COUNCIL MEMBERS
KAYLEIGH REID, President
PATRICK BROCKWAY, Vice President
CARRIE BUDZINSKI
BRANDON MCCULLOUGH
EILEEN MCDONNELL
ROBIN PERSICONI
MARTHA PTASHNIK

33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2250
citycouncil@livonia.gov

OFFICE OF THE COUNCIL

MEETING PACKET FOR THE REGULAR MEETING OF MONDAY, JUNE 1, 2026

7:00 P.M.

The electronic agenda is compiled, produced and distributed by the City Council Staff.
(734) 466-2250

The official documents are on file in the City Clerk's office.

2042nd Regular Meeting Agenda of the Council of the City of Livonia
Monday, June 1, 2026

7:00 p.m. - City Hall Auditorium
33000 Civic Center Drive, Livonia, Michigan
View meeting packet here: https://livoniami.portal.civicclerk.com/

CALL TO ORDER

INVOCATION/PLEDGE OF ALLEGIANCE

ROLL CALL

PRESENTATION OF MINUTES Regular Meeting Minutes of May 18, 2026

AUDIENCE COMMUNICATION

REPORTS FROM THE MAYOR AND OTHER CITY OFFICIALS

CONSENT AGENDA

External Requests

1. BLOCK PARTY: Nicholas Scott, to be held Saturday, July 4, 2026, from 11:00 a.m. to 10:00 p.m., on Ohio Street, between California Boulevard and Colorado Street, with a rain date of Sunday, July 5, 2026. (Approving)

2. BLOCK PARTY: Brittany Matties, to be held Saturday, July 25, 2026, from 3:00 p.m. to 10:00 p.m., on Ladywood Street between Sussex and Williams Streets, with a rain date of Sunday, July 26, 2026. (Approving)

3. BLOCK PARTY: Carol Dobos, to be held Saturday, August 22, 2026, from 5:00 p.m. to 10:00 p.m., on Cranston Street between Scone and Perth Streets, with a rain date of Sunday, August 23, 2026. (Approving)

Planning Commission

4. VACATING PETITION 2026-03-03-01: submitted by Seven Mile/Farmington Venture LP, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the Southeast ¼ of Section 4. (Approving)

Office of the Mayor

5. REAPPOINTMENT OF SAM CARAMAGNO TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029. (Approving)

6. REAPPOINTMENT OF PETER VENTURA TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029. (Approving)

7. REAPPOINTMENT OF GLEN LONG TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029. (Approving)

Department of Fire and Rescue

8. REQUEST TO EXTEND CONTRACT WITH BOUND TREE MEDICAL: for emergency medical supplies and equipment, not to exceed $130,000.00 annually, from budgeted funds.(Approving)

Division of Police

9. REQUEST TO WAIVE THE SEALED BID PROCESS AND AUTHORIZE THE PURCHASE OF SEVEN (7) MARKED AND FIVE (5) UNMARKED POLICE VEHICLES UTILIZING THE STATE OF MICHIGAN COOPERATIVE BID PRICING: as part of the annual vehicle replacement program, from budgeted funds. (Approving)

10. REQUEST TO AUTHORIZE A PARTICIPATION AGREEMENT AND CONTINUE MEMBERSHIP WITH COURTS AND LAW ENFORCEMENT MANAGEMENT SYSTEM (CLEMIS) AUTHORITY: for the continuity of existing services under the new governance structure. (Approving)

Department of Information Systems

11. REQUEST TO RENEW SOFTWARE MAINTENANCE AGREEMENT WITH SOLE SOURCE PROVIDER: with ESRI, Inc., for the City's Geographic Information System (GIS) for a period of one year, from budgeted funds. (Approving)

Department of Parks and Recreation

12. REQUEST TO APPROVE CONTRACT FOR CARETAKING SERVICES IN THE HISTORICAL VILLAGE AT GREENMEAD: with independent contractor, Jeffrey Ronayne, for the period December 1, 2026, through November 30, 2028, with an option to renew for two (2) additional two-year terms. (Approving)

Department of Public Works

13. ACCEPTANCE OF DONATION: from Michiganense Natives to be used for the purpose as designated by the donor. (Approving)

14. ACCEPTANCE OF DONATION: from the Michigan Recycling Coalition, to educate and provide outreach to Livonia residents on the City's recycling program. (Approving)

15. AWARD OF BID: Ford Field Backstop and Dugout Bench Replacements for Diamond #7, from budgeted funds. (Approving)

16. REQUEST FOR AUTHORIZATION TO WAIVE THE SEALED BID PROCESS AND PURCHASE FROM SOLE SOURCE PROVIDER: for the purchase of stormwater, water main and sanitary manhole-related items in an amount not to exceed $200,000.00 annually, for the period of July 1, 2026, to June 30, 2027, from budgeted funds. (Approving)

UNFINISHED BUSINESS

External Requests

17. REQUEST TO AMEND COUNCIL RESOLUTION 402-25: Brandon Grysko on behalf of Mannik & Smith Group and Six Mile, LLC, in connection with Petition 2025-07-02-15, removing a condition from the land-use approval requiring access to Fox Drive.

Department of Public Works

18. REQUEST FOR AUTHORIZATION TO PURCHASE ROCK SALT FOR ICE CONTROL: utilizing a cooperative bidding process, for the 2026-2027 and 2027-2028 seasons, with four additional one-year extensions at the approved five percent (5%) per year increase, from budgeted funds.

Department of Law

19. PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 040 of Title 13, Chapter 08 (Water Services Rates and Revenues) to provide for changes in the water service consumption rates to become effective with the first billing on or after July 1, 2026.

20. PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 050 of Title 13, Chapter 08 (Water Service Rates and Revenues) to provide changes in the water service consumption rates to become effective with the first billing on or after July 1, 2026.

21. PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 050 of Title 13, Chapter 28 (Industrial Waste Surcharge) to provide for changes in the industrial waste surcharge rate to become effective with the first billing on or after July 1, 2026.

22. PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 120 of Title 13, Chapter 20 (Livonia Sewage Disposal System) to provide for changes to the sewer disposal and maintenance rates to become effective with the first billing on or after July 1, 2026.

23. PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: Section 130 of Title 13, Chapter 20 (Livonia Sewage Disposal System) to provide for changes to the special rates for designated uses to become effective with the first billing on or after July 1, 2026.

NEW BUSINESS

External Requests

24. REQUEST TO BARRICADE CITY STREET: Ken Douglass, Road Knights Auto Club, on Sunday, June 14, 2026, from 2:30 p.m. to 3:00 p.m. on West Chicago from Middlebelt Road to Oxbow Street.

Department of Law

25. ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Laurel Investment, LLC, for a water main easement in connection with the water main constructed with the development at this location, in the Southeast ¼ of Section 7. (Tax I.D. No. 46-028-99-0006-008).

26. ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Laurel Investment, LLC, for a sanitary sewer easement in connection with the sanitary sewer constructed with the development at this location, in the Southeast ¼ of Section 7. (Tax I.D. No. 46-028-99-0006-008).

27. ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Livonia Public Schools, for a water main easement in connection with the water main constructed with the Livonia Public Schools Career Technical Center (CTC) at this location, in the Southeast ¼ of Section 31. (Tax I.D. No. 46-124-99-0014-001).

28. ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Livonia Public Schools, for a water main easement in connection with the water main constructed with the Livonia Public Schools Career Technical Center (CTC) at this location, in the Southeast ¼ of Section 31. (Tax I.D. No. 46-124-99-0015-003).

29. REQUEST TO AUTHORIZE RETAINING COUNSEL: to submit a claim to recover from PFAS Class Action Settlement.

AUDIENCE COMMUNICATION

NOTICE(S)

In accordance with Title II of the American with Disabilities Act as it pertains to access to Public Meetings, the City Clerk's Office of the City of Livonia, upon adequate notice, will make reasonable accommodations for persons with disabilities. Please call (734) 466-2236 or email clerk@livonia.gov as soon as possible if you need assistance. Council agendas are available on the City's website www.livonia.gov - under Your Government, City Council, Agendas & Minutes.

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

1. BLOCK PARTY: Nicholas Scott, to be held Saturday, July 4, 2026, from 11:00 a.m. to 10:00 p.m., on Ohio Street, between California Boulevard and Colorado Street, with a rain date of Sunday, July 5, 2026.

   Nicholas Scott, Ohio Street, stated it is the fifteenth year doing the block party, and as the number of children has grown it has become necessary to shut down the street.

   Motion was made by Councilmember Ptashnik to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

Council Office
May 4, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	

AGENDA ITEM

BLOCK PARTY: Nicholas Scott, to be held Saturday, July 4, 2026, from 11:00 a.m. to 10:00 p.m., on Ohio Street, between California Boulevard and Colorado Street, with a rain date of Sunday, July 5, 2026.

BACKGROUND DETAILS

A block party request from Nicholas Scott, to be held Saturday, July 4, 2026, from 11:00 a.m. to 10:00 p.m., on Ohio Street, between California Boulevard and Colorado Street, with a raindate of Sunday, July 5, 2026.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

To approve the request as submitted.

ATTACHMENTS

1. S051826 Block Party Nicholas Scott

APPROVED BY

REQUEST FOR NOISE WAIVER BLOCK PARTY and/or BARRICADING OF CITY STREETS

Send to: Livonia City Council, c/o City Clerk, 33000 Civic Center Drive, Livonia, MI 48154-3097
or hand deliver to the City Clerk's Office **at least 8 weeks prior to the planned event**

PLEASE PRINT

Date of Application: 5-4-26 Date to appear at a Council Meeting: _____

Name of Neighborhood Representative: Nicholas Scott

Address (please include zip code): 32622 Ohio St

Telephone Number with area code: Home: 734-377-9220 Office: _____

Email: nicholasscott0221@gmail.com

Please circle what is being requested – **"BLOCK PARTY"** and/or **"STREET BARRICADING"**

7-4-26	7-5-26	11:00am - 10:00pm
Date of Block Party and/or Barricading	Rain Date	Start/end time of Block Party and/or Barricading **End time is no later than 10:00 p.m.**

Location of Block Party and/or Barricading: (Be specific. Indicate which streets and between which boundaries).

On Ohio St. Between Colorado and California

Type of Event: Briefly (Describe activities planned. Music, barbecue, games, etc.) 4th of July party. Waterslides, water balloons, fireworks dunk tank, Music, barbeque.

How many barricades are you requesting (max. 10)? 4

Approximate Number Attending: 150

Date of Council Approval/Denial: _____

Council Resolution Number: _____

RECEIVED
2026 MAY -4 AM 10:03
OFFICE OF THE CITY CLERK

City Council Office Document
Revised August 2021
A:Block Party Form

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

2. BLOCK PARTY: Brittany Matties, to be held Saturday, July 25, 2026, from 3:00 p.m. to 10:00p.m., on Ladywood Street between Sussex and Williams Streets, with a rain date of Sunday, July 26, 2026.

   Brittany Matties, Ladywood Street, requested block party approval as it would be nice for the children to be able to play safely during their event.

   Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

2.

Council Office
April 28, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	

AGENDA ITEM

BLOCK PARTY: Brittany Matties, to be held Saturday, July 25, 2026, from 3:00 p.m. to 10:00 p.m., on Ladywood Street between Sussex and Williams Streets, with a rain date of Sunday, July 26, 2026.

BACKGROUND DETAILS

A block party request from Brittany Matties, to be held Saturday, July 25, 2026, from 3:00 p.m. to 10:00 p.m., on Ladywood Street between Sussex and Williams Streets, with a rain date of Sunday, July 26, 2026.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

To approve the request as submitted.

ATTACHMENTS

1. S051826 LTC Block Party Brittany Matties
2. S051826 Block Party Brittany Matties

APPROVED BY

REQUEST FOR NOISE WAIVER BLOCK PARTY and/or BARRICADING OF CITY STREETS

Send to: Livonia City Council, c/o City Clerk, 33000 Civic Center Drive, Livonia, MI 48154-3097
or hand deliver to the City Clerk's Office **at least 8 weeks prior to the planned event**

PLEASE PRINT

S051826

Date of Application: 4/27/2026 Date to appear at a Council Meeting: ~~Mon. May 4 2026~~

Name of Neighborhood Representative: Brittany Matties

Address (please include zip code): 36927 Ladywood St.

Telephone Number with area code: Home: 313.258.3197 Office: x

Email: bdupree1628@gmail.com

Please circle what is being requested – **"BLOCK PARTY"** and/or **"STREET BARRICADING"**

Sat July 25th	Sun July 26	3pm - 10pm
Date of Block Party and/or Barricading	Rain Date	Start/end time of Block Party and/or Barricading **End time is no later than 10:00 p.m.**

Location of Block Party and/or Barricading: (Be specific. Indicate which streets and between which boundaries).
37039 Ladywood to 36971 Ladywood see map →
(south side of street) (we are flexible if its too large)
* will need 3 ~~block~~s barricades.

Type of Event: Briefly (Describe activities planned. Music, barbecue, games, etc.) music, bba, games, Kids activities - balloons, sprinklers, etc.
"Luau on Ladywood"

How many barricades are you requesting (max. 10)? 3 (if one fits per street)

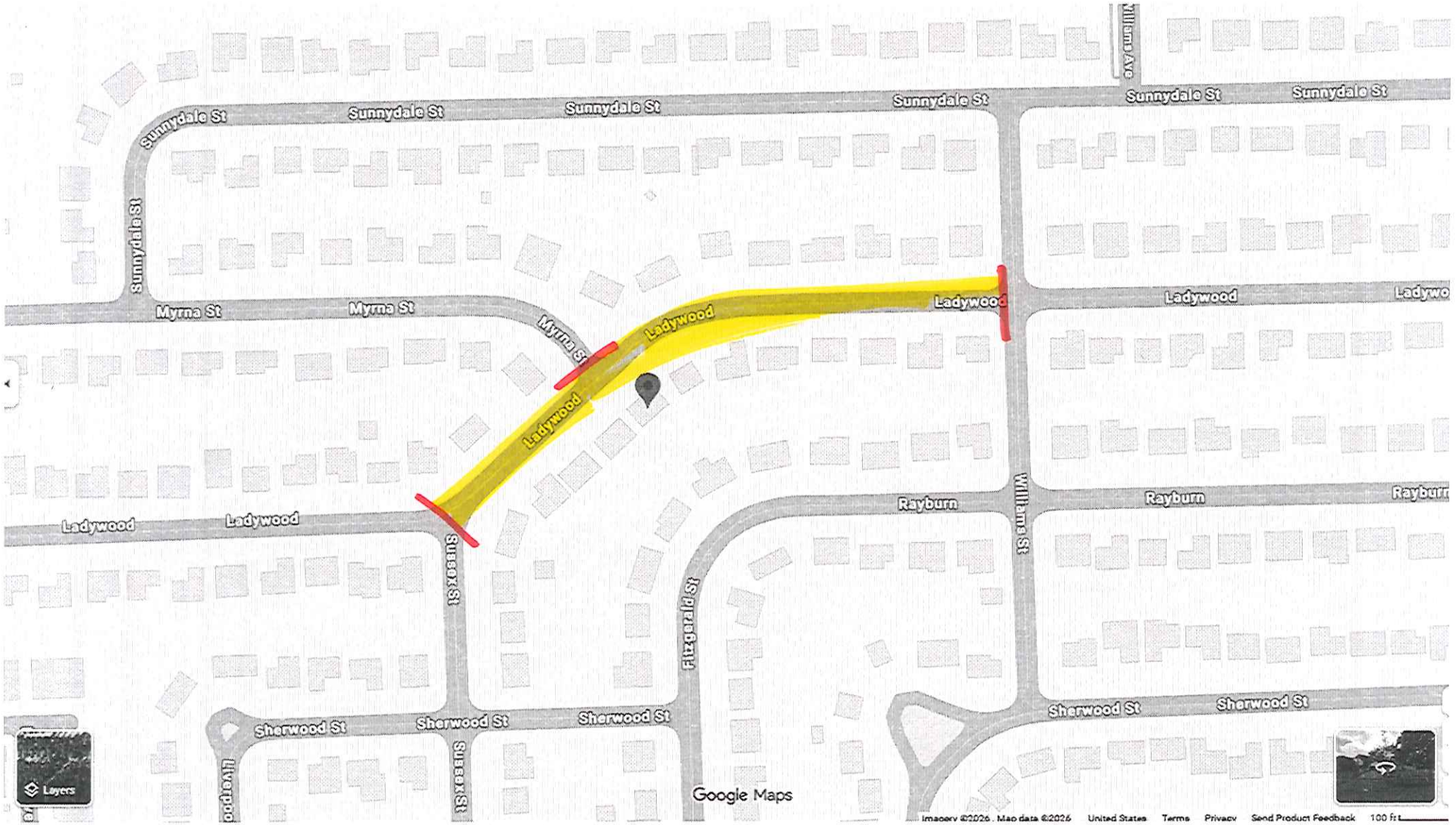
Approximate Number Attending: 80-100

Date of Council Approval/Denial: Mon May 4th 2026

Council Resolution Number:

2026 APR 27 PM 4:01
RECEIVED
CITY CLERK'S OFFICE

City Council Office Document
Revised August 2021
A:Block Party Form


Sunnydale St
Sunnydale St
Sunnydale St
Sunnydale St
Sunnydale St
Sunnydale St
Myrna St
Myrna St
Myrna St
Ladywood
Ladywood
Ladywood
Ladywood
Ladywood
Ladywood
Rayburn
Rayburn
Rayburn
Williams St
Sussex St
Fitzgerald St
Sherwood St
Sherwood St
Sherwood St
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Google Maps
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CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

3. BLOCK PARTY: Carol Dobos, to be held Saturday, August 22, 2026, from 5:00 p.m. to 10:00 p.m., on Cranston Street between Scone and Perth Streets, with a rain date of Sunday, August 23, 2026.

   Otto Dobos, Cranston Street, stated it is the third year of the block party and requested approval.

   Motion was made by Councilmember Ptashnik to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

3.

Council Office
April 28, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	

AGENDA ITEM

BLOCK PARTY: Carol Dobos, to be held Saturday, August 22, 2026, from 5:00 p.m. to 10:00 p.m., on Cranston Street between Scone and Perth Streets, with a rain date of Sunday, August 23, 2026.

BACKGROUND DETAILS

A block party request from Carol Dobos, to be held Saturday, August 22, 2026, from 5:00 p.m. to 10:00 p.m., on Cranston Street between Scone and Perth Streets, with a rain date of Sunday, August 23, 2026.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

To approve the request as submitted.

ATTACHMENTS

1. S051826 LTC Block Party Carol Dobos
2. S051826 Block Party Carol Dobos

APPROVED BY

REQUEST FOR NOISE WAIVER BLOCK PARTY and/or BARRICADING OF CITY STREETS

Send to: Livonia City Council, c/o City Clerk, 33000 Civic Center Drive, Livonia, MI 48154-3097
or hand deliver to the City Clerk's Office **at least 8 weeks prior to the planned event**

PLEASE PRINT

Date of Application: 4-21-26 Date to appear at a Council Meeting: S051826

Name of Neighborhood Representative: Carol Dobas

Address (please include zip code): 13980 Cranston Livonia 48154

Telephone Number with area code: Home: 734-776-4973 Office: _____

Email: carol.dabas@gmail.com

Please circle what is being requested – **"BLOCK PARTY"** and/or **"STREET BARRICADING"**

August 22, 2026	August 23, 2026	5:00 pm - 10:00 pm
Date of Block Party and/or Barricading	Rain Date	Start/end time of Block Party and/or Barricading **End time is no later than 10:00 p.m.**

Location of Block Party and/or Barricading: (Be specific. Indicate which streets and between which boundaries).
Cranston Street between Scone and Perth

Type of Event: Briefly (Describe activities planned. Music, barbecue, games, etc.) Potluck, children's games, street play, (bikes etc) Social in driveway, food in my garage

How many barricades are you requesting (max. 10)? Enough for 2 ends of 1 street

Approximate Number Attending: 30

Date of Council Approval/Denial: _____

Council Resolution Number: _____

2026 APR 21 PM 12:20
OFFICE OF THE CITY CLERK
RECEIVED

City Council Office Document
Revised August 2021
A:Block Party Form

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

5. VACATING PETITION 2026-03-03-01: submitted by Seven Mile/Farmington Venture LP, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the Southeast ¼ of Section 4.

   Mark Taormina, Planning and Economic Development Director, stated the water lines have all been removed, the easements that still exist are an encumbrance on the property and need to be removed, and the scenic easement no longer functions as originally intended.

   Motion was made by Vice President Brockway to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

5.

Planning
May 6, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Mark Taormina, Planning and Economic Development Director

AGENDA ITEM

VACATING PETITION 2026-03-03-01: submitted by Seven Mile/Farmington Venture LP, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the Southeast ¼ of Section 4.

BACKGROUND DETAILS

May7, 2026

Honorable Members of the City Council
City of Livonia, Michigan

Re: Petition 2026-03-03-01– Schostak

Dear Council Members:

At the 1,245th Meeting held by the Livonia City Planning Commission on May 5, 2026, the following resolution was adopted:

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

#05-32-2026 RESOLVED, That pursuant to a Public Hearing having been held by the City Planning Commission on May 5, 2026, Petition 2026-03-03-01 submitted by Schostak Brothers & Company Inc., pursuant to Section 12.03 of the Livonia Code of Ordinances, as amended, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the southeast ¼ of Section 4, the Planning Commission does hereby recommend to the City Council that Petition 2026-03-03-01, be approved for the following reasons:

1. The water main infrastructure associated with the easement is no longer in use or has been relocated as part of the site's redevelopment;

2. The scenic easement is no longer necessary given the updated site layout and improvements; and

3. No reporting City department or public utility has objected to the proposed vacating.

FURTHER RESOLVED, That notice of the above hearing was given in accordance with the provisions of Section 13.13 of the Livonia Zoning Ordinance, as amended.

ATTACHMENTS

1. 2026-03-03-01_Notice of PH
2. 2026-03-03-01_E-COUNCIL Pkt

APPROVED BY

Date: May 07, 2026

Mark Taormina, Planning and Economic Development Director

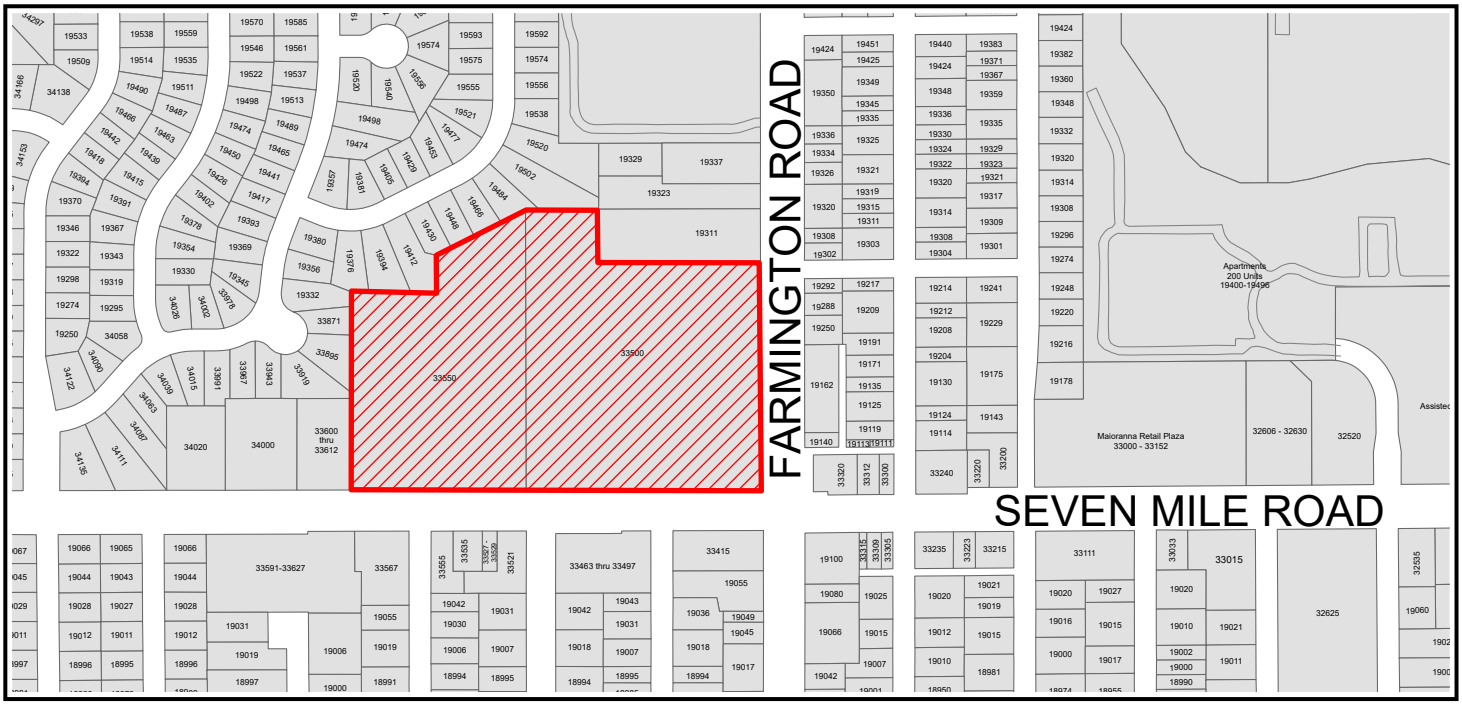
Date: May 08, 2026

Maureen Miller Brosnan, Mayor

CITY OF LIVONIA PLANNING COMMISSION

A PUBLIC HEARING WILL TAKE PLACE BEFORE THE CITY PLANNING COMMISSION OF THE CITY OF LIVONIA ON TUESDAY MAY 5, 2026 AT THE LIVONIA CITY HALL, 33000 CIVIC CENTER DRIVE, LIVONIA, MICHIGAN AT 7:00 P.M., OR AS SOON THEREAFTER AS THE AGENDA WILL PERMIT ON THE FOLLOWING ITEMS:

Petition 2026-03-03-01 submitted by Seven Mile/Farmington Venture LP, pursuant to Chapter 12.08.030 of the Livonia Code of Ordinances, and Section 2.3 of the Development Agreement between the City of Livonia and Seven Mile/Farmington Venture LP, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the Southeast ¼ of Section 4.



YOU ARE ENCOURAGED TO ATTEND THE PUBLIC HEARING AND PRESENT YOUR VIEWS ON THIS MATTER TO THE CITY PLANNING COMMISSION. IN LIEU OF ATTENDING THE MEETING, YOU MAY PRESENT YOUR VIEWS IN WRITING ADDRESSED TO: CITY OF LIVONIA PLANNING COMMISSION, 33000 CIVIC CENTER DRIVE, LIVONIA, MI 48154, OR BY EMAIL TO: PLANNING@LIVONIA.GOV

In accordance with Title II of the American with Disabilities Act as it pertains to access to Public Meetings, the Planning Department of the City of Livonia, upon adequate notice, will make reasonable accommodations for persons with special needs. Please call 734-466-2290 if you need assistance.

schostak
BROTHERS & COMPANY
est. 1920

17800 Laurel Park Drive North, Suite 200C
Livonia, MI 48152
248.262.1000
www.schostak.com

DAVID H. JOHNS
Vice President
Development and Construction Division

direct: 248.357.6152
johns@schostak.com

March 26, 2026

Via Hand Delivery

City Council via City Clerk
City of Livonia
33000 Civic Center Drive
City Hall, 1st Floor
Livonia, MI 48154

CITY OF LIVONIA
PLANNING DEPARTMENT
MAR 26 2026
RECEIVED

RE: Easement Vacations
7 Mile Planned General Development
33500 Seven Mile Road
Livonia, MI

Dear City Council:

Pursuant to Section 2.3 of the Development Agreement between the City of Livonia and Seven Mile/Farmington Venture LP, attached are following items needed for the vacation of the existing easements regarding the 7 Mile Planned General Development:

- One (1) copy of ALTA / NSPS Land Title Survey (prior to redevelopment of site)
- One (1) copy of Exception 13 for the existing Water Main Easement, Liber 17973, page 705
- One (1) copy of Exception 17 for the existing Scenic Easement, Liber 26193, page 866
- One (1) Check No. 002591 in the amount of $650 for the processing fee

We are requesting that the city vacate the existing water main and scenic easements as they are no longer needed as part of the redevelopment of this site. Please feel free to forward these items to the Law Department and Engineering Division as needed in order to place us on upcoming Planning Commission and City Council meeting agendas.

Please feel free to contact me if you have any questions or if you should need additional information. Thank you.

Sincerely,

SEVEN MILE/FARMINGTON VENTURE LP
By: Schostak Brothers & Company, Inc.
Its: Managing Agent

By: David H. Johns, VP Development & Construction
Its: Authorized Representative

DHJ/amg

Encls.

ec: Erik Fix

MINUTES OF THE 1,245th PUBLIC HEARINGS AND REGULAR MEETING HELD BY THE CITY PLANNING COMMISSION OF THE CITY OF LIVONIA

On Tuesday, May 5, 2026, the City Planning Commission of the City of Livonia held its 1,245th Public Hearing and Regular Meetings in the Livonia City Hall, 33000 Civic Center Drive, Livonia, Michigan.

Mr. Ian Wilshaw, Chairman, called the meeting to order at 7 p.m.

Members present:	Wafa Dinaro	David Bongero	Glen Long
	Peter Ventura	Sam Caramagno	Ian Wilshaw

Members absent: Patrick Droze

Mr. Jacob Uhazie, Assistant Planning Director, and Stephanie Reece, Program Supervisor, were also present.

Chairman Wilshaw informed the audience that if a petition on tonight's agenda involves a rezoning request, this Commission makes a recommendation to the City Council who, in turn, will hold its own public hearing and make the final determination as to whether a petition is approved or denied. The Planning Commission holds the only public hearing on a request for preliminary plat and/or vacating petition. The Commission's recommendation is forwarded to the City Council for the final determination as to whether a plat is accepted or rejected. If a petition requesting a waiver of use or site plan approval is denied tonight, the petitioner has ten days in which to appeal the decision, in writing, to the City Council. Resolutions adopted by the City Planning Commission become effective seven (7) days after the date of adoption. The Planning Commission and the professional staff have reviewed each of these petitions upon their filing. The staff has furnished the Commission with both approving and denying resolutions, which the Commission may, or may not, use depending on the outcome of the proceedings tonight.

ITEM #3 PETITION 2026-03-03-01 Schostak Brothers

Mr. Caramagno, Secretary, announced the first item on the agenda Petition 2026-03-03-01 submitted by Schostak Brothers & Company Inc., pursuant to Section 12.03 of the Livonia Code of Ordinances, as amended, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the southeast ¼ of Section 4.

Mr. Uhazie: Thank you. This is a request to vacate the existing main, water main and scenic easements. The location, as mentioned, is on

the northwest corner of Seven and Farmington, the future site of the Meijer and multifamily development. The property is currently zoned C-2. There is a 20-foot-wide water main easement that is C shaped along the perimeter of the property, and then the scenic easement is located in the southeast corner of the site. The petitioner has stated that they no longer have a need for the infrastructure and it has been relocated to other parts of the redevelopment. The Engineering Department has supported the vacating request. Approval of this petition will help avoid future title issues for the owners and anyone with interest in this subject property. With that, Mr. Chairman, I can read out the departmental correspondence.

Mr. Wilshaw: Yes, please.

Mr. Uhazie: The first item is from the Engineering Division, dated March 31, 2026, which reads as follows: *"In accordance with your request, the Engineering Division has reviewed the above referenced petition. We have no objections to the proposed easement vacations but would like to note the following items: 1. The subject parcel is assigned to the address of #33500 Seven Mile Road. 2. The developer has been in contact with this department and will be providing replacement easements over the public utilities installed during the proposed project, once the final locations are known."* The letter is signed by David W. Lear, P.E., Assistant City Engineer. The next letter is from the Finance Department, dated April 15, 2026, which reads as follows: "*I have reviewed the addresses connected with the above noted petition. As there are no outstanding amounts receivable, general or water and sewer, I have no objections to the proposal."* The letter is signed by Ermon Sims, Chief Accountant. The next letter is from the Treasurer's Department, dated March 30, 2026, which reads as follows: "*The owner of the property is current on the property taxes*" The letter is signed by Susie Nash, Treasurer. That is the extent of the correspondence.

Mr. Wilshaw: Alright, thank you, Mr. Uhazie. Any questions for staff as there is no one here representing the petitioner for this.

Mr. Uhazie: We told them that they didn't have to. It's not necessary.

Mr. Wilshaw: Okay, very good. There's no questions from my colleagues. Is there anyone in the audience wishing to speak on this item. No one in the…go ahead. Feel free to come forward. Good evening, sir.

Charles Johnson, 32930 Stamford, Livonia, MI. The property backs up against the property in question and to the easement. We've actually…our family has been associated with the property since 1989, quite a long time. We're really excited about the project. I mean, it seems like Shostak is just doing a great job. They've taken great care to ensure that the owners are not in a bad position as it relates to the supermarket. My only reason for stepping to the podium is just to make sure that I understand. So, one of the things that Shostak said, when they sold the property was that, in order to protect the property owners rights, that about this, you know, development, that they would add a couple of feet to the wall, and that they would build it like a berm along the wall, and that they would put plantings up there. Is any of that affected in any way by this release of the easements?

Mr. Wilshaw: And you're referring to the westerly and the sort of north and west sides of the property where it abuts the residential?

Mr. Johnson: Yes, right there, where your pointer is. That would be my property, but they…so the answer to your question is yes, that's what I'm referring to.

Mr. Wilshaw: Okay. Very good. Thank you, sir, Mr. Uhazie, do you want to address that question in terms of where these easements are located and if that would be affected?

Mr. Uhazie: Yes. So these easements are located closer to the roads. Vacating this would not change any of the site plans. They would be held to their approved development agreement. So all that will be unchanged. This is basically just so that…it kind of cleans up the entitlements for the property in the future that the easements will…when they redo the easements, the easements will actually line up with the existing infrastructure, because right now it would not. They would no longer match up. So, anything that was part of the development plan, as far as the landscaping, fences and all that stuff, building design, would all remain the same as what was approved originally.

Mr. Johnson: So, I took a peek over the back wall, and I looked to see where, you know, the fire hydrants, or you know the water access were, and there are…there is water access along that back wall there. Are they pulling those water mains out? And if they are pulling them out is it because they're putting new ones in in another more convenient place?

Mr. Uhazie: Well, the vacating that we're discussing here is closer to Seven Mile but yes, they would be, I would imagine that they are

relocating to where the plan did clearly state where all the water mains would be and the fire department did review those. So they will be following the approved plan that was originally submitted.

Mr. Johnson: I don't think this affects the neighbors in any way then, thank you.

Mr. Wilshaw: Thank you, Mr. Johnson, for coming. Anyone else wishing to speak on this item? If not, I will close the public hearing if there's no other comments from my colleagues and a motion is in order.

On a motion by Ventura, seconded by Bongero, and unanimously adopted, it was

#05-32-2026 **RESOLVED**, That pursuant to a Public Hearing having been held by the City Planning Commission on May 5, 2026, Petition 2026-03-03-01 submitted by Schostak Brothers & Company Inc., pursuant to Section 12.03 of the Livonia Code of Ordinances, as amended, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the southeast ¼ of Section 4, the Planning Commission does hereby recommend to the City Council that Petition 2026-03-03-01, be approved for the following reasons:

1. The water main infrastructure associated with the easement is no longer in use or has been relocated as part of the site's redevelopment;

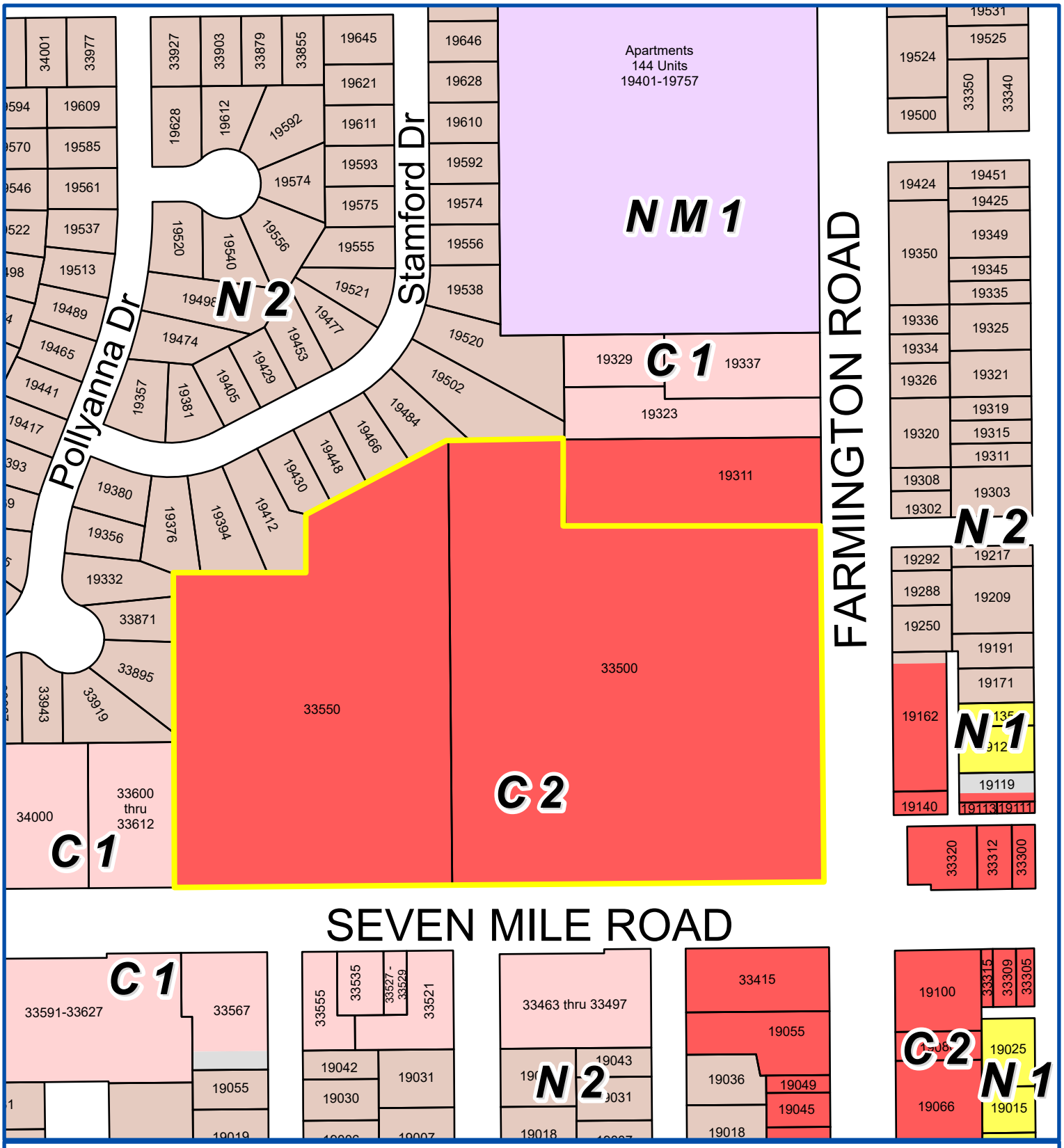
2. The scenic easement is no longer necessary given the updated site layout and improvements; and

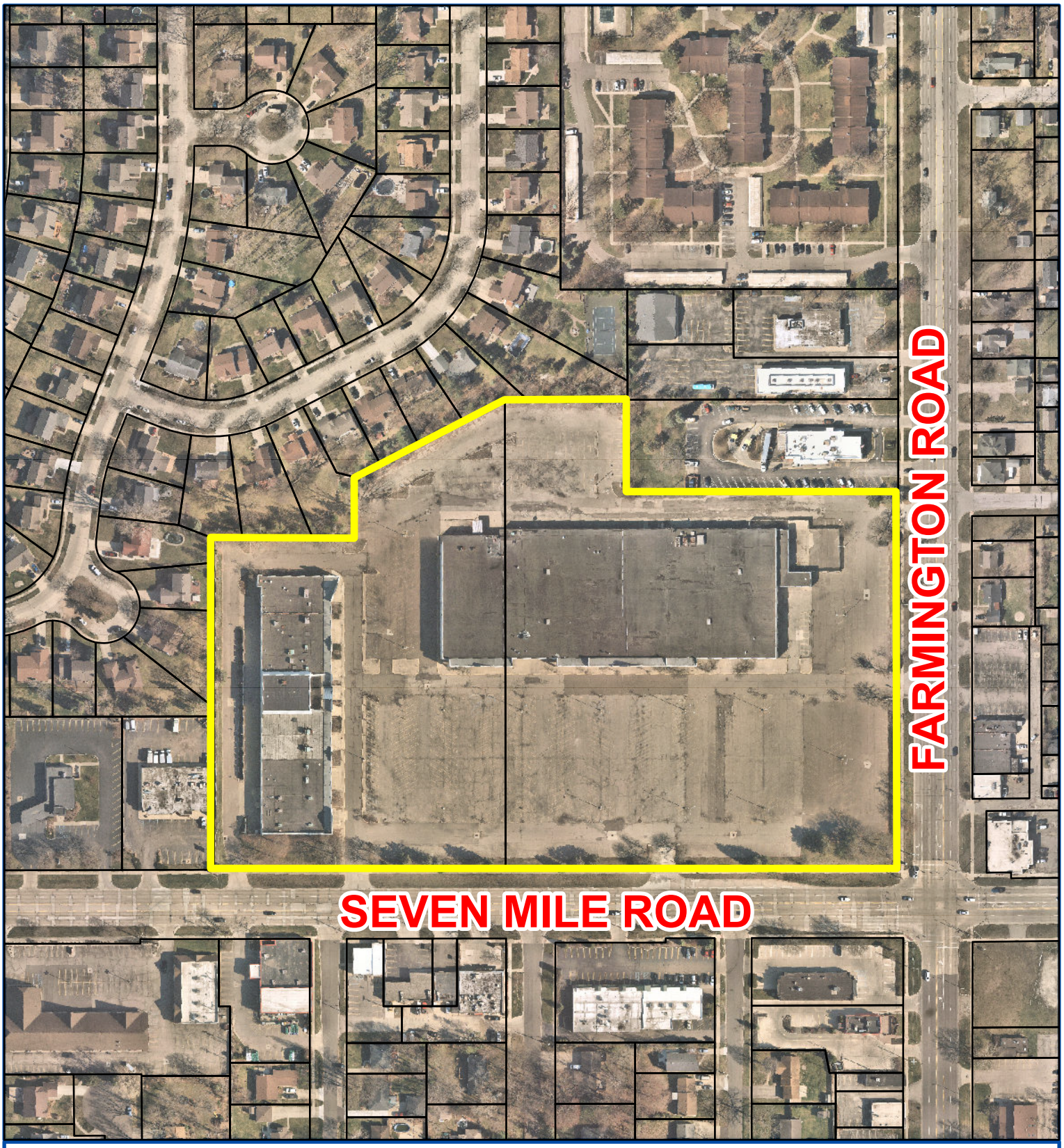
3. No reporting City department or public utility has objected to the proposed vacating.

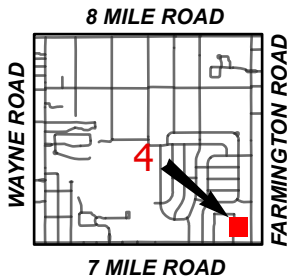
***FURTHER RESOLVED*,** That notice of the above hearing was given in accordance with the provisions of Section 13.13 of the Livonia Zoning Ordinance, as amended.

Mr. Wilshaw: Is there any discussion?

Mr. Wilshaw, Chairman, declared the motion is carried and the foregoing resolution adopted. It will go on to City Council with an approving resolution.


Apartments
144 Units
19401-19757
NM1
N2
C1
C2
N1
Pollyanna Dr
Stamford Dr
FARMINGTON ROAD
SEVEN MILE ROAD
19329
19337
19323
19311
33500
33550
34000
33600
thru
33612
33591-33627
33567
33463 thru 33497
33415
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33591-33627





Aerial Map

Petition 2026-03-03-01
Schostak
33500 W. Seven Mile Rd.

N

Not to Scale

City of Livonia
Planning Department

PLANNING COMMISSION STAFF NOTES

PUBLIC HEARING

ITEM 2

Petition 2026-03-03-01 submitted by Schostak Brothers & Company Inc., pursuant to Section 12.03 of the Livonia Code of Ordinances, as amended, to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road, located on the northwest corner of Farmington Road and Seven Mile Road in the southeast ¼ of Section 4.

April 28, 2026: Study Meeting:

The petitioner is requesting approval to vacate an existing twenty-foot (20') wide water main easement and a scenic easement located on the property at 33500 Seven Mile Road, situated at the northwest corner of Farmington Road and Seven Mile Road. The subject site has recently been redeveloped with a new Meijer grocery store, and the petitioner indicates that the existing easements are no longer necessary to support current or future utility or site operations. The water main easement is configured in a "C-shape" along the perimeter of the property, while the scenic easement is located in the southeast corner of the site.

Pursuant to the City of Livonia's review standards and general planning practices, easements may be considered for vacation when they are determined to be no longer required for public utilities, drainage, access, or other municipal purposes. In this case, the petitioner has indicated that the water main infrastructure associated with the easement is no longer in use or has been relocated as part of the site's redevelopment. Similarly, the scenic easement is no longer necessary given the updated site layout and improvements. Any action to vacate these easements would be contingent upon verification from the City's Engineering Division and other applicable departments that no existing or future public need will be compromised.

Should the easements be vacated, the land area would revert to the control of the property owner and may be incorporated into the overall site without restriction. The proposed vacation appears consistent with the intent of the Livonia Zoning Ordinance to allow reasonable use of property while ensuring that adequate infrastructure and public interests are maintained. Final approval would require confirmation that all utilities have been properly addressed and that no adverse impacts will result from the removal of these easements.

City ordinance requires that vacating petitions first have a public hearing by the Planning Commission, with a report and recommendation submitted to the City Council. Notice of this petition to vacate the easement has been provided to all known utility and communications companies.

May 5, 2026: Public Hearing:

Approving Resolution: The request to determine whether or not to vacate the existing water main and scenic easements at 33500 Seven Mile Road is hereby approved subject to the following conditions and for the reasons stated below:

1. The water main infrastructure associated with the easement is no longer in use or has been relocated as part of the site's redevelopment;

2. The scenic easement is no longer necessary given the updated site layout and improvements; and

3. No reporting City department or public utility has objected to the proposed vacating.

REC. 1 FEB 3 1972 11 3 58 A.M.
BERNARD J. YOUNGBLOOD, Register of Deeds
WAYNE COUNTY, MICHIGAN 48226

F678509

L 17973 PA 705

GRANT OF EASEMENT

THIS INDENTURE, made this 26th day of October, 19 71, between Jerome L. Schostak and Nat Korash, both married men, / Arlene Schostak and Betty Korash whose street number and post office address is 21311 Civic Center Drive, Southfield, Michigan, parties of the first part, and the CITY OF LIVONIA, a Michigan Municipal Corporation, party of the second part, whose street number and post office address is 33001 Five Mile Road, Livonia, Michigan, 48154.

WITNESSETH:

That the said party of the first part, for and in consideration of the sum of One Dollar ($1.00) and other valuable consideration to them in hand paid by the said party of the second part, the receipt of which is hereby confessed and acknowledged, do by these presents grant unto the said party of the second part, its successors and assigns an easement for public purposes and use, in, unto and upon that certain piece of land situated in the City of Livonia, County of Wayne and State of Michigan, described as follows:

Twenty (20) foot wide easements, the center lines of said easements being more particularly described as
Beginning at a point on the west line of Farmington Road (120' wide) distant North 660 feet along the center line of Farmington Road and West 60 feet from the S. E. corner of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan; thence West 784.20 feet, thence South 600 feet to the North line of Seven Mile Road (120' wide) and the point of ending

and

Beginning at a point distant 511 feet west and 660 feet north of the S. E. corner of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan, thence North 15 feet to the point of ending

and

Beginning at a point distant 884.20 feet West and 590 feet North from the S. E. corner of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan, Thence West 278 feet to the point of ending

and

Beginning at a point distant 152 feet West and 660 feet North of the S. E. corner of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan, thence South 322 feet to the point of ending

and

Beginning at a point distant 844.20 feet West and 350 feet North of the S. E. corner of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan, thence West 33 feet to the point of ending.

(Water Main Easements)

F678509

LEGAL DESCRIPTION APPROVED 10-28-71

including the right of access in the party of the second part to go over and upon that part of said piece of land of the parties of the first part, for public purposes and use, of the party of the second part providing that the granting of the above easement does not vest in the party of the second part authority to use any portion of said property for any purpose other than herein designated; provided also, that this easement shall continue only for such period of time as the said party of the second part, its successors and assigns, shall maintain same for public purposes and use.

IT IS UNDERSTOOD AND AGREED, as a part of the consideration for the granting of the above easement, that the party of the second part will use every effort possible to leave the premises in as good condition as at present.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and seals the day and year first above written.

In the Presence of:

Ruth Ross

Alice Dunning

768366

Arlene Schostak

Jerome L. Schostak

Nat Korash

Betty Jane Korash

RECEIVED
CITY OF LIVONIA
PLANNING DEPARTMENT
MAR 26 2026

STATE OF MICHIGAN)
) SS
COUNTY OF WAYNE)

On this 26th day of October, 19 71, before me personally appeared Jerome L. Schostak and Nat Korash, Arlene Schostak and Betty Korash to me known to be the person described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

Alice Dunning
Notary Public, Wayne County, Michigan

My Commission expires: June 15, 1974

(corporate form)

STATE OF MICHIGAN)
) SS
COUNTY OF WAYNE)

On this _____ day of _____, 19___, before me personally appeared _____ to me personally known, who being by me sworn, did each for himself say that they are respectively the _____ and _____ of the corporation named in and which executed the within instrument, and that the seal affixed to said instrument is the corporate seal of said corporation, and the said instrument was signed and sealed in behalf of said corporation by authority of its board of directors; and said _____ acknowledged said instrument to be the free act and deed of said corporation.

Notary Public, _____ County, Michigan

My commission expires: _____, 19__.

Approved as to form:
DEPARTMENT OF LAW

Dated: 10-29-71

Instrument drafted by:

Harry C. Tatigian - City Attorney
Department of Law
33001 Five Mile Road
Livonia, Michigan 48154

When recorded return to:
OFFICE OF THE CITY CLERK
33001 Five Mile Road
Livonia, Michigan 48154

7683366

92267112

L126193PA866

NATURAL USE, SCENIC AND OPEN SPACE EASEMENT

WHEREAS, Grantor, Seven Mile/Farmington Venture Limited Partnership, a Michigan limited partnership, whose address is First Center Office Plaza, Suite 600, 26913 Northwestern Highway, Southfield, Michigan 48034 (hereinafter referred to as the "Owner"), is the owner in fee simple of the real property described in CLAUSE I of this declaration, and is desirous of subjecting the real property described in CLAUSE I to the conditions, covenants, restrictions, reservations and easements hereinafter set forth, each and all of which is and are for the benefit of said property and/or any portion thereof, and shall inure to the benefit of said property and each and every parcel thereof, and for the public as described in the Conservation and Historic Preservation Easement Act.

NOW, THEREFORE, the Owner hereby conveys and grants an easement in the real property described in and referred to in CLAUSE I hereof to the City of Livonia, a Michigan municipal corporation, its successors and assigns, for the purposes, restrictions, reservations and limitations hereinafter set forth in CLAUSES II, III, IV, V and VI.

92267112

92 DEC -2 PM 2:12

CLAUSE I

The land to be affected by the Natural Use, Scenic and Open Space Easement contained herein is described as follows:

The South 60 feet of the East 160 feet of the following parcel of land:

That part of the S.E. 1/4 of Section 4, T. 1 S., R. 9 E., City of Livonia, Wayne County, Michigan, described as: Beginning at the intersection of the W. line of Farmington Road with the N. line of Seven Mile Road, which point is distant S. 89° 57' 10" W., 60.00' and N. 00° 00' 50" W., 60.00' from the S.E. corner of said Section 4; thence along the N. line of said Seven Mile Road, S. 89° 57' 10" W., 886.20'; thence N. 00° 00' 50" W., 640.00'; thence N. 62° 55' 45" E., 275.11'; thence N. 89° 57' 10" E., 200.00'; thence S. 00° 00' 50" E., 150.00'; thence N. 89° 57' 10" E., 441.20' to a point on the W. line of said Farmington Road; thence along said line, S. 00° 00' 50" E., 615.00' to the point of beginning. 046-016-99-0016-003.

APPROVED AS TO FORM
DEPARTMENT OF LAW

LEGAL DESCRIPTION APPROVED

CLAUSE II

GENERAL PURPOSES OF EASEMENT

The real property described in CLAUSE I hereof is subjected to a Natural Use, Scenic and Open Space Easement in accordance with enabling provisions in Act No. 197 of the Michigan Public Acts of 1980, MCLA 399.251 et seq. to insure proper use and preserve and protect the property described in CLAUSE I hereof; to insure adequate and reasonable development of said property; to encourage the erection of attractive improvements thereon; and in general to provide adequately for landscaping and open space in and upon said property.

2R 1ED

CLAUSE III

OPEN SPACE

The property described in CLAUSE I hereof is to be used and utilized for natural, scenic, open space landscaping and beautification purposes only.

CLAUSE IV

LANDSCAPING

The Owner and its heirs, administrators, executors and assigns shall be required to maintain all plantings and landscaping located, from time to time, within the property described in CLAUSE I hereof.

CLAUSE V

INSTALLATION AND CONSTRUCTION OF SIGNS

With respect to any and all development and/or construction on the property described in CLAUSE I, it shall be required that prior to the installation and construction of any and all kinds and manner of signs, whether detached, affixed or free-standing, written approval of the City of Livonia be obtained. This Clause shall be applicable to the subject property regardless of any ordinance provisions promulgated by the City of Livonia which might otherwise permit the installation of such signs.

CLAUSE VI

INGRESS AND EGRESS - MOTOR VEHICLE TRAFFIC

No points of egress or ingress shall be permitted with respect to the subject property described in CLAUSE I relating to public rights-of-way. The application and effect of this Clause shall be limited to motor vehicle traffic only and shall not be applicable to pedestrian traffic.

Dated this 7th day of August, 1992.

Signed in the presence of:

SEVEN MILE/FARMINGTON VENTURE LIMITED PARTNERSHIP, a Michigan limited partnership

By: Seven Mile/Farmington, Inc., a Michigan corporation, General Partner

By: _____
DAVID W. SCHOSTAK
Its: Vice President

_____
CAROLYN L. [illegible]

_____
MIRIAM BLOOM

STATE OF MICHIGAN)
) SS
COUNTY OF [illegible])

The foregoing instrument was acknowledged before me this 7th day of [illegible], 1992, by [illegible] the [illegible] of Seven Mile/Farmington, Inc., a Michigan corporation, which is a General Partner of Seven Mile/Farmington Venture Limited Partnership, a Michigan limited partnership, on behalf of said partnership.

CAROLYN M [illegible]
Notary Public, [illegible]
My Commission [illegible]

[signature]
Notary Public
[illegible] County, Michigan
My commission expires: 5-25-95

WHEN RECORDED RETURN TO:

Office of the City Clerk
Livonia City Hall
33000 Civic Center Drive
Livonia, Michigan 48154

DRAFTED BY:

George A. Weible
Assistant City Attorney
City of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154

A5733g

FORECLOSURE ENDORSEMENT, COUNTY REGISTER OF DEEDS
DEC 1 1992

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
CITY ENGINEER

DAVID W. LEAR, P.E.
ASST. CITY ENGINEER

MAUREEN MILLER BROSNAN
MAYOR

DOUGLAS L. MOORE, MSA
INTERIM DIRECTOR OF PUBLIC WORKS

12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2571
FAX: (734) 466-2195

March 31, 2026

Mr. Kristoffer Canty
Planner IV
City of Livonia

Re: Petition 2026-03-03-01 – #33500 Seven Mile Road (Meijer)

Dear Mr. Canty:

In accordance with your request, the Engineering Division has reviewed the above referenced petition. We have no objections to the proposed easement vacations, but would like to note the following items:

1. The subject parcel is assigned the address of **#33500 Seven Mile Road**.

2. The developer has been in contact with this department and will be providing replacement easements over the public utilities installed during the proposed project, once the final locations are known.

Should you have any additional questions on this matter, please feel free to contact me at (734) 466-2608 or the City Engineer, Mr. Todd Zilincik at (734) 466-2561. If you would prefer, you can e-mail either of us at dlear@livonia.gov or tzilincik@livonia.gov.

Sincerely,

David W. Lear, P.E.
Assistant City Engineer

Cc: 2026 Petition File

DEPARTMENT OF FINANCE

Benjamin N. Grier, JD, CPA
DIRECTOR OF FINANCE

Ermon Sims
CHIEF ACCOUNTANT

MAUREEN MILLER BROSNAN
MAYOR

33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2260
FAX: (734) 421-1807

April 15, 2026

Kristoffer Canty
Planning Commission
33000 Civic Center Drive
Livonia, MI 48154

Petition 2026-03-03-01 - 33500 Seven Mile Road (Seven Mile/Farmington Venture LP)

Dear Kristoffer,

I have reviewed the address connected with the above noted petition. As there are no outstanding amounts receivable (general or water and sewer), I have no objections to the proposal.

Please contact me if you have any further questions.

Very truly yours,

Ermon Sims
Chief Accountant

ES: jw

OFFICE OF THE TREASURER

SUSAN M. NASH
CITY TREASURER

33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3060
(734) 466-2245
FAX: (734) 421-7230

March 30, 2026

RE: 33500 Seven Mile

Attention: Planning Commissioners

The owner of the property is current on their property tax.

If you have any further questions, please contact me

Thank you

Susan Nash
Livonia City Treasurer

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

6. REAPPOINTMENT OF SAM CARAMAGNO TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

Sam Caramagno, Merriman Rd., requested approval for reappointment stating his happiness to continue working for the City of Livonia.

The following residents spoke regarding Item 6: Christopher Martin, Jerry Karasinski, and Steve King.

Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

6.

Mayor's Office
April 29, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Mark Taormina, Planning and Economic Development Director

AGENDA ITEM

REAPPOINTMENT OF SAM CARAMAGNO TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Reappointment of Sam Caramagno to the Planning Commission

Dear Council Members,

I am herewith submitting to you, for your consideration and approval, the reappointment of Mr. Sam Caramagno, 17441 Merriman, Livonia, Michigan 48152, as a member of the Planning Commission for a three-year term that will expire on June 9, 2029.

Your approval on this reappointment is respectfully requested.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Reappoint Sam Caramagno to the Livonia Planning Commission for a three-year term.

ATTACHMENTS

None

APPROVED BY

Maureen Miller Brosnan

Date: April 30, 2026

Maureen Miller Brosnan, Mayor

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

7. REAPPOINTMENT OF PETER VENTURA TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

   Peter Ventura, Mayfield St., requested approval for reappointment stating his enjoyment contributing to the City of Livonia.

   Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

7.

Mayor's Office
April 29, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Mark Taormina, Planning and Economic Development Director

AGENDA ITEM

REAPPOINTMENT OF PETER VENTURA TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Reappointment of Peter Ventura to the Planning Commission

Dear Council Members,

I am herewith submitting to you, for your consideration and approval, the reappointment of Mr. Peter Ventura, 18517 Mayfield, Livonia, Michigan 48152, as a member of the Planning Commission for a three-year term that will expire on June 9, 2029.

Your approval on this reappointment is respectfully requested.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Reappoint Peter Ventura to the Livonia Planning Commission for a three-year term.

ATTACHMENTS

None

APPROVED BY

Maureen Miller Brosnan

Date: April 30, 2026

Maureen Miller Brosnan, Mayor

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

8. REAPPOINTMENT OF GLEN LONG TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

   Mark Taormina, Planning and Economic Development Director, stated Glen Long has been a long standing member of the Planning Commission and he would like to continue his role.

   Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

   DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

8.

Mayor's Office
April 29, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Mark Taormina, Planning and Economic Development Director

AGENDA ITEM

REAPPOINTMENT OF GLEN LONG TO THE LIVONIA PLANNING COMMISSION: for a three-year term, which will expire on June 9, 2029.

BACKGROUND DETAILS

Honorable Members of the City Council, City of Livonia
RE: Reappointment of Glen Long to the Planning Commission

Dear Council Members:

I am herewith submitting to you, for your consideration and approval, the reappointment of Mr. Glen Long, 16186 Edgewood Drive, Livonia, Michigan 48154, as a member of the Planning Commission for a three-year term that will expire on June 9, 2029.

Your approval on this reappointment is respectfully requested.

Sincerely,
Maureen Miller Brosnan, Mayor

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Reappoint Glen Long to the Livonia Planning Commission fr a three-year term.

ATTACHMENTS

None

APPROVED BY

Maureen Miller Brosnan

Date: April 30, 2026

Maureen Miller Brosnan, Mayor

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

9. REQUEST TO EXTEND CONTRACT WITH BOUND TREE MEDICAL: for emergency medical supplies and equipment, not to exceed $130,000.00 annually, from budgeted funds.

Robert Jennison, Fire Chief, requested extension of contract, the contract expired in January, and the contract would be for the next two years with the potential for four, one-year extensions.

Motion was made by Vice President Brockway to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

9.

Fire
May 6, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Robert Jennison, Fire Chief

AGENDA ITEM

REQUEST TO EXTEND CONTRACT WITH BOUND TREE MEDICAL: for emergency medical supplies and equipment, not to exceed $130,000.00 annually, from budgeted funds.

BACKGROUND DETAILS

Bound Tree Medical has been the Fire department's emergency medical supply vendor for many years and has provided excellent service to the Fire Department. Bound Tree Medical provides no-cost overnight shipping from their regional warehouse, supplying all manners of EMS equipment, from bandages and splinting to intravenous needles and fluids, defibrillation pads and electronic patient monitoring equipment.

Livonia Fire & Rescue has been a member of the Southeast Michigan Emergency Medical Supplies Cooperative (SMEMS) and has thus benefitted from the reduced costs and increased purchasing limits associated with this program. This program (SMEMS) is run through the Michigan Inter-governmental Trade Network (MITN) under contract # FH-25-26-2525 Emergency Medical Supplies and Equipment The current contract term through Farmington Hills is January 27, 2026 through January 26, 2028 has been awarded to Bound Tree Medical, with four (4) one-year renewal extension options.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Waive the formal bidding process in accordance with Section 3.04.140.E.4 of the Livonia Code of Ordinances, as amended, since the purchase is being made through the Farmington Hills/MITN cooperative purchasing consortium.

Authorize the purchase of emergency medical supplies and equipment from Bound Tree Medical, 5000 Tuttle Crossing, Dublin, OH 43016 in an amount not to exceed $130,000 annually for the period of January 27, 2026 through January 26, 2028 from budgeted funds in account 101-338-742-000.

ATTACHMENTS

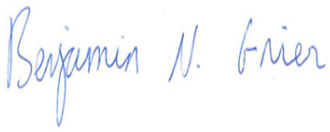
1. FH EMS purchasing 2525-ems-signed-agreement-and-boundtree-response
2. FH Bound Tree cmr-2525-and-council-award 2026

APPROVED BY



Date: May 06, 2026

Robert Jennison, Fire Chief



Date: May 08, 2026

Benjamin N. Grier, JD, CPA, Finance Director



Date: May 08, 2026

Maureen Miller Brosnan, Mayor

CITY OF FARMINGTON HILLS
DEPARTMENT OF CENTRAL SERVICES
PURCHASING DIVISION

31555 ELEVEN MILE ROAD
FARMINGTON HILLS, MI 48336-1165
www.fhgov.com

PHONE 248-871-2435

EMERGENCY MEDICAL SUPPLIES & EQUIPMENT AGREEMENT

THIS AGREEMENT, made and entered into this **27** day of **January, 2026** , by and between the City of Farmington Hills, Oakland County, Michigan, on behalf of the SMEMS COOPERATIVE and the MITN Purchasing Cooperative, Party of the First Part, hereinafter called OWNER, and Party of the Second Part,

BOUND TREE MEDICAL hereinafter called the CONTRACTOR.

WITNESSETH, that the Contractor and the Owner, for the consideration hereinafter named agree as follows:

ARTICLE I - THE WORK

It is agreed that the Contractor shall furnish all the labor, materials to deliver products shown and called for in the Invitation to Bid titled:

FH-25-26-2525 Emergency Medical Supplies and Equipment

prepared by the City of Farmington Hills, Central Services Department, Oakland County, Michigan, acting as, and in these Contract Documents entitled, the Contract Manager, and shall do everything required by the Contract Documents.

ARTICLE II - THE TIME

It is agreed that the Contractor shall begin work under this Contract upon receipt of written notice to proceed and that the contractor will fulfill all contract requirements for a period of **two (2)** years from date of contract award. It is further agreed that The City of Farmington Hills acting on behalf of the Southeast Michigan Emergency Medical Supplies Cooperative and MITN Purchasing Cooperative may opt to extend the pricing, terms and conditions of this contract **for four (4) one year renewals after the contract completion date.**

ARTICLE III - OWNER'S RIGHT TO CANCEL

It is agreed that if at any time the Contractor should abandon this work; or if he should be adjudged a bankrupt, or if his performance of this Contract is being unnecessarily or unreasonably delayed; or if he should make a general assignment for the benefit of his creditors; or if a receiver should be appointed on account of his insolvency; or if he should persistently or repeatedly fail to fulfill portions of the contract requirements the Owner shall have the right to cancel the Contract with seven ten (10) days written notice. Failure to perform specified duties listed herein after two (2) written notices shall constitute grounds for cancellation

ARTICLE IV - ASSIGNMENT OF CONTRACT

It is agreed that the Contractor shall not assign or transfer this Contract or sublet any part of the work embraced in it, except with the written consent of the Owner to do so.

ARTICLE V – THIRD PARTY BENEFICIARIES

There are no third party beneficiaries to this Agreement, and nothing expressed or referred to in this Agreement will be construed to give any person or entity other than the parties to this Agreement any legal or equitable right, remedy, or claim under or with respect to this Agreement or any provision of this Agreement. This Agreement and all of its provisions and conditions are for the sole and exclusive benefit of the parties named.

ARTICLE VI - THE CONTRACT SUM

And it is agreed that, in consideration of the faithful and entire performance by the Contractor of his obligations under this contract, the Owner, shall pay to him, at the time and in the manner hereinafter stipulated, an amount as determined by the measured quantities and the respective unit prices herein named within thirty (30) days of receipt of the Contractor's invoices. Requested to do so, supported if requested, by sworn statements, satisfactory evidence that all persons who have supplied labor.

It is further agreed that volume estimates listed in the specification document are as such just estimates and that the Owner will not be held responsible to meet any volume estimate listed to receive contract pricing.

The person representing the Contractor who will submit written invoices for payment is designated as:

Victoria Dodson. The person representing the Owner to whom invoices are to be submitted and questions regarding payment shall be designated by each entity after award.

It is agreed that no issues regarding payment of invoices shall affect the delivery of goods and services No orders shall be held by the Contractor by the Owner shall be deemed or construed as an acceptance of any part of the work under this contract.

IN WITNESS WHEREOF, the parties have caused these presents to be signed personally or by their duly authorized officers or agents and their seals affixed and duly attested the day and year first written above for **Emergency Medical Supplies and Equipment.**

CITY OF FARMINGTON HILLS - MUNICIPALITY

WITNESSES

_____ **BY: Karen Mondora, Acting City Manager/Date**

_____ **BY: Carly Lindahl, City Clerk/Date**

****

CONTRACTOR

WITNESSES

_____ BY Corey Case / Chief Marketing Officer 01/29/2026
Contractor/Date

_____ BY: Christopher Fyffe / Manager, Bids & Contracts 01/29/2026
Contractor/Date

Contractor's signature (s) must be notarized:

STATE OF Ohio)

COUNTY OF Franklin)

Subscribed and sworn to before me this 29th day of January 2026

Casey Lynn Shows
Notary Public

Franklin County, Ohio

My Commission Expires: December 4, 2030

NOTARIAL SEAL
STATE OF OHIO

Casey Lynn Shows
Notary Public, State of Ohio
My Commission Expires:
December 4, 2030

Bound Tree

FARMINGTON HILLS Michigan

CITY OF FARMINGTON HILLS

PURCHASING DIVISION

EMERGENCY MEDICAL SUPPLIES

RFP-FH-25-26-2525

DUE – DECEMBER 3, 2019 10:00AM

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    - Non-Iran Linked Business
    - Vendor Questionnaire
3. Continuity of Operations Plan
4. Sample Agreement

Section B - Discount Proposal

1. Core List Pricing
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3. Completed Authorization of Proposal Form
4. Information and Links for Price Lists

FARMINGTON HILLS Michigan

DEPARTMENT OF CENTRAL SERVICES

November 12, 2025

TO: **Suppliers/Contractors**

FROM: **Michelle Aranowski – Director of Central Services**

RE: **#rfp-fh-25-26-2525 –Emergency Medical Supplied - ADDENDUM #1**

Please be advised of the following amendment to the above referenced RFP. **Responses are due Wednesday, December 3, 10:00 a.m. E.S.T. Please include this signed Addendum sheet with all copies of your bid**. Responses will then be publicly opened and available for inspection. If you have any questions, please contact Michelle Aranowski at (248) 871-2426 or maranowski@fhgov.com. Thank you for your interest in the City of Farmington Hills.

ADDENDUM- #1

CLARIFICATIONS

1. The due date has been extended to **Wednesday, December 3, 2025 @ 10:00 a.m. E.S.T.**
2. You do not have to bid on every item to be considered.
3. The extra line under each item is for a generic or a city approved equivalent.
4. The cooperative is not opposed to awarding to multiple vendors. (In the past, we have awarded to 1 vendor because they were able to fulfill the corelist.)
5. The delivery locations will be over 300 locations.

CORRECTION

1. Page 8, 34. A:

34. CONTRACT SPECIFICATIONS

A. The estimated aggregate volume per year, for the manufacturer's listed herein, for the current cooperative members ~~(Attachment A)~~ **(over 300 entities)** are $2 million dollars.

ADDITION

1. Add the following to the last line of the corelist:

i-gel Plus O2 Resus Pack, MED Adult, incl size 3 i-gel O2, for Pts 30-60kg

FARMINGTON HILLS Michigan

DEPARTMENT OF CENTRAL SERVICES

ACCEPTANCE OF ADDENDUM #1

Company Bound Tree Medical, LLC

Signed _____

Printed Rob Meriweather

Date 12/02/2025

FARMINGTON HILLS Michigan

EMERGENCY MEDICAL SUPPLIES AND EQUIPMENT

Section A - General

QUALIFICATIONS, HISTORY, OVERVIEW

BOUND TREE MEDICAL'S QUALIFICATIONS

ABOUT BOUND TREE MEDICAL

Bound Tree Medical originated in 1978, when David Currier, an entrepreneur, politician and former Emergency Medical Technician, started a small emergency medical supply company in Henniker, New Hampshire.

DECADES OF GROWTH

When David Currier founded Bound Tree Medical, he was serving as a Henniker Selectman. A Selectman is a member of the executive arm of the government of New England towns in the United States. Since the early 1700s, Selectmen have been required to perambulate - to make an official inspection by foot - of the Henniker town boundaries at least every five years.

At the town's northeast boundary point was a large white oak tree - a bound tree. It had served as a guidepost for the Selectmen since 1752 when what was originally called "Town Number Six" was first surveyed. The historical significance of the tree prompted David to name his new business "Bound Tree Corporation".

"Four Decades of Growth – A strong reputation for quality products and reliable customer service helped the company flourish throughout the 80s, 90s and early 2000s. A series of strategic mergers and acquisitions further stimulated the company's growth. Pharmaceuticals and specialty I.V. therapy products for emergency medical services (EMS) care providers were added to the product mix, and Bound Tree continued expanding its services for the EMS market. In 2008, Bound Tree Medical and Tri-anim Health Services, Inc., another well-respected medical supply company, became subsidiaries of Sarnova, Inc, a leading specialty provider of healthcare products across the EMS and acute care continuum.

WHAT IT MEANS FOR YOU

With 47 years of experience, Bound Tree Medical truly understands the EMS industry. We are passionate about EMS and the communities they serve. With over 27,000 products from 600 manufacturers, the breadth and depth of our organization enable us to provide you with a full spectrum of quality EMS products and resources — efficiently and cost effectively.

BOUND TREE MEDICAL TIMELINE

1978 – Founded by David Currier in Henniker, New Hampshire.

1995 – Merged with ALS in Tempe, Arizona to become Bound Tree/ALS.

2001 – Merged with Parr Emergency Products, in Galloway, Ohio to become Bound Tree Parr, LLC.
– Acquired PMX Medical, the emergency medical business of Pro Med Company, located in Salt Lake City, Utah; changed name to Bound Tree Medical, LLC.

2002 – Entered into a long-term strategic agreement with Sun Belt Medical Supply, Inc. for the supply of pharmaceuticals and related products to the pre-hospital marketplace.

2007 – Bound Tree Medical Europe Ltd acquired the assets of Galls® Europe Ltd; appointed a distributor of Galls® and DynaMed™ throughout Europe.

2008 – Became part of new holding company, Sarnova, Inc.

2009 – Acquired Blue Ridge Medical, Inc., a national supplier of pharmaceuticals to the EMS community.

2011 – Acquired Alliance Medical, Inc. (AllMed).

2013 – Acquired Progressive Medical International (PMI).

2018 – Bound Tree celebrated 40 years of being Your Partner in EMS.

2019 – Bound Tree acquired Southeastern Emergency Equipment on January 23, 2019.
Bound Tree acquired EMS business from Concordance Healthcare Solutions on June 20, 2019.

2024 – Emergency Medical Products (EMP) was integrated into Bound Tree on April 1, 2024.
Bound Tree acquired QuadMed, Inc on July 1, 2024

BOUND TREE MEDICAL'S ABILITY

Bound Tree recognizes and understands the challenges that City of Farmington Hills is facing today and believes we can provide solutions and services to help mitigate and solve many of them. We will offer you 100% of our resources and abilities. There is no other company that can offer the same combination of competitive pricing, exceptional customer service, online ordering, disaster preparedness, inventory solutions, reporting, and exceptional fill rates as Bound Tree. As Your Partner in EMS for 40 years, we've made it our mission to help you save minutes and save lives. We strive to understand your unique needs and provide you with the right products, services and support.

THE RIGHT PRODUCTS

Curaplex® by Bound Tree – Aside from offering national, well-known brands, Bound Tree's Curaplex portfolio of products is an advantage to your business, providing what you need when it comes to product availability, price, selection and quality on the items you use the most. Curaplex® is designed for customers who want the best value but aren't willing to compromise on quality and patient care.

Pharmaceuticals – Bound Tree sells a full line of EMS pharmaceuticals including Class II, III, and IV scheduled drugs. As a leader in the industry, we have VAWD accreditation from the National Association of Boards of Pharmacy and are compliant with FDA Pedigree requirements as set forth by the Drug Supply Chain Security Act. We also provide weekly pharmaceutical backorder reports with up-to-date industry information.

Recertified Equipment – Bound Tree's offers recertified AEDs, defibrillators, ECG monitors, infusion pumps, pulse oximeters, suction units, ventilators, and vital sign monitors from leading manufacturers. Our highly trained biomedical technicians painstakingly recertify all critical care equipment to ensure a quality product at a savings of up to 50% of new equipment. This will be beneficial when you need service on your IV pumps or if you find the need for additional ones.

THE RIGHT SERVICES

Operative IQ Inventory Management – Operative IQ improves productivity by connecting the functional areas of your operation. It allows people to share information, reduce labor hours and material costs, improve service levels and communication, and make informed business decisions.

UCapIt Controlled Medical Supply Dispensing – UCapIt allows EMS, Pharmaceutical and other medical professionals the ability to restock their units 24/7 and have real-time usage and inventory tracking. Annual savings using the UCapIt dispenser have been realized up to 30% related to shrink, expiration management and overhead.

Controlled Substances Ordering System – The Controlled Substances Ordering System (CSOS) was developed by the DEA for the electronic transmission of Class II controlled substances orders. This allows for a significant reduction in the number of ordering errors, faster transaction times and lower costs due to order accuracy and decreased paperwork.

THE RIGHT SUPPORT

Sales Support Team – City of Farmington has a dedicated Account Manager, who along with being readily available, will provide quarterly business reviews to maintain performance, maximize results and adjust to any changing needs and requirements City of Farmington may have. Our Customer Service Team is trained and available 7:30 am – 8:00 pm ET to respond to customer inquiries regarding items, availability, shipment, delivery, and product substitutions when needed in the event of longer-term backorders.

Bound Tree University – Our Bound Tree EDU provides 5 Free CE accredited courses, to help drive employee retention and on-going training. With 150+ hours of recorded classes available on-demand and live classes five days a week, it meets all the requirements for NREMT, State license, CFRN, and now FP-C and CCP-C as well (meets w requirements for full renewal).

THE RIGHT INFRASTRUCTURE

BoundTree.com – The Bound Tree website offers convenient 24/7/365 access to product information and ordering, supply lists, order history, electronic requisitions, and email notifications. We also offer Electronic Data Interchange (EDI) compatibility.

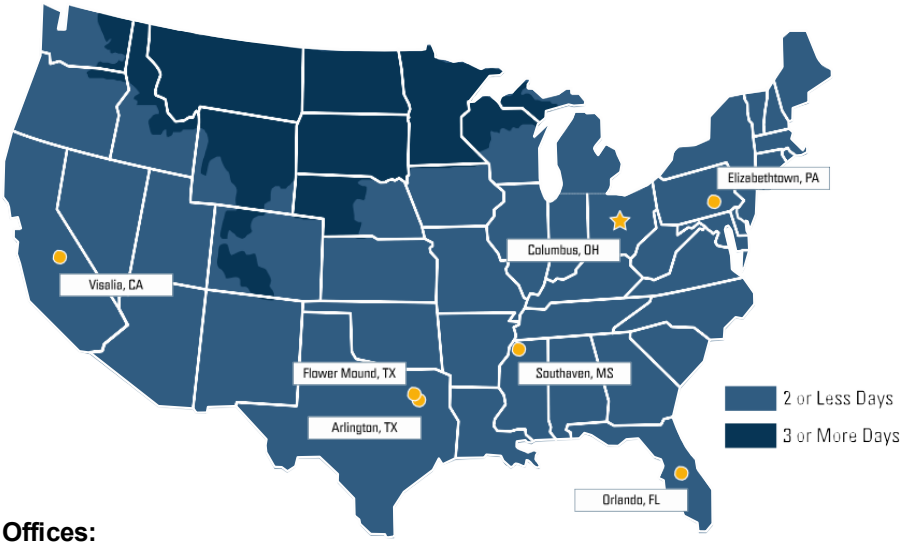
Nationwide Distribution – For operational efficiency and faster disaster response, Bound Tree operates 5 distribution centers nationwide. Ninety-six percent of all our customers can be reached using UPS Ground within 2 business days.

Medical Device Kitting –Bound Tree operates an FDA approved medical device kitting facility. Curaplex® pre-assembled kits solve a variety of your everyday challenges, so you spend less time worrying about the details and more time focusing on patient care. Curaplex® kits give you the ability to respond quickly to emergency scenarios by providing immediate access to the supplies you need. Custom Kitting solutions are also available.

Disaster Support – Call Bound Tree's Disaster Support Hotline at 800-863-0953 to report major incidents and identify medical supply needs. Once reported, Bound Tree Medical personnel will take immediate measures to assist in relief efforts. Our Disaster Response Team was activated several times during the recent hurricanes helping to supply relief efforts.

DISTRIBUTION CENTER INFORMATION

Bound Tree operates 5 distribution centers strategically positioned for operational efficiency and disaster response. 96% of all of our customers can be reached using UPS Ground within 2 business days.



Offices:

Bound Tree Medical Headquarters
Bound Tree Medical 5000 Bradenton Ave.
Dublin, OH 43017
Phone: 800.533.0523
Fax: 800.257.5713
Web: www.boundtree.com

Distribution Centers:

California
2237 N. Plaza Drive
Visalia, CA 93291

Indiana
1033 Collins Rd, Ste A
Greenwood, IN 46143

Pennsylvania
1605 Zeager Road, Suite 101
Elizabethtown, PA 17022

Texas
2911 S. Great Southwest Parkway, Ste 200
Grand Prairie, TX 75052

Florida
2619 Ignition Drive, Ste 2
Jacksonville, FL 32218

Texas, Kitting Facility
2911 S. Great Southwest Pkwy, Ste 200B
Grand Prairie, TX 75052

National References

Jessica Barnhart, Medical Supply Specialist
City of Columbus Division of Fire
2028 Williams Road
Columbus, Ohio 43207
614-616-4699
Jbarnhart@columbus.gov

Charlene Sifford, Director Global Purchasing
Priority Ambulance
910 Callahan Road, Suite 101
Knoxville, TN 37912
865-440-0996
csifford@priorityambulance.com

Lieutenant Jerami Bennett
Baltimore City Fire Department
3500 West Northern Parkway
Baltimore, MD 21215
410-396-2718
Jerami.Bennett@baltimorecity.gov

Barbara Tripp, Fire Chief
City of Tampa Fire Department
808 East Zack Street
Tampa, FL 33602
352-406-2573
barbara.tripp@tampagov.net

Lieutenant Ryan Jamison
San Francisco Fire Department
1415 Evans Avenue
San Francisco, CA 34124
626-271-4974
Ryan.Jamison@sfgov.org

Douglas Isaacs, MD, Deputy Medical Director
Fire Department City of New York
9 Metro Tech Center
Brooklyn, NY 11201
718-999-2790
doug.isaacs@fdny.nyc.gov

THE RIGHT SUPPORT

Bound Tree is committed to providing City of Farmington Hills with best-in-class support. This includes a dedicated team focused on your success. Mesa will have ready access to your account manager and our manufacturing partners for help in in-service training at no cost.



WILLIAM WAITE – ACCOUNT MANAGER

I joined the Bound Tree Team in June 2020 as the Indiana Account Manager before moving into the Southeast Michigan Territory in the summer 2022. Before Bound Tree, I spend several years working with a transportation and logistics firm out of Chicago and Detroit. I also spend several years with a northern Michigan Fire Department. We were a career ALS department; however, I was only on the BLS side. Working alongside our Paramedics in the back of the Ambulance, I gained valuable knowledge and experiences that now help me today! I will be your contact for all things related to item selection, pricing, product questions/demonstration, and business consultations. I live locally, so I am available to meet at any time.



DON ADAMS – VICE PRESIDENT OF SALES, EASTERN US

Don has over thirty years of Municipal, Fire, and Private EMS experience as a licensed Paramedic and Instructor Coordinator in the State of Michigan. Don is a past president of the Michigan Association of Ambulance Services and was the 1996 Michigan Paramedic of the Year. He Joined Bound Tree in 2012 as an Account Manager, was promoted in 2016 to Regional Sales Director, and most recently took the helm as the Vice President of Sales for the Eastern US. Don's goal is simple – to help all of his account managers and their customers create a valued partnership that helps bring better products and care to the patient.



EDWARD DRAPER – REGIONAL SALES DIRECTOR

Ed joined the Bound Tree team in October of 2016. I spent most of my life working in the fire and EMS industry, working predominantly on the West side of the state, and just before coming the Bound Tree, I was the Chief Administrator of a Fire-Based EMS Agency near Traverse City. I spent over 20 years in the industry and learn more every day about how to better advocate for my partners and help them manage their business. I look forward to being your partner and learning more about what your organization does to uniquely help the people you serve.



MADISON MESSINA – CUSTOMER SERVICE REPRESENTATIVE

I joined Bound Tree in January 2023 as a sales support specialist and began working with the SEMI team in February 2025. I was promoted to Customer Care Lead in the summer of 2025. During my time here, I've really come to appreciate how meaningful our customer relationships truly are, and I'm looking forward to strengthening ours in the coming weeks, months, & years ahead. I'll sever as your to-to contact for order inquires, exchanges, returns, product availability requests, any website-related questions, or additional issues or concerns you may have.

LOGAN KIRBY – CUSTOMER CARE MANAGER



I joined the Bound Tree team in July of 2018 as a Customer Care Supervisor. Before joining the team, I was a Customer Service Supervisor at Verizon Wireless for 6 years and gained a great deal of experience identifying customer pain points and formulating new processes to streamline and improve. I am extremely passionate about the work we do here and am always looking for new way to enhance the customer experience. I'll be your contact for any escalated issues, working in close partnership with our team to ensure we are proactive in creating the best experience for you.



KRYSTA MARTIN – CREDIT AND COLLECTIONS ANALYST

I joined the Bound Tree team in November of 2019. I am the mother of 5 children. I'm most an empty nester! Before coming to Bound Tree, I was an Assistant Manager at US Bank. I had been in the banking industry for 20 years and had decided that I wanted to do something new. I'll be your contact for questions related to invoicing, payments and terms, credit limits, and for updating your accounts payable contacts.



CHRIS FYFFE – BIDS AND CONTRACTS MANAGER

Chris Fyffe, Bids and Contracts Manager, has been with Bound Tree Medical for just shy of eight years. In his tenure with Bound Tree, he has been involved with pricing, quotations, bids, and deal management activities. In addition to his experience with the distribution of medical supplies, he has worked in transportation logistics, and retail management. His goal is help all of customers create a valued partnership that helps bring better products and care to the patient.

Welcome Southeast Michigan Fire and EMS!

We are thrilled to partner with you and support your mission to provide exceptional emergency care. At Bound Tree Medical, we don't just want to be the place you call for supplies—we strive to be a trusted partner who understands your unique needs and helps you deliver life-saving care efficiently and effectively.

Our Commitment to You

Every EMS organization has its own processes, challenges, and priorities. Our goal is to understand yours deeply so we can respond quickly and provide tailored solutions when you need them most. We are here to ensure your operations run smoothly, with the right products and support at the right time.

Why Bound Tree Medical

Exclusive Focus on Pre-Hospital Care: Our warehouses are stocked exclusively with EMS-specific products, increasing the likelihood that the items you need are available and ready to ship. Most orders arrive within 1 business day.

Nationwide Distribution Network: With strategically located warehouses across the country, we ensure fast delivery and continuity of operations—even during natural disasters or pandemics.

Account Support: Account Managers and Leadership are available 24/7/365. See contact information below.

Dedicated Customer Care: Our experienced team is available Monday–Friday, 8 AM–8 PM EST to assist with orders, questions, and concerns.

Comprehensive Product Offering: From airway management and trauma supplies to pharmaceuticals and advanced monitoring equipment, we provide everything you need for pre-hospital emergency care.

Technology Solutions: We offer inventory management tools, machines, and software, online ordering, and customizable reporting to help streamline your supply chain.

Education & Training Resources: Bound Tree supports EMS professionals with continuing education opportunities, clinical resources, and product training.

Disaster Response Hotline: Our Emergency Disaster Support Program is here to help you in disasters such as hurricanes, tornadoes, fires, floods, blizzards, MCI's, and more. This program enables you to call our Disaster Support Hotline 24 hours a day, 7 days a week, to speak to a live operator to report major incidents and identify your medical supply needs. Phone: **888-8345-6640 and/or 810-588-3424**

Now, let's meet a few of the people you'll be working with on a regular basis:

William Waite

810-588-3424
william.waite@boundtree.com
www.linkedin.com/in/williamkwaite

Skills

- Michigan Firefighter 1 & 2
- AHA CPR & First Responder
- FEMA/NIMS Emergency Training
- Award Winning Sales Professional
- Microsoft Office Suite
- PowerBI
- Consultative Selling
- Industry SME
- Territory Planning
- D365 CRM

Experience

MAY 2020 TO PRESENT

Account Manager - Michigan / Bound Tree Medical

- Lateral transfer to SE MI May 2022
- Consistent YOY top performer
- Responsible for account management, new business development, prepare proposals and conduct sales presentations, negotiate pricing and manage rebates, provide product information and demonstrations, analyze internal reports, meet monthly, quarterly, and annual sales quotas.

MARCH 2015 – JUNE 2020

Managed Services Business Analyst / Redwood Logistics

- Hired as an Operations Analyst
- Promoted to Dedicated Operations Lead May 2016
- Promoted to Implementation Coordinator in November 2018
- Promoted to Managed Services Business Analyst January 2020
- Facilitate successful implementations and startups for new TMS clients
- Work closely with all stakeholders on new customer implementations - ensuring solutions meet business needs and requirements for the customer and internal teams
- Act as liaison between internal departments and end users with the client
- Gather information, document requirements and illustrate workflows in Confluence and Lucid chart systems
- Perform technical tasks within the TMS. Environment creation and configuration
- Lead client and vendor demos and trainings on MG TMS workflow/process via Webinar or in person
- Create training materials for the clients and internal departments
- Perform special studies and projects to improve internal processes and practices
- Subject Matter Expert (SME) in the Managed Service workflow and process
- Write new and rewrite existing SOPs for process improvements

- Identify opportunities to improve operational efficiency between client and internal operations team
- Participate in carrier management processes, such as selection, qualification, and performance evaluation
- Deliver a monthly, quarterly and annual report to senior management on industry trends, carrier performance, project status and how to maximize those trends by altering company procedure and process
- Write or revise standard operating procedures (SOP) for logistics operational processes
- Identify areas for process improvement and cost savings to ensure expectations are met
- Prepares reports by collecting, analyzing, and summarizing information

MAY 2012 – MARCH 2015

On-Site Logistics Account Manager / Universal Truckload Service

- Hired as a Fleet Manager, overseeing 25+ drivers and 8 terminal operations
- Promoted to Account Manager working on-site at Union Pacific Railroad in Omaha, NE
- Oversaw daily operations on a multimillion-dollar account while providing cost saving opportunities for UPRR through FTL and IMDL shipments
- Acting liaison for invoice discrepancies
- Ensure freight is invoiced properly and promptly with set terms
- First line of communication between all parties: client, drivers, shipper and consignee
- Offer guidance to contracted drivers on the best ways to maximize their earnings, while delivering a high level of customer service
- Work closely with the maintenance team to find ways to reduce downtime due to repairs or lack of routine maintenance
- Keeping the client informed on the industry and market changes and how it will affect future capacity and expense
- Manage the movement of the client's goods, ensuring that they are picked up and delivered on time to the client's satisfaction
- Work quickly and effectively to resolve problems that may develop on a shipment; be proactive
- Work with competitors to service the client on large projects requiring 12+ drivers for railroad crew moves

Activities

- Mentor with Magnus Charitable Trust
- Amateur Player on Golfweek Amateur Tour
- Macomb County Training Committee
- Volunteer with PAWS Chicago
- Motorcycle enthusiasts
- Customer Relationship Management (CRM)

Summary

Award-winning Regional Sales Director with over a decade of driving multimillion-dollar growth in healthcare and medical supply sales. Proven record of building high-performing teams, exceeding quotas, and expanding market share across 9 states. Recognized for CRM expertise, strategic planning, and mentoring future leaders. Currently pursuing MBA/MS in Data Science to strengthen data-driven sales leadership.

Work Experience

Regional Sales Director – Bound Tree Medical / Sarnova | Feb 2022–Present

- Directed $37M annual sales revenue across 9 states while leading a team of 10 account managers.
- Achieved *Top Region Curaplex Growth CY24*; expanded span of control requiring additional FTEs.
- Recognized as award-winning sales leader for consistent quota attainment and market expansion.
- CRM Subject Matter Expert; created national dashboards boosting staff productivity and efficiency.

Michigan Account Manager – Bound Tree Medical / Sarnova Oct 2016–Feb 2022

- Achieved 100%+ to plan annually; *Account Manager of the Year 2018 & 2019*.
- First to build a $1M Curaplex territory, sustained for 2 consecutive years.
- Recognized as *Top Account Manager in Curaplex Growth 2019* and *Net New Account Expert*.
- Ranked #1 in Cardiac Science AED orders 2018–2020.
- Featured in *Repertoire Magazine Rep Corner* (Jan 2019).
- Perennial Incentive Trip Winner for top-tier performance.

Chief EMS Administrator – Blair Township Emergency Services Jun 2013–Nov 2016

- Directed strategic planning, organizational leadership, and operational oversight for 40+ staff.
- Managed budgets, payroll, scheduling, orientation, reporting, and education programs.
- Introduced patient ventilators and prehospital POC lactate monitoring for sepsis treatment.
- Increased average daily revenue by 28%, reduced accounts receivable days by 28%, and boosted cash receipts by 20%.

Emergency Services & Healthcare Leadership – Multiple Agencies 1997–2016

- Progressive roles in EMS, firefighting, and healthcare education.
- Served as Assistant Fire Chief, EMS Director, Instructor Coordinator, and Proprietor of EMS Education business.
- Delivered QA/QI programs, paramedic training, and social media strategy for EMS outreach.

Education

- MBA/MS Data Science (in progress), Eastern University – Expected 2027
- Professional Certificate in Supervisory Management – Michigan State University, 2020
- BASc Public Safety & Healthcare Management – Siena Heights University, 2016 (Summa Cum Laude)
- AAS Paramedic – West Shore Community College, 2014 (Dean's List, 4.0 GPA)
- Paramedic Certificate – Baker College of Cadillac, 2005 (Cum Laude)
- EMS Instructor Coordinator – Platinum Educational Group, 2008
- Firefighter I & II – Michigan Firefighter's Training Council, 2002
- EMT Certification – Munson Regional EMS Education, 200



*Edward**Draper***

Holt, MI 48842
231.735.5078
MedicDraper@Gmail.com
www.LinkedIn.com/in/MedicDraper

Transformational Leader

Award Winning Sales Account Manager

Emotionally Intelligent

Paramedic Firefighter

Licensed EMS Educator

Public Speaker

Psychology Enthusiast

Cardiology Enthusiast

Social Media Marketing

Life-Long Student

DIsc

ESTJ

I am known for being fair, firm, and clear. A unifier who is customer and people-focused leader who strives to inspire the team to grow professionally & personally.

I am a proactive visionary who enjoys using analytics to increase efficiency and reduce costs while increasing profit. I believe deeply in consistent personal growth creating an environment for team-over-self mentality.

I am authentically committed to creating a noble vision which inspires others to facilitate conditions where those around me express ideas for process and organizational improvement.

I believe character is the most important attribute someone can have, which means I pour my heart into ensuring I say what I mean and mean what I say. I expect others to hold themselves to this same standard. I admit when I'm wrong and learn each and every day.



*Edward**Draper***

Holt, MI 48842
231.735.5078
MedicDraper@Gmail.com

What Others Say About Me:

Open-Minded

Genuine

Relentless

Passionate

Strategic

Mentor

Inspiring

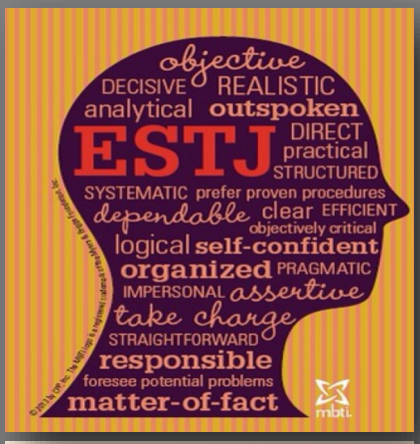
Relationship Builder / Manager

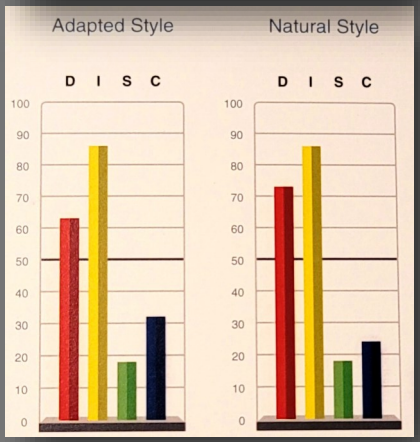
Partner Advocate

Charismatic

Self-Aware

Tactician







Paula (PW) White
Leadership & Music / AA-ISP Advisory Board / #GirlsClub Thought Leader / SalesClass.ai Contributor
October 21, 2020, Paula (PW) worked with Ed in different groups

From the time Ed Draper began to work at Bound Tree, I knew he was going to be highly successful. Ed has the drive, tenacity, and a creative edge people look for in a sales organization. He is phenomenal with his customers by bring service and value to each one individually. Ed also thinks outside the box and encourages a team atmosphere. Thank you Ed for all you do!



Nick Lemcool
East Bay Ambulance Director, Paramedic, Instructor/ Coordinator
October 1, 2020, Nick reported directly to Ed

I have worked with Ed on many different aspects and positions. When Ed was a firefighter/ paramedic, Ed was one of my many preceptors during paramedic clinical and externship. When Ed was promoted to EMS Administrator, I worked under him. Through his quick thinking and out of the box thinking he is able to overcome challenges quickly and effectively. When Ed moved on from public safety I have been able to maintain contact with Ed and think of him as one of my important mentors, calling on him often for guidance and to bounce ideas off of. Ed is always there when you call and is an active listener. Any organization would be lucky to have Ed on their team.



Tyler Bajtka
Firefighter/ Paramedic at Traverse City Fire Dept
July 25, 2019, Tyler reported directly to Ed

Ed has been an amazing mentor and leader to me from the very begining of my career! He's willing to give it all to develop, guide, educate, challenge, and most importantly patient enough to listen to any person. Anyone is lucky to cross paths with him, as he will leave you believing you can be the best you!



Richard Hollingworth
Vice President Sales
May 17, 2019, Richard worked with Ed but at different companies

Not often you start a recommendation with a comment about friendship. But Ed is first and foremast a good friend and Mentor, even though I met Ed through work, we developed a close relationship that was built on core values that I respect: A work ethic that's second to non, a level of knowledge in his respective field that he is willing to share, and a desire to improve and ask questions, Ed seeks to understand rather than to respond. When Ed talks, I listen.

As the last recommendation Ed got pointed out, I would not hesitate to hire Ed, he would be a capable and inspiring senior sales executive or Sales Leader. I would also be fortunate to work for Ed should our career paths match.



Arthur Ebel
Field Sales Manager - EMS at SSCOR, Inc.
May 16, 2019, Arthur worked with Ed in different groups

Ed is an outstanding representative of what a salesperson (Account Manager) should be and I, myself, have learned selling techniques from his example. I can see Ed advancing within his sales career and I hope to be able to continue having the opportunity to work alongside Ed as I move forward in my career endeavors. If I was a Sales Director of a company, I would hire Ed, because I know he would give 100% effort to achieving a high degree of success.



Joe Lachowski
National Park Service
January 23, 2019, Joe worked with Ed but at different companies

In addition to being professional, well spoken, smart and fun, Ed is one of the hardest working individuals I know. Once he sets his mind on a goal, he works relentlessly to accomplish it. He takes roadblocks and obstacles in stride and does not let them throw him off track. He is flexible and able to adapt and overcome on the fly.

Ed also has the gift of recognizing when others need a boost or support to accomplish their goals. An encouraging word, a funny joke, a quick on the job training or a professional invite for a valuable opportunity all seem to appear just when you need them thanks to Ed. Thanks to his efforts, I have been able to grow and develop my skills more than I could have without him. Ed is a strong and valued member of any team and will be a great benefit wherever he goes.

DRA

DONALD RAYMOND ADAMS

837 Mystic Woods Drive, Howell Michigan
donaldad@mac.com – 810.397.7551

SUMMARY

Proven and time-tested visionary leader that is humble and has effective executive leadership traits, expert abilities, ability to listen, learn, and lead to achieve competitive results - Goal focused with a track record of developing underperforming and overperforming teams, and markets to meet revenue and profitability targets - Aptitude to execute and drive team contribution from day one.

SKILLS

sales leadership; learning and adaptability; coaching and mentoring; performance management; P/L budgets; negotiations; employee engagement; strategic planning; customer engagement and retention; hiring and recruiting top talent; analytics; process improvement and development

EDUCATION

MIT Sloan School of Management
Executive Education Graduate

SIENA HEIGHTS UNIVERSITY/UNIVERSITY OF MICHIGAN
Bachelors of Applied Science – Public Safety / Public Adm

LICENSES – Paramedic, Paramedic Instructor, Firefighter, Police Motor Carrier, Death Scene Investigator

WORK EXPERIENCE

AREA VICE PRESIDENT OF SALES – EASTERN US
Sarnova / Bound Tree Medical | 2012 (2020 role) – Present

Executive level oversight and leadership of a national, market leading sales team focused on being the best partner in specialty medical equipment sales and distribution to those who save and improve patient lives. Accountable for $400M+ in sales revenue, five director level reports and six regional sales teams comprised of 53 clinical field account managers serving over 7000 high value accounts in the eastern United States. Primary customer segments include private and public Ambulance, Fire, Police, Air Medical and Hospital Health Systems.

Historical Team Achievements: Record company sales production 2021, 2022, 2023, 2024 exceeding revenue, gross profit and EBITDA four consecutive years. FY2020 – FY 2024 all teams achieving plan.

Personal Achievements: Patricia Industries Executive Development selection, Perennial President Club and Incentive Trip Winner 2020-2024, Regional Sales Director of the Year 2018, Account Manager of the Year 2015, Two-time Quarterly Sarnova Star award winner, 2015 Gilmore Award Winner. Multiple other sales and benchmark awards.

DIRECTOR OF EMERGENCY SERVICES / CLINICAL EDUCATION
McLaren Health Care Corporation | 1992 – 2012

Executive level position with fiscal and operational responsibility of six departments in one of the nation's top ten health systems. Emergency Department Education, EMS Education, Institute for Medical Simulation, American Heart Association Training Programs - ACLS/PALS/BLS, Internal Medicine Physician Education, Central Telemetry Unit and Critical Care Rapid Response Teams. Director level oversight of six managerial direct reports and multiple FTE's; responsible for quality of care and performance management.

EXECUTIVE DIRECTOR
Lapeer County EMS | 1996 – 2001

Chief Executive of a municipal owned ambulance service providing emergency medical transportation to the citizens of Lapeer County. Four director level direct reports with over 100 personnel. Lapeer County was CAAS Accredited in 2000 and was only the fifth EMS service to ever receive a perfect score with no citations or recommendations.

Brett M. Justice

1296 Daylily Dr. Holt, Michigan 48842 • (734) 637-7542 • dtfd240@gmail.com

Core Competencies

Leadership
Negotiation
Decision-Making and Problem Resolution
Customer Service
Advanced Communication
Clinical Expertise and Education
Implementation and Execution
Relationship-Building

Relevant Experience

Bound Tree Medical • Dublin, Ohio
Account Manager - Michigan *January 2024 - Present*

Utilizing the knowledge from past positions to better understand potential pain points in EMS operations and the ordering of medical supplies to better help obtain the correct solution

- Grow business through current and new customers
- Increase revenue
    - Increase of around 20%
- Increase gross profit
    - Increase of around 22%

Heart-Savers League • Holt, Michigan
Owner *October 2023 – Present*

Focusing on the education of CPR, First-Aid, ACLS, and PALS programs for medical professionals and lay public individuals in communities for better community outcomes.

- Budgeting for equipment and time management
- Building and maintaining client relationships
- Keeping up on new science for the best customer education

Delhi Township Fire Department • Holt, Michigan
Lieutenant, Paramedic I/C, and EMS Training Liaison *October 2007 – February 2024*

Experienced in influence, adaptability, data analytics, negotiations, execution of strategies, and community outreach.

- Collaborate with appropriate stakeholders to dissect data and improve customer service and patient advocacy of a diverse population
- Confer with employees and administration to assess equipment needs and training requirements
- Initiated new data collection programs and implemented change based on evidence
- Present to applicable stakeholders on emergency medical and fire service trends and needs
- Lead and inspire new and current personnel to build the best version of themselves

Lansing Community College • Lansing, Michigan

Interim Program Director/Part-Time Adjunct Faculty *August 2012 – Present*

- As the Interim EMS Program Director, I focus on many attributes to progress student outcomes:
    - Faculty management and student engagement
    - Discussion with College, State, and National Stakeholders to improve student and college growth.
    - Budget items to ensure fiscal responsibility and stay on the leading edge of new tech.
    - Organize materials for State, CoAEMSP, and NREMT reviews, visits, and approvals.
    - Continuing diversity, equality, and inclusion (DEI) into all programs.

- Skilled in learning and teaching competencies, progress reports, corrective actions, and leadership practices.
    - Produced a curriculum centered on evidence-based practice.
    - Promoting patient advocacy with unyielding ethical and moral guidelines and new methodologies to enhance student outcomes
    - Inspire change in varied student and faculty populations to support evidence-based data

EDUCATION

Columbia Southern University Orange Beach, Alabama – B.S. ORGANIZATIONAL LEADERSHIP (2021) MAGNA CUM LAUDE

Lansing Community College, Lansing, MI – A.A.S. EMERGENCY MEDICAL SERVICES (2009) MAGNA CUM LAUDE; A.A.S. FIRE SCIENCE: (2009) MAGNA CUM LAUDE; A.A.S. FIRE SCIENCE/BASIC EMT (2012) MAGNA CUM LAUDE

Daniel H. O'Brien

231.633.2334 medic77-ems@usa.net

Summary of Qualifications:

- **18 years of experience as a full-time paramedic**
- **10 years of experience as a critical care provider (Flight)**
- **7 years of experience as an active Tactical Paramedic (TEMS)**
- **5 Years of Firefighter experience**
- **EMS management experience including purchasing and budget oversight**
- **State of Michigan Paramedic**
- **State of Michigan EMS Instructor/Coordinator (Paramedic I/C)**
- **State of Michigan Fire Fighter I & II (Ret.)**

Professional Experience:

Account Manager

May 2018- Current | Bound Tree Medical | Michigan

Account Manager for EMS Equipment Distribution Company, Outside Sales.

EMS Section Chief / Director of EMS*:

Dec 2016- May 2018 | ***Blair Twp. EMS & Fire*** | ***Blair, MI***

Operational, administrative, and budgetary oversight of EMS Dept.
Paramedic Instructor/Coordinator / Department Training Oversight
Firefighter
*Title change from EMS Director to EMS Chief Sept 2017 due to department restructuring

Fire Fighter / Paramedic / Tactical Paramedic:

Oct 2012- Dec 2016 | ***Blair Twp. EMS & Fire*** | ***Blair, MI***

Fire Fighter/Paramedic for municipal EMS and Fire Dept. serving suburban and rural areas of Grand Traverse County, MI.
Tactical Paramedic for Regional Emergency Response Team. (ERT Team 2)
Paramedic Instructor/Coordinator.
Part-time 2012- May 2015 / Fulltime 2015 – Dec 2016

Flight Paramedic / Tactical Paramedic:

Feb 2013- Dec 2017 | ***North Flight EMS / NorthFlight-Aeromed*** | ***Traverse City, MI***

Member of air-medevac service providing rotor and fixed wing inter-facility critical care and 911 scene responses.
Chairperson for North Flight's Safety Program. (Jan 2014 - July 2016).
Member of North Flight's Tactical Paramedic Program.
Per diem Paramedic (July 2016 – May 2018).

Flight Paramedic:

Nov 2006 – Jan 2013 ***Airmethods/LifeNet*** ***Harris, NY & Lansing, MI***

Full-time member of air-medevac service (Rotor Wing) that provides both Inter-facility Critical Care and 911 scene response.
Safety Committee member / New Hire Preceptor / Assisted in Base Supervisor duties as needed. (Harris, NY).
Controlled Substance / Narcotic Officer. (Harris, NY).

MICU Paramedic:

July 2009 – May 2012 ***Atlantic Health System*** ***Summit, NJ***

Per Diem member of hospital based MICU program providing 911 ALS services to the Urban and Suburban areas of Northeast NJ.

Paramedic / Tactical Paramedic:

Sept 2001- July 2009 ***Mobile Life Support Services*** ***Newburgh, NY***

Member of large EMS agency providing 911 services and Inter-facility transports.
Provided ALS care in the urban, suburban, and rural areas of the Lower Upstate New York region.
Designated "Fly Car" Paramedic (Echo Response Unit).
Field Training Officer and Paramedic Preceptor.
Member of Special Operations Response Team.
Member of inter-agency Tactical EMS Team.

Paramedic:

Aug 2000 – Sept 2001 ***Tallahassee Memorial Hospital*** ***Tallahassee, FL***

Member of hospital based ALS program for the City of Tallahassee, Florida.
Designated as a "Charge Paramedic" in this high volume 911 system.

Education:

Tallahassee Community College:

Jan 1997 – Aug 2000 ***Tallahassee, FL***

Associates in Applied Science for Emergency Medical Services Program (incomplete).
First Aid, Emergency Medical Technician, and Paramedic certificate programs.

Military Service:

United States Coast Guard:

Jan 1991 - Jan 1995 (Active Duty) ***Honorable Discharge***

Avionics Technician 3rd Class (AT3).
HH60-J Flight Mechanic (Helicopter Crew Chief).
Military Based Helicopter Search and Rescue / Maritime Law Enforcement duties.
(DD-214 available on request)

Awards and Accomplishments:

- **Bound Tree Medical Account Manager of the year 2018 (Stub Year)**
- **Bound Tree Medical President's Club 2018 SY, 2020**
- **Orange County Regional Medical Center "Life Saver Award" recipient**
- **New York State Distinguished Service Award recipient**
- **2004 Orange County, NY Paramedic of the Year**

STATE OF MICHIGAN

MDHHS Michigan Department of Health & Human Services

Bureau of Emergency Preparedness, EMS and Systems of Care

PURSUANT TO ACT 368 OF 1978, AS AMENDED, THIS

INSTRUCTOR/COORDINATOR-PARAMEDIC

LICENSE

IS ISSUED TO

DANIEL H O'BRIEN

LICENSE NUMBER
1735607

EXPIRATION DATE
03/31/2026

*****THIS LICENSE IS ONLY VALID IF PROVIDER LICENSE IS ACTIVE*****

THIS DOCUMENT IS DULY ISSUED UNDER THE LAWS OF THE STATE OF MICHIGAN

THE ISSUANCE OF THIS LICENSE SHOULD NOT BE CONSTRUED AS A WAIVER, DISMISSAL, OR ACQUIESCENCE TO ANY COMPLAINTS OR VIOLATIONS PENDING AGAINST THIS LICENSE

STATE OF MICHIGAN

MDHHS Michigan Department of Health & Human Services

Bureau of Emergency Preparedness, EMS and Systems of Care

PURSUANT TO ACT 368 OF 1978, AS AMENDED, THIS

INSTRUCTOR/COORDINATOR-PARAMEDIC

LICENSE

IS ISSUED TO

BRETT MORGAN JUSTICE

LICENSE NUMBER
1601996

EXPIRATION DATE
08/31/2028

*****THIS LICENSE IS ONLY VALID IF PROVIDER LICENSE IS ACTIVE*****

THIS DOCUMENT IS DULY ISSUED UNDER THE LAWS OF THE STATE OF MICHIGAN

THE ISSUANCE OF THIS LICENSE SHOULD NOT BE CONSTRUED AS A WAIVER, DISMISSAL, OR ACQUIESCENCE TO ANY COMPLAINTS OR VIOLATIONS PENDING AGAINST THIS LICENSE

BOUND TREE MEDICAL CERTIFICATIONS AND PERMITS

The next several pages will detail our certifications and permits. We have also attached copies for your reference.

VAWD Certified State and Nationally Licensed

Several of Bound Tree's Distribution Centers have received VAWD (Verified - Accredited Wholesale Distributors) accreditation from the National Association of Boards of Pharmacy (NABP). VAWD accreditation is achieved after a criteria compliance review that includes a rigorous evaluation of operating policies and procedures, licensure verification, survey of facility and operations, background checks and screening through the NABP Clearinghouse. Our accreditation demonstrates that we are following state and federal laws and that our prescription drugs are distributed safely and securely.

For a complete listing of VAWD-Accredited Facilities, please visit:
www.nabp.net/programs/accreditation/vawd/vawd-accredited-facilities

Compliance with DSCSA Requirements

Under the Drug Supply Chain Security Act (DSCSA), entities in the supply chain including manufacturers, wholesale distributors, and dispensers have responsibilities to meet the requirements of the DSCSA. As of May 1, 2015, all wholesalers are required by law, under the DSCSA, to provide transaction information, transaction history and transaction statements for the pharmaceuticals that they supply.

Bound Tree is compliant with these FDA standards which helps improve patient protection by preventing the distribution of substandard or ineffective drugs and while providing our customers with the product and transaction information they need to be in compliance with the FDA standards.

Under the DSCSA you are responsible for knowing that your prescription drug wholesale distributor is an authorized trading partner who holds a valid state or federal license. Bound Tree Medical is licensed federally and in all 50 states. Purchasing from a licensed and VAWD accredited distributor like Bound Tree Medical makes great strides to ensure none of your purchases will ever be counterfeited, contaminated, improperly stored and transported, ineffective, and/or unsafe.

Wholesale Distributor licenses can be searched online:
www.fda.gov/Drugs/DrugSafety/DrugIntegrityandSupplyChainSecurity/ucm281446.htm

Controlled Substance Ordering System (CSOS)

Class II Controlled Substances can be ordered through our secure electronic Controlled Substances Ordering System (CSOS) without the supporting paper DEA Form 222! The DEA's CSOS program is the only allowance for electronic ordering of Class II controlled substances. To participate in CSOS, the DEA registrant must first acquire a CSOS digital certificate from the DEA. Once the certificate is received, Class II orders can be placed through our secured website: e222.boundtree.com.

For more information about CSOS please visit: www.deaecom.gov

Bound Tree will continue to accept paper 222 forms for those who wish to utilize that method for ordering.

LEGAL STATUS BIDDER

Fill out the appropriate section below for your company and strike out the other three. Provide additional sheets if more space is needed for your responses.

Corporation:
State and County in which incorporated: _____

Official title of person signing proposal: _____

Address of signer: _____

Full names, addresses and titles of all the corporation's directors and officers:

_____

_____

_____

Partnership:
State and County in which established: _____

Official title of person signing proposal: _____

Address of signer: _____

Full names, addresses and titles of all partners:

_____

_____

_____

Limited Liability Company (LLC):
State and County in which established: Ohio, Franklin County

Official title of person signing proposal: _____

Address of signer: 5000 Bradenton Ave, Dublin, OH 43017

Full names, addresses and titles of all members and managers of the LLC:

Brian LaDuke, CEO - 5000 Bradenton Ave. Dublin, OH 43017

Rob Meriweather, President, EP - 5000 Bradenton Ave. Dublin, OH 43017

Shawn Saylor, Treasurer-5000 Bradenton Ave. Dublin, OH 43017

CITY OF FARMINGTON HILLS
DEPARTMENT OF CENTRAL SERVICES
PURCHASING DIVISION

31555 ELEVEN MILE ROAD
FARMINGTON HILLS, MI 48336-1165
www.fhgov.com

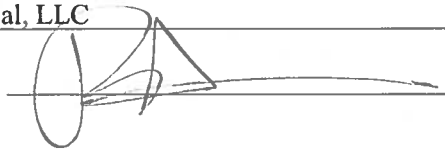
PHONE 248-871-2435

NON-IRAN LINKED BUSINESS CERTIFICATION

Pursuant to Michigan law before accepting any bid or proposal or entering into any contract for goods & services with any prospective firm, the firm must certify that it is not an "Iran Linked Business".

By signing below, I certify and agree on behalf of myself and the company submitting this bid the following: (1) that I am duly authorized to legally bind the company submitting this bid; and (2) that the company submitting this bid is not an "Iran Linked Business," and that term is defined in section 2€ of the Iran Economic Sanctions Act, being Michigan Public Act No.517 of 2012; and (3) That I and the firm submitting this proposal will immediately comply with any further certifications or information submissions requested by the City in this regard.

Company Name: Bound Tree Medical, LLC

Authorized Representative Signature: 

Printed: Rob Meriweather

Date: 12/02/2025

CITY OF FARMINGTON HILLS
DEPARTMENT OF CENTRAL SERVICES
PURCHASING DIVISION

31555 ELEVEN MILE ROAD
FARMINGTON HILLS, MI 48336-1165
www.fhgov.com

PHONE 248-871-2435

VENDOR QUESTIONNAIRE

Please give the following information regarding your proposal for this bid:

1. Name of Company Bound Tree Medical, LLC

2. Number of years' experience in this work: 47 years

3. List the Fire Departments that you have contracted with for this type of work during the past three (3) years.

   Name: City of Columbus Division of Fire Contact Person: Jessica Barnhard, Medical Supply Specialist

   Phone #: 614-616-4699 E-mail address: Jbarnhart@columbus.gov

   Name: Priority Ambulance Contact Person: Charlene Sifford, Director Global Purchasing

   Phone #: 865-440-0996 E-mail address: csifford@priorityambulance.com

   Name: Baltimore City Fire Department Contact Person: Lieutenant Jerami Bennett

   Phone #: 410-396-2718 E-mail address: Jerami.Bennett@baltimorecity.gov

4. Name of your bank and other financial references:

   JP Morgan Chase

5. List states and categories in which your organization is legally qualified to do business. Indicate registration or license numbers, if applicable.

   a. pharmaceuticals, licensed to sell controlled substances in all 50 states, DEA - RB0351700

6. Have you ever failed to complete any work awarded to you? No

   a. If so, note when, where and why?

7. Within the last five years, has any officer or partner of your organization ever been an officer or partner of another organization when it failed to complete a contract? No

   a. If so, where and why?

8. Please list total number of employees (part time and full time) your company employs

Total Company part time _____ & full time 300

9. Please list total number of Southeast Michigan employees (part time and full time) your company employs and the number of southeast Michigan based warehouses and employees the company operates that will service this contract.

Total Southeast Michigan part time _____ & full time 3

10. Please list the location of warehouses or store fronts that will service this contract.

Warehouse and/or store front location(s) Primary warehouse would be Elizabethtown, PA and the secondary would be Greenwood, IN. Bound Tree Medical, LLC has multiple sales representatives who who live in Michigan and the surrounding states.

11. Please list the names and qualifications of the representative(s) who will be assigned to this contract. Please include numbers of years with your company, experience and training/education.

12. Please include a detailed list of contacts with phone & email including inside sales, service & accounts receivable).

William Waite - william.waite@boundtree.com, 810-588-3424

Edward Draper - edward.draper@boundtree.com, 313-919-0270

Donald Adams - donald.adams@boundtree.com, 810-444-1317

Heather Legg - heather.legg@boundtree.com, 614-760-5179

Customer Service - customerservice@boundtree.com, 800-533-0523

13. Vendor(s) must have a distribution model capable of delivering products statewide and a demonstrated sales presence within the state of Michigan.

Does your proposal comply? Yes_X_ No ____

14. Vendor (s) must have supplied products for public emergency response agencies, or commercial customers of similar size.

Does your proposal comply? Yes_X_ No ____

15. Vendor(s) should be able to provide the full range of supplies and equipment to meet the demands of all Agencies that participate in the cooperative purchasing program.

Does your proposal comply? Yes_X_ No ____

16. Generally describe your company's customer service strategy.

Bound Tree Medical, LLC has a dedicated team that processes all incoming orders as well as a group of customer service representative's answering phone calls to accept orders and answer questions. We have a deep commitment to help those that helps others, which is why customers have access to real-time pricing and stock availability 24 hours a day, 7 days a week. We strive to be the absolute best partner to our customers with the aim of doing whatever we can to make your lives easier. We do have a option to have subscription orders set up on the website.

17. Provide a detailed overview of your ordering process. This overview will include information on how your company will handle orders as listed in section 34. It will include information of how to place said orders, delivery and any info on web order placement.

Orders may be submitted via phone 800-533-0523, fax 800-257-5713 email customerservice@boundtree.com, on the web www.boundtree.com. Accounts can be made online and is where you can place orders, review order history, and run purchase summary reports when it is convenient for you. We do have the option of subscription orders set up on the website.

18. Provide information on your companies stocking capabilities.

Bound Tree Medical, LLC proudly has 5 warehouses located nationwide with full capabilities to receive, store and ship. We have a demand planning system to ensure products are delivered on-time.

19. Describe methods used to control and manage entity inventory. Include information on how your company manages obsolete items held by the entities.

Bound Tree Medical, LLC defines an item to be obsolete when there has been no movement for two years. Once an item's sales have begun to decrease or slow down, the buyer may reach out to the vendor for a product return. If fees are assessed, Sarnova will absorb these costs for shipping and restocking.

20. Provide information on any additional discounts, purchasing incentive programs, or rebates your company offers. This can include be, but is not limited to, additional discounts based on volume increase, a Core Item usage incentive/rebate, an Internet usage incentive/rebate, a green delivery incentive/rebate or a volume incentive/rebate.

Additional savings can be realized with the purchase of UCapIt machines and Operative IQ software.

21. Provide information on added value opportunities that your company may offer. This can include but is not limited to training for new for products, hosting educational meetings for agency employees, providing leased equipment, etc.

Bound Tree Medical, LLC provides free CEUs at www.BoundTreeUniversity.com

22. Is your Company willing to extend pricing and terms given to the agencies listed in this agreement to other local entities which are part of our purchasing cooperative?

Yes_X_ No ____

If "Yes" please complete the extension information below:

EXTENSION OF AWARD TO THE MITN PURCHASING COOPERATIVE

_____ is a member of the MITN
(Person, City, Township or Entity will fill in)

Purchasing Cooperative. If your company is awarded an items or a completed contract, the cooperative governmental entities may wish to use this contract and will use a purchase order or contract for any or all the item(s) awarded following minimum order/contract requirements set forth in the bid documents. Each entity will provide their own purchase order or contract and must be invoiced separately to the address indicated on the purchase order/contract.

If an award is made to Bound Tree Medical, LLC **, it is agreed that**
(Company)

The contract will be extended to any entity in The MITN Purchasing Cooperative under the same prices, terms, and conditions.

SHIPPING AND PRODUCT AUTHENTICATION

All orders are picked via Company pick ticket, which is used for quality, accuracy, customer verification and documentation.

Product with expiration dates are picked to ensure that product with the closest expiration date is shipped first ("first-expired/first-out" = FE/FO).

When the product is identified and picked, the picker verifies the product label against the pick ticket. This verification includes but is not limited to the following:

- Product item number, description, and NDC number.
- Product expiration date is verified as more than six (6) months remaining or per customer requirements.
- Product lot number or serial number.
- Unit of measure that has been ordered (example: each, case).

During the picking process, the product is carefully inspected for identity and to ensure the product has not been damaged, stored under improper conditions or has expired. After the order is picked, a quality check is performed to ensure that the following are accurate

The packing of product step is to ensure that the goods arrive to the customer without damage or any other integrity issues.

The packing process include the following factors:

- Verify product for accuracy.
- Ensure items are securely placed in proper shipping container.
- Ship product/order to customer via common carrier.

PRODUCT VERIFICATION

- Items ready for packing and shipping shall be inspected to verify that the proper product is being shipped, that the expiration date has not passed and that it is not damaged or has been held under improper conditions.
- Items shall be shipped in the original manufacturer cartons when appropriate. If items are repacked, proper cartons and packaging materials shall be used to minimize the chance of breakage or other damage to the contents.

SHIPPING PROCESS

Product is shipped by common carrier or may be shipped via a Company delivery vehicle.
All shipments of prescription products require signature by the customer upon delivery.
Prior to shipment/distribution, all outgoing shipment, specifically but not limited to prescription drugs, must be carefully inspected to verify identity and to ensure that there is no damage or product held under improper conditions.

DELIVERY OF PRODUCT AND SERVICES

Bound Tree Medical will be able to provide immediate access to medical supplies as required. There will be no delay in providing high-velocity items right away.

The only foreseen factors that could possibly inhibit or delay delivery of medical supplies are:

- Manufacturing Backorders: The local Bound Tree Account Manager will keep you completely apprised of any backorder situation, existing or imminent. As Chandler is acutely aware, this has recently been the case with pharmaceutical items. We will keep you constantly aware and offer alternatives when available. As allocation schedules are different for every distributor, we definitely understand you seeking these goods elsewhere, but hope that you will purchase from Bound Tree when able.
- Manufacturing Contracts: Bound Tree Medical has agreements with the large majority of EMS supply manufacturers. In the event that Chandler requires a specific manufacturer with which we do not have a relationship, we will attempt to effect an agreement with that manufacturer.
- It has been our experience that these sorts of situations arise infrequently. However, should Bound Tree Medical not be able to mitigate these circumstances, we definitely understand you seeking these goods elsewhere.
- In the event of backorders, Bound Tree Medical's system will automatically look to ship product from an alternate distribution center where available.
- In the event of manufacturing contract issues: Bound Tree Medical will attempt to establish contracts with manufacturers used by Chandler. In the event we cannot come to an agreement with a desired manufacturer, Bound Tree will offer alternatives, and will certainly understand if Chandler desires to seek elsewhere.

CUSTOMER SERVICE APPROACH

BTM recognizes that time is of the essence to our emergency care customers. Generally, orders received and processed before 2:00 pm local item are shipped the same day. We have a dedicated team that processes all incoming orders as well as a group of Customer Service Representative's answering phone calls to accept orders and answer questions.

CUSTOMER ADVOCACY

The Customer Advocacy Program is a program where advocates review transactional data but with the customer lens. We call it a white glove service or extra tier of dedicated customer service. As an advocate customer, an assigned staff member will review the customer fill rates, what is available, what is shipping from alternate locations and work closely with the buyers to ensure inventory availability wherever possible

to fulfill the customer's need. The Advocate will then generate reports for review on Bound Tree performance in additional areas such as holds applied to orders and timing / accuracy of the customer order; if errors are found, they will find why and help to remove the challenges. The final metric we look at as an advocate is of the total lines ordered what percent did we ship complete same day from the customer's default warehouse.

OVERVIEW OF BOUND TREE'S ORDERING PROCESS

Orders may be submitted via the below methods:
Phone: 800-533-0523
Fax: 800-257-5713
Email: **customerservice@boundtree.com**
Web: **www.boundtree.com**
Please find additional Customer Service and ordering information at the end of this tab

DELIVERY AND ARO

Below are the standard delivery methods that will be employed by Bound Tree Medical to support an award from Farmington Hills. The Standard delivery days is provided assuming receipt of order is placed prior to 3:00 p.m. EST. Each day, placing orders prior to 3:00 p.m. EST. Helps to ensure that they are placed into fulfillment same day.

Standard Delivery

Small Parcel

- Delivered by FedEx Ground
- Standard delivery from primary warehouse is 1-2 day

LTL Freight

- Delivered by R& L Carrier
- Standard delivery from primary warehouse is 1-2 day

Expedited Delivery

Small Parcel

- Delivered by FedEx Next Day
- Additional costs are dependent on actual dimensions and weight of cartons shipped

LTL Freight

- Delivered by R& L Carrier
- LTL –Next Day

On Time Delivery

Below are the standard on-time delivery and stock-out data from contracts or customers of similar size and scope to Chandler Supplies bid.

On Time Delivery rates
FedEx Ground - 98.5% on time
LTL via RL Carrier - 98.1% on time

STOCKING CAPABILITIES AND INVENTORY CONTROL METHODS

STOCKING CAPABILITES

- 5 warehouses located nationwide with full capabilities to receive, store and ship
- Same or next day shipping availability on stocked items.
- Climate controlled storage capabilities.
- Well-stocked inventory for customer's needs, including safety stock for any emergency and un-forecasted requirements
- Bulk storage available
- In the event of an emergency or natural disaster, multiple locations are licensed to ship to all states as an alternative to the primary shipping warehouse.

  Inventory Control Methods
- Establish monthly usage to determine stocking policies (order point or buy to order)
- Maintain an inventory/demand planning system that is driven by analysis and forecasting by buyers.
- Demand planning system utilizes lead times and safety stock levels to ensure product delivers before it is needed so items arrive in time for use.
- Ability to drop ship orders direct from manufacturer

MANAGEMENT OF OBSOLETE ITEMS

Bound Tree Medical defines an item to be obsolete when there has been no movement for two years. Before an item is considered obsolete, it is first deemed "excess" inventory. This inventory is reviewed in the overall network and then broken down to see if there is usage in any particular warehouse where product can be transferred. Once an item's sales have begun to decrease or slow down, the buyer may reach out to the vendor for a product return. If fees are assessed, Sarnova will absorb these costs for shipping and restocking. If an item becomes obsolete then it will go through an internal workflow process.

PROCESS OUT OF STOCK/BACKORDERED ITEMS

Information describing the process for out of stock/back-ordered/extended ship times items is illustrated below. Please note screenshots from our website illustrating the automated communications received through our online ordering system.

Based on feedback from our customers, we have enhanced our transactional communication over the past year. Although we have always provided some level of notification to our customer, the amount of information and scope of customer we send it to has been expanded.

Some of the key changes/enhancements we have rolled out in FY18 are:

- Added ETAs for backordered items
- Added tracking numbers on all shipments
- Photos of products in all order communication emails
- Backorder notifications sent weekly if changes occur in original ETA
- Shipment notification and backorder notification for all order types, not just web
- Timing of shipment notification changed to coincide with actual shipment rather than invoicing

The following highlights automated email notifications you will receive:

- Order Confirmation – acknowledges receipt of order, confirms lines
- Order Status – sent within 20 minutes generally, shows inventory status including ETAs for backorder, shipping location, etc.
- Shipment Notification – sent nightly for shipments made that day and includes tracking number that link directly to FedEx
- Backorder Update Notification – sent weekly for any back order with changes in original ETA

Below are examples of automated email notifications and communications.

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BTM Customer Order Communications
Order Status Notification

Bound Tree

Your Order Status

We are working to fulfill your order now!
Below is a summary of items allocated to your order.

If you have questions regarding the status of your order, please contact Customer Service at 800.533.0523 or email CustomerService@BoundTree.com

We'll send you a shipment notification email once your order has been shipped.

Please note: The item(s) you have ordered have been allocated to your order through our order-fulfillment system. Item allocation is subject to change. Items may ship from multiple warehouses. This email was automatically generated.

Order Information:
Account Number: 202277
Order Number: 38710598
Order Date: March 20, 2018
PO Number / Order Reference:

Ship to:
JESS
14 CORPORATE DR
HALFMOON, NY 12065-8607
US

Bill to:
TROY AMBULANCE SERVICE INC
PO BOX 438
ACCTS PAYABLE
COHOES, NY 12047-0438
US

Shipping Method: >$150 NO FRT

Drop ship – Item(s) will be shipped directly from the manufacturer
Long-term backorder – Item is currently on a manufacturer backorder. We will ship your item(s) once it's available for distribution.
Temporarily out of stock – This item is not currently in stock. We will ship your item(s) as soon as the product becomes available to us.

Remaining Items:



Item #: 660-05
Metoprolol, 5mg, 5mL Vial
By: OTHER MANUFACTURER

UOM	Qty Ordered:	Qty Allocated:	Qty Remaining:
BX	2	0	2

Out of Stock - Ready to ship in 1-2 months



Item #: 0593-03
Glucagon Kit 1mg contains 1 vial of 1mg Glucagon and 1 vial of 1ml Sterile Water. Glucagon is in powder form in a 1mg vial along with 1ml of sterile water for reconstitution
By: OTHER MANUFACTURER

UOM	Qty Ordered:	Qty Allocated:	Qty Remaining:
EA	1	0	1

Out of Stock - Ready to ship in 1-2 weeks

Allocated Items:



Item #: 2113-10240
Endotracheal Tubes, Cuffed w/Stylet, 4.0mm
By: CURAPLEX

UOM	Qty Ordered:	Qty Allocated:	Qty Remaining:	Allocated Location:
BX	1	1	0	Elizabethtown, PA

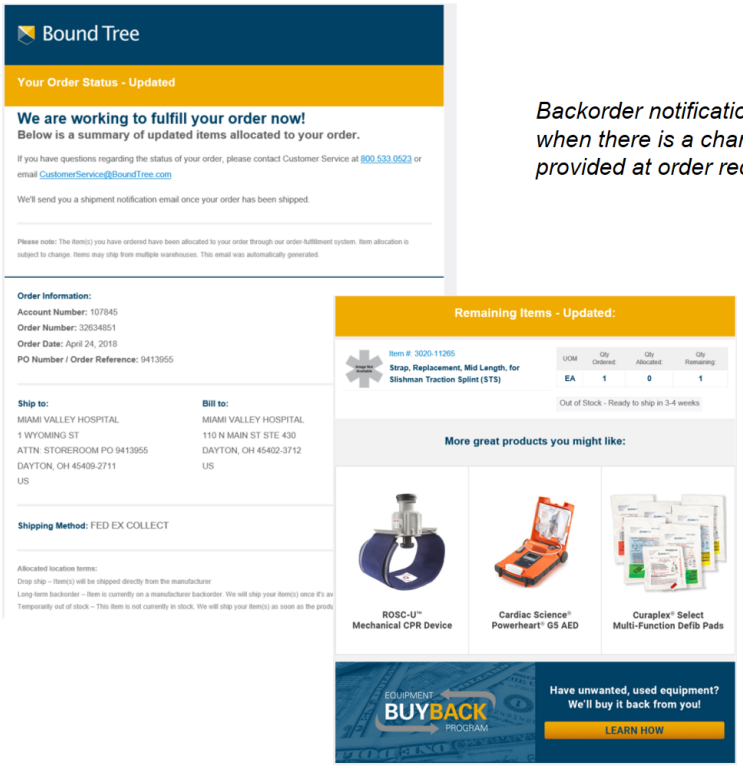


Item #: 2113-10250
Endotracheal Tubes, Cuffed w/Stylet, 5.0mm
By: CURAPLEX

UOM	Qty Ordered:	Qty Allocated:	Qty Remaining:	Allocated Location:
BX	1	1	0	Elizabethtown, PA

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BTM Customer Order Communications
Backorder Notification



Backorder notifications are sent when there is a change to the ETA provided at order receipt

Self-Service Account Management Features

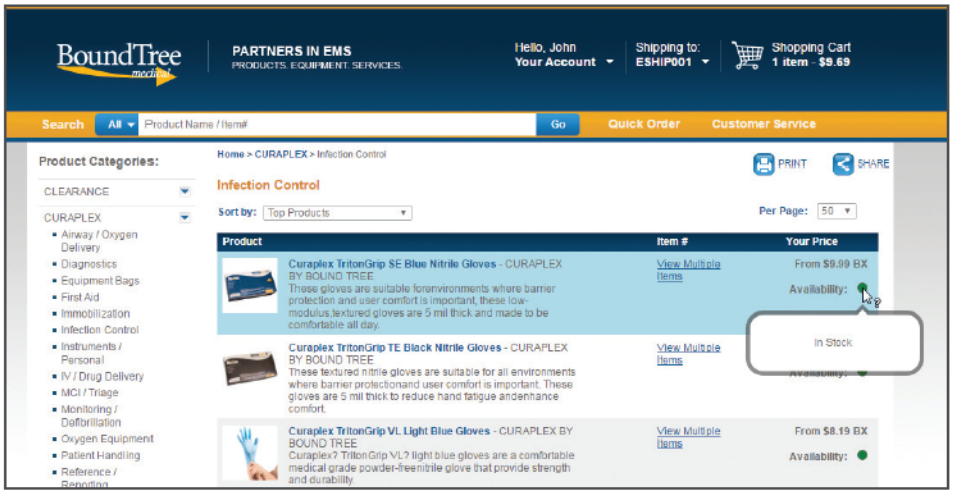
- Enhanced Account Dashboard – Convenient location and display of order history, supply lists, reports and account-specific info makes checking-up on an account's activity easier
- Improved Supply List Usability – Supply lists are sharable between individuals within an account, making it easier for you and the account to set them up and use
- Account Customization – Now available to all on request, customers can set quotas, par levels and permissions at ship-to level and even create custom catalogs, to truly customize their web ordering processes
- Check-Out – Now four easy steps all on one page, so customers can check-out more quickly
- Mobile Responsive – The site now displays effectively on small mobile devices for ease of anywhere shopping/ordering, even when out on a run
- Onsite HELP – The Help section of the site provides easy to view, self-help guides on website functionality

Enhanced Search and Product Details

- Faceted Search – This feature gives you the ability to narrow down searches with criteria to find items more quickly
- Product Comparison – Easy way to compare up to four items, displaying product features side-by-side to aid in product selection
- Product Photos – We've provided more and larger product photos to make identifying and selecting items more visual
- Product UOM – UOM is now clearly identified and selectable for each product, leading to fewer ordering mistakes!
- Product Info – Robust product descriptions, additional flyers and videos are added to the product pages, with related accessories and replacements listed on the product page for ease of shopping
- Product Availability – Inventory status displays wherever the product is shown on the site and customers are promoted to log in to see their availability

Below is a detailed illustration on how our product availability works on our website.





BOUND TREE MEDICAL WEBSITE & ACCESS

www.boundtree.com

Farmington can link to their account by registering and selecting “already have an account”. Enter their Account Number and Billing Zip Code. Registering will allow you to see your pricing and stock availability.

The Bound Tree website gives you full control over your account. You can place orders, review order history, and run purchase summary reports when it is convenient for you. You can also easily access the items you order most frequently by utilizing supply lists, saved carts or previously ordered items. These features make your online shopping experience quick and easy.

We want to make your online shopping experience even easier! Utilize our inventory status feature to see product availability before you place your order.

Customer Service and Ordering



Bound Tree Medical is focused on providing service to meet the needs of our customers throughout the United States. We have a deep commitment to help those that help others. The specialized market that we serve drives us to create the best possible solutions for our customers. We are here to serve you.

Our nationwide toll-free Customer Service line is 800-533-0523. Bound Tree Medical routes calls by origin of the zip code of the caller which, results in more customer awareness among those agents responding to customer calls.

There are a variety of methods to place orders and verify pricing:

1) Internet: Customers have access to real-time pricing and stock availability 24 hours a day, 7 days a week. www.boundtree.com
2) Email: Orders may be emailed to customer service at customerservice@boundtree.com.
3) Phone: Our dedicated team of customer service representatives can answer questions or take your orders from 7:30 AM to 8:00 pm EST.
4) Fax: Our nationwide toll-free fax line is available 24 hours a day at 800-257-5713.
5) Mail: Orders may be mailed to our corporate office. An order form is included in the back of our catalog for convenience.

The Customer Service Department is comprised of 45 staff members. Customer Service Representatives respond to inbound calls and make outbound calls to customers to provide information regarding product availability, shipment and delivery schedule changes. These same representatives are available to answer questions about shipments or process returns when necessary.

If an item goes onto a long-term backorder, Bound Tree will work to find equivalent substitute items for the backorder. If it is the customer preference to approve all substituted items, Bound Tree Customer Service will seek approval prior to shipping sub items.

Bound Tree Medical allows customers to purchase on open account. The proper account application must be completed and submitted. Bound Tree Medical will assign an account number to each application. Each account has one billing/payables address but may have several shipping/receiving addresses.

Customers may purchase by Master Card, VISA, Discover or American Express. Prepaid orders are also accepted.

Boundtree.com Overview

The Bound Tree website offers advanced ordering and account management features to help you easily manage your supplies 24/7 via desktop, phone or tablet. Your Account Manager and Customer Care representative can provide training and help you get set-up to utilize these robust site features to save you time:

Shopping/Purchasing

- **Mobile Responsiveness** – The Bound Tree website is fully responsive to any size media screen making it easy for you browse and purchase directly from your tablet or phone.
- **Search** – Search by item number or key word. The filtered search option allows you to narrow down your search by selecting multiple criteria like manufacturer, price, color, size, and more.
- **Product Pages** – Robust product descriptions, large photos, specification charts, videos and downloadable collateral provide details on products so that you can make informed decisions.
- **Product Availability** – Log in to see real-time inventory status on products throughout the site.
- **Product Comparison** – Easily compare product specifications for up to four products by clicking on the compare box next to any product listing.
- **Supply Lists** – Supply Lists allow users to access quickly the products they need to order with only a few clicks. When signed in, Supply Lists can be created easily from the Supply Lists page, a product detail page, the Quick Order form, or the Shopping Cart or simply upload a list. Denote your favorites for quick access and share lists with other users in your account.
- **Quick Order** – Quick Order enables you to order items quickly by simply entering a Bound Tree item number and quantity into a form.
- **Browsing History** – Signing into your account allows you to track and view the last 5 products that you looked at.
- **Checkout** – Checkout is just four easy steps on one page, so you can check out more quickly.

Account Management

- **Account Dashboard** – The Account Dashboard is home to your account information and settings. Access the things you care about most, like the status on your most recent order, your outstanding balance, and your favorite supply lists, quickly in one location.
- **User Management** – Add or remove users to your account, change permissions, and enable or disable your account registration access.
- **Order History and Invoices** – View and search order invoices from your Order History reports.
- **Saved Credit Cards** – Saved credit cards allow you to select a saved card during checkout rather than retyping your information every time you checkout.
- **Saved Carts** – Items added to your Shopping Cart will be available from any computer that has been signed in to your account.
- **Quotes** – View available product Quotes from your Account Dashboard.
- **Download as Quote** – The download as a quote feature allows you the ability to download your cart as an Microsoft Excel file and easily send the file to your Account Manager for a quote or use it internally to get a purchase order created within your organization.
- **Previously Ordered Items** – View, search, or add Previously Ordered Items directly to your Shopping Cart or Supply List.
- **Tracking Information** – Look at the tracking information on your orders so that you know when to expect them to arrive.
- **Reports** – View or download customized reports, such as Purchase Summary, Purchases by Month, Backordered Items, DSCSA Transactions and more.

Account Customization

- **Custom Categories** – Set-up and display your own custom categories for your users only.
- **Quotas** – Quotas are a quantity budget that allow organizations to cap the number of products user accounts can purchase in a certain period.
- **Par Levels** – Par levels allow organizations to set what quantity level their organization must keep in stock at all times.
- **Purchase Requests** – Send the contents of your Shopping Cart to other members within your organization for approval to purchase.
- **Replenishment Orders** – Replenishment Orders allow you to schedule regular deliveries of your favorite supplies and eliminate the need to frequently place the same order. You control how frequently the order is replenished and we take care of the rest.

Help and More Content

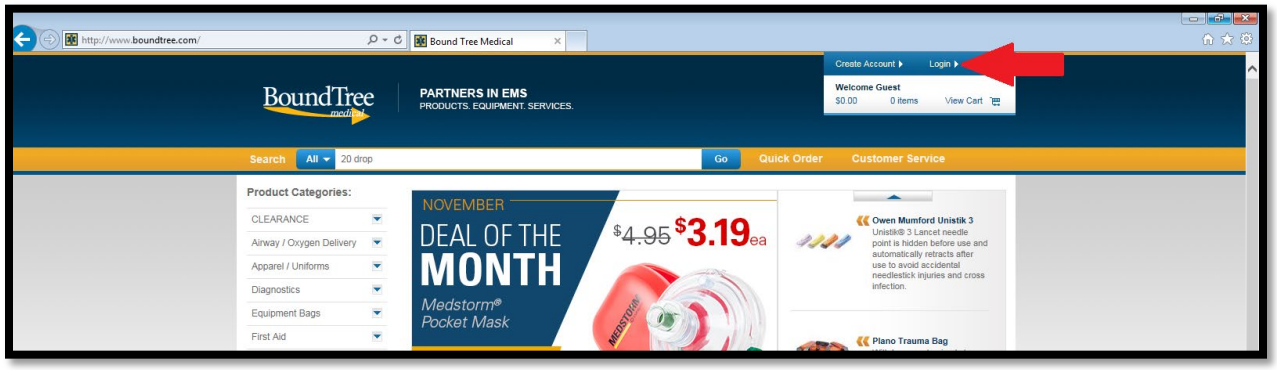
- **Online HELP** – Easy to view, how-to guides on website functionality located on the site for your convenience.
- **Online Catalogs** – View, download or request a printed catalog online.
- **Bound Tree University** – Bound Tree University is an educational resource located on the site that features free CEUs, articles, and videos on topics like cardiac care, sepsis detection, mass casualty incidents, and many more.

EMS SUPPLY ORDERING PROCEDURE

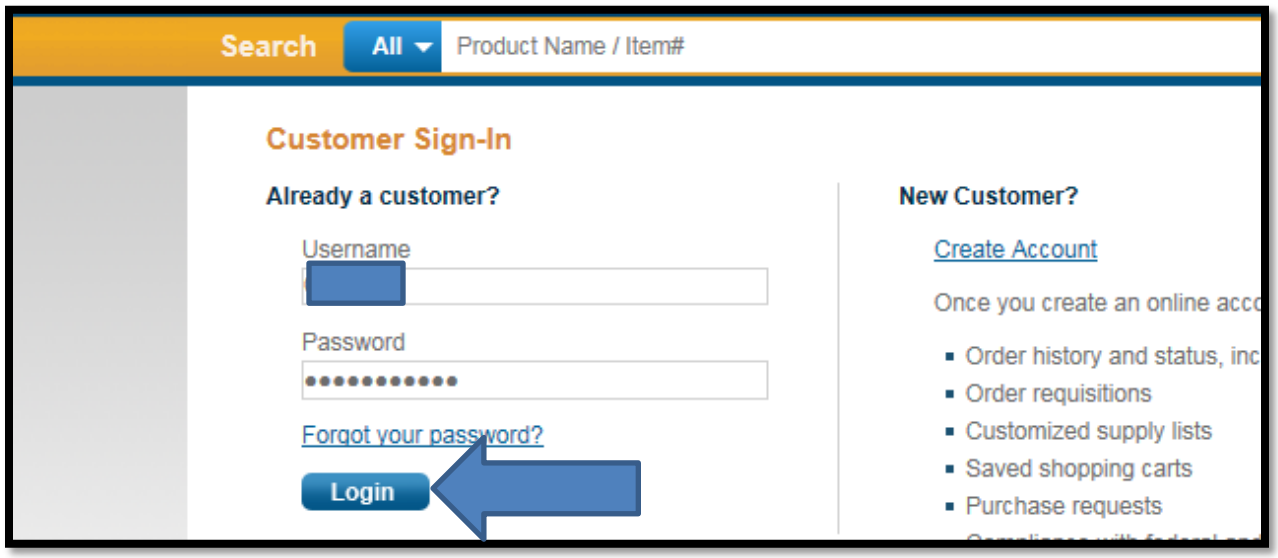
In an effort to simplify the ordering process, stations will now order most of their EMS supplies through the Bound Tree + website. The new ordering site is very similar to what we have been using and is accessed from the same login page on Bound Tree's site.

Placing a Weekly EMS Supply Order

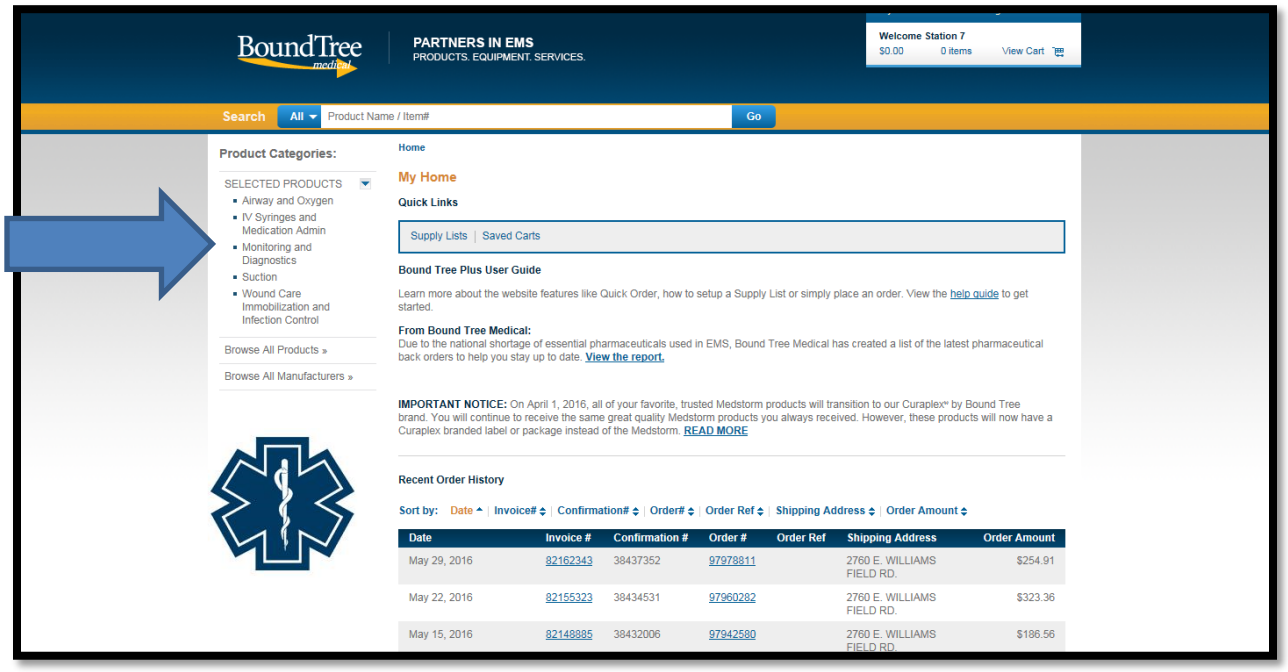
Open http://www.boundtree.com and select "Login" towards the top right of the screen.



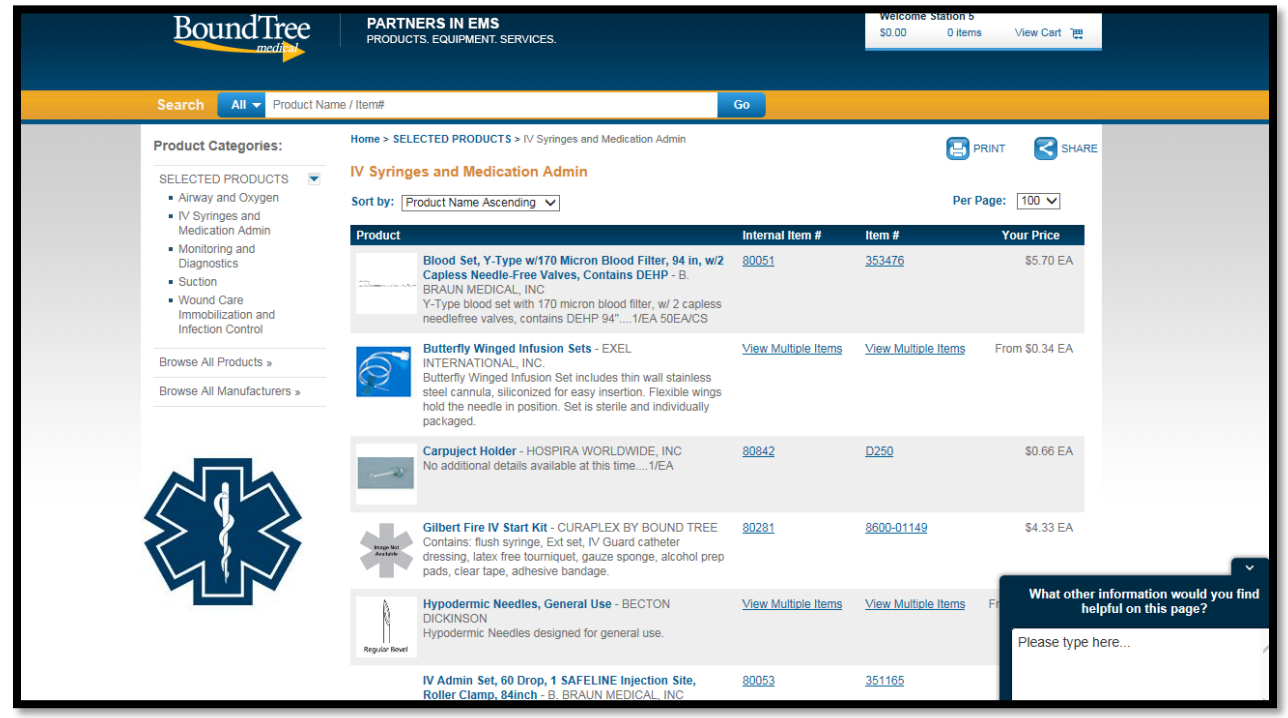
To login enter a Username and Password and hit the Login button. The Username is specific to the station you are ordering from, for example, for **********, for ********* "**********". The password for all stations is now "**********".



The supply lists are now located on the left side of the ordering screen and are very similar to the previous lists. Click on the desired category to see the items available.



Once a supply list is open, scroll down to find the desired item and click on it to open.



If the item you selected is available in different sizes such as IV catheters, you will see them listed and you can enter the desired quantity for each.



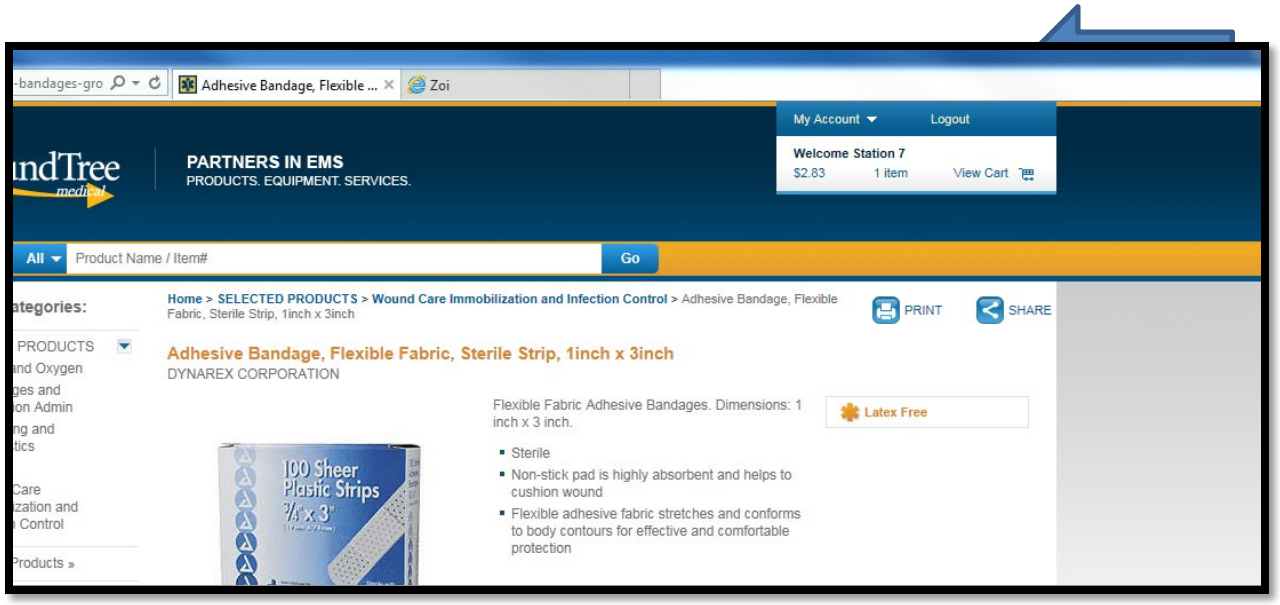
PLEASE NOTE: *In some instances, product photos may vary from actual product models, sizes and/or colors listed below.*

Product Usage Information *(Last Updated: 6/12/2016)* More Usage Reports

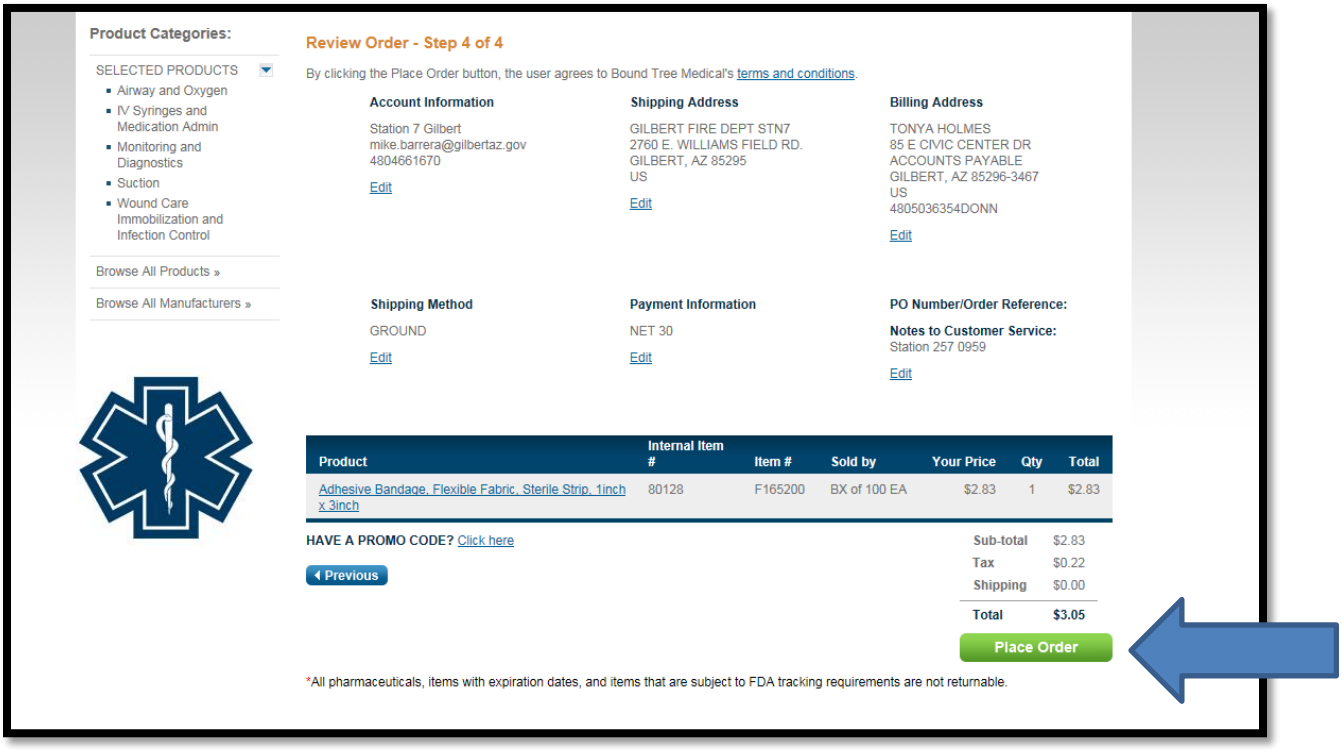
Internal Item #	Item #	Ordered this month	Ordered this year
80064	353063	1	5
80063	353060	4	50
80062	353066	0	0
80061	353065	0	0
80060	353062	1	15
80059	353068	0	12

Product	Internal Item #	Item #	Sold by	Your Price	Qty
Protectiv Plus IV Catheters, 24ga x 3/4inch	80064	353063	EA	$2.12	0
Protectiv Plus IV Catheters, 22ga x 1inch	80063	353060	EA	$2.12	0
Protectiv Plus IV Catheters, 20ga x 1 1/4inch	80062	353066	BX of 50 EA	$106.20	0
Protectiv Plus IV Catheters, 18ga x 1 1/4inch	80061	353065	BX of 50 EA	$106.20	0
Protectiv Plus IV Catheters, 16ga x 1 1/4inch	80060	353062	EA	$2.12	0
Protectiv Plus IV Catheters, 14ga x 1 1/4inch	80059	353068	EA	$2.12	0

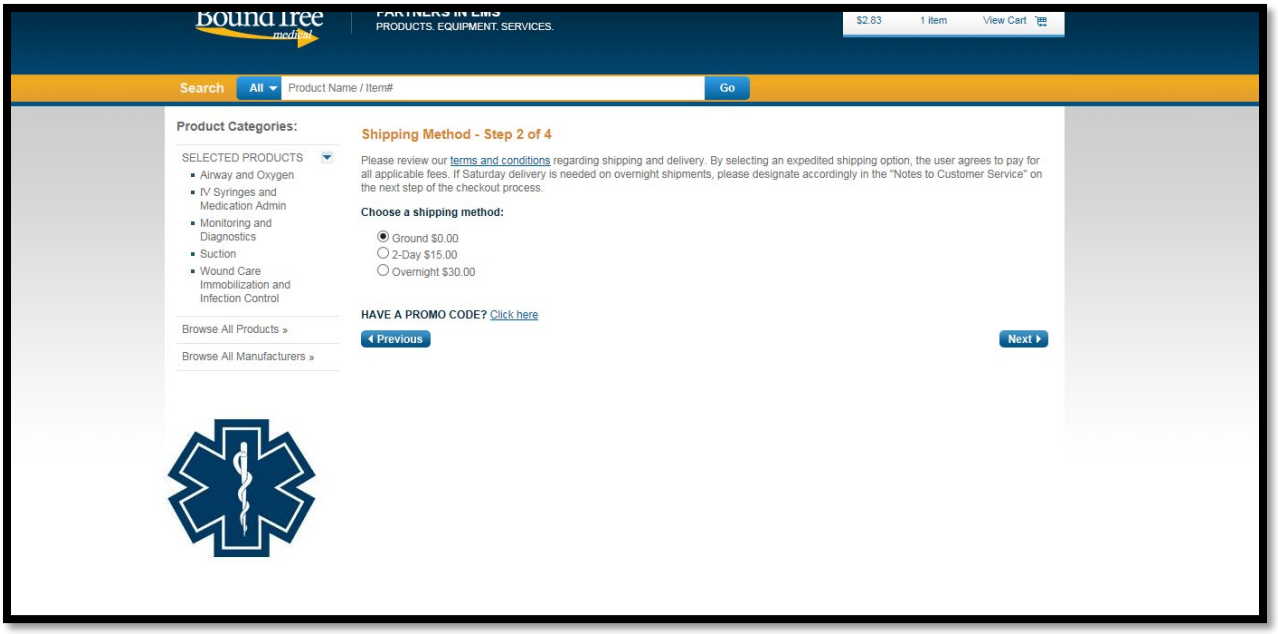
Repeat the same procedure for each Supply list until all items are in the cart. When you are ready to place the order, select “View Cart”.



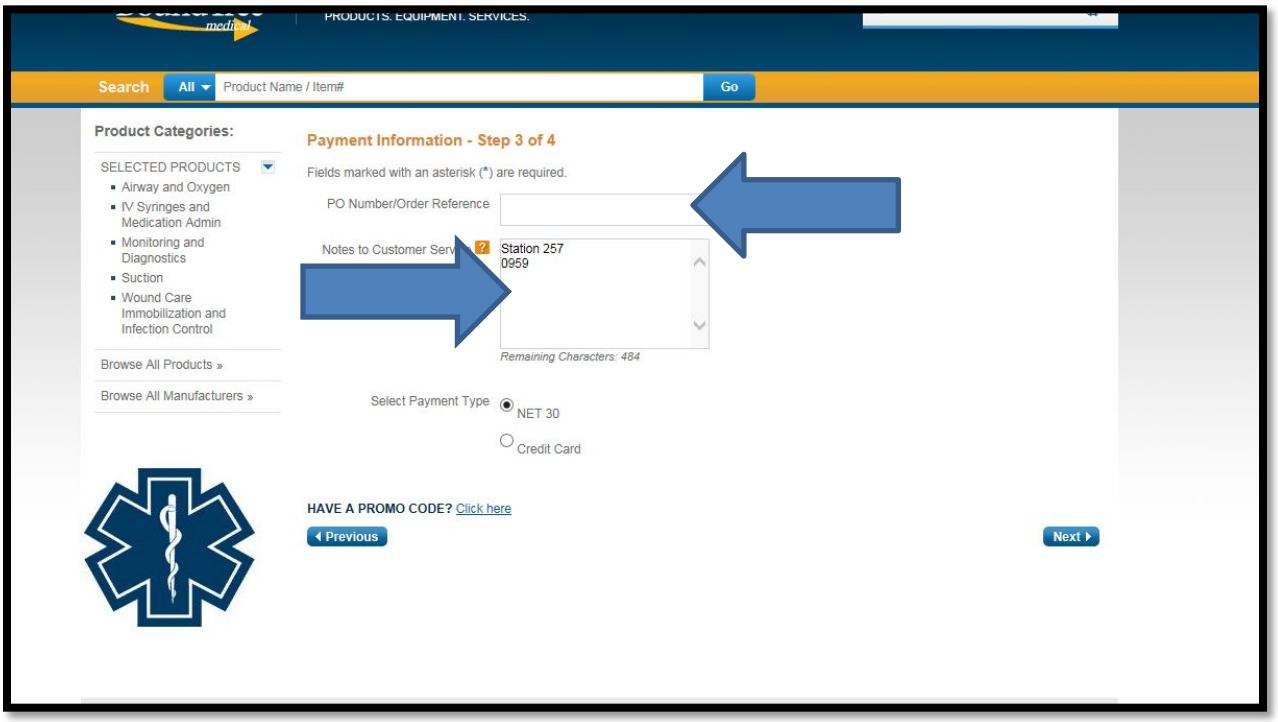
You can review your order one last time and then click “Place Order”.



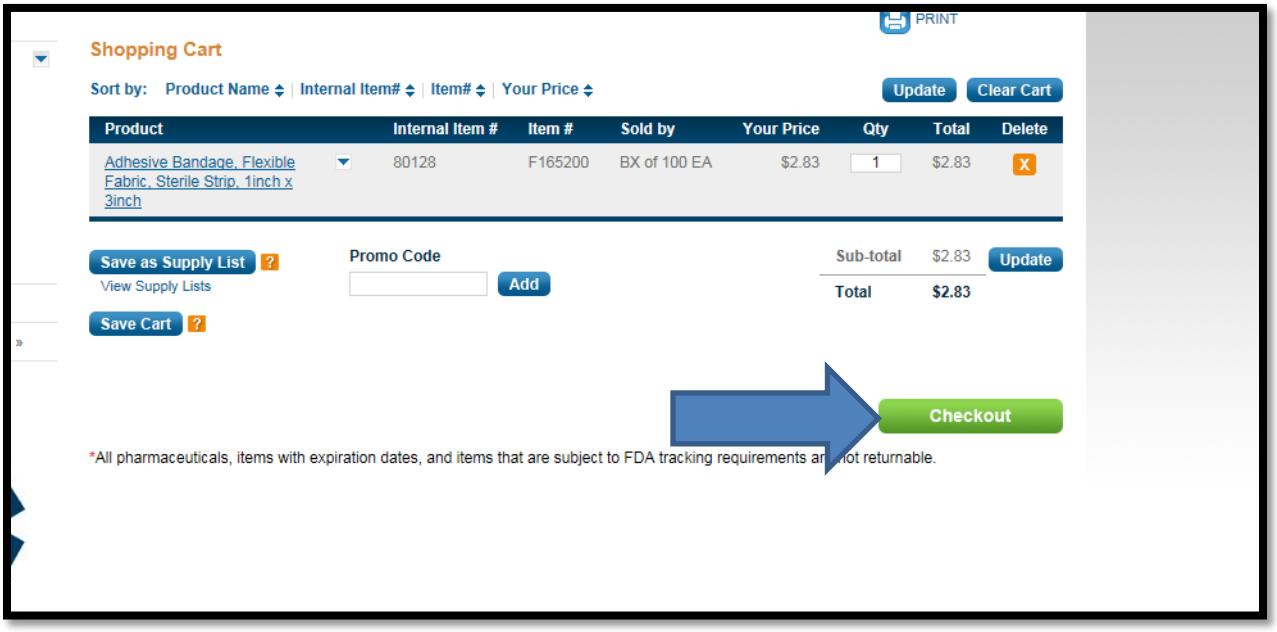
Leave the shipping method as ground, then click “Next”.



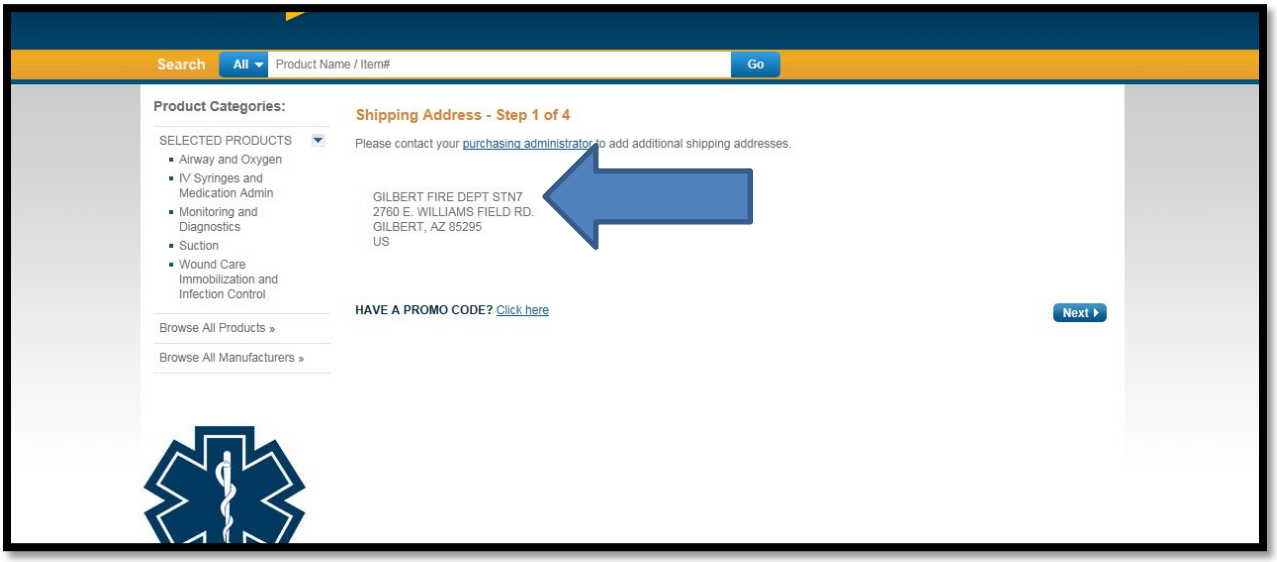
Make a note of your station number in the PO Number/Order Reference” and “Notes to Customer Service” box, leave payment type as NET 30, and hit “Next”.



Check your order for accuracy and select “Checkout”.



Make sure the station number is correct and click “Next”



Bound Tree

December 3, 2025

City of Farmington Hills
Department of Central Services

Dear Michelle Aranowski:

Bound Tree Medical knows that Healthcare is ever changing, and the pre-hospital setting is transforming faster than ever before. Patients are presenting more challenging clinical cases while continual budget compression leaves you to do more with less. The increased pressure to track supplies, manage your fleet and provide staffing makes managing your service more difficult than ever. Our goal is to help you meet all your supply and clinical support needs while driving efficiencies and helping to stretch your resources further.

Controlling product cost is a very important piece of our proposed solution, but we also recognize that
time is money. Our proposed solution includes, but is not limited to the following:

- Bound Tree Medical has industry-leading pricing and contract teams to ensure The City of Farmington Hills Cooperative receive products at highly competitive prices. This, combined with our buying power, helps to keep your cost of goods low.
- Exceptional manufacturing partner relationships that allow us to receive all-customer, and customer-specific rebated pricing which will further reduce your product costs.
- High quality, private label products, at lower costs through our extensive, and ever-expanding Curaplex line.
- Best-in-class customer service, from the ground up.
- Bound Tree is offering at The City of Farmington Hills Cooperative valuable inventory and asset management solutions to increase operational efficiency and accuracy, reduce liability and positive impact on your bottom line at little to no cost. We have partnered with industry-leading technology companies to offer you solutions that will enable you to streamline your ordering process and better manage your inventory. These are outlined below.

During a 1 on 1 meeting ED Draper will review the needs of your business to determine which of be below combinations of inventory management technology would bring the most value into your organization. Once the combination has been reviewed, he will be able to provide that solution at little to no cost.

Operative 10 Asset Management
Operative 10 inventory management solution is designed specifically for the EMS industry. Inventory management eliminates user error while adding accountability. By replacing manual paper processes, Operative lQ's inventory management tool provides tracking of medical supply expiration dates and lot numbers, station inventory and vehicle inventory.

Bound Tree Medical
5000 Bradenton Avenue
Dublin, OH 43017
www.boundtree.com

With Operative IQ, asset management, controlled substance tracking and fleet maintenance are all controlled and connected through one system. Asset management empowers you to know the location and history of your asset maintenance, store documents online, generate reports and quickly check assets out and verify their location. Controlled substance tracking enables you to replace your current paper logs with a more secure system. It provides the needed capability to track your narcotic boxes, expiration dates, lot numbers, and easily create reports on the possession and movement of controlled substances. Fleet maintenance connects your frontline crew with your fleet manager by tracking and scheduling vehicle repairs and routine maintenance based on crew member inspections. Crew members can report mileage, fuel costs, damage and vehicle service requests. Inspections completed using the Operative IQ check sheet make it easy to generate reports that keep vehicles in service while understanding their cost per mile.

Operative 10 is directly integrated with Bound Tree Medical's Order Management System which allows for easy and accurate ordering. Operative 10 will build your order form/PO as items are moved from the upstairs storage area to the binning/kitting room. When the order for PO is authorized and sent through.

UCaplt Controlled Access Medical Supply Dispensing

Maintaining and ordering pharmaceutical items can be a major supply room and regulatory concern. Bound Tree Medical offers the UCapIt Controlled Access Medical Supply Dispensing solution to successfully mitigate the challenge. This system helps monitor and track accountability for access to controlled substances, narcotics, pharmaceuticals, and durable assets and helps ensure that items with expiration dates are used in a timely manner. Usage reports, restock lists and other inventory reports can be generated for integration into billing/tracking software. Annual savings using the UCapIt dispenser have been realized up to 30% related to shrink, expiration management and overhead. The UCapit software integrates seamlessly with Operative IQ.

Both Operative IQ and UCapIt dispensing solutions are rapidly becoming/have become industry standards in controlling inventory and managing assets. Bound Tree Medical has many customers nationally that use these products, both singularly and in tandem. Bound Tree Medical is the sole source for UCapIt dispensing solutions.

Controlled Substance Ordering System

The Controlled Substances Ordering System (CSOS) was developed by the DEA for the electronic transmission of Class II controlled substances orders. Bound Tree offers this solution and it is the only allowance for electronic ordering of Class II controlled substances. CSOS allows for a significant reduction in the number of ordering errors, faster transaction times and lower costs due to order accuracy and decreased paperwork.

William Waite

Michigan, Account Manager

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Pricing Analyst, Bids & Contracts

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OPERATIVE IQ®

DESIG NED AROUND THE WAY YOU WORK

Inventory & Assets

– Manage Overall Flow of Supplies
– Vehicle, Station & Gear Checks
– Stock Levels Driven Supply Usage
– Integrated Purchasing & Approvals
– Track Expiration Dates

Narcotics Tracking

– Replace Paper Logs Electronically
– Complete Chain-of-Custody
– Narcotics History Details Visible
– Log Transactions on Any Device
– Secure Verification Options

Fleet Maintenance

– Work Order Tracking
– eduled Maintenan
Field Rep Requests
– Custom Ma enance Forms
Maintenan History
Geotab Vel atics

Operations Management in the Palm of Your Hands

Operative IQ goes beyond standard warehouse management software by continuing to track inventory and equipment in the field providing you with complete visibility across a distributed supply chain. This unique cloud-based solution seamlessly connects field personnel to management through our Check Sheet application and Back Office.

Designed for First Response and Public Safety professionals, Operative IQ understands your daily demands and provides you with streamlined processes to help you get more done in less time. Your crew uses our Electronic Check Sheet to conduct rig checks, equipment & gear inspections, inventory counts, report issues and much more from any smartphone, tablet or computer. Electronically track and report on Inventory & Assets, Fleet Maintenance and Narcotics Transactions in real-time from any device.

Join the thousands of professionals managing their day-to-day operations with Operative IQ and find immediate cost savings with minimal investment in a trusted, innovative, platform designed to meet your demands.

EMS Technology Solutions, LLC / 3771 Tramore Pointe Pkwy, SW, Austell, GA 30106
www.operativeiq.com / info@operativeiq.com / USA: 877-217-3707 / Canada: 647-694-0150



Hear from Operative IQ Users:

"Our original, annual EMS supply budget used to be $250,000. Operative IQ has dropped it to $190,000 per year. The savings we've seen have allowed us to reduce our operating budget as it pertains to both EMS and fire."

– Tim Sweat, Assistant Chief and CFO, Clayton County Fire and Emergency Services

"Within 9 months we were able to reduce our inventory overhead by 65%, and then an additional 10% by integrating multiple suppliers to help reduce cost since the beginning of 2017. We used to over order supplies but with Operative IQ we can closely monitor usage and minimize the loss of outdated items to order the ideal stock levels without fear of running out."

– Chris Venters, Russell County EMS

"I've got much, much better accountability across the board, I know where my controlled substances are all the time. So that's huge."

– Michael Baker, Tulsa Fire Department (On Narcotics Tracking)

"We found many companies that wanted to sell us a product, but none of them could compare to Operative IQ. The customer service and dedication that Operative IQ provides is second to none. We found no other companies with the willingness to adapt to what our needs were."

– Mark Hopper, Pike Township Fire Department

"Operative IQ accelerated everything we were doing. Our audits don't take any time at all; within 90 seconds, you've got [access to] all documentation that was done and the reporting can show all the details you need.

The best thing is that you can track a vial from birth to grave, and it's all electronic! Within seconds, I can see an audit log of any unique substance. [I can see] where it's been, who performed the transaction the person that administered, the person that issued the narcotic, and the person that received it. Everything is captured."

– Michael Potts, Logistics Manager, Medstar Mobile Healthcare

"Honestly, I think if I were to compare Operative IQ to some of the other software we use around here, it's is probably one of the more user-friendly. I definitely think it's a great software. I think it leans toward fire service and lines up well with it. We do like it, and we do appreciate the support and [onsite training] that came out to us."

– Josh Mandolini, Fire Captain, Big Bear Fire Department

UCapIt
Controlled Medical Supply Dispensing

Controlled Access Pharmaceutical Dispensers



24/7 Controlled Access
True Inventory Visibility
Real Time Reporting

A unique solution to today's challenge of controlling access, tracking inventory and dispensing of products according to access protocol.

Your Solution to a Growing Problem



- **Do you know what your on hand inventory is today? Do you know where it's located?**
- **Can you identify the people that have access to your medical supplies or pharmacy?**
- **If you had an internal shortage problem would you be able to track why?**
- **Are you able to ensure that only the people with proper credentials have access to controlled substances? Does your system meet the DEA requirements for narcotic controlled storage and reporting?**
- **Are you able to track lot numbers and expiration dates automatically? Are you able to see where expiring product is located in order to ensure it gets used and not wasted?**
- **How do you know when its time to re-order? Do you know what your par levels should be or your item turn over rate?**
- **How do you audit and provide reporting on your medical and pharmaceutical supplies today?**

The Controlled Access Pharmacy or CAP allows EMS, Pharmaceutical, Veterinary and other medical professionals the ability to restock their units 24/7 and have real-time usage and inventory tracking. The CAP can check multiple forms of ID and will prompt for station or dispatch specific data. All withdrawals are cataloged, time stamped and regulated by tech clearance/training level.

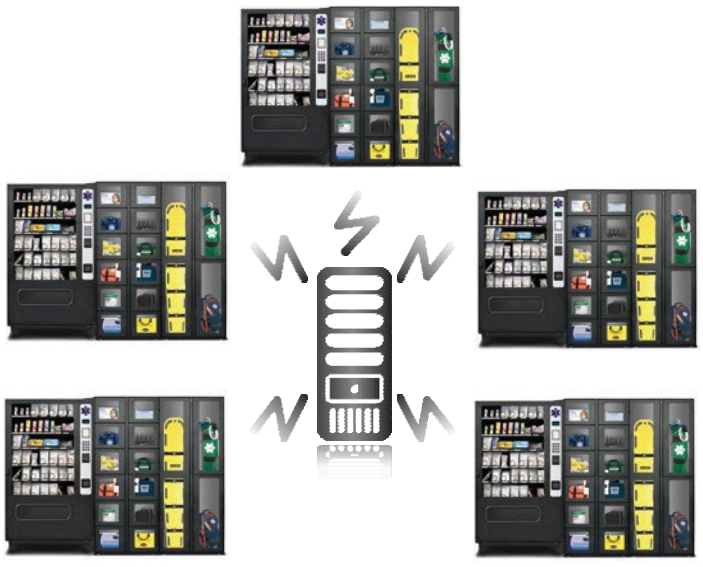
The CAP aggregates all dispensing history and alerts for low stock position, expiring product and creates a pick list for restocking. It will generate individual call reports based on products restocked. This information can be printed or exported to your Accounts Payable/Receivable or EPC Software.

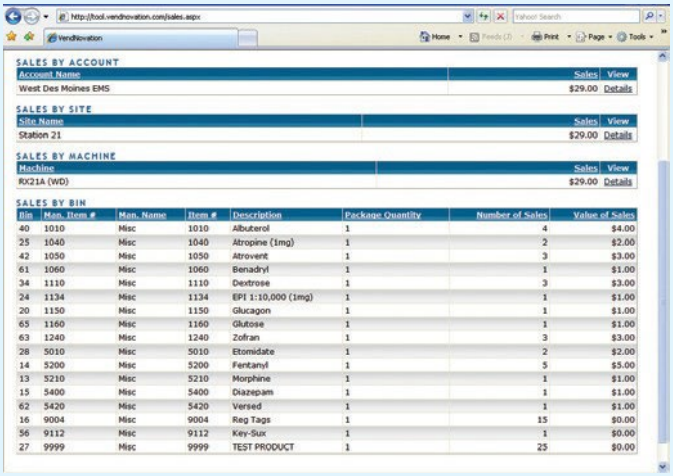
Revolutionary Inventory and Tracking System

The Controlled Access Pharmaceutical Dispenser uses the latest inventory and tracking technology for instant recording, reporting and tracking of supplies.

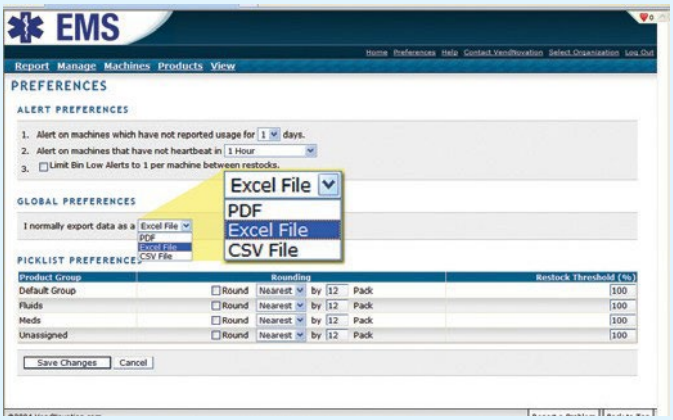
- Authorized professionals can use existing identification methods and can include a combination of:
  - Pin number
  - Proximity card reader
  - Bar code ID scanner
  - Biometric (fingerprint) reader
- Dispensing data is available online 24/7 and accessible through a secure login
- Usage reports, re-stock lists, inventory position and many other management reports can be generated and printed online or can be exported to your desktop for manipulation or import into your billing/ tracking or EPC software
- Dynamic checklists for ambulances, supply cabinets and other equipment
- Alerts can be sent to key personnel via e-mail to warn of low stock positions, expiring product, loss of Internet connection, power loss and more
- The CAP can be configured to control the temperature in a zone to maintain a constant level if necessary
- Cloud hosted software enables the CAP to track the inventory in your stock room or in your vehicles so that the complete chain of products can be tracked for reordering and expiration status

All Data is encrypted and sent via internet to secure cloud based server.

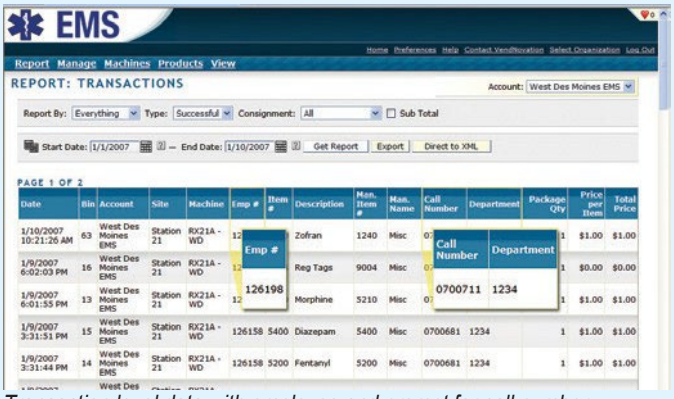




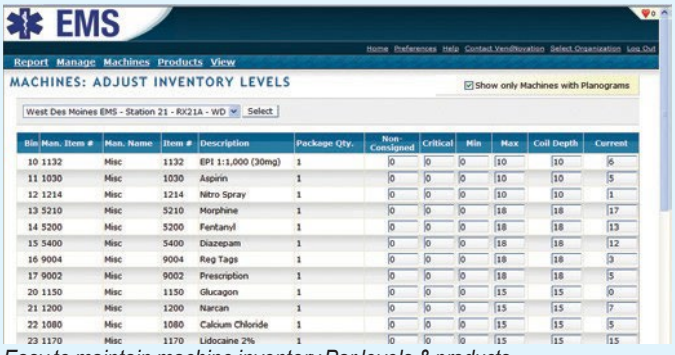
Aggregate dispensing usage by user defined time period.



Export data to PDF, Excel, CSV comma delimited files for imports to billing software or other uses.



Transaction level data with employee and prompt for call number and department.



Easy to maintain machine inventory Par levels & products.

Our controlled access pharmaceutical dispensers allow service providers to increase productivity and reduce downtime by spreading out your single point of storage to your point of use. These dispensers provide secure machine-based management of consumable and returnable supplies.

INTELLIGENT CONTROL SYSTEM

State-of-the-art control system allows secure web based interface for 24/7 real-time reporting of transactions.

DURABLE SHELVES

Configurable to almost any package size in the field with no need for tools.

Full selection (5-3/4"W)
3/4 selection (4-5/16"W)
Single selection (2-7/8"W)

STANDARD LED LIGHTING

High visibility and high efficiency LED lighting option for dimly lighted locations.

EXTRA LARGE DELIVERY PORT

Even large packages are accessible through the extra large delivery port.

DURABLE CABINET AND DOOR CONSTRUCTION

Uniquely designed and constructed from 20 gauge steel, UCaplt Dispensers feature fully welded seams and internal bracing for long term reliable service.



ELECTRONIC DISPLAY

Communicates all dispensing and programming data to technicians and managers.

STANDARD SECONDARY PORT

For static instruction or secondary input modules.

MULTIPLE INTERFACES AVAILABLE

- Pin number
- Proximity card reader
- Bar code ID scanner
- Biometric (fingerprint) reader

RETURN PORT

For reusing dispensing bags or accepting expired product.

Our CAP 3 controlled access pharmaceutical dispenser allows stock and access of supplies in a small areas. A slim cabinet of under 30" lets this unit fit in tight hallways and alcoves while providing all the features and benefits of our larger units.

INTELLIGENT CONTROL SYSTEM

State-of-the-art control system allows secure web based interface for 24/7 real-time reporting of transactions.

DURABLE SHELVES

Configurable to almost any package size in the field with no need for tools.

Full selection (5-3/4"W)
3/4 selection (4-5/16"W)
Single selection (2-7/8"W)

ELECTRONIC DISPLAY

Communicates all dispensing and programming data to technicians and managers.



STANDARD LED LIGHTING

High visibility and high efficiency LED lighting option for dimly lighted locations.

STANDARD SECONDARY PORT

For static instruction or secondary input modules.

MULTIPLE INTERFACES AVAILABLE

- Pin number
- Proximity card reader
- Bar code ID scanner
- Biometric (fingerprint) reader

EXTRA LARGE DELIVERY PORT

Even large packages are accessible through the extra large delivery port.

RETURN PORT

For reusing dispensing bags or accepting expired product.

DURABLE CABINET AND DOOR CONSTRUCTION

Uniquely designed and constructed from 20 gauge steel, UCapIt Dispensers feature fully welded seams and internal bracing for long term reliable service.

SMALL CABINET

Only 29.3" wide allows for locating in tight locations.

This fully refrigerated dispenser supports compliance with regulatory standards and ensure products maintain freshness and usability, saving you thousands of dollars annually in replacement costs due to spoilage or improper storage of products.

REFRIGERATED PRODUCT AREA

Settable refrigeration for keeping products within mandated storage temperatures and maintaining product life.

DURABLE SHELVES

Configurable to almost any package size in the field with no need for tools.

Full selection (5-3/4”W)
3/4 selection (4-5/16”W)
Single selection (2-7/8”W)

INTELLIGENT CONTROL SYSTEM

State-of-the-art control system allows secure web based interface for 24/7 real-time reporting of transactions.

ELECTRONIC DISPLAY

Communicates all dispensing and programming data to technicians and managers.



STANDARD LED LIGHTING

High visibility and high efficiency LED lighting option for dimly lighted locations.

MULTIPLE INTERFACES AVAILABLE

- Pin number
- Proximity card reader
- Bar code ID scanner
- Biometric (fingerprint) reader

EXTRA LARGE DELIVERY PORT

Even large packages are accessible through the extra large delivery port.

STANDARD SECONDARY PORT

For secondary input modules.

DURABLE CABINET AND DOOR CONSTRUCTION

Uniquely designed and constructed from 20 gauge steel, UCaplt Dispensers feature fully welded seams and internal bracing for long term reliable service.

This fully refrigerated space saving dispenser supports compliance with regulatory standards and ensure products maintain freshness and usability, saving you thousands of dollars annually in replacement costs due to spoilage or improper storage of products.

REFRIGERATED PRODUCT AREA

Settable refrigeration for keeping products within mandated storage temperatures and maintaining product life.

DURABLE SHELVES

Configurable to almost any package size in the field with no need for tools.

Full selection (5-3/4"W)
3/4 selection (4-5/16"W)
Single selection (2-7/8"W)

STANDARD LED LIGHTING

High visibility and high efficiency LED lighting option for dimly lighted locations.

EXTRA LARGE DELIVERY PORT

Even large packages are accessible through the extra large delivery port.

DURABLE CABINET AND DOOR CONSTRUCTION

Uniquely designed and constructed from 20 gauge steel, UCaplt Dispensers feature fully welded seams and internal bracing for long term reliable service.



INTELLIGENT CONTROL SYSTEM

State-of-the-art control system allows secure web based interface for 24/7 real-time reporting of transactions.

ELECTRONIC DISPLAY

Communicates all dispensing and programming data to technicians and managers.

MULTIPLE INTERFACES AVAILABLE

- Pin number
- Proximity card reader
- Bar code ID scanner
- Biometric (fingerprint) reader

STANDARD SECONDARY PORT

For secondary input modules.



Shown with 43 select configuration.



Shown with 27 select configuration.

	CAP 5	CAP 3
Selections	43 Standard; Configurable up to 60 Items	25 Standard; Configurable up to 36 Items
Capacity	664 Items, Capacity varies with tray configurations.	412 Items, Capacity varies with tray configurations.
Communication	Web based	
Electrical Requirements	115 VAC/60Hz, 1.2 AMPS; 230 VAC/50Hz, 0.6 AMPS	
Height	72"(183 cm)	
Width	41" (104 cm)	29.3" (74.4 cm)
Depth	35.2" (89.4 cm)	34.75" (88.3 cm)
Shipping Weight	628 lbs.	445 lbs.
Standard Features	Bar Code or Mag Stripe Reader; iVend® Delivery Sensor System; Parrot Door (Enable reuse of protective bags); LED Lighting	
Colors	Black Standard (Custom colors available at extra charge)	
Options	Optional Point of Interface (Prox, RFID, Card Reader, Mag Stripe, Biometric, Bar Code); High Security Lexan Window Cover; Temperature Controlled Model (Inquire for Specs.); Thermostat; Personalized logo on your web reporting site	



Shown with 43 select configuration.



Shown with 43 select configuration.

	CAP 5 Refrigerated	CAP 3 Refrigerated
Selections	43 Standard; Configurable up to 60 Items	25 Standard; Configurable up to 36 Items
Capacity	664 Items, Capacity varies with tray configurations.	412 Items, Capacity varies with tray configurations.
Communication	Web based	
Electrical Requirements	115 VAC/60Hz, 9.5 AMPS; With Heated Glass: 115 VAC/60Hz, 10.5 AMPS; 230 VAC/50Hz, 5.2 AMPS	115 VAC/60Hz, 7.0 AMPS; With Heated Glass: 115 VAC/60Hz, 8.0 AMPS; 230 VAC/50Hz, 3.5 AMPS; With Heated Glass Active: 115 VAC/60Hz, 4.0 AMPS
Refrigeration	Super 1/3 HP, R-134a or R-513a Closed System	
Height	72"(183 cm)	
Width	41" (104 cm)	29.5" (75 cm)
Depth	38" (97 cm)	
Shipping Weight	838 lbs.	665 lbs.
Standard Features	Bar Code or Mag Stripe Reader; iVend® Delivery Sensor System; Parrot Door (Enable reuse of protective bags); LED Lighting	
Colors	Black Standard (Custom colors available at extra charge)	
Options	Optional Point of Interface (Prox, RFID, Card Reader, Mag Stripe, Biometric, Bar Code); High Security Lexan Window Cover	

Supply Locker

Supply Lockers provide secure accountability for reusable assets and consumable products, ensuring your team has exactly what they need, when and where they need it 24/7. Single and multiple item dispense, check-in/check-out, loan periods, and asset management, are all possible with UCapIt Supply Lockers.

LED LIGHTING

High visibility and high efficiency LED lighting spotlights products.

SOLID AND WINDOW DOOR OPTIONS

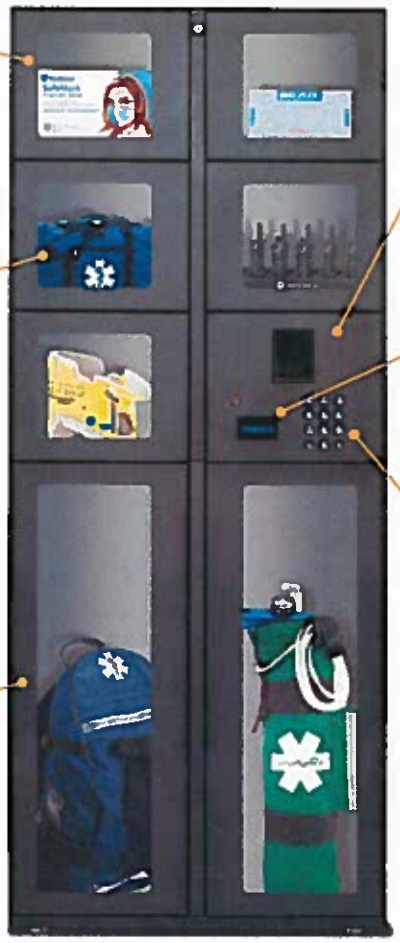
Acrylic window version for immediate identification of available it



Solid door version for higher security.

DURABLE CABINET AND DOOR CONSTRUCTION

Uniquely designed and constructed from 20 gauge steel, lockers feature fully welded seams and internal bracing for long term reliable service.



INTELLIGENT CONTROL SYSTEM

State-of-the-art control system allows secure web based interface for 24/7 real-time transactions and reporting.

ELECTRONIC DISPLAY

Communicates all dispensing and programming data to technicians and managers.

MULTIPLE INTERFACES AVAILABLE

- Pin number
- Proximity card reader
- Bar code ID scanner
- Magnetic strip reader

VERSATILE COMPARTMENTS

Sized for a wide variety of products.
Opening: 10-3/4"H x 11"W
Depth: 22-15/16"D

OPTIONAL POWER AND CAT5E CONNECTED*

Charge devices and connect to your LAN for updating and remote servicing. *11 Door Controller and 6 Door Satellite Lockers Only.





Supply Locker Controllers



7 Door Locker Controller					
Compartments	7 individual				
Compartments Sizes	Opening: (5) 10-15/16"W x 10-23/32"H, (2) 10-15/16"W x 34-23/32"H Depth: 22-15/16"D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16"(186.2 cm)	Width	30-1/8" (76.5 cm)	Depth	24-3/8" (62 cm)
Shipping Weight	327 lbs.				
Standard Features	Keypad Interface; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				



16 Door Locker Controller					
Compartments	16 individual				
Compartments Sizes	Opening: (6) 10-15/16" W x 10-23/32"H, (10) 10-15/16"W x 4-23/32"H Depth: 22-15/16"D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16"(186.2 cm)	Width	30-1/8" (76.5 cm)	Depth	24-3/8" (62 cm)
Shipping Weight	327 lbs.				
Standard Features	Keypad Interface; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				

Supply Locker Satellites



CAP 3 Door Locker					
Compartments	3 individual				
Compartments Sizes	Opening: (1) 10-15/16"W x 70-23/32"H, (2) 10-15/16"W x 34-23/32"H Depth: 22-15/16"D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16"(186.2 cm)	Width	30-1/8" (76.5 cm)	Depth	24-3/8" (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				



4 Door Locker Satellite					
Compartments	4 individual				
Compartments Sizes	Opening: (4) 10-15/16"W x 34-23/32"H Depth: 22-15/16"D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16"(186.2 cm)	Width	30-1/8" (76.5 cm)	Depth	24-3/8" (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				



6 Door Locker Satellite (Powered)					
Compartments	6 individual				
Compartments Sizes	Opening: (6) 10-15/16" W x 22-23/32"H Depth: 22-15/16"D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16"(186.2 cm)	Width	30-1/8" (76.5 cm)	Depth	24-3/8" (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting; Power outlets (1) per compartment				
Colors	Black Standard (Custom colors available at extra charge)				



8 Door Locker Satellite					
Compartments	8 individual				
Compartments Sizes	Opening: (6) 10-15/16” W x 10-23/32”H , (2) 10-15/16”W x 34-23/32”H Depth: 22-15/16”D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16”(186.2cm)	**Width**	30-1/8” (76.5 cm)	**Depth**	24-3/8” (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				



12 Door Locker Satellite					
Compartments	12 individual				
Compartments Sizes	Opening: (12) 10-15/16” W x 10-23/32”H, Depth: 22-15/16”D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16”(186.2 cm)	**Width**	30-1/8” (76.5 cm)	**Depth**	24-3/8” (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting				
Optional Features	120 Volt Power and CAT5 Ethernet connections in each compartment.				
Colors	Black Standard (Custom colors available at extra charge)				



18 Door Locker Satellite					
Compartments	18 individual				
Compartments Sizes	Opening: (6) 10-15/16” W x 10-23/32”H, (12) 10-15/16”W x 4-23/32”H Depth: 22-15/16”D				
Electrical Requirements	Domestic: 115 VAC/60Hz, 1.2 AMPS International: 230 VAC/50Hz, 0.6 AMPS				
Height	73-5/16”(186.2 cm)	**Width**	30-1/8” (76.5 cm)	**Depth**	24-3/8” (62 cm)
Shipping Weight	327 lbs.				
Standard Features	CAP 5 or CAP 3 dispenser connection; LED Lighting				
Colors	Black Standard (Custom colors available at extra charge)				

SAFEMEDS Secure Storage Box

SAFEMEDS high security lock box system capable of mounting in ambulances and other areas where drugs need to be tracked or distributed. Capable of dual validation and two form factor identification using your PIN and PROX Card, Bar Code, Magnetic Strip or Biometrics reader ID system.



SAFEMEDS Secure Storage Box					
Compartment Size	Opening: 10”H x 11.2”W; Interior: 10”H x 9.8”W (Min. to door latch); Depth: 9.1”D				
Electrical Requirements	Domestic: 120 VAC/60Hz, 1.5 AMPS International: 230 VAC/50Hz, 0.75 AMPS Current Draw: 0.25 Amp				
Height	11.2”(28 cm)	**Width**	13.03” (34 cm)	**Depth**	13.88” (36 cm)
Shipping Weight	35 lbs.				
Standard Features	CAT5E Connection, Override Key, Bottom Mounting				
Options	PROX Card Reader, Bar Code, Magnetic Strip or Biometric Reader, Cellular Connection				









WE MAKE SURE OUR CUSTOMERS ARE SATISFIED





"We can now audit our usage and remotely poll stations in order to determine restocking needs! We are in compliance with the DEA regulations regarding narcotics and can pinpoint the location of all supplies from the pharmacy storeroom to the truck."
Rob Dehnert - NREMT-P Specialist - West Des Moines EMS, West Des Moines, IA

"The report tells me what I need to know, how many are expiring, where they are located and the name of the medication. I really like that I can run the report for 90 or more days because I order replacement medications 3-4 months in advance, plus my regular stock... so I know I won't run out. Now instead of having to do a count by hand at the end of the month or so I check them in when I receive them and simply run the reports I need."
Beth Hines - Captain - Onlow City EMS, Jacksonville NC

"We will pay for the machine in 2 1/2 years just based off of direct drug costs alone. That doesn't take into account man-hours spent doing inventory."
Shawn Treloar - EMS Battalion Chief - Sanford Fire Department, Sanford, FL

UNMATCHED RELIABILITY AND DURABILITY

Built in the USA, Intelligent Dispensing Solutions equipment incorporates over three quarters of a century worth of dispensing technology in a rugged and dependable enclosure.

Every IDS product is engineered for easy maintenance and high reliability. From the raw materials to final product, the commitment to quality sets the tone for the entire manufacturing effort.

Using the latest techniques including state-of-the-art computer controlled machinery and the highest construction standards, parts are stamped and formed, refined and assembled. Then every machine is checked and rechecked for optimum performance levels before entering service.



From raw materials, through assembly and final quality checks, CAP dispensing equipment is prepared for a long life of dependable service.



Manufactured in the Heartland, Des Moines Iowa.

UCapIt Controlled Medical Supply Dispensing

IDS Intelligent Dispensing Solutions

Bound Tree

Contact Your BoundTree Account Manager For more information:

800.533.0523

8040 University Boulevard, Des Moines, Iowa 50325
www.intelligentdispensingsolutions.com



BOUND TREE MEDICAL EMERGENCY
DISASTER SUPPORT PROGRAM

If your agency is in need of emergency medical supplies and equipment, the Bound Tree Medical Emergency Disaster Support Program is here to help. This program enables you to call our Disaster Support Hotline 24 hours a day to report major incidents and identify medical supply needs. Once reported, Bound Tree Medical personnel will take immediate measures to assist in relief efforts.

GET HELP IN THREE SIMPLE STEPS

1. **Report a major Incident.**
2. **Call the Bound Tree Medical DiH5tor $upporl HoUlno,**
3. **Receive emergency medical $Upplie5,**

Bound Tree Medical is the only national, EMS focused supplier in the country. We have a proven track record of supplying vital customer needs in situations from hurricanes, tornadoes and floods to MCI's. Our national presence and multiple regional warehouses stocked with products specifically for emergency preparedness make us the clear choice when every minute counts. To learn more about the Bound Tree Medical Emergency Disaster Support Program, contact Customer Service.

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800.8s3.o9s3



Need to report a major incident and alert us to your emergency medical supply needs? Simply call the toll-free Disaster Support Hotline at **800.863.0953.**

Partners in EMS





In-Service Training

Our EMS-experienced Account Managers can provide quality in-service training and support to you and your department. Since they live in your area, they understand state and local requirements and protocols.



Advanced Online Tools

From free online continuing education courses at www.BoundTreeUniversity.com to elaborate online ordering tools at www.boundtree.com, we are focused on the most cutting edge technology that will streamline your day-to-day operations.



24-Hour Disaster Support

Our Emergency Disaster Support Program can provide relief efforts to agencies that require immediate deployment of emergency medical supplies. To activate the program, call 800-863-0953 and identify your needs.



Grants Support

Safety and patient care should never be compromised because of inadequate budgets. Our experienced grant writers can help you find funding opportunities for equipment, training, personnel and vehicles at www.boundtreegrants.com.



Passion and Perspective

At the heart of Bound Tree Medical is a team of employees who are passionate about EMS and the communities they serve. We have the experience required to meet your needs.

Bound Tree Medical is a specialty distributor of emergency medical equipment, supplies, pharmaceuticals and product expertise for fire departments, military, government institutions and other EMS organizations that provide pre-hospital, emergency care. We support our customers with our team of EMS-experienced product specialists, customer service representatives and local account managers, backed by strong vendors and a national distribution network.

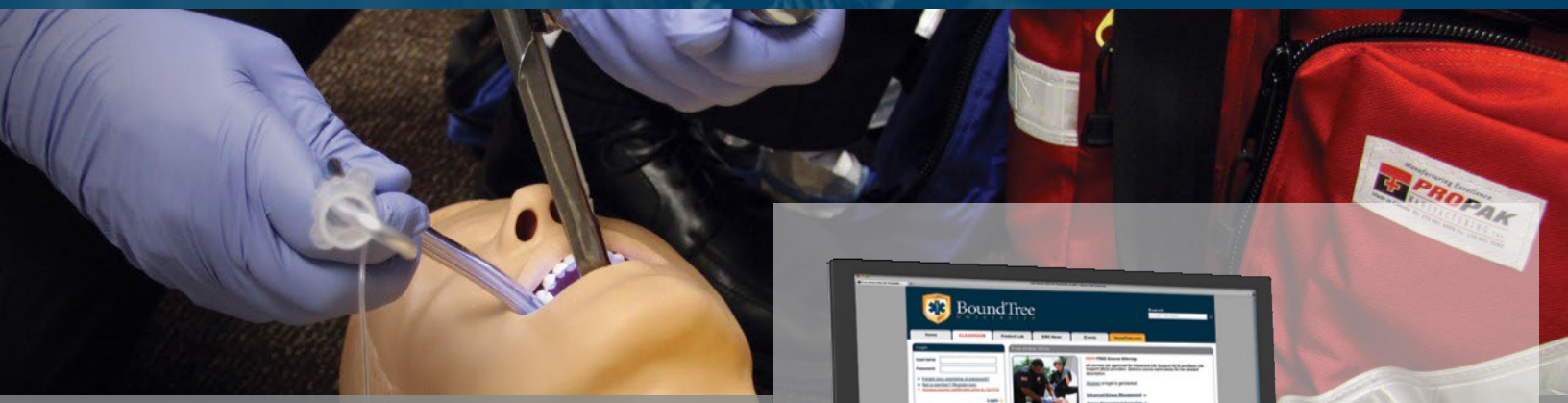
From everyday disposable items to extensive capital equipment, we offer thousands of quality products from leading manufacturers to help our customers save lives. Our cutting-edge distribution model and five nationwide distribution centers allow us to provide prompt and accurate delivery anywhere in the United States. We are passionate about EMS and have developed specialty programs to demonstrate our dedication, including scholarships, grants support and disaster support. We strive to truly understand the needs and demands of EMS providers and deliver the products and services that address those needs.

Bound Tree

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FREE CEUs

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Current Course Offering:

Acute MI and STEMI »

Asthma »

Evidence-based Guidelines for EMS Providers »

Safe Transport of the Pediatric Patient »

Pediatric Shortness of Breath »

Capnography for Respiratory Distress »

Emergency Operations EMS1 »

Anaphylaxis »

CHF vs. COPD »

Sepsis »

Bound Tree University is dedicated to the continuing education of EMTs and Paramedics. All online courses are FREE and fully accredited by the Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS). Each course is worth 1.5 credit hours and they are approved for both Advanced Life Support (ALS) and Basic Life Support (BLS) providers.

In partnership with Bound Tree and EMS1.com

BoundTree UNIVERSITY



EMERGENCY MEDICAL SUPPLIES AND EQUIPMENT

Section B - Discount Proposal

CORE LIST PROPOSAL FORM

Items listed are by the specified by manufacturer. ***The line below each specified item is available for entering generic or approved equivalent items*** . **Please note - it is acceptable to bid both the specified item and/or a generic or approved equivalent**. The SMEMS COOPERATIVE retains the sole right to determine whether an item is equivalent .The SMEMS COOPERATIVE also retains the right to request a sample of any item on the list for comparison purposes. Where no Manufacturer is listed please bid to the line item specification and make sure to give both a Manufacturer name & vendor part #.

Definitions –

Component Price=Price per smallest measured item (example one 4x4, one splint, one ounce of cleaner

Unit Price=Price per Item # listed

Unit Pack=Description of item # listed (example below Box of 30)

Case price-Price of standard shipped case

Case Pack=Description of standard shipped case (example below Case of 900)

Line #	Item Category	Subcategory (if applicable)	Mfg.	Description	Part #	Component Price	Unit price	Unit Pack	Case Price	Case Pack
N/A	***SAMPLE***	***SAMPLE SUB***	***CONMED***	***ADULAT DIAPHORETIC***	***123456***	***$0.18***	***$ 5.25***	***BOX-30***	***$157.50***	***CASE-900***
1	Airway		INTERSURGICAL, INC.	i-gel Plus O2 Resus Pack, MED Adult, incl size 4 i-gel O2, for Pts 50-90kg	8804030	$25.00	$ 25.00	6/bx		
2										
3	Airway		INTERSURGICAL, INC.	i-gel Plus O2 Resus Pack, LG Adult, incl size 5 i-gel O2, for Pts 90 plus kg	8805030	$25.00	$ 25.00	6/bx		
4										
5	Airway		INTERSURGICAL, INC.	I-GEL SUPRAGLOTTIC AIRWAY FOR NEONATES (SIZE 1) 5-11 LBS (2-5 KG)	8201000	$15.64	$ 15.64		$ 156.40	10/cs
6										
7	Airway		INTERSURGICAL, INC.	I-GEL SUPRAGLOTTIC AIRWAY FOR INFANTS (SIZE 1.5) 11-25 LBS (5-12 KG)	8215000	$15.64	$ 15.64		$ 156.40	10/cs
8										
9	Airway		INTERSURGICAL, INC.	I-GEL SUPRAGLOTTIC AIRWAY FOR SMALL PEDIATRICS (SIZE 2) 22-55 LBS (10-25 KG)	8202000	$15.64	$ 15.64		$ 156.40	10/cs
10										
11	Airway		INTERSURGICAL, INC.	I-GEL SUPRAGLOTTIC AIRWAY FOR LG PEDIATRICS (SIZE 2.5) 55-77 LBS (25-35 KG)	8225000	$15.64	$ 15.64		$ 156.40	10/cs
12										
13	Airway		AIRLIFE	Air-Q sp3G Size 3.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60305	$17.50	$ 17.50		$ 175.00	10/cs
14										
15	Airway		AIRLIFE	Air-Q sp3G Size 4.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60405	$17.50	$ 17.50		$ 175.00	10/cs
16										
17	Airway		AIRLIFE	Air-Q sp3G Size 5.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60505	$17.50	$ 17.50		$ 175.00	10/cs
18										
19	Airway		CURAPLEX BY BOUND TRE	Air-Q sp3G Kit SIZE 3 with Connector, ET Tube Holder, and Lube Jelly	670274-KIT	$23.00	$ 23.00			
20										
21	Airway		CURAPLEX BY BOUND TRE	Air-Q sp3G Kit SIZE 4 with Connector, ET Tube Holder, and Lube Jelly	670275-KIT	$23.00	$ 23.00			
22										
23	Airway		CURAPLEX BY BOUND TRE	Air-Q sp3G Kit SIZE 5 with Connector, ET Tube Holder, and Lube Jelly	670276-KIT	$23.00	$ 23.00			
24										
25	Airway		AMBU INC.	King LTS-D Supraglottic Airway Kit Size 3 Yellow	KLTSD433	$32.25	$ 32.25		$ 161.25	5/cs
26										
27	Airway		AMBU INC.	King LTS-D Supraglottic Airway Kit Size 4 Red	KLTSD434	$32.25	$ 32.25		$ 161.25	5/cs
28										
29	Airway		AMBU INC.	King LTS-D Supraglottic Airway Kit Size 5 Purple	KLTSD435	$32.25	$ 32.25		$ 161.25	5/cs
30										
31	Airway		UE MEDICAL DEVICES INC	UE Scope VL460 Monitor, Case, and Charger	460-1200	$1,682.69	$ 1,682.69			
32										
33	Airway		UE MEDICAL DEVICES INC	Single Use Blade Size D0 for UESCOPE 2 (VL460)	010-3201	$43.00	$ 43.00			
34										
35	Airway		UE MEDICAL DEVICES INC	Single-Use Blade MD1	010-3211	$43.00	$ 43.00			
36										
37	Airway		UE MEDICAL DEVICES INC	Single Use Blade Size D1 for UESCOPE 2 (VL460)	010-3210	$43.00	$ 43.00			
38										
39	Airway		UE MEDICAL DEVICES INC	Single Use Blade Size D2 for UESCOPE 2 (VL460)	010-3220	$43.00	$ 43.00			
40										
41	Airway		UE MEDICAL DEVICES INC	Single Use Blade Size D3 for UESCOPE 2 (VL460)	010-3230	$43.00	$ 43.00			

42											
43	Airway		UE MEDICAL DEVICES INC	Single Use Blade Size D4 for UESCOPE 2 (VL460)	010-3240	$43.00	$	43.00			
44											
45	Airway		UE MEDICAL DEVICES INC	MAC 3 Non Hyper Angulated Blade	010-3236	$43.00	$	43.00			
46											
47	Airway		UE MEDICAL DEVICES INC	MAC 4 Non Hyper Angulated Blade	010-3246	$43.00	$	43.00			
48											
49	Airway		UE MEDICAL DEVICES INC	Single-Use Channeled Blade J3	010-3293	$43.00	$	43.00			
50											
51	Airway		UE MEDICAL DEVICES INC	UE Intubation Stylet, P1 (Pediatric)	131-1102	$40.45	$	40.45			
52											
53	Airway		UE MEDICAL DEVICES INC	UE Intubation Stylet, P2 (Adult)	131-1101	$28.90	$	28.90			
54											
55	Airway		CURAPLEX BY BOUND TRE	OneScope Pro Video Laryngoscope	1726785	$1,899.99	$	1,899.99			
56											
57	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Neonatal Size 1 Blade	3010001	$14.99	$	14.99			
58											
59	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Pediatric Size 2 Blade	3020001	$14.99	$	14.99			
60											
61	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Angulated Adult Size 3 Blade	3031001	$14.99	$	14.99			
62											
63	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Angulated Adult Size 4 Blade	3041001	$14.99	$	14.99			
64											
65	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Direct Adult Mac 3 Blade	3034001	$14.99	$	14.99			
66											
67	Airway		CURAPLEX BY BOUND TRE	OneScope Pro - Direct Adult Mac 4 Blade	3044001	$14.99	$	14.99			
68											
69	Airway		CURAPLEX BY BOUND TRE	OneScope Pro Disposable Rigid Stylet	1004	$7.50	$	7.50			
70											
71	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Mac 1, Fiber Optic, Disposable, Stainless Steel	5-5332-01	$3.75	$	3.75	20/bx		
72											
73	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Mac 2, Fiber Optic, Disposable, Stainless Steel	5-5332-02	$3.75	$	3.75	20/bx		
74											
75	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Mac 3, Fiber Optic, Disposable, Stainless Steel	5-5332-03	$3.75	$	3.75	20/bx		
76											
77	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Mac 4, Fiber Optic, Disposable, Stainless Steel	5-5332-04	$3.75	$	3.75	20/bx		
78											
79	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Miller 0, Fiber Optic, Disposable, Stainless Steel	5-5333-00	$3.75	$	3.75	20/bx		
80											
81	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Miller 1, Fiber Optic, Disposable, Stainless Steel	5-5333-01	$3.75	$	3.75	20/bx		
82											
83	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Miller 2, Fiber Optic, Disposable, Stainless Steel	5-5333-02	$3.75	$	3.75	20/bx		
84											
85	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Miller 3, Fiber Optic, Disposable, Stainless Steel	5-5333-03	$3.75	$	3.75	20/bx		
86											
87	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Blade, Greenline, Miller 4, Fiber Optic, Disposable, Stainless Steel	5-5333-04	$3.75	$	3.75	20/bx		
88											
89	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Handle, GreenLine, Medium, Fiber Optic, Chrome Plated Brass	5-0236-09	$5.68	$	5.68	20/bx		
90											
91	Airway		TRI-ANIM HEALTH SERVIC	Laryngoscope Handle, GreenLine, Petite, Fiber Optic, Chrome Plated Brass	5-0236-10	$5.68	$	5.68	20/bx		
92											
93	Airway		CURAPLEX BY BOUND TRE	Select Endotracheal Tube with Stylette, 2.5mm, Cuffed	2113-10225	$2.29	$	2.29	10/bx	$ 229.00	10bx/cs
94											
95	Airway		CURAPLEX BY BOUND TRE	Select Endotracheal Tube with Stylette, 3.0mm, Cuffed	2113-10230	$2.29	$	2.29	10/bx	$ 229.00	10bx/cs
96											

97	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 3.5mm, Cuffed	2113-10235	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
98												
99	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 4.0mm, Cuffed	2113-10240	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
100												
101	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 4.5mm, Cuffed	2113-10245	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
102												
103	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 5.0mm, Cuffed	2113-10250	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
104												
105	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 5.5mm, Cuffed	2113-10255	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
106												
107	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 6.0mm, Cuffed	2113-10260	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
108												
109	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 6.5mm, Cuffed	2113-10265	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
110												
111	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 7.0mm, Cuffed	2113-10270	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
112												
113	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 7.5mm, Cuffed	2113-10275	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
114												
115	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 8.0mm, Cuffed	2113-10280	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
116												
117	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 8.5mm, Cuffed	2113-10285	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
118												
119	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 9.0mm, Cuffed	2113-10290	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
120												
121	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube with Stylette, 10.0mm, Cuffed	2113-10200	$2.29	$	2.29	10/bx	$	229.00	10bx/cs
122												
123	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 3.0mm, Cuffed, w/o Stylette	2113-20230	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
124												
125	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 3.5mm, Cuffed, w/o Stylette	2113-20235	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
126												
127	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 4.0mm, Cuffed, w/o Stylette	2113-20240	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
128												
129	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 4.5mm, Cuffed, w/o Stylette	2113-20245	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
130												
131	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 5.0mm, Cuffed, w/o Stylette	2113-20250	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
132												
133	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 5.5mm, Cuffed, w/o Stylette	2113-20255	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
134												
135	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 6.0mm, Cuffed, w/o Stylette	2113-20260	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
136												
137	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 6.5mm, Cuffed, w/o Stylette	2113-20265	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
138												
139	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 7.0mm, Cuffed, w/o Stylette	2113-20270	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
140												
141	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 7.5mm, Cuffed, w/o Stylette	2113-20275	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
142												
143	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 8.0mm, Cuffed, w/o Stylette	2113-20280	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
144												
145	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 8.5mm, Cuffed, w/o Stylette	2113-20285	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
146												
147	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 9.0mm, Cuffed, w/o Stylette	2113-20290	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
148												
149	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 9.5mm, Cuffed, w/o Stylette	2113-20295	$1.21	$	1.21	10/bx	$	121.00	10bx/cs
150												
151	Airway		CURAPLEX BY BOUND TR	Select Endotracheal Tube, 10.0mm, Cuffed, w/o Stylette	2113-20200	$1.21	$	1.21	10/bx	$	121.00	10bx/cs

152											
153	Airway		LAERDAL MEDICAL CORP	Endotracheal Tube Holder, Thomas Select, Adult, for ET/SGA Tubes 6.5mm ID to 42mm OD	600-42500	$4.25	$	4.25		$	106.25	25/cs
154											
155	Airway		LAERDAL MEDICAL CORP	Endotracheal Tube Holder, Thomas, Pediatric/Child, for ET/SGA Tubes 4.3mm ID to 15.8mm OD	600-20000	$3.40	$	3.40				
156											
157	Airway		LAERDAL MEDICAL CORP	Endotracheal Tube Holder, Thomas, Adult, for ET/SGA Tubes 6.5mm ID to 21mm OD	600-10000	$3.40	$	3.40				
158											
159	Airway		PULMODYNE	Control-Cric, including Cric-knife, Cric-key, Square Obturator, Extension tube, Wedge	313-4567	$173.85	$	173.85				
160											
161	Airway		PARENT PRODUCTION	Control-Cric System Capno Kit	670155-KIT	$172.94	$	172.94				
162											
163	Airway		TELEFLEX LLC	TRACHEOTOMY DEVICE ADULT 4.0MM QUICKTRACH	120900040	$145.12	$	145.12				
164											
165	Airway		TELEFLEX LLC	TRACHEOTOMY DEVICE CHILD 2.0MM QUICKTRACH	120900020	$145.12	$	145.12				
166											
167	Airway		PULMODYNE	GO-PAP with BiTrac ED with Neb - Adult Medium	313-4602N	$48.67	$	48.67				
168											
169	Airway		PULMODYNE	GO-PAP with BiTrac ED with Neb- Adult Large	313-4603N	$48.67	$	48.67				
170											
171	Airway		PULMODYNE	GO-PAP with BiTrac ED - Adult Medium	313-4602	$48.50	$	48.50				
172											
173	Airway		PULMODYNE	GO-PAP with BiTrac ED- Adult Large	313-4603	$48.50	$	48.50				
174											
175	Airway		PULMODYNE	Go-Pap CPAP Kit , Sm Adult Bitrac Mask, Standard Head Harness. Nebulizer Canister	313-4601N	$49.80	$	49.80		$	498.00	10/cs
176											
177	Airway		PULMODYNE	O2 MAX BiTrac ED Mask, w/ Neb, Adult LG, w/3-SET Valve, Ohmeda Connector, Fixed Flow	313-7555XN-1	$54.40	$	54.40		$	544.00	10/cs
178											
179	Airway		PULMODYNE	O2 MAX BiTrac ED Mask, w/ Neb, Adult MED, w/3-SET Valve, Ohmeda Connector, Fixed Flow	313-7556XN-1	$54.40	$	54.40		$	544.00	10/cs
180											
181	Airway		PULMODYNE	O2 MAX BiTrac ED Mask, w/ Neb, Adult LG, w/5-SET Valve, Ohmeda Connector, Fixed Flow	313-7554XN-1	$54.16	$	54.16		$	541.60	10/cs
182											
183	Airway		PULMODYNE	O2 MAX BiTrac ED Mask, w/ Neb, Adult MED, w/5-SET Valve, Ohmeda Connector, Fixed Flow	313-7557XN-1	$54.17	$	54.17		$	541.70	10/cs
184											
185	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II EZ, w/Integral Neb, Child Mask w/Port	1057320	$64.55	$	64.55	5/bx			
186											
187	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II EZ, w/Integral Neb, LG Adult Mask w/Port	1057318	$64.55	$	64.55				
188											
189	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II EZ, w/Integral Neb, SM Adult Mask w/Port	1057319	$64.55	$	64.55				
190											
191	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II, w/Child Mask	1057211	$50.78	$	50.78	5/bx			
192											
193	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II, w/SM Adult Mask	1057210	$50.78	$	50.78	5/bx			
194											
195	Airway		MERCURY MEDICAL	CPAP System, Flow-Safe II, w/LG Adult Mask	1057209	$50.78	$	50.78	5/bx			
196											
197	Airway		CURAPLEX BY BOUND TRE	Oxygen Regulator, All-Brass, 2 DISS, 1 Barb, CGA870	EMSREG8725-B2D-BTM	$63.44	$	63.44				
198											
199	Airway		MEDSOURCE INTERNATIO	Oxygen Nasal Cannula, Adult, Conventional, Clear, Non-Flared Prongs, 7 ft tubing	24003	$0.45	$	0.45		$	22.50	50/cs
200											
201	Airway		CURAPLEX BY BOUND TRE	Oxygen Nasal Cannula, Adult, Conventional, Clear, Flared Prongs, 7 ft tubing	24004	$0.45	$	0.45		$	22.50	50/cs
202											
203	Airway		CURAPLEX BY BOUND TRE	Oxygen Nasal Cannula, Adult, Conventional, Green, 7 ft Tubing	30050	$0.45	$	0.45		$	22.50	50/cs
204											
205	Airway		CURAPLEX BY BOUND TRE	Oxygen Nasal Cannula, Pediatric, Conventional, Green, 7 ft Tubing	30056	$0.64	$	0.64		$	32.00	50/cs
206											

207	Airway		MEDLINE INDUSTRIES, IN	CANNULA INFANT 1828	HUD1828	$1.67	$	1.67		$	83.50	50/cs
208												
209	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Adult, Elongated, Partial NRB w/Vent, Reservoir Bag, 7 ft Tubing	30051	$1.15	$	1.15		$	57.50	50/cs
210												
211	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Adult, Elongated, High Conc, Partial NRB, Metal Noseclip, Reservoir Bag	25059	$1.18	$	1.18		$	59.00	50/cs
212												
213	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Adult, Elongated, High Conc, Total NRB w/o Vent, Reservoir Bag, Tubing	25060	$1.14	$	1.14		$	57.00	50/cs
214												
215	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Adult, Elongated, Total NRB w/o Vent, Reservoir Bag, 7 ft Tubing	30052	$1.15	$	1.15		$	57.50	50/cs
216												
217	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Elongated, Pediatric, Partial NRB w/Vent, Reservoir Bag, 7 ft Tubing	30053	$1.11	$	1.11		$	55.50	50/cs
218												
219	Airway		CURAPLEX BY BOUND TRE	Oxygen Mask, Infant, Elongated, Total NRB w/o Vent, Reservoir Bag, 7 ft Tubing	30058	$1.14	$	1.14		$	57.00	50/cs
220												
221	Airway		AMBU INC.	BVM, SPUR II, ADULT W/ MED ADULT MASK, INDIVIDUALLY BAGGED	520211000	$9.60	$	9.60		$	115.20	12/cs
222												
223	Airway		AMBU INC.	BVM, SPUR II, Pedi w/Neonate/Infant/Toddler Masks, Bag Reservoir, Medi Port, Boxed	530214000B	$14.78	$	14.78		$	177.36	12/cs
224												
225	Airway		AMBU INC.	BVM, SPUR II, PEDIATRIC, EXP FILTER, MANOMETER, Neonate, Infant, Toddler Mask and BVM/Set	530614017	$18.29	$	18.29		$	109.74	6/cs
226												
227	Airway		AMBU INC.	BVM, SPUR II, ADULT W/ MEDIUM ADULT MASK, INDIVIDUALLY BOXED	520211000B	$9.60	$	9.60		$	115.20	12/cs
228												
229	Airway		AMBU INC.	BVM, SPUR II, Pediatric w/Toddler Mask, Individually Boxed	530213000B	$10.78	$	10.78		$	129.36	12/cs
230												
231	Airway		AMBU INC.	BVM, SPUR II, Infant w/Neonate Mask	540211000	$9.60	$	9.60		$	115.20	12/cs
232												
233	Airway		INTERSURGICAL, INC.	VT Select BVM - Adult Mask	7159094	$17.10	$	17.10		$	136.80	8/cs
234												
235	Airway		INTERSURGICAL, INC.	VT Select BVM with Manometer, PEEP Valve, Filter - Adult Mask	7159090	$22.04	$	22.04		$	176.32	8/cs
236												
237	Airway		CURAPLEX BY BOUND TRE	BVM, Adult, Mask Size 5, Universal Connector, 7FT O2 Tubing	2442-BVM1500	$7.25	$	7.25		$	72.50	10/cs
238												
239	Airway		CURAPLEX BY BOUND TRE	BVM, Small Adult/Pediatric, Mask Size 4, Universal Connector, 7FT O2 Tubing	2442-BVM1000	$7.25	$	7.25		$	72.50	10/cs
240												
241	Airway		CURAPLEX BY BOUND TRE	BVM, Child, Mask Size 3, Universal Connector, 7FT O2 Tubing, Pop-Off Valve	2442-BVM550	$8.25	$	8.25		$	82.50	10/cs
242												
243	Airway		CURAPLEX BY BOUND TRE	BVM, Infant, Mask Size 2, Universal Connector, 7FT O2 Tubing, Pop-Off Valve	2442-BVM300	$8.25	$	8.25		$	82.50	10/cs
244												
245	Airway		CURAPLEX BY BOUND TRE	Select Sm Ad/Ped BVM Manometer PEEP Bacterial Filter	2442-BVMPSA	$14.99	$	14.99		$	149.90	10/cs
246												
247	Airway		CURAPLEX BY BOUND TRE	Select Child BVM, Manometer, Bacterial Filter, Child, Neonate, Infant Masks	2442-BVMCIN	$14.99	$	14.99		$	149.90	10/cs
248												
249	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 12 Fr, adjustable flange, disposable, sterile	1-5072-12	$2.19	$	2.19	10/bx			
250												
251	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 14 Fr, adjustable flange, disposable, sterile	1-5072-14	$2.19	$	2.19	10/bx			
252												
253	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 16 Fr, adjustable flange, disposable, sterile	1-5072-16	$2.19	$	2.19	10/bx			
254												
255	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 18 Fr, adjustable flange, disposable, sterile	1-5072-18	$2.19	$	2.19	10/bx			
256												
257	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 20 Fr, adjustable flange, disposable, sterile	1-5072-20	$2.19	$	2.19	10/bx			
258												
259	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 22 Fr, adjustable flange, disposable, sterile	1-5072-22	$2.19	$	2.19	10/bx			
260												
261	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 24 Fr, adjustable flange, disposable, sterile	1-5072-24	$2.19	$	2.19	10/bx			

262											
263	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 26 Fr, adjustable flange, disposable, sterile	1-5072-26	$2.19	$ 2.19	10/bx		
264											
265	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 28 Fr, adjustable flange, disposable, sterile	1-5072-28	$2.19	$ 2.19	10/bx		
266											
267	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 30 Fr, adjustable flange, disposable, sterile	1-5072-30	$2.19	$ 2.19	10/bx		
268											
269	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 32 Fr, adjustable flange, disposable, sterile	1-5072-32	$2.19	$ 2.19	10/bx		
270											
271	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 34 Fr, adjustable flange, disposable, sterile	1-5072-34	$2.19	$ 2.19	10/bx		
272											
273	Airway		CURAPLEX BY BOUND TRE	Nasopharyngeal airway NP, 36 Fr, adjustable flange, disposable, sterile	1-5072-36	$2.19	$ 2.19	10/bx		
274											
275	Airway		CURAPLEX BY BOUND TRE	Berman airway, 40 mm, size 00, newborn, pink, disposable, individually packaged	1-1508-40	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
276											
277	Airway		CURAPLEX BY BOUND TRE	Berman airway, 50 mm, size 0, infant, blue, disposable, individually packaged	1-1508-50	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
278											
279	Airway		CURAPLEX BY BOUND TRE	Berman airway, 60 mm, size 1, small child, black, disposable, individually packaged	1-1508-60	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
280											
281	Airway		CURAPLEX BY BOUND TRE	Berman airway, 70 mm, size 2, child, white, disposable, individually packaged	1-1508-70	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
282											
283	Airway		CURAPLEX BY BOUND TRE	Berman airway, 80 mm, size 3, small adult, green, disposable, individually packaged	1-1508-80	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
284											
285	Airway		CURAPLEX BY BOUND TRE	Berman airway, 90 mm, size 4, medium adult, yellow, disposable, individually packaged	1-1508-90	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
286											
287	Airway		CURAPLEX BY BOUND TRE	Berman airway, 100 mm, size 5, large adult, red, disposable, individually packaged	1-1508-100	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
288											
289	Airway		CURAPLEX BY BOUND TRE	Berman airway, 110 mm, size 6, x-large adult, orange, disposable, individually packaged	1-1508-110	$0.25	$ 0.25	50/bg	$ 20.00	80bg/cs
290											
291	Airway		CURAPLEX BY BOUND TRE	Suction Catheter, 6 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC06	$0.25	$ 0.25		$ 12.50	50/cs
292											
293	Airway		CURAPLEX BY BOUND TRE	Suction Catheter, 8 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC08	$0.25	$ 0.25		$ 12.50	50/cs
294											
295	Airway		CURAPLEX BY BOUND TRE	Suction Catheter, 10 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC10	$0.25	$ 0.25		$ 12.50	50/cs
296											
297	Airway		CURAPLEX BY BOUND TRE	Suction catheter, 12 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC12	$0.25	$ 0.25		$ 12.50	50/cs
298											
299	Airway		CURAPLEX BY BOUND TRE	Suction Catheter, 14 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC14	$0.25	$ 0.25		$ 12.50	50/cs
300											
301	Airway		CURAPLEX BY BOUND TRE	Suction catheter, 16 Fr, coiled, w/ whistle tip and thumb control port, sterile, disp, LF	MS-SC16	$0.25	$ 0.25		$ 12.50	50/cs
302											
303	Airway		CURAPLEX BY BOUND TRE	Suction catheter, 18 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC18	$0.25	$ 0.25		$ 12.50	50/cs
304											
305	AIRWAY		CURAPLEX BY BOUND TRE	Berman airway set, 8 sizes per set, 40, 50, 60, 70, 80, 90, 100 and 110 mm airway	792-1-1508-00EA	$2.50	$ 2.50			
306											
307	AIRWAY		CURAPLEX BY BOUND TRE	Nebulizer	301-200EA	$1.00	$ 1.00		$ 50.00	50/cs
308											
309	AIRWAY		EMI	Bite Block	0003	$0.85	$ 0.85	10/pk		
310											
311	AIRWAY		AIRLIFE	SM. Laryngoscope Bulb	303676	$3.42	$ 3.42	10/bx		
312											
313	AIRWAY		AIRLIFE	LG. Laryngoscope Bulb	308257	$3.40	$ 3.40	10/bx		
314											
315	AIRWAY		ASPEN SURGICAL PRODU	Scalpel	372610	$2.50	$ 2.50		$ 250.00	100/cs
316											

317	AIRWAY		CURAPLEX BY BOUND TRE	Pocket Mask	36045	$3.99	$ 3.99				
318											
319	AIRWAY		NORTH AMERICAN RESCU	Spear (Pneumothorax Emergency Air Release)	2160-00051	$30.45	$ 30.45				
320											
321	AIRWAY		SURGICAL DESIGN, INC	Peds Magill Forceps	0128	$3.49	$ 3.49				
322											
323	AIRWAY		LAERDAL MEDICAL CORP	ET Holders - Adult	020500	$3.40	$ 3.40				
324											
325	AIRWAY		LAERDAL MEDICAL CORP	ET Holders - Peds	020400	$3.40	$ 3.40				
326											
327	AIRWAY		PULMODYNE	Large CPAP Mask	313-7030EA	$23.65	$ 23.65		$ 236.50	10/cs	
328											
329	AIRWAY		MEDTRONIC (COVIDIEN)	Colorimetric CO2 Detector PEDS	530025	$9.56	$ 9.56	6/bx	$ 229.44	4bx/cs	
330											
331	AIRWAY		MEDTRONIC (COVIDIEN)	Colorimetric CO2 Detector Adult	530024	$9.56	$ 9.56	6/bx	$ 229.44	4bx/cs	
332											
333	AIRWAY		ALLIED MEDICAL LLC	Autovent Tubing	539090	$16.44	$ 16.44		$ 164.40	10/cs	
334											
335	AIRWAY		CURAPLEX BY BOUND TRE	Suction Canister 1200cc	2212-11200	$3.29	$ 3.29		$ 157.92	48/cs	
336											
337	AIRWAY		CURAPLEX BY BOUND TRE	Suction Canister 800cc	2212-10800	$3.02	$ 3.02		$ 302.00	100/cs	
338											
339	AIRWAY		BUSSE HOSPITAL DISPOS	Bulb Syringe	590031	$1.16	$ 1.16		$ 58.00	50/cs	
340											
341	AIRWAY		CURAPLEX BY BOUND TRE	One-Way Valve	L820300	$9.99	$ 9.99				
342											
343	AIRWAY		PULMODYNE	Small CPAP Mask	313-7028EA	$23.94	$ 23.94		$ 239.40	10/cs	
344											
345	AIRWAY		CURAPLEX BY BOUND TRE	Stick Stylet 14 fr	12998	$1.01	$ 1.01	20/bx	$ 202.00	10bx/cs	
346											
347	AIRWAY		CURAPLEX BY BOUND TRE	Stick Stylet 6 fr	12996	$1.01	$ 1.01	20/bx	$ 202.00	10bx/cs	
348											
349	AIRWAY		CURAPLEX BY BOUND TRE	Lubrication Jelly Packet	1340-27000	$0.05	$ 7.50	144/bx	$ 90.00	12bx/cs	
350											
351	AIRWAY		ZULCO INTERNATIONAL	Adult Magill Forceps	61435	$3.78	$ 3.78	12/bx			
352											
353	AIRWAY		AIRLIFE	Bougie	2120-21282	$6.00	$ 6.00	10/pk			
354											
355	AIRWAY		CURAPLEX BY BOUND TRE	ETCO2	8600-01298	$6.30	$ 63.00				
356											
357	AIRWAY		MEDSOURCE INTERNATIO	Infant NC	410336	$1.48	$ 1.48		$ 74.00	50/cs	
358											
359	AIRWAY		CURAPLEX BY BOUND TRE	O2 Regulator	14288	$63.44	$ 63.44				
360											
361	AIRWAY		CURAPLEX BY BOUND TRE	Nasal ETCO2	301-5707F-SE	$6.49	$ 6.49		$ 162.25	25/cs	
362											
363	AIRWAY		CURAPLEX BY BOUND TRE	Hepa Filter	301-439EA	$2.26	$ 2.26		$ 113.00	50/cs	
364											
365	AIRWAY		CURAPLEX BY BOUND TRE	Portable Pulse Oximeter	2711-30310	$19.99	$ 19.99				
366											
367	Equipment		CURAPLEX BY BOUND TRE	Penlights, Rainbow, colors subject to change based on availability	211	$3.96	$ 3.96	6/pk	$ 237.60	60pk/cs	
368											
369	Equipment		CURAPLEX BY BOUND TRE	Trauma Shears	2811-05524	$0.85	$ 0.85		$ 170.00	200/cs	
370											
371	Equipment		CURAPLEX BY BOUND TRE	Pediatric BP Cuff	36011	$8.49	$ 8.49		$ 424.50	50/cs	

372											
373	Equipment		CURAPLEX BY BOUND TRE	Adult BP Cuff	36012	$8.49	$	8.49		$	424.50	50/cs
374											
375	Equipment		CURAPLEX BY BOUND TRE	Adult Large BP Cuff	36013	$9.49	$	9.49		$	474.50	50/cs
376											
377	Equipment		CURAPLEX BY BOUND TRE	Stethoscope	36020	$8.50	$	8.50		$	425.00	50/cs
378											
379	Equipment		MED PLUS SERVICES USA	Wall Mounted Sharps Bracket	298519	$14.29	$	14.29		$	714.50	5/cs
380											
381	Equipment		CURAPLEX BY BOUND TRE	Backboard Strap	16683	$2.39	$	2.39		$	239.00	100/cs
382											
383	Equipment		ASSOCIATED BAG COMPA	Brown Paper Bags	4310-30635	$0.10	$	50.85	500/pk			
384											
385	Equipment		MEDSOURCE INTERNATIO	Stretcher Straps	533-MS-ST393	$9.36	$	9.36				
386											
387	Equipment		STRYKER	Lucas Cups	4510-04776	$50.66	$	607.98	12/pk			
388											
389	Equipment		CURAPLEX BY BOUND TRE	KED	15329	$54.96	$	54.96				
390											
391	Equipment		CURAPLEX BY BOUND TRE	Infant BP Cuff	36010	$9.49	$	9.49		$	474.50	50/cs
392											
393	Equipment		MACO INTERNATIONAL	Ring Cutter	400010	$7.93	$	7.93				
394											
395	Equipment		EMI	Seatbelt Cutters	K4026	$5.10	$	5.10				
396											
397	General First Aid		CURAPLEX BY BOUND TRE	Rapid Heat Instant Hot Pack, 10.5 in x 5.5in	2054	$0.60	$	0.60		$	14.40	24/cs
398											
399	General First Aid		DYNAREX CORPORATION	HOT COMPRESS 5 IN X 9	4516	$0.61	$	14.63		$	351.12	24/cs
400											
401	General First Aid		DYNAREX CORPORATION	Ice pack, Rapid Cold, Convenient Slide Off Clip, Instant Cold 6EA/BX 4BX/CS	2000	$0.63	$	0.63		$	15.12	24/cs
402											
403	General First Aid		CURAPLEX BY BOUND TRE	COLD PACK INSTANT 5.5 IN X 10 IN 24/CS RAPID COLD	2004	$0.45	$	0.45		$	10.80	24/cs
404											
405											
406	General First Aid		CURAPLEX BY BOUND TRE	Emesis Bag, 1000cc, White, Cardboard Rim w/ Hand Protection	1071-10210	$0.79	$	19.85	25/pk	$	198.50	10pk/cs
407											
408	General First Aid		NORTH AMERICAN RESCU	Arterial Tourniquet	1880-23315	$26.43	$	26.43				
409											
410	General First Aid		BAXTER HEALTHCARE-DM	Sterile water 250 cc	607112	$3.54	$	3.54		$	84.96	24/cs
411											
412	General First Aid		DICK MEDICAL SUPPLY	Padded, Short Board	660012	$2.90	$	2.90				
413											
414	General First Aid		DICK MEDICAL SUPPLY	Padded, Medium Board	660013	$4.91	$	4.91		$	368.25	75/cs
415											
416	General First Aid		DICK MEDICAL SUPPLY	Padded, Long Board	660014	$6.63	$	6.63		$	331.50	50/cs
417											
418	General First Aid		DICK MEDICAL SUPPLY	Head Blocks (Set of 2)	3141-50402	$6.63	$	6.63				
419											
420	General First Aid		TACTICAL MEDICAL SOLU	Blast Bandage	660235	$6.99	$	6.99				
421											
422	General First Aid		SAM MEDICAL	SAM Splint (Arm)	770-1410EA	$8.35	$	8.35		$	200.40	24/cs
423											
424	General First Aid		SAM MEDICAL	Sam Splint (Wrist)	3014-00515	$2.89	$	2.89		$	173.40	60/cs
425											
426	General First Aid		SAM MEDICAL	Sam Splint (Wide Leg)	3014-12104	$7.62	$	7.62		$	457.20	60/cs

427											
428	General First Aid		CURAPLEX BY BOUND TR	3" Kling	1121-36559	$0.11	$	1.35	12rl/bg	$	10.80	8bg/cs
429											
430	General First Aid		CURAPLEX BY BOUND TR	Trauma Dressing	16353	$1.00	$	1.00		$	50.00	50/cs
431											
432	General First Aid		CURAPLEX BY BOUND TR	Burn Sheet	30061MS	$2.32	$	2.32		$	116.00	50/cs
433											
434	General First Aid		CURAPLEX BY BOUND TR	Emergency Blanket	16570	$3.25	$	3.25		$	78.00	24/cs
435											
436	General First Aid		DYNAREX CORPORATION	Blue "Chux" Pad	1073-09853	$0.15	$	30.85		$	6,170.00	200/cs
437											
438	General First Aid		DYNAREX CORPORATION	Razor	540047	$0.44	$	0.44		$	110.00	250/cs
439											
440	General First Aid		CURAPLEX BY BOUND TR	Bandaids	1122-14960	$0.01	$	1.43	100/bx	$	85.80	60bx/cs
441											
442	General First Aid		CURAPLEX BY BOUND TR	6" Ace Wrap	1121-36553	$0.88	$	8.75	10pk/bx	$	43.75	5bx/cs
443											
444	General First Aid		CURAPLEX BY BOUND TR	Surgipad 5 x 9	1212-12110	$0.17	$	4.28	25/bx	$	68.48	16bx/cs
445											
446	General First Aid		CURAPLEX BY BOUND TR	Sterile 4 x 4	1212-12113	$0.09	$	4.31	50/bx	$	51.72	12bx/cs
447											
448	General First Aid		TIDI PRODUCTS, LLC	Soft Restraints	2532	$7.87	$	7.87	1/pr			
449											
450	General First Aid		CURAPLEX BY BOUND TR	Pen Light	32762	$0.66	$	3.96	6/pk	$	237.60	60pk/cs
451											
452	General First Aid		CAMBRIDGE SENSORS US	Glucose Paste	664389	$3.40	$	10.19	3/bx			
453											
454	General First Aid		CURAPLEX BY BOUND TR	Triangular Bandage	1124-32400	$0.41	$	4.91	12/pk	$	98.20	20pk/cs
455											
456	General First Aid		NORTH AMERICAN RESCU	Emergency Trauma Dressing	G1288	$7.28	$	7.28				
457											
458	General First Aid		NORTH AMERICAN RESCU	Nar Compressed Gauze	1121-30052	$2.52	$	2.52				
459											
460	General First Aid		CURAPLEX BY BOUND TR	Cohesive Bandage	1121-36571	$0.41	$	14.71	36/bx	$	88.26	6bx/cs
461											
462	General First Aid		NORTH AMERICAN RESCU	Chest Seal	NAR10-0037	$7.30	$	14.60	2/pk			
463											
464	Infection Control		ANSELL HEALTHCARE PR	Gloves, Cobalt, SM, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N191	$0.08	$	7.99	100/bx	$	79.90	10bx/cs
465											
466	Infection Control		ANSELL HEALTHCARE PR	Gloves, Cobalt, MED, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N192	$0.08	$	7.99	100/bx	$	79.90	10bx/cs
467											
468	Infection Control		ANSELL HEALTHCARE PR	Gloves, Cobalt, LG, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N193	$0.08	$	7.99	100/bx	$	79.90	10bx/cs
469											
470	Infection Control		ANSELL HEALTHCARE PR	Gloves, Cobalt, XL, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N194	$0.08	$	7.99	100/bx	$	79.90	10bx/cs
471											
472	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, XS, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XS	$0.18	$	9.05	50/bx	$	90.50	10bx/cs
473											
474	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, SM, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-S	$0.18	$	9.05	50/bx	$	90.50	10bx/cs
475											
476	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, MED, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-M	$0.18	$	9.05	50/bx	$	90.50	10bx/cs
477											
478	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, LG, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-L	$0.18	$	9.05	50/bx	$	90.50	10bx/cs
479											
480	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XL	$0.18	$	9.05	50/bx	$	90.50	10bx/cs
481											

482	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, 2XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XXL	$0.18	$ 9.05	50/bx	$ 90.50	10bx/cs
483										
484	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno EC, 3XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XXXL	$0.23	$ 9.05	40/bx	$ 90.50	10bx/cs
485										
486	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno SE, SM, Nitrile, Powder Free, Standard Textured Exam	SU-690-S	$0.10	$ 10.40	100/bx	$ 104.00	10bx/cs
487										
488	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno SE, MED, Nitrile, Powder Free, Standard Textured Exam	SU-690-M	$0.10	$ 10.40	100/bx	$ 104.00	10bx/cs
489										
490	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno SE, LG, Nitrile, Powder Free, Standard Textured Exam	SU-690-L	$0.10	$ 10.40	100/bx	$ 104.00	10bx/cs
491										
492	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno SE, XL, Nitrile, Powder Free, Standard Textured Exam	SU-690-XL	$0.10	$ 10.40	100/bx	$ 104.00	10bx/cs
493										
494	Infection Control		ANSELL HEALTHCARE PR	Gloves, Supreno SE, 2XL, Nitrile, Powder Free, Standard Textured Exam	SU-690-2XL	$0.10	$ 10.40	100/bx	$ 104.00	10bx/cs
495										
496	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, XS, Black, Nitrile, Powder Free	MK-296-XS	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
497										
498	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, SM, Black, Nitrile, Powder Free	MK-296-S	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
499										
500	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, MED, Black, Nitrile, Powder Free	MK-296-M	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
501										
502	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, LG, Black, Nitrile, Powder Free	MK-296-L	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
503										
504	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, XL, Black, Nitrile, Powder Free	MK-296-XL	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
505										
506	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight, 2XL, Black, Nitrile, Powder Free	MK-296-XXL	$0.10	$ 9.90	100/bx	$ 99.00	10bx/cs
507										
508	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, XS, Nitrile, Black, Powder Free, 9.5in	93732060	$0.07	$ 6.59	100/bx	$ 65.90	10bx/cs
509										
510	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, SM, Nitrile, Black, Powder Free, 9.5in	93732070	$0.07	$ 6.59	100/bx	$ 65.90	10bx/cs
511										
512	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, MED, Nitrile, Black, Powder Free, 9.5in	93732080	$0.07	$ 6.59	100/bx	$ 65.90	10bx/cs
513										
514	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, LG, Nitrile, Black, Powder Free, 9.5in	93732090	$0.07	$ 6.59	100/bx	$ 65.90	10bx/cs
515										
516	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, XL, Nitrile, Black, Powder Free, 9.5in	93732100	$0.07	$ 6.59	100/bx	$ 65.90	10bx/cs
517										
518	Infection Control		ANSELL HEALTHCARE PR	Gloves, MidKnight Touch 93-732, 2XL, Nitrile, Black, Powder Free, 9.5in	93732110	$0.07	$ 6.59	90/bx	$ 65.90	10bx/cs
519										
520	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, XS, Latex Free, Powder Free	USE-880-XS	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
521										
522	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, SM, Latex Free, Powder Free	USE-880-S	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
523										
524	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, MED, Latex Free, Powder Free	USE-880-M	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
525										
526	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, LG, Latex Free, Powder Free	USE-880-L	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
527										
528	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, XL, Latex Free, Powder Free	USE-880-XL	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
529										
530	Infection Control		ANSELL HEALTHCARE PR	Gloves, Ultrasense EC, 2XL, Latex Free, Powder Free	USE-880-XXL	$0.11	$ 11.39	100/bx	$ 113.90	10bx/cs
531										
532	Infection Control		ANSELL HEALTHCARE PR	Gloves, UltraSense, XS, Nitrile, Powder Free	US-220-XS	$0.08	$ 7.59	100/bx	$ 75.90	10bx/cs
533										
534	Infection Control		ANSELL HEALTHCARE PR	Gloves, UltraSense, SM, Nitrile, Powder Free	US-220-S	$0.08	$ 7.59	100/bx	$ 75.90	10bx/cs
535										
536	Infection Control		ANSELL HEALTHCARE PR	Gloves, UltraSense, MED, Nitrile, Powder Free	US-220-M	$0.08	$ 7.59	100/bx	$ 75.90	10bx/cs

537											
538	Infection Control		ANSELL HEALTHCARE PRO	Gloves, UltraSense, LG, Nitrile, Powder Free	US-220-L	$0.08	$ 7.59	100/bx	$ 75.90	10bx/cs	
539											
540	Infection Control		ANSELL HEALTHCARE PRO	Gloves, UltraSense, XL, Nitrile, Powder Free	US-220-XL	$0.07	$ 7.44	100/bx	$ 74.40	10bx/cs	
541											
542	Infection Control		O&M HALYARD, INC.	Gloves, BLACK-FIRE, XS, Powder-Free, Nitrile, Exam	44755	$0.13	$ 19.93	150/bx	$ 199.30	10bx/cs	
543											
544	Infection Control		O&M HALYARD, INC.	Gloves, BLACK-FIRE, SM, Powder-Free, Nitrile, Exam	44756	$0.13	$ 19.93	150/bx	$ 199.30	10bx/cs	
545											
546	Infection Control		O&M HALYARD, INC.	Gloves, BLACK-FIRE, MED, Powder-Free, Nitrile, Exam	44757	$0.13	$ 19.93	150/bx	$ 199.30	10bx/cs	
547											
548	Infection Control		O&M HALYARD, INC.	Gloves, BLACK-FIRE, LG, Powder-Free, Nitrile, Exam	44758	$0.13	$ 19.93	150/bx	$ 199.30	10bx/cs	
549											
550	Infection Control		O&M HALYARD, INC.	Gloves, BLACK-FIRE, XL, Powder-Free, Nitrile, Exam	44759	$0.14	$ 19.93	140/bx	$ 199.30	10bx/cs	
551											
552	Infection Control		O&M HALYARD, INC.	Gloves, KC500 Purple Nitrile, XS, Latex Free, Powder Free, 9.5 in Cuff	55080	$0.20	$ 9.88	50/bx	$ 98.80	10bx/cs	
553											
554	Infection Control		O&M HALYARD, INC.	Gloves, KC500 Purple Nitrile, SM, Latex Free, Powder Free, 9.5 in Cuff	55081	$0.20	$ 9.88	50/bx	$ 98.80	10bx/cs	
555											
556	Infection Control		O&M HALYARD, INC.	Gloves, KC500 Purple Nitrile, MED, Latex Free, Powder Free, 9.5 in Cuff	55082	$0.20	$ 9.88	50/bx	$ 98.80	10bx/cs	
557											
558	Infection Control		O&M HALYARD, INC.	Gloves, KC500 Purple Nitrile, LG, Latex Free, Powder Free, 9.5 in Cuff	55083	$0.20	$ 9.88	50/bx	$ 98.80	10bx/cs	
559											
560	Infection Control		O&M HALYARD, INC.	Gloves, KC500 Purple Nitrile, XL, Latex Free, Powder Free, 9.5 in Cuff	55084	$0.20	$ 9.88	50/bx	$ 98.80	10bx/cs	
561											
562	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip VL Gloves,SM	1012-44883	$0.04	$ 8.39	200/bx	$ 83.90	10bx/cs	
563											
564	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip VL Gloves, MED	1012-44884	$0.04	$ 8.39	200/bx	$ 83.90	10bx/cs	
565											
566	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip VL Gloves, LG	1012-44885	$0.04	$ 8.39	200/bx	$ 83.90	10bx/cs	
567											
568	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip VL Gloves, XL	1012-44886	$0.04	$ 8.39	180/bx	$ 83.90	10bx/cs	
569											
570	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip TE Gloves, SM, Black Nitrile, Powder Free	1012-47133	$0.07	$ 6.50	100/bx	$ 65.00	10bx/cs	
571											
572	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip TE Gloves, MED, Black Nitrile, Powder Free	1012-47134	$0.07	$ 6.50	100/bx	$ 65.00	10bx/cs	
573											
574	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip TE Gloves, LG, Black Nitrile, Powder Free	1012-47135	$0.07	$ 6.50	100/bx	$ 65.00	10bx/cs	
575											
576	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip TE Gloves, XL, Black Nitrile, PF	1012-47136	$0.07	$ 6.50	90/bx	$ 65.00	10bx/cs	
577											
578	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip SE Gloves, SM, Blue Nitrile, Powder Free	1012-47123	$0.07	$ 7.00	100/bx	$ 70.00	10bx/cs	
579											
580	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip SE Gloves, MED, Blue Nitrile, Powder Free	1012-47124	$0.07	$ 7.00	100/bx	$ 70.00	10bx/cs	
581											
582	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip SE Gloves, LG, Blue Nitrile, Powder Free	1012-47125	$0.07	$ 7.00	100/bx	$ 70.00	10bx/cs	
583											
584	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip SE Gloves, XL, Blue Nitrile, Powder Free	1012-47126	$0.08	$ 7.00	90/bx	$ 70.00	10bx/cs	
585											
586	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, XS, Orange Nitrile	1015-47150	$0.07	$ 6.80	100/bx	$ 68.00	10bx/cs	
587											
588	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, SM, Orange Nitrile	1015-47151	$0.07	$ 6.80	100/bx	$ 68.00	10bx/cs	
589											
590	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, MED, Orange Nitrile	1015-47152	$0.07	$ 6.80	100/bx	$ 68.00	10bx/cs	
591											

592	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, LG, Orange Nitrile	1015-47153	$0.07	$ 6.80	100/bx	$ 68.00	10bx/cs
593										
594	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, XL, Orange Nitrile	1015-47154	$0.07	$ 6.80	100/bx	$ 68.00	10bx/cs
595										
596	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip HV Gloves, 2XL, Orange Nitrile	1015-47155	$0.09	$ 6.80	80/bx	$ 68.00	10bx/cs
597										
598	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EP X2 Gloves, SM, White Ext/Green Int, PF Nitrile Exam	1015-47143	$0.16	$ 15.99	100/bx	$ 159.90	10bx/cs
599										
600	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EP X2 Gloves, MED, White Ext/Green Int, PF Nitrile Exam	1015-47144	$0.16	$ 15.99	100/bx	$ 159.90	10bx/cs
601										
602	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EP X2 Gloves, LG, White Ext/Green Int, PF Nitrile Exam	1015-47145	$0.16	$ 15.99	100/bx	$ 159.90	10bx/cs
603										
604	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EP X2 Gloves, XL, White Ext/Green Int, PF Nitrile Exam	1015-47146	$0.16	$ 15.99	100/bx	$ 159.90	10bx/cs
605										
606	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EP X2 Gloves, 2XL, White Ext/Green Int, PF Nitrile Exam	1015-47147	$0.16	$ 15.99	100/bx	$ 159.90	10bx/cs
607										
608	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EC Exam Gloves, Blue, Small	1015-47161	$0.08	$ 7.50	100/bx	$ 75.00	10bx/cs
609										
610	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EC Exam Gloves, Blue, Medium	1015-47162	$0.08	$ 7.50	100/bx	$ 75.00	10bx/cs
611										
612	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EC Exam Gloves, Blue, Large	1015-47163	$0.08	$ 7.50	100/bx	$ 75.00	10bx/cs
613										
614	Infection Control		CURAPLEX BY BOUND TRE	TritonGrip EC Exam Gloves, Blue, X-Large	1015-47164	$0.08	$ 7.50	100/bx	$ 75.00	10bx/cs
615										
616	Infection Control		ECOLAB INC	Foam Hand Cleaner	1063-72915	$8.40	$ 8.40		$ 100.80	12/cs
617										
618	Infection Control		BECTON DICKINSON	Squad Sharps Container	295488	$4.02	$ 4.02		$ 96.48	24/cs
619										
620	Infection Control		MAMMOTH MEDICAL, INC	Wall Mounted Sharps Container	298507SA	$5.39	$ 5.39		$ 107.80	20/cs
621										
622	Infection Control		O&M HALYARD, INC.	Mask w/ Shield	29080	$0.98	$ 24.51	25/bx	$ 98.04	4bx/cs
623										
624	Infection Control		CURAPLEX BY BOUND TRE	N95 Mask	670245-KIT	$29.56	$ 29.56			
625										
626	Infection Control		MEDSOURCE INTERNATIO	Spit Sock	MS-44400	$0.84	$ 0.84			
627										
628	Infection Control		ANSELL HEALTHCARE PRO	Safety Glasses	660274	$2.42	$ 2.42	1/pr	$ 29.04	12pr/cs
629										
630	Infection Control		PDI	Super-Sani Cloth	1061-17517	$0.04	$ 6.63	160/tb	$ 79.56	12tb/cs
631										
632	Infection Control		MAMMOTH MEDICAL, INC	Small Sharps Container	298303	$4.75	$ 4.75		$ 95.00	20/cs
633										
634	Infection Control		MEDEGEN MEDICAL PROI	Small Bio-Hazard Bags	520-RD650	$0.10	$ 19.46		$ 3,892.00	200/cs
635										
636	Infection Control		MEDLINE INDUSTRIES, IN	Wash Basin	1072-80347	$0.73	$ 0.73		$ 36.50	50/cs
637										
638	Infection Control		SAFETEC OF AMERICA, IN	P.A.W.S. Wipes	2034400	$0.07	$ 6.57	100/bx	$ 65.70	10bx/cs
639										
640	Infection Control		WELCH ALLYN, INC.	Thermometer Probe Covers	2733-53175	$0.04	$ 9.69	250/bx	$ 290.70	30bx/cs
641										
642	Infection Control		CURAPLEX BY BOUND TRE	Wall Mounted Emesis Bags	1071-10202	$0.53	$ 13.13	25/pk	$ 78.78	6pk/cs
643										
644	Infection Control		ANSELL HEALTHCARE PRO	Tyvek Suits	TY127SLG	$7.50	$ 7.50		$ 187.50	25/cs
645										
646	Infection Control		MEDLINE INDUSTRIES, IN	Exam Gowns	X2320	$0.66	$ 0.66			

647											
648	Infection Control		O&M HALYARD, INC.	Surgical Masks	1031-91422	$0.16	$ 8.20	50/bx	$ 82.00	10bx/cs	
649											
650	Infection Control		O&M HALYARD, INC.	Booties	290540	$0.18	$ 0.18				
651											
652	IV / Drug Admin		CURAPLEX BY BOUND TRE	IV Start Kit (Tegaderm, Alcohol, No Flush)	540-1358-A	$1.25	$ 1.25				
653											
654	IV / Drug Admin		CURAPLEX BY BOUND TRE	IV Start Kit (Tegaderm, Alcohol, No Flush, Towel)	670062-KIT	$1.29	$ 1.29				
655											
656	IV / Drug Admin		CURAPLEX BY BOUND TRE	IV Start Kit (Tegaderm, Alcohol, Flush)	670064-KIT	$2.70	$ 2.70				
657											
658	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO Powered Driver w/ Charger	D001001	$700.00	$ 700.00				
659											
660	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO 15mm Needle Kit w/ Stabilizer and Extension Set	D015151NK	$130.00	$ 130.00		$ 780.00	6/cs	
661											
662	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO 25mm Needle Kit w/ Stabilizer and Extension Set	D015251NK	$130.00	$ 130.00		$ 780.00	6/cs	
663											
664	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO 35mm Needle Kit w/ Stabilizer and Extension Set	D015351NK	$130.00	$ 130.00		$ 780.00	6/cs	
665											
666	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO 45mm Needle Kit w/ Stabilizer and Extension Set	D015451NK	$130.00	$ 130.00		$ 780.00	6/cs	
667											
668	IV / Drug Admin		BECTON DICKINSON (BAR	BD IO 55mm Needle Kit w/ Stabilizer and Extension Set	D015551NK	$130.00	$ 130.00		$ 780.00	6/cs	
669											
670	IV / Drug Admin		BECTON DICKINSON (BAR	IO DRILL CARRYING CASE	D001005	$70.00	$ 70.00				
671											
672	IV / Drug Admin		CURAPLEX BY BOUND TRE	IV Admin Set, 10 Drp, 83in, Pre-Prcd Y-Site, SrLk Ndle-Free Y Ste, Rotat Male LL	108306	$1.25	$ 1.25		$ 62.50	50/cs	
673											
674	IV / Drug Admin		CURAPLEX BY BOUND TRE	IV Admin Set, 60Drp, 83in,PP Y-Site, Sure-Lok Ndle-Free Y-Site, Rotat Male LL	608306	$1.25	$ 1.25		$ 62.50	50/cs	
675											
676	IV / Drug Admin		CURAPLEX BY BOUND TRE	Extension Set, 8 in, Removable Sure-Lok, NeedleFree Connect, Rotating Male LL	AE3108	$100.00	$ 100.00		$ 5,000.00	50/cs	
677											
678	IV / Drug Admin		CURAPLEX BY BOUND TRE	Pressure Infuser	350310	$8.06	$ 8.06	5/bx	$ 40.30	5bx/cs	
679											
680	IV / Drug Admin		B. BRAUN MEDICAL INC.	3-Way Stopcock	1811-03456	$0.72	$ 0.72		$ 72.00	100/cs	
681											
682	IV / Drug Admin		CURAPLEX BY BOUND TRE	14 ga. Catheter	602594	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
683											
684	IV / Drug Admin		CURAPLEX BY BOUND TRE	16 ga. Catheter	602586	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
685											
686	IV / Drug Admin		CURAPLEX BY BOUND TRE	18 ga. Catheter	602560	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
687											
688	IV / Drug Admin		CURAPLEX BY BOUND TRE	20 ga. Catheter	602535	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
689											
690	IV / Drug Admin		CURAPLEX BY BOUND TRE	22 ga. Catheter	602519	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
691											
692	IV / Drug Admin		CURAPLEX BY BOUND TRE	24 ga. Catheter	602500	$1.35	$ 1.35	50/bx	$ 270.00	4bx/cs	
693											
694	IV / Drug Admin		DYNAREX CORPORATION	Betadine Prep	609153	$0.05	$ 4.99	100/bx	$ 49.90	10bx/cs	
695											
696	IV / Drug Admin		CURAPLEX BY BOUND TRE	Alcohol Prep	1330-85300	$0.01	$ 2.50	200/bx	$ 50.00	20bx/cs	
697											
698	IV / Drug Admin		CURAPLEX BY BOUND TRE	Tegaderm Dressing	661469MS	$0.16	$ 15.78	100/bx	$ 63.12	4bx/cs	
699											
700	IV / Drug Admin		MAMMOTH MEDICAL, INC	18 ga. Hypodermic Needle	1641-42018	$0.09	$ 0.09	100/bx	$ 180.00	20bx/cs	
701											

702	IV / Drug Admin		MAMMOTH MEDICAL, INC	20 ga. Hypodermic Needle	11317	$0.09	$ 0.09	100/bx	$ 180.00	20bx/cs
703										
704	IV / Drug Admin		MAMMOTH MEDICAL, INC	23 ga. Hypodermic Needle	620408	$0.08	$ 8.20	100/bx	$ 164.00	20bx/cs
705										
706	IV / Drug Admin		MAMMOTH MEDICAL, INC	25 ga. Hypodermic Needle	30-26406BX	$0.08	$ 8.20	100/bx	$ 164.00	20bx/cs
707										
708	IV / Drug Admin		MAMMOTH MEDICAL, INC	27 ga. Hypodermic Needle	11309	$0.11	$ 0.11	100/bx	$ 220.00	20bx/cs
709										
710	IV / Drug Admin		MAMMOTH MEDICAL, INC	1 cc Syringe	620048	$0.17	$ 17.38	100/bx	$ 173.80	10bx/cs
711										
712	IV / Drug Admin		B. BRAUN MEDICAL INC.	3 cc syringe	1633-30303	$0.07	$ 0.07	100/bx	$ 168.00	24bx/cs
713										
714	IV / Drug Admin		B. BRAUN MEDICAL INC.	5 cc syringe	1633-05305	$0.10	$ 0.10	100/bx	$ 200.00	20bx/cs
715										
716	IV / Drug Admin		B. BRAUN MEDICAL INC.	10 cc Syringe	1633-10010	$0.12	$ 0.12	100/bx	$ 144.00	12bx/cs
717										
718	IV / Drug Admin		B. BRAUN MEDICAL INC.	20 cc Syringe	1633-20720	$0.29	$ 0.29	100/bx	$ 232.00	8bx/cs
719										
720	IV / Drug Admin		B. BRAUN MEDICAL INC.	30 cc Syringe	1633-30430	$0.46	$ 0.46	100/bx	$ 276.00	6bx/cs
721										
722	IV / Drug Admin		MAMMOTH MEDICAL, INC	25G Butterfly Needle	30-27708BX	$0.54	$ 0.54		$ 270.00	500/cs
723										
724	IV / Drug Admin		MAMMOTH MEDICAL, INC	23G Butterfly Needle	30-27706BX	$0.76	$ 38.04	50/bx	$ 380.40	10bx/cs
725										
726	IV / Drug Admin		DYNAREX CORPORATION	1" Clear Tape	1110-08402	$0.60	$ 7.15	12/bx	$ 85.80	12bx/cs
727										
728	IV / Drug Admin		CURAPLEX BY BOUND TRE	2" Cloth Tape	1110-14008	$1.67	$ 9.99	6/bx	$ 119.88	12bx/cs
729										
730	IV / Drug Admin		CURAPLEX BY BOUND TRE	Tourniquet	1841-14000	$0.08	$ 19.88	250/bg	$ 39.76	2bg/cs
731										
732	Monitoring		MASIMO	Pediatric Pulse Oximeter	2712-51418	$15.24	$ 15.24			
733										
734	Monitoring		DYNAREX CORPORATION	Acetone Wipes	279-1501BX	$0.06	$ 5.82	100/bx	$ 58.20	10bx/cs
735										
736	Monitoring		CURAPLEX BY BOUND TRE	EKG Paper 108mm	2745-10108	$2.49	$ 2.49	1/rl	$ 149.40	60rl/ct
737										
738	Monitoring		STRYKER	PAPER EKG 100MM LP11, LP12, LP15, LP35 2RL/BX LifePak	11240-000032	$13.10	$ 13.10	2rl/bx	$ 26.20	
739										
740	Monitoring		CURAPLEX BY BOUND TRE	ZOLL X-Series Paper, 80mm, Red Grid, 6/bx	8000-000876-01	$2.49	$ 2.49		$ 186.75	75rl/cs
741										
742	Monitoring		CURAPLEX BY BOUND TRE	Select Defib Pads, Physio Adult/Child Combo, Leads Out Direct Connect	6600208H	$20.73	$ 20.73		$ 207.30	10pr/cs
743										
744	Monitoring		CURAPLEX BY BOUND TRE	Select Multi-Function Defib Pads, Physio-Control Pediatric/Infant	6600201H	$21.79	$ 21.79		$ 217.90	10pr/cs
745										
746	Monitoring		CURAPLEX BY BOUND TRE	Select Multi-Function Defib Pads, Physio-Control Adult/Child	6600205H	$19.95	$ 19.95		$ 199.50	10pr/cs
747										
748	Monitoring		CURAPLEX BY BOUND TRE	Select Defib Pads, Zoll Adult/Child Combo, Leads Out Direct Connect	6600209H	$23.72	$ 23.72		$ 237.20	10pr/cs
749										
750	Monitoring		CURAPLEX BY BOUND TRE	Select Multi-Function Defib Pads, Zoll Pediatric/Infant	6600202H	$21.47	$ 21.47		$ 214.70	10pr/cs
751										
752	Monitoring		CURAPLEX BY BOUND TRE	Select Multi-Function Defib Pads, Zoll Adult/Child	6600206H	$20.51	$ 20.51		$ 205.10	10pr/cs
753										
754	Monitoring		LINKS MEDICAL PRODUCT	Fora GD20 Blood Glucose Meter, Black, Free w/Purchase of Strips *Approved for Multi-patient Use*	GD20FM01-BLK	$8.54	$ 8.54			
755										
756	Monitoring		LINKS MEDICAL PRODUCT	Fora GD20 Test Strips CLIA MODERATE 50/ bottle *Approved for Multipatient Use* (one bottle per box)	GD20FS50	$0.18	$ 9.00	50/bx		

757											
758	Monitoring		LINKS MEDICAL PRODUCT	SOLUTION CONTROL BLOOD GLUCOSEHI/LO FORA GD20 2/BX	GD20FCS01	$4.50	$ 9.00	1/bx		
759											
760	Monitoring		ARKRAY USA, INC.	*SEE NOTES* Blood Glucose Meter, Assure Prism Multi*Approved for Multipatient Use*	530001	$6.10	$ 6.10			
761											
762	Monitoring		ARKRAY USA, INC.	Blood Glucose Test Strips, Assure Prism Multi CLIA WAIVED 50/bt 1bt/box *Approved for Multi pt Use*	530050	$0.20	$ 10.00	50/bx		
763											
764	Monitoring		ARKRAY USA, INC.	Control Solution, Assure Prism Multi, L1 and L2, 1 bottle of EA/BX	530006	$10.00	$ 10.00			
765											
766	Monitoring		CURAPLEX BY BOUND TRE	Assure Prism Orange Kit BASIC, incl Meter, Orange Case, 2 Bt Test Strips	670161-KIT	$24.00	$ 24.00			
767											
768	Monitoring		AMBU INC.	Electrodes, BlueSensor SP, Medium Size, Pediatric/Adult, Foam	SP-00-S/50	$0.24	$ 12.00	50/pk	$ 24.00	2bx/cs	
769											
770	Monitoring		AMBU INC.	Electrodes, BlueSensor SP, Medium Size, Pediatric/Adult	R-00-S-25	$0.30	$ 7.50	25/pk	$ 300.00	40pk/cs	
771											
772	Monitoring		AMBU INC.	Electrodes, BlueSensor R, Adult, Foam	SP-00-S/10	$0.26	$ 2.55	10/pk	$ 510.00	200pk/cs	
773											
774	Monitoring		AMBU INC.	Electrodes, BlueSensor R, Adult, Foam	R-00-S/10	$0.30	$ 2.95	10/pk, 50pk/bx	$ 5.90	2bx/cs	
775											
776	Monitoring		CURAPLEX BY BOUND TRE	Foam Electrode, Wet Gel 50mm x 48mm	2741-50487	$0.09	$ 5.25	60/pk, 15pk/bx	$ 31.50	6bx/cs	
777											
778	Monitoring		CURAPLEX BY BOUND TRE	Foam Electrode, Wet Gel 50mm x 48mm	2741-50486	$0.13	$ 0.75	6/pk, 100pk/bx	$ 4.50	6bx/cs	
779											
780	Monitoring		CURAPLEX BY BOUND TRE	Foam Electrode, wet gel 50mm x 48mm	2741-50485	$0.11	$ 1.12	10/pk, 80pk/bx	$ 6.72	6bx/cs	
781											
782	Monitoring		CURAPLEX BY BOUND TRE	Foam Electrode, Wet Gel 50mm x 48mm	2741-50484	$0.14	$ 0.55	4/pk, 150pk/bx	$ 3.30	6bx/cs	
783											
784	Monitoring		MAMMOTH MEDICAL, INC	ELECTRODES, MEDI-TRACE SERIES 530, ADULT	31013926	$0.16	$ 4.75	30/pk	$ 95.00	20pk/cs	
785											
786	Monitoring		MAMMOTH MEDICAL, INC	ECG electrode, Medi-Trace 230, adult, foam, teardrop shape, cond. adhesive hydrogel	31078135	$0.21	$ 6.24	30/pk	$ 124.80	20pk/cs	
787											
788	Monitoring		STRYKER	DEFIB/PACING/ECG PADS PEDI W/ QUIK-COMBO CONNECTOR FOR LP15, LP12, LP10, LP5	11996-000093	$40.83	$ 40.83	1/pr			
789											
790	Monitoring		STRYKER	DEFIB/PACING/ ECG PADS ADULT W/QUIK-COMBO CONNECTOR 2FT LEAD, LP12, LP15	11996-000091	$32.79	$ 32.79	10pr/bx	$ 163.95	5bx/cs	
791											
792	Monitoring		STRYKER	Defib/Pacing/ECG Pads, EDGE RTS, w/QUIK-COMBO Connector, Radiotransparent, Lifepak 12, 15, 20, 1/pr	11996-000090	$40.83	$ 40.83				
793											
794	Monitoring		ZOLL MEDICAL CORPORA	Zoll CPR Stat Padz, HVP Multi-Function CPR Electrodes, for Zoll M, E, X, R Series, AED Plus/Pro 1/PR	8900-0400	$88.21	$ 88.21				
795											
796	Monitoring		ZOLL MEDICAL CORPORA	STAT PADZ II PEDIATRIC FOR ZOLL AED PLUS, AED PRO, M Series, R Series and E Series	8900-0810-01	$141.32	$ 141.32				
797											
798	Monitoring		ZOLL MEDICAL CORPORA	STAT PADZ II ADULT FOR ZOLL AED PLUS X Series, AED PRO, M Series, R Series and E Series	8900-0802-01	$47.66	$ 47.66				
799											
800	Monitoring		ZOLL MEDICAL CORPORA	Zoll Stat Padz, Multi-Function Defibrillation Pads, works with Zoll M Series and Zoll X	8900-4003	$47.96	$ 47.96				
801											
802	Monitoring		CURAPLEX BY BOUND TRE	Microstream Advance, Adlt, Oral/Nasal, Non-Intubated, w/ Female O2 Connector, Short Term Use, 6.5ft	MVAO100U	$6.49	$ 6.49		$ 162.25	25/cs	
803											
804	Monitoring		CURAPLEX BY BOUND TRE	Microstream Advance, Ped, Oral/Nasal, Non-Intubated, w/ No O2 Delivery, Short Term Use, 6.5ft	MVP	$6.76	$ 6.76		$ 169.00	25/cs	
805											
806	Monitoring		MEDTRONIC (COVIDIEN)	Microstream Advance, Inf & Neo, Nasal Cannula, Non-Intubated w/o O2 Delivery, Short Term Use, 6.5ft	MVIN	$9.95	$ 9.95				
807											
808	Monitoring		CURAPLEX BY BOUND TRE	Microstream Advance, Adlt & Ped, Intubated Filter Line, Short Term Use, 6.5ft	MVAI100U	$6.34	$ 6.34		$ 158.50	25/cs	
809											
810	Monitoring		AMBU INC.	CO2 Detector, Ambu, Adult, 12ea/cs	000172712	$9.24	$ 9.24		$ 110.88	12/cs	
811											

812	Monitoring		AMBU INC.	CO2 Detector, Ambu, Pediatric 12/cs	000172713	$9.24	$	110.93		$ 1,331.16	12/cs
813											
814	OB		CURAPLEX BY BOUND TR	OB Kit	4440010-B	$9.85	$	9.85			
815											
816	PT Handling		CURAPLEX BY BOUND TR	MegaMover Transport Unit, 40 in x 80 in, Non-woven/Poly, White/Black, 14 Handles	51926	$14.99	$	14.99		$ 149.90	10/cs
817											
818	PT Handling		CURAPLEX BY BOUND TR	MegaMover Transport Chair, 35 in x 35 in, Nonwoven/Poly, White/Yellow	56307	$11.25	$	11.25		$ 112.50	10/cs
819											
820	PT Handling		AMBU INC.	Extrication Collar, Ambu Mini Perfit ACE, Pediatric, Adjustable 12 Settings	000281106	$4.50	$	4.50		$ 135.00	30/cs
821											
822	PT Handling		AMBU INC.	Extrication Collar, Ambu Perfit ACE, Adult, Adjustable 16 Settings	000281000	$4.50	$	4.50		$ 135.00	30/cs
823											
824	PT Handling		CURAPLEX BY BOUND TR	Extrication Collar, Mini, Single-use, Adjustable, 6 Settings	472004000	$4.00	$	4.00		$ 120.00	30/cs
825											
826	PT Handling		CURAPLEX BY BOUND TR	Extrication Collar, Adult, Single-use, Adjustable, 8 Settings	472003000	$4.00	$	4.00		$ 120.00	30/cs
827											
828	PT Handling		CURAPLEX BY BOUND TR	Cot Sheet, Fitted, Taylor G-Force, Blue, 36 in x 90 in, Fluid Resistant	90-GFRC3690	$2.50	$	75.00		$ 2,250.00	30/cs
829											
830	PT Handling		CURAPLEX BY BOUND TR	Cot Sheet, Fitted, 30 in x 84 in, Resistant, Blue	90-BSS3084	$1.30	$	65.00		$ 3,250.00	50/cs
831											
832	PT Handling		CURAPLEX BY BOUND TR	Mattress Cover, SnugFit, Expandable, Blue, Nonwoven	72930	$1.30	$	65.00		$ 3,250.00	50/cs
833											
834	PT Handling		CURAPLEX BY BOUND TR	EMS STANDARD SHEET SNUGFIT 30 IN X 84 IN	44547	$1.20	$	60.00		$ 3,000.00	50/cs
835											
836	PT Handling		CURAPLEX BY BOUND TR	Flat Sheet, 40 in x 90 in, Tissue/Poly, White/Blue	52166	$0.73	$	36.54		$ 1,827.00	50/cs
837											
838	PT Handling		CURAPLEX BY BOUND TR	SPACE RESCUE BLANKET MYLAR FOIL 84 X 52	3537	0.49	$	0.49		$ 98.00	200/cs

MANUFACTURER LIST PRICE DISCOUNT BY CATEGORY

For Evaluation Purposes this section will be based on the discounts submitted by the Vendor below. Please submit a percentage (%) discount from Manufacturer's List Price (MLP) for non-core items. Vendors must submit the following:

A. Catalogs w/Manufacturers current price List (Vendor Catalog or link to website are both acceptable where list prices are shown)
B. Percent of Discount per MLP

Failure to submit the information will be considered non-responsive and will result in vendor disqualification.

CATEGORY	%OFF MANUFACTURER'S LIST PRICE	NAMES OF MANUFACTURER'S REPRESENTED
Bandages & Dressings Adhesive Bandages, Gauze Products, Self-Adhesive Bandages, Elastic Bandages Surgical Tape, IV Dressings, Trauma & Specialty Bandages Hemostatic Agents, Burn Care, Heat Packs, Cold Packs and Emergency Obstetric Supplies	40%	Please see attachment.
Infection Control Latex Gloves, Latex Free Gloves, Glove Accessories, Respirators & Facemasks, Respirator Fit Test Kits, Protective Eyewear, Ear Plugs, Antimicrobial Hand Wipes, Hand Soaps, Sanitizers & Lotions, Sharps Safety Under pads, Surface Disinfectants, High-Level Disinfectants, Personal Protection, Biohazard Spill Kits & Supplies and Biohazard Waste Bags	40%	Please see attachment.
IV & Pharmaceuticals Needle-Free Solution Sets, Needle-Free Extension Sets, Needle-Free IV Sets, Specialty IV Systems, Standard IV Sets, IV Accessories, IV Preparation, IV Dressings, IV Catheters, Needles & Syringes, Blood Collection, Solutions, Irrigation, Emergency Medications and Bone Injection Guns	37%	Please see attachment.
Diagnostic Equipment Pulse Oximeter, Blood Pressure Cuffs, Stethoscopes, Thermometers, Penlights, EKG Electrodes, Defib Supplies, Magil Forceps & Flashlights	35%	Please see attachment.
Immobilization & Extrication Backboards, Backboard straps, Cervical Collars, Head Immobilizers, Mast Pants, Tractions splints, Disposable and reusable Splints, Basket stretchers & Scoop Stretchers	40%	Please see attachment.
Patient Transport Equipment	30%	Please see attachment.

CATEGORY	%OFF MANUFACTURER'S LIST PRICE	NAMES OF MANUFACTURER'S REPRESENTED
Cot Accessories, patient Restraints, Cot Blankets, Cot Sheets, Stair Chairs, soft stretchers, clipboards, triage vests & triage supplies	30%	Please see attachment.
Equipment Bags & Cases i.e. Oxygen bags, stocked oxygen kits, trauma bags, airway bags, ALS bags, drug bags & boxes, first call in bags, rescue packs, fanny packs & rescue bags	35%	Please see attachment.
Medical Education & Training AED trainers, CPR manikins, intubation trainers, Defib manikins, EKG simulators, IV training arms, ALS training manikins, Choking Manikins & Rescue Randy	32%	Please see attachment.
Airway Management Endotracheal Tubes, Stylettes, Endotracheal Tube, Holders, Oral Airways, Nasal Airways, Difficult Airways Double Lumen Airways, Laryngeal Masks, Airway Detectors, Airway Accessories, Laryngoscope, Blades, Hand Powered Suction Units, Suction Catheters, Suction, Canisters, Disposable Suction Supplies and Specialized Tubing	37%	Please see attachment.
Breathing & Respiratory Equip. Disposable Resuscitators (BVM's), CPR First Response Supplies, Valves / Adapters, Connectors, Regulators, Flowmeters, Oxygen Cylinders, Oxygen, Delivery Supplies, Nebulizers and CPAP Ventilation	35%	Please see attachment.
Disaster Preparedness Coveralls, ear protection, fit test kits, gloves, head protection, oxygen manifolds, respiration masks & hoods, traffic control & triage	37%	Please see attachment.
Tools & Personal Items Field guides, forceps, scalpels, holsters, shears & scissors, penlights, ring cutters, hammers, seat belt cutters & window punches	40%	Please see attachment.

A. Please visit www.boundtree.com for current vendor catalog and pricing

MANUFACTURER LIST PRICE REMAINING LINE DISCOUNT

For Evaluation Purposes this section will be based on the discounts submitted by the Vendor below. Please submit a percentage (%) discount from Manufacturer's List Price (MLP) for your remaining line of products:

A. Catalogs w/Manufacturers current price List (Vendor Catalog or link to website are both acceptable where list prices are shown)
B. Percent of Discount per MLP

Failure to submit the information will be considered non-responsive and will result in vendor disqualification.

ITEM	%OFF MANUFACTURER'S LIST PRICE
REMAINING LINE DISCOUNT(S) NOT LISTED ABOVE	40%

Bound Tree

To Whom It May Concern:

In response to your Bid #rfp-fh-25-25-2525, Bound Tree Medical is pleased to offer specific categories off the prices from the current Bound Tree Medical Emergency Medical Product Catalog. These items are also available for reference on our website, www.boundtree.com.

Product Categories 35% Off		**Product Categories 40% Off**
Diagnostic Equipment		Bandages
Equipment Bags & Cases		Infection Control
Breathing & Respiratory Equipment		Immobilization & Extrication
		Tools & Personal Items
Product Categories 32% Off		Remaining Items Not Listed Above
Medical Education & Training		
		Product Categories 37% Off
Product Categories 30% Off		IV & Pharmaceuticals
Patient Transport Equipment		Airway Management
		Disaster Preparedness

We are pleased to provide you with a competitive bid for the emergency medical supplies and equipment that you are seeking. Please contact our Bids and Contracts Department at 800-533-0523 with any questions. Thank you.

Sincerely,

Heather Legg

Heather Legg
Pricing Analyst
Bound Tree Medical, LLC

CITY OF FARMINGTON HILLS
DEPARTMENT OF CENTRAL SERVICES
PURCHASING DIVISION

31555 ELEVEN MILE ROAD
FARMINGTON HILLS, MI 48336-1165
www.fhgov.com

PHONE 248-871-2435

AUTHORIZATION OF PROPOSAL

PAYMENT METHOD

Does your company accept MasterCard (or other credit card) for payment as well? _X_ YES _____ NO

If yes, please state any applicable discounts or additional fees associated for this method of payment.

N/A

Please select company's preferred payment method:

____ Check – minimally 60 days from receipt of order

_X_ ACH – 45 days from receipt of invoice

____ Credit Card – 20 days from receipt of invoice

ACKNOWLEDGEMENT OF OFFICIAL DOCUMENTS

I Rob Meriweather, certify that I have read section 3 (Official Documents) of the invitation to bid and that the bid proposal documents contained herein were obtained directly from the City of Farmington Hills Purchasing Office or MITN website, www.mitn.info and is an official copy of the authorized version.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE_____

FORMAL AUTHORIZATION

The undersigned herein submits this proposal and agrees to enter into an agreement with the City of Farmington Hills on behalf of the aforementioned entities, SMEMS COOPERATIVE and MITN Purchasing Cooperative in accordance with the Contract documents. In submitting this completed and signed proposal, it is understood that the right is reserved by the City of Farmington Hills to reject any or all bids and to make such award that, in the opinion of the City Council, is in the best interest of the City of Farmington Hills.

Signature _____ **Company** Bound Tree Medical, LLC

Printed Rob Meriweather **Address** 5000 Bradenton Ave.

Title President, EP **City/State/Zip** Dublin, OH 43017

Date 12/02/2025 **Phone** 800-533-0523 **Fax** 877-311-2437

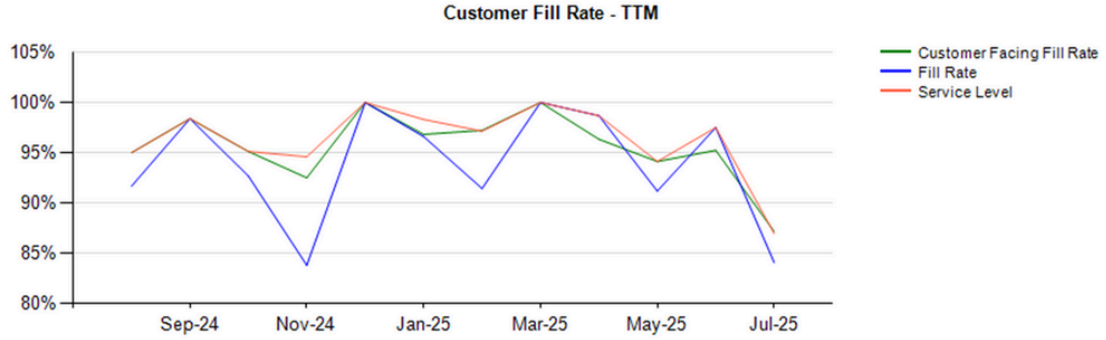
Contact Person Heather Legg **Cell phone** 614-760-5179

Email submitbids@boundtree.com **website** www.boundtree.com

FEIN: 31-1739487

Examples of our Customer Scorecard highlighting our fill rate performance out of all warehouses, including backordered items

	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Total
Total Lines	60	62	41	40	28	63	36	24	82	34	42	70	582
Stock on Demand - Filled	0	0	0	2	1	3	1	2	4	0	1	1	15
Stock on Demand - Backordered	0	0	0	1	0	1	0	0	2	0	1	0	5
Stocked Item - Filled from Primary WH	55	61	38	31	27	57	32	22	75	31	39	58	526
Stocked Item - Filled from Secondary WH	2	0	1	4	0	1	2	0	0	1	0	2	13
Stocked Item - Backordered	3	1	2	2	0	1	1	0	1	2	1	9	23
Total Backorder Lines	3	1	2	3	0	2	1	0	3	2	2	9	28
Fill Rate	91.67 %	98.39 %	92.68 %	83.78 %	100.00 %	96.61 %	91.43 %	100.00 %	98.68 %	91.18 %	97.50 %	84.06 %	93.59 %
Service Level	95.00 %	98.39 %	95.12 %	94.60 %	100.00 %	98.31 %	97.14 %	100.00 %	98.68 %	94.12 %	97.50 %	86.96 %	95.91 %
% BO Lines to Total Lines	5.00 %	1.61 %	4.88 %	7.50 %	0.00 %	3.18 %	2.78 %	0.00 %	3.66 %	5.88 %	4.76 %	12.86 %	4.81 %
Customer Facing Fill Rate	95.00 %	98.39 %	95.12 %	92.50 %	100.00 %	96.83 %	97.22 %	100.00 %	96.34 %	94.12 %	95.24 %	87.14 %	95.19 %



Examples of a cost savings opportunity with Curaplex

Item	UOM	Description	Qty	Price	Ext.Price
1015-70702	2000/CS	Gloves, KC300 Sterling, MED, Nitrile, Exam, Pow der Free, 9.5 in 200/bx 10bx/cs	15	$ 265.10	$ 3,976.50
1012-47124	1000/CS	Curaplex TritonGrip SE Gloves, MED, Blue Nitrile, Pow der Free 100/bx 10bx/cs	30	$ 71.90	$ 2,157.00
				Savings w ith MED Curaplex Gloves	**$ 1,819.50**
1015-70803	2000/CS	Gloves, KC300 Sterling, LG, Nitrile, Exam, Pow der Free, 9.5 in 200/bx 10bx/cs	19	$ 265.10	$ 5,036.90
1012-47125	1000/CS	Curaplex TritonGrip SE Gloves, LG, Blue Nitrile, Pow der Free 100/bx 10bx/cs	38	$ 71.90	$ 2,732.20
				Savings w ith LARGE Curaplex Gloves	**$ 2,304.70**

Item Number	Item Description	Price	Sub Item Number	Sub Item Description	Sub Price	Price Difference
22850	ELECTRODES MEDI-TRACE 850 RADIOLUCENT FOAM 50/PK 20PK/CS	$167.76	2741-50487	Curaplex Foam Electrode, Wet Gel 50mm x 48mm 60/pk 15pk/bx 6bx/cs	$90.58	$77.18
1714-83092	Ext Set, 8 in, Needleless, Clamp, MedSource Connector, Luer Lock Connector 100/cs	$128.66	1714-31081	Curaplex 8" Exten Set, RmvbleSure-Lok, NeedleFree Connect, Rotating Male LL 1/EA 50EA/CS	$59.50	$69.16
1712-83163	IV Admin Set, 60 Drop, 83 in, Needle-free Y-site, Rotary Luer Lock, Clamp 50/cs	$77.42	1712-60830	Curaplex IV Admin Set, 60Drp, 83in,PP Y-Site,Sure-Lok Ndle-Free Y-Site, Rotat Male LL 1	$75.00	$2.42
541310	DEFIB PADS MEDTRONIC QUIK-COMBO (2ea=1pk) 10PK/CS	$31.66	16384	Curaplex Select Multi-Function Defib Pads, Physio-Control Adult/Child >10KG/22LBS 10pr/cs	$17.95	$13.71
533-MS-BP200EA	Blood pressure unit BP, large adult, black, nylon adjustable cuff, metal valve, case, LF 50ea/cs	$8.99	36013	Curaplex Manual Blood Pressure Cuff , LG Adult, with Case 50ea/cs	$7.47	$1.52
533-MS-BP100EA	Blood pressure unit BP, adult, black, nylon adjustable cuff, metal inflation valve, case, LF 50ea/cs	$8.09	36012	Curaplex Manual Blood Pressure Cuff, Adult, with Case 50ea/cs	$7.53	$0.56
236086	DEFIB/PACING/ ECG PADS ADULT W/QUIK-COMBO CONNECTOR 2FT LEAD, LP12, LP15 1/PR 10PR/BX 5BX/CS	$25.30	16384	Curaplex Select Multi-Function Defib Pads, Physio-Control Adult/Child >10KG/22LBS 10pr/cs	$17.95	$7.35
232023	EKG PAPER 100MM FOR LP11, LP12 AND LP15 18RL/CS LifePak	$5.60	2745-10108	Curaplex ECG Chart Paper, Thermal,108mm,Red Grid, for Physio-Control LP11, LP12 , LP15 1/RL 60RL/CT	$1.39	$4.21
1712-83110	IV Admin Set, 10 Drop, 83 in, Needle Free Y site, 1 Luer Connector 50ea/cs	$1.54	1712-10830	Curaplex IV Admin Set, 10 Drp, 83in, Pre-Prcd Y-Site, SrLk Ndle-Free Y Ste, Rotat Male LL 50EA/C	$1.09	$0.45
10847	Pillow Case, Disp., Graham 47256, 21 in x 30 in, tissue/poly, white 100ea/cs	$33.00	3271-44125	Curaplex Disposable Pillow Case, 22x30 inches Tissue/Poly, White 100/CS	$18.00	$15.00

Gary Proctor, MA, Paramedic IC
Director

Sean Bowers, BA, Paramedic IC
Deputy Director

2872 Hansen Road
West Branch, MI 48661
Phone: 989-345-4503

November 13, 2025

City of Farmington Hills
Purchasing Department
31555 W. 11 Mile Rd
Farmington Hills, MI 48336-1103

RE: Southeast Michigan EMS Supply Purchasing Consortium/MITN Contract

Board of Directors,

With the upcoming review and bid process for the above referenced EMS supply contract I am writing to express my support for Bound Tree Medical. Having served as the EMS Captain for the West Bloomfield Fire Department for 10 years and voting member of the Board of Directors for this contract, and in my current position as the Director of the Ogemaw County EMS Authority, I am intimately familiar with this contract and the history of it.

Over the years this contract has been served by many different suppliers. Some of these suppliers have been strong partners, others that started out strong and then over time lost sight of the customer service aspect and needs of the departments participating. I can say without hesitation that Bound Tree and their entire staff have by far provided the highest level of service to this contract that I can recall.

Because of this dedication to the contract and the departments throughout our great state and region that participate in the consortium I would like to offer my highest recommendation to continue this contract with Bound Tree.

Kindest Regards,

Gerard F. Proctor, MA, Paramedic IC
Director
Ogemaw County EMS Authority

Cc: Dan O'Brian

CITY MANAGER'S REPORT TO MAYOR AND COUNCIL

DATE: 01/26/2026

DEPT: FIRE DEPARTMENT

RE: AWARD OF BID FOR EMERGENCY MEDICAL SUPPLIES AND EQUIPMENT

ADMINISTRATIVE SUMMARY

- Request for proposals were advertised, available on the MITN e-procurement system and opened on November 25, 2025, by the City of Farmington Hills on behalf of the **Southeast Michigan Emergency Medical Supplies Cooperative (SMEMS)** with extensions to the MITN Purchasing Cooperative. Notification of solicitation was sent to over three hundred (300) vendors (including one-hundred seventeen 117 vendors that hold the classification of minority owned, woman owned, veteran owned, disabled, disadvantaged or service disabled), with eight (8) responding. Over 300 SMEMS members are represented in this solicitation, including entities such as Farmington Hills, Birmingham, Bloomfield Township, St. Clair Shores, Sterling Heights, Royal Oak, Southfield, Waterford Township, and West Bloomfield Township. The estimated combined local annual purchase volume is approximately $3 million.

- The specifications called for volume discount pricing on highly used emergency medical products including incident expendable supplies as well as training supplies and equipment. These items were determined by the SMEMS to be the most often ordered and made up approximately 60% of their medical supplies budget. Also requested as part of the specification was a contracted additional discount off the published list price for full-line categories such as diagnostic, immobilization, extrication and disaster preparedness equipment. The final pricing required fixed additional discount off any remaining items in their catalog.

- A committee comprised of City staff and SMEMS members reviewed and evaluated all proposals and conducted interviews with the shortlisted firms—Bound Tree Medical, Henry Schein, Inc., and Life-Assist Inc. The committee recommends awarding the contract to Bound Tree Medical. Their fee schedule remains highly competitive, and as the current contract holder, they continue to demonstrate extensive knowledge and a strong commitment to emergency medicine. Bound Tree Medical employs clinicians who assist agencies with training on new products and techniques, offers a streamlined ordering process, maintains a user-friendly

website, and continue to have excellent references. City staff and SMEMS members are confident that Bound Tree Medical is the most qualified and cost-effective provider of these vital supplies and equipment.

- Funding for these products is budgeted and available in the Fire Department supply account. The City of Farmington Hills estimated annual expenditure under this contract is $80,000.

EVALUATION POINT TABULATION –(FULL EVALUATION ATTACHED)

Name	City/State	Written & Priced Response Point Award	Interview Point Award	Total Point Award
Bound Tree Medical	**Dublin, OH**	**84**	**52**	**136**
Dash Medical Gloves	Franklin, WI	70	N/A	70
Edelwise Med Supplies	Woodbridge Township, NJ	41	N/A	41
Henry Schein	**Melville, NY**	**82**	**45.5**	**127.5**
J & B Medical Supply	Wixom, MI	66	N/A	66
Life-Assist Inc.	**Rancho Cordova, CA**	**73**	**49.5**	**122.5**
McKesson Medical-Surgical Government Solutions	Henrico, VA	74	N/A	74
Penn Care	Niles, OH	67	N/A	67

RECOMMENDATION

In view of the above, it is recommended that City Council authorize the (Acting) City Manager to sign a contract with Bound Tree Medical and issue budgeted purchase orders for a two (2) year term for emergency medical supplies and equipment and for four (4) additional one (1) year terms under the same terms and conditions upon mutual consent of the City and vendor.

# # #

Prepared by: Michelle Aranowski, Director of Central Services
Reviewed by: Jason Olszewski, Deputy Fire Chief
Reviewed by: Jon Unruh, Fire Chief
Approved by: Karen Mondora, Acting City Manager

CITY OF FARMINGTON HILLS
RFP-FH-25-26-2525
Emergency Medical Supplies

Concern =Minus 5 points
Recommend for Award

Written Response		40	30	30	100	100	
Company	**City/State**	**Short History Vendor information, Continuity Plan & Exceptions to agreement**	**Discount Proposal**	**Products Specified**	**Proposal Eval**	**Interview**	**Total Points**
Bound Tree Medical NOTES & EXCEPTIONS	Dublin, OH	**30** Included. Established in 1978. Became part of holding company in 2008 when Bound Tree Medical and Tri-anim Health Services became subsidiaries of Sarnova, Inc. Acquired Concordance Healthcare Solutions in 2019 and integrated Emergency Medical Products in 2024. Approx. 300 employees (3 local). William Waite would be our representative and has been for the last 6 years. ***References include City of Columbus Division of Fire, Priority Ambulance and Baltimore City Fire Department.*** 5 distribution center located nationwide. Primary warehouse would be Greenwood, IN and secondary would be Elizabethtown, PA. Generally orders received and processed before 2 p.m. local are shipped the same day**.** Dedicated order processing team & real-time pricing and stock availability 24/7. Order via phone, email or via the internet. Items are deemed obsolete when there has been no movement for 2 years. Once an item's sales have begun to decrease the buyer may reach out to vendor for a return. If fees are assessed Sarnova will absorb shipping & restocking fees. Additional savings with UCapIT (Controlled Access Vending Machine) and Operative IQ software. 5 free CE accredited courses at www.BoundTreeUniversity.com. Disaster support hotline. Once notified of an incident Bound Tree can ship from all over the country in order to get needed supplies. ***Noted on Table of Contents information regarding sample agreement but did not include.*** Included COOP plan**.** They will extend to MITN.	**30** Highest % of discount. (40%) Tied for highest	**24** 65% of the product listed are as specified. 35% of the items are alternate curaplex brands from current use items. 1 no bid.	**84**	**52**	**136**
Dash Medical Gloves NOTES & EXCEPTIONS	Franklin, WI	**30** Over 35 years experience. ***Gloves only*** . Noel Clausen would be our representative; 20 years experience, 1 year with Dash. ***References include Franklin Fire Department, New Berlin Fire Department and Lombard Fire Department (no local presence).*** 35 full time staff. Warehouse and/or store front location is in Franklin, WI. Orders can be placed on line, call, text or email. Free shipping. They manufacture and sell direct. ***They will not extend to the MITN group.***	**30** Highest % of discount (gloves only) (40% off) Tied for highest	10 100% of the gloves are alternate brand.	**70**	0	**70**
Edelwise Med Supplies NOTES & EXCEPTIONS	Woodbridge Township, NJ	**20** ***3 years experience.*** Syed Navish will be our representative. ***References include Galveston County Health District, Willow Point Nursing and rehab and Atlantic County Government. 5 full time and 3 part time employees.*** Warehouse and/or store front location in Edison, NJ. Orders may be placed by phone, email or mailing a PO to the administrative office. 95% in stock levels at all times. ***2-5 business days for delivery.*** They do provide a rebate program based on annual aggregate contract spend. They will extend to MITN.	**0** Lowest % of discount (10%) Tied for last place	**21** 50% of the product listed are as specified. 50% of the items are alternate brands from current use items. A few "No-Bids."	**41**	**0**	**41**
Henry Schein NOTES & EXCEPTIONS	Melville, NY	**30** 94 years experience in this work. ***(6 years ago they said they have 37 years experience in the EMS marketplace.)*** Jennifer Rolls will be our account representative along with Pam Baron. Over 19,000 employees - In Southeast Michigan they have 115 part time. ***References include several fire departments located throughout the country, no Michigan references25.*** Closest US Distribution center is in Indianapolis, IN. Orders can be placed by phone, fax, email, on-line or with an phone app. ***Items are shipped same day but will take 5-10 business days to arrive.*** Real-time order tacking. Orders can be place 24 hours per day. They do have a COOP plan. They will extend to MITN.	**25** Second highest % discount (34%) (Second place)	**27** 75% of the product listed are as specified. 25% of the items are alternate brands from current use items. A few "No-Bids."	**82**	**45.5**	**127.5**
J & B Medical Supply NOTES & EXCEPTIONS	Wixom, MI	**35** Established 1996. James Waak, Sales Manager and Holly Banos Territory Manager will be our representatives. 467 full-time & 29 part-time employees, 269 in SE MI. References include City of Detroit Fire/EMS, Bloomfield Township Fire and Redford Twp. Fire. Warehouse located in Wixom, MI ***(only one warehouse, no redundancy).*** Orders can be place by Phone, Fax or via the website. The Co-op group pricing is displayed as part of our own specific catalog**.** They offer buy back or credit on obsolete items if a member chooses with a restocking fee within 30 days. All orders received prior to 3:00 p.m. E.S.T. will be shipped out the same day or next. Will stock core items and non-core items purchased on a regular basis. Have Oracle Cloud Fusion to monitor product life cycle: Active Discontinue or Inactive. Quarterly reviews for keeping the core list up to date. Comprehensive COOP plan .J & B will perform free training on all equipment & supplies offered. J & B offers a SMEMS Grant program up to $50,000 (see response). They took zero exceptions to the proposed agreement. They will extend to MITN.	**10** Second lowest % discount. (15%) Fifth place	**21** 50% of the product listed are as specified. 50% of the items are alternate brands from current use items. A few "No-Bids."	**66**	**0**	**66**
Life-Assist Inc.	Rancho Cordova, CA	**35**	**20**	**18**	**73**	**49.5**	**122.5**

NOTES & EXCEPTIONS		48 years experience. Bob Otter would be our representative just hired in October 2025. ***References include New Orleans Ems, Kansas City Fire and community Fire Protection District. (no local presence)*** 131 full time employees and 1 part time. 2 warehouses located in Rancho Cordova, CA and Lenexa, Kansas with 90,000 sq. foot of combined warehouse space. A new warehouse is Charlotte is up and coming. Orders can be placed online, phone, email or through integrated platforms such as PSTrax and Operative IQ. Orders placed before 4PM PST will ship the same day. Rebates are offered with annual term spend (refer to response for details) They also offer on site training. 15% off capital & training equipment and operations. They will extend to the MITN.	Third highest % discount (31%) Third place	25% of the product listed are as specified. 75% of the items are alternate brands from current use items. - Several "No-Bids."			
McKesson Medical-Surgical Government Solutions NOTES & EXCEPTIONS	Henrico, VA	**35** Included. Started in 1969. Rob Thomas will be our representative, 21 years experience. 75 full time employees. ***References include City of Santa Barbar FD, Sterling CO FD and AZ Fire and Medical Authority (no local presence).*** Warehouse is located in Columbus, OH. Orders are placed on line through Supply Manager. Deliveries occur within 1-3 day and non stock items 2-4 weeks. Order received before 1:00 p.m. local time will be shipped the same day. They will extend to MITN.	**15** Forth highest % discount (30%) Forth place	**24** 60% of the product listed are as specified. 40% of the items are alternate brands from current use items. - Several "No-Bids."	**74**	**0**	**74**
Penn Care NOTES & EXCEPTIONS	Niles, OH	**30** 38 years experience. Michael Vlaiku will be our representative and Tyler Keeley is the Sales Manager. 45 full time and 10 part time. ***References include City of Pittsburgh EMS, Louisville Metro EMS and Niagara County Emergency Services .*** Warehouse is located in Niles, OH.10,000 ft. warehouse. Orders and be placed on line or via email. Free shipping ***but they did not indicate turnaround time.*** Will extend to the MITN.	**10** Lowest % of discount (10%) Tied for last place	**27** 75% of the product listed are as specified. 25% of the items are alternate brands from current use items. A few "No-Bids."	**67**	**0**	**67**

CITY OF FARMINGTON HILLS
RFP-FH-25-26-2525
Emergency Medical Supplies
MLP Discount Tabulation

Category	BOUNDTREE	DASH MEDICAL GLOVES	EDELWISE MED SUPPLIES	HENRY SCHEIN	J & B	Life-Assist Inc.	McKesson Medical-Surgical Government	Penn
Bandages & Dressings Adhesive Bandages, Gauze Products, Self Adhesive, Elastic Bandages, Surgical Type dressings, Heat packs & Emergency Obstetric Supplies	**40%** full list in response	**No Bid**	**10%** McKesson, Dynarex, MedSource, Dukal, Hartmann, Medline	**34.0%** Off Current List Price-See Website.	**15%** Pro Advantage, Covidien, Dynarex, J&J, Microdot, Zmedica, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** MedSource Int., Dukal, NAR, Dynarex, Covidien
Infection Control Latex Gloves, Latex Free Gloves, Glove Accessories, Respirators & Facemasks, Respirator Fit Test Kits, Protective Eyewear, Ear Plugs, Antimicrobial Hand Wipes, Hand Soaps, Sanitizers & Lotions, Sharps Safety Under pads, Surface Disinfectants, High-Level Disinfectants, Personal Protection, Biohazard Spill Kits & Supplies and Biohazard Waste Bags	**40%** full list in response	**40%** Dash Medical Gloves	**10%** McKesson, Dynarex, Medline, Kimberly-Clark, Crosstex, Dukal	**34.0%** Off Current List Price-See Website.	**15%** Ansell, Halyard, Innovative Health Care, American Nitrile, BD, Biomedical, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** IHC, Halyard, Microflex, Cardinal Health, Ecolabs
IV & Pharmaceuticals Needle-Free Solution Sets, Needle-Free Extension Sets, Needle-Free IV Sets, Specialty IV Systems, Standard IV Sets, IV Accessories, IV Preparation, IV Dressings, IV Catheters, Needles & Syringes, Blood Collection, Solutions, Irrigation, Emergency Medications and Bone Injection Guns	**37%** full list in response	**No Bid**	**10%** McKesson, B. Braun, Baxter, Medline, Dynarex, BD	**34.0%** Off Current List Price-See Website. Excludes vaccines and COVID test	**15%** Medsource, BD, Braun, Exel, Persys Medical, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** B Braun, Becton Dickinson, Medsource Int., Excel
Diagnostic Equipment Pulse Oximeter, Blood Pressure Cuffs, Stethoscopes, Thermometers, Penlights, EKG Electrodes, Defib Supplies, Magil Forceps & Flashlights	**35%** full list in response	**No Bid**	**10%** McKesson, American Diagnostic Corp (ADC), Dynarex, Medline	**34.0%** Off Current List Price-See Website.	**15%** Drive Medical, MedSource, ADC, Ambu, Covidien, ConMed, Leonard, Lang, Medtronic, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Medsource Int., Ambu, Vermed, Zoll, Kendall, Physio Control
Immobilization & Extrication Backboards, Backboard straps, Cervical Collars, Head Immobilizers, Mast Pants, Tractions splints, Disposable and reusable Splints, Basket stretchers & Scoop Stretchers	**40%** full list in response	**No Bid**	**10%** MedSource, North American Rescue (NAR), Dynarex, FERNO (if allowed), Hartwell	**34.0%** Off Current List Price-See Website.	**15%** Dick Medical, Allied Healthcare, Sam Medical, Ferno, Graham Medical, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com. Excludes capital & training equipment	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Laerdal, Medsource Int., Ambu
Patient Transport Equipment Cot Accessories, patient Restraints, Cot Blankets, Cot Sheets, Stair Chairs, soft stretchers, clipboards, triage vests & triage supplies	**30%** full list in response	**No Bid**	**10%** MedSource, Dynarex, Medline, NAR, FERNO accessories	**34.0%** Off Current List Price-See Website.	**15%** Medsource, Ferno, Stryker, Avalon Papers, Graham Medical, Taylor Healthcare, DisasterManagement Supplies, Etc. *All Manufacturers	**15%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Taylor Health Care, Medline, Graham Medical, Medsource Int.

Equipment Bags & Cases i.e. Oxygen bags, stocked oxygen kits, trauma bags, airway bags, ALS bags, drug bags & boxes, first call in bags, rescue packs, fanny packs & rescue bags	**35%** full list in response	**No Bid**	**10%** MedSource, StatPacks (if applicable), Dynarex, Meret	**34.0%** Off Current List Price-See Website.	**15%** Iron Duck, Meret, Allied, Stat Packs, Medsource, Pelican, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Statpaks, Meret, Iron Duck, PAX, Conterra
Medical Education & Training AED trainers, CPR manikins, intubation trainers, Defib manikins, EKG simulators, IV training arms, ALS training manikins, Choking Manikins & Rescue Randy	**32%** full list in response	**No Bid**	**10%** Laerdal, PRESTAN, Dynarex, MedSource	**34.0%** Off Current List Price-See Website.	**15%** Nasco/Simulaids, Ambu, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Simulaids, Nasco, Laerdal
Airway Management Endotracheal Tubes, Stylettes, Endotracheal Tube, Holders, Oral Airways, Nasal Airways, Difficult Airways Double Lumen Airways, Laryngeal Masks, Airway Detectors, Airway Accessories, Laryngoscope, Blades, Hand Powered Suction Units, Suction Catheters, Suction, Canisters, Disposable Suction Supplies and Specialized Tubing	**37%** full list in response	**No Bid**	**10%** McKesson, MedSource, Dynarex, Teleflex, Mercury Medical	**34.0%** Off Current List Price-See Website.	**15%** Ambu, Medsouce, Laerdal, i-Gel, Airlife, SunMed, Covidien, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Intersurgical, AirLife, Infinium Medical, UE Medical Devices, Ambu
Breathing & Respiratory Equip. Disposable Resuscitators (BVM's), CPR First Response Supplies, Valves / Adapters, Connectors, Regulators, Flowmeters, Oxygen Cylinders, Oxygen, Delivery Supplies, Nebulizers and CPAP Ventilation	**35%** full list in response	**No Bid**	**10%** Ambu, MedSource, Dynarex, Teleflex, Mercury Medical	**34.0%** Off Current List Price-See Website.	**15%** Ambu, Laerdal, FloTec, Allied, Meret, Mercury Medical, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Ambu, Mercury Medical, Medsource Int. Pulmodyne
Disaster Preparedness Coveralls, ear protection, fit test kits, gloves, head protection, oxygen manifolds, respiration masks & hoods, traffic control & triage	**37%** full list in response	**No Bid**	**10%** Dynarex, MedSouce, NAR, Medline	**34.0%** Off Current List Price-See Website.	**15%** Flotec, Disaster Mgt. Supplies, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** 3M, Safetec of America, Honeywell
Tools & Personal Items Field guides, forceps, scalpels, holsters, shears & scissors, penlights, ring cutters, hammers, seat belt cutters & window punches	**40%** full list in response	**No Bid**	**10%** Dynarex MedSource, McKesson, Rescue Essentials	**34.0%** Off Current List Price-See Website.	**15%** N.A.R., Medsource, DMS, ADC, Etc. *All Manufacturers	**31%** Life-Assist Inc., Life-Assist.com	**30%** Refer to MMSGS attached catalog for list of manufacturers	**10%** Medsource Int., Dukal, Dynarex
REMAINING LINE DISCOUNT	**40%**	**40% Gloves**	**10%**	**34% excludes vaccines and COVID test**	**15%**	**31% off Catalog List Prices on Disposable Goods & Pharmaceuticals, 15% off Capital, & Training Equipment & Operations (Excludes Inventory Management Solutions & Sale Items**	**28%**	**10%**

Interview ☐ Site Demo

Item		Bound Tree - 1:00 Notes		Henry Schein - 2:00 Notes		Life-Assist - 3:00 Notes
Question & Answer-5 points each						
Give us general information about how our account will be structured. If more than one warehouse where do we call for orders, etc. Describe the method or protocol for ordering items and the series of events that take place once the order is placed.	5	SE 6 other rep. Primary warehouse Greenwood IN. 5 different warehouse. Email, website (Primary) supply list, drops into the ERP system before 3 gets put on a FedEx truck for next day delivery. Or, reach out to Madison for further direction. If the entity finds themselves desperate for a product, William will obtain it himself. Orders placed by 3:00, will be shipped the next day. The green bubble indicated it is in stock. Yellow means it is in stock at another facility.	4.5	Henry Schein Medical. EMS a free standing adjacent. Distribution centers - 5 different, warehouses. IN. Primary, secondary Denver PA. PO can be emailed go to appropriate location. Full service e commerce(website) enter online. 2 day shipping out of IN. Close of business based on east coast time. They use UPS. Can do overnight deliveries. CPU you can pick up the items. Not just a cookie cutter approach. No charge on normal shipping.	4	Flexible for ordering the process. On line, call fax. Customer number 99% fill core items. 1-800 is answered in CA. The East coast customer services center is imminent. General contract members, 2 day shipping. KS is primary shipping warehouse.
Where does your sales representative reside? How big of an area or how many accounts do they oversee? Will this person be assigned to the cooperative or the area? Is the sales representative licensed as a State of Michigan EMS practitioner or instructor coordinator? Do your employees have clinical training requirements?	5	4 paramedic IC. Can offer credits for the training. Geographically located throughout the state to assist our account. Dan O'Brien in the west, Bret mid portion, another rep up to mid Michigan. Clinically trained - quarterly requirements just like firefighters. The non clinic people are trained as well. William covers the 3 counties.	4	Jennifer and Pam both live in OH. Jennifer is stationary remote. Pam would be boots on the ground. No Michigan EMS practitioner. Highly accredited with high credentials. 19 team members with Pre hospital, military, EMT (paramedic) and fire.	4	Resides in OH. Bob covers 2 states OH and MI. Primary contact. No license or instructor coordinator. Used to be a firefighter for 26 years, Grandville, OH. Preferred experience is in EMS. Products they need training in they bring in their customer services/care. They will bring in the product team.
How much of your overall business is specifically for Emergency Medical Supplies? What is your estimated growth or decline of that piece of your business?	5	100%. EMS PD and FD. They continue to grow in the organization. Growing 4%-10% per year. 65% of the market.	5	Dedicated to the pre hospital (EMS). Also work with health and wellness. Predominate is paramedical space. 40 Million is EMS. 12 Billion dollar in sales. 9% on average increase. Will bring on new personal to help with growth.	4.5	100% EMS for 50 years. 100% employee owned. Life assist owns most of the west coast for EMS. Last 6-7 years making growth east of the Mississippi. Moving toward the East in a very calculated growth. Did not provide a estimated growth %.
How are deliveries handled? How many delivery Trucks & staff do you have? Or - Is a third party used for deliveries?	5	No, the do not have their own delivery company. Typically shipping method is FedEx. LTL carrier	4	No, the do not have their own delivery company. Use UPS. 48 hours to the user. They UPS global #1 customer. Standard delivery. Does not charge for normal freight delivery.	4	UPS is primary. Freight FedEx XPO. Preferred Delivery method in our account. No freight for our orders
What has your company done to minimize the impact of tariffs on the customer?	5	They have been absorbing the tariffs. They also negotiate with companies and move the customer to different products. There is someone that lobby's that some medical supplies should be exempt from the tariffs. Meet monthly with FDA.	3	Ongoing topic. Brought in additional inventory to offset the impact. Contract are honored and adhered to so they didn't absorb.	5	Have absorbed all the tariffs except in October, they had to pass them through. Some of tariffs were passed on.
What do you see as the challenges of the breadth of the Cooperative?	5	William does not see of any challenges. Madison is directly responsible for the contract.	2	"Unforeseen" is the biggest challenge. Not knowing the procedures, logistical challenges. Front of the line in allocation. They jump front and center. HS was not clear that we needed 300 different billing addresses and shipping locations.	5	National buying cooperative already through MPP. 400 accounts already. Multiple entities under one contract.
Do you charge restocking fees? What is your policy for returns & how are they processed?	3.5	No restocking fees within the 45 days from the order. Madison will process the RMA. Returns specialist. Outside of the 45 days you will get a restocking fee. A special order will receive a stocking fee. $10 shipping label to return the product.	5	No restocking fee within the 90 day period. Non stocking items is contingent on the manufacturer. RMA is issued, once the product return is received, credit is applied.	4	No. Some products will have a restocking fee. Most likely the fees will be waived. Returned within 45 days.
Elaborate on training opportunities your company provides to the entities. How do you handle training/in-service of new equipment for an agency with multiple shifts?	5	With proper planning they create a training to cover all the shifts or train the trainer. Bound Tree EDU website. Number of people in the area so the training can be covered.	4	Partner with manufacturer for the training. Will participate in training.	4	Depends on the equipment. Manufacturers will be present. All depends on the project and can support a 4 shift platoon.
On a scale of 1-10 how would you personally rate your customer service and why?	5	9. Madison received 100 out of 100. 98% of the time the order if filled correctly.	4	8. Corporate support. Own support team, that handles pre hospital space. Communications issues. East coast to west coast. Gave his 2 gals an 11.	5	11. Spent a 1.5 weeks in CA. They know the products and customers professionalism. Someone always answers the phone.

Give us an example where your clients weren't satisfied with your work? What happened? How was it rectified?	3.5	Humans that are entering, picking, delivering the order. Accidents happen. Mispicks, got through scale, or sent the incorrect thing. Tell us something that isn't true. Stand behind. Did not answer the question.	5	2 new hires, 1 is taking over for a retiree. Large account, leaving the licensure area in a hitch. Up front and communicate with the entity. Pick up the phone and take care of issues head on.	5	Only been with the company since October. Mistakes happen. Own up to it. The tariff was passed on by mistake, transparency, ownership, fix it.
Total Question & Answer	47		40.5		44.5	

CITY OF FARMINGTON HILLS

RFP-FH-25-26-2525

Emergency Medical Supplies

Core Item Tabulation

FOR EVALUATION PURPOSES PRICES LISTED ARE THE COMPONENT PRICE

Alternate

Line #	Item Category	Subcategory (if applicable)	Mfg.	Description	Part #	BOUND TREE MEDICAL	COMPONENT PRICE	DASH MEDICAL GLOVES	COMPONENT PRICE	EDELWISE MED SUPPLIES	COMPONENT PRICE	HENRY SCHEIN INC.	COMPONENT PRICE	J & B MEDICAL SUPPLY	COMPONENT PRICE	LIFE ASSIST, INC.	COMPONENT PRICE	McKESSON MEDICAL SURGICAL GOVERNMENT SOLUTIONS	COMPONENT PRICE	PENN CARE	COMPONENT PRICE
N/A	*SAMPLE*	*SAMPLE SUB*	*CONMED*	*ADULAT DIAPHORETIC*	*123456*																
1	Airway			i-gel Plus O2 Resus Pack, MED Adult, incl size 4 i-gel O2, for Pts 50-90kg	8804030	INTERSURGICAL, INC.	$25.00	No bid	No bid	INTERSURGICAL, INC. 2114-87302	$53.13	Intersurgical	$31.00	INTERSURGICAL	$33.33	Intersurgical	$29.25	INTERSURGICAL INC	$34.66	Intersurgical	$31.20
2																					
3	Airway			i-gel Plus O2 Resus Pack, LG Adult, incl size 5 i-gel O2, for Pts 90 plus kg	8805030	INTERSURGICAL, INC.	$25.00	No bid	No bid	INTERSURGICAL, INC. 2114-87303	$53.13	Intersurgical	$31.00	INTERSURGICAL	$33.33	Intersurgical	$29.25	INTERSURGICAL INC	$34.66	Intersurgical	$31.20
4																					
5	Airway			I-GEL SUPRAGLOTTIC AIRWAY FOR NEONATES (SIZE 1) 5-11 LBS (2-5 KG)	8201000	INTERSURGICAL, INC.	$15.64	No bid	No bid	Intersurgical I-gel	$28.75	Intersurgical	$15.30	INTERSURGICAL	$20.00	Intersurgical	$14.25	INTERSURGICAL INC	$17.63	Intersurgical	$15.65
6																					
7	Airway			I-GEL SUPRAGLOTTIC AIRWAY FOR INFANTS (SIZE 1.5) 11-25 LBS (5-12 KG)	8215000	INTERSURGICAL, INC.	$15.64	No bid	No bid	Intersurgical I-gel	$28.75	Intersurgical	$15.30	INTERSURGICAL	$20.00	Intersurgical	$14.25	INTERSURGICAL INC	$17.63	Intersurgical	$15.65
8																					
9	Airway			I-GEL SUPRAGLOTTIC AIRWAY FOR SMALL PEDIATRICS (SIZE 2) 22-55 LBS (10-25 KG)	8202000	INTERSURGICAL, INC.	$15.64	No bid	No bid	Intersurgical #8202000	$32.50	Intersurgical	$15.30	INTERSURGICAL	$20.00	Intersurgical	$14.25	INTERSURGICAL INC	$17.63	Intersurgical	$15.65
10																					
11	Airway			I-GEL SUPRAGLOTTIC AIRWAY FOR LG PEDIATRICS (SIZE 2.5) 55-77 LBS (25-35 KG)	8225000	INTERSURGICAL, INC.	$15.64	No bid	No bid	Intersurgical #8225000	$32.50	Intersurgical	$15.30	INTERSURGICAL	$20.00	Intersurgical	$14.25	INTERSURGICAL INC	$17.63	Intersurgical	$15.65
12																					
13	Airway			Air-Q sp3G Size 3.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60305	AIRLIFE	$17.50	No bid	No bid	Airlife 2114-60305	$41.25	Sunmed	$13.30	SALTER	$22.71	AirLife	$28.00	HOLDINGS DBA AIRLIFE	$21.38	AirLife	$21.50
14																					
15	Airway			Air-Q sp3G Size 4.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60405	AIRLIFE	$17.50	No bid	No bid	Airlife 2114-60405	$41.25	Sunmed	$13.30	SALTER	$24.81	AirLife	$28.00	HOLDINGS DBA AIRLIFE	$21.38	AirLife	$21.50
16																					
17	Airway			Air-Q sp3G Size 5.0 Intubating Laryngeal Airway, Self-Pressurizing with Gastric Access	60505	AIRLIFE	$17.50	No bid	No bid	Airlife 2114-60505	$41.25	Sunmed	$13.30	SALTER	$22.71	AirLife	$28.00	HOLDINGS DBA AIRLIFE	$21.38	AirLife	$21.50
18																					
19	Airway			Air-Q sp3G Kit SIZE 3 with Connector, ET Tube Holder, and Lube Jelly	670274-KIT	CURAPLEX BY BOUND TREE	$23.00	No bid	No bid	670274-KIT	$52.50	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
20																		HOLDINGS DBA AIRLIFE	$21.38		
21	Airway			Air-Q sp3G Kit SIZE 4 with Connector, ET Tube Holder, and Lube Jelly	670275-KIT	CURAPLEX BY BOUND TREE	$23.00	No bid	No bid	670275-KIT	$52.50	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
22																		HOLDINGS DBA AIRLIFE	$21.38		
23	Airway			Air-Q sp3G Kit SIZE 5 with Connector, ET Tube Holder, and Lube Jelly	670276-KIT	CURAPLEX BY BOUND TREE	$23.00	No bid	No bid	670276-KIT	$52.50	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
24																		HOLDINGS DBA AIRLIFE	$21.38		
25	Airway			King LTS-D Supraglottic Airway Kit Size 3 Yellow	KLTSD433	AMBU INC.	$32.25	No bid	No bid		$62.50	Ambu	$31.77	AMBU	$40.38	Ambu	$30.00	AMBU INC	$38.82	Ambu	$34.00
26																					
27	Airway			King LTS-D Supraglottic Airway Kit Size 4 Red	KLTSD434	AMBU INC.	$32.25	No bid	No bid		$62.50	Ambu	$31.77	AMBU	$40.38	Ambu	$30.00	AMBU INC	$38.82	Ambu	$34.00
28																					
29	Airway			King LTS-D Supraglottic Airway Kit Size 5 Purple	KLTSD435	AMBU INC.	$32.25	No bid	No bid		$62.50	Ambu	$31.77	AMBU	$40.38	Ambu	$30.00	AMBU INC	$38.82	Ambu	$34.00
30																					
31	Airway			UE Scope VL460 Monitor, Case, and Charger	460-1200	UE MEDICAL DEVICES INC.	$1,682.69	No bid	No bid		$3,750.00	UE Medical	$1,705.88	No bid	No bid	UE Medical Devices, Inc.	$1,575.00	No bid	No bid	UE Medical Devices	$1,781.93
32																		AMBU INC	$1,410.88		
33	Airway			Single Use Blade Size D0 for UESCOPE 2 (VL460)	010-3201	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid	UE Medical Devices, Inc.	$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
34																					
35	Airway			Single-Use Blade MD1	010-3211	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid		$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
36																					
37	Airway			Single Use Blade Size D1 for UESCOPE 2 (VL460)	010-3210	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid		$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
38																		BOUND TREE MEDICAL LLC	$54.27		
39	Airway			Single Use Blade Size D2 for UESCOPE 2 (VL460)	010-3220	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid		$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00			UE Medical Devices	$48.33
40																		BOUND TREE MEDICAL LLC	$54.27		
41	Airway			Single Use Blade Size D3 for UESCOPE 2 (VL460)	010-3230	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid		$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00			UE Medical Devices	$48.33
42																		BOUND TREE MEDICAL LLC	$54.27		
43	Airway			Single Use Blade Size D4 for UESCOPE 2 (VL460)	010-3240	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid		$100.00	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00			UE Medical Devices	$48.33
44																		BOUND TREE MEDICAL LLC	$54.27		
45	Airway			MAC 3 Non Hyper Angulated Blade	010-3236	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid	CURAPLEX 2145-13403	$17.50	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
46																					
47	Airway			MAC 4 Non Hyper Angulated Blade	010-3246	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid	CURAPLEX 2145-13404	$17.50	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
48																					
49	Airway			Single-Use Channeled Blade J3	010-3293	UE MEDICAL DEVICES INC.	$43.00	No bid	No bid	INFINIUM MEDICAL, INC. 2146-00015	$58.75	UE Medical	$46.28	No bid	No bid	UE Medical Devices, Inc.	$43.00	No bid	No bid	UE Medical Devices	$48.33
50																					
51	Airway			UE Intubation Stylet, P1 (Pediatric)	131-1102	UE MEDICAL DEVICES INC.	$40.45	No bid	No bid	No bid	No bid	UE Medical	$42.72	No bid	No bid	UE Medical Devices, Inc.	$40.00	No bid	No bid	UE Medical Devices	$30.36
52										Flexicare #038-967-022U	$55.00			DYNAREX	$4.80						
53	Airway			UE Intubation Stylet, P2 (Adult)	131-1101	UE MEDICAL DEVICES INC.	$28.90	No bid	No bid	No bid	No bid	UE Medical	$30.52	No bid	No bid	UE Medical Devices, Inc.	$30.00	No bid	No bid	UE Medical Devices	$30.36
54										Flexicare	$55.00			DYNAREX	$4.80						
55	Airway			OneScope Pro Video Laryngoscope	1726785	CURAPLEX BY BOUND TREE	$1,899.99	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
56										Intessurgical	$173.75			AIRLIFE	$2,000.00	UE Medical Devices, Inc.	$1,575.00			Infinium Medical	$1,396.13
57	Airway			OneScope Pro - Neonatal Size 1 Blade	3010001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
58										CURAPLEX	$50.00					UE Medical Devices, Inc.	$43.00				
59	Airway			OneScope Pro - Pediatric Size 2 Blade	3020001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
60										CURAPLEX	$50.00			AIRLIFE	$16.00	UE Medical Devices, Inc.	$43.00			Infinium Medical	$8.71
61	Airway			OneScope Pro - Angulated Adult Size 3 Blade	3031001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
62										CURAPLEX	$50.00			AIRLIFE	$16.33	UE Medical Devices, Inc.	$43.00			Infinium Medical	$8.71
63	Airway			OneScope Pro - Angulated Adult Size 4 Blade	3041001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
64										CURAPLEX	$50.00			AIRLIFE	$16.00	UE Medical Devices, Inc.	$43.00			Infinium Medical	$8.71
65	Airway			OneScope Pro - Direct Adult Mac 3 Blade	3034001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	CURAPLEX	$50.00	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
66										CURAPLEX	$56.25			AIRLIFE	$16.33	UE Medical Devices, Inc.	$43.00	FLEXICARE INC	$19.01		

67	Airway			OneScope Pro - Direct Adult Mac 4 Blade	3044001	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	CURAPLEX	$50.00	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
68										Medtronic MITG	$25.00			AIRLIFE	$16.33	UE Medical Devices, Inc.	$43.00	FLEXICARE INC	$19.01		
69	Airway			OneScope Pro Disposable Rigid Stylet	1004	CURAPLEX BY BOUND TREE	$7.50	No bid	No bid	ONE-AI HEALTHCARE, IN	$25.00	No bid	No bid	No bid	No bid			No bid	No bid	No bid	No bid
70										DRE MED	$140.00					UE Medical Devices, Inc.	$30.00				
71	Airway			Laryngoscope Blade, Greenline, Mac 1, Fiber Optic, Disposable, Stainless Steel	5-5332-01	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	AIRLIFE 2142-60203	$22.50	Sunmed	$3.64	SUNMED	$7.06	AirLife	$7.50	HOLDINGS DBA AIRLIFE	$103.93	SunMed	$7.59
72														MEDSOURCE	$4.81						
73	Airway			Laryngoscope Blade, Greenline, Mac 2, Fiber Optic, Disposable, Stainless Steel	5-5332-02	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	Sun Med #5-5332-02	$15.00	Sunmed	$3.64	SUNMED	$7.06	AirLife	$7.50	No bid	No bid	SunMed	$7.59
74										AIRLIFE 2142-60223	$25.00			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.91		
75	Airway			Laryngoscope Blade, Greenline, Mac 3, Fiber Optic, Disposable, Stainless Steel	5-5332-03	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$8.00	AirLife	$7.50	No bid	No bid	SunMed	$7.59
76										Sun Med #5-5332-03	$15.00			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.91		
77	Airway			Laryngoscope Blade, Greenline, Mac 4, Fiber Optic, Disposable, Stainless Steel	5-5332-04	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$7.41	AirLife	$7.50	No bid	No bid	SunMed	$7.59
78										Flexicare #040-714U	$17.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.91		
79	Airway			Laryngoscope Blade, Greenline, Miller 0, Fiber Optic, Disposable, Stainless Steel	5-5333-00	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$7.62	AirLife	$7.50	No bid	No bid	SunMed	$7.59
80										CURAPLEX	$12.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$7.09		
81	Airway			Laryngoscope Blade, Greenline, Miller 1, Fiber Optic, Disposable, Stainless Steel	5-5333-01	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$8.00	AirLife	$7.50	No bid	No bid	SunMed	$7.59
82										CURAPLEX	$12.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.12		
83	Airway			Laryngoscope Blade, Greenline, Miller 2, Fiber Optic, Disposable, Stainless Steel	5-5333-02	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$8.00	AirLife	$7.50	No bid	No bid	SunMed	$7.59
84										. CURAPLEX	$12.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.91		
85	Airway			Laryngoscope Blade, Greenline, Miller 3, Fiber Optic, Disposable, Stainless Steel	5-5333-03	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$8.00	AirLife	$7.50	No bid	No bid	SunMed	$7.59
86										CURAPLEX	$12.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$6.50		
87	Airway			Laryngoscope Blade, Greenline, Miller 4, Fiber Optic, Disposable, Stainless Steel	5-5333-04	TRI-ANIM HEALTH SERVICES	$3.75	No bid	No bid	No bid	No bid	Sunmed	$3.64	SUNMED	$7.62	AirLife	$7.50	No bid	No bid	SunMed	$7.59
88										CURAPLEX	$12.50			MEDSOURCE	$4.81			HOLDINGS DBA AIRLIFE	$5.91		
89	Airway			Laryngoscope Handle, GreenLine, Medium, Fiber Optic, Chrome Plated Brass	5-0236-09	TRI-ANIM HEALTH SERVICES	$5.68	No bid	No bid	No bid	No bid	MedSource	$31.70	SUNMED	$88.47	AirLife	$58.00	HOLDINGS DBA AIRLIFE	$78.47	SunMed	$93.71
90										MEDSOURCE INTERNAT	$93.75			MEDSOURCE	$35.90						
91	Airway			Laryngoscope Handle, GreenLine, Petite, Fiber Optic, Chrome Plated Brass	5-0236-10	TRI-ANIM HEALTH SERVICES	$5.68	No bid	No bid	AIRLIFE	$115.00	MedSource	$31.70	SUNMED	$92.90	AirLife	$80.00	HOLDINGS DBA AIRLIFE	$80.80	SunMed	$93.71
92										Sun Med #5-0236-10	$115.00			MEDSOURCE	$35.90						
93	Airway			Select Endotracheal Tube with Stylette, 2.5mm, Cuffed	2113-10225	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	. Curaplex	$6.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
94														DYNAREX	$1.28	Teleflex	$3.36	TELEFLEX LLC	$4.36		
95	Airway			Select Endotracheal Tube with Stylette, 3.0mm, Cuffed	2113-10230	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	Sunmed	$2.01	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
96														DYNAREX	$1.28	ICU Medical	$1.90	TELEFLEX LLC	$4.36	SunMed	$3.32
97	Airway			Select Endotracheal Tube with Stylette, 3.5mm, Cuffed	2113-10235	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	Sunmed	$2.01	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
98														DYNAREX	$1.28	AirLife	$3.00	FLEXICARE INC	$1.87	SunMed	$3.32
99	Airway			Select Endotracheal Tube with Stylette, 4.0mm, Cuffed	2113-10240	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	Sunmed	$2.01	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
100														MEDSOURCE	$2.21	AirLife	$3.00	FLEXICARE INC	$4.87	SunMed	$3.32
101	Airway			Select Endotracheal Tube with Stylette, 4.5mm, Cuffed	2113-10245	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	Sunmed	$2.01	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
102														MEDSOURCE	$2.21	AirLife	$3.00	FLEXICARE INC	$4.87	SunMed	$3.32
103	Airway			Select Endotracheal Tube with Stylette, 5.0mm, Cuffed	2113-10250	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
104														MEDSOURCE	$2.21	ICU Medical	$1.90			Medsource Int.	$2.18
105	Airway			Select Endotracheal Tube with Stylette, 5.5mm, Cuffed	2113-10255	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	.Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
106														MEDSOURCE	$2.21	ICU Medical	$1.90			Medsource Int.	$2.18
107	Airway			Select Endotracheal Tube with Stylette, 6.0mm, Cuffed	2113-10260	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
108														MEDSOURCE	$2.21	ICU Medical	$1.90	MEDLINE INDUSTRIES	$3.71	Medsource Int.	$2.18
109	Airway			Select Endotracheal Tube with Stylette, 6.5mm, Cuffed	2113-10265	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
110														MEDSOURCE	$2.21	ICU Medical	$1.90			Medsource Int.	$2.18
111	Airway			Select Endotracheal Tube with Stylette, 7.0mm, Cuffed	2113-10270	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
112														MEDSOURCE	$2.21	ICU Medical	$1.90	MEDLINE INDUSTRIES	$4.13	Medsource Int.	$2.18
113	Airway			Select Endotracheal Tube with Stylette, 7.5mm, Cuffed	2113-10275	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
114														MEDSOURCE	$2.21	ICU Medical	$1.90	HEALTHFIRST	$14.96	Medsource Int.	$2.18
115	Airway			Select Endotracheal Tube with Stylette, 8.0mm, Cuffed	2113-10280	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
116														MEDSOURCE	$2.21	ICU Medical	$1.90	MEDLINE INDUSTRIES	$3.99	Medsource Int.	$2.18
117	Airway			Select Endotracheal Tube with Stylette, 8.5mm, Cuffed	2113-10285	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	.Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
118														MEDSOURCE	$2.21	ICU Medical	$1.90	DYNAREX	$4.87	Medsource Int.	$2.18
119	Airway			Select Endotracheal Tube with Stylette, 9.0mm, Cuffed	2113-10290	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
120														MEDSOURCE	$2.21	ICU Medical	$1.90	DYNAREX	$4.87	Medsource Int.	$2.18
121	Airway			Select Endotracheal Tube with Stylette, 10.0mm, Cuffed	2113-10200	CURAPLEX BY BOUND TREE	$2.29	No bid	No bid	Curaplex	$6.25	MedSource	$1.72	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
122														DYNAREX	$3.21	Medsource	$2.09			Medsource Int.	$2.18
123	Airway			Select Endotracheal Tube, 3.0mm, Cuffed, w/o Stylette	2113-20230	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	Curaplex	$6.25	Sunmed	$1.02	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
124														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
125	Airway			Select Endotracheal Tube, 3.5mm, Cuffed, w/o Stylette	2113-20235	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	Curaplex	$6.25	Sunmed	$1.02	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
126														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
127	Airway			Select Endotracheal Tube, 4.0mm, Cuffed, w/o Stylette	2113-20240	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	Curaplex	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
128														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
129	Airway			Select Endotracheal Tube, 4.5mm, Cuffed, w/o Stylette	2113-20245	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	.CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
130														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
131	Airway			Select Endotracheal Tube, 5.0mm, Cuffed, w/o Stylette	2113-20250	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
132														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
133	Airway			Select Endotracheal Tube, 5.5mm, Cuffed, w/o Stylette	2113-20255	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
134														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
135	Airway			Select Endotracheal Tube, 6.0mm, Cuffed, w/o Stylette	2113-20260	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
136														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
137	Airway			Select Endotracheal Tube, 6.5mm, Cuffed, w/o Stylette	2113-20265	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
138														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
139	Airway			Select Endotracheal Tube, 7.0mm, Cuffed, w/o Stylette	2113-20270	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
140														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
141	Airway			Select Endotracheal Tube, 7.5mm, Cuffed, w/o Stylette	2113-20275	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid

142													MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
143	Airway			Select Endotracheal Tube, 8.0mm, Cuffed, w/o Stylette	2113-20280	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid
144														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
145	Airway			Select Endotracheal Tube, 8.5mm, Cuffed, w/o Stylette	2113-20285	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid
146														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
147	Airway			Select Endotracheal Tube, 9.0mm, Cuffed, w/o Stylette	2113-20290	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid
148														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
149	Airway			Select Endotracheal Tube, 9.5mm, Cuffed, w/o Stylette	2113-20295	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid
150														MEDSOURCE	$1.09	Medsource	$1.35			SunMed	$1.74
151	Airway			Select Endotracheal Tube, 10.0mm, Cuffed, w/o Stylette	2113-20200	CURAPLEX BY BOUND TREE	$1.21	No bid	No bid	CURAPLEX	$6.25	MedSource	$0.95	No bid	No bid	No bid	No bid	No bid	No bid	No bid
152														MEDSOURCE	$1.09	ICU Medical	$1.00			SunMed	$1.74
153	Airway			Endotracheal Tube Holder, Thomas Select, Adult, for ET/SGA Tubes 6.5mm ID to 42mm OD	600-42500	LAERDAL MEDICAL CORPORATION	$4.25	No bid	No bid	LAERDAL MEDICAL CORPORATION	$11.25	Laerdal	$4.03	LAERDAL	$5.23	Laerdal Medical	$5.00	LAERDAL MEDICAL CORP	$3.94	Laerdal Medical	$4.67
154																				
155	Airway			Endotracheal Tube Holder, Thomas, Pediatric/Child, for ET/SGA Tubes 4.3mm ID to 15.8mm OD	600-20000	LAERDAL MEDICAL CORPORATION	$3.40	No bid	No bid	LAERDAL MEDICAL CORPORATION	$10.00	Laerdal	$3.51	LAERDAL	$6.35	Laerdal Medical	$3.25	No bid	No bid	Laerdal Medical	$3.69
156																	LAERDAL MEDICAL CORP	$3.88		
157	Airway			Endotracheal Tube Holder, Thomas, Adult, for ET/SGA Tubes 6.5mm ID to 21mm OD	600-10000	LAERDAL MEDICAL CORPORATION	$3.40	No bid	No bid	No bid	No bid	Laerdal	$3.51	LAERDAL	$4.62	Laerdal Medical	$3.25	No bid	No bid	Laerdal Medical	$5.65
158																	LAERDAL MEDICAL CORP	$3.88		
159	Airway			Control-Cric, including Cric-knife, Cric-key, Square Obturator, Extension tube, Wedge	313-4567	PULMODYNE	$173.85	No bid	No bid	Engineered Medical Systems	$356.25	Pulmodyne	$189.65	No bid	No bid	Intersurgical	$178.00	No bid	No bid	Pulmodyne	$185.88
160										ICU Medical FKA Smiths Medical #100/405/060CZ	$237.50							PULMODYNE INC	$201.76		
161	Airway			Control-Cric System Capno Kit	670155-KIT	PARENT PRODUCTION	$172.94	No bid	No bid	CURAPLEX	$375.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
162										Teleflex LLC #120900040	$281.25					Intersurgical	$178.00	MEDTRONIC MITG	$4,118.06	NAR	$68.58
163	Airway			TRACHEOTOMY DEVICE ADULT 4.0MM QUICKTRACH	120900040	TELEFLEX LLC	$145.12	No bid	No bid	Teleflex LLC	$280.00	Teleflex	$192.66	TELEFLEX	$208.00	Teleflex	$145.00	No bid	No bid	Teleflex	$155.00
164																				
165	Airway			TRACHEOTOMY DEVICE CHILD 2.0MM QUICKTRACH	120900020	TELEFLEX LLC	$145.12	No bid	No bid	Teleflex LLC	$280.00	Teleflex	$192.66	TELEFLEX	$345.33	Teleflex	$145.00	No bid	No bid	Teleflex	$155.00
166																				
167	Airway			GO-PAP with BiTrac ED with Neb - Adult Medium	313-4602N	PULMODYNE	$48.67	No bid	No bid	PULMODYNE	$125.00	Pulmodyne	$59.45	No bid	No bid	Intersurgical	$58.00	PULMODYNE INC	$62.66	Intersurgical	$58.60
168										Mercury Medical	$100.00										
169	Airway			GO-PAP with BiTrac ED with Neb- Adult Large	313-4603N	PULMODYNE	$48.67	No bid	No bid	PULMODYNE	$125.00	Pulmodyne	$59.45	No bid	No bid	Intersurgical	$58.00	PULMODYNE INC	$62.66	Intersurgical	$58.50
170										Mercury Medical	$100.00										
171	Airway			GO-PAP with BiTrac ED - Adult Medium	313-4602	PULMODYNE	$48.50	No bid	No bid	PULMODYNE	$125.00	Pulmodyne	$57.89	No bid	No bid	Intersurgical	$58.00	PULMODYNE INC	$61.01	Intersurgical	$57.04
172										MERCURY MEDICAL	$106.25										
173	Airway			GO-PAP with BiTrac ED- Adult Large	313-4603	PULMODYNE	$48.50	No bid	No bid			Pulmodyne	$57.89	No bid	No bid	Intersurgical	$58.00	PULMODYNE INC	$61.01	Intersurgical	$57.04
174										Mercury Medical	$106.25										
175	Airway			Go-Pap CPAP Kit , Sm Adult Bitrac Mask, Standard Head Harness. Nebulizer Canister	313-4601N	PULMODYNE	$49.80	No bid	No bid	PULMODYNE	$120.00	Pulmodyne	$59.45	No bid	No bid	Intersurgical	$52.85	No bid	No bid	Intersurgical	$58.50
176																		ZOLL MEDICAL CORP	$34.98		
177	Airway			O2 MAX BiTrac ED Mask, w/ Neb, Adult LG, w/3-SET Valve, Ohmeda Connector, Fixed Flow	313-7555XN-1	PULMODYNE	$54.40	No bid	No bid	No bid	No bid	Pulmodyne	$63.60	No bid	No bid	Intersurgical	$65.00	PULMODYNE INC	$62.66	Intersurgical	$62.56
178										PULMODYNE	$118.75										
179	Airway			O2 MAX BiTrac ED Mask, w/ Neb, Adult MED, w/3-SET Valve, Ohmeda Connector, Fixed Flow	313-7556XN-1	PULMODYNE	$54.40	No bid	No bid	No bid	No bid	Pulmodyne	$63.60	No bid	No bid	Intersurgical	$65.00	PULMODYNE INC	$62.66	Intersurgical	$62.56
180										PULMODYNE	$118.75										
181	Airway			O2 MAX BiTrac ED Mask, w/ Neb, Adult LG, w/5-SET Valve, Ohmeda Connector, Fixed Flow	313-7554XN-1	PULMODYNE	$54.16	No bid	No bid	No bid	No bid	Pulmodyne	$64.65	No bid	No bid	Intersurgical	$65.00	No bid	No bid	Intersurgical	$62.32
182										PULMODYNE	$135.00							PULMODYNE INC	$62.66		
183	Airway			O2 MAX BiTrac ED Mask, w/ Neb, Adult MED, w/5-SET Valve, Ohmeda Connector, Fixed Flow	313-7557XN-1	PULMODYNE	$54.17	No bid	No bid	No bid	No bid	Pulmodyne	$64.65	No bid	No bid	Intersurgical	$65.00	PULMODYNE INC	$38.09	Intersurgical	$62.32
184										PULMODYNE	$135.00										
185	Airway			CPAP System, Flow-Safe II EZ, w/Integral Neb, Child Mask w/Port	1057320	MERCURY MEDICAL	$64.55	No bid	No bid	No bid	No bid	Mercury	$77.99	MERCURY	$74.65	Mercury Medical	$68.00	No bid	No bid	Mercury Medical	$69.99
186										MERCURY MEDICAL	$137.50							HEALTHCARE TECHNOLOGY	$61.80		
187	Airway			CPAP System, Flow-Safe II EZ, w/Integral Neb, LG Adult Mask w/Port	1057318	MERCURY MEDICAL	$64.55	No bid	No bid	No bid	No bid	Mercury	$77.99	MERCURY	$74.65	Mercury Medical	$68.00	MERCURY MEDICAL	$75.96	Mercury Medical	$69.99
188										MERCURY MEDICAL	$141.25										
189	Airway			CPAP System, Flow-Safe II EZ, w/Integral Neb, SM Adult Mask w/Port	1057319	MERCURY MEDICAL	$64.55	No bid	No bid	No bid	No bid	Mercury	$77.27	MERCURY	$74.65	Mercury Medical	$68.00	No bid	No bid	Mercury Medical	$69.99
190										MERCURY MEDICAL	$141.25							MERCURY MEDICAL	$75.96		
191	Airway			CPAP System, Flow-Safe II, w/Child Mask	1057211	MERCURY MEDICAL	$50.78	No bid	No bid	No bid	No bid	Mercury	$63.55	MERCURY	$60.82	Mercury Medical	$58.00	MERCURY MEDICAL	$61.88	Mercury Medical	$57.79
192										MERCURY MEDICAL	$130.00										
193	Airway			CPAP System, Flow-Safe II, w/SM Adult Mask	1057210	MERCURY MEDICAL	$50.78	No bid	No bid	No bid	No bid	Mercury	$62.95	MERCURY	$60.82	Mercury Medical	$58.00	MERCURY MEDICAL	$61.88	Mercury Medical	$57.79
194										MERCURY MEDICAL	$130.00										
195	Airway			CPAP System, Flow-Safe II, w/LG Adult Mask	1057209	MERCURY MEDICAL	$50.78	No bid	No bid	No bid	No bid	Mercury	$63.55	MERCURY	$60.82	Mercury Medical	$58.00	MERCURY MEDICAL	$61.88	Mercury Medical	$57.79
196										MERCURY MEDICAL	$130.00										
197	Airway			Oxygen Regulator, All-Brass, 2 DISS, 1 Barb, CGA870	EMSREG8725-B2D-BTM	CURAPLEX BY BOUND TREE	$63.44	No bid	No bid	No bid	No bid	Meret	$113.70	No bid	No bid	Meret USA LLC	$80.00	No bid	No bid	Meret	$11,396.00
198										MERET USA L	$85.00			ALLIED	$112.28			MICRO DIRECT INC	$120.62		
199	Airway			Oxygen Nasal Cannula, Adult, Conventional, Clear, Non-Flared Prongs, 7 ft tubing	24003	MEDSOURCE INTERNATIONAL	$0.45	No bid	No bid	No bid	No bid	MedSource	$0.40	No bid	No bid	Medsource	$0.50	No bid	No bid	Medsource Int.	$0.36
200										McKesson Brand #	$1.13			MEDSOURCE	$0.42			MCKESSON CORPORATION	$0.61		
201	Airway			Oxygen Nasal Cannula, Adult, Conventional, Clear, Flared Prongs, 7 ft tubing	24004	CURAPLEX BY BOUND TREE	$0.45	No bid	No bid	No bid	No bid	MedSource	$0.38	No bid	No bid	Medsource	$0.50	No bid	No bid	Medsource Int.	$0.36
202										McKesson Brand	$2.00			MEDSOURCE	$0.42			MCKESSON CORPORATION	$0.61		
203	Airway			Oxygen Nasal Cannula, Adult, Conventional, Green, 7 ft Tubing	30050	CURAPLEX BY BOUND TREE	$0.45	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
204										McKesson Brand	$1.63			MEDSOURCE	$0.42	HUDSON	$0.65	SUNSET HEALTHCARE SOLUTIONS	$0.67		
205	Airway			Oxygen Nasal Cannula, Pediatric, Conventional, Green, 7 ft Tubing	30056	CURAPLEX BY BOUND TREE	$0.64	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
206										un Med #1602-7-50	$3.00	MedSource	$0.56	MEDSOURCE	$0.68	HUDSON	$1.50	MCKESSON CORPORATION	$0.61		
207	Airway			CANNULA INFANT 1828	HUD1828	MEDLINE INDUSTRIES, INC.	$1.67	No bid	No bid	Medline	$8.75	MedSource	$1.27	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
208														DYNAREX	$0.69	Dynarex	$0.59			Medsource Int.	$0.56
209	Airway			Oxygen Mask, Adult, Elongated, Partial NRB w/Vent, Reservoir Bag, 7 ft Tubing	30051	CURAPLEX BY BOUND TREE	$1.15	No bid	No bid	No bid	No bid	MedSource	$0.87	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.99
210										Medline	$5.00			ALLIED	$1.00	Medsource	$1.25	BOUND TREE MEDICAL LLC	$10.05		
211	Airway			Oxygen Mask, Adult, Elongated, High Conc, Partial NRB, Metal Noseclip, Reservoir Bag	25059	CURAPLEX BY BOUND TREE	$1.18	No bid	No bid	No bid	No bid	MedSource	$0.87	No bid	No bid		$1.25	No bid	No bid	Medsource Int.	$1.35
212										airlife	$6.88			MEDSOURCE	$1.22			MCKESSON CORPORATION	$1.22		
213	Airway			Oxygen Mask, Adult, Elongated, High Conc, Total NRB w/o Vent, Reservoir Bag, Tubing	25060	CURAPLEX BY BOUND TREE	$1.14	No bid	No bid	No bid	No bid	MedSource	$0.90	No bid	No bid		$1.25	No bid	No bid	No bid	No bid
214										Medline	$5.63			MEDSOURCE	$1.21			BOUND TREE MEDICAL LLC	$10.05		
215	Airway			Oxygen Mask, Adult, Elongated, Total NRB w/o Vent, Reservoir Bag, 7 ft Tubing	30052	CURAPLEX BY BOUND TREE	$1.15	No bid	No bid	CURAPLEX	$5.63	MedSource	$0.90	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.93
216														TELEFLEX	$2.23	HUDSON	$1.50	BOUND TREE MEDICAL LLC	$10.05		

217	Airway			Oxygen Mask, Elongated, Pediatric, Partial NRB w/Vent, Reservoir Bag, 7 ft Tubing	30053	CURAPLEX BY BOUND TREE	$1.11	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$1.32
218											MEDLINE INDUSTRIES, I	$10.63			MCKESSON	$1.75	Medsource	$1.75	BOUND TREE MEDICAL LLC	$10.05		
219	Airway			Oxygen Mask, Infant, Elongated, Total NRB w/o Vent, Reservoir Bag, 7 ft Tubing	30058	CURAPLEX BY BOUND TREE	$1.14	No bid	No bid	No bid	MedSource	$1.38	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$1.40
220											Medlin	$17.50			MEDSOURCE	$1.68	Medsource	$1.75	BOUND TREE MEDICAL LLC	$10.05		
221	Airway			BVM, SPUR II, ADULT W/ MED ADULT MASK, INDIVIDUALLY BAGGED	520211000	AMBU INC.	$9.60	No bid	No bid	No bid	Ambu	$8.35	AMBU	$10.13	Ambu	$11.00	No bid	No bid	Ambu	$10.50
222											AMBU IN	$27.50							BOUND TREE MEDICAL LLC	$14.53		
223	Airway			BVM, SPUR II, Pedi w/Neonate/Infant/Toddler Masks, Bag Reservoir, Medi Port, Boxed	530214000B	AMBU INC.	$14.78	No bid	No bid	No bid	Ambu	$14.50	AMBU	$16.97	Ambu	$13.36	No bid	No bid	Ambu	$14.89
224																						
225	Airway			BVM, SPUR II, PEDIATRIC, EXP FILTER, MANOMETER, Neonate, Infant, Toddler Mask and BVM/Set	530614017	AMBU INC.	$18.29	No bid	No bid	No bid	Ambu	$18.40	AMBU	$21.52	Ambu	$17.90	No bid	No bid	Ambu	$19.56
226																			MCKESSON CORPORATION	$14.27		
227	Airway			BVM, SPUR II, ADULT W/ MEDIUM ADULT MASK, INDIVIDUALLY BOXED	520211000B	AMBU INC.	$9.60	No bid	No bid	Ambu	$28.65	Ambu	$8.50	AMBU	$10.33	Ambu	$10.38	AMBU INC	$17.54	Ambu	$11.50
228																						
229	Airway			BVM, SPUR II, Pediatric w/Toddler Mask, Individually Boxed	530213000B	AMBU INC.	$10.78	No bid	No bid	Ambu	$33.33	Ambu	$12.10	AMBU	$14.17	Ambu	$11.64	AMBU INC	$20.59	Ambu	$12.59
230																						
231	Airway			BVM, SPUR II, Infant w/Neonate Mask	540211000	AMBU INC.	$9.60	No bid	No bid	Ambu	$35.00	Ambu	$9.50	AMBU	$11.53	Ambu	$12.00	AMBU INC	$18.66	Ambu	$12.59
232																						
233	Airway			VT Select BVM - Adult Mask	7159094	INTERSURGICAL, INC.	$17.10	No bid	No bid	Intersurgica	$39.06	Intersurgical	$22.55	No bid	No bid	Intersurgical	$22.00	No bid	No bid	Pulmodyne	$22.17
234																			INTERSURGICAL INC	$23.78		
235	Airway			VT Select BVM with Manometer, PEEP Valve, Filter - Adult Mask	7159090	INTERSURGICAL, INC.	$22.04	No bid	No bid	No bid	Intersurgical	$27.59	No bid	No bid	Intersurgical	$28.00	No bid	No bid	Pulmodyne	$26.80
236										INTERSURGICAL, IN	$68.75							INTERSURGICAL INC	$26.74		
237	Airway			BVM, Adult, Mask Size 5, Universal Connector, 7FT O2 Tubing	2442-BVM1500	CURAPLEX BY BOUND TREE	$7.25	No bid	No bid	CURAPLEX	$25.00	No bid	No bid	No bid	No bid	AirLife	$20.00	No bid	No bid	No bid	No bid
238																			TYPENEX MEDICAL LLC	$3.08		
239	Airway			BVM, Small Adult/Pediatric, Mask Size 4, Universal Connector, 7FT O2 Tubing	2442-BVM1000	CURAPLEX BY BOUND TREE	$7.25	No bid	No bid	CURAPLEX	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
240																AirLife	$15.00	CONVATEC	$0.59			
241	Airway			BVM, Child, Mask Size 3, Universal Connector, 7FT O2 Tubing, Pop-Off Valve	2442-BVM550	CURAPLEX BY BOUND TREE	$8.25	No bid	No bid	CURAPLEX	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
242																AirLife	$18.09					
243	Airway			BVM, Infant, Mask Size 2, Universal Connector, 7FT O2 Tubing, Pop-Off Valve	2442-BVM300	CURAPLEX BY BOUND TREE	$8.25	No bid	No bid	CURAPLEX	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
244																AirLife	$18.00	ALLIED MEDICAL LLC	$16.69			
245	Airway			Select Sm Ad/Ped BVM Manometer PEEP Bacterial Filter	2442-BVMPSA	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	CURAPLEX	$47.50	No bid	No bid	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$24.71	No bid	No bid
246																AirLife	$25.00					
247	Airway			Select Child BVM, Manometer, Bacterial Filter, Child, Neonate, Infant Masks	2442-BVMCIN	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid	CURAPLEX	$50.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
248																AirLife	$17.70					
249	Airway			Nasopharyngeal airway NP, 12 Fr, adjustable flange, disposable, sterile	1-5072-12	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$8.85	Sunmed	$3.30	SUNMED	$8.17	AirLife	$7.20	HOLDINGS (DBA AIRLIFE	$6.57	SunMed	$3.75
250										AIRLIFE	$13.75											
251	Airway			Nasopharyngeal airway NP, 14 Fr, adjustable flange, disposable, sterile	1-5072-14	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med #	$8.85	Sunmed	$3.30	SUNMED	$8.17	AirLife	$7.20	HOLDINGS (DBA AIRLIFE	$6.57	SunMed	$3.75
252										McKesson Bran	$5.75											
253	Airway			Nasopharyngeal airway NP, 16 Fr, adjustable flange, disposable, sterile	1-5072-16	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	No bid	No bid	Sunmed	$3.30	SUNMED	$8.17	AirLife	$7.20	HOLDINGS (DBA AIRLIFE	$6.57	SunMed	$3.75
254										McKesson Bran	$5.75											
255	Airway			Nasopharyngeal airway NP, 18 Fr, adjustable flange, disposable, sterile	1-5072-18	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$12.63	Sunmed	$3.30	SUNMED	$8.57	AirLife	$7.20			SunMed	$3.75
256										McKesson Bran	$5.75							HOLDINGS (DBA AIRLIFE	$7.88			
257	Airway			Nasopharyngeal airway NP, 20 Fr, adjustable flange, disposable, sterile	1-5072-20	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	No bid	No bid	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
258										McKesson Bran	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
259	Airway			Nasopharyngeal airway NP, 22 Fr, adjustable flange, disposable, sterile	1-5072-22	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$12.00	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
260										McKesson Bran	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
261	Airway			Nasopharyngeal airway NP, 24 Fr, adjustable flange, disposable, sterile	1-5072-24	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$12.00	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
262										McKesson Bran	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
263	Airway			Nasopharyngeal airway NP, 26 Fr, adjustable flange, disposable, sterile	1-5072-26	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	No bid	No bid	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
264										Mckesson	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
265	Airway			Nasopharyngeal airway NP, 28 Fr, adjustable flange, disposable, sterile	1-5072-28	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$11.50	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
266										McKesson Brand	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
267	Airway			Nasopharyngeal airway NP, 30 Fr, adjustable flange, disposable, sterile	1-5072-30	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$11.25	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
268										McKesson Brand	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
269	Airway			Nasopharyngeal airway NP, 32 Fr, adjustable flange, disposable, sterile	1-5072-32	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$10.38	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
270										McKesson Brand	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
271	Airway			Nasopharyngeal airway NP, 34 Fr, adjustable flange, disposable, sterile	1-5072-34	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$11.25	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
272										McKesson Brand	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
273	Airway			Nasopharyngeal airway NP, 36 Fr, adjustable flange, disposable, sterile	1-5072-36	CURAPLEX BY BOUND TREE	$2.19	No bid	No bid	Sun Med	$9.13	Sunmed	$3.30	No bid	No bid	AirLife	$7.20			Medsource Int.	$2.90
274										McKesson Brand	$5.75			DYNAREX	$2.47			MCKESSON CORPORATION	$2.32		
275	Airway			Berman airway, 40 mm, size 00, newborn, pink, disposable, individually packaged	1-1508-40	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.23	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.69	Teleflex	$0.26
276										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35				
277	Airway			Berman airway, 50 mm, size 0, infant, blue, disposable, individually packaged	1-1508-50	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.23	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.69	Teleflex	$0.26
278										AIRLIFE	$1.25					Teleflex	$0.35				
279	Airway			Berman airway, 60 mm, size 1, small child, black, disposable, individually packaged	1-1508-60	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.23	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.69	Teleflex	$0.26
280										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35				
281	Airway			Berman airway, 70 mm, size 2, child, white, disposable, individually packaged	1-1508-70	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.23	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.69	Teleflex	$0.26
282										AIRLIFE	$1.25					Teleflex	$0.35				
283	Airway			Berman airway, 80 mm, size 3, small adult, green, disposable, individually packaged	1-1508-80	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.33	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$6.85	Teleflex	$0.26
284										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35				
285	Airway			Berman airway, 90 mm, size 4, medium adult, yellow, disposable, individually packaged	1-1508-90	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.33	SUNMED	$0.67	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.57	Teleflex	$0.26
286										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35				
287	Airway			Berman airway, 100 mm, size 5, large adult, red, disposable, individually packaged	1-1508-100	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.33	SUNMED	$0.49	No bid	No bid	No bid	No bid	Teleflex	$0.26
288										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35	HOLDINGS (DBA AIRLIFE	$0.69		
289	Airway			Berman airway, 110 mm, size 6, x-large adult, orange, disposable, individually packaged	1-1508-110	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	No bid	No bid	Sunmed	$0.33	SUNMED	$0.52	No bid	No bid	HOLDINGS (DBA AIRLIFE	$0.69	Teleflex	$0.26
290										AIRLIFE	$1.25			DYNAREX	$0.28	Teleflex	$0.35				
291	Airway			Suction Catheter, 6 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC06	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MedSource International	$0.70	MedSource	$0.23	MEDSOURCE	$0.32	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23

292													DYNAREX	$0.29	Dynarex	$0.30				
293	Airway			Suction Catheter, 8 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC08	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$1.00	MedSource	$0.23	MEDSOURCE	$0.38	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
294															DYNAREX	$0.29	Dynarex	$0.30				
295	Airway			Suction Catheter, 10 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC10	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$0.70	MedSource	$0.23	MEDSOURCE	$0.37	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
296															DYNAREX	$0.29	Dynarex	$0.30				
297	Airway			Suction catheter, 12 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC12	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$0.70	MedSource	$0.23	MEDSOURCE	$0.38	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
298															DYNAREX	$0.29	Dynarex	$0.30				
299	Airway			Suction Catheter, 14 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC14	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$0.70	MedSource	$0.23	MEDSOURCE	$0.38	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
300															DYNAREX	$0.29	Dynarex	$0.30				
301	Airway			Suction catheter, 16 Fr, coiled, w/ whistle tip and thumb control port, sterile, disp, LF	MS-SC16	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$1.00	MedSource	$0.23	MEDSOURCE	$0.33	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
302															DYNAREX	$0.29	Dynarex	$0.30				
303	Airway			Suction catheter, 18 Fr, coiled, w/whistle tip and thumb control port, sterile, disp, LF	MS-SC18	CURAPLEX BY BOUND TREE	$0.25	No bid	No bid	MEDSOURCE INTERNAT	$0.70	MedSource	$0.23	MEDSOURCE	$0.38	No bid	No bid	MEDSOURCE INTERNATIONAL	$0.25	Medsource Int.	$0.23
304															DYNAREX	$0.29	Dynarex	$0.30				
305	AIRWAY			Berman airway set, 8 sizes per set, 40, 50, 60, 70, 80, 90, 100 and 110 mm airway	792-1-1508-00EA	CURAPLEX BY BOUND TREE	$2.50	No bid	No bid	MEDSOURCE INTERNAT	$8.75	Sunmed	$2.19	SUNMED	$0.40	No bid	No bid	No bid	No bid	Dukal	$3.45
306																	Life-Assist	$3.25	AMERICAN DIAGNOSTIC CORP	$3.36		
307	AIRWAY			Nebulizer	301-200EA	CURAPLEX BY BOUND TREE	$1.00	No bid	No bid	CURAPLEX	$2.13	MedSource	$0.87	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$1.09
308										McKesson Brand	$1.88			MEDSOURCE	$1.17	HUDSON	$1.25	MCKESSON CORPORATION	$0.89		
309	AIRWAY			Bite Block	0003	EMI	$0.85	No bid	No bid	No bid	No bid	ADC	$0.36	No bid	No bid	No bid	No bid	No bid	No bid	No bid	ADC	$0.65
310										McKesson Brand	$1.88			ADC	$0.45	American Diagnostic	$0.55	MCKESSON CORPORATION	$0.96		
311	AIRWAY			SM. Laryngoscope Bulb	303676	AIRLIFE	$3.42	No bid	No bid	No bid	No bid	Maco	$2.89	SUNMED	$4.92	No bid	No bid	No bid	No bid	No bid	ADC	$3.19
312										SURGICAL DESIGN, INC	$8.75					American Diagnostic	$2.50	HOLDINGS DBA AIRLIFE	$5.03		
313	AIRWAY			LG. Laryngoscope Bulb	308257	AIRLIFE	$3.40	No bid	No bid	No bid	No bid	Maco	$2.89	SUNMED	$4.92	No bid	No bid	No bid	No bid	ADC	$3.48
314										SURGICAL DESIGN, INC	$8.75					American Diagnostic	$2.50	HOLDINGS DBA AIRLIFE	$6.50		
315	AIRWAY			Scalpel	372610	ASPEN SURGICAL PRODUCTS, INC.	$2.50	No bid	No bid	Aspen Surgical Products	$5.25	Dynarex	$0.86	BD	$2.77	No bid	No bid	No bid	No bid	Dynarex	$7.39
316										Mckesson	$5.13					Dynarex	$0.95	MCKESSON CORPORATION	$0.56		
317	AIRWAY			Pocket Mask	36045	CURAPLEX BY BOUND TREE	$3.99	No bid	No bid	CURAPLEX	$20.00	MedSource	$2.94	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
318										American Diagnostic Corp	$18.13			ADC	$8.29	Kemp USA	$6.50	MEDSOURCE INTERNATIONAL	$2.01	Medsource Int.	$3.85
319	AIRWAY			Spear (Pneumothorax Emergency Air Release)	2160-00051	NORTH AMERICAN RESCUE, LLC	$30.45	No bid	No bid	No bid	No bid	North American Rescue	$27.75	NORTH AMER RESCUE	$33.29	North American Rescue	$28.00	No bid	No bid	NAR	$30.32
320										North American Rescue	$62.50			MEDSOURCE	$8.00			NORTH AMERICAN RESCUE LLC	$30.39		
321	AIRWAY			Peds Magill Forceps	0128	SURGICAL DESIGN, INC	$3.49	No bid	No bid	SURGICAL DESIGN, INC	$12.50	Maco	$5.17	No bid	No bid	No bid	No bid	No bid	No bid	Zulco Int	$6.87
322														ADC	$9.99	Maco International	$5.00	MCKESSON CORPORATION	$10.38		
323	AIRWAY			ET Holders - Adult	020500	LAERDAL MEDICAL CORPORATION	$3.40	No bid	No bid	No bid	No bid	Laerdal	$3.51	No bid	No bid	No bid	No bid	No bid	No bid	Leadal Medical	$5.50
324										Laerdal Medical #	$9.38					Laerdal Medical	$3.25	LAERDAL MEDICAL CORP	$3.88		
325	AIRWAY			ET Holders - Peds	020400	LAERDAL MEDICAL CORPORATION	$3.40	No bid	No bid	No bid	No bid	Laerdal	$3.51	No bid	No bid	No bid	No bid	No bid	No bid	Leadal Medical	$5.50
326										Laerdal Medical #	$9.38					Laerdal Medical	$3.25	LAERDAL MEDICAL CORP	$3.88		
327	AIRWAY			Large CPAP Mask	313-7030EA	PULMODYNE	$23.65	No bid	No bid	PULMODYNE	$50.00	Pulmodyne	$24.84	No bid	No bid	Intersurgical	$25.00	No bid	No bid	Pulmodyne	$24.42
328														MERCURY	$3.33			FISHER & PAYKEL HEALTHCARE INC	$88.55		
329	AIRWAY			Colorimetric CO2 Detector PEDS	530025	MEDTRONIC (COVIDIEN)	$9.56	No bid	No bid	Medtronic	$25.00	Covidien	$10.21	No bid	No bid	No bid	No bid	No bid	No bid	Covidien	$10.24
330														MALINCRODT	$10.60	Medtronic	$10.00	MEDTRONIC MITG	$9.63		
331	AIRWAY			Colorimetric CO2 Detector Adult	530024	MEDTRONIC (COVIDIEN)	$9.56	No bid	No bid	Medtronic	$25.00	Covidien	$10.08	No bid	No bid	No bid	No bid	No bid	No bid	Covidien	$10.24
332														MALINCRODT	$10.60	Medtronic	$10.00	MEDTRONIC MITG	$9.75		
333	AIRWAY			Autovent Tubing	539090	ALLIED MEDICAL LLC	$16.44	No bid	No bid	ALLIED MEDICAL LLC	$41.25	Allied	$22.18	ALLIED	$28.49	No bid	No bid	No bid	No bid	Allied Healthcare	$8.61
334																Allied Medical, LLC	$11.50	ALLIED MEDICAL LLC	$17.04		
335	AIRWAY			Suction Canister 1200cc	2212-11200	CURAPLEX BY BOUND TREE	$3.29	No bid	No bid	No bid	No bid	Bemis	$3.13	No bid	No bid	No bid	No bid	No bid	No bid	Bemis	$4.46
336										Mckesson	$7.50			BEMIS	$4.55	Bemis Manufacturing	$3.50	MCKESSON CORPORATION	$3.08		
337	AIRWAY			Suction Canister 800cc	2212-10800	CURAPLEX BY BOUND TREE	$3.02	No bid	No bid	No bid	No bid	Bemis	$2.70	No bid	No bid	No bid	No bid	No bid	No bid	Bemis	$3.15
338										Mckesson	$10.00			BEMIS	$3.35	Bemis Manufacturing	$3.50	MCKESSON CORPORATION	$3.19		
339	AIRWAY			Bulb Syringe	590031	BUSSE HOSPITAL DISPOSABLES	$1.16	No bid	No bid	No bid	No bid	Busse	$1.22	No bid	No bid	No bid	No bid	No bid	No bid	Penn Care Inc	$0.69
340										Mckesson	$2.50			AMSINO	$0.51	Medegen Medical	$1.15	MCKESSON CORPORATION	$0.91		
341	AIRWAY			One-Way Valve	L820300	CURAPLEX BY BOUND TREE	$9.99	No bid	No bid	CURAPLEX	$22.50	Laerdal	$11.82	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$13.31	No bid	No bid
342														LAERDAL	$12.80	Laerdal Medical	$11.00			Carefusion	$0.85
343	AIRWAY			Small CPAP Mask	313-7028EA	PULMODYNE	$23.94	No bid	No bid	PULMODYNE	$62.50	Pulmodyne	$24.84	No bid	No bid	Intersurgical	$25.00	PULMODYNE INC	$27.38	Pulmodyne	$24.42
344														MERCURY	$3.03						
345	AIRWAY			Stick Stylet 14 fr	12998	CURAPLEX BY BOUND TREE	$1.01	No bid	No bid	CURAPLEX	$6.88	MedSource	$1.41	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$1.75
346										Medline	$10.00			DYNAREX	$1.73	Teleflex	$2.05	DYNAREX	$2.56		
347	AIRWAY			Stick Stylet 6 fr	12996	CURAPLEX BY BOUND TREE	$1.01	No bid	No bid	CURAPLEX	$6.88	MedSource	$1.41	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$1.75
348										Dyanrex	$5.00			DYNAREX	$1.73	Teleflex	$3.50	DYNAREX	$2.56		
349	AIRWAY			Lubrication Jelly Packet	1340-27000	CURAPLEX BY BOUND TREE	$0.05	No bid	No bid	No bid	No bid	Dukal	$0.05	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$0.08	Dukal	$1.45
350										Mckesson	$0.28			PRO ADVANTAGE	$0.02	Dynarex	$0.06				
351	AIRWAY			Adult Magill Forceps	61435	ZULCO INTERNATIONAL	$3.78	No bid	No bid	No bid	No bid	Maco	$5.17	No bid	No bid	No bid	No bid	No bid	No bid	Zulco Int	$6.88
352										SURGICAL DESIGN, INC	$12.50			ADC	$10.04	Maco International	$5.00	MCKESSON CORPORATION	$10.38		
353	AIRWAY			Bougie	2120-21282	AIRLIFE	$6.00	No bid	No bid	No bid	No bid	Sunmed	$5.17	No bid	No bid	AirLife	$10.00	HOLDINGS DBA AIRLIFE	$10.79	SunMed	$7.80
354										Sun-Med	$23.75			DYNAREX	$4.80						
355	AIRWAY			ETCO2	8600-01298	CURAPLEX BY BOUND TREE	$6.30	No bid	No bid	No bid	No bid	MedSource	$5.10	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
356										Mckesson	$6.88			MEDSOURCE	$6.99	Medtronic	$9.00	MEDTRONIC MITG	$11.05	Medsource Int.	$6.14
357	AIRWAY			Infant NC	410336	MEDSOURCE INTERNATIONAL	$1.48	No bid	No bid	No bid	No bid	MedSource	$1.27	MEDSOURCE	$1.43	No bid	No bid	No bid	No bid	Medsource Int.	$0.57
358														DYNAREX	$1.81	Dynarex	$0.75	MEDSOURCE INTERNATIONAL	$1.22		
359	AIRWAY			O2 Regulator	14288	CURAPLEX BY BOUND TREE	$63.44	No bid	No bid	No bid	No bid	MedSource	$55.66	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
360										Drive DeVilbiss Healthcar	$32.50			MEDSOURCE	$40.41	Meret USA LLC	$50.00	ALLIED MEDICAL LLC	$114.46	Meret	$35.32
361	AIRWAY			Nasal ETCO2	301-5707F-SE	CURAPLEX BY BOUND TREE	$6.49	No bid	No bid	No bid	No bid	MedSource	$5.05	No bid	No bid	No bid	No bid	HOLDINGS DBA AIRLIFE	$7.35	No bid	No bid
362										Mckesson	$4.38			MEDSOURCE	$6.08	Medsource	$6.00			Medsource Int.	$6.14
363	AIRWAY			Hepa Filter	301-439EA	CURAPLEX BY BOUND TREE	$2.26	No bid	No bid	Curaplex	$15.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Intersurgical	$1.75
364														AMBU	$18.49	Teleflex	$5.00	3B MEDICAL INC DBA REACT HEALTH	$7.88		
365	AIRWAY			Portable Pulse Oximeter	2711-30310	CURAPLEX BY BOUND TREE	$19.99	No bid	No bid	No bid	No bid	Veridian	$17.53	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$38.68	GEMCO Med	$13.21
366										Mckesson	$31.25			DYNAREX	$34.67	American Diagnostic	$45.00				

367	Equipment			Penlights, Rainbow, colors subject to change based on availability	211	CURAPLEX BY BOUND TREE	$3.96	No bid	No bid	No bid	No bid	EMI	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
368										Mckesson	$4.38			MEDSOURCE	$0.19	American Diagnostic	$1.25	MCKESSON CORPORATION	$2.03	Medsource Int.	$0.99
369	Equipment			Trauma Shears	2811-05524	CURAPLEX BY BOUND TREE	$0.85	No bid	No bid	No bid	No bid	MedSource	$0.83	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.95
370										Mckesson	$6.88			MEDSOURCE	$1.07	American Diagnostic	$3.25	MCKESSON CORPORATION	$2.32		
371	Equipment			Pediatric BP Cuff	36011	CURAPLEX BY BOUND TREE	$8.49	No bid	No bid	No bid	No bid	Veridian	$6.34	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$9.46
372										McKesson Brand	$28.75			MEDSOURCE	$11.09	Medsource	$9.50	MCKESSON CORPORATION	$20.77		
373	Equipment			Adult BP Cuff	36012	CURAPLEX BY BOUND TREE	$8.49	No bid	No bid	No bid	No bid	Veridian	$6.50	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$9.15
374										Mckesson	$38.75			MEDSOURCE	$10.71	Medsource	$9.50	MCKESSON CORPORATION	$22.39		
375	Equipment			Adult Large BP Cuff	36013	CURAPLEX BY BOUND TREE	$9.49	No bid	No bid	No bid	No bid	Veridian	$6.85	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$8.57
376										Mckesson	$38.75			MEDSOURCE	$11.36	Medsource	$10.50	MCKESSON CORPORATION	$22.80		
377	Equipment			Stethoscope	36020	CURAPLEX BY BOUND TREE	$8.50	No bid	No bid	No bid	No bid	Veridian	$6.14	No bid	No bid	Dynarex	$1.25	No bid	No bid	ADC	$5.08
378										Mckesson	$11.25			MEDSOURCE	$9.36			MCKESSON CORPORATION	$9.49		
379	Equipment			Wall Mounted Sharps Bracket	298519	MED PLUS SERVICES USA	$14.29	No bid	No bid	No bid	No bid	Cardinal	$15.40	No bid	No bid	No bid	No bid	CARDINAL HEALTHCARE	$14.20	Cardinal Health	$19.29
380										Mckesson	$50.00			COVIDIEN	$29.69	Cardinal Health	$15.00				
381	Equipment			Backboard Strap	16683	CURAPLEX BY BOUND TREE	$2.39	No bid	No bid	No bid	No bid	Dick Medical	$1.84	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$5.55	Dick Medical	$2.65
382										Mckesson	$50.00			DICK MEDICAL	$7.52	Dick Medical Supply	$2.83				
383	Equipment			Brown Paper Bags	4310-30635	ASSOCIATED BAG COMPANY	$0.10	No bid	No bid	No bid	No bid	Lagasse	$0.04	No bid	No bid	No bid	No bid	No bid	No bid	Global Industries	$45.84
384										Essendant Co/United Stationers	$25.00			ODORNO LLC	$0.29	Med Plus Services	$1.90	ESSENDANT CO/LAGASSE INC	$0.03		
385	Equipment			Stretcher Straps	533-MS-ST393	MEDSOURCE INTERNATIONAL	$9.36	No bid	No bid	No bid	No bid	Dick Medical	$10.37	No bid	No bid	No bid	No bid	No bid	No bid	Dick Medical	$8.95
386										Mckesson	$16.25			DICK MEDICAL	$9.52	Dick Medical Supply	$13.00	MCKESSON CORPORATION	$7.22		
387	Equipment			Lucas Cups	4510-04776	STRYKER	$50.66	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Styker	$50.00	No bid	No bid	Stryker	$793.51
388										The Palm Tree Grou	$0.00			MEDTRONIC	$58.11						
389	Equipment			KED	15329	CURAPLEX BY BOUND TREE	$54.96	No bid	No bid	No bid	No bid	MedSource	$54.00	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$63.38
390										: FERNO WASHINGTON	$312.50			MEDSOURCE	$77.33	Ferno Washington	$170.20	FERNO-WASHINGTON INC.	$229.02		
391	Equipment			Infant BP Cuff	36010	CURAPLEX BY BOUND TREE	$9.49	No bid	No bid	No bid	No bid	MedSource	$7.50	No bid	No bid	No bid	No bid	BOUND TREE MEDICAL LLC	$11.08	Medsource Int.	$8.57
392										Welch Allyn	$38.75			MEDSOURCE	$11.09	Medsource	$9.50				
393	Equipment			Ring Cutter	400010	MACO INTERNATIONAL	$7.93	No bid	No bid	No bid	No bid	Chanby	$5.50	No bid	No bid	No bid	No bid	No bid	No bid	Zulco Int	$5.72
394										Mckesson	$40.00			ADC	$18.55	Maco International	$8.00	MCKESSON CORPORATION	$16.74		
395	Equipment			Seatbelt Cutters	K4026	EMI	$5.10	No bid	No bid	EMI	$28.75	EMI	$5.88	No bid	No bid	No bid	No bid	No bid	No bid	Emergency Med Ins	$1.68
396										No bid	No bid			DYNAREX	$2.60	Safeguard Medical	$3.50	BOUND TREE MEDICAL LLC	$6.78		
397	General First Aid			Rapid Heat Instant Hot Pack, 10.5 in x 5.5in	2054	CURAPLEX BY BOUND TREE	$0.60	No bid	No bid			Rapid Heat	$1.76	No bid	No bid	Microdot	$1.75	No bid	No bid	Rapid Deployment	$43.33
398										Mckesson	$2.50			RAPID DEPLOYMENT	$1.11			MCKESSON CORPORATION	$0.88		
399	General First Aid			HOT COMPRESS 5 IN X 9	4516	DYNAREX CORPORATION	$0.61	No bid	No bid	Dyarnex	$2.38	Dukal	$0.85	DYNAREX	$0.67	No bid	No bid	No bid	No bid	Dukal	$0.83
400																Dukal	$0.95	DYNAREX	$0.99		
401	General First Aid			Ice pack, Rapid Cold, Convenient Slide Off Clip, Instant Cold 6EA/BX 4BX/CS	2000	DYNAREX CORPORATION	$0.63	No bid	No bid	No bid	No bid	Rapid Cold	$1.76	No bid	No bid	No bid	No bid	No bid	No bid	Dukal	$0.83
402										Mckesson	$1.25			DYNAREX	$0.69	Dukal	$0.75	MCKESSON CORPORATION	$0.45		
403	General First Aid			COLD PACK INSTANT 5.5 IN X 10 IN 24/CS RAPID COLD	2004	CURAPLEX BY BOUND TREE	$0.45	No bid	No bid	No bid	No bid	Rapid Cold	$1.76	No bid	No bid	Microdot	$1.50	No bid	No bid	Rapid Deployment	$43.33
404										Medline	$2.13							CAMBRIDGE SENSORS USA LLC	$1.28		
405														RAPID DEPLOYMENT	$1.47						
406	General First Aid			Emesis Bag, 1000cc, White, Cardboard Rim w/ Hand Protection	1071-10210	CURAPLEX BY BOUND TREE	$0.79	No bid	No bid	No bid	No bid	Dynarex	$1.02	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
407										Medegen Medica	$2.00			DYNAREX	$1.10	Vomex	$1.25	MCKESSON CORPORATION	$0.78	Medsource Int.	$12.38
408	General First Aid			Arterial Tourniquet	1880-23315	NORTH AMERICAN RESCUE, LLC	$26.43	No bid	No bid	No bid	No bid	orth American Resc	$25.25	RTH AMER RESC	$28.89	No bid	No bid	No bid	No bid	NAR	$26.43
409										MedSource Internationa	$40.00					North American Rescue	$25.00	NORTH AMERICAN RESCUE LLC	$23.08		
410	General First Aid			Sterile water 250 cc	607112	BAXTER HEALTHCARE-DMG	$3.54	No bid	No bid	No bid	No bid	Nurse Assist	$1.33	No bid	No bid	No bid	No bid	No bid	No bid	Nurse Assist	$1.56
411										Mckesson	$3.13			NURSE ASSIST, INC	$0.01	ICU Medical	$2.95	PFIZER PHARMACEUTICALS	$8.30		
412	General First Aid			Padded, Short Board	660012	DICK MEDICAL SUPPLY	$2.90	No bid	No bid	No bid	No bid	Dick Medical	$2.45	DICK MEDICAL	$2.95	No bid	No bid	No bid	No bid	Dick Medical	$3.00
413										IRON DUCK	$150.00					Dick Medical Supply	$4.00	MCKESSON CORPORATION	$3.34		
414	General First Aid			Padded, Medium Board	660013	DICK MEDICAL SUPPLY	$4.91	No bid	No bid	No bid	No bid	Dick Medical	$4.16	DICK MEDICAL	$5.00	No bid	No bid	No bid	No bid	Dick Medical	$5.29
415										IRON DUCK INC.	$318.75					Dick Medical Supply	$6.00	MCKESSON CORPORATION	$3.34		
416	General First Aid			Padded, Long Board	660014	DICK MEDICAL SUPPLY	$6.63	No bid	No bid	No bid	No bid	Dick Medical	$5.62	DICK MEDICAL	$6.75	No bid	No bid	No bid	No bid	Dick Medical	$7.77
417										IRON DUCK INC.	$318.75					Dick Medical Supply	$6.50	ST SURGICAL LLC	$49.62		
418	General First Aid			Head Blocks (Set of 2)	3141-50402	DICK MEDICAL SUPPLY	$6.63	No bid	No bid	No bid	No bid	Dick Medical	$2.78	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$6.65
419										DICK MEDICAL SUPPLY	$32.50			DYNAREX	$1.83	Compliance Medica	$4.00	BOUND TREE MEDICAL LLC	$6.41		
420	General First Aid			Blast Bandage	660235	TACTICAL MEDICAL SOLUTIONS, LLC	$6.99	No bid	No bid	No bid	No bid	orth American Resc	$9.49	No bid	No bid	Tactical Medical	$7.95	No bid	No bid	Tactical Med Sol	$8.12
421										30-0032	$18.75			DYNAREX	$4.33			TACTICAL MEDICAL SOLUTIONS INC	$7.84		
422	General First Aid			SAM Splint (Arm)	770-1410EA	SAM MEDICAL	$8.35	No bid	No bid	SAM MEDICAL	$18.75	Sam Medical	$6.45	No bid	No bid	Sam Medical	$7.00	No bid	No bid	SAM Medical	$8.00
423														MEDSOURCE	$6.29			HEALTH FKA PATTERSON MEDICAL	$24.76		
424	General First Aid			Sam Splint (Wrist)	3014-00515	SAM MEDICAL	$2.89	No bid	No bid	SAM MEDICAL	$15.00	Sam Medical	$2.86	SAM MEDCIAL	$3.16	Sam Medical	$3.50	No bid	No bid	SAM Medical	$2.95
425																		HEALTH FKA PATTERSON MEDICAL	$24.76		
426	General First Aid			Sam Splint (Wide Leg)	3014-12104	SAM MEDICAL	$7.62	No bid	No bid	SAM MEDICAL	$27.50	Sam Medical	$7.74	SAM MEDCIAL	$12.33	Sam Medical	$8.00	No bid	No bid	SAM Medical	$9.33
427														DYNAREX	$6.00			THE SEABERG COMPANY INC	$8.24		
428	General First Aid			3" Kling	1121-36559	CURAPLEX BY BOUND TREE	$0.11	No bid	No bid	No bid	No bid	Dukal	$0.11	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$0.16
429										Mckesson	$1.00			COVIDIEN	$0.47	Dukal	$0.19	GENTELL INC	$0.71		
430	General First Aid			Trauma Dressing	16353	CURAPLEX BY BOUND TREE	$1.00	No bid	No bid	No bid	No bid	Dukal	$0.82	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.98
431										Mckesson	$2.50			MEDSOURCE	$1.20	Dukal	$1.00	MCKESSON CORPORATION	$4.83		
432	General First Aid			Burn Sheet	30061MS	CURAPLEX BY BOUND TREE	$2.32	No bid	No bid	No bid	No bid	Dick Medical	$2.00	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$6.21
433										MedSource International	$5.13			MEDSOURCE	$2.67	Dick Medical Supply	$2.50	DYNAREX	$4.09		
434	General First Aid			Emergency Blanket	16570	CURAPLEX BY BOUND TREE	$3.25	No bid	No bid	No bid	No bid	Taylor	$1.67	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$6.33
435										Dynarex	$1.88			DUKAL	$2.37	Taylor Healthcare	$2.25	MCKESSON CORPORATION	$6.14		
436	General First Aid			Blue "Chux" Pad	1073-09853	DYNAREX CORPORATION	$0.15	No bid	No bid	No bid	No bid	Dukal	$0.12	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
437										Mckesson	$18.75			COVIDIEN	$0.16	Cardinal Health	$0.13	JUSTIN BLAIR & CO	$2.46	Generic	$8.85
438	General First Aid			Razor	540047	DYNAREX CORPORATION	$0.44	No bid	No bid	No bid	No bid	Dynarex	$0.44	DYNAREX	$0.48	No bid	No bid	No bid	No bid	Dynarex	$0.45
439										Mckesson	$0.44					Dynarex	$0.46	MCKESSON CORPORATION	$0.15		
440	General First Aid			Bandaids	1122-14960	CURAPLEX BY BOUND TREE	$0.01	No bid	No bid	No bid	No bid	Dukal	$0.02	No bid	No bid	No bid	No bid	No bid	No bid	Dukal	$2.33
441										Mckesson	$4.38			DUKAL	$0.02	Dukal	$0.03	KENVUE BRANDS LLC	$0.17		

442	General First Aid			6" Ace Wrap	1121-36553	CURAPLEX BY BOUND TREE	$0.88	No bid	No bid	No bid	No bid	Dukal	$0.86	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
443										Mckesson	$36.25			DYNAREX	$0.96	Dukal	$1.30	MCKESSON CORPORATION	$1.98	Dukal	$17.33
444	General First Aid			Surgipad 5 x 9	1212-12110	CURAPLEX BY BOUND TREE	$0.17	No bid	No bid	No bid	No bid	Dukal	$0.13	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
445										Mckesson	$10.00			DYNAREX	$0.16	Dukal	$0.15	MCKESSON CORPORATION	$27.49	Dukal	$4.75
446	General First Aid			Sterile 4 x 4	1212-12113	CURAPLEX BY BOUND TREE	$0.09	No bid	No bid	No bid	No bid	Dukal	$0.03	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$1.60
447										Mckesson	$7.50			COVIDIEN	$0.02	Dukal	$0.07	GENTELL INC	$1.39		
448	General First Aid			Soft Restraints	2532	TIDI PRODUCTS, LLC	$7.87	No bid	No bid	No bid	No bid	Dick Medical	$3.76	No bid	No bid	Tidi Products	$4.00	TIDI PRODUCTS	$6.51	TIDI Products	$5.85
449										Skil-Care	$16.88			DICK MEDICAL	$2.26						
450	General First Aid			Pen Light	32762	CURAPLEX BY BOUND TREE	$0.66	No bid	No bid	No bid	No bid	Henry Schein	$1.01	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.99
451										Mckesson	$5.00			MEDSOURCE	$0.19	American Diagnostic	$1.15	MCKESSON CORPORATION	$2.03		
452	General First Aid			Glucose Paste	664389	CAMBRIDGE SENSORS USA, LLC	$3.40	No bid	No bid	No bid	No bid	Transcend	$1.68	No bid	No bid	Life Nutrition	$1.40	No bid	No bid	Transcend Foods	$4.20
453										Perrigo Compan	$22.50			CAMBRIDGE SENSORS	$3.31			PERRIGO CO	$3.60		
454	General First Aid			Triangular Bandage	1124-32400	CURAPLEX BY BOUND TREE	$0.41	No bid	No bid	No bid	No bid	ADI	$0.45	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$0.27
455										Mckesson	$21.00			DYNAREX	$0.28	Dukal	$0.50	MCKESSON CORPORATION	$2.17		
456	General First Aid			Emergency Trauma Dressing	G1288	NORTH AMERICAN RESCUE, LLC	$7.28	No bid	No bid	No bid	No bid	North American Rescue	$6.72	No bid	No bid	No bid	No bid	No bid	No bid	NAR	$6.93
457										MyMedic	$18.75			MEDSOURCE	$1.33	North American Rescue	$7.25	NORTH AMERICAN RESCUE LLC	$8.00		
458	General First Aid			Nar Compressed Gauze	1121-30052	NORTH AMERICAN RESCUE, LLC	$2.52	No bid	No bid	No bid	No bid	North American Rescue	$2.37	NORTH AMER RESCUE	$3.45	North American Rescue	$2.95	BOUND TREE MEDICAL LLC	$3.64	NAR	$2.79
459										North American Rescue	$10.00										
460	General First Aid			Cohesive Bandage	1121-36571	CURAPLEX BY BOUND TREE	$0.41	No bid	No bid	No bid	No bid	Dukal	$0.63	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$0.73
461										Mckesson	$2.50			NDC	$0.78	Dukal	$0.90	MCKESSON CORPORATION	$1.33		
462	General First Aid			Chest Seal	NAR10-0037	NORTH AMERICAN RESCUE, LLC	$7.30	No bid	No bid	North American Rescue	$40.00	North American Rescue	$6.45	NORTH AMER RESCUE	$6.25	North American Rescue	$14.00	No bid	No bid	NAR	$13.25
463																		RESPIRONICS	$27.28		
464	Infection Control			Gloves, Cobalt, SM, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N191	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	No bid	No bid	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.08	IHC	$7.90
465								DASH	0.06	Mckesson	$16.25	Dash Medical	$0.05								
466	Infection Control			Gloves, Cobalt, MED, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N192	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	No bid	No bid	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.08	IHC	$7.90
467								DASH	0.06	Mckesson	$16.25	Dash Medical	$0.05								
468	Infection Control			Gloves, Cobalt, LG, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N193	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	No bid	No bid	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.08	IHC	$7.90
469								DASH	0.06	Mckesson	$16.25	Dash Medical	$0.05								
470	Infection Control			Gloves, Cobalt, XL, Nitrile, Exam, Powder Free, Blue, 4.0 mil palm	N194	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	No bid	No bid	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.08	IHC	$7.90
471								DASH	0.06	Mckesson	$16.25	Dash Medical	$0.05								
472	Infection Control			Gloves, Supreno EC, XS, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XS	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	No bid	No bid	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$9.00	No bid	No bid	Microflex	$10.93
473										Medline	$0.70							ANSELL HEALTHCARE	$0.21		
474	Infection Control			Gloves, Supreno EC, SM, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-S	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	Ansell Healthcare	$23.13	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$0.09	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
475								DASH	0.12	Medline	$35.00	Dash Medical	$0.11								
476	Infection Control			Gloves, Supreno EC, MED, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-M	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	Ansell Healthcare	$23.13	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$0.09	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
477								DASH	0.12	Medline	$35.00	Dash Medical	$0.11								
478	Infection Control			Gloves, Supreno EC, LG, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-L	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	Ansell Healthcare	$23.13	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$0.09	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
479								DASH	0.12	Medline	$35.00	Dash Medical	$0.11								
480	Infection Control			Gloves, Supreno EC, XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	Ansell Healthcare	$4.63	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$0.09	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
481								DASH	0.12	Mdline	$35.00	Dash Medical	$0.11								
482	Infection Control			Gloves, Supreno EC, 2XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XXL	ANSELL HEALTHCARE PRODUCTS LLC	$0.18	No bid	No bid	Ansell Healthcare	$23.13	Ansell	$0.18	ANSELL	$0.20	Ansell Healthcare	$0.09	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
483								DASH	0.12			Dash Medical	$0.11								
484	Infection Control			Gloves, Supreno EC, 3XL, Nitrile, Powder Free, Textured, High Risk, Extended Cuff	SEC-375-XXXL	ANSELL HEALTHCARE PRODUCTS LLC	$0.23	No bid	No bid	No bid	No bid	Ansell	$0.22	ANSELL	$0.20	Ansell Healthcare	$9.00	ANSELL HEALTHCARE	$0.21	Microflex	$10.93
485																					
486	Infection Control			Gloves, Supreno SE, SM, Nitrile, Powder Free, Standard Textured Exam	SU-690-S	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Ansell	$32.50	Ansell	$0.11	ANSELL	$0.12	Ansell Healthcare	$0.11	ANSELL HEALTHCARE	$0.12	Microflex	$10.80
487								DASH	0.06	Mckesson	$25.00										
488	Infection Control			Gloves, Supreno SE, MED, Nitrile, Powder Free, Standard Textured Exam	SU-690-M	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Ansell	$32.50	Ansell	$0.11	ANSELL	$0.12	Ansell Healthcare	$0.11	ANSELL HEALTHCARE	$0.12	Microflex	$10.80
489								DASH	0.06	Mckesson	$25.00										
490	Infection Control			Gloves, Supreno SE, LG, Nitrile, Powder Free, Standard Textured Exam	SU-690-L	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Ansell	$32.50	Ansell	$0.11	ANSELL	$0.12	Ansell Healthcare	$0.11	ANSELL HEALTHCARE	$0.12	Microflex	$10.80
491								DASH	0.06	Mckesson	$25.00										
492	Infection Control			Gloves, Supreno SE, XL, Nitrile, Powder Free, Standard Textured Exam	SU-690-XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	ansell	$32.50	Ansell	$0.11	ANSELL	$0.12	Ansell Healthcare	$0.11	ANSELL HEALTHCARE	$0.12	Microflex	$10.80
493								DASH	0.06	Mckesson	$25.00										
494	Infection Control			Gloves, Supreno SE, 2XL, Nitrile, Powder Free, Standard Textured Exam	SU-690-2XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	No bid	No bid	Ansell	$0.11	ANSELL	$0.12	No bid	No bid	ANSELL HEALTHCARE	$0.12	Microflex	$10.80
495								DASH	0.06												
496	Infection Control			Gloves, MidKnight, XS, Black, Nitrile, Powder Free	MK-296-XS	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$0.00	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
497								DASH	0.07												
498	Infection Control			Gloves, MidKnight, SM, Black, Nitrile, Powder Free	MK-296-S	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$22.50	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
499								DASH	0.07			Sempermed	$0.06								
500	Infection Control			Gloves, MidKnight, MED, Black, Nitrile, Powder Free	MK-296-M	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$22.50	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
501								DASH	0.07			Sempermed	$0.06								
502	Infection Control			Gloves, MidKnight, LG, Black, Nitrile, Powder Free	MK-296-L	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$22.50	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
503								DASH	0.07			Sempermed	$0.06								
504	Infection Control			Gloves, MidKnight, XL, Black, Nitrile, Powder Free	MK-296-XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$22.50	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
505								DASH	0.07			Sempermed	$0.06								
506	Infection Control			Gloves, MidKnight, 2XL, Black, Nitrile, Powder Free	MK-296-XXL	ANSELL HEALTHCARE PRODUCTS LLC	$0.10	No bid	No bid	Microflex Medica	$22.50	Ansell	$0.10	ANSELL	$0.11	Ansell Healthcare	$0.10	ANSELL HEALTHCARE	$0.12	Microflex	$11.50
507								DASH	0.07			Sempermed	$0.06								
508	Infection Control			Gloves, MidKnight Touch 93-732, XS, Nitrile, Black, Powder Free, 9.5in	93732060	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	Ansell Healthcare	$0.07	No bid	No bid	No bid	No bid
509								DASH	0.05			Dash Medical	$0.05								
510	Infection Control			Gloves, MidKnight Touch 93-732, SM, Nitrile, Black, Powder Free, 9.5in	93732070	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	Ansell Healthcare	$0.07	No bid	No bid	No bid	No bid
511								DASH	0.05			Dash Medical	$0.05					MCKESSON CORPORATION	$0.02		
512	Infection Control			Gloves, MidKnight Touch 93-732, MED, Nitrile, Black, Powder Free, 9.5in	93732080	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	Ansell Healthcare	$0.07	No bid	No bid	No bid	No bid
513								DASH	0.05			Dash Medical	$0.05					MCKESSON CORPORATION	$0.02		
514	Infection Control			Gloves, MidKnight Touch 93-732, LG, Nitrile, Black, Powder Free, 9.5in	93732090	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	Ansell Healthcare	$0.07	ANSELL HEALTHCARE	$0.07	No bid	No bid
515								DASH	0.05			Dash Medical	$0.05								
516	Infection Control			Gloves, MidKnight Touch 93-732, XL, Nitrile, Black, Powder Free, 9.5in	93732100	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	Ansell Healthcare	$0.07	ANSELL HEALTHCARE	$0.07	No bid	No bid

517											DASH	0.05			Dash Medical	$0.05							
518	Infection Control			Gloves, MidKnight Touch 93-732, 2XL, Nitrile, Black, Powder Free, 9.5in	93732110	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medica	$14.38	Ansell	$0.06	ANSELL	$0.07	No bid	No bid	No bid	No bid	No bid	No bid
519								DASH	0.05			Dash Medical	$0.05								
520	Infection Control			Gloves, Ultrasense EC, XS, Latex Free, Powder Free	USE-880-XS	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	Microflex	$0.20	Ansell	$0.11	ANSELL	$0.13	No bid	No bid	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
521												Sempermed	$0.08								
522	Infection Control			Gloves, Ultrasense EC, SM, Latex Free, Powder Free	USE-880-S	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	Microflex	$0.20	Ansell	$0.11	ANSELL	$0.13	Ansell Healthcare	$0.12	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
523								DASH	0.12	Mckesson	$20.00	Sempermed	$0.08								
524	Infection Control			Gloves, Ultrasense EC, MED, Latex Free, Powder Free	USE-880-M	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	Microflex	$0.20	Sempermed	$0.11	ANSELL	$0.13	Ansell Healthcare	$0.12	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
525								DASH	0.12	Mckesson	$20.00	Sempermed	$0.08								
526	Infection Control			Gloves, Ultrasense EC, LG, Latex Free, Powder Free	USE-880-L	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	No bid	No bid	Ansell	$0.11	ANSELL	$0.13	Ansell Healthcare	$0.12	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
527								DASH	0.12	Mckesson	$20.00	Sempermed	$0.08								
528	Infection Control			Gloves, Ultrasense EC, XL, Latex Free, Powder Free	USE-880-XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	No bid	No bid	Ansell	$0.11	ANSELL	$0.13	Ansell Healthcare	$0.12	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
529								DASH	0.12	Mckesson	$20.00	Sempermed	$0.08								
530	Infection Control			Gloves, Ultrasense EC, 2XL, Latex Free, Powder Free	USE-880-XXL	ANSELL HEALTHCARE PRODUCTS LLC	$0.11	No bid	No bid	No bid	No bid	Ansell	$0.11	ANSELL	$0.13	Ansell Healthcare	$0.12	ANSELL HEALTHCARE	$0.12	Microflex	$14.12
531								DASH	0.12												
532	Infection Control			Gloves, UltraSense, XS, Nitrile, Powder Free	US-220-XS	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	Microflex Medical	$0.18	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.09	Microflex	$14.12
533								DASH	0.05	Mckesson	$25.00										
534	Infection Control			Gloves, UltraSense, SM, Nitrile, Powder Free	US-220-S	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	No bid	No bid	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.09	Microflex	$10.99
535								DASH	0.05	Mckesson	$25.00										
536	Infection Control			Gloves, UltraSense, MED, Nitrile, Powder Free	US-220-M	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	Microflex Medical	$18.13	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.09	Microflex	$10.99
537								DASH	0.05	Mckesson	$25.00										
538	Infection Control			Gloves, UltraSense, LG, Nitrile, Powder Free	US-220-L	ANSELL HEALTHCARE PRODUCTS LLC	$0.08	No bid	No bid	Microflex Medical	$18.13	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.09	Microflex	$10.99
539								DASH	0.05	Mckesson	$25.00										
540	Infection Control			Gloves, UltraSense, XL, Nitrile, Powder Free	US-220-XL	ANSELL HEALTHCARE PRODUCTS LLC	$0.07	No bid	No bid	Microflex Medical	$18.13	Ansell	$0.08	ANSELL	$0.09	Ansell Healthcare	$0.08	ANSELL HEALTHCARE	$0.09	Microflex	$10.99
541								DASH	0.05	Mckesson	$25.00										
542	Infection Control			Gloves, BLACK-FIRE, XS, Powder-Free, Nitrile, Exam	44755	O&M HALYARD, INC.	$0.13	No bid	No bid	O&M HALYARD, INC.	$52.50	Halyard	$0.11	KIMBERLY CLARK	$0.12	Halyard Health	$16.50	O & M HALYARD INC	$0.13	Kimberly Clark	$24.99
543								DASH	0.07												
544	Infection Control			Gloves, BLACK-FIRE, SM, Powder-Free, Nitrile, Exam	44756	O&M HALYARD, INC.	$0.13	No bid	No bid	O&M HALYARD, INC.	$52.50	Halyard	$0.11	KIMBERLY CLARK	$0.12	Halyard Health	$0.11	No bid	No bid	Kimberly Clark	$24.99
545								DASH	0.07									MCKESSON CORPORATION	$0.02		
546	Infection Control			Gloves, BLACK-FIRE, MED, Powder-Free, Nitrile, Exam	44757	O&M HALYARD, INC.	$0.13	No bid	No bid	O&M HALYARD, INC.	$52.50	Halyard	$0.11	KIMBERLY CLARK	$0.12	Halyard Health	$0.11	No bid	No bid	Kimberly Clark	$24.99
547								DASH	0.07									MCKESSON CORPORATION	$0.02		
548	Infection Control			Gloves, BLACK-FIRE, LG, Powder-Free, Nitrile, Exam	44758	O&M HALYARD, INC.	$0.13	No bid	No bid	O&M HALYARD, INC.	$52.50	Halyard	$0.11	KIMBERLY CLARK	$0.12	Halyard Health	$0.11	No bid	No bid	Kimberly Clark	$24.99
549								DASH	0.07									MCKESSON CORPORATION	$0.02		
550	Infection Control			Gloves, BLACK-FIRE, XL, Powder-Free, Nitrile, Exam	44759	O&M HALYARD, INC.	$0.14	No bid	No bid	O&M HALYARD, INC.	$52.50	Halyard	$0.12	KIMBERLY CLARK	$0.13	Halyard Health	$0.12	No bid	No bid	Kimberly Clark	$24.99
551								DASH	0.07									MCKESSON CORPORATION	$0.02		
552	Infection Control			Gloves, KC500 Purple Nitrile, XS, Latex Free, Powder Free, 9.5 in Cuff	55080	O&M HALYARD, INC.	$0.20	No bid	No bid	Halyard	$33.75	Halyard	$0.10	KIMBERLY CLARK	$0.11	Halyard Health	$0.11	No bid	No bid	No bid	No bid
553								DASH	0.07	Mckesson	$31.25							O & M HALYARD INC	$0.12		
554	Infection Control			Gloves, KC500 Purple Nitrile, SM, Latex Free, Powder Free, 9.5 in Cuff	55081	O&M HALYARD, INC.	$0.20	No bid	No bid	Halyard	$33.75	Halyard	$0.10	KIMBERLY CLARK	$0.11	Halyard Health	$0.11	No bid	No bid	No bid	No bid
555								DASH	0.07	Mckesson	$31.25							O & M HALYARD INC	$0.12	Halyard	$13.99
556	Infection Control			Gloves, KC500 Purple Nitrile, MED, Latex Free, Powder Free, 9.5 in Cuff	55082	O&M HALYARD, INC.	$0.20	No bid	No bid	Halyard	$33.75	Halyard	$0.10	KIMBERLY CLARK	$0.11	Halyard Health	$0.11	No bid	No bid	No bid	No bid
557								DASH	0.07	Mckesson	$31.25							O & M HALYARD INC	$0.12	Halyard	$13.99
558	Infection Control			Gloves, KC500 Purple Nitrile, LG, Latex Free, Powder Free, 9.5 in Cuff	55083	O&M HALYARD, INC.	$0.20	No bid	No bid	Halyard	$33.75	Halyard	$0.10	KIMBERLY CLARK	$0.11	Halyard Health	$0.11	No bid	No bid	No bid	No bid
559								DASH	0.07	Mckesson	$31.25							O & M HALYARD INC	$0.12	Halyard	$13.99
560	Infection Control			Gloves, KC500 Purple Nitrile, XL, Latex Free, Powder Free, 9.5 in Cuff	55084	O&M HALYARD, INC.	$0.20	No bid	No bid	Halyard	$33.75	Halyard	$0.12	KIMBERLY CLARK	$0.12	Halyard Health	$0.12	No bid	No bid	No bid	No bid
561								DASH	0.07	Mckesson	$31.25							O & M HALYARD INC	$0.13	Halyard	$13.99
562	Infection Control			TritonGrip VL Gloves,SM	1012-44883	CURAPLEX BY BOUND TREE	$0.04	No bid	No bid	HAylard	$31.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
563								DASH	0.03	Mckesson	$12.50	Dash Medical	$0.03	VANGAURD	$0.03	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.03	IHC	$6.99
564	Infection Control			TritonGrip VL Gloves, MED	1012-44884	CURAPLEX BY BOUND TREE	$0.04	No bid	No bid	Haylard	$31.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
565								DASH	0.03	Mckesson	$15.00	Dash Medical	$0.03	VANGAURD	$0.03	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.03	IHC	$6.99
566	Infection Control			TritonGrip VL Gloves, LG	1012-44885	CURAPLEX BY BOUND TREE	$0.04	No bid	No bid	HAylard	$31.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
567								DASH	0.03	Mckesson	$12.50	Dash Medical	$0.03	VANGAURD	$0.03	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.03	IHC	$6.99
568	Infection Control			TritonGrip VL Gloves, XL	1012-44886	CURAPLEX BY BOUND TREE	$0.04	No bid	No bid	Haylard	$31.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
569								DASH	0.03	Mckesson	$12.50	Dash Medical	$0.03	VANGAURD	$0.03	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.03	IHC	$6.99
570	Infection Control			TritonGrip TE Gloves, SM, Black Nitrile, Powder Free	1012-47133	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
571								DASH	0.07			Sempermed	$0.06	CAMBRIDGE SENSORS	$0.06	HARPS USA, Inc.	$0.06	MCKESSON CORPORATION	$0.06	IHC	$7.50
572	Infection Control			TritonGrip TE Gloves, MED, Black Nitrile, Powder Free	1012-47134	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
573								DASH	0.07			Sempermed	$0.06	CAMBRIDGE SENSORS	$0.06	HARPS USA, Inc.	$0.06	MCKESSON CORPORATION	$0.06	IHC	$7.50
574	Infection Control			TritonGrip TE Gloves, LG, Black Nitrile, Powder Free	1012-47135	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
575								DASH	0.07			Sempermed	$0.06	CAMBRIDGE SENSORS	$0.06	HARPS USA, Inc.	$0.06	MCKESSON CORPORATION	$0.06	IHC	$7.50
576	Infection Control			TritonGrip TE Gloves, XL, Black Nitrile, PF	1012-47136	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
577								DASH	0.07			Sempermed	$0.06	CAMBRIDGE SENSORS	$0.06	HARPS USA, Inc.	$0.06	HARPS USA INC	$0.09	IHC	$7.50
578	Infection Control			TritonGrip SE Gloves, SM, Blue Nitrile, Powder Free	1012-47123	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
579								DASH	0.07	Mckesson	$25.00	Sempermed	$0.07	CAMBRIDGE SENSORS	$0.13	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.06	IHC	$7.50
580	Infection Control			TritonGrip SE Gloves, MED, Blue Nitrile, Powder Free	1012-47124	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
581								DASH	0.07	Mckesson	$25.00	Sempermed	$0.07	CAMBRIDGE SENSORS	$0.13	HARPS USA, Inc.	$0.07	ANSELL HEALTHCARE	$0.10	IHC	$7.50
582	Infection Control			TritonGrip SE Gloves, LG, Blue Nitrile, Powder Free	1012-47125	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
583								DASH	0.07	Mckesson	$25.00	Sempermed	$0.07	CAMBRIDGE SENSORS	$0.13	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.27	IHC	$7.50
584	Infection Control			TritonGrip SE Gloves, XL, Blue Nitrile, Powder Free	1012-47126	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
585								DASH	0.07	Mckesson	$25.00	Sempermed	$0.07	CAMBRIDGE SENSORS	$0.14	HARPS USA, Inc.	$0.07	MCKESSON CORPORATION	$0.11	IHC	$7.50
586	Infection Control			TritonGrip HV Gloves, XS, Orange Nitrile	1015-47150	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
587										Innovative Healthcare Corp	$0.00			INNOVATIVE HEALTHCARE	$0.07	Innovative Healthcare	$8.00	HEALTHCARE CORPORATION	$0.08	IHC	$8.99
588	Infection Control			TritonGrip HV Gloves, SM, Orange Nitrile	1015-47151	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
589										Mckesson	$18.75			INNOVATIVE HEALTHCARE	$0.07	Innovative Healthcare	$0.08	HEALTHCARE CORPORATION	$0.08	IHC	$8.99
590	Infection Control			TritonGrip HV Gloves, MED, Orange Nitrile	1015-47152	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
591										MCkesson	$18.75			INNOVATIVE HEALTHCARE	$0.07	Innovative Healthcare	$0.08	HEALTHCARE CORPORATION	$0.08	IHC	$8.99

592	Infection Control			TritonGrip HV Gloves, LG, Orange Nitrile	1015-47153	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
593										Mckesson	$18.75			INNOVATIVE HEALTHCARE	$0.07	Innovative Healthcare	$0.08	HEALTHCARE CORPORATION	$0.08	IHC	$8.99
594	Infection Control			TritonGrip HV Gloves, XL, Orange Nitrile	1015-47154	CURAPLEX BY BOUND TREE	$0.07	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
595										Mckesson	$18.75			INNOVATIVE HEALTHCARE	$0.07	Innovative Healthcare	$0.08	HEALTHCARE CORPORATION	$0.08	IHC	$8.99
596	Infection Control			TritonGrip HV Gloves, 2XL, Orange Nitrile	1015-47155	CURAPLEX BY BOUND TREE	$0.09	No bid	No bid	Curaplex	$25.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
597										Mckesson	$0.00			INNOVATIVE HEALTHCARE	$0.09	Innovative Healthcare	$8.00	HEALTHCARE CORPORATION	$0.11	IHC	$8.99
598	Infection Control			TritonGrip EP X2 Gloves, SM, White Ext/Green Int, PF Nitrile Exam	1015-47143	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid	Curaplex	$46.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
599								DASH	0.12	Microflex Medica	$18.75	Ansell	$0.18			Ansell Healthcare	$0.18	HARPS USA INC	$0.07	Microflex	$19.95
600	Infection Control			TritonGrip EP X2 Gloves, MED, White Ext/Green Int, PF Nitrile Exam	1015-47144	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid	Curaplex	$46.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
601								DASH	0.12	Mckesson	$18.75	Ansell	$0.18			Ansell Healthcare	$0.18	MCKESSON CORPORATION	$0.46	Microflex	$19.95
602	Infection Control			TritonGrip EP X2 Gloves, LG, White Ext/Green Int, PF Nitrile Exam	1015-47145	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid	Curaplex	$46.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
603								DASH	0.12	Mckesson	$18.75	Ansell	$0.18			Ansell Healthcare	$0.18	ANSELL HEALTHCARE	$0.06	Microflex	$19.95
604	Infection Control			TritonGrip EP X2 Gloves, XL, White Ext/Green Int, PF Nitrile Exam	1015-47146	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid	Curaplex	$46.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
605								DASH	0.12	MCkesson	$18.75	Ansell	$0.18			Ansell Healthcare	$0.18	MCKESSON CORPORATION	$0.27	Microflex	$19.95
606	Infection Control			TritonGrip EP X2 Gloves, 2XL, White Ext/Green Int, PF Nitrile Exam	1015-47147	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid	Curaplex	$46.25	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
607								DASH	0.12			Ansell	$0.18			Ansell Healthcare	$0.18	HEALTHCARE CORPORATION	$0.05	Microflex	$19.95
608	Infection Control			TritonGrip EC Exam Gloves, Blue, Small	1015-47161	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid	Curaplex	$30.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
609								DASH	0.12	Microflex Medical	$0.00	Sempermed	$0.08	KIMBERLY CLARK	$0.17	SW Sustainability Sol.	$0.13	MCKESSON CORPORATION	$0.04	IHC	$6.50
610	Infection Control			TritonGrip EC Exam Gloves, Blue, Medium	1015-47162	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid	Curaplex	$30.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
611								DASH	0.12	Microflex Medical	$26.25	Sempermed	$0.08	KIMBERLY CLARK	$0.17	SW Sustainability Sol.	$0.13	MCKESSON CORPORATION	$0.04	IHC	$6.50
612	Infection Control			TritonGrip EC Exam Gloves, Blue, Large	1015-47163	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid	Curaplex	$30.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
613								DASH	0.12	Microflex Medical	$26.25	Sempermed	$0.08	KIMBERLY CLARK	$0.17	SW Sustainability Sol.	$0.13	MCKESSON CORPORATION	$0.04	IHC	$6.50
614	Infection Control			TritonGrip EC Exam Gloves, Blue, X-Large	1015-47164	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid	Curaplex	$30.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
615								DASH	0.12	Microflex Medical	$26.25	Sempermed	$0.08	KIMBERLY CLARK	$0.17	SW Sustainability Sol.	$0.13	MCKESSON CORPORATION	$0.05	IHC	$6.50
616	Infection Control			Foam Hand Cleaner	1063-72915	ECOLAB INC.	$8.40	No bid	No bid	ECOLAB INC.	$15.00	Ecolab	$8.35	No bid	No bid	No bid	No bid	No bid	No bid	Ecolab	$15.76
617										Mckesson	$11.25			DERMARITE	$0.55	Ecolab	$10.00	GOJO INDUSTRIES INC.	$19.47		
618	Infection Control			Squad Sharps Container	295488	BECTON DICKINSON	$4.02	No bid	No bid	BD	$22.50	BD	$6.03	BD	$6.39	Becton Dickinson	$5.00	No bid	No bid	Becton Dickinson	3.72
619										Mckesson	$11.25							MCKESSON CORPORATION	$3.52		
620	Infection Control			Wall Mounted Sharps Container	298507SA	MAMMOTH MEDICAL, INC.	$5.39	No bid	No bid	Other Manufactuer	$18.13	Cardinal	$5.75	No bid	No bid	Cardinal Health	$6.00	No bid	No bid	Cardinal Health	4.55
621														BEMIS	$5.56			MCKESSON CORPORATION	$32.63		
622	Infection Control			Mask w/ Shield	29080	O&M HALYARD, INC.	$0.98	No bid	No bid	No bid	No bid	Henry Schein	$0.34	KIMBERLY CLARK	$1.01	No bid	No bid	No bid	No bid	Halyard	24.88
623										Cardinal Health	$25.00					Halyard Health	$1.00	MCKESSON CORPORATION	$0.82		
624	Infection Control			N95 Mask	670245-KIT	CURAPLEX BY BOUND TREE	$29.56	No bid	No bid	No bid	No bid	3M	$0.96	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
625										3M	$41.25			KIMBERLY CLARK	$1.32	3M Health Care	$1.30	FISHER & PAYKEL HEALTHCARE INC	$88.55	3M	$21.00
626	Infection Control			Spit Sock	MS-44400	MEDSOURCE INTERNATIONAL	$0.84	No bid	No bid		$3.50	MedSource	$2.05	MEDSOURCE	$2.00	No bid	No bid	No bid	No bid	Taylor Health	$2.97
627																Taylor Healthcare	$3.00	HUMANE RESTRAINT CO.	$10.21		
628	Infection Control			Safety Glasses	660274	ANSELL HEALTHCARE PRODUCTS LLC	$2.42	No bid	No bid		$8.75	UVEX	$11.00	No bid	No bid	No bid	No bid	No bid	No bid	Pyramex	$1.39
629														PYRAMEX	$3.39	Gateway Safety	$3.00	CO/UNITED STATIONERS	$6.39		
630	Infection Control			Super-Sani Cloth	1061-17517	PDI	$0.04	No bid	No bid		$22.50	PDI	$0.04	PDI	$0.05	No bid	No bid	No bid	No bid	PDI	$5.89
631																Aseptic Control	$7.00	PROFESSIONAL DISPOSABLES, INC.	$4.37		
632	Infection Control			Small Sharps Container	298303	MAMMOTH MEDICAL, INC.	$4.75	No bid	No bid		$16.25	Cardinal	$4.48	No bid	No bid	No bid	No bid	No bid	No bid	Cardinal Health	$4.60
633														HARBOR SAFETY PROD	$4.74	Cardinal Health	$6.00	MCKESSON CORPORATION	$3.52		
634	Infection Control			Small Bio-Hazard Bags	520-RD650	MEDEGEN MEDICAL PRODUCTS, LLC	$0.10	No bid	No bid	No bid	No bid	Medegen	$0.12	No bid	No bid	Medegen Medical	$0.13	No bid	No bid	Southereaster	$0.01
635														MEDICAL ACTION IND	$0.06			MCKESSON CORPORATION	$0.12		
636	Infection Control			Wash Basin	1072-80347	MEDLINE INDUSTRIES, INC.	$0.73	No bid	No bid		$3.25	Medegen	$1.07	No bid	No bid	Medline Industries	$1.00	No bid	No bid	Generic	$1.05
637														MEDICAL ACTION IND	$0.92			MCKESSON CORPORATION	$1.13		
638	Infection Control			P.A.W.S. Wipes	2034400	SAFETEC OF AMERICA, INC.	$0.07	No bid	No bid		$0.25	Safetec	$0.06	SAFETECH	$7.26	Safetec	$0.07	No bid	No bid	Safetoc of Am	$6.15
639																		SAFETEC OF AMERICA	$0.06		
640	Infection Control			Thermometer Probe Covers	2733-53175	WELCH ALLYN, INC.	$0.04	No bid	No bid		$37.50	Welch Allyn	$0.04	No bid	No bid	Welch Allyn	$0.04	No bid	No bid	Welch Allyn	$10.50
641														GRAHAM FIELD	$0.03			CHEFS DEPOT DBA CULINARY DEPOT	$9.00		
642	Infection Control			Wall Mounted Emesis Bags	1071-10202	CURAPLEX BY BOUND TREE	$0.53	No bid	No bid		$51.25	Henry Schein	$0.27	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$93.15
643														MEDICAL ACTION IND	$0.54	Medegen Medical	$0.60	XODUS MEDICAL	$134.88		
644	Infection Control			Tyvek Suits	TY127SLG	ANSELL HEALTHCARE PRODUCTS LLC	$7.50	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Dupont	$7.65
645														DUKAL	$3.05	Ansell Healthcare	$7.00	FISHER HEALTHCARE (THERMO)	$9.97		
646	Infection Control			Exam Gowns	X2320	MEDLINE INDUSTRIES, INC.	$0.66	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Dick Medical	$2.46
647														DUKAL	$1.07	Graham Medical	$1.25	CO/UNITED STATIONERS	$0.28		
648	Infection Control			Surgical Masks	1031-91422	O&M HALYARD, INC.	$0.16	No bid	No bid	No bid	No bid	Henry Schein	$0.12	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$19.50
649										O&M Halyard Inc	$27.50			DUKAL	$0.16	Dick Medical Supply	$0.12	MCKESSON CORPORATION	$0.18		
650	Infection Control			Booties	290540	O&M HALYARD, INC.	$0.18	No bid	No bid		$3.13	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$17.99
651											$0.00			AMD RITMED	$0.14	Dukal	$0.10	TIDI PRODUCTS	$20.81		
652	IV / Drug Admin			IV Start Kit (Tegaderm, Alcohol, No Flush)	540-1358-A	CURAPLEX BY BOUND TREE	$1.25	No bid	No bid		$9.38	Motion	$1.08	No bid	No bid	No bid	No bid	No bid	No bid	Medsource Int.	$0.79
653														MEDICAL ACTION IND	$1.03	Motion Medical	$1.50	MCKESSON CORPORATION	$1.02		
654	IV / Drug Admin			IV Start Kit (Tegaderm, Alcohol, No Flush, Towel)	670062-KIT	CURAPLEX BY BOUND TREE	$1.29	No bid	No bid		$10.00	Motion	$1.08	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
655														MEDICAL ACTION IND	$1.12	Motion Medical	$1.25	MCKESSON CORPORATION	$1.02		
656	IV / Drug Admin			IV Start Kit (Tegaderm, Alcohol, Flush)	670064-KIT	CURAPLEX BY BOUND TREE	$2.70	No bid	No bid		$16.25	Taylor Healthcare	$2.86	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
657														MEDSOURCE	$4.39	Motion Medical	$1.50	MCKESSON CORPORATION	$1.02	Medsource Int.	$2.55
658	IV / Drug Admin			BD IO Powered Driver w/ Charger	D001001	BECTON DICKINSON (BARD ACCESS DIVISION)	$700.00	No bid	No bid		$1,375.00	BD	$625.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
659																Sam Medical	$129.00				
660	IV / Drug Admin			BD IO 15mm Needle Kit w/ Stabilizer and Extension Set	D015151NK	BECTON DICKINSON (BARD ACCESS DIVISION)	$130.00	No bid	No bid	No bid	No bid	BD	$125.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
661										BECTON DICKINSON	$531.25					Sam Medical	$65.00				
662	IV / Drug Admin			BD IO 25mm Needle Kit w/ Stabilizer and Extension Set	D015251NK	BECTON DICKINSON (BARD ACCESS DIVISION)	$130.00	No bid	No bid			BD	$125.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
663										BECTON DICKINSON	$531.25					Sam Medical	$65.00				
664	IV / Drug Admin			BD IO 35mm Needle Kit w/ Stabilizer and Extension Set	D015351NK	BECTON DICKINSON (BARD ACCESS DIVISION)	$130.00	No bid	No bid			BD	$125.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
665										BECTON DICKINSON	$531.25										
666	IV / Drug Admin			BD IO 45mm Needle Kit w/ Stabilizer and Extension Set	D015451NK	BECTON DICKINSON (BARD ACCESS DIVISION)	$130.00	No bid	No bid			BD	$125.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid

667										BECTON DICKINSON	$531.25					Sam Medical	$65.00				
668	IV / Drug Admin			BD IO 55mm Needle Kit w/ Stabilizer and Extension Set	D015551NK	BECTON DICKINSON (BARD ACCESS DIVISION)	$130.00	No bid	No bid			BD	$125.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
669										BECTON DICKINSON	$531.25										
670	IV / Drug Admin			IO DRILL CARRYING CASE	D001005	BECTON DICKINSON (BARD ACCESS DIVISION)	$70.00	No bid	No bid			BD	$56.82	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
671										BECTON DICKINSON	$125.00					Sam Medical	$45.00	GOLDEN MAX LLC DBA OPTIMAL	$223.59		
672	IV / Drug Admin			IV Admin Set, 10 Drp, 83in, Pre-Prcd Y-Site, SrLk Ndle-Free Y Ste, Rotat Male LL	108306	CURAPLEX BY BOUND TREE	$1.25	No bid	No bid		$6.25	MedSource	$1.15	No bid	No bid	Amsino International	$2.50	AMSINO INTERNATIONAL, INC.	$2.43	Medsource Int.	$1.39
673														MEDSOURCE	$0.86						
674	IV / Drug Admin			IV Admin Set, 60Drp, 83in,PP Y-Site, Sure-Lok Ndle-Free Y-Site, Rotat Male LL	608306	CURAPLEX BY BOUND TREE	$1.25	No bid	No bid		$6.25	MedSource	$1.21	AMSINO	$2.48	Amsino International	$3.50	AMSINO INTERNATIONAL, INC.	$2.63	Medsource Int.	$1.39
675														MEDSOURCE	$1.45						
676	IV / Drug Admin			Extension Set, 8 in, Removable Sure-Lok, NeedleFree Connect, Rotating Male LL	AE3108	CURAPLEX BY BOUND TREE	$100.00	No bid	No bid		$5.63	Amsino	$0.96	No bid	No bid	Amsino International	$1.75	No bid	No bid	Medsource Int.	$1.05
677														MEDSOURCE	$1.19			AMSINO INTERNATIONAL, INC.	$1.99		
678	IV / Drug Admin			Pressure Infuser	350310	CURAPLEX BY BOUND TREE	$8.06	No bid	No bid		$41.25	Ethox	$7.85	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
679														EXEL	$20.32	AirLife	$25.00	HOLDINGS DBA AIRLIFE	$9.74	Mason Taylor	$12.20
680	IV / Drug Admin			3-Way Stopcock	1811-03456	B. BRAUN MEDICAL INC.	$0.72	No bid	No bid		$3.50	B Braun	$0.66	No bid	No bid	No bid	No bid	No bid	No bid	Smith Medical	$0.73
681														SMITHS MEDICAL	$1.43	ICU Medical	$1.25	B. BRAUN MEDICAL INC.	$0.86		
682	IV / Drug Admin			14 ga. Catheter	602594	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	$1.99
683														MEDSOURCE	$1.56	B. Braun Medical	$2.00	B. BRAUN MEDICAL INC.	$2.19		
684	IV / Drug Admin			16 ga. Catheter	602586	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	1.99
685														MEDSOURCE	$1.56	B. Braun Medical	$2.00	B. BRAUN MEDICAL INC.	$2.30		
686	IV / Drug Admin			18 ga. Catheter	602560	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	1.99
687														MEDSOURCE	$1.67	B. Braun Medical	$2.00	B. BRAUN MEDICAL INC.	$2.28		
688	IV / Drug Admin			20 ga. Catheter	602535	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	1.99
689														MEDSOURCE	$1.67	B. Braun Medical	$2.00	MCKESSON CORPORATION	$0.68		
690	IV / Drug Admin			22 ga. Catheter	602519	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	$1.99
691														MEDSOURCE	$1.67	B. Braun Medical	$2.00	MCKESSON CORPORATION	$0.68		
692	IV / Drug Admin			24 ga. Catheter	602500	CURAPLEX BY BOUND TREE	$1.35	No bid	No bid		$8.13	B Braun	$1.75	No bid	No bid	No bid	No bid	No bid	No bid	B Braun	$1.99
693														MEDSOURCE	$1.56	B. Braun Medical	$2.00	MCKESSON CORPORATION	$0.85		
694	IV / Drug Admin			Betadine Prep	609153	DYNAREX CORPORATION	$0.05	No bid	No bid	No bid	No bid	Dynarex	$0.00	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$4.42
695														PDI LABS	$0.06	Dynarex	$0.06	MCKESSON CORPORATION	$4.93		
696	IV / Drug Admin			Alcohol Prep	1330-85300	CURAPLEX BY BOUND TREE	$0.01	No bid	No bid		$10.63	Dukal	$0.01	No bid	No bid	No bid	No bid	No bid	No bid	Covidien	$2.25
697														DYNAREX	$0.01	Cardinal Health	$0.01	MCKESSON CORPORATION	$0.02		
698	IV / Drug Admin			Tegaderm Dressing	661469MS	CURAPLEX BY BOUND TREE	$0.16	No bid	No bid		$100.00	Dukal	$0.21	No bid	No bid	No bid	No bid	No bid	No bid	Dukal	$26.05
699														MEDSOURCE	$0.28	Medsource	$0.32	MCKESSON CORPORATION	$1.78		
700	IV / Drug Admin			18 ga. Hypodermic Needle	1641-42018	MAMMOTH MEDICAL, INC.	$0.09	No bid	No bid		$15.00	Henry Schein	$0.06	EXEL	$0.08	No bid	No bid	No bid	No bid	Exel	$0.08
701																Exel International	$0.08	MCKESSON CORPORATION	$0.05		
702	IV / Drug Admin			20 ga. Hypodermic Needle	11317	MAMMOTH MEDICAL, INC.	$0.09	No bid	No bid		$31.25	Henry Schein	$0.06	EXEL	$0.08	No bid	No bid	No bid	No bid	Exel	$0.08
703														DYNAREX	$0.05	Exel International	$0.08	MCKESSON CORPORATION	$0.05		
704	IV / Drug Admin			23 ga. Hypodermic Needle	620408	MAMMOTH MEDICAL, INC.	$0.08	No bid	No bid		$32.50	Henry Schein	$0.05	EXEL	$0.08	No bid	No bid	No bid	No bid	Exel	$0.08
705														DYNAREX	$0.05	Exel International	$0.08	MCKESSON CORPORATION	$0.05		
706	IV / Drug Admin			25 ga. Hypodermic Needle	30-26406BX	MAMMOTH MEDICAL, INC.	$0.08	No bid	No bid		$33.75	Henry Schein	$0.05	EXEL	$0.08	No bid	No bid	No bid	No bid	Exel	$0.08
707														DYNAREX	$0.05	Exel International	$0.08	MCKESSON CORPORATION	$0.05		
708	IV / Drug Admin			27 ga. Hypodermic Needle	11309	MAMMOTH MEDICAL, INC.	$0.11	No bid	No bid		$31.25	Henry Schein	$0.06	EXEL	$0.08	No bid	No bid	No bid	No bid	Exel	$0.08
709														DYNAREX	$0.05	Exel International	$0.18	MCKESSON CORPORATION	$0.05		
710	IV / Drug Admin			1 cc Syringe	620048	MAMMOTH MEDICAL, INC.	$0.17	No bid	No bid		$22.50	Exel	$0.22	EXEL	$0.25	No bid	No bid	No bid	No bid	Covidien	$0.24
711														DYNAREX	$0.09	Exel International	$0.15	MCKESSON CORPORATION	$0.20		
712	IV / Drug Admin			3 cc syringe	1633-30303	B. BRAUN MEDICAL INC.	$0.07	No bid	No bid		$18.75	B Braun	$0.07	EXEL	$0.13	No bid	No bid	No bid	No bid	Exel	$0.13
713														DYNAREX	$0.10	Exel International	$0.15	MCKESSON CORPORATION	$0.07		
714	IV / Drug Admin			5 cc syringe	1633-05305	B. BRAUN MEDICAL INC.	$0.10	No bid	No bid		$23.75	B Braun	$0.09	EXEL	$0.19	No bid	No bid	No bid	No bid	Exel	$0.18
715														DYNAREX	$0.11	Dynarex	$0.15	MCKESSON CORPORATION	$0.11		
716	IV / Drug Admin			10 cc Syringe	1633-10010	B. BRAUN MEDICAL INC.	$0.12	No bid	No bid		$25.00	B Braun	$0.11	EXEL	$0.18	No bid	No bid	No bid	No bid	Exel	$0.23
717														DYNAREX	$0.16	Exel International	$0.27	MCKESSON CORPORATION	$0.11		
718	IV / Drug Admin			20 cc Syringe	1633-20720	B. BRAUN MEDICAL INC.	$0.29	No bid	No bid		$57.50	Dynarex	$0.27	EXEL	$0.25	No bid	No bid	No bid	No bid	Exel	$0.40
719														DYNAREX	$0.29	Dynarex	$0.35	MCKESSON CORPORATION	$0.30		
720	IV / Drug Admin			30 cc Syringe	1633-30430	B. BRAUN MEDICAL INC.	$0.46	No bid	No bid		$60.00	Dynarex	$0.38	EXEL	$0.42	No bid	No bid	No bid	No bid	Exel	$0.69
721														DYNAREX	$0.42	Dynarex	$0.50	BECTON DICKINSON	$0.50		
722	IV / Drug Admin			25G Butterfly Needle	30-27708BX	MAMMOTH MEDICAL, INC.	$0.54	No bid	No bid	No bid	No bid	Exel	$0.97	EXEL	$0.30	No bid	No bid	No bid	No bid	Becton Dickinson	$1.96
723										McKesson	$62.50					Exel International	$0.55	MCKESSON CORPORATION	$0.66		
724	IV / Drug Admin			23G Butterfly Needle	30-27706BX	MAMMOTH MEDICAL, INC.	$0.76	No bid	No bid		$125.00	Exel	..97	EXEL	$0.50	No bid	No bid	No bid	No bid	Becton Dickinson	$1.96
725																Exel International	$0.55	MCKESSON CORPORATION	$0.66		
726	IV / Drug Admin			1" Clear Tape	1110-08402	DYNAREX CORPORATION	$0.60	No bid	No bid		$22.50	Dukal	$0.63	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$7.99
727														COVIDIEN	$1.06	Dukal	$0.75	MCKESSON CORPORATION	$0.73		
728	IV / Drug Admin			2" Cloth Tape	1110-14008	CURAPLEX BY BOUND TREE	$1.67	No bid	No bid		$31.25	Dynarex	$1.61	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$9.14
729														DYNAREX	$1.67	Dukal	$2.15	MCKESSON CORPORATION	$2.60		
730	IV / Drug Admin			Tourniquet	1841-14000	CURAPLEX BY BOUND TREE	$0.08	No bid	No bid		$18.75	MedSource	$0.07	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$0.12
731														MEDSOURCE	$0.12	MS Medical Products	$0.19	BOUND TREE MEDICAL LLC	$30.29		
732	Monitoring			Pediatric Pulse Oximeter	2712-51418	MASIMO	$15.24	No bid	No bid		$40.00	Veridian	$19.70	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$36.50
733														DRIVE MEDICAL	$41.11	Masimo Corporation	$16.00	MCKESSON CORPORATION	$350.79		
734	Monitoring			Acetone Wipes	279-1501BX	DYNAREX CORPORATION	$0.06	No bid	No bid		$18.75	Dukal	$0.04	No bid	No bid	No bid	No bid	No bid	No bid	Dukal	$2.52
735														DUKAL	$0.04	Dukal	$0.04	MCKESSON CORPORATION	$0.04		
736	Monitoring			EKG Paper 108mm	2745-10108	CURAPLEX BY BOUND TREE	$2.49	No bid	No bid		$13.75	Leonhard Lang	$2.69	No bid	No bid	No bid	No bid	No bid	No bid	Leonhard Lang	$2.70
737														LEONARD LANG	$2.88	Leonhard Lang USA	$2.40	PRECISION CHARTS, INC.	$0.09		
738	Monitoring			PAPER EKG 100MM LP11, LP12, LP15, LP35 2RL/BX LifePak	11240-000032	STRYKER	$13.10	No bid	No bid		$55.00	Physio	$16.05	No bid	No bid	Optimal	$14.50	No bid	No bid	No bid	No bid
739														MEDTRONIC	$14.69			MCKESSON CORPORATION	$0.02	Cardinal Health	$2.70
740	Monitoring			ZOLL X-Series Paper, 80mm, Red Grid, 6/bx	8000-000876-01	CURAPLEX BY BOUND TREE	$2.49	No bid	No bid		$15.00	Leonhard Lang	$3.42	No bid	No bid	ZOLL	$7.00	ZOLL MEDICAL CORP.	$5.57	Zoll	$40.59
741														LEONARD LANG	$3.38						

742	Monitoring			Select Defib Pads, Physio Adult/Child Combo, Leads Out Direct Connect	6600208H	CURAPLEX BY BOUND TREE	$20.73	No bid	No bid		$77.50	Graphics Controls	$29.59	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
743														MEDTRONIC	$89.63	Nissha Medical	$19.50	EDANUSA & MDPRO	$203.58	Vermed	$20.79
744	Monitoring			Select Multi-Function Defib Pads, Physio-Control Pediatric/Infant	6600201H	CURAPLEX BY BOUND TREE	$21.79	No bid	No bid		$68.75	Henry Schein	$20.45	No bid	No bid	No bid	No bid	No bid	No bid		
745														CARDINAL	$13.30	Nissha Medical	$16.75	ZOLL MEDICAL CORP	$199.53	Vermed	$19.38
746	Monitoring			Select Multi-Function Defib Pads, Physio-Control Adult/Child	6600205H	CURAPLEX BY BOUND TREE	$19.95	No bid	No bid		$70.00	Henry Schein	$20.45	No bid	No bid	No bid	No bid	No bid	No bid		
747														COVIDIEN	$10.29	Nissha Medical	$18.00	DBA NISSHA MEDICAL TECH	$27.49	Vermed	$19.99
748	Monitoring			Select Defib Pads, Zoll Adult/Child Combo, Leads Out Direct Connect	6600209H	CURAPLEX BY BOUND TREE	$23.72	No bid	No bid	No bid	No bid	Graphics Controls	$29.88	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
749										ZOLL MEDICAL CORPORATION	$762.50			CONMED	$12.50	Nissha Medical	$20.40	ZOLL MEDICAL CORP	$199.53		
750	Monitoring			Select Multi-Function Defib Pads, Zoll Pediatric/Infant	6600202H	CURAPLEX BY BOUND TREE	$21.47	No bid	No bid	No bid	$0.00	Henry Schein	$20.45	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
751										Zoll Medical	$200.00			CONMED	$13.78	Nissha Medical	$17.10	ZOLL MEDICAL CORP	$47.46	Vermed	$21.50
752	Monitoring			Select Multi-Function Defib Pads, Zoll Adult/Child	6600206H	CURAPLEX BY BOUND TREE	$20.51	No bid	No bid	No bid	$0.00	Henry Schein	$20.45	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
753										Zoll	$350.00			CONMED	$11.86	Nissha Medical	$18.50	ZOLL MEDICAL CORP	$199.53		
754	Monitoring			Fora GD20 Blood Glucose Meter, Black, Free w/Purchase of Strips *Approved for Multi-patient Use*	GD20FM01-BLK	LINKS MEDICAL PRODUCTS, INC	$8.54	No bid	No bid	No bid	$0.00	Links	No Charge w/purchase of strips	No bid	No bid	FOR A	$5.00	No bid	No bid	Fora	$8.95
755										FORA® G 20	$7.50			FORACARE	$6.67			ABBOTT DIABETES CARE	$18.18		
756	Monitoring			Fora GD20 Test Strips CLIA MODERATE 50/ bottle *Approved for Multipatient Use* (one bottle per box)	GD20FS50	LINKS MEDICAL PRODUCTS, INC	$0.18	No bid	No bid	No bid	$0.00	Links	$0.18	No bid	No bid	Links Medical	$0.02	No bid	No bid	Fora	$10.70
757														FORACARE	$0.13			LINKS MEDICAL PRODUCTS INC	$0.19		
758	Monitoring			SOLUTION CONTROL BLOOD GLUCOSEHI/LO FORA GD20 2/BX	GD20FCS01	LINKS MEDICAL PRODUCTS, INC	$4.50	No bid	No bid		$15.00	Links	$4.70	No bid	No bid	Links Medical	$10.00	LINKS MEDICAL PRODUCTS INC	$7.88	Fora	$9.33
759														FORACARE	$2.67						
760	Monitoring			*SEE NOTES* Blood Glucose Meter, Assure Prism Multi*Approved for Multipatient Use*	530001	ARKRAY USA, INC.	$6.10	No bid	No bid		$13.75	Arkray	No Charge w/purchase of strips	ARKRAY	$5.00	Arkray USA	$9.00	ARKRAY USA INC	$6.06	Arkray	$6.95
761												Henry Schein	No Charge w/purchase of strips								
762	Monitoring			Blood Glucose Test Strips, Assure Prism Multi CLIA WAIVED 50/bt 1bt/box *Approved for Multi pt Use*	530050	ARKRAY USA, INC.	$0.20	No bid	No bid		$18.75	Arkray	$0.17	ARKRAY	$0.23	Arkray USA	$15.00	ARKRAY USA INC	$0.19	Arkray	$9.62
763												Henry Schein	$0.17								
764	Monitoring			Control Solution, Assure Prism Multi, L1 and L2, 1 bottle of EA/BX	530006	ARKRAY USA, INC.	$10.00	No bid	No bid		$19.38	Arkray	$7.78	ARKRAY	$10.67	Arkray USA	$12.00	ARKRAY USA INC	$9.69	Arkray	$10.46
765												Henry Schein	$1.76								
766	Monitoring			Assure Prism Orange Kit BASIC, incl Meter, Orange Case, 2 Bt Test Strips	670161-KIT	CURAPLEX BY BOUND TREE	$24.00	No bid	No bid		$70.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	Arkray	$9.95
767																Arkray USA	$9.00	BOUND TREE MEDICAL LLC	$16.95		
768	Monitoring			Electrodes, BlueSensor SP, Medium Size, Pediatric/Adult, Foam	SP-00-S/50	AMBU INC.	$0.24	No bid	No bid		$25.00	Ambu	$0.21	AMBU	$0.23	Ambu	$0.24	AMBU INC	No bid	Ambu	$13.36
769																					
770	Monitoring			Electrodes, BlueSensor SP, Medium Size, Pediatric/Adult	R-00-S-25	AMBU INC.	$0.30	No bid	No bid		$25.00	Ambu	$0.26	AMBU	$0.31	Ambu	$0.34	AMBU INC	$0.44	Ambu	$9.42
771																					
772	Monitoring			Electrodes, BlueSensor R, Adult, Foam	SP-00-S/10	AMBU INC.	$0.26	No bid	No bid		$8.75	Ambu	$0.21	AMBU	$0.24	Ambu	$0.28	AMBU INC	$0.33	Ambu	$3.99
773																					
774	Monitoring			Electrodes, BlueSensor R, Adult, Foam	R-00-S/10	AMBU INC.	$0.30	No bid	No bid		$8.75	Ambu	$0.26	AMBU	$0.31	Ambu	$0.33	AMBU INC	$0.43	Ambu	$3.25
775																					
776	Monitoring			Foam Electrode, Wet Gel 50mm x 48mm	2741-50487	CURAPLEX BY BOUND TREE	$0.09	No bid	No bid		$15.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
777														LEONARD LANG	$0.17	Ambu	$0.28	S & W HEALTHCARE CORPORATION	$0.27		
778	Monitoring			Foam Electrode, Wet Gel 50mm x 48mm	2741-50486	CURAPLEX BY BOUND TREE	$0.13	No bid	No bid		$2.50	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
779														LEONARD LANG	$0.17	Ambu	$0.28	S & W HEALTHCARE CORPORATION	$0.27		
780	Monitoring			Foam Electrode, wet gel 50mm x 48mm	2741-50485	CURAPLEX BY BOUND TREE	$0.11	No bid	No bid		$2.69	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
781																Ambu	$0.01	S & W HEALTHCARE CORPORATION	$0.27		
782	Monitoring			Foam Electrode, Wet Gel 50mm x 48mm	2741-50484	CURAPLEX BY BOUND TREE	$0.14	No bid	No bid		$1.88	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
783																Ambu	$0.47	S & W HEALTHCARE CORPORATION	$0.27		
784	Monitoring			ELECTRODES, MEDI-TRACE SERIES 530, ADULT	31013926	MAMMOTH MEDICAL, INC.	$0.16	No bid	No bid		$13.75	Cardinal	$0.24	COVIDIEN	$0.17	Cardinal Health	$0.21	CARDINAL HEALTHCARE	$0.20	Kendal	$0.79
785																					
786	Monitoring			ECG electrode, Medi-Trace 230, adult, foam, teardrop shape, cond. adhesive hydrogel	31078135	MAMMOTH MEDICAL, INC.	$0.21	No bid	No bid		$13.75	Cardinal	$0.21	COVIDIEN	$0.20	Cardinal Health	$5.50	CARDINAL HEALTHCARE	$0.19	No bid	No bid
787																					
788	Monitoring			DEFIB/PACING/ECG PADS PEDI W/ QUIK-COMBO CONNECTOR FOR LP15, LP12, LP10, LP5	11996-000093	STRYKER	$40.83	No bid	No bid		$75.00	Physio	$48.46	No bid	No bid	Stryker	$48.00	GOLDEN MAX LLC DBA OPTIMAL	$43.93	Physio Control	$116.74
789														CONMED	$13.78						
790	Monitoring			DEFIB/PACING/ ECG PADS ADULT W/QUIK-COMBO CONNECTOR 2FT LEAD, LP12, LP15	11996-000091	STRYKER	$32.79	No bid	No bid		$61.25	Physio	$39.27	No bid	No bid	Stryker	$33.95	No bid	No bid	Physio Control	$43.67
791														CONMED	$11.86			GOLDEN MAX LLC DBA OPTIMAL	$35.39		
792	Monitoring			Defib/Pacing/ECG Pads, EDGE RTS, w/QUIK-COMBO Connector, Radiotransparent, Lifepak 12, 15, 20, 1/pr	11996-000090	STRYKER	$40.83	No bid	No bid		$75.00	Physio	$48.92	No bid	No bid	Physio-Control	$43.50	GOLDEN MAX LLC DBA OPTIMAL	$43.93	Physio Control	$55.36
793														CARDINAL	$10.29						
794	Monitoring			Zoll CPR Stat Padz, HVP Multi-Function CPR Electrodes, for Zoll M, E, X, R Series, AED Plus/Pro 1/PR	8900-0400	ZOLL MEDICAL CORPORATION	$88.21	No bid	No bid	No bid	No bid	Zoll	$89.22	ZOLL	$48.69	Zoll Medical	$80.00	ZOLL MEDICAL CORP	$86.30	Zoll	$99.79
795																					
796	Monitoring			STAT PADZ II PEDIATRIC FOR ZOLL AED PLUS, AED PRO, M Series, R Series and E Series	8900-0810-01	ZOLL MEDICAL CORPORATION	$141.32	No bid	No bid		$200.00	Zoll	$122.59	ZOLL	$63.65	Zoll Medical	$105.00	No bid	No bid	Zoll	$136.00
797																		ZOLL MEDICAL CORP	$57.01		
798	Monitoring			STAT PADZ II ADULT FOR ZOLL AED PLUS X Series, AED PRO, M Series, R Series and E Series	8900-0802-01	ZOLL MEDICAL CORPORATION	$47.66	No bid	No bid		$78.75	Zoll	$50.99	ZOLL	$26.29	Zoll Medical	$22.00	No bid	No bid	Zoll	$58.95
799																		ZOLL MEDICAL CORP	$47.42		
800	Monitoring			Zoll Stat Padz, Multi-Function Defibrillation Pads, works with Zoll M Series and Zoll X	8900-4003	ZOLL MEDICAL CORPORATION	$47.96	No bid	No bid		$80.00	Zoll	$51.88	ZOLL	$26.47	ZOLL	$50.00	No bid	No bid	Zoll	$56.66
801																		ZOLL MEDICAL CORP	$47.79		
802	Monitoring			Microstream Advance, Adlt, Oral/Nasal, Non-Intubated, w/ Female O2 Connector, Short Term Use, 6.5ft	MVAO100U	CURAPLEX BY BOUND TREE	$6.49	No bid	No bid		$26.25	MedSource	$5.05	MEDSOURCE	$6.95	Medtronic	$8.20	MEDTRONIC MITG	$15.03	Oridion	$8.54
803																					
804	Monitoring			Microstream Advance, Ped, Oral/Nasal, Non-Intubated, w/ No O2 Delivery, Short Term Use, 6.5ft	MVP	CURAPLEX BY BOUND TREE	$6.76	No bid	No bid	No bid	No bid	MedSource	$5.15	No bid	No bid	Medtronic	$8.75	MEDTRONIC MITG	$12.26	Oridion	$10.14
805																					
806	Monitoring			Microstream Advance, Inf & Neo, Nasal Cannula, Non-Intubated w/o O2 Delivery, Short Term Use, 6.5ft	MVIN	MEDTRONIC (COVIDIEN)	$9.95	No bid	No bid	No bid	No bid	Medtronic	$11.44	No bid	No bid	Medtronic	$9.70	MEDTRONIC MITG	$13.86	Oridion	$8.55
807																					
808	Monitoring			Microstream Advance, Adlt & Ped, Intubated Filter Line, Short Term Use, 6.5ft	MVAI100U	CURAPLEX BY BOUND TREE	$6.34	No bid	No bid		$18.75	MedSource	$5.10	No bid	No bid	Medtronic	$7.00	MEDTRONIC MITG	$9.51	Oridion	$9.50
809														MEDSOURCE	$6.99						
810	Monitoring			CO2 Detector, Ambu, Adult, 12ea/cs	000172712	AMBU INC.	$9.24	No bid	No bid	No bid	No bid	Ambu	$9.08	AMBU	$10.11	Ambu	$9.25	AMBU INC	$9.96	Ambu	$9.20
811																					
812	Monitoring			CO2 Detector, Ambu, Pediatric 12/cs	000172713	AMBU INC.	$9.24	No bid	No bid	No bid	No bid	Ambu	$9.08	No bid	No bid	No bid	No bid	AMBU INC	$9.96	Ambu	$9.20
813														NELLCOR	$10.60	Medtronic	$10.00				
814	OB			OB Kit	4440010-B	CURAPLEX BY BOUND TREE	$9.85	No bid	No bid		$32.50	Motion	$7.29	No bid	No bid	No bid	No bid	No bid	No bid	Dynarex	$6.50
815														DYNAREX	$8.80	Dick Medical Supply	$12.00	HOPKINS MEDICAL/MARKETLAB	$14.93		
816	PT Handling			MegaMover Transport Unit, 40 in x 80 in, Non-woven/Poly, White/Black, 14 Handles	51926	CURAPLEX BY BOUND TREE	$14.99	No bid	No bid		$39.38	Graham	$14.44	GRAHAM FIELD	$21.28	Graham Medical	$18.00	GRAHAM MEDICAL PRODUCTS	$19.70	Graham Medical	$18.89

817												Taylor Healthcare	$11.00	MEDSOURCE	$17.33					
818	PT Handling			MegaMover Transport Chair, 35 in x 35 in, Nonwoven/Poly, White/Yellow	56307	CURAPLEX BY BOUND TREE	$11.25	No bid	No bid	No bid	No bid	Graham	$13.90	GRAHAM FIELD	$22.28	Graham Medical	$15.00	No bid	No bid	Graham Medical	$15.86
819										MegaMover/ GRAHAM MEDICAL PRODUCTS	$23.13	Taylor Healthcare	$7.22	MEDSOURCE	$11.60			GRAHAM MEDICAL PRODUCTS	$15.45		
820	PT Handling			Extrication Collar, Ambu Mini Perfit ACE, Pediatric, Adjustable 12 Settings	000281106	AMBU INC.	$4.50	No bid	No bid		$17.50	Ambu	$2.99	AMBU	$3.67	Ambu	$5.25	AMBU INC	$7.88	Ambu	$5.83
821																					
822	PT Handling			Extrication Collar, Ambu Perfit ACE, Adult, Adjustable 16 Settings	000281000	AMBU INC.	$4.50	No bid	No bid	No bid	No bid	Ambu	$2.99	AMBU	$3.67	Ambu	$5.25	No bid	No bid	Ambu	$5.83
823																		AMBU INC	$7.88		
824	PT Handling			Extrication Collar, Mini, Single-use, Adjustable, 6 Settings	472004000	CURAPLEX BY BOUND TREE	$4.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
825										Curaplex	$16.25					Laerdal Medical	$5.25	BOUND TREE MEDICAL LLC	$6.87		
826	PT Handling			Extrication Collar, Adult, Single-use, Adjustable, 8 Settings	472003000	CURAPLEX BY BOUND TREE	$4.00	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid	No bid
827										Curaplex	$16.25					Laerdal Medical	$5.25	MCKESSON CORPORATION	$5.52		
828	PT Handling			Cot Sheet, Fitted, Taylor G-Force, Blue, 36 in x 90 in, Fluid Resistant	90-GFRC3690	CURAPLEX BY BOUND TREE	$2.50	No bid	No bid	No bid	No bid	Taylor Healthcare	$1.81	TAYLOR	$3.12	Taylor Healthcare	$3.00	TAYLOR HEALTHCARE PRODUCTS INC	$3.36	Taylor Health	$82.72
829										G-Force	$6.67										
830	PT Handling			Cot Sheet, Fitted, 30 in x 84 in, Resistant, Blue	90-BSS3084	CURAPLEX BY BOUND TREE	$1.30	No bid	No bid	No bid	No bid	Taylor Healthcare	$1.28	TAYLOR	$1.69	Taylor Healthcare	$1.70	TAYLOR HEALTHCARE PRODUCTS INC	$1.85	Taylor Health	$83.04
831																					
832	PT Handling			Mattress Cover, SnugFit, Expandable, Blue, Nonwoven	72930	CURAPLEX BY BOUND TREE	$1.30	No bid	No bid	No bid	No bid	Graham	$2.54	GRAHAM FIELD	$4.07	Graham Medical	$3.00	GRAHAM MEDICAL PRODUCTS	$2.82	Taylor Health	$296.20
833												Taylor Healthcare	$1.44								
834	PT Handling			EMS STANDARD SHEET SNUGFIT 30 IN X 84 IN	44547	CURAPLEX BY BOUND TREE	$1.20	No bid	No bid		$3.75	Graham	$1.30	GRAHAM FIELD	$2.09	Graham Medical	$1.30	No bid	No bid	Taylor Health	$151.09
835												Taylor Healthcare	$1.00					GRAHAM MEDICAL PRODUCTS	$1.45		
836	PT Handling			Flat Sheet, 40 in x 90 in, Tissue/Poly, White/Blue	52166	CURAPLEX BY BOUND TREE	$0.73	No bid	No bid	No bid	No bid	Graham	$0.65	GRAHAM FIELD	$0.76	Graham Medical	$0.80	No bid	No bid	Integrity Med	$89.25
837										Graham Medical®	$1.88							GRAHAM MEDICAL PRODUCTS	$0.62		
838	PT Handling			SPACE RESCUE BLANKET MYLAR FOIL 84 X 52	3537	CURAPLEX BY BOUND TREE	0.49	No bid	No bid		$2.00	Dukal	$0.57	No bid	No bid	No bid	No bid	No bid	No bid	Dukal	$0.65
839														DUKAL	$0.78	Dukal	$0.75	DUKAL CORP.	$0.76		
840	Airway			i-gel Plus O2 Resus Pack, MED Adult, incl size 3 i-gel O2, for Pts 30-60kg		No bid	No bid	No bid	No bid	Intersurgical Inc	$62.50			INTERSURGICAL	$33.33	Intersurgical	$30.00	No bid	No bid	Intersurgical	$31.20
841												Intersurgical	$31.00								

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

10. REQUEST TO WAIVE THE SEALED BID PROCESS AND AUTHORIZE THE PURCHASE OF SEVEN (7) MARKED AND FIVE (5) UNMARKED POLICE VEHICLES UTILIZING THE STATE OF MICHIGAN COOPERATIVE BID PRICING: as part of the annual vehicle replacement program, from budgeted funds.

    William Tyree, Police Captain, requested waiver of the sealed bid process as it is part of the annual vehicle replacement program and from budgeted funds.

    Motion was made by Councilmember McDonnell to put the matter on the Consent portion of the next Regular Agenda.

    DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

10.

Police
May 5, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Thomas Goralski, Police Chief

AGENDA ITEM

REQUEST TO WAIVE THE SEALED BID PROCESS AND AUTHORIZE THE PURCHASE OF SEVEN (7) MARKED AND FIVE (5) UNMARKED POLICE VEHICLES UTILIZING THE STATE OF MICHIGAN COOPERATIVE BID PRICING: as part of the annual vehicle replacement program, from budgeted funds.

BACKGROUND DETAILS

The proposed purchase is for the replacement of marked and unmarked police vehicles as part of our annual vehicle replacement program.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

The Livonia Division of Police is requesting authorization to purchase seven (7) marked and five (5) unmarked vehicles. This proposed purchase is for the replacement of vehicles and will utilize $581,124.50 from budgeted funds in accounts #101-325-985-000 and 101-329-985-000. The vehicles will be utilized by officers assigned to both uniform and non-uniform assignments.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

DETAILED WORK BEING PERFORMED

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

Pursuant to Finance Ordinance 3.04.140 E.4, we are requesting a waiver of the sealed bid process, based on the police department's association with the State of Michigan cooperative purchasing consortium. Upon receipt of various bids and specifications from vetted participating vendors, the Livonia Division of Police requests to purchase the following vehicles for the replacement of marked

and unmarked vehicles, and will utilize $581,124.50 from budgeted funds in accounts #101-325-985-000 ($339,888.00) and 101-329-985-000 ($241,236.50):

Total purchase price from account #101-325-985-000 ($339,888.00):

(3) 2026 Dodge Durango Police AWD @ $44,990.00 ($134,970.00 total) from:
LaFontaine CDJR - Lansing
6131 S. Pennsylvania Avenue
Lansing, MI 48911
(517) 394-1022

(3) 2026 Police Interceptor Utility @ $49,315.00 ($147,945.00 total) from:
Lunghamer Ford of Owosso LLC
1960 E. Main Street
Owosso, MI 48867
(989) 214-3513

(1) 2026 Chevrolet Tahoe Police Pursuit Vehicle Utility @ $56,973.00 ($56,973.00 total) from:
Todd Wenzel Chevrolet
3156 Highland Drive, PO Box 310
Hudsonville, MI 49426
(734) 713-1065

Total purchase price from account # 101-329-985-000 ($241,236.50):

(1) 2026 Dodge Durango GT AWD @ $45,504.00 from:
LaFontaine CDJR - Lansing
6131 S. Pennsylvania Avenue
Lansing, MI 48911
(517) 394-1022

(1) 2026 Dodge Charger RT AWD @ $54,024.00 from:
LaFontaine CDJR - Lansing
6131 S. Pennsylvania Avenue
Lansing, MI 48911
(517) 394-1022

(2) 2026 Chevrolet Traverse AWD LT Utility @ $42,971.00 ($85,942.00 total) from:
Todd Wenzel Chevrolet
3156 Highland Drive, PO Box 310
Hudsonville, MI 49426
(734) 713-1065

(1) 2026 Chevrolet Silverado 1500 Crew LT @ $55,766.50 ($55,766.50 total) from:
Todd Wenzel Chevrolet
3156 Highland Drive, PO Box 310
Hudsonville, MI 49426
(734) 713-1065

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Pursuant to Finance Ordinance 3.04.140 E.4, we are requesting a waiver of the sealed bid process, based on the police department's association with the State of Michigan cooperative purchasing consortium. We will utilize bid pricing under MiDeal Contracts #071B7700178, MA240000001205, MA240000001206, MA240000001208.

ATTACHMENTS

1. S051826 LTC Marked and unmarked PD vehicles
2. Lafontaine Quote -Patrol 2026 Dodge Durango
3. Lafontaine Quote - Unmarked 2026 Dodge Durango
4. Lafontaine Quote - Unmarked 2026 Dodge Charger
5. Todd Wenzel Quote - Patrol 2026 Chevy Tahoe
6. Todd Wenzel Quote - Unmarked 2026 Chevy Silverado
7. Todd Wenzel Quote - unmarked 2026 Chevy Traverse
8. Lunghamer Ford Quote - patrol 2026 Police Interceptor

APPROVED BY



Thomas Goralski, Police Chief — Date: May 06, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: May 08, 2026



Eric Goldstein, City Attorney — Date: May 08, 2026



Maureen Miller Brosnan, Mayor — Date: May 08, 2026

Livonia Police Department

Departmental Correspondence

Date: February 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Hoskin Adminstration

Subject: ☒ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): LaFontaine CDJR - Lansing
6131 S. Pennsylvania Ave
Lansing, MI. 48911
Michelle Deacon 517-394-1022

Approvals: Name/ Title: Capt. Marcotte Name/ Title:

Administrative Approval (Capt. Tyree): Capt W Tyree

Account Number (LEAVE BLANK): 101.325.985.022

Sole Source? ☐ N/A ☐ Yes ☒ No

Council Resolution # (over $20,000):

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Dodge Durango pursuit AWD, Code: WDEE75	39761.00	3	$119,283.00
5.7L V8 engine, Code: 22Z	3119.00	3	9357.00
DB Blank, Code: PXJ	0.00	3	0.00
Black Cloth Bucket Seats w/Rear Vinyl, Code: A7X9	160.00	3	480.00
Black Left LED Spot Light, Code: LNF	660.00	3	1980.00
Black Right LED Spot Lamp, Code: LNA	660.00	3	1980.00
Deactivate Rear Door/Windows, Code: CW6	90.00	3	270.00
Entire Fleet Alike Key (Freq 1), Code GXF	540.00	3	1620.00
			0.00
Subtotal			$134,970.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$134,970.00

Three quotes attached if over $3,000 ☐ Yes ☐ No ☐ N/A If no, why?

Other information / instructions: State of Michigan MiDeal Contract: 240000001206

Submitted by (signature):

☒ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$134,970.00
			0.00
			0.00
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			0.00
			0.00
			0.00
Subtotal			$134,970.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$134,970.00

Please contact Computers at x2020 if you have any trouble with this form.

LaFontaine CDJR-Lansing
6131 S. Pennsylvania Ave.
Lansing, MI 48911
517-394-1022-Direct
517-394-1205-Fax
mdeacon@lafontaine.com

Name: City of Livonia
Address:
City: State: Zip:
Contact: Rollie Hoskin
Phone: 734.466.2311
Email: rollie.hoskin@livonia

Date: 2/10/2026
Quote 021026

State of Michigan Contract 240000001206		
WDEE75	2026 Dodge Durango Pursuit AWD	$39,761.00
22Z	5.7L V8	$3,119.00
PXJ	DB Black	
A7X9	Black Cloth Bucket Seats w/Rear Vinyl	$160.00
LNF	Black Left LED Spot Lamp	$660.00
LNA	Black Right LED Spot Lamp	$660.00
CW6	Deactivate Rear Doors/Windows	$90.00
GXF	Entire Fleet Alike Key (FREQ 1)	$540.00
	Per contract delivery is $2.00 a mile one way mileage.	
	By signing the purchase agreement you agree to purchase of the vehicle or	
	vehicles X_____	
	Total Cost:	$44,990.00

Signed *Michelle Deacon*

Please note payment is due within 30 days of delivery. Any invoices paid after 30 days may be subject to a 1.5% late fee

Livonia Police Department

Departmental Correspondence

Date: March 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Lt. Robert Painter / Intelligence Bureau

Subject: ☒ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): LaFontaine CDJR - Lansing
6131 S. Pennsylvania Ave.
Lansing, MI 48911
Attention Michelle Deacon

Approvals: Name/ Title _____ Name/ Title _____

Administrative Approval (Capt. Tyree): Capt W Tyree

Account Number (LEAVE BLANK): 101.329.985.000

Sole Source? ☐ N/A ☐ Yes ☒ No

Council Resolution # (over $20,000): _____

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Dodge Durango GT AWD	43313.00	1	$43,313.00
5.7L V8 Hemi	0.00	1	0.00
DB Black Clear Coat	395.00	1	395.00
Black Cloth Bucket Seats	0.00	1	0.00
Blacktop Package	1796.00	1	1796.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$45,504.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$45,504.00

Three quotes attached if over $3,000 ☐ Yes ☑ No ☐ N/A If no, why?

State of Michigan Contract 240000001206

Other information / instructions: _____

Submitted by (signature): Lt Robert Painter

☐ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$45,504.00
			0.00
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			0.00
			0.00
			0.00
Subtotal			$45,504.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$45,504.00

Please contact Computers at x2020 if you have any trouble with this form.

LaFontaine CDJR-Lansing
6131 S. Pennsylvania Ave.
Lansing, MI 48911
517-394-1022-Direct
517-394-1205-Fax
mdeacon@lafontaine.com

Name: City of Livonia
Address:
City: State: Zip:
Contact: Rollie Hoskin
Phone: 734.466.2311
Email: rollie.hoskin@livonia

Date: 3/26/2026
Quote 032626

State of Michigan Contract 240000001206		
WDEH75	2026 Durango GT AWD	$43,313.00
22S	5.7L V8 Hemi	
PXJ	DB Black Clear Coat	$395.00
C5X9	Black Cloth Bucket Seats	
ADX	Blacktop Package	$1,796.00
	Per contract delivery is $2.00 a mile one way mileage.	
	By signing the purchase agreement you agree to purchase of the vehicle or	
	vehicles X_____	
	Total Cost:	$45,504.00

Signed *Michelle Deacon*

Please note payment is due within 30 days of delivery. Any invoices paid after 30 days may be subject to a 1.5% late fee

Livonia Police Department

Departmental Correspondence

Date: March 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Lt. Robert Painter / Intelligence Bureau

Subject: ☒ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): LaFontaine CDJR-Lansing
6131 S. Pennsylvania Ave
Lansing, MI 48911
Attention: Michelle Deacon

Approvals: Name/ Title _____ Name/ Title _____

Administrative Approval (Capt. Tyree): Cpt W Tyree

Account Number (LEAVE BLANK): 101-329-985-000

Sole Source? ☐ N/A ☐ Yes ☒ No

Council Resolution # (over $20,000): _____

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Dodge Charger RT 4dr AWD	52858.00	1	$52,858.00
3.0L Twin Turbo Six Pack	0.00	1	0.00
Diamond Black Crystal	0.00	1	0.00
Black Cloth Sport Seats	0.00	1	0.00
Blacktop Package	1166.00	1	1166.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$54,024.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$54,024.00

Three quotes attached if over $3,000 ☐ Yes ☑ No ☐ N/A If no, why?

State of MichiganMiDeal Contract #MA240000001206

Other information / instructions: _____

Submitted by (signature): Lt Robert Painter

☐ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$54,024.00
			0.00
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			0.00
			0.00
Subtotal			$54,024.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$54,024.00

Please contact Computers at x2020 if you have any trouble with this form.

LaFontaine CDJR-Lansing
6131 S. Pennsylvania Ave.
Lansing, MI 48911
517-394-1022-Direct
517-394-1205-Fax
mdeacon@lafontaine.com

Name: City of Livonia
Address:
City: State: Zip:
Contact: Rollie Hoskin
Phone: 734.466.2311
Email: rollie.hoskin@livonia

Date: 2/10/2026
Quote 021026

State of Michigan Contract 240000001206		
LBEL49	2026 Dodge Charger R/T 4 DR AWD	$52,858.00
21L	3.0L Twin Turbo Sixpack	
PXJ	Diamond Black Crystal	
MFX7	Black Cloth Sport Seats	
AA3	Blacktop Package	$1,166.00
	Per contract delivery is $2.00 a mile one way mileage.	
	By signing the purchase agreement you agree to purchase of the vehicle or	
	vehicles X_____	
	Total Cost:	$54,024.00

Signed *Michelle Deacon*

Please note payment is due within 30 days of delivery. Any invoices paid after 30 days may be subject to a 1.5% late fee

Livonia Police Department

Departmental Correspondence

Date: February 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Hoskin Adminstration

Subject: ☒ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): Todd Wenzel Chevrolet
3156 Highland Dr. PO. Box: 310
Hudsonville, MI. 49426
Albert Li

Approvals: Name/ Title: Capt. Marcotte Name/ Title:

Administrative Approval (Capt. Tyree): Capt WTyree

Account Number (LEAVE BLANK): 101.325.985.000

Sole Source? ☐ N/A ☐ Yes ☒ No

Council Resolution # (over $20,000):

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Chevrolet Tahoe 4wd PPV Utility, Code: CK10706	56973.00	1	$56,973.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$56,973.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$56,973.00

Three quotes attached if over $3,000 ☐ Yes ☑ No ☐ N/A If no, why?

Other information / instructions: State of Michigan Contract Bid: 071B7700178
MiDeal Spec # 1010-2026

Submitted by (signature):

☒ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$56,973.00
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			0.00
Subtotal			$56,973.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$56,973.00

Please contact Computers at x2020 if you have any trouble with this form.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

City of Livonia Police Dept.

Prepared For: Rollie Hoskin

(734) 837-4274

rollie.hoskin@LivoniaPD.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13)

TODD WENZEL CHEVROLET
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426

State of Michigan MiDeal Contract # MA240000001205
MiDeal Spec # 1010-POL

City of Livonia Pricing **(MiDeal Pricing)**

2026 Chevrolet Tahoe 4wd PPV Utility

7400# GVWR **5.3L V8 Gas / 10-Spd Auto Trans** **4wd 9C1 Pkg**

SPEC 1010 - 2026 Chevrolet Tahoe 4wd PPV Utility **$ 56,973.00**

Prices Quoted are for a MiDeal GM Dealer Incoming Unit.
FOB Livonia, MI

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✔ Complete)

Price Summary

PRICE SUMMARY

	MSRP
Base Price	$57,500.00
Total Options	$2,624.00
Vehicle Subtotal	$60,124.00
Destination Charge	$2,795.00
Grand Total	**$62,919.00**

This document contains information considered Confidential between GM and its Clients uniquely. The information provided is not intended for public disclosure. Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided.
Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (Complete)

Selected Model and Options

MODEL

CODE	MODEL
CK10706	2026 Chevrolet Tahoe 4WD 4dr Commercial

COLORS

CODE	DESCRIPTION
GBA	Black

OPTIONS

CODE	DESCRIPTION
Z56	Suspension Package, heavy-duty, police-rated.
FE9	Emissions, Federal requirements
L84	Engine, 5.3L EcoTec3 V8
MHU	Transmission, 10-speed automatic
C6G	GVWR, 7600 lbs. (3447 kg)
GU5	Rear axle, 3.23 ratio
1FL	Commercial Preferred Equipment Group
PXT	Wheels, 20" x 9" (50.8 cm x 22.9 cm) steel
XCS	Tires, 275/55R20SL all-season, blackwall, Firestone Firehawk Pursuit
GBA	Black
AZ3	Seats, front 40/20/40 split-bench
H1T	Jet Black, Cloth seat trim
URW	Audio system, 17.7" diagonal advanced color LCD display
9C1	Identifier for Police Package Vehicle
AMF	Remote Keyless Entry Package
V03	Cooling system, extra capacity
K3W	Battery, 900 cold-cranking amps with 95 amp hour rating
K6K	Battery, auxiliary, 760 cold-cranking amps with 70 amp hour rating
KX4	Alternator, 250 amps
V76	Recovery hooks, 2 front, frame-mounted, Black
RC1	Skid plate, front

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Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✓ Complete)

OPTIONS

CODE	DESCRIPTION
J55	Brake system, heavy duty with front Brembo calipers and 16" front rotors
___	Capless Fuel Fill
RNQ	Wheel, full-size spare, matching 20" (50.8 cm) steel wheel without center cap
RAV	Tire, spare 275/55R20 all-season, blackwall, Firestone Firehawk Pursuit
WUA	Fascia, front high-approach angle
V53	Luggage rack side rails, delete
___	Exterior ornamentation delete
ATD	Seat delete, third row passenger
VZ2	Speedometer calibration
___	Instrumentation, analog
AU7	Key common, fleet
BTV	Remote start
K34	Cruise control, electronic with set and resume speed
___	Theft-deterrent system, vehicle, PASS-Key III
UUA	Display, automatic occupant sensing
___	Power supply, 50-amp, power supply, auxiliary battery, passenger compartment wiring harness
___	Power supply, 100-amp, auxiliary battery, rear electrical center
___	Power supply, 120-amp, (4) 30-amp circuit, Primary battery, relay controlled, passenger compartment harness wiring
___	Seat belts, 3-point, all seating positions
___	Active Hill Hold Assist
UD7	Rear Parking Assist
VQ1	Fleet Processing Option
___	Protected idle
6J3	Wiring, grille lamps and siren speakers
6J4	Wiring, horn and siren circuit
UT7	Ground wires, blunt cut cargo area and blunt cut console area
T66	Wiring provision, for outside mirrors and cargo side mirrors
6J7	Flasher system, headlamp and taillamp, DRL compatible with control wire

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Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✔ Complete)

OPTIONS

CODE	DESCRIPTION
5J9	Calibration, taillamp flasher, Red/White
5LO	Calibration, taillamp flasher, Red/Red
6C7	Lighting, red and white front auxiliary dome
T53	Lamps, alternate flashing Red & Blue rear compartment lid warning
7X2	Spotlamps, left- and right-hand
5J3	Calibration, Surveillance Mode interior lighting
BCV	Lock control, driver side auto door lock disable
6N6	Door locks and handles, inside rear doors inoperative
6E2	Fleet Calibration
5T5	Seats, front cloth and second row vinyl
6N5	Switches, rear window inoperative
UN9	Radio Suppression Package, with ground straps
UTQ	Theft-deterrent system
9G8	Headlamps, Daytime Running Lamps and automatic headlamp control delete
VPV	Ship Thru, Produced in Arlington Assembly and shipped to Kerr Industries and onto Arlington Assembly
	Options Total

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Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✔ Complete)

Standard Equipment

Mechanical	
	Engine, 5.3L EcoTec3 V8 with Dynamic Fuel Management, Direct Injection and Variable Valve Timing, includes aluminum block construction (355 hp [265 kW] @ 5600 rpm, 383 lb-ft of torque [518 Nm] @ 4100 rpm) (STD)
	Transmission, 10-speed automatic electronically controlled with overdrive, includes Traction Select System including tow/haul (STD)
	Rear axle, 3.23 ratio
	Suspension, Premium Smooth Ride (STD)
	GVWR, 7600 lbs. (3447 kg) (4WD models only.) (STD)
	Keyless start, push button
	Automatic Stop/Start (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Engine control, stop/start system disable button, non-latching
	Engine air filtration monitor
	Fuel, gasoline, E15
	Transfer case, active, single-speed, electronic Autotrac does not include neutral. Cannot be dinghy towed
	Differential, mechanical limited-slip
	4-wheel drive
	Air filter, heavy-duty
	Cooling, external engine oil cooler, heavy-duty air-to-oil integral to driver side of radiator
	Cooling, auxiliary transmission oil cooler, heavy-duty air-to-oil
	Battery, 730 cold-cranking amps with 80 amp hour rating (Not available with (9C1) Police Package or (5W4) Special Service Package.)
	Alternator, 220 amps (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Trailering equipment includes trailering hitch platform, 7-wire harness with independent fused trailering circuits mated to a 7-way connector and 2" trailering receiver
	Trailer sway control (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Hitch Guidance
	Suspension, front coil-over-shock with stabilizer bar (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Suspension, rear multi-link with coil springs (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Steering, power
	Brakes, 4-wheel antilock, 4-wheel disc with DURALIFE rotors (Not available with (9C1) Police Vehicle.)

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Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

Todd Wenzel Buick-GMC and TW Chevrolet

Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✓ Complete)

Mechanical	
	Exhaust, single system, single-outlet
	Mechanical Jack with tools
Exterior	
	Wheels, 18" x 8.5" (45.7 cm x 21.6 cm) Bright Silver painted aluminum (STD)
	Tires, 265/65R18SL all-season, blackwall (Standard with (RCV) 18" Bright Silver painted aluminum wheels only.) (STD)
	Wheel, full-size spare, 17" (43.2 cm) steel (Not available with (9C1) Police Vehicle.)
	Tire, spare P265/70R17 all-season, blackwall (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Tire carrier, lockable outside spare, winch-type mounted under frame at rear
	Active aero shutters, upper (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Fascia, front (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Luggage rack side rails, roof-mounted, Black, standard (Available with (5W4) Special Services Vehicle.)
	Assist steps, Black
	IntelliBeam, automatic high beam on/off (Deleted when (9C1) Police Vehicle is ordered.)
	Headlamps, LED
	Tail lamps, LED
	Mirrors, outside heated power-adjustable, manual-folding, body-color
	Mirror caps, body-color
	Glass, deep-tinted (all windows, except light-tinted glass on windshield and driver- and front passenger-side glass)
	Glass, acoustic, laminated
	Glass, windshield shade band
	Windshield, solar absorbing
	Wipers, front intermittent, Rainsense
	Wiper, rear intermittent with washer
	Door handles, body-color
	Liftgate, rear manual
Entertainment	
	Audio system, 17.7" diagonal advanced color LCD display with Google built-in compatibility (select service plan required, terms and limitations apply), including navigation capability, connected apps, personalized profiles for each driver's settings, Natural Voice Recognition and Phone Integration (STD)

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Data Version: 27716. Data Updated: Feb 9, 2026 6:58:00 PM PST.

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (Complete)

Entertainment	
	Audio system feature, 6-speaker system
	Bluetooth for phone personal cell phone connectivity to vehicle audio system
	5G Wi-Fi Hotspot capable (Requires (UE1) OnStar. Terms and limitations apply. See onstar.com or dealer for details.)
	Wi-Fi Hotspot capable (Requires (UE1) OnStar. Terms and limitations apply. See onstar.com or dealer for details.)
	SiriusXM, delete
	Wireless Apple CarPlay/Wireless Android Auto
Interior	
	Seats, front 40/20/40 split-bench (STD)
	Seat trim, cloth
	Seat adjuster, driver 8-way power
	Seat adjuster, front passenger 6-way power
	Seat adjuster, driver 2-way power lumbar
	Seat adjuster, front passenger 2-way power lumbar
	Seats, second row 60/40 split-folding bench, manual
	Seats, third row 60/40 split-folding bench, manual (Not available with (9C1) Police Package or (5W4) Special Service Package.)
	Floor covering, Black rubberized vinyl (Deleted when (B30) floor covering is ordered.)
	Electronic Precision Shift
	Steering column lock, electrical
	Steering column, manual tilt and telescopic
	Steering wheel, vinyl
	Steering wheel controls, mounted audio, Driver Information Center, Adaptive Cruise Control, Forward Collision Alert following gap button and heated steering wheel (when equipped)
	Driver Information Center, 11" diagonal multi-color digital display
	Door locks, power programmable with lockout protection. Auto Lockout is disabled on driver door.
	Keyless Open includes extended range Remote Keyless Entry
	Window, power with driver Express-Up/Down
	Window, power with front passenger Express-Up/Down
	Windows, power with rear Express-Down
	Adaptive Cruise Control (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)

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[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (Complete)

Interior	
	Universal Vehicle Module
	Theft-deterrent system, electrical, unauthorized entry
	USB ports, 2 type-A and C, charge and data, located on front console
	USB ports, 2 type-C, charge-only, located in third row
	Air conditioning, tri-zone automatic climate control with individual climate settings for driver, right front passenger and rear seat occupants
	Air conditioning, rear
	Defogger, rear-window electric
	Power outlets, 2, 120-volt, located on the rear of the center console and rear cargo area (NOTE: When ordered with (9C1) Police Package or (5W4) Special Service Package, the location of the outlets will change from the rear of the center console to the rear of the center seat.)
	Mirror, inside rearview manual day/night
	Visors, driver and front passenger illuminated vanity mirrors, sliding
	Assist handles, overhead, driver and front passenger, located in headliner
	Assist handles, front passenger A-pillar and second row outboard B-pillar
	Lighting, interior with dome light, driver- and passenger-side door switch with delayed entry feature, cargo lights, door handle or Remote Keyless Entry-activated illuminated entry and map lights in front and second seat positions
	Cargo management system (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Chevrolet Connected Access capable (Subject to terms. See onstar.com or dealer for details.) (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
Safety-Mechanical	
	Front Pedestrian and Bicyclist Braking (Deleted when (9C1) Police Vehicle is ordered.)
	Intersection Automatic Emergency Braking intersection alert, braking (Deleted when (9C1) Police Vehicle is ordered.)
	Enhanced Automatic Emergency Braking (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Reverse Automatic Braking (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	StabiliTrak, stability control system with brake assist, includes traction control
Safety-Interior	
	Airbags, Frontal airbags for driver and front outboard passenger; Seat-mounted side-impact airbags for driver and front outboard passenger; Head-curtain airbags for all rows in outboard seating positions (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (✔ Complete)

Safety-Interior	
	Front outboard Passenger Sensing System for frontal outboard passenger airbag (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)
	Hill Start Assist (Not available with (9C1) Police Vehicle or (5W4) Special Services Vehicle.)
	OnStar Services capable (On 4WD model, deleted when (UDA) OnStar deactivated is ordered. See onstar.com for details and limitations. Services vary by model. Service plan required.)
	Enhanced Automatic Parking Assist (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	HD Surround Vision
	Rear Camera Washer
	Rear Cross Traffic Braking (Deleted when (9C1) Police Vehicle is ordered.)
	Rear Pedestrian Alert
	Side Bicyclist Alert (Deleted when (9C1) Police Vehicle is ordered.)
	Forward Collision Alert (Deleted when (9C1) Police Vehicle is ordered.)
	Safety Alert Seat (Not available with (9C1) Police Vehicle or (5W4) Special Service Vehicle.)
	Rear Seat Reminder
	Buckle to Drive prevents vehicle from being shifted out of Park until driver seat belt is fastened; times out after 20 seconds and encourages seat belt use, can be turned on and off in Settings or Teen Driver menu (Defaulted off. Feature can be turned on in the infotainment menu.)
	Door locks, rear child security, manual
	LATCH system (Lower Anchors and Tethers for CHildren), for child restraint seats lower anchors and top tethers located in all second-row seating positions, top tethers located in third row seating positions
	Teen Driver a configurable feature that lets you activate customizable vehicle settings associated with a key fob, to help encourage safe driving behavior. It can limit certain available vehicle features, and it prevents certain safety systems from being turned off. An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver
	Tire Pressure Monitoring System auto learn, includes Tire Fill Alert (does not apply to spare tire)
	Warning tones headlamp on, driver and right-front passenger seat belt unfasten and turn signal on
	OnStar Basics (OnStar Fleet Basics for Fleet) Drive confidently with core OnStar services including remote commands, built-in voice assistance, real-time traffic and navigation, and Automatic Crash Response to help if you're in need. (Requires (UE1) OnStar. OnStar Basics includes remote commands, Navigation, Voice Assistance, and Automatic Crash Response, for eligible vehicles with compatible software. OnStar Basics is standard for 8 years; OnStar plan, working electrical system, cell reception and GPS signal required. OnStar links to emergency services. Service coverage varies with conditions and location. Service availability, features and functionality vary by device and software version. See onstar.com for details and limitations.)

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[Fleet] 2026 Chevrolet Tahoe (CK10706) 4WD 4dr Commercial (13) (Complete)

WARRANTY

Warranty Note: <<< Preliminary 2026 Warranty >>>
Basic Years: 3
Basic Miles/km: 36,000
Drivetrain Years: 5
Drivetrain Miles/km: 60,000
Drivetrain Note: 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Corrosion Years (Rust-Through): 6
Corrosion Years: 3
Corrosion Miles/km (Rust-Through): 100,000
Corrosion Miles/km: 36,000
Roadside Assistance Years: 5
Roadside Assistance Miles/km: 60,000
Roadside Assistance Note: 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Maintenance Note: First Visit: 12 Months/12,000 Miles

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Livonia Police Department

Departmental Correspondence

Date: March 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Lt. Robert Painter / Intelligence Bureau

Subject: ☐ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): Todd Wenzel Chevrolet
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426
Attention: Albert Li

Approvals: Name/ Title _____ Name/ Title _____

Administrative Approval (Capt. Tyree): Capt L Tyree

Account Number (LEAVE BLANK): 101.329.985.000

Sole Source? ☐ N/A ☐ Yes ☐ No

Council Resolution # (over $20,000): _____

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Chevrolet Silverado 1500 Crew 4wd LT	55766.50	1	$55,766.50
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$55,766.50
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$55,766.50

Three quotes attached if over $3,000 ☐ Yes ☐ No ☑ N/A If no, why?
State of MichiganMiDeal Contract #MA240000001205

Other information / instructions: _____

Submitted by (signature): Lt [signature]

☐ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$55,766.50
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
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			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$55,766.50
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$55,766.50

Please contact Computers at x2020 if you have any trouble with this form.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

City of Livonia Police Dept.

Prepared For: Rollie Hoskin

(734) 837-4274

rollie.hoskin@LivoniaPD.com

[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT

TODD WENZEL CHEVROLET
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426

State of Michigan MiDeal Contract # MA240000001205
MiDeal Spec # 1007-POL

City of Livonia Police Dept. Pricing **(MiDeal Pricing)**

2026 Chevrolet Silverado 1500 Crew Cab 4x4 LT

7100# GVWR **5.3L Gas V8 / 10-Spd Auto** **Crew w/ 5'10 Box**

2026 Chevrolet Silverado 1500 Crew 4wd LT **$ 55,766.50**

Prices Quoted are for a 2026 MY MiDeal GM Factory Order.
FOB Livonia, MI

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (Complete)

Price Summary

PRICE SUMMARY

	MSRP
Base Price	$53,700.00
Total Options	$7,845.00
Vehicle Subtotal	$61,545.00
Destination Charge	$2,795.00
Grand Total	**$64,340.00**

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (Complete)

Selected Model and Options

MODEL

CODE	MODEL
CK10543	2026 Chevrolet Silverado 1500 4WD Crew Cab 147" LT w/1LT

COLORS

CODE	DESCRIPTION
GXD	Sterling Gray Metallic

OPTIONS

CODE	DESCRIPTION
FE9	Emissions, Federal requirements
L84	Engine, 5.3L EcoTec3 V8
MHS	Transmission, 10-speed automatic
C5Y	GVWR, 7100 lbs. (3221 kg)
GU5	Rear axle, 3.23 ratio
1LT	LT Preferred Equipment Group
RBR	Wheels, 22" transit steel wheels for LPO 22" wheels and tires
XCE	Tires, 275/50R22SL all-season, blackwall
QAQ	Tire, spare 255/80R17SL all-season, blackwall
GXD	Sterling Gray Metallic
A50	Seats, front bucket
H0Y	Jet Black, Leather-appointed front outboard seating positions
IOK	Audio system, Chevrolet Infotainment 3 Premium system
PCM	Convenience Package II
CXH	Leather Package
WPQ	Protection Package
EPH	Shifter, Electronic Transmission Range Selector
KC4	Cooling, external engine oil cooler
KNP	Cooling, auxiliary external transmission oil cooler
KW7	Alternator, 170 amps
Z60	Suspension Package, High Capacity
SGM	LPO, 22" (55.9 cm) High Gloss Black wheels

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (✓ Complete)

OPTIONS

CODE	DESCRIPTION
CGN	Chevytec spray-on bedliner, Black
B1J	Wheelhouse liners, rear
SNR	Seat, Up-level Rear with Storage Package
D07	Center Console, floor-mounted
RIA	LPO, All-weather floor liners
A48	Window, power, rear sliding
UG1	Universal Home Remote
K4C	Wireless Charging
UBC	USB ports, 2, Charge/Data ports located inside center console
PZ8	Hitch Guidance with Hitch View
UET	In-Vehicle Trailering App, System
R9W	Deleted Mobile Service Plus.
	Options Total

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (✓ Complete)

Standard Equipment

Package

Trailering Package includes trailer hitch, 7-pin and 4-pin connectors and (CTT) Hitch Guidance

Chevy Safety Assist includes (UHY) Automatic Emergency Braking, (UKJ) Front Pedestrian Braking, (UHX) Lane Keep Assist with Lane Departure Warning, (UE4) Following Distance Indicator, (UEU) Forward Collision Alert and (TQ5) IntelliBeam

All Star Edition (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered. Dealers in the following states may order (TUF) Texas Edition badging: Arkansas, Louisiana, New Mexico, Oklahoma and Texas.)

Convenience Package includes (CJ2) dual-zone automatic climate control, (A2X) 10-way power driver seat including power lumbar, (KA1) heated driver and passenger seats, (N57) wrapped steering wheel, (KI3) heated steering wheel, (KI4) 120-volt power outlet, (KC9) 120-volt bed-mounted power outlet, (UBI) 2 charge-only USB ports for second row, (C49) rear-window defogger, (AVJ) Keyless Open and Start, (BTV) Remote Start, (UTJ) content theft alarm, (N37) Steering column, manual tilt and telescoping and (UF2) LED Cargo Area Lighting (Upgradeable to (A50) bucket seats and includes (D07) center console. Some content is deleted when (RG4) Fleet LT Base Content Package Delete is ordered. The deleted content is as follows; (CJ2) Air conditioning, (A2X) Seat adjuster, (KA1) Seating, heated driver and front outboard passenger, (KI3) Steering wheel, heated, (N37) Steering column, manual tilt and telescoping, and (UF2) LED Cargo Area Lighting.)

Mechanical

Durabed, pickup bed

Engine, TurboMax (310 hp [231 kW] @ 5600 rpm, 430 lb-ft of torque [583 Nm] @ 3000 rpm) (STD) (Not available with (Z71) Z71 Off-Road Package.)

Transmission, 8-speed automatic, electronically controlled with overdrive and tow/haul mode. Includes Cruise Grade Braking and Powertrain Grade Braking (STD) (Included and only available with (L3B) TurboMax engine. Requires (AZ3) front 40/20/40 split-bench seats.)

Rear axle, 3.42 ratio (Included with (L3B) TurboMax engine or (L84) 5.3L EcoTec3 V8 engine and (NHT) Max Trailering Package.)

GVWR, 7000 lbs. (3175 kg) (STD) (Requires Crew Cab or Double Cab 4WD model and (L3B) TurboMax engine.)

Push Button Start

Automatic Stop/Start

Transfer case, single speed electronic Autotrac with push button control (4WD models only)

Auto-locking rear differential

Four wheel drive

Battery, heavy-duty 730 cold-cranking amps/80 Amp-hr, maintenance-free with rundown protection and retained accessory power

Alternator, 220 amps (Included and only available with (L3B) TurboMax engine, (LZ0) Duramax 3.0L Turbo-Diesel I6 engine, (VYU) Snow Plow Prep Package or (NHT) Max Trailering Package.)

Trailer brake controller, integrated

Recovery hooks, front, frame-mounted, Black (Included with 4WD models only.)

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (✓ Complete)

Mechanical

Frame, fully-boxed, hydroformed front section

Suspension Package, Standard

Steering, Electric Power Steering (EPS) assist, rack-and-pinion

Brakes, 4-wheel antilock, 4-wheel disc with DURALIFE rotors

Brake lining wear indicator

Capless Fuel Fill

Exhaust, single outlet

Exterior

Wheels, 17" x 8" (43.2 cm x 20.3 cm) Bright Silver painted aluminum (STD)

Tires, 255/70R17 all-season, blackwall (STD)

Tire, spare 255/70R17 all-season, blackwall (STD) (Included with (QBN) 255/70R17 all-season, blackwall tires.)

Wheel, 17" x 8" (43.2 cm x 20.3 cm) full-size, steel spare (Standard on models built after November 25, 2024. Not available with CC10543 model when ordered with (L84) 5.3L EcoTec3 V8 engine unless also ordered with (NHT) Max Trailering Package.)

Tire carrier lock, keyed cylinder lock that utilizes same key as ignition and door

Bumper, front chrome

Bumper, rear chrome

CornerStep, rear bumper

Cargo tie downs (12), fixed rated at 500 lbs per corner

Headlamps, LED reflector with LED signature Daytime Running Lamps and Amber tracer animation

IntelliBeam, automatic high beam on/off

Lamps, cargo area, cab mounted integrated with center high mount stop lamp, with switch in bank on left side of steering wheel (incandescent on Regular Cab models, LED on Crew Cab and Double Cab models)

LED Cargo Area Lighting located in pickup bed, activated with switch on center switch bank or key fob (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered.)

Taillamps with incandescent tail, stop and reverse lights

Mirrors, outside heated power-adjustable (When (PQB) Safety Package is ordered, includes (U12) Perimeter Lighting.)

Mirror caps, chrome (Not available with (DPO) trailering mirrors.)

Glass, deep-tinted

Door handles, body-color

Tailgate and bed rail protection cap, top

Tailgate, standard

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (✓ Complete)

Exterior

Tailgate, gate function manual with EZ Lift includes power lock and release

Entertainment

Audio system, Chevrolet Infotainment 3 Premium system with Google built-in compatibility (select service plan required, terms and limitations apply) including navigation capability, 13.4" diagonal HD color touchscreen, includes multi-touch display, AM/FM stereo, Bluetooth streaming audio for music and most phones; featuring Wireless Apple CarPlay and Wireless Android Auto capability for compatible phones, advanced voice recognition, in-vehicle apps, personalized profiles for infotainment and vehicle settings (STD)

SiriusXM Trial Subscription

SiriusXM with 360L Trial Subscription. SiriusXM with 360L transforms your customers' ride with our most extensive and personalized radio experience on the road. (IMPORTANT: The SiriusXM trial subscription is not provided on vehicles that are ordered for Fleet Daily Rental ("FDR") use. Trial subscription is subject to the SiriusXM Customer Agreement and privacy policy, visit siriusxm.com which includes full terms and how to cancel. All fees, content, features, and availability are subject to change. Some features require GM connected vehicle services.)

Audio system feature, 6-speaker system

Wireless phone projection for Apple CarPlay and Android Auto

Bluetooth for phone, connectivity to vehicle infotainment system

Wi-Fi Hotspot capable (Terms and limitations apply. See onstar.com or dealer for details.)

Interior

Seats, front 40/20/40 split-bench with covered armrest storage and under-seat storage (lockable) (STD)

Remote Start Package includes (BTV) Remote Start, (UTJ) content theft alarm and (C49) rear-window defogger (Included with (PCL) Convenience Package. Available as a free flow when (RG4) Fleet LT Base Content Package Delete is ordered.)

Seat trim, Cloth

Seat adjuster, driver 10-way power including lumbar (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered.)

Seat adjuster, passenger 4-way manual

Seating, heated driver and front outboard passenger (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered.)

Seat, rear 60/40 folding bench (folds up), 3-passenger (includes child seat top tether anchor)

Floor covering, color-keyed carpeting

Floor mats, rubberized vinyl, front (Deleted when LPO floor liners are ordered.)

Floor mats, rubberized-vinyl rear (Deleted when LPO floor liners are ordered.)

Steering wheel, wrapped

Steering wheel, heated (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered.)

Steering wheel audio controls

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (✓ Complete)

Interior

Steering column, manual tilt and telescoping (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered.)

Steering column lock, electrical

Driver Information Center, enhanced, 12.3" diagonal reconfigurable multicolor digital display

Exterior Temperature Display located in radio display

Compass located in instrument cluster

Window, power front, drivers express up/down

Window, power front, passenger express down

Windows, power rear, express down

Door locks, power

Remote vehicle starter system

Keyless Open and Start

Cruise control, electronic with set and resume speed, steering wheel-mounted

Theft-deterrent system, unauthorized entry

Power outlet, interior power outlet, 120-volt (400 watts shared with (KC9) bed mounted power outlet)

USB Ports, 2, Charge/Data ports located on instrument panel

USB ports, rear, dual, charge-only

Power outlet, bed mounted, 120-volt (400 watts shared with (KI4) interior power outlet)

Air conditioning, dual-zone automatic climate control (Deleted when (RG4) Fleet LT Base Content Package Delete is ordered and replaced with (C67) single-zone manual air conditioning.)

Air vents, rear, heating/cooling

Defogger, rear-window electric

Mirror, inside rearview, manual tilt

Assist handles front A-pillar mounted for driver and passenger, rear B-pillar mounted

Safety-Mechanical

Automatic Emergency Braking

Front Pedestrian Braking

StabiliTrak, stability control system with Proactive Roll Avoidance and traction control, includes electronic trailer sway control and hill start assist

Safety-Exterior

Daytime Running Lamps with automatic exterior lamp control

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (Complete)

Safety-Interior

Airbags, Dual-stage frontal airbags for driver and front outboard passenger; Seat-mounted side-impact airbags for driver and front outboard passenger; Head-curtain airbags for front and rear outboard seating positions; Includes front outboard Passenger Sensing System for frontal outboard passenger airbag (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

OnStar services capable (See onstar.com for details and limitations. Services vary by model. Service plan required.)

OnStar Basics (OnStar Fleet Basics for Fleet) Drive confidently with core OnStar services including remote commands, built-in voice assistance, real-time traffic and navigation, and Automatic Crash Response to help if you're in need. (Requires (UE1) OnStar. OnStar Basics includes remote commands, Navigation, Voice Assistance, and Automatic Crash Response, for eligible vehicles with compatible software. OnStar Basics is standard for 8 years; OnStar plan, working electrical system, cell reception and GPS signal required. OnStar links to emergency services. Service coverage varies with conditions and location. Service availability, features and functionality vary by device and software version. See onstar.com for details and limitations.)

HD Rear Vision Camera

Hitch Guidance dynamic single line to aid in trailer alignment for hitching

Lane Keep Assist with Lane Departure Warning

Following Distance Indicator

Forward Collision Alert

Rear Seat Reminder

Rear Seat Belt Indicator

Teen Driver a configurable feature that lets you activate customizable vehicle settings associated with a key fob, to help encourage safe driving behavior. It can limit certain available vehicle features, and it prevents certain safety systems from being turned off. An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver

Buckle to Drive prevents vehicle from being shifted out of Park until driver seat belt is fastened; times out after 20 seconds and encourages seat belt use, can be turned on and off in Settings menu

Tire Pressure Monitoring System, auto learn includes Tire Fill Alert (does not apply to spare tire)

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[Fleet] 2026 Chevrolet Silverado 1500 (CK10543) 4WD Crew Cab 147" LT (Complete)

WARRANTY

Warranty Note: <<< Preliminary 2026 Warranty >>>
Basic Years: 3
Basic Miles/km: 36,000
Drivetrain Years: 5
Drivetrain Miles/km: 60,000
Drivetrain Note: Silverado TurboMax^{TM} engines, 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Corrosion Years (Rust-Through): 6
Corrosion Years: 3
Corrosion Miles/km (Rust-Through): 100,000
Corrosion Miles/km: 36,000
Roadside Assistance Years: 5
Roadside Assistance Miles/km: 60,000
Roadside Assistance Note: Silverado TurboMax^{TM} engines, 3.0L & 6.0L Duramax® Turbo-Diesel engines, and certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Maintenance Note: First Visit: 12 Months/12,000 Miles

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Data Version: 28396. Data Updated: May 4, 2026 1:47:00 AM UTC.

Livonia Police Department

Departmental Correspondence

Date: March 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Lt. Robert Painter / Intelligence Bureau

Subject: ☐ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): Todd Wenzel Chevrolet
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426
Attention: Albert Li

Approvals: Name/ Title _____ Name/ Title _____

Administrative Approval (Capt. Tyree): Capt W Tyree

Account Number (LEAVE BLANK): 101·329·985·060

Sole Source? ☐ N/A ☐ Yes ☐ No

Council Resolution # (over $20,000): _____

Item / Description / Order Number	Cost each	Quantity	Total Cost
2026 Chevrolet Traverse AWD LT Utility (Sterling Gray Metallic)	42971.00	1	$42,971.00
2026 Chevrolet Traverse AWD LT Utility (Mosaic Black Metallic)	42971.00	1	42971.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$85,942.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$85,942.00

Three quotes attached if over $3,000 ☐ Yes ☐ No ☑ N/A If no, why?
State of MichiganMiDeal Contract #MA240000001205

Other information / instructions: _____

Submitted by (signature): Lt [signature] #654

☐ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$85,942.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
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			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
Subtotal			$85,942.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$85,942.00

Please contact Computers at x2020 if you have any trouble with this form.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

City of Livonia Police Dept.

Prepared For: Rollie Hoskin

(734) 837-4274

rollie.hoskin@LivoniaPD.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4)

TODD WENZEL CHEVROLET
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426

State of Michigan MiDeal Contract# MA240000001205
MiDeal Spec 0050-4WDU

City of Livonia Police Dept. Pricing **(MiDeal Pricing)**

2026 Chevrolet Traverse AWD LT Utility

6394# GVWR **2.5 T4 Gas / 8-Spd Auto Trans** **AWD LT 7-Pass**

2026 Chevrolet Traverse AWD LT Utility **$ 42,971.00**

Price Quoted is for a MiDeal 2026MY GM Factory Order.
FOB Livonia, MI

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (✓ Complete)

Price Summary

PRICE SUMMARY

	MSRP
Base Price	$42,800.00
Total Options	$3,285.00
Vehicle Subtotal	$46,085.00
Destination Charge	$1,995.00
Grand Total	**$48,080.00**

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Todd Wenzel Buick-GMC and TW Chevrolet

Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Selected Model and Options

MODEL

CODE	MODEL
1LB56	2026 Chevrolet Traverse AWD 4dr LT w/2LT

COLORS

CODE	DESCRIPTION
GB8	Mosaic Black Metallic

OPTIONS

CODE	DESCRIPTION
FE9	Emissions, Federal requirements
LK0	Engine, 2.5L Turbo DOHC SIDI with Variable Valve Timing (VVT)
MF8	Transmission, 8-speed automatic
2LT	LT Preferred Equipment Group
SLV	Wheels, 20" (50.8 cm) High Gloss Black painted aluminum
Q3N	Tires, 255/55R20 all-season blackwall
GB8	Mosaic Black Metallic
AR9	Seats, front bucket
HHJ	LT Jet Black, Evotex seat trim
ABE	Seating, 7-passenger (2-2-3 seating configuration)
WJU	Midnight/Sport Edition
BSW	Molding, high gloss Black door upper and low gloss Black belt
R9W	Deleted Mobile Service Plus.
	Options Total

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Standard Equipment

Package

Convenience Package includes (BTV) Remote Start, (KA1) heated driver and front passenger seats and (KI3) heated steering wheel

Chevy Safety Assist includes (UE4) Following Distance Indicator, (UEU) Forward Collision Alert and (TQ5) IntelliBeam

Safety Package 1 includes (UGN) Enhanced Automatic Emergency Braking, (KSG) Adaptive Cruise Control , (CTB) Intersection Automatic Emergency Braking, (UOW) Side bicyclist Alert, (UKM) Lane keep assist with Lane Departure Warning, enhanced and (UVZ) Reverse Automatic Braking

Trailering Package includes Hitch with hitch cover, (PZ8) Hitch View, (CTT) Hitch Guidance, (V08) heavy-duty cooling system and (KW5) 220 amp alternator

Mechanical

Engine, 2.5L Turbo DOHC SIDI with Variable Valve Timing (VVT) (328 hp [244 kW] @ 5500 rpm, 326 lb-ft of torque [442 N-m] @ 3500 rpm) (STD)

Transmission, 8-speed automatic (STD)

Engine control, stop-start system

Engine control, stop-start system override

Electronic Precision Shift, electronic transmission range selector

Cooling system, heavy-duty

Alternator, 220 amps

GVWR, 6394 lbs (2900 kg)

All-wheel drive

Hitch Guidance

Hitch View

Suspension, Ride and Handling

Brake lining wear indicator

Brakes, 4-wheel antilock, 4-wheel disc

Exterior

Wheels, 18" (45.7 cm) Grazen Metallic machined-face aluminum (STD)

Tires, 255/65R18 all-season blackwall (STD)

Wheel, spare, 18" (45.7 cm) steel

Tire, compact spare, T135/70R18, blackwall

Roof rails, Black

Molding, bright door upper and low gloss Black belt

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (✓ Complete)

Exterior

Moldings, molded color bodyside

Moldings, rocker, narrow, molded color

Wheel moldings, mold-in-color Black

Door handles, body-color

Headlamps, LED, automatic on/off

IntelliBeam, auto high beam

Glass, deep-tinted

Glass, rear, deep tint

Mirrors, outside heated, power-adjustable, manual-folding Black, with integrated turn signal indicators

Rear Camera Washer

AutoSense Power Liftgate, programmable, hands free

Entertainment

Audio system, 17.7" diagonal advanced color high-contrast LCD display with Google built-in compatibility (select service plan required, terms and limitations apply), including navigation capability, connected apps, personalized profiles for each driver's settings, Natural Voice Recognition and Phone Integration for Wireless Apple CarPlay and Wireless Android Auto for compatible phones

Audio system feature, 6-speaker system

SiriusXM with 360L Trial Subscription. SiriusXM with 360L transforms your customers' ride with our most extensive and personalized radio experience on the road. (IMPORTANT: The SiriusXM trial subscription is not provided on vehicles that are ordered for Fleet Daily Rental ("FDR") use. Trial subscription is subject to the SiriusXM Customer Agreement and privacy policy, visit siriusxm.com which includes full terms and how to cancel. All fees, content, features, and availability are subject to change. Some features require GM connected vehicle services.)

Wi-Fi Hotspot capable (Terms and limitations apply. See onstar.com or dealer for details.)

Active Noise Cancellation, driveline

Interior

Seats, front bucket (STD)

Seating, 7-passenger (2-2-3 seating configuration) (STD)

Seat trim, premium cloth

Seat adjuster, driver 8-way power

Seat adjuster, front passenger 4-way manual

Seats, heated driver and front passenger

Headrest, 3rd row center

Floor mats, front, carpeted (Deleted when LPO floor mats or floor liners are ordered.)

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Data Version: 28396. Data Updated: May 4, 2026 1:47:00 AM UTC.

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Interior

Floor mats, rear, carpeted (Deleted when LPO floor mats or floor liners are ordered.)

Steering column, manual tilt and telescopic

Steering wheel, wrapped, round bottom

Steering wheel, heated

Driver Information Center, 11" diagonal display

Vehicle health management provides advanced warning of vehicle issues

Windows, remote express-up/-down driver and express-down all passengers

Keyless Open, all doors includes extended range Remote Keyless Entry with lock/unlock feature

Remote Start

Adaptive Cruise Control

Wireless Phone Charging

USB ports, 2, one type A and one type-C data/charge, located in the front area of the center console

USB ports, 2 type-A, charge-only located on the rear of the center console

USB ports, 2 type-A, charge-only one on each outboard location

Air conditioning, tri-zone automatic climate control with individual climate settings for driver, front passenger and rear seat passengers

Air conditioning, rear

Sensor, cabin humidity and windshield temperature

Mirror, inside rearview manual day/night

Heater, electric, heater defroster system, reinforced

Safety-Mechanical

Enhanced Automatic Emergency Braking

Front Pedestrian and Bicyclist Braking

Intersection Automatic Emergency Braking

Rear Cross Traffic Braking

Reverse Automatic Braking

Safety-Exterior

Mechanical jack with tools

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[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Safety-Interior

Airbags, driver and front passenger frontal, seat-mounted side-impact first row outboard, seat-mounted side-impact inboard driver, and roof rail-mounted for all outboard seating positions and Passenger Sensing System for front passenger (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

OnStar Services capable (See onstar.com for details and limitations. Services vary by model. Service plan required.)

OnStar Basics (OnStar Fleet Basics for Fleet) Drive confidently with core OnStar services including remote commands, built-in voice assistance, real-time traffic and navigation, and Automatic Crash Response to help if you're in need. (Requires (UE1) OnStar. OnStar Basics includes remote commands, Navigation, Voice Assistance, and Automatic Crash Response, for eligible vehicles with compatible software. OnStar Basics is standard for 8 years; OnStar plan, working electrical system, cell reception and GPS signal required. OnStar links to emergency services. Service coverage varies with conditions and location. Service availability, features and functionality vary by device and software version. See onstar.com for details and limitations.)

Teen Driver a configurable feature that lets you activate customizable vehicle settings associated with a key fob, to help encourage safe driving behavior. It can limit certain available vehicle features, and it prevents certain safety systems from being turned off. An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver

Rear Park Assist

HD Rear Vision Camera

Blind Zone Steering Assist

Lane Keep Assist with Lane Departure Warning, enhanced

Following Distance Indicator

Forward Collision Alert

Side Bicyclist Alert

LED Reflective Windshield Collision Alert

Seat belt restraint pretensioner, rear

Seat belt, 3-point, front passenger with pretensioner and load limiter

Seat belt, 3-point, driver with pretensioner and load limiter

Seat belts, all rows 3-point with pretensioners, driver and front passenger height-adjustable

Seat belt indicator, second row

Seat belt indicator, third row

Buckle to Drive prevents vehicle from being shifted out of Park until driver seat belt is fastened; times out after 20 seconds and encourages seat belt use, can be turned on and off in Settings menu

LATCH system (Lower Anchors and Tethers for CHildren), for child restraints seats

Display, automatic occupant sensing

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[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Safety-Interior

Passenger Sensing System sensor indicator inflatable restraint, front passenger/child presence detector (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

Safety Alert Seat

Tire Pressure Monitor System, auto learn

WARRANTY

Warranty Note: <<< Preliminary 2026 Warranty >>>
Basic Years: 3
Basic Miles/km: 36,000
Drivetrain Years: 5
Drivetrain Miles/km: 60,000
Drivetrain Note: Certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Corrosion Years (Rust-Through): 6
Corrosion Years: 3
Corrosion Miles/km (Rust-Through): 100,000
Corrosion Miles/km: 36,000
Roadside Assistance Years: 5
Roadside Assistance Miles/km: 60,000
Roadside Assistance Note: Certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Maintenance Note: First Visit: 12 Months/12,000 Miles

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

City of Livonia Police Dept.

Prepared For: Rollie Hoskin

(734) 837-4274

rollie.hoskin@LivoniaPD.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4)

TODD WENZEL CHEVROLET
3156 Highland Dr, PO Box 310
Hudsonville, MI 49426

State of Michigan MiDeal Contract# MA240000001205
MiDeal Spec 0050-4WDU

City of Livonia Police Dept. Pricing **(MiDeal Pricing)**

2026 Chevrolet Traverse AWD LT Utility

6394# GVWR **2.5 T4 Gas / 8-Spd Auto Trans** **AWD LT 7-Pass**

2026 Chevrolet Traverse AWD LT Utility **$ 42,971.00**

Price Quoted is for a MiDeal 2026MY GM Factory Order.
FOB Livonia, MI

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Price Summary

PRICE SUMMARY

	MSRP
Base Price	$42,800.00
Total Options	$3,285.00
Vehicle Subtotal	$46,085.00
Destination Charge	$1,995.00
Grand Total	**$48,080.00**

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[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (✓ Complete)

Selected Model and Options

MODEL

CODE	MODEL
1LB56	2026 Chevrolet Traverse AWD 4dr LT w/2LT

COLORS

CODE	DESCRIPTION
GXD	Sterling Gray Metallic

OPTIONS

CODE	DESCRIPTION
FE9	Emissions, Federal requirements
LK0	Engine, 2.5L Turbo DOHC SIDI with Variable Valve Timing (VVT)
MF8	Transmission, 8-speed automatic
2LT	LT Preferred Equipment Group
SLV	Wheels, 20" (50.8 cm) High Gloss Black painted aluminum
Q3N	Tires, 255/55R20 all-season blackwall
GXD	Sterling Gray Metallic
AR9	Seats, front bucket
HHJ	LT Jet Black, Evotex seat trim
ABE	Seating, 7-passenger (2-2-3 seating configuration)
WJU	Midnight/Sport Edition
BSW	Molding, high gloss Black door upper and low gloss Black belt
R9W	Deleted Mobile Service Plus.
	Options Total

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Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Standard Equipment

Package

Convenience Package includes (BTV) Remote Start, (KA1) heated driver and front passenger seats and (KI3) heated steering wheel

Chevy Safety Assist includes (UE4) Following Distance Indicator, (UEU) Forward Collision Alert and (TQ5) IntelliBeam

Safety Package 1 includes (UGN) Enhanced Automatic Emergency Braking, (KSG) Adaptive Cruise Control , (CTB) Intersection Automatic Emergency Braking, (UOW) Side bicyclist Alert, (UKM) Lane keep assist with Lane Departure Warning, enhanced and (UVZ) Reverse Automatic Braking

Trailering Package includes Hitch with hitch cover, (PZ8) Hitch View, (CTT) Hitch Guidance, (V08) heavy-duty cooling system and (KW5) 220 amp alternator

Mechanical

Engine, 2.5L Turbo DOHC SIDI with Variable Valve Timing (VVT) (328 hp [244 kW] @ 5500 rpm, 326 lb-ft of torque [442 N-m] @ 3500 rpm) (STD)

Transmission, 8-speed automatic (STD)

Engine control, stop-start system

Engine control, stop-start system override

Electronic Precision Shift, electronic transmission range selector

Cooling system, heavy-duty

Alternator, 220 amps

GVWR, 6394 lbs (2900 kg)

All-wheel drive

Hitch Guidance

Hitch View

Suspension, Ride and Handling

Brake lining wear indicator

Brakes, 4-wheel antilock, 4-wheel disc

Exterior

Wheels, 18" (45.7 cm) Grazen Metallic machined-face aluminum (STD)

Tires, 255/65R18 all-season blackwall (STD)

Wheel, spare, 18" (45.7 cm) steel

Tire, compact spare, T135/70R18, blackwall

Roof rails, Black

Molding, bright door upper and low gloss Black belt

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Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Exterior

Moldings, molded color bodyside

Moldings, rocker, narrow, molded color

Wheel moldings, mold-in-color Black

Door handles, body-color

Headlamps, LED, automatic on/off

IntelliBeam, auto high beam

Glass, deep-tinted

Glass, rear, deep tint

Mirrors, outside heated, power-adjustable, manual-folding Black, with integrated turn signal indicators

Rear Camera Washer

AutoSense Power Liftgate, programmable, hands free

Entertainment

Audio system, 17.7" diagonal advanced color high-contrast LCD display with Google built-in compatibility (select service plan required, terms and limitations apply), including navigation capability, connected apps, personalized profiles for each driver's settings, Natural Voice Recognition and Phone Integration for Wireless Apple CarPlay and Wireless Android Auto for compatible phones

Audio system feature, 6-speaker system

SiriusXM with 360L Trial Subscription. SiriusXM with 360L transforms your customers' ride with our most extensive and personalized radio experience on the road. (IMPORTANT: The SiriusXM trial subscription is not provided on vehicles that are ordered for Fleet Daily Rental ("FDR") use. Trial subscription is subject to the SiriusXM Customer Agreement and privacy policy, visit siriusxm.com which includes full terms and how to cancel. All fees, content, features, and availability are subject to change. Some features require GM connected vehicle services.)

Wi-Fi Hotspot capable (Terms and limitations apply. See onstar.com or dealer for details.)

Active Noise Cancellation, driveline

Interior

Seats, front bucket (STD)

Seating, 7-passenger (2-2-3 seating configuration) (STD)

Seat trim, premium cloth

Seat adjuster, driver 8-way power

Seat adjuster, front passenger 4-way manual

Seats, heated driver and front passenger

Headrest, 3rd row center

Floor mats, front, carpeted (Deleted when LPO floor mats or floor liners are ordered.)

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Data Version: 28396. Data Updated: May 4, 2026 1:47:00 AM UTC.

Todd Wenzel Buick-GMC and TW Chevrolet
Albert Li | (734) 713-1065 | ali@toddwenzel.com

[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Interior

Floor mats, rear, carpeted (Deleted when LPO floor mats or floor liners are ordered.)

Steering column, manual tilt and telescopic

Steering wheel, wrapped, round bottom

Steering wheel, heated

Driver Information Center, 11" diagonal display

Vehicle health management provides advanced warning of vehicle issues

Windows, remote express-up/-down driver and express-down all passengers

Keyless Open, all doors includes extended range Remote Keyless Entry with lock/unlock feature

Remote Start

Adaptive Cruise Control

Wireless Phone Charging

USB ports, 2, one type A and one type-C data/charge, located in the front area of the center console

USB ports, 2 type-A, charge-only located on the rear of the center console

USB ports, 2 type-A, charge-only one on each outboard location

Air conditioning, tri-zone automatic climate control with individual climate settings for driver, front passenger and rear seat passengers

Air conditioning, rear

Sensor, cabin humidity and windshield temperature

Mirror, inside rearview manual day/night

Heater, electric, heater defroster system, reinforced

Safety-Mechanical

Enhanced Automatic Emergency Braking

Front Pedestrian and Bicyclist Braking

Intersection Automatic Emergency Braking

Rear Cross Traffic Braking

Reverse Automatic Braking

Safety-Exterior

Mechanical jack with tools

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[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Safety-Interior

Airbags, driver and front passenger frontal, seat-mounted side-impact first row outboard, seat-mounted side-impact inboard driver, and roof rail-mounted for all outboard seating positions and Passenger Sensing System for front passenger (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

OnStar Services capable (See onstar.com for details and limitations. Services vary by model. Service plan required.)

OnStar Basics (OnStar Fleet Basics for Fleet) Drive confidently with core OnStar services including remote commands, built-in voice assistance, real-time traffic and navigation, and Automatic Crash Response to help if you're in need. (Requires (UE1) OnStar. OnStar Basics includes remote commands, Navigation, Voice Assistance, and Automatic Crash Response, for eligible vehicles with compatible software. OnStar Basics is standard for 8 years; OnStar plan, working electrical system, cell reception and GPS signal required. OnStar links to emergency services. Service coverage varies with conditions and location. Service availability, features and functionality vary by device and software version. See onstar.com for details and limitations.)

Teen Driver a configurable feature that lets you activate customizable vehicle settings associated with a key fob, to help encourage safe driving behavior. It can limit certain available vehicle features, and it prevents certain safety systems from being turned off. An in-vehicle report card gives you information on driving habits and helps you to continue to coach your new driver

Rear Park Assist

HD Rear Vision Camera

Blind Zone Steering Assist

Lane Keep Assist with Lane Departure Warning, enhanced

Following Distance Indicator

Forward Collision Alert

Side Bicyclist Alert

LED Reflective Windshield Collision Alert

Seat belt restraint pretensioner, rear

Seat belt, 3-point, front passenger with pretensioner and load limiter

Seat belt, 3-point, driver with pretensioner and load limiter

Seat belts, all rows 3-point with pretensioners, driver and front passenger height-adjustable

Seat belt indicator, second row

Seat belt indicator, third row

Buckle to Drive prevents vehicle from being shifted out of Park until driver seat belt is fastened; times out after 20 seconds and encourages seat belt use, can be turned on and off in Settings menu

LATCH system (Lower Anchors and Tethers for CHildren), for child restraints seats

Display, automatic occupant sensing

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[Fleet] 2026 Chevrolet Traverse (1LB56) 4dr AWD LT (4) (Complete)

Safety-Interior

Passenger Sensing System sensor indicator inflatable restraint, front passenger/child presence detector (Always use seat belts and child restraints. Children are safer when properly secured in a rear seat in the appropriate child restraint. See the Owner's Manual for more information.)

Safety Alert Seat

Tire Pressure Monitor System, auto learn

WARRANTY

Warranty Note: <<< Preliminary 2026 Warranty >>>
Basic Years: 3
Basic Miles/km: 36,000
Drivetrain Years: 5
Drivetrain Miles/km: 60,000
Drivetrain Note: Certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Corrosion Years (Rust-Through): 6
Corrosion Years: 3
Corrosion Miles/km (Rust-Through): 100,000
Corrosion Miles/km: 36,000
Roadside Assistance Years: 5
Roadside Assistance Miles/km: 60,000
Roadside Assistance Note: Certain commercial, government, and qualified fleet vehicles: 5 years/100,000 miles
Maintenance Note: First Visit: 12 Months/12,000 Miles

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Livonia Police Department

Departmental Correspondence

Date: February 27, 2026

To: Capt. Tyree through Channels

Submitted by / Dept.: Hoskin / Adminstration

Subject: ☒ Request for Purchase Order ☐ Request for Payment (invoice must be attached)

☐ Confirming Order (prior Admin. approval required)

Recommended Vendor/Address (if known): Lunghamer Ford of Owosso LLC
1960 E. Main Street
Owosso, MI. 48867
Bill Campbell

Approvals: Name/ Title: Capt. Marcotte Name/ Title:

Administrative Approval (Capt. Tyree): Capt W Tyree

Account Number (LEAVE BLANK): 101.325.985.000

Sole Source? ☐ N/A ☐ Yes ☒ No

Council Resolution # (over $20,000):

Item / Description / Order Number	Cost each	Quantity	Total Cost
Police Interceptor Utility All Wheel Drive, Code: K8A/500A	47965.00	3	$143,895.00
Agate Black, Code: UM	0.00	3	0.00
Spot Lamp-Dual, Code: 51S	790.00	3	2370.00
1/4 Size Picture in Picture, Code: 87M	0.00	3	0.00
Rear Door Handles Inop / locks / Rear Windows, Code: 68G	80.00	3	240.00
Lock System, Code: 59D	50.00	3	150.00
Global Lock / Unlock feature, Code: 18D	0.00	3	0.00
Tail Lamp Solution, Code: 66B	430.00	3	1290.00
			0.00
Subtotal			$147,945.00
Shipping & Handling (Enter S&H on page 2 if a second page is required, otherwise, enter S&H in "Cost each" column.)			$0.00
TOTAL			$147,945.00

Three quotes attached if over $3,000 ☐ Yes ☑ No ☐ N/A If no, why?

SOM MiDeal Pricing

Other information / instructions: Contract #: 240000001208

Submitted by (signature):

☐ If checked, please send copies to requestor.

Item / Description / Order Number	Cost each	Quantity	Total Cost
SUBTOTAL FROM PRIOR PAGE			$147,945.00
			0.00
			0.00
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			0.00
			0.00
			0.00
			0.00
Subtotal			$147,945.00
Shipping & Handling (enter in "Cost Each" column)			$0.00
TOTAL			$147,945.00

Please contact Computers at x2020 if you have any trouble with this form.

State of Michigan
2026 Utility Police Interceptor
Major Standard Equipment

MECHANICAL
- Axle Ratio – 3.73 (AWD)
- Brakes – 4-Wheel Heavy-Duty Disc w/H.D. Front and Rear Calipers
- Class III Trailer Hitch Receiver with 5,000 lbs. towing capacity and (2) recovery hooks Note: Includes Class III Trailer Tow Lighting Package
- Column Shifter
- DC/DC converter – 220-Amp (in lieu of alternator)
- Drivetrain – All-Wheel-Drive
- Electric Power-Assist Steering (EPAS) – Heavy-Duty
- Engine – 3.3L V6 Direct-Injection FFV
- Engine Hour Idle Meter
- Engine Hour Meter
- Engine Oil Cooler
- Fuel Tank – 19-gallons
- H8 AGM Battery (850CCA/92-amp)
- Lithium-Ion Battery Pack
- Manual Police Pursuit Mode (Steering Wheel Switch Execution)
- Suspension – independent front & rear
- Transmission – 10-speed automatic
- Transmission Oil Cooler

EXTERIOR
- Antenna, Roof-mounted
- Cladding – Lower bodyside cladding (MIC)
- Door Handles – Black (MIC)
- Exhaust, True Dual (down-turned)
- Daytime Running Lamps – Configurable ON/OFF through instrument cluster Note: Select option (942) if desire is to have Daytime Running Lamps permanently on (cannot be turned off or reprogrammed)
- Door-Lock Cylinders (Front Driver / Passenger / Liftgate)
- Glass – 2 nd Row, Rear Quarter and Liftgate Privacy Glass
- Grille – Black (MIC)
- Headlamps – Automatic, LED Low-and-High-Beam Note: Includes Front Headlamp / Police Interceptor Housing (with LED wig-wag feature)

— Pre-drilled hole for side marker police use, does not include LED strobe, but includes LED wig-wag functionality (eliminates need to drill housing assemblies and provides LED wig-wag feature)
— Pre-molded side warning LED holes with standard sealed capability (does not include LED installed lights)
— Wig-wag default is traditional ping-pong pattern; can be programmed to triple-burst pattern or ping-pong / triple-burst Note: Must be wired to vehicle's light controller to enable wig-wag functionality; recommend Ready for the Road Package (67H) or Ultimate Wiring Package (67U)
- Liftgate – Manual 1-Piece – Fixed Glass w/Door-Lock Cylinder
- Mirrors – Black Caps (MIC), Dual Pwr/Heated/Manual Fold Back Mirror
- Spare – Full size 18" Tire w/TPMS
- Spoiler – Painted Black
- Liftgate Handle – (MIC)
- Tail lamps – LED
- Tail Lamp Prep Kit
- Tires – 255/60R18 A/S BSW
- Wheel-Lip Molding – Black (MIC)
- Wheels – 18" x 8.0 painted black steel with polished stainless steel hub cover
- Windshield – Acoustic Laminated

INTERIOR/COMFORT
- Cargo Hooks in cargo area
- Climate Control – Dual-Zone Electronic Automatic Temperature Control (DEATC)
- Climate Control – Rear Aux A/C System
- Dark Car
- Door-Locks

— Power
— Rear-Door Handles and Locks Operable
- Fixed Pedals (Driver Dead Pedal)
- Floor – Flooring – Heavy-Duty Thermoplastic Elastomer
- Glove Box – Locking/non-illuminated
- Grab Handles – (1 – Front-passenger side, 2-Rear)
- Heated Sanitization Solution
- Liftgate Release Switch located in overhead console (45 second timeout feature)
- Lighting

— Overhead Console
— Red/White Task Lighting in Overhead Console
- Mirror – Day/night Rear View
- Particulate Air Filter
- Powerpoints – (2) USB A+C Type Ports
- Rear-door closeout panels
- Rear-window Defrost
- Scuff Plates – Front & Rear
- Seats

— 1 st Row Police Grade Cloth Trim, Dual Front Buckets with reduced bolsters
— 1 st Row – Driver 6-way Power track (fore/aft. Up/down, tilt with manual recline, 2-way power lumbar)
— 1 st Row – Passenger 4-way Power track with 2-way power recline and 2-way power lumbar
— Built-in steel intrusion plates in both driver/passenger seatbacks
— 2 nd Row Vinyl, 35/30/35 Split Bench Seat (manual fold-flat, no tumble) – fixed seat track
- Red and White Dome Lamp in Cargo Area
- Speed (Cruise) Control
- Speedometer – New 12.3» Display Calibrated (includes digital readout)
- Steering Wheel – Manual / Tilt / Telescoping, Urethane wheel finish w/Silver Painted Bezels with Speed Controls and 4 user – configurable latching switches
- Sun visors, color-keyed, non-illuminated
- Universal Top Tray – Center of I/P for mounting aftermarket equipment
- Windows, Power, 1-touch Up/Down Front Driver/Passenger-Side with disable feature

SAFETY/SECURITY
- AdvanceTrac® w/RSC® (Roll Stability Control®)
- Airbags, dual-stage driver & front-passenger, side seat, passenger-side knee, Roll Curtain Airbags and Safety Canopy®
- Anti-Lock Brakes (ABS) with Traction Control
- BLIS® – Blind Spot Monitoring with Cross-traffic Alert
- Brakes – Police calibrated high-performance regenerative braking system
- Belt-Minder® (Front Driver / Passenger)
- Cross Traffic Brake Assist (HNYAC)
- Child-Safety Locks (capped; set to "on")
- Individual Tire Pressure Monitoring System (TPMS)
- LATCH (Lower Anchors and Tethers for Children) system on rear outboard seat locations
- Police Perimeter Alert detects motion in an approximately 270-degree radius on sides and back of vehicle; if movement is determined to be a threat, chime will sound at level I. Doors will lock and windows will automatically go up at level II. Includes visual display in instrument cluster with tracking.
- Pre-Collision Mitigation system Note: Includes unique one-touch temporary disable switch for Law Enforcement use
- Rearview Camera viewable on 8" Center Stack Screen
- 1/4 Scale Rear Camera Display (Available)
- Reverse Sensing System
- Seat Belts, Pretensioner/Energy-Management System w/adjustable height in 1st Row
- SOS Post-Crash Alert System™

FUNCTIONAL
- 100 Watt Siren/Speaker Prep Kit
- Cellular Remote Start
- Compass Display
- Speed Control
- Audio

— AM/FM / MP3 Capable / Clock / 4-speakers
— SYNC® Phoenix
— Includes hands-free voice command support (compatible with most Bluetooth connected mobile devices)
— USB Port — (1)
— 8" Color LCD Screen Center-Stack "Smart Display
— Supports Android Auto and Apple CarPlay
- UIS (Upfitter Interface System) Located behind 2nd row passenger seat floorboard
- Easy Fuel® Capless Fuel-Filler
- Fleet Telematics Modem
- Front door tether straps (driver/passenger)
- PAITRO output tied to liftgae release switch (Police Accessory Independent Timed-Release Output)
- Police Engine Idle
- Power pigtail harness
- Simple Fleet Key (w/o microchip, easy to replace; 4-keys)
- Keyless Entry – Key FOB Only (Less PATS) – Includes 4 fobs
- Two-way radio pre-wire
- Two (2) 50 – amp battery power circuits – power distribution junction block (behind 2nd row passenger seat floorboard)
- Wipers – Front Speed-Sensitive Intermittent; Rear Dual Speed Wiper

WARRANTY
- 3 Year / 36,000 Miles Bumper / Bumper
- 8 Year / 100,000 Miles Hybrid Unique Components

POWERTRAIN CARE EXTENDED SERVICE PLAN
- 5-year/100,000-mile Powertrain CARE Extended Service Plan (zero deductible) – Standard

Police Interceptor Utility Base Prices

[ ] **Utility All Wheel Drive** (3.3L V6 Direct-Injection FFV, 136 MPH, 99B/44U) **K8A/500A** **$44,991.00**
[ ] **Utility All Wheel Drive** (3.3L V6 Direct-Injection Hybrid Eng., 136 MPH, 99W/44B) **K8A/500A** **$44,991.00**
[X] **Utility All Wheel Drive** (3.0L V6 EcoBoost, 148 MPH, 99C/44U) **K8A/500A** **$47,965.00**

VEHICLE COLOR: Order Code		Interior Trim Color Charcoal Black (9W)
Dark Blue	[LK]	[ ]
Royal Blue	[LM]	[ ]
Vermillion Red	[E4}	[ ]
Silver Grey Metallic	[TN]	[ ]
Agate Black	[UM]	[X]
Oxford White	[YZ]	[ ]
Sterling Grey Metallic	[UJ]	[ ]
Carbonized Grey	[M7]	[ ]
Arizona Beige Metallic Clearcoat	[E3]	[ ]
Light Blue Metallic	[LN]	[ ]
Kodiak Brown Metallic	[J1]	[ ]
Police Green	[F1]	[ ]

INTERCEPTOR OPTIONAL FEATURES:

	Code	$Cost
Flooring/Seats		
[ ] 1st and 2nd row carpet floor covering	16C	150.00
[ ] 2nd Row Cloth Seats	FW	70.00
[ ] Rear Console Plate (Not available with Interior Upgrade Pkg – 65U)	85R	60.00
[ ] Interior Upgrade Package	**65U**	**610.00**

- 1st and 2nd Row Carpet Floor Covering
- Cloth Seats – Rear
- Center Floor Console less shifter w/unique Police console finish plate
- Includes Console and Top Plate with 2 cup holders
- Floor Mats, front and rear (carpeted)
- 18" Aluminum Wheel
- Selectable Sport Mode
- High Series Headlamp with LED Corner Warning Lights
- Includes SYNC® Phoenix

Note: Not available with EcoBoost Powertrain (99C/44U), Ready for the Road (67H), Ultimate Wiring Package (67U), and Side Marker LED (63B)

Lamps/Lighting		
[ ] Side Marker LED – Sideview Mirrors (Red / Blue)	63B	490.00
[ ] Rear Quarter Glass Side Marker Lights (Red/Blue)	63L	580.00
[ ] Front Warning Auxiliary Light (Driver side – Red / Passenger side – Blue)	21L	580.00
[ ] Rear Auxiliary Liftgate Lights (Red/Blue LED Lights; located beneath liftgate glass in applique panel)	43A	400.00
[ ] Rear Spoiler Traffic Warning Light	96T	1500.00
[ ] Spot Lamp – Driver Only (LED Bulbs) (Unity)	51R	400.00
[ ] Spot Lamp – Driver Only (LED Bulbs) (Whelen)	51T	420.00
[X] Spot Lamp – Dual (driver and passenger) (LED Bulbs) (Unity)	51S	790.00
[ ] Spot Lamp – Dual (driver and passenger) (LED Bulbs) (Whelen)	51V	880.00
Body		
[ ] Glass – Solar Tint 2nd and 3rd Row (Deletes Privacy Glass)	92G	120.00
[ ] Glass – Solar Tint 2nd Row (Privacy Glass on Rear Quarter and Liftgate Window)	92R	90.00
[ ] Deflector Plate	76D	340.00
Wheels		
[ ] Wheel Covers (18" Full Face Wheel Cover)	65L	70.00
[ ] 18" Painted Aluminum Wheel	64E	475.00
Misc		
[ ] Engine Block Heater	41H	190.00
[ ] License Plate Bracket – Front	153	N/C
[ ] Badge Delete (Police Interceptor Badge Only)	16D	N/C
[ ] 100 Watt Siren/Speaker (includes bracket and pigtail)	18X	350.00

Misc. Continued

[ ]	Noise Suppression Bonds (Ground Straps)	60R	100.00
[ ]	Rear Bumper Step Pad	16P	100.00

Audio/Video

[ ]	**12.1" Integrated Computer Screen** • Includes 12.1" touchscreen display in center stack and allows for operation of laptop in remote location to free up cabin space in front passenger area • Includes Audio Video Extender (AVX) box, (2) AVX cables, (2) USB cables and (1) HDMI cable • Includes SYNC Phoenix ®	**47E**	**3700.00**
[X]	¼ Size Picture in Picture (8" Rear Camera Image in upper lefthand quadrant of display). **Not available** with Integrated Computer Screen (47E)	87M	N/C

Doors/Windows

[X]	**Global Lock / Unlock feature (Door-panel switches will lock/unlock all doors and rear liftgate. Eliminates the overhead console liftgate unlock switch)** ******* OLD STYLE REAR HATCH LOCK / UNLOCK *********	**18D**	**N/C**
[ ]	Hidden Door Lock Plunger, Rear Door Handle and Rear Windows Inoperable	52P	160.00
[X]	Rear Door Handles Inoperable/Locks Inoperable and Rear Windows Inop.	68G	80.00
[ ]	Lock system; Single Key/All Vehicles Keyed Alike	59__	50.00

Keyed Alike 1284x= **59B** Keyed Alike 1294x= **59C** Keyed Alike 0135x= **59D**
Keyed Alike 1435x= **59E** Keyed Alike 0576x= **59F** Keyed Alike 0151x= **59G**
Keyed Alike 1111x= **59J**

Safety & Security

[ ]	Ballistic Door Panels – Driver Front Door Only (Level 3+)	90D	1590.00
[ ]	Ballistic Door Panels – Driver & Pass Front Doors (Level 3+)	90E	3170.00
[ ]	Ballistic Door Panels – Driver Front Door Only (Level 4+)	90F	2420.00
[ ]	Ballistic Door Panels – Driver & Pass Front Doors (Level 4+)	90G	4830.00
[ ]	Extra Key $20.00x___=	Parts	20.00 ea
[ ]	Remote Starter	Parts	550.00
[ ]	Gun Vault	63V	270.00
[ ]	**Front Headlamp Lighting Solution** • Includes LED Low beam/High beam headlamp, Wig-wag function and (2) Red/Blue/White LED side warning lights in each headlamp (factory configured: driver's side White/Red / passenger side White/Blue) • Includes pre-wire for grille LED lights, siren and speaker (60A) • Wiring, LED lights included (in headlamps only; grille lights not included). Controller "not" included **Note: Included with Ready for the Road (67H)** **Note: Recommend using Ultimate Wiring Package (67U)** **Note: Included with Police Upgrade Package (65U)**	**66A**	**900.00**
[X]	**Tail Lamp Lighting Solution** • Includes LED Tail Lamp Wig-Wag Module • LED lights only. Wiring, controller "not" included **Note: Included with Ready for the Road (67H)** **Note: Recommend using Ultimate Wiring Package (67U**	**66B**	**430.00**
[ ]	**Rear Lighting Solution** • Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / passenger side blue) mounted to inside liftgate glass • Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / Passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open) • LED lights only. Wiring, controller "not" included **Note: Included with Ready for the Road (67H)** **Note: LED lights only – does "not" include wiring or controller**	**66C**	**460.00**
[ ]	**Ultimate Wiring Package** • Rear console mounting plate (85R) – contours through 2nd row; channel for wiring • Pre-wiring for grille LED lights, siren and speaker (60A) • Wiring harness I/P to rear cargo area (overlay) – Two (2) light cables – supports up to six (6) LED lights (engine compartment/grille) – One (1) 10-amp siren/speaker circuit engine compartment • Rear hatch/cargo area wiring – supports up to six (6) rear LED lights • Does "not" include LED lights, side connectors or controller **Note: Recommend Police Wire Harness Connector Kit 67V** **Note: Not available with options: 65U, 67H**	**67U**	**640.00**

[ ] **Police Wire Harness Connector Kit – Front/Rear** 67V 200.00

For connectivity to Ford PI Package solutions includes:

- **Front**
  - (2) Male 4-pin connectors for siren
  - (5) Female 4-pin connectors for lighting/siren/speaker
  - (1) 4-pin IP connector for speakers
  - (1) 4-pin IP connector for siren controller connectivity
  - (1) 8-pin sealed connector
  - (1) 14-pin IP connector
- **Rear**
  - (2) Male 4-pin connectors for siren
  - (5) Female 4-pin connectors for lighting/siren/speaker
  - (1) 4-pin IP connector for speakers
  - (1) 4-pin IP connector for siren controller connectivity
  - (1) 8-pin sealed connector

[ ] **Ready for the Road Package All-in Complete Package** 67H 4050.00

All-in Complete Package – Includes Police Interceptor Packages: 66A, 66B, 66C, plus

- Whelen Cencom Light Controller Head with dimmable backlight
- Whelen Cencom Relay Center / Siren / Amp w/Traffic Advisor control (mounted behind 2nd row seat)
- Light Controller / Relay Cencom Wiring (wiring harness) w/additional input/output pigtails
- High current pigtail
- Whelen Specific WECAN Cable (console to cargo area) connects Cencom to Control Head
- Pre-wiring for grille LED lights, siren and speaker (60A)
- Rear console plate (85R) – contours through 2nd row; channel for wiring
- Grille linear LED Lights (Red / Blue) and harness
- 100-Watt Siren / Speaker
- Hidden Door-Lock Plunger w/Rear-door controls inoperable (locks, handles and windows) (52P)

Note: Not available with options: 66A, 66B, 66C, 67U and 65U

Extended Service Plan Option ($0.00 Deductible) 100,000 Mile Coverage

[ ] **5-Year Premium Care Warranty (500 Plus Components Coverage)** 3350.00

Total Price $ 49315 **ea**

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

11. REQUEST TO AUTHORIZE A PARTICIPATION AGREEMENT AND CONTINUE MEMBERSHIP WITH COURTS AND LAW ENFORCEMENT MANAGEMENT SYSTEM (CLEMIS) AUTHORITY: for the continuity of existing services under the new governance structure.

William Tyree, Police Captain, stated the Police Department has been part of CLEMIS for about thirty years, a new agreement is required, and would like to continue the relationship with CLEMIS.

Motion was made by Vice President Brockway to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

NEW DATA RECEIVED FOR THE
STUDY MEETING OF MAY 18, 2026

PARTICIPATION AGREEMENT

Courts and Law Enforcement Management Information System (CLEMIS) Authority

By execution of this Participation Agreement by the Participant and the CLEMIS Authority, the Participant, Oakland County, the Initial Participants, and each other Participant under the CLEMIS Interlocal Agreement enter into an agreement incorporating the Interlocal Agreement initially between Oakland County, the Charter Township of Bloomfield, and the Charter Township of White Lake creating the Courts and Law Enforcement Management Information System (CLEMIS) Authority by this reference (available at https://www.clemisauthority.org/forms/). A reference copy of the CLEMIS Interlocal Agreement must be attached. This Participation Agreement also includes the contents of this cover page and incorporates the CLEMIS Main Services Agreement. Capitalized terms used but not defined in this agreement are as defined in the CLEMIS Interlocal Agreement.

PARTICIPANT	
Full Legal Name: **Notice Address:** (choose Delivery Address or both Delivery Address and Email)	☐ Delivery Address: ☐ Email:

ATTACHMENTS *(attach)*	
The following attachments are included with this agreement.	
Authorizing Resolution	☐ An authorizing resolution in substantially the form as provided in exhibit B of the CLEMIS Interlocal Agreement has been adopted by the governing body of the Participant and a copy is attached.
CLEMIS Main Services Agreement	☐ A copy of the CLEMIS MSA is attached.
CLEMIS Interlocal Agreement	☐ A copy of the CLEMIS Interlocal Agreement is attached.

SIGNATURES

Each party is signing this Participation Agreement on the date stated below that party's signature. The date of this Participation Agreement and the Main Services Agreement will be the date this Participation Agreement is signed by the last party to sign it (as indicated by the date associated with that party's signature).

Participant:	**Authority:**
[PUBLIC AGENCY NAME]	COURTS AND LAW ENFORCEMENT MANAGEMENT INFORMATION SYSTEM (CLEMIS) AUTHORITY
By: _____	By: _____
Name: _____	Name: _____ Executive Director
Title: _____	
Date: _____	Date: _____

MAIN SERVICES AGREEMENT

This Main Services Agreement ("**MSA**") contains the standardized terms for the provision of services by the Authority to the Public Agency. This MSA and each Order Form constitute the agreement between the Authority and the Public Agency (this "**Agreement**"). Capitalized terms are defined in context or in Section 1.

1 Definitions

(a) For purposes of this Agreement, the following definitions apply:

(1) "**Acceptable Use Policy**" means the Acceptable Use Policy made available through the Authority website, as it may be amended from time to time.

(2) "**Agreement**" is defined in the preamble.

(3) "**Authority**" means the Courts and Law Enforcement Management Information System (CLEMIS) Authority created as a public body corporate and politic under the Interlocal Agreement.

(4) "**Business Day**" means a day that is not a Saturday, Sunday, or a state public holiday under 1865 PA 124, as amended, MCL 435.101 to 435.103.

(5) "**Confidential Information**" means information disclosed by or on behalf of one party (as discloser) to the other party (as recipient) under this Agreement, in any form, which: (A) the discloser identifies to recipient as "confidential" or "proprietary"; or (B) should be reasonably understood as confidential or proprietary due to its nature and the circumstances of its disclosure. The Authority's Confidential Information includes technical or performance information about the Service, and the Public Agency's Confidential Information includes Public Agency Data. Confidential Information does not include information subject to disclosure under the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231 to 15.246 ("**FOIA**").

(6) "**Documentation**" means the Authority's usage documentation for the Service. This documentation may include terms and conditions, including pricing or payment terms, that are specific to particular functionality in the Service.

(7) "**DPA**" is defined in Section 4(c).

(8) "**Effective Date**" means the effective date of the first Order Form executed by the Public Agency.

(9) "**Interlocal Agreement**" means the Interlocal Agreement, filed with the Office of the Great Seal on October 23, 2025, and any amendments thereto, between the County of Oakland, the Charter Township of Bloomfield, the Charter Township of White Lake, and any subsequent Participants thereunder.

(10) **"Law"** means all laws, regulations, executive orders, rules, court orders, or other binding requirements of a government authority that apply to a party.

(11) **"Order Form"** means a Public Agency Order Form related to the provision of the Service, Support, or Professional Services.

(12) **"Personal Data"** means Public Agency Data relating to an identified or identifiable natural individual.

(13) **"Points of Contact"** means the individuals designated by the Public Agency as a primary contact and a secondary contact for the Public Agency.

(14) **"Professional Services"** means system setup, configuration, training, data migration, or other professional services that the Authority furnishes to the Public Agency related to the Service.

(15) **"Public Agency"** means the legal entity that executes an Order Form.

(16) **"Public Agency Data"** means any data, contents, or information that the Public Agency (including its Users and Technology Partners) submits to its Service accounts or generates by or through the Service. "Public Agency Data" includes, but is not limited to, public safety data.

(17) **"Public Agency Materials"** means materials and resources that the Public Agency makes available to the Authority in connection with Professional Services.

(18) **"Security Measures"** means that term as defined in the Security Measures made available through the Authority website.

(19) **"Service"** means the service provided by the Authority for the exchange and access to public safety software data, as described in more detail in this Agreement and the Documentation.

(20) **"Statement of Work"** means a statement of work for Professional Services that is executed by the parties.

(21) **"Support"** means support for the Service as described in Section 5.

(22) **"Support Policy"** means the support policy made available through the Authority website.

(23) **"Suspension Event"** is defined in Section 12.

(24) **"Taxes"** is defined in Section 11(g).

(25) **"Technology Partner"** means a third-party technology vendor to the Public Agency that has been identified in an Order Form (or otherwise in writing by the Public Agency) to be authorized, in accordance with this Agreement, to submit data to or receive data from the Service on the Public Agency's behalf.

(26) **"Term"** means the term for the Public Agency's use of the Service as identified in an Order Form.

(27) **"Trials and Betas"** mean access to the Service (or Service features) on a free, trial, beta, or early access basis.

(28) **"Usage Data"** means the Authority's technical logs, data, and learnings about a Public Agency's use of the Service, excluding Public Agency Data.

(29) **"User"** means an employee or contractor of the Public Agency that the Public Agency allows to use the Service.

(30) **"Virus"** means viruses, malicious code, malware, or similar harmful materials.

(b) Capitalized terms not defined in this Agreement shall have the meaning prescribed to them in the Interlocal Agreement.

2 **Service**

(a) **Data Sharing.** As specified in an Order Form, the Public Agency will upload Public Agency Data into the Service, including by means of a Technology Partner product. The Public Agency hereby authorizes the sharing of Public Agency Data with other public agencies that use the Service, subject to the terms of this Agreement and the Order Form.

(b) **Data Access.** Subject to this Agreement, the Public Agency may authorize Users within its organization to access and use the Service for governmental and public safety purposes during the Term. The Public Agency's access rights include the right to permit Users within the Public Agency's organization to access the Service in accordance with the terms of applicable Order Forms. The Public Agency shall comply with the Documentation and applicable policies in accessing and using the Service.

(c) **Technology Partners.** As specified in the applicable Order Form, Public Agency Data may be provided to or received from a Technology Partner through an integration with the Service. The Public Agency's use of a Technology Partner product is governed by the Public Agency's agreement with the Technology Partner, and the Authority is not responsible or liable for the performance of Technology Partner products, including their use of Public Agency Data.

3 **Users**

The Public Agency may permit Users to use the Service on its behalf. Users must be employees or contractors of the Public Agency. The Public Agency is responsible for provisioning and managing its User accounts, for its Users' actions through the Service and for their compliance with this Agreement. The Public Agency shall ensure that Users keep their login credentials confidential, and the Public Agency shall promptly notify the Authority upon learning of any compromise of User accounts or credentials.

4 **Data**

(a) Subject to this Agreement, the Authority will access and use Public Agency Data only to: (1) provide and maintain the Service, Support, and Professional Services under this Agreement; and (2) provide certain Public Agency Data to a third party

(*e.g.*, an insurance company) as has been specifically approved in writing by the Public Agency, in an Order Form or otherwise.

(b) The Authority shall implement and maintain the Security Measures. The Public Agency shall not submit to the Service any data controlled under the United States International Traffic in Arms regulations.

(c) The parties shall adhere to any Data Processing Addendum ("**DPA**") identified on an Order Form.

(d) The Authority may collect Usage Data and use it to operate, improve, and support the Service and for other lawful governmental or public safety purposes, including benchmarking and reports. However, except as otherwise required by applicable law, the Authority shall not disclose Usage Data externally unless it is: (1) deidentified so that the Usage Data does not identify the Public Agency, its Users, or any other person; and (2) aggregated with data across other participants.

(e) The Public Agency is the owner of all Public Agency Data and is required to provide Public Agency Data in a format agreed by the parties and as required by applicable Law. The Public Agency is responsible for ensuring the accuracy and currency of its Public Agency Data. Except as otherwise provided in this Agreement, the Public Agency shall have access to Public Agency Data at all times.

(f) During a Term, the Public Agency may create reports of its Public Agency Data from the Service (or the Authority will otherwise make the Public Agency Data available to the Public Agency) as described in the Documentation.

(g) The Authority will not store credit card account numbers and associated security information. Credit card data will be handled by a credit card data processor, subject to its terms, conditions, and policies.

(h) The Authority shall comply with FOIA. However, pursuant to Section 5(9) of FOIA, 1976 PA 442, as amended, MCL 15.235(9), the Authority is not considered to be in possession of, retain, or be the custodian of a public record stored on behalf of the Public Agency. If the Authority receives a written request for a public record that is stored on behalf of the Public Agency, the Authority shall, within ten (10) business days after receipt of the request, give written notice to the requesting person identifying the Public Agency and stating that the requesting person must submit the request to the Public Agency.

(i) Pursuant to the Enhanced Access to Public Records Act, 1996 PA 462, as amended, MCL 15.441 to MCL 15.445 (the "**EAPRA**"), the Authority may make Public Agency Data immediately available for public inspection, purchase, or copying by digital means. As a condition to the Authority providing enhanced access under the EAPRA, the Public Agency must first identify the Public Agency Data subject to the EAPRA and adopt an enhanced access policy that complies with the EAPRA. The Public Agency is responsible for ensuring that the fees for providing enhanced access that appear on the fee schedule maintained by the Authority pursuant to Section 11(b) of this MSA do not exceed a "reasonable fee" as that term is defined in the EAPRA, or that the Public Agency has established different reasonable fees in an Order Form.

5 **Support**

(a) The Authority shall provide Support for the Service as described in the Support Policy.

6 **Statements**

(a) Each party states the following:

(1) that it has the legal power and authority to enter into this Agreement;

(2) that it will use industry-standard measures to avoid introducing Viruses into the Service; and

(3) that it is not listed on any United States government list of prohibited or restricted parties.

(b) The Public Agency states it is the owner of Public Agency Data, has the right to provide Public Agency Data with the Service, and grants the Authority the right to use Public Agency Data specified in this Agreement, without violating nonparty intellectual property, privacy, or other rights.

(c) The Authority states the following:

(1) THE SERVICE IS PROVIDED ON AN "AS IS" AND "AS AVAILABLE" BASIS. THE AUTHORITY EXPRESSLY DISCLAIMS ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT.

(2) The Authority makes no warranty that: (i) the Service will meet the Public Agency's requirements; (ii) the Service will be uninterrupted, timely, secure, or error-free; or (iii) the results that may be obtained by the Service will be accurate or reliable.

(3) Any material or data downloaded or otherwise obtained through the use of the Service is accessed at the Public Agency's discretion and risk. The Public Agency will be solely responsible for any damage to its computer system or loss of data that results from the downloading of any material.

7 **Usage**

(a) The Public Agency shall comply with the Acceptable Use Policy and the Documentation.

(b) Except as explicitly permitted in this Agreement, the Public Agency shall not and shall not permit others to do any of the following:

(1) sell, sublicense, distribute, or rent the Service or the data from the Service (in whole or part), excluding Public Agency Data;

(2) grant non-Users access to the Service or use the Service to provide a hosted or managed service to others;

(3) reverse engineer, decompile, or seek to access the source code of the Service, except to the extent these restrictions are prohibited by Law, and then only upon advance written notice to the Authority;

(4) copy, modify, create derivative works of, or remove proprietary notices from the Service;

(5) conduct security or vulnerability tests of the Service, interfere with its operation, or circumvent its access restrictions;

(6) use the Service to develop a product that competes with the Service.

8 **Auditing**

Upon the Authority's written request, the Public Agency shall provide a signed certification: (a) verifying the Service is being used in accordance with the terms of this Agreement; and (b) listing the locations in which the Service is accessed, number of Users, and any other information reasonably requested by the Authority. The Authority may, at the Authority's expense and not more than once annually, audit the Public Agency's use of the Service and compliance with this Agreement. The audit will be conducted during business hours and will not interfere with the Public Agency's activities. The Public Agency shall provide the Authority or its auditor with all reasonable information and assistance required to enable the Authority to determine whether the Public Agency is in compliance with this Agreement. If the audit reveals that the Public Agency has underpaid fees to the Authority, the Public Agency will be invoiced for the underpaid fees based upon the Authority's price list at the time the fees would have otherwise been incurred. If the Public Agency does not pay the underpaid fees within thirty (30) days after the invoice date, the Public Agency will be charged with interest at a rate of one and one-half percent (1.5%) per month or partial month until paid. If the audit reveals that the Public Agency has underpaid fees totaling five percent (5%) or more of the fees due in any year, the Public Agency shall reimburse the Authority for all reasonable expenses associated with the audit.

9 **Professional Services**

The Authority shall perform Professional Services as described in an Order Form or Statement of Work, which may identify additional terms or milestones for the Professional Services. The Public Agency shall give the Authority access within five (5) business days to Public Agency Materials reasonably needed by the Authority for Professional Services, and the Authority shall use the Public Agency Materials only for purposes of providing Professional Services. Except as otherwise expressly stated in an Order Form or Statement of Work, the Professional Services shall not include travel or lodging expenses. The Public Agency may use code or other deliverables that the Authority provides as part of Professional Services only in connection with the Public Agency's authorized use of the Service under this Agreement.

10 **Purchase of Third Party Products**

The Authority may from time to time facilitate the purchase by the Public Agency of third party products. The Authority's role will be limited to facilitating payment and the execution by the Public Agency of the applicable agreement with the third party product

vendor. The Authority will not be a party to this agreement with the third party product vendor, and will not have any responsibility or liability related to the performance of the third party product.

11 **Fees; Payment**

(a) **Authorized Representatives.** The Public Agency shall provide the Authority with current written authorization identifying representatives who are authorized to execute Order Forms, including any limitations on their authority. The Public Agency shall promptly notify the Authority of any changes to authorized representatives. The Authority may rely on such written authorizations until notified of changes.

(b) **Fee Schedules and Updates.** Current fee schedules shall be maintained by the Authority in a separate fee schedule document and made available through the Authority website. The Authority may update fee schedules from time to time with at least one hundred and twenty (120) days' notice, provided that the updated fee schedules shall not take effect until the next Term, consistent with this Section 11.

(c) **Payment Terms.** Unless the Order Form states otherwise, all amounts are due within sixty (60) days after the invoice date. Late payments are subject to a charge of 1.5% per month or the maximum amount allowed by Law, whichever is less. Fees and expenses are not refundable, except as expressly provided in this Agreement.

(d) **Appropriations and Budget Limitations.** All payment obligations under this Agreement and any Order Forms are subject to annual appropriation of funds by the Public Agency's governing body. If sufficient funds are not appropriated, the Public Agency may terminate the affected Order Form upon thirty (30) days' written notice to the Authority without penalty, provided that the Public Agency has made good-faith efforts to obtain necessary appropriations.

(e) **Fee Disputes.** If the Public Agency disputes an invoice, the Public Agency shall notify the Authority within the payment period, and the parties must seek to resolve the dispute over a thirty (30)-day discussion period. The Public Agency is not required to pay disputed amounts during the discussion period but will timely pay all undisputed amounts. After the discussion period, either party may pursue any available remedies.

(f) **Taxes.** Unless the Public Agency is tax-exempt, the Public Agency is responsible for any sales, use, goods and services, value-added, withholding, or similar taxes or levies that apply to its Order Forms, whether domestic or foreign ("**Taxes**"), other than any income tax payable by the Authority. Fees do not include Taxes.

12 **Suspension**

The Authority may suspend the Public Agency's access to the Service and related services due to a Suspension Event, but where practicable, the Authority shall give the Public Agency prior notice so that the Public Agency may seek to resolve the issue and avoid suspension. The Authority is not required to provide prior notice in exigent circumstances or for a suspension made to avoid material harm or violation of Law. Once a Suspension

Event is resolved, the Authority shall promptly restore the Public Agency's access to the Service in accordance with this Agreement. For purposes of this Section 12, **"Suspension Event"** means: (a) Except during fee disputes as described in Section 11(f), the Public Agency's account is thirty (30) days or more overdue; (b) the Public Agency is in breach of Section 7; or (c) the Authority believes the Public Agency's use of the Service risks material harm to the Service or others.

13 **Term; Termination**

(a) Each Term will last for an initial twelve (12)-month period unless the Order Form states otherwise. Each Term will renew for successive periods unless: (1) the parties agree on a different renewal Order Form; or (2) either party notifies the other of non-renewal at least thirty (30) days prior to the end of the current Term.

(b) This Agreement starts on the Effective Date and continues until the end of all Terms, unless sooner terminated in accordance with its terms. If no Term is in effect, either party may terminate this Agreement for any or no reason with notice to the other party.

(c) Either party may terminate the applicable Order Form (in whole or in part) or this Agreement (together with all Order Forms) if the other party does one or more of the following:

(1) is in material breach of an Order Form or this Agreement and the breach remains uncured thirty (30) or more days after notice; or

(2) ceases operation without a successor.

(d) Upon termination or cancellation of this Agreement, the Authority shall provide a copy of Public Agency Data to the Public Agency in an electronic format and time period determined by the Authority. Upon written confirmation from the Public Agency that it received its data, the Authority may delete Public Agency Data, and each party shall delete any Confidential Information of the other in its possession or control. If the Authority incurs any costs in copying Public Agency Data, the Public Agency shall be responsible for such costs and shall reimburse the Authority according to the terms of an invoice provided by the Authority. The Authority may waive these costs in its sole discretion.

(e) The Public Agency's right to use the Service, Support, and Professional Services ends upon any termination or expiration of the applicable Order Form or this Agreement, subject to this Section 13.

(f) Except where an exclusive remedy is provided, exercising a remedy under this Agreement, including termination, does not limit other remedies a party may have.

(g) Sections 1, 4, 7, 8, 11, 13, 14, and 17 through 33, will survive the termination of this Agreement.

14 **U.S. Government Public Agencies**

To the extent applicable, the Service is "commercial computer software" or a "commercial item" for purposes of Federal Acquisition Regulation (FAR) 12.212 and for

Defense Federal Acquisition Regulation Supplement (DFARS) 227.7202. Use, reproduction, release, modification, disclosure, or transfer of the Service is governed solely by the terms of this Agreement, and all other use is prohibited.

15 **Trials and Betas**

The Authority may offer optional Trials and Betas. Use of Trials and Betas is permitted only for the Public Agency's internal evaluation during the period designated by the Authority on the Order Form (or if not designated, thirty (30) days). Either party may terminate the Public Agency's use of Trials and Betas at any time for any reason. Trials and Betas may be inoperable, incomplete, or include features never released. Notwithstanding anything else in this Agreement, the Authority offers no warranty, indemnity, SLA, or Support for Trials and Betas and its liability for Trials and Betas will not exceed $1,000.

16 **Subcontractors**

(a) The Authority may use subcontractors and permit them to exercise its rights and fulfill its obligations under this Agreement, but the Authority remains responsible for their compliance with this Agreement and for the Authority's overall performance under this Agreement.

(b) Section 16(a) does not limit any additional terms for subprocessors under a Data Protection Addendum.

(c) Technology Partners are not subcontractors under this Agreement.

17 **Intellectual Property**

(a) Neither party grants the other any rights or licenses not expressly set out in this Agreement.

(b) Except for the Authority's express rights in this Agreement, as between the parties, the Public Agency retains all intellectual property and other rights in Public Agency Data and Public Agency Materials provided to the Authority.

(c) Except for the Public Agency's express rights in this Agreement, as between the parties, the Authority and its licensors retain all intellectual property and other rights in the Service, Professional Services deliverables, and related Authority technology.

(d) If the Public Agency provides the Authority feedback regarding improvement or operation of the Service, the Authority may use the feedback without restriction or obligation.

18 **Confidentiality**

(a) A party receiving Confidential Information shall:

(1) use Confidential Information only to fulfill its obligations and exercise its rights under this Agreement;

(2) not disclose Confidential Information to nonparties without the other party's prior approval, except as permitted in this Agreement;

(3) protect Confidential Information using at least the same precautions the party receiving Confidential Information uses for its own similar information, with no less than a reasonable standard of care.

(b) A party receiving Confidential Information may disclose the Confidential Information to its employees, agents, contractors, and other representatives with a legitimate need to know (including, for the Authority, any subcontractors), if the party receiving the Confidential Information remains responsible for its compliance with this Section 18 and is bound to confidentiality obligations no less protective than those included in this Section 18.

(c) Confidentiality obligations under this Section 18 do not apply to information that the party receiving the information can document: (1) is or becomes public knowledge through no fault of the recipient; (2) it rightfully knew or possessed, without confidentiality restrictions, before receipt from the disclosing party; (3) it rightfully received from a nonparty without confidentiality restrictions; or (4) it independently developed without using or referencing Confidential Information.

(d) The parties acknowledge that a breach of this Section 18 may cause substantial harm for which monetary damages are an insufficient remedy. Upon a breach of this Section 18, the party disclosing the Confidential Information may seek appropriate equitable relief, including an injunction, in addition to other remedies.

(e) A party receiving Confidential Information may disclose Confidential Information to the extent required by Law, including FOIA. If permitted by Law, the party receiving Confidential Information shall provide the party disclosing Confidential Information with reasonable advance notice of the required disclosure and reasonably cooperate, at the disclosing party's expense, to obtain confidential treatment for the Confidential Information.

19 **Liability Limitations**

(a) Except when prohibited by law, the Authority's entire liability arising out of or related to this Agreement will be subject to a cap of the amounts paid or payable by the Public Agency to the Authority under this Agreement in the twelve (12) months immediately preceding the first incident giving rise to liability.

(b) Neither party will have any liability arising out of or related to this Agreement for indirect, special, incidental, reliance, or consequential damages or damages for loss of use, lost profits, or interruption of business, even if informed of the possibility of any in advance.

20 **Mutual Compliance with Laws**

(a) Each party shall comply with all Laws that apply to its performance under this Agreement, including, but not limited to, the C.J.I.S. Policy Council Act, 1974 PA 163, as amended, MCL 28.211 to 28.216.

(b) Through this Agreement, the parties commit that they will operate all software solutions in conformance with the CJIS Security Policy (**"CJISSECPOL"**) Version 6.0 and any successor brought into effect by the Federal Bureau of Investigation

(the "**FBI**") during the term of this Agreement, but excluding draft versions of CJISSECPOL released for comment or review and similar proposed policy versions that may be released by the FBI but not finally adopted.

(c) In accordance with CJISSECPOL, certain control requirements apply to personnel with unescorted access to unencrypted criminal justice information, including the parties' personnel operating these solutions. These controls include:

(1) PS-3 (Personal Screening), mandating that the criminal justice agency using the Service conduct a fingerprint-based record check on the parties' personnel;

(2) AT-3 (Awareness and Training), mandating that the parties' personnel complete annual CJIS Security Awareness Training; and

(3) SA-9 (External System Services), mandating that the parties' personnel sign the CJIS Security Addendum.

21 **Catastrophic Event**

(a) If a Catastrophic Event prevents a party from complying with any one or more obligations under this Agreement, that inability to comply is not a breach if: (1) that party uses Reasonable Efforts to perform those obligations; (2) that party's inability to perform those obligations is not due to its failure to: (A) use Reasonable Efforts to protect itself against events or circumstances of the same type as that Catastrophic Event; or (B) develop and maintain a reasonable contingency plan to respond to events or circumstances of the same type as that Catastrophic Event; and (3) that party complies with its obligations under Section 21(b).

(b) If a Catastrophic Event occurs, the noncomplying party shall promptly notify the other party of the occurrence of that Catastrophic Event, its effect on performance, and how long the noncomplying party expects it to last. Thereafter, the noncomplying party shall update that information as reasonably necessary. During a Catastrophic Event, the noncomplying party shall use Reasonable Efforts to limit damages to the other party and to resume its performance under this Agreement.

(c) For purposes of this Section 21, the following definitions apply:

(1) "**Catastrophic Event**" means, with respect to a party, any event or circumstance, whether or not foreseeable, that was not caused by that party (other than a strike or other labor unrest that affects only that party, an increase in prices or other change in general economic conditions, a change in law, or an event or circumstance that results in that party's not having sufficient funds to comply with an obligation to pay money) and any consequences of that event or circumstance.

(2) "**Reasonable Efforts**" means, with respect to a given obligation, the efforts, consistent with the practice of other non-state governmental entities in Michigan and their vendors with respect to a Catastrophic

Event, that a reasonable person in the party's position would use to comply with that obligation as promptly as possible.

22 **Governmental Function; Immunity**

The parties performance of their obligations under this Agreement is a governmental function of providing criminal justice and public safety services to serve the public and to provide aid for persons and property. The parties intend that nothing in this Agreement be interpreted as a waiver by any party of any governmental immunity available to a party under Laws.

23 **Nonparties**

Except as expressly provided in this Agreement, this Agreement does not create for any party and is not intended to create by implication or otherwise, any direct or indirect obligation, duty, promise, benefit, right to be indemnified (such as contractually, legally, equitably, or by implication), right to be subrogated to any party's rights in this Agreement, or any other right.

24 **Non-Assignment**

No party may assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of the other party.

25 **Authority Name Changes**

The Authority may change its name from time to time as provided in Section 5.6 of the Interlocal Agreement. Any such name change shall not require amendment of this Agreement, and all references to the Authority by its former name shall be deemed to refer to the Authority as renamed.

26 **Modification; Waiver**

(a) Subject to Sections 26(d) and 26(e), no amendment of this Agreement will be effective unless it is in writing, approved by the governing body of the Authority, and signed by an authorized officer of the Public Agency.

(b) The parties may amend the quantities or other items on an Order Form by mutual written agreement.

(c) No waiver under this Agreement will be effective unless it is in writing and signed by the party granting the waiver. A waiver granted on one occasion will not operate as a waiver on other occasions.

(d) With notice to the Public Agency, the Authority may modify the Support Policy or Security Measures to reflect new features or changing practices, but the modifications must not be retroactive or materially decrease the Authority's overall obligations during a Term.

(e) An Order Form may not modify any other part of this Agreement unless the Order Form specifically identifies the provisions that it modifies.

27 **Notice**

(a) A notice or other communication under this Agreement will be effective if it is in writing and received by the party to which it is addressed. It will be deemed to have been received as follows:

(1) if a paper copy is delivered by a delivery organization that allows users to track deliveries, upon receipt as stated in the tracking system;

(2) if a paper copy is delivered by another means, when the intended recipient or a representative of the intended recipient signs for it;

(3) if it is delivered by email, when the intended recipient acknowledges by notice in accordance with this Section 27 (but without need for further acknowledgement) having received that message, except that a read receipt or an automatic reply will not constitute acknowledgement of a message for purposes of this Section 27; or

(4) if the intended recipient rejects or otherwise refuses to accept it, or if it cannot be delivered because of a change in address for which no notice was given, then upon that rejection, refusal, or inability to deliver.

(b) For a notice under this Agreement to be valid, it must be addressed using the information in the Order Form for that party or any other information stated by that party in a notice in accordance with this Section 27.

(c) If a notice addressed to a party is received after 5:00 p.m. on a Business Day at the location specified in the address for that party, or on a day that is not a Business Day at the location specified in the address for that party, then the notice will be deemed to have been received at 9:00 a.m. on the next Business Day.

28 **Points of Contact**

In addition to notice contact information, the Public Agency shall designate on the Order Form contact information for one individual to act as a primary contact person and a second individual to act as a secondary contact person for the Public Agency for communications relating to the Service and its operation and use. The Public Agency shall notify the Authority of any change in the Public Agency's primary contact person or secondary contact person by notifying the Authority pursuant to Section 27.

29 **Severability**

The parties acknowledge that if a dispute between the parties arises out of this Agreement or the subject matter of this Agreement, they would want the court to interpret this Agreement as follows:

(a) with respect to any provision that it holds to be unenforceable, by modifying that provision to the minimum extent necessary to make it enforceable or, if that modification is not permitted by law, by disregarding that provision;

(b) if an unenforceable provision is modified or disregarded in accordance with this Section 29, by holding that the rest of the Agreement will remain in effect as written;

(c) by holding that any unenforceable provision will remain as written in any circumstances other than those in which the provision is held to be unenforceable; and

(d) if modifying or disregarding the unenforceable provision would result in failure of an essential purpose of this Agreement, by holding the entire Agreement unenforceable.

30 **Electronic Signatures**

(a) If this Agreement is an Electronically Signed Document, all of the following apply:

(1) the Authority states that the intention of an individual signing on behalf of the Authority on the Electronically Signed Document is to attribute the individual's signature to the Electronically Signed Document, and that the Electronic Signature on the Electronically Signed Document is the signer's signature to the Electronically Signed Document;

(2) The Public Agency states that the intention of an individual signing on behalf of the Public Agency on the Electronically Signed Document is to attribute the individual's signature to the Electronically Signed Document, and that the Electronic Signature on the Electronically Signed Document is the signer's signature to the Electronically Signed Document;

(3) the parties acknowledge that the Electronic Signatures on all Electronically Signed Documents are legally binding; and

(4) each party hereby waives all rights to repudiate the authenticity or validity of an Electronic Signature on an Electronically Signed Document to the extent the repudiation is based in whole or in part on the fact that the signature is not in an original handwritten form using physical ink and paper.

(b) The Electronic Signatures in Global and National Commerce Act of 2000 (E-SIGN), as amended, 15 USC 7001 to 7031, or the Uniform Electronic Transactions Act, 2000 PA 305, as amended, MCL 450.831 to 450.849, or both, as applicable, govern an Electronic Signature on this Agreement. The Uniform Computer Information Transactions Act (UCITA) does not govern an Electronic Signature on this Agreement.

(c) For purposes of this Section 30, the following definitions apply:

(1) **"Electronic Signature"** means any form of signature provided on behalf of a party other than an original handwritten signature, including any type of image created in any manner (whether electronically or otherwise), which image could reasonably be interpreted as an indication of the signer's intent to sign the document.

(2) **"Electronically Signed Document"** means any document received by a party in connection with this Agreement, or the correction or amendment of any such document, to which an Electronic Signature is affixed, attached, or otherwise logically associated.

31 **Governing Law**

Michigan law governs this Agreement.

32 **Jurisdiction and Venue**

Except as otherwise required by law or court rule, as the exclusive means of bringing an adversarial proceeding to resolve any dispute arising out of this Agreement or the subject matter of this Agreement, a party may bring the proceeding in the courts of the State of Michigan.

33 **Entire Agreement**

This Agreement is the entire understanding between the parties with respect to the subject matter of this Agreement and supersedes all other agreements, whether oral or written, between the parties.

4916-4051-6262.1

CLEMIS

INTERLOCAL AGREEMENT

This interlocal agreement is between OAKLAND COUNTY, a Michigan body corporate organized under 1973 PA 139, as amended, MCL 45.551 to 45.573 (the "**County**"), the CHARTER TOWNSHIP OF BLOOMFIELD, a Michigan body corporate organized under The Charter Township Act, 1947 PA 359, as amended, MCL 42.1 to 42.34 ("**Bloomfield Township**"), the CHARTER TOWNSHIP OF WHITE LAKE, a Michigan body corporate organized under The Charter Township Act, 1947 PA 359, as amended, MCL 42.1 to 42.34 ("**White Lake Township**"), and each other "**Public Agency**" (as defined in section 1.1(a)(35)) that becomes a "**Participant**" (as defined in section 1.1(a)(29)) pursuant to this agreement.

In 1968, the County created an information system for courts and law enforcement (the "**CLEMIS System**") (as defined in section 1.1(a)(13)) to address the inability of criminal justice and public safety agencies to electronically share data in a timely manner.

Since its creation, the CLEMIS System, which is operated and maintained by the County's Department of Information Technology, has expanded to become a multi-faceted, regional public safety information management system used by the County and many other Public Agencies. The CLEMIS System is composed of several software applications.

The purpose of the CLEMIS System is to provide innovative technology and related services to criminal justice and public safety agencies to enable the sharing of data and the improved delivery of criminal justice and public safety services. Public Agencies using the CLEMIS System have realized lower costs and efficiencies in providing criminal justice and public safety services, thereby providing first responders additional time to serve and protect residents.

The County has the power, privilege, and authority under Michigan law to provide criminal justice and public safety services.

Bloomfield Township, White Lake Township, and each Participant also each have the power, privilege, and authority to provide criminal justice and public safety services.

Section 28 of article 7 of the Michigan Constitution of 1963 and the Urban Cooperation Act of 1967, 1967 (Ex Sess) PA 7, as amended, MCL 124.501 to 124.512, authorize a Public Agency to exercise jointly with any other Public Agency any power, privilege, or authority that the Public Agencies share in common and that each might exercise separately.

The parties want to jointly exercise powers related to criminal justice and public safety services and create a new intergovernmental entity to operate and manage the CLEMIS System.

The parties therefore agree as follows:

ARTICLE 1
DEFINITIONS

1.1 Defined Terms

(a) For purposes of this agreement, the following definitions apply:

(1) **"Act 7"** means the Urban Cooperation Act of 1967, 1967 (Ex Sess) PA 7, as amended, MCL 124.501 to 124.512.

(2) **"Assumed Liabilities"** means that phrase as defined in section 6.2(a)(8).

(3) **"Authority"** means the Courts and Law Enforcement Management Information System (CLEMIS) Authority created as a public body corporate and politic under section 3.1.

(4) **"Authority Board"** means that phrase as defined in section 4.1.

(5) **"Authorizing Resolution"** means that phrase as defined in section 9.1(b).

(6) **"Bloomfield Township"** means the Charter Township of Bloomfield, a Michigan body corporate organized under The Charter Township Act, 1947 PA 359, as amended, MCL 42.1 to 42.34.

(7) **"Budget Act"** means the Uniform Budgeting and Accounting Act, 1968 PA 2, as amended, MCL 141.421 to 141.440a.

(8) **"Business Day"** means a day other than a Saturday, Sunday, or legal holiday observed by the State of Michigan.

(9) **"Cash and Cash Equivalents"** means that phrase as defined in section 6.2(c)(1).

(10) **"C.J.I.S. Act"** means the C.J.I.S. Policy Act, 1974 PA 163, as amended, MCL 28.211 to 28.215.

(11) **"CLEMIS Authority"** means the Courts and Law Enforcement Management Information System (CLEMIS) Authority created as a public body corporate and politic under section 3.1.

(12) **"CLEMIS Main Services Agreement"** or **"CLEMIS MSA"** means the services agreement provided for in section 3.5.

(13) **"CLEMIS System"** means the criminal justice information system for courts and law enforcement created by the County, operated and maintained as "CLEMIS" by the County's Department of Information Technology before February 1, 2026, and transferred to and operated and maintained by the Authority pursuant to this agreement after January 31, 2026.

(14) **"Contracts"** means that term as defined in section 6.2(c)(2).

(15) **"Copyrights"** means that term as defined in section 6.2(c)(5)(C).

(16) **"County"** means Oakland County, a Michigan body corporate organized under 1973 PA 139, as amended, MCL 45.551 to 45.573.

(17) **"County I.T. Services Agreement"** means that phrase as defined in section 6.7(a).

(18) **"Criminal Justice Agency"** means a court or other Public Agency, or any subunit of the court or Public Agency, that engages in the administration of criminal justice pursuant to a law or executive order and that allocates a substantial part of its annual budget for the administration of criminal justice. Criminal Justice Agency includes a state or federal inspector general office.

(19) **"Effective Date"** means the effective date of this agreement as provided under section 10.1.

(20) **"Executive Committee"** means the executive committee of the Authority Board created under section 4.5.

(21) **"Executive Director"** means the executive director of the Authority provided for under section 4.12.

(22) **"Initial Participants"** includes the County, Bloomfield Township, and White Lake Township.

(23) **"Intellectual Property"** means that phrase as defined in section 6.2(c)(3).

(24) **"Intellectual Property Agreements"** means that phrase as defined in section 6.2(c)(4).

(25) **"Intellectual Property Assets"** means that phrase as defined in section 6.2(c)(5).

(26) **"Nonparty Claim"** means that phrase as defined in section 11.2(f)(1).

(27) **"OMA"** means the Open Meetings Act, 1976 PA 267, as amended, MCL 15.261 to 15.275, as defined in section 4.3.

(28) **"Operations"** means that term as defined in section 6.2(a)(7).

(29) **"Participant"** means a party to this agreement other than the Initial Participants.

(30) **"Participation Agreement"** means an agreement with a Participant in the form provided at exhibit A.

(31) **"Participation Form"** means that phrase as defined in section 9.1(a).

(32) **"Patents"** means that term as defined in section 6.2(c)(5)(A).

(33) **"Person"** means an individual, corporation, limited liability company, partnership, association, trust, or other entity or organization, including a governmental entity.

(34) "**Proceeding**" means any judicial, administrative, or arbitration action, suit, claim, investigation, or proceeding.

(35) "**Public Agency**" means a political subdivision of the State of Michigan or of another state of the United States or of Canada, including a state government; a county, city, village, township, charter township, school district, single or multipurpose special district, or single or multipurpose public authority; a provincial government, metropolitan government, borough, or other political subdivision of Canada; an agency of the United States government; or a similar entity of any other state of the United States and of Canada. As used in this section 1.1(a)(35), agency of the United States government includes an Indian tribe recognized by the federal government before 2000 that exercises governmental authority over land within the State of Michigan.

(36) "**Representative**" means that term as defined in section 11.2(f)(2).

(37) "**Tangible Personal Property**" means that phrase as defined in section 6.2(a)(6).

(38) "**Trademarks**" means that term as defined in section 6.2(c)(5)(B).

(39) "**Trade Secrets**" means that phrase as defined in section 6.2(c)(5)(G).

(40) "**Transfer Agreement**" means that phrase as defined in section 6.2(a).

(41) "**Transfer Date**" means that phrase as defined in section 6.2(a).

(42) "**Transferred Assets**" means that phrase as defined in section 6.2(a)(7).

(43) "**White Lake Township**" means the Charter Township of White Lake, a Michigan body corporate organized under The Charter Township Act, 1947 PA 359, as amended, MCL 42.1 to 42.34.

ARTICLE 2
PURPOSE

2.1 Purpose of Agreement

The purpose of this agreement is to create and empower a public body corporate and politic to implement the powers, privileges, and authorities of each of the parties with respect to the subject matter of this agreement, including the operation of a public safety management information system for court and law enforcement purposes.

2.2 Method for Exercise of Power

The Authority will exercise power under this agreement as provided in this agreement.

2.3 Management and Direction

The Executive Committee has the responsibility, authority, and right to manage and direct on behalf of the public the functions or services performed or exercised under this agreement to the extent provided in this agreement.

ARTICLE 3
CREATION OF AUTHORITY

3.1 Creation of CLEMIS Authority

The Courts and Law Enforcement Management Information System (CLEMIS) Authority is hereby created as a separate legal entity for the purpose of exercising the powers, privileges, and authorities under this agreement and applicable law, including executing the provisions of this agreement. The Authority is a public body corporate and politic. The Authority may use the name "CLEMIS Authority".

3.2 Principal Office

The principal office of the Authority will be at a location determined by the Executive Committee.

3.3 Title to Authority Assets

Unless otherwise expressly provided in this agreement, all property of the Authority is owned by the Authority as a separate legal entity and public body corporate and politic, and no party has any ownership interest in property of the Authority.

3.4 Tax-Exempt Status

(a) The Authority must not be operated for profit.

(b) No part of any earnings of the Authority may inure to the benefit of a Person other than the Initial Participants or the Participants.

(c) The parties intend that the activities of the Authority are tax exempt as governmental functions carried out by an instrumentality or political subdivision of government under section 115 of the Internal Revenue Code of 1986, as amended, 26 USC 115, or any corresponding provisions of any future federal tax code.

(d) The parties also intend that the activities of the Authority are governmental functions carried out by a political subdivision of the State of Michigan, exempt to the extent provided under Michigan law from taxation, including all of the following:

(1) income taxes under the City Income Tax Act, 1964 PA 284, as amended, MCL 141.501 to 141.787;

(2) sales taxes under the General Sales Tax Act, 1933 PA 167, as amended, MCL 205.51 to 205.78;

(3) use taxes under the Use Tax Act, 1937 PA 94, as amended, MCL 205.91 to 205.111;

(4) income taxes under the Income Tax Act of 1967, 1967 PA 281, as amended, MCL 206.1 to 206.847; and

(5) property taxes under The General Property Tax Act, 1893 PA 206, as amended, MCL 211.1 to 211.155.

3.5 **CLEMIS Main Services Agreement**

After January 31, 2026, each party also must be a party to a CLEMIS Main Services Agreement ("**CLEMIS MSA**") between the party and the Authority relating to the use of the CLEMIS System by that party. The Authority may enter into a CLEMIS MSA with a Public Agency that is not an Initial Participant or a Participant.

3.6 **Statements of Fact**

(a) Each party states that it has taken all action and secured all approvals required to permit the party to enter into this agreement.

(b) Each party states that the individual signing this agreement on behalf of the party has the legal authority to sign this agreement and to bind the party to the terms of this agreement.

(c) The verb used to introduce a statement of fact in this agreement is not intended to affect the remedies available for inaccuracy of that statement of fact.

ARTICLE 4
GOVERNANCE

4.1 **Authority Board**

(a) A board is created for the Authority (the "**Authority Board**") as required by section 7(1) of Act 7, MCL 124.507(1). The Authority Board includes all of the following members:

(1) one member appointed by the governing body of the County;

(2) one member appointed by the governing body of Bloomfield Township;

(3) one member appointed by the governing body of White Lake Township;

(4) one member appointed by the governing body of each Participant;

(5) one member appointed by the county executive of the County (the "**County Executive**") who is an employee or officer of the County;

(6) one member appointed by the County Executive who is an employee or officer of the Office of the Oakland County Sheriff; and

(7) 15 other members appointed by the County Executive.

(b) All of the following apply to a member of the Authority Board appointed under section 4.1(a):

(1) each member must be appointed for a term of four years unless the member is being appointed to fill a vacancy caused for a reason other than the expiration of a term;

(2) a member may be removed from the Authority Board at the will of the appointing authority for the member;

(3) a vacancy caused for a reason other than the expiration of a term must be filled by the appointing authority for the vacating member for the remainder of the vacating member's unexpired term; and

(4) a member may continue to serve after the expiration of the member's term until a successor is appointed and qualified.

(c) Before entering upon the duties as a member of the Authority Board, each member of the Authority Board must take and subscribe to the oath of office required by section 1 of article 11 of the Michigan Constitution of 1963. A copy of each oath of office must be filed with the clerk of the County.

(d) An appointing authority under section 4.1(a) shall notify the Executive Committee of any appointments made under section 4.1(a).

4.2 **Authority Board Powers**

The Authority Board shall review the annual audit of the Authority, may evaluate the performance of the Authority, and shall, if required by law, review acts of the Executive Committee. The Authority Board may advise the Executive Committee on all matters relating to the Authority, including the Authority's budget and amendments to this agreement.

4.3 **Authority Board Meetings**

The County Executive shall convene the initial meeting of the Authority Board. The Authority Board shall hold at least one annual meeting at the place, date, and time determined by the Authority Board. Meetings of the Authority Board must comply with the Open Meetings Act, 1976 PA 267, as amended, MCL 15.261 to 15.275 (the "**OMA**"). Public notice of the time, date, and place of Authority Board meetings must be provided in the manner required by the OMA.

4.4 **Authority Board Quorum and Voting**

A majority of the members of the Authority Board then in office will constitute a quorum for the transaction of Authority Board business. The Authority Board shall act by a majority vote of the members appointed and serving at the time of the vote. Members of the Authority Board shall not engage in proxy voting.

4.5 **Executive Committee**

(a) An executive committee of the Authority Board (the "**Executive Committee**") is hereby created.

(b) The Executive Committee consists of the following nine members of the Authority Board:

(1) the member of the Authority Board appointed by the County Executive under section 4.1(a)(5); and

(2) eight members appointed by the County Executive, including all of the following:

(A) two members of the Authority Board representing cities, townships, or villages;

(B) one member of the Authority Board representing counties; and

(C) five members of the Authority Board representing other Public Agencies.

(c) The initial terms of office of the members of the Executive Committee appointed under section 4.5(b)(2) will be as follows:

(1) two members appointed for a term of four years;

(2) two members appointed for a term of three years;

(3) two members appointed for a term of two years; and

(4) two members appointed for a term of one year.

(d) After the initial terms under section 4.5(b)(2), subsequent appointments of members of the Executive Committee appointed under section 4.5(b)(2) will be for terms of four years. The County Executive shall fill a vacancy on the Executive Committee caused other than by expiration of a term in the same manner as the original appointment under section 4.5(b)(2) for the balance of the unexpired term.

(e) A member of the Executive Committee may continue to serve after the expiration of the member's term until a successor is appointed and qualified.

(f) To serve as a member of the Executive Committee, a person must be a member of the Authority Board.

(g) Before entering upon the duties as a member of the Executive Committee, each member of the Executive Committee must take and subscribe to the oath of office required by section 1 of article 11 of the Michigan Constitution of 1963. A copy of each oath of office must be filed with the clerk of the County.

4.6 **Executive Committee Powers**

Except as otherwise provided in section 4.2, the Executive Committee shall exercise the powers of the Authority. The Executive Committee shall appoint the Executive Director of the Authority. The Executive Committee has the power to manage and direct on behalf of the public the functions or services performed under this agreement. The Executive

Committee is responsible for compliance by the Authority with rules and procedures applicable to the Authority under the C.J.I.S. Act.

4.7 Executive Committee Meetings

The member of the Executive Committee described in section 4.5(b)(1) shall convene the initial meeting of the Executive Committee and shall serve as chairperson of the Executive Committee. The Executive Committee shall meet regularly at the place, date, and time as the Executive Committee determines, but not less than quarterly. Meetings of the Executive Committee must comply with the OMA. Public notice of the time, date, and place of Executive Committee meetings must be given in the manner required by the OMA.

4.8 Executive Committee Quorum and Voting

A majority of the members of the Executive Committee then in office constitutes a quorum for the transaction of business. The Executive Committee shall act by a majority vote of its members. Members of the Executive Committee shall not engage in proxy voting.

4.9 Bylaws

The Executive Committee may adopt bylaws consistent with this agreement and applicable law governing the activities of the Executive Committee.

4.10 Committees

(a) The Executive Committee shall establish a Finance Committee as an advisory body consisting of members of the Authority Board to advise the Executive Committee not less than once per year on fees and other charges sufficient to pay the expenses of the CLEMIS System and the Authority.

(b) The Executive Committee may establish other committees consisting of members of the Authority Board to advise the Executive Committee on matters relating to the Authority and this agreement.

4.11 Advisory Groups

The Executive Committee may establish advisory groups consisting of individuals representing parties to this agreement and persons or entities to which the Authority provides services to advise the Executive Committee on matters relating to the Authority, including a user advisory group.

4.12 Executive Director

The Executive Committee shall appoint the chief executive officer of the Authority (the "**Executive Director**"). The Executive Director shall administer all programs, funds, personnel, contracts, and all other administrative functions of the Authority, subject to oversight of the Executive Committee. The Executive Director shall receive compensation as determined by the Executive Committee. All terms and conditions of the Executive Director's employment, including length of service, must be specified in a written contract between the Executive Director and the Authority. The Executive Director will serve at the pleasure of the Executive Committee, and the Executive Committee may remove or

discharge the Executive Director by a vote of at least a majority of the members of the Executive Committee.

4.13 Fiduciary Duty

The members of the Authority Board, the Executive Committee, and the Executive Director are under a fiduciary duty to conduct the activities and affairs of the Authority in the best interests of the Authority, including the safekeeping and use of all Authority money and other Authority assets for the benefit of the Authority. The members of the Authority Board, the Executive Committee, and the Executive Director shall discharge this duty in good faith, with the care an ordinarily prudent individual in a like position would exercise under similar circumstances.

4.14 Compensation

The members of the Authority Board and the Executive Committee will receive no compensation for the performance of their duties. A member of the Authority Board or the Executive Committee may engage in private or public employment, or in a profession or business. Members of the Authority Board and the Executive Committee may be reimbursed by the Authority for expenses incurred (such as travel and meals) relating to the performance of official duties of the Authority.

4.15 Ethics and Conflicts of Interest

The Executive Committee shall adopt ethics policies governing the conduct of Authority Board members, the Executive Committee, and the officers and employees of the Authority. The policies must be no less stringent than those provided for public officers and employees under 1973 PA 196, as amended, MCL 15.341 to 15.348. Members of the Authority Board, the Executive Committee, and the officers and employees of the Authority will be deemed to be public servants under 1968 PA 317, as amended, MCL 15.321 to 15.330, and are subject to any other applicable laws with respect to conflicts of interest. The Executive Committee shall establish policies and procedures requiring disclosure of relationships that may give rise to conflicts of interest.

4.16 Fees and Charges

The Executive Committee shall establish fees and other charges sufficient with other resources to pay the expenses of the CLEMIS System and the Authority. When establishing fees and other charges, the Executive Committee shall consider any recommendation from the Finance Committee required by section 4.10(a).

ARTICLE 5
POWERS OF AUTHORITY

5.1 General Powers

(a) In carrying out its purposes and otherwise executing this agreement, the Authority may perform, or perform with any Person, as applicable, any power, privilege, or authority that the parties share in common and that each might exercise separately

to the fullest extent permitted by Act 7 and other applicable law. The enumeration of a power in this agreement is not a limitation upon the powers of the Authority.

(b) Among other things, the Authority may do all of the following:

(1) make or enter into contracts;

(2) employ agencies or employees;

(3) acquire, construct, manage, maintain, or operate buildings, works, or improvements;

(4) acquire, own, hold, operate, maintain, lease, or sell real or personal property and dispose of, divide, or distribute any property;

(5) incur debts, liabilities, or obligations that, except as expressly authorized by the parties, do not constitute the debts, liabilities, or obligations of any of the parties;

(6) cooperate with a Public Agency or an agency or instrumentality of the Public Agency;

(7) make loans from the proceeds of gifts, grants, assistance funds, or bequests in order to further its purposes;

(8) form other entities necessary to further the purposes of this agreement; and

(9) sue and be sued in the name of the Authority.

(c) The Authority may not bind a party to this agreement, unless otherwise agreed to by the party.

(d) The Authority may not levy a tax.

5.2 **Additional Powers**

(a) The Authority also may do all of the following:

(1) employ, engage, compensate, transfer, or discharge necessary personnel, subject to the provisions of applicable law;

(2) fix and collect charges, rates, rents, fees, loan repayments, loan interest rates, or other charges on loans;

(3) promulgate necessary rules and provide for their enforcement by or with the assistance of the parties to accomplish the purposes of this agreement;

(4) accept gifts, grants, assistance funds, or bequests and use the same for the purposes of this agreement;

(5) apply for and accept grants, loans, or contributions from any source and secure grants, loans, or other contributions;

(6) make claims for federal or state aid payable to a party on account of the execution of this agreement, with the consent of the party;

(7) determine the manner of responding for any liabilities that might be incurred through performance of the Agreement and insure against any such liability;

(8) adjudicate disputes or disagreements, the effects of failure of the parties to pay their shares of the costs and expenses agreed to by the parties, and the rights of the other parties in such cases;

(9) engage auditors to perform independent audits of the financial statements of the Authority;

(10) invest surplus funds or proceeds of grants, gifts, or bequests and adopt an investment policy in connection therewith;

(11) employ legal, financial, and technical experts, other officers, agents, or employees, and accept voluntary provision of such services and functions from donor individuals and entities;

(12) study, develop, and prepare reports or plans the Authority considers necessary to further the purposes of this agreement and to monitor and evaluate performance under this agreement; and

(13) indemnify, as permitted by law, and procure insurance indemnifying any members of the Authority Board, Executive Committee, or officers or employees of the Authority from personal loss or accountability from liability asserted by any Person for any acts or omissions of the Authority.

(b) The Authority may enter into agreements, contracts, or arrangements with a Public Agency or other Person necessary or appropriate to assist the Authority in carrying out its duties and functions.

(c) The Authority may accept gifts, grants, bequests, and other donations for use in performing the Authority's functions. Money or property accepted must be used as directed by the donor in accordance with applicable law, rules, and procedures. The Authority may receive local, state, and federal funds to accomplish its purposes.

(d) The Authority may form and own other legal entities to further the purposes of this agreement. The Authority may cooperate with a Public Agency, an instrumentality of that Public Agency, or other legal or administrative entities created under Act 7.

5.3 **Bonds or Notes; Limitation**

(a) The Authority shall not issue any type of bond in its own name, except as provided in this section 5.3, or in any way indebt a party except as expressly authorized by that party.

(b) The Authority may borrow money and issue bonds or notes in its name for local public improvements or for economic development purposes, but the Authority must not borrow money or issue bonds or notes for an amount that, together with the total outstanding bonded indebtedness of the Authority, exceeds 2 mills of the taxable value of the taxable property within the geographic areas of the parties as

determined under section 27a of The General Property Tax Act, as amended, 1893 PA 206, MCL 211.27a, unless otherwise authorized by Act 7.

(c) Bonds or notes issued by the Authority are the debt of the Authority and not of the parties.

(d) Bonds or notes issued by the Authority are for an essential public and governmental purpose. Pursuant to section 7(7) of Act 7, MCL 124.507(7), bonds or notes, together with the interest on the bonds or notes and income from the bonds or notes, are exempt from all taxes.

(e) Bonds or notes issued by the Authority are subject to the Revised Municipal Finance Act, 2001 PA 34, as amended, MCL 141.2101 to 141.2821.

5.4 **Criminal Justice Agency**

(a) The Authority may exercise the powers, privileges, and authorities of a Criminal Justice Agency. The Authority is hereby designated to perform criminal justice functions and authorized to perform the administration of criminal justice.

(b) The Authority shall comply with applicable state and federal laws relating to criminal justice information, including the C.J.I.S. Policy Act, 1974 PA 163, as amended, MCL 28.211 to 28.215)(the "**C.J.I.S. Act**"), and applicable provisions of the state administrative rules promulgated pursuant to the C.J.I.S. Act.

(c) To the extent permitted by applicable law, the Authority may obtain an originating agency identifier (ORI) assignment from the Criminal Justice Information Services Division of the Federal Bureau of Investigation.

5.5 **Limitation on Political Activity**

The Authority shall not spend any public funds on political activities. This section 5.5 is not intended to prohibit the Authority from engaging in activities permitted under the Michigan Campaign Finance Act, 1976 PA 388, as amended, MCL 169.201 to 169.282.

5.6 **Name of Authority and System**

The Executive Committee may change the name of the Authority and the name used for the CLEMIS System. The Executive Committee shall notify each party to this agreement of a name change under this section 5.6. A name change under this section 5.6 is effective upon a date provided by the Executive Committee after notice required by this section is provided.

ARTICLE 6
CONTRIBUTIONS BY COUNTY

6.1 **Startup Advance**

Not less than 10 Business Days after the Effective Date, the County shall transfer to the Authority $250,000.00 for the initial startup costs of the Authority.

6.2 **Transfer of CLEMIS System Assets to Authority**

(a) Subject to section 6.2(b), effective February 1, 2026 (the "**Transfer Date**"), the County shall transfer to the Authority all of the following both owned by the County and relating to the CLEMIS System, as provided in a transfer agreement between the County and the Authority entered into before the Transfer Date (the "**Transfer Agreement**"):

(1) Cash and Cash Equivalents, including money relating to the CLEMIS System in County internal fund numbers FND53500 (CLEMIS) and FND53100 (Fire Records Management);

(2) accounts or notes receivable owned by the County, and any security, claim, remedy, or other right related to each such account or note receivable;

(3) inventory, finished goods, raw materials, work in progress, packaging, supplies, parts, and other inventories (including consumables);

(4) Contracts;

(5) Intellectual Property Assets;

(6) furniture, fixtures, equipment, machinery, tools, vehicles, office equipment, supplies, computers, telephones, and other tangible personal property (the "**Tangible Personal Property**");

(7) any permits or licenses issued by a governmental authority held by the County and required for the conduct of the operations of the CLEMIS System (the "**Operations**") or for the ownership and use of the assets transferred under the Transfer Agreement ("**Transferred Assets**");

(8) any rights to any actions of any nature available to or being pursued by the County to the extent related to the Operations, the Transferred Assets, or liabilities assumed by the Authority under the Transfer Agreement (the "**Assumed Liabilities**"), whether arising by way of counterclaim or otherwise;

(9) any prepaid expenses, credits, advance payments, claims, security, refunds, rights of recovery, rights of set-off, rights of recoupment, deposits, charges, and fees;

(10) any of the County's rights under warranties, indemnities, and all similar rights against other Persons to the extent related to any assets transferred under the Transfer Agreement;

(11) any insurance benefits, including rights and proceeds, arising from or relating to the Operations, the Transferred Assets, or the Assumed Liabilities;

(12) copies of any records, including books of account, ledgers, and general, financial, and accounting records, CLEMIS System user lists, user purchase

histories, user agreements, supplier lists, quality control records and procedures, user complaints and inquiry files, research and development files, records and data, strategic plans, internal financial statements, marketing and promotional surveys, material and research, and files relating to the Intellectual Property Assets and the Intellectual Property Agreements; and

(13) the goodwill and the going concern value of the Operations.

(b) The Transfer Agreement may designate assets retained by the County and not transferred to the Authority.

(c) For purposes of this section 6.2, the following definitions apply:

(1) "**Cash and Cash Equivalents**" means any cash and cash equivalents (including commercial paper, certificates of deposit, and other bank deposits, treasury bills, short-term investments, and all other marketable securities), investment accounts, and other similar cash items, less uncleared checks, wires, automated clearinghouse (ACH) settlements, and drafts.

(2) "**Contracts**" means any contracts, licenses, instruments, notes, commitments, undertakings, joint ventures, donation agreements, and any other agreements, commitments, and legally binding arrangements, whether written or oral, including any legally binding amendments to the preceding.

(3) "**Intellectual Property**" means Intellectual Property both owned by the County and used or held for use in the conduct of the operations of the CLEMIS System as currently conducted or proposed to be conducted, and all (A) royalties, fees, income, payments, and other proceeds now or later due or payable to the County relating to the Intellectual Property, and (B) claims and causes of action relating to the Intellectual Property, whether accruing before, on, or after the Transfer Date, including any rights to and claims for damages, restitution, and injunctive and other legal or equitable relief for past, present, or future infringement, misappropriation, or other violation of applicable law.

(4) "**Intellectual Property Agreements**" means any license, sublicense, consent to use agreement, settlement, coexistence agreement, covenant not to sue, waiver, release, permission, or other agreement, written or oral, relating to Intellectual Property that is used or held for use in the conduct of the Operations as currently conducted or proposed to be conducted to which the County is a party, beneficiary, or otherwise bound.

(5) "**Intellectual Property Assets**" means any rights in, arising out of, or associated with any of the following in any jurisdiction:

(A) issued patents and patent applications (whether provisional or non-provisional), including divisional, continuations, continuations-in-part, substitutions, reissues, reexaminations, extensions, or restorations of any of the preceding and other government issued indicia of invention ownership (including certificates of invention, petty patents, and patent utility models) ("**Patents**");

(B) trademarks, service marks, brands, certification marks, logos, trade dress, trade names, and other similar indicia of source or origin, and the goodwill connected with the use of and symbolized by, and all registrations, applications for registration, and renewals of, any of the foregoing ("**Trademarks**");

(C) copyrights and works of authorship, whether or not copyrightable, and all registrations, applications for registration, and renewals of any of the preceding ("**Copyrights**");

(D) internet domain names (including "clemis.org") and social media accounts or user names (including handles), whether or not Trademarks, any associated web addresses, URLs, websites and web pages, social media sites, and pages, and any content and data on or relating to the websites and web pages, social media sites, and pages, whether or not Copyrights;

(E) mask works, and any registrations, applications for registration, and renewals of the registrations or applications for registration;

(F) industrial designs, and all Patents, registrations, applications for registration, and renewals;

(G) trade secrets, know-how, inventions (whether or not patentable), discoveries, improvements, Technology, business and technical information, databases, data compilations and collections, tools, methods, processes, techniques, and other confidential and proprietary information and any related rights ("**Trade Secrets**");

(H) computer programs, operating systems, applications, firmware, and other code, including all source code, object code, application programming interfaces, data files, databases, protocols, specifications, and other related documentation;

(I) rights of publicity; and

(J) any other intellectual or industrial property and proprietary rights.

6.3 Other Assets

On the Transfer Date, in addition to other assets transferred by the County to the Authority, the County shall transfer $9,750,000.00 to the Authority.

6.4 Liabilities and Contingencies

On the Transfer Date, the County shall transfer to the Authority and the Authority shall assume the liabilities and contingencies of the County relating to the CLEMIS System as detailed in the Transfer Agreement.

6.5 County Property and Facilities

Beginning on the Transfer Date, and continuing through September 30, 2027, the County shall provide the Authority with the use of County facilities and property needed for the operation of the CLEMIS System by the Authority as provided in the Transfer Agreement, including a separately executed lease agreement. The Authority may enter into agreements with the County for the use of County property and facilities effective after September 30, 2027.

6.6 County Telecommunications and Network Equipment and Services

Beginning on the Transfer Date and continuing through September 30, 2027, the County shall provide the Authority with the use of the County telecommunications and network equipment and services as provided in the Transfer Agreement. The Authority may enter into agreements with the County for the use of County telecommunications and network equipment effective after September 30, 2027.

6.7 County I.T. Services Agreements

(a) By October 3, 2025, the County shall notify each Public Agency that is a party to an agreement for information technology services with the County providing the Public Agency with access to the CLEMIS System (each a "**County I.T. Services Agreement**") of the cancellation of the County I.T. Services Agreement by the County effective February 1, 2026.

(b) When providing notice to a Public Agency under section 6.7(a), the County shall provide the Public Agency with information provided by the Authority regarding the transfers provided under this agreement and instructions on how the Public Agency may enter into an agreement with the CLEMIS Authority for continued access to the CLEMIS System after January 31, 2026.

(c) If the County enters into a County I.T. Services Agreement after the Effective Date, the County I.T. Services Agreement must provide for the termination of the County I.T. Services Agreement effective February 1, 2026.

(d) The County and the Authority may enter into agreements and execute other documents necessary to effectuate this section 6.7.

6.8 Other Revenue

After January 31, 2026, the County shall transfer to the Authority money paid to the County and attributable to the CLEMIS System. A transfer under this section 6.8 must be paid to the Authority within 15 Business Days after the end of the month in which money is paid to the County.

6.9 Nonparty Consents

To the extent that the County's rights under any agreement or permit that is a Transferred Asset under the Transfer Agreement, or any other Transferred Asset under the Transfer Agreement, may not be assigned to the Authority without the consent of another Person, and the consent has not been obtained as of the Transfer Date, it is the intent of the parties that this Agreement not be construed to assign the Transferred Asset to the Authority if the attempted assignment would constitute a breach of the agreement or permit or be unlawful, and the County shall use reasonable efforts to obtain any required consent as promptly as possible. If any consent is not obtained or if any attempted assignment would be ineffective or would impair the Authority's rights under the Transferred Asset in question, so that the Authority would not effectively acquire the benefit of the rights relating to the Transferred Asset, the County, to the extent permitted by applicable law and the Transferred Asset, shall act after the Transfer Date as the Authority's agent to obtain for the Authority the benefits under the Transferred Asset and shall cooperate to the extent permitted by applicable law and the Transferred Asset in any other reasonable arrangement designed to provide the benefits to the Authority.

ARTICLE 7
EMPLOYEES

7.1 Employer of Personnel

(a) The Authority must function as the employer of any employees of the Authority and has the responsibility, authority, and right to manage and direct the employees of the Authority.

(b) No employment relationship exists between the Authority and an employee of an Initial Participant or a Participant.

7.2 Transfer of County Employees

(a) On the Transfer Date, the County shall transfer to the Authority each employee of the County indicated in the Transfer Agreement that remains an employee of the County on January 31, 2026. Upon transfer to the Authority, the employees transferred under this section 7.2(a) will each be an employee of the Authority and not employees of the County.

(b) On the Transfer Date, the County shall detail (as provided in this section 7.2(b)) to the Authority each employee of the County indicated in the Transfer Agreement that remains an employee of the County on January 31, 2026. Employees of the County detailed to the Authority under this section 7.2(b) are not employees of the Authority and remain employees of the County. Employees described in this section 7.2(b) will continue within the County's merit system (as applicable to any County merit system employee), and the County's compensation and benefit system, including wages, retirement benefits, seniority, medical leave, vacation, healthcare, and other benefits, with those costs paid by the Authority while the employee is detailed to the Authority. Employees detailed under this section 7.2(b) are subject to direction and

supervision in the performance of tasks by the Authority, but the County will function as the employer of the employees detailed under this section 7.2(b) and will otherwise have the responsibility, authority, and right to manage and direct the employees. The Authority and the County may enter into agreements relating to the detail of employees under this section 7.2(b).

ARTICLE 8
RECORDS AND FINANCES

8.1 Authority Records

(a) The Authority shall keep and maintain at the principal office of the Authority all documents and records of the Authority.

(b) The records of the Authority must include a copy of this agreement, each Participation Agreement, any amendments to this agreement, and any amended and restated agreement.

(c) The Authority shall make the records of the Authority available to the parties.

(d) The records and documents of the Authority must be maintained until termination of this agreement. Upon termination of this agreement, the records and documents of the Authority must be transmitted to the County.

8.2 Freedom of Information Act

The Authority shall comply with the Freedom of Information Act, 1976 PA 442, as amended, MCL 15.231 to 15.246.

8.3 Uniform Budgeting and Accounting Act

(a) The Authority shall be subject to and comply with the Uniform Budgeting and Accounting Act, 1968 PA 2, as amended, MCL 141.421 to 141.440a.

(b) Unless otherwise designated by the Executive Committee, the Executive Director shall serve as the chief administrative officer of the Authority for purposes of the Budget Act.

(c) The Executive Committee shall prepare all budgets and budget amendments and the Executive Committee shall approve all budgets and budget amendments for the Authority for each fiscal year of the Authority.

8.4 Financial Statements and Reports

(a) The Authority shall prepare, or cause to be prepared, at the Authority's expense, audited financial statements (balance sheet, statement of revenue and expenses, statement of cash flows, and changes in fund balance) on an annual basis.

(b) The audited financial statements must be prepared in accordance with generally accepted accounting principles and accompanied by a written opinion of an independent certified public accounting firm.

(c) A copy of the annual financial statement and report must be filed with the Michigan Department of Treasury and the Authority shall make a copy available to the Authority Board, the Executive Committee, and each of the parties.

8.5 Deposits and Investments

The Authority shall deposit and invest money of the Authority not otherwise employed in carrying out the purposes of the Authority in accordance with an investment policy adopted by the Executive Committee that is consistent with applicable law.

8.6 Disbursements

Disbursements of money of the Authority must be in accordance with the budget for the Authority adopted by the Executive Committee, consistent with any guidelines or disbursement policies established by the Executive Committee, and in accordance with applicable law.

8.7 Audits

(a) The Executive Committee may establish a dedicated audit committee for the purpose of overseeing the accounting and financial reporting processes of the Authority and audits of its financial statements and making recommendations to the Authority Board on approval of the annual audit.

(b) If an audit committee is established, the Executive Committee shall establish specific duties and obligations for the audit committee and standards and qualifications for membership of that committee.

(c) The Executive Committee may require at least one member of an audit committee to be specifically knowledgeable about financial reports.

ARTICLE 9
ADMISSION OF PARTICIPANTS

9.1 Admission Procedure

(a) After the Effective Date, a Public Agency may become a Participant by submitting to the Authority a participation agreement signed by the Public Agency in the form included at exhibit A (a "**Participation Form**") in a manner consistent with this section 9.1 and any procedures adopted by the Executive Committee.

(b) A Participation Form must be accompanied by a resolution of the governing body of the Public Agency in substantially the form provided at exhibit B (the "**Authorizing Resolution**").

(c) A Participation Form also must be accompanied by a CLEMIS MSA signed by the Public Agency.

(d) The Executive Director may approve or deny a request from a Public Agency to become a Participant. If the Executive Director approves the request from the Public Agency, the Executive Director shall sign the Participation Form and the CLEMIS

MSA submitted by the Public Agency and transmit a signed copy of the Participation Form and the CLEMIS MSA to the Public Agency.

(e) A Public Agency approved under section 9.1(d) shall do both of the following:

(1) File a copy of (A) the Participation Form signed by the Public Agency and the Authority, (B) a copy of the Authorizing Resolution for the Public Agency, and (C) this agreement with the county clerk of each county in which the Public Agency is located; and

(2) Notify the Authority of the Public Agency's compliance with section 9.1(e)(1).

(f) After notification under section 9.1(e)(2), the Authority shall file a copy of (A) the Participation Form signed by the Public Agency and the Authority, (B) a copy of the Authorizing Resolution for the Public Agency, and (C) this agreement with the clerk of the County.

(g) If the Executive Director does not approve a request from a Public Agency under this section 9.1, the Public Agency is not a Participant.

9.2 **Admission Date**

The effective date of admission of a Participant is the day on which sections 9.1(e) and 9.1(f) are complied with for the Participant.

9.3 **Admission not an Amendment**

The admission of an additional Participant is not otherwise an amendment to this agreement.

ARTICLE 10
TERM, DURATION, WITHDRAWAL, AND TERMINATION

10.1 **Effective Date**

(a) This agreement is effective beginning on the day (the "**Effective Date**") that all of the following are satisfied:

(1) this agreement is approved by the township board of Bloomfield Township;

(2) this agreement is approved by the township board of White Lake Township;

(3) this agreement is approved by the board of commissioners of the County;

(4) this agreement is signed by the supervisor of Bloomfield Township;

(5) this agreement is signed by the supervisor of White Lake Township;

(6) this agreement is signed by the County Executive;

(7) a copy of this agreement is filed with the clerk of the County; and

(8) a copy of this agreement is filed with the Secretary of State.

10.2 **Term**

(a) This agreement is effective beginning on the Effective Date and continues for an initial term of 15 years (the "**Initial Term**").

(b) After the Initial Term, the agreement is extended in five-year increments unless not extended by joint action of the parties.

(c) The term of this agreement also ends upon one or more of the following:

(1) withdrawal by all parties under sections 10.3 and 10.4;

(2) withdrawal by the County under section 10.3;

(3) withdrawal by all Initial Participants and Participants under section 10.4; or

(4) the Transfer Agreement is not approved and effective before February 1, 2026.

10.3 **Withdrawal by County**

The County may withdraw as a party to this agreement upon 18 months' notice of its withdrawal to the Authority. The Authority by the vote of at least three-fourths of the serving members of the Executive Committee may waive the notice period under this section 10.3.

10.4 **Withdrawal by Others**

Initial Participants and Participants other than the County may withdraw from this agreement upon six months' notice to the Authority. The withdrawal of an Initial Participant or Participant other than the County will not terminate or otherwise affect this agreement as to the remaining parties if the County and at least one additional Initial Participant or Participant remains a party to this agreement.

10.5 **Termination or Expiration of CLEMIS MSA**

After January 31, 2026, if an Initial Participant or a Participant terminates the CLEMIS MSA between the Initial Participant or Participant and the Authority or the CLEMIS MSA between the Initial Participant or Participant and the Authority expires, the Initial Participant or the Participant's status as a party to this agreement expires upon the termination or expiration of the CLEMIS MSA.

10.6 **Disposition upon Termination**

(a) As soon as possible after termination of this agreement, the Authority shall wind up its affairs as follows:

(1) all of the Authority's debts, liabilities, and obligations to its creditors and all expenses incurred in connection with the termination of the Authority and distribution of its assets must be paid first; and

(2) title to all property and assets owned by the Authority must be distributed as directed by the Executive Committee, which may include transfer of the property and assets to the County.

ARTICLE 11
ADDITIONAL PROVISIONS

11.1 Legal Compliance

Each party shall comply with the laws and regulations applicable to its activities under this agreement.

11.2 Relationship and Responsibilities of Parties

(a) No party is responsible for the acts of the Authority or of the Representatives of any other party, whether acting separately or in conjunction with the implementation of this agreement. The parties are only bound and obligated under this agreement as expressly agreed by each party under this agreement and no party may otherwise obligate any other party because of this agreement.

(b) Each party is responsible for any Nonparty Claims brought against that party and for the acts or omissions of its Representatives arising out of this agreement.

(c) Except as otherwise provided in this agreement, for any dispute arising out of this agreement, each party shall seek its own legal representation and bear the costs of that representation.

(d) The parties hereby acknowledge that no party is legally authorized to indemnify any other party or the Authority. The parties hereby acknowledge that the Authority is not legally authorized to indemnify any party.

(e) A party will not be liable to another party or any other Person for any consequential, incidental, indirect, special, or punitive damages arising out of this agreement regardless of whether the party was informed of the possibility of those damages.

(f) For purposes of this section 11.2, the following definitions apply:

(1) **"Nonparty Claim"** means any Proceeding brought by someone other than a party against one or more parties that arises out of this agreement.

(2) **"Representative"** means, with respect to a party, any of that party's officers, employees, agents, consultants, advisors, or other representatives.

11.3 Nonparties

Except as expressly provided in this agreement, this agreement does not create for any Person and is not intended to create by implication or otherwise, any direct or indirect obligation, duty, promise, benefit, right to be indemnified (such as contractually, legally, equitably, or by implication), right to be subrogated to any party's rights in this agreement, or any other right.

11.4 Governmental Function

The parties acknowledge that the performance of this agreement is the governmental function of providing criminal justice and public safety services to serve and to provide aid for persons and property.

11.5 No Waiver of Governmental Immunity

The parties believe that nothing in this agreement is a waiver by any party of any governmental immunity provided under Act 7 or other law.

11.6 Non-Assignment

No party may assign any of its rights or delegate any of its obligations under this agreement without the prior written consent of the other parties.

11.7 Modification; Waiver

(a) No amendment of this agreement will be effective unless it is in writing, approved by the governing body of each party, and signed by an authorized officer of the party.

(b) Each party hereby consents to the filing by the Authority of an amendment under section 11.7(a) approved by each party to the amendment on behalf of each party to the amendment.

(c) No waiver under this agreement will be effective unless it is in writing and signed by the party granting the waiver. A waiver granted on one occasion will not operate as a waiver on other occasions.

11.8 Notice

(a) A notice or other communication under this agreement will be effective if it is in writing and received by the party to which it is addressed. It will be deemed to have been received as follows:

(1) if a paper copy is delivered by a delivery organization that allows users to track deliveries, upon receipt as stated in the tracking system;

(2) if a paper copy is delivered by another means, when the intended recipient or a representative of the intended recipient signs for it; or

(3) if it is delivered by email, when the intended recipient acknowledges by notice in accordance with this section 11.8 (but without need for further acknowledgement) having received that message, except that a read receipt or an automatic reply will not constitute acknowledgement of a message for purposes of this section 11.8; and

(4) if the intended recipient rejects or otherwise refuses to accept it, or if it cannot be delivered because of a change in address for which no notice was given, then upon that rejection, refusal, or inability to deliver.

(b) For a notice under this agreement to be valid, it must be addressed using the information below for that party or any other information stated by that party in a notice in accordance with this section 11.8:

To County: Oakland County
2100 Pontiac Lake Rd
Waterford, MI 48328-2762

To Bloomfield Township	Charter Township of Bloomfield 4200 Telegraph Rd Bloomfield Township, MI 48302-2038
To White Lake Township	White Lake Police Department 7525 Highland Rd White Lake, MI 48383-2938
To a Participant:	To the address provided by the Participant in the Participation Agreement for that Participant.

(c) If a notice addressed to a party is received after 5:00 p.m. on a Business Day at the location specified in the address for that party, or on a day that is not a Business Day at the location specified in the address for that party, then the notice will be deemed to have been received at 9:00 a.m. on the next Business Day.

11.9 Severability

The parties acknowledge that if a dispute between the parties arises out of this agreement or the subject matter of this agreement, they would want the court to interpret this agreement as follows:

(1) with respect to any provision that it holds to be unenforceable, by modifying that provision to the minimum extent necessary to make it enforceable or, if that modification is not permitted by law, by disregarding that provision;

(2) if an unenforceable provision is modified or disregarded in accordance with this section 11.9, by holding that the rest of the contract will remain in effect as written;

(3) by holding that any unenforceable provision will remain as written in any circumstances other than those in which the provision is held to be unenforceable; and

(4) if modifying or disregarding the unenforceable provision would result in failure of an essential purpose of this agreement, by holding the entire contract unenforceable.

11.10 Electronic Signatures

(a) If a Participation Agreement is an Electronically Signed Document, all of the following apply:

(1) the Authority states that the intention of the individual signing on behalf of the Authority on the Electronically Signed Document is to attribute the individual's signature to the Electronically Signed Document, and that the Electronic Signature on the Electronically Signed Document is the signer's signature to the Electronically Signed Document;

(2) each Participant states that the intention of the individual signing on behalf of the Participant on the Electronically Signed Document is to attribute the individual's signature to the Electronically Signed Document, and that the Electronic Signature on the Electronically Signed Document is the signer's signature to the Electronically Signed Document;

(3) the parties acknowledge that the Electronic Signatures on all Electronically Signed Documents are legally binding; and

(4) each party hereby waives all rights to repudiate the authenticity or validity of an Electronic Signature on an Electronically Signed Document to the extent the repudiation is based in whole or in part on the fact that the signature is not in an original handwritten form using physical ink and paper.

(b) The Electronic Signatures in Global and National Commerce Act of 2000 (E-SIGN), as amended, 15 USC 7001 to 7031, or the Uniform Electronic Transactions Act, 2000 PA 305, as amended, MCL 450.831 to 450.849, or both, as applicable, govern an Electronic Signature on this agreement or a Participation Agreement for a Participant. The Uniform Computer Information Transactions Act (UCITA) does not govern an Electronic Signature on this agreement or a Participation Agreement for a Participant.

(c) For purposes of this section 11.10, the following definitions apply:

(1) **"Electronic Signature"** means any form of signature provided on behalf of a party other than an original handwritten signature, including any type of image created in any manner (whether electronically or otherwise), which image could reasonably be interpreted as an indication of the signer's intent to sign the document.

(2) **"Electronically Signed Document"** means any document received by a party in connection with this agreement or a Participation Agreement for a Participant, or the correction or amendment of any such document, to which an Electronic Signature is affixed, attached, or otherwise logically associated.

11.11 Counterparts

If the parties sign this agreement in several counterparts, each will be deemed an original, but all counterparts together will constitute one instrument.

11.12 Governing Law

Michigan law governs any adversarial Proceeding arising out of this agreement.

11.13 Jurisdiction and Venue

Except as otherwise required by law or court rule, as the exclusive means of bringing an adversarial Proceeding to resolve any dispute arising out of this agreement or the subject matter of this agreement, a party may bring the Proceeding in the Southern Division of the

United States District Court for the Eastern District of Michigan, the 6th Circuit Court of the State of Michigan, or the 50th District Court of the State of Michigan.

11.14 Scope of Agreement; Entire Agreement

This agreement (including for each Participant the Participation Agreement for that Participant) is the entire understanding between the parties with respect to the subject matter of this agreement and supersedes all other agreements, whether oral or written, between the parties.

11.15 Date of Agreement

The date of this agreement will be the date this agreement is signed by the last of the Initial Participants to sign it (as indicated by the date associated with each Initial Participant's signature). If an Initial Participant signs this agreement but fails to date its signature, the date the County receives that Initial Participant's signature will be deemed to be the date that Initial Participant signed this agreement.

Each Initial Participant is signing this agreement on the date stated opposite the Initial Participant's signature.

[*signature pages follow*]

OAKLAND COUNTY

Date: 10/8/25, 2025 By: _____

David T. Woodward
Chairperson of the County Board of Commissioners

Date: 10/7/25, 2025 By: _____

David Coulter
County Executive

CLEMIS INTERLOCAL AGREEMENT
CLEMIS AUTHORITY

CHARTER TOWNSHIP OF BLOOMFIELD

Date: SEPTEMBER 9, , 2025

By: Mike McCready

Mike McCready
Township Supervisor

CHARTER TOWNSHIP OF WHITE LAKE

Date: 8-21-25, 2025

By: _____
Rik Kowall
Township Supervisor

122486.000003 4897-1642-7050.9

LETTER TO THE LIVONIA CITY COUNCIL

11.

Police
May 6, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Thomas Goralski, Police Chief

AGENDA ITEM

REQUEST TO AUTHORIZE A PARTICIPATION AGREEMENT AND CONTINUE MEMBERSHIP WITH COURTS AND LAW ENFORCEMENT MANAGEMENT SYSTEM (CLEMIS) AUTHORITY: for the continuity of existing services under the new governance structure.

BACKGROUND DETAILS

The Livonia Division of Police is requesting authorization to enter into a Participation Agreement with the CLEMIS (Courts and Law Enforcement Management Information Network) Authority. For nearly 60 years, CLEMIS operated as part of the Oakland County Government. Last year, Oakland County and CLEMIS member agencies established the CLEMIS Authority as its own independent government entity, governed directly by the member agencies it serves rather than by the county administration.

This change provides Member Agencies a direct voice in how CLEMIS operates and evolves. It also means the Authority needs its own agreements with the communities it serves, separate from Oakland County. This is an administrative requirement of becoming an independent entity. It does not change our services, costs, or the support we receive. This participation agreement will allow us to maintain our existing relationship with CLEMIS.

Information has been provided on the CLEMIS Authority website outlining what the change from a regional collaboration to a Government Authority provides:

- Proven Applications at Public Safety Pricing - Applications priced for public safety budgets. As a non-profit government entity, profit margins and sales overhead that drive up vendor costs are eliminated.
- Member Governance - Member agencies shape what gets built and how the Authority evolves. Participating members decide what priorities drive new capabilities, which technology partners align with our mission, and how we advance toward intelligence-driven public safety.
- Interlocal Agreement Foundation - These agreements reduce procurement barriers and create legally binding commitments, unlike typical vendor MOUs that can change.
- Mission-Driven Focus - Success is measured by community safety outcomes, not revenue growth. When agencies that serve communities make the decisions, technology serves communities rather than shareholders.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

The Livonia Division of Police recommends entering into a Participation Agreement with the CLEMIS Authority to continue participation in the new Authority's governance and access to the Authority's services, software and data sharing. The CLEMIS Authority is now its own government entity, separate from Oakland County, requiring its own agreements with agencies and communities it serves. Our existing relationship with CLEMIS has not changed; the legal structure around it has. All CLEMIS applications will remain fully operational throughout the transition.

ATTACHMENTS

1. S051826 LTC CLEMIS Authority Transition Agreement

APPROVED BY



Thomas Goralski, Police Chief — Date: May 08, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: May 08, 2026



Eric Goldstein, City Attorney — Date: May 08, 2026



Maureen Miller Brosnan, Mayor — Date: May 08, 2026

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

12. REQUEST TO RENEW SOFTWARE MAINTENANCE AGREEMENT WITH SOLE SOURCE PROVIDER: with ESRI, Inc., for the City's Geographic Information System (GIS) for a period of one year, from budgeted funds.

Casey O'Neil, Information Systems Director, stated the GIS platform allows for critical mapping and special analysis capabilities with twenty additional users this year.

Motion was made by Councilmember Ptashnik to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

12.

Information Systems
April 29, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Casey O'Neil, Information Systems Director

AGENDA ITEM

REQUEST TO RENEW SOFTWARE MAINTENANCE AGREEMENT WITH SOLE SOURCE PROVIDER: with ESRI, Inc., for the City's Geographic Information System (GIS) for a period of one year, from budgeted funds.

BACKGROUND DETAILS

This is an annual renewal for the ArcGIS software from ESRI, Inc. used by Livonia's Geographic Information Systems (GIS). GIS allows the management of geographic maps, applications, and spatially referenced data within the city. Included are online map services, database maintenance, mapping support for City departments, and integration with Cityworks, the asset management software used by DPW.

The total cost for annual software maintenance is $47,305.00, providing the city with the following:

(1) One "ArcGIS Enterprise Standard" license
(2) Twenty ArcGIS Online Mobile Worker licenses
(3) Eighteen ArcGIS Online Creator licenses
(4) Seven Professional User licenses
(5) Two Professional Plus User licenses
(6) One ArcGIS Special Analyst license

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Approve the purchase of software maintenance for the period from July 17, 2026 to July 16, 2027, in the amount of $47,305.00 from ESRI, Inc., 380 New York Street, Redlands, CA 92373.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

The total annual maintenance cost is $47,305.00. This is a sole-source request, as this software can only be purchased through ESRI, Inc. No additional appropriation is necessary. Funds are budgeted at $39,305.00, allocated from the Computer Software Maintenance account number 101-228-851-020, and the remaining $8,000 is covered by DPW through the Computer Software Water and Sewer Fund 592-559-851-020.

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

$47,305.00, 1 Year

DETAILED WORK BEING PERFORMED

N/A

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

$39,305.00 from budgeted funds in Account #101-228-851-020 and $8,0000 from budgeted funds in account #592-559-851-020.

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

N/A

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Sole Source

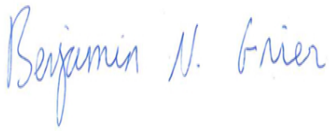
ATTACHMENTS

1. 2026 Esri Renewal Quote # 26348655

APPROVED BY



Casey O'Neil, Information Systems Director — Date: May 04, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: May 04, 2026



Maureen Miller Brosnan, Mayor — Date: May 08, 2026

Esri Inc
380 New York Street
Redlands CA 92373

Subject: Renewal Quotation

Date: 04/24/2026
To: Casey O'Neil
Organization: City of Livonia
Information Systems
Fax #: 734-466-2193 **Phone #:** 734-466-2279

From: Tyler Tellez
Fax #: **Phone #:** +19093695184 Ext. 5184
Email: ttellez@esri.com

Number of pages transmitted (including this cover sheet): 4

Quotation #26348655
Document Date: 04/17/2026

*** REVISED QUOTE ***

Please find the attached quotation for your forthcoming term. Keeping your term current may entitle you to exclusive benefits, and if you choose to discontinue your coverage, you will become ineligible for these valuable benefits and services.

If your quote is regarding software maintenance renewal, visit the following website for details regarding the maintenance program benefits at your licensing level
https://www.esri.com/en-us/cp/maintenance

All maintenance fees from the date of discontinuation will be due and payable if you decide to reactivate your coverage at a later date.

Please note: Certain programs and license types may have varying benefits. Complimentary User Conference registrations, software support, and software and data updates are not included in all programs.

Customers who have multiple copies of certain Esri licenses may have the option of supporting some of their licenses with secondary maintenance.

For information about the terms of use for Esri products as well as purchase order terms and conditions, please visit
http://www.esri.com/legal/licensing/software-licens e.html

If you have any questions or need additional information, please contact Customer Service at 888-377-4575 option 5.

380 New York Street
Redlands, CA 92373
Phone: +190936951845184

Quotation

Date: 04/17/2026 **Quotation Number:** 26348655 **Contract Number:** 00018574.13

Send Purchase Orders To:
Environmental Systems Research Institute, Inc.
380 New York Street
Redlands, CA 92373-8100
Attn: Tyler Tellez

Please include the following remittance address on your Purchase Order:
Environmental Systems Research Institute, Inc.
P.O. Box 741076
Los Angeles, CA 90074-1076

City of Livonia
Information Systems
33000 Civic Center Dr
Livonia MI 48154-3060
Attn: Casey O'Neil
Email: coneil@livonia.gov
Phone: 734-466-2200
Customer Number: 100402

For questions regarding this document, please contact Customer Service at 888-377-4575.

Item	Qty	Material#	Unit Price	Extended Price
10	5	153148 ArcGIS Online Creator User Type Annual Subscription Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	684.00	3,420.00
1010	2	161328 ArcGIS Enterprise Standard Up to Four Cores Mainten ance Start Date: 07/17/2026 End Date: 07/16/2027	5,900.00	11,800.00
2010	20	165533 ArcGIS Online Mobile Worker User Type Annual Subscr iption Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	400.00	8,000.00
4010	1	166896 ArcGIS Enterprise Professional (formerly Standard) User Type Annual Subscription	2,200.00	2,200.00

Please note Esri has introduced a price change and this quote reflects current pricing for your organi zation. It is important to us that we are able to continue to deliver value through enhanceme nts to products, solutions, and capabilities.

Your renewal provides access to all the benefits yo u are familiar with, which you can review at https: //go.esri.com/maintenance
For questions related to the price change, please r each out to your assigned Esri Account Manager.

Quotation is valid for 90 days from document date.

Any estimated sales and/or use tax has been calcula ted as of the date of this quotation and is merely provided as a convenience for your organization's budgetary purposes. Esri reserves t he right to adjust and collect sales and/or use tax at the actual date of invoicing. If your organization is tax exempt or pays state taxes dire ctly, then prior to invoicing, your organization mu st provide Esri with a copy of a current tax exemption certificate issued by your state's ta xing authority for the given jurisdiction.

Esri may charge a fee to cover expenses related to any customer requirement to use a proprietary vendo r management, procurement, or invoice program.

To expedite your order, please reference your customer number and this quotation number on your purchase order.

380 New York Street
Redlands, CA 92373
Phone: +190936951845184

Quotation

Date: 04/17/2026 **Quotation Number:** 26348655 **Contract Number:** 00018574.13

Item	Qty	Material#	Unit Price	Extended Price
		Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125		
5010	1	195120 ArcGIS Enterprise Professional Plus User Type Annua l Subscription (Desktop Migration) (commercial 1668 97) Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	2,440.00	2,440.00
6010	13	195139 ArcGIS Online Creator User Type Annual Subscription (Desktop Migration) (commercial 153148) Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	550.00	7,150.00
7010	6	195140 ArcGIS Online Professional User Type Annual Subscri ption (Desktop Migration) (commercial 165536) Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	1,575.00	9,450.00
8010	1	195141 ArcGIS Online Professional Plus User Type Annual Su bscription (Desktop Migration) (commercial 165537) Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	2,440.00	2,440.00
9010	1	195149 ArcGIS Spatial Analyst for ArcGIS Online Creator or Professional User Type Annual Subscription (Deskto p Migration) (commercial 165560) Start Date: 07/17/2026 End Date: 07/16/2027 Subscription ID: 1712956125	405.00	405.00

Item Subtotal		47,305.00
Estimated Tax		0.00
Total	**USD**	**47,305.00**

DUNS/CEC: 06-313-4175 CAGE: 0AMS3

380 New York Street
Redlands, CA 92373
Phone: +190936951845184

Quotation

Date: 04/17/2026 **Quotation No:** 26348655 **Customer No:** 100402 **Contract No:** 00018574.13

Item	Qty	Material#	Unit Price	Extended Price

To expedite processing, please reference the quotation number and any/all applicable Esri contract number(s) (e.g. MPA, EA, GSA, BPA) on your ordering document.

If you choose to discontinue your support, you will become ineligible for support benefits and services. All maintenance fees from the date of discontinuation will be due and payable if you decide to reactivate your support coverage at a later date.

The items on this quotation are subject to and governed by the terms of this quotation, the most current product specific scope of use document found at http://assets.esri.com/content/dam/esrisites/media/legal/product-specific-terms-of-use/e300.pdf, and your applicable signed agreement with Esri. If no such agreement covers any item quoted, then Esri's standard terms and conditions found at http://assets.esri.com/content/dam/esrisites/media/legal/ma-full/ma-full.pdf apply to your purchase of that item. Federal government entities and government prime contractors authorized under FAR 51.1 may purchase under the terms of Esri's GSA Federal Supply Schedule. Supplemental terms and conditions found at http://www.esri.com/en-us/legal/terms/state-supplemental apply to some state and local government purchases. All terms of this quotation will be incorporated in to and become part of any additional agreement regarding Esri's offerings. Acceptance of this quotation is limited to the terms of this quotation. Esri objects to and expressly rejects any different or additional terms contained in any purchase order, offer, or confirmation sent to or to be sent by buyer. Unless prohibited by law, the quotation information is confidential and may not be copied or released other than for the express purpose of system selection and purchase/license. The information may not be given to outside parties or used for any other purpose without consent from Esri. Delivery is FOB Origin.

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

13. REQUEST TO APPROVE CONTRACT FOR CARETAKING SERVICES IN THE HISTORICAL VILLAGE AT GREENMEAD: with independent contractor, Jeffrey Ronayne, for the period December 1, 2026, through November 30, 2028, with an option to renew for two
(2) additional two-year terms.

Ted Davis, Superintendent of Parks and Recreation, requested approval for the contract as Jeffrey has held the position since 2019 and has done a wonderful job.

The following residents spoke regarding Item 13: Christopher Martin.

Motion was made by Councilmember McDonnell to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

13.

Parks and Recreation
May 4, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Ted Davis, CPRP, Superintendent of Parks and Recreation

AGENDA ITEM

REQUEST TO APPROVE CONTRACT FOR CARETAKING SERVICES IN THE HISTORICAL VILLAGE AT GREENMEAD: with independent contractor, Jeffrey Ronayne, for the period December 1, 2026 through November 30, 2028, with an option to renew for two (2) additional two-year terms.

BACKGROUND DETAILS

The Department of Parks and Recreation requests that the City Council approve a contract with Jeffrey Ronayne for providing caretaker services for Greenmead Historical Park. Mr. Ronayne has been the caretaker at Greenmead since November, 2019. He has done an outstanding job, and we are happy to have him continue in this capacity.
Mr. Ronayne's responsibilities include:

- Inspecting the buildings for signs of water drainage into basements.
- Verify that heating, cooling, lighting, and alarm systems are properly functioning and report any problems to Greenmead staff.
- Check the buildings and grounds at Greenmead for illegal activity and report such activity to LPD.

The initial agreement, from November 2019, was approved by Council Resolution 396-19. The proposed new agreement would begin December 1, 2026, and end November 30, 2028, with the potential for two additional two-year terms.
Your consideration of this request is appreciated.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

To execute a contract for caretaking services at the Historical Village at Greenmead for the period of December 1, 2026 through November 30, 2028 with an option to renew for two (2) additional two-year terms.

ATTACHMENTS

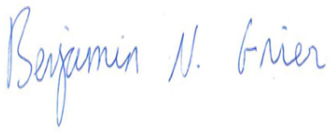
1. 2026 Greenmead caretakers contract

APPROVED BY



Date: May 04, 2026

Ted Davis, CPRP, Superintendent of Parks and Recreation



Date: May 04, 2026

Benjamin N. Grier, JD, CPA, Finance Director



Date: May 06, 2026

Eric Goldstein, City Attorney



Date: May 08, 2026

Maureen Miller Brosnan, Mayor

CONTRACT FOR CARETAKING SERVICES
IN THE
HISTORICAL VILLAGE AT GREENMEAD
(20501 Newburgh Road, Livonia, Michigan)

In consideration of the mutual covenants, promises, and agreements contained herein, the City of Livonia, a Michigan municipal corporation, hereinafter designated as the "City," and Jeffrey Ronayne, an individual acting as an independent contractor, hereinafter referred to as the "Contractor," do hereby agree as follows:

A. That for the consideration described in this Contract, the Contractor shall do all things necessary for and incidental to the following caretaking duties at Greenmead Historical Village, 20501 Newburgh Road, Livonia, Michigan (hereafter "Greenmead"):

1. To report acts of vandalism, destruction, theft or illegal entry to any of the buildings, personal property, trees, or shrubbery situated at Greenmead, particularly during evening hours, weekends and holidays.
2. To check each building at Greenmead for signs of vandalism, theft, destruction or illegal entry; to promptly notify the Livonia Police Department and Building Maintenance Supervisor of the Public Service Division of the City (hereafter, the "Building Maintenance Supervisor") of any such occurrence; and to avoid, at all times, any physical confrontation with unauthorized intruders on the premises.
3. To check the grounds of Greenmead, including but not limited to making sure all buildings are secured and locked.

4. To check all buildings for water drainage into basements and to verify that heating, cooling, electrical, night lighting and alarm systems are functioning properly, and to notify the Program Supervisor at Greenmead immediately of any problems needing his attention.

5. To maintain communication with the City's Historical Commission (hereafter the "Commission"), so that the Commission may be made aware of all occurrences at Greenmead. Contractor will attend those Commission meetings where Contractor's presence has been requested.

6. To maintain the interior of the Parsonage and to present a clean and neat appearance. The Contractor shall not be responsible for the normal maintenance, repairs, and/or replacement of the plumbing, heating, and electrical systems of the Parsonage, unless the repairs or replacement of any part of any system is necessitated due to the acts, omissions, or negligence on the part of the Contractor, Contractor's family, and/or friends or acquaintances visiting the Contractor or Contractor's family.

7. To be available for the opening of buildings for any events occurring at Greenmead during the Contractor's tenancy, upon at least two (2) months notice of such event by the City.

B. That in full consideration thereof, the City shall permit the Contractor to reside rent-free in the premises located at Greenmead known as the "Parsonage" for the term of this Contract. The Contractor shall provide the City with an $800.00 security deposit.

C. That the term of this Contract shall begin December 1, 2026 and end November 30, 2028; provided, however, that a) the City may at its sole discretion terminate this Contract at any time upon thirty (30) days written notice to the Contractor; and b) this Contract shall be renewable for two (2) additional two-year terms upon the conditions set forth herein at the discretion of the Livonia City Council.

D. That this Contract shall be further subject to the following terms and conditions:

1. The Contractor shall use and occupy the Parsonage only for residential purposes as approved by the City.
2. There shall be no structural, cosmetic, or physical changes in the Parsonage without written approval of the City.
3. In the case of the Contractor's default in any of the covenant terms or conditions contained in this Contract, it shall be lawful for the City, its attorneys, agents, representatives, or assigns to enter into and repossess the Parsonage, and to remove and put out the Contractor and each and every occupant and their belongings.
4. The Contractor shall use and occupy the Parsonage only for the residential purposes as described herein and they shall not permit intoxicating liquors and/or controlled substances to be stored, consumed, sold, used or manufactured upon the premises. There shall be no outside storage of the personal property of the Contractor except as permitted by the City's Superintendent of Parks and Recreation.

5. The Contractor shall keep the premises in accordance with all police, sanitary and other regulations imposed by any government authority.

6. The Contractor shall observe all reasonable regulations and requirements of underwriters concerning the use and condition of the premises tending to reduce fire hazards and insurance rates and not permit nor allow any unused vehicles, rubbish, waste material or products to accumulate on the premises.

7. The Contractor shall not assign this Contract nor sublet the Parsonage or any part thereof.

8. The Contractor shall keep the premises, including the equipment and fixtures of every kind and nature, during the term of this Contract in as good repair and at the expiration thereof yield and deliver up the same in like condition as when taken, reasonable wear thereof and damage by the elements excepted.

9. That in the event the Contractor remains in the Parsonage after this Contract is expired or terminated, no tenancy shall be created, and the City shall have the right to take whatever action is necessary to evict the Contractor and any other occupant from the Parsonage. The City shall also have the right to dispose of any and all belongings remaining in or around the Parsonage after fourteen days from the date of expiration or termination.

10. If the demised premises become wholly untenantable through damage or destruction by fire or other casualty, this Contract shall be void; if partially

untenantable, the City may repair the same or, at its sole discretion, declare this Contract void and of no further force and effect.

11. The Contractor shall pay the cost of all utility services, including gas, electric, water, telephone, cable and internet service which shall be installed and maintained by the Contractor at said Parsonage.

12. The City agrees that the Contractor, upon rendering of the personal services at the time and in the manner aforesaid and the performing of all of the foregoing covenants, shall and may peacefully and quietly have, hold and enjoy the demised premises for the term aforesaid, subject, however, to the City's right to terminate this Contract at any time upon thirty (30) days written notice to the Contractor.

13. The City and its authorized agents, servants and employees shall have the right during the first week of March, the first week of October and at all other reasonable times during the term of this Contract and any renewal thereof to enter the demised premises for the purpose of inspecting the premises.

14. If, at any time during the term of this Contract, the Contractor abandons the Parsonage or any part thereof, the City may, at its option, enter the premises by any means without being liable for any prosecution therefor, and without becoming liable to the Contractor, his family or any other occupant for damages or for any payment of any kind whatsoever, and may, at its discretion, immediately terminate this Contract. If the City's right of termination is exercised following abandonment of the premises,

then the City may consider any personal property belonging to the Contractor or any other occupant and left on the premises to also have been abandoned, in which case the City may dispose of all such personal property in any manner the City shall deem proper and is hereby relieved of all liability for doing so.

15. The Contractor and immediate family shall allow no other person to reside at the Parsonage or anywhere else at Greenmead unless they first obtain written permission from the City's Superintendent of Parks and Recreation. The City shall retain the right to revoke this permission at any time upon written notice to the Contractor.

16. The Contractor may keep one pet on the premises, provided that the Contractor first obtains the permission of the City's Superintendent of Parks and Recreation, and provided the pet is properly licensed and proof of any required vaccinations is provided. The City shall retain the right to revoke this permission anytime upon written notice to the Contractor. A pet security deposit of $250.00 will be required. Contractor must comply with the above pet policy.

17. The Contractor shall have the right to take vacations or otherwise be absent from the premises for periods of time; provided, however, that the Contractor shall notify the City's Superintendent of Parks and Recreation prior to any absence so that alternate arrangements can be made to ensure the Contractor's duties and responsibilities under this Contract are performed by someone else.

18. The covenants and conditions herein shall bind the heirs, representatives and assigns of the City and the Contractor. If applicable, any words or pronouns written in the masculine singular form shall be read as if written in the feminine and/or plural form.

19. The Contractor is responsible for all medical, hospitalization, disability and life insurance and the City shall not be liable for any injuries, accidents or illnesses of the Contractor.

20. The Contractor shall procure and maintain during the life of this Contract, Public Liability Insurance, or its equivalent, insuring the Contractor and the City against any and all claims, demands or actions arising out of or related to the residential activities and use of the Parsonage by the Contractor, and/or any other occupant. Such insurance shall be in an amount not less than $1,000,000 for injuries, including accidental death, to each person; and subject to the same limit for each person, in an amount not less than $1,000,000 on account of each accident. The Contractor shall provide the City with a copy of the certificate of coverage of such insurance by the time this Contract is executed by the City. Any lapse or cancellation of any insurance coverage required by this paragraph shall be deemed a default of the Contractor under this Contract, as to which the City may exercise any or all of its remedies at law or under this Contract. The enumeration of this breach as an event of default is by way of example, only, and is not a limitation on the breaches of this Contract which may give rise to an exercise of said remedies.

21. The Contractor does hereby expressly stipulate and agree to release, discharge, indemnify and forever hold harmless the City of Livonia, its assigns, agents, servants and employees of and from all claims, demands, actions or causes of action now existing or which may hereafter exist by reason of any damage, loss or injury which heretofore has been or which may hereafter be sustained by any individual in consequence of the residential activities and use of the Parsonage by the Contractor and or any other occupant. This release extends and applies to, and also covers and includes, all unknown, unforeseen, unanticipated and unsuspected injuries, damages, loss and liability, and the consequence thereof, as well as those now disclosed and known to exist. The provisions of any state, federal, local or territorial law or statute providing in substance that releases shall not extend to claims, demands, injuries or damages which are unknown or are unsuspected to exist at the time, to the person executing such release, are hereby expressly waived.

22. The City shall be entitled to receive attorney fees and costs incurred in any lawsuit or claim arising out of or relating in any way to this Contract.

23. The Contractor shall not use, possess, or manufacture any substance which has been identified as a Schedule I narcotic by the Federal Controlled Substances Act ("CSA") as amended, regardless of any immunity that may be provided by the Michigan Medical Marihuana Act, as amended, or any other such statute, law, regulation, or ordinance.

24. City's nonenforcement of a provision of this Contract on one (1) or more occasions is not a continuing waiver of its right to enforce the provision, and its consent to an act of Contractor on one (1) or more occasions (where consent is required) is not a continuing consent to any subsequent similar act by Contract. No breach is waived by City unless waived in writing.

25. As stated above, this Contract does not create an employment relationship between the City and the Contractor. Rather, for purposes of this Contract, the Contractor is an independent contractor. If the Contractor is or becomes a City employee outside of the parameters of this Contract, Contractor acknowledges that he actively competed for the opportunity to serve as caretaker pursuant to this Contract and has entered into this Contract and continues to reside at the Parsonage voluntarily, subject to no coercion whatsoever.

Signed, sealed and delivered this _____ day of _____, 2026.

WITNESSES:

_____

_____

CITY OF LIVONIA, a Michigan municipal corporation

By: _____
Maureen Miller Brosnan, Mayor

By: _____
Lori L. Miller, City Clerk

_____
Contractor – Jeffrey Ronayne

APPROVED:

Edward Davis, CPRP
Superintendent of Parks and Recreation

APPROVED AS TO FORM:

Department of Law

Pursuant to Council Resolution _____
adopted by the Livonia City Council at
its regular meeting held on _____

P:\Agreements\greenmead\caretaker contract 2026.doc

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

14. ACCEPTANCE OF DONATION: from Michiganense Natives to be used for the purpose as designated by the donor.

Doug Moore, Assistant Director of Public Works, stated the Greenleaf Commission helps sponsor a native plant sale with Michiganense Nursery, in return a donation was made, and requests approval for acceptance of the donation.

Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

14.

DPW
April 29, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

ACCEPTANCE OF DONATION: from Michiganense Natives to be used for the purpose as designated by the donor.

BACKGROUND DETAILS

Honorable Members of the City Council,

In 2025, the City of Livonia's Greenleaf Commission partnered with Michiganense Natives plant nursery in Plymouth to hold a "native" plant sale, to raise awareness of native plants in Michigan. We are fortunate to have a "native" plant purveyor in our state to raise awareness of the importance of using "native' plants in our landscaping design, while "weeding out" invasive species which threaten our ecosystem.

As part of their promotional sale, Michiganense donates a percentage of the plant sale profits to the sponsor. As a result, Michiganense would like to donate $138.00 from the 2025 sale, with another donation in a few months after a second plant sale in 2026.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

We respectfully request that the Livonia City Council accept these donations THE COUNCIL DOES, FOR AND ON BEHALF OF THE CITY OF LIVONIA, ACCEPT A CASH DONATION IN THE AMOUNT OF $138.00 FROM MICHIGANENSES NATIVES PLANT NURSERY, THE SAME TO BE DEPOSITED IN AND CREDITED TO ACCOUNT NO. 101-441-886-915 (Spec Activity-Greeneaf Commission) TO BE USED by the Greenleaf Commission to further promote the use of native plants throughout Livonia.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

N/A

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

N/A

DETAILED WORK BEING PERFORMED

N/A

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

The Department further requests that Council does hereby credit $138.00 to 101-441-886-915 (Spec Activity-Greenleaf Commission) to be used by the Greenleaf Commission to further promote the use of native plants throughout Livonia.

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

N/A

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): N/A

ATTACHMENTS

1. 05-01-2026 Michiganense Donation

APPROVED BY

Douglas L. Moore, MSA, Assistant Director of Public Works — Date: May 01, 2026

Benjamin N. Grier, JD, CPA, Finance Director — Date: May 01, 2026

Maureen Miller Brosnan, Mayor — Date: May 01, 2026

Russell, Jill

From: Moore, Doug
Sent: Monday, April 27, 2026 9:21 AM
To: Russell, Jill
Cc: Haapala, Zach; Gabriel, Trisha
Subject: FW: 2025 Greenleaf Commission Native Plant Sale - Donation Payment Information

Hi Jill,

Another Civic Clerk letter request for the next agenda. When time permits, please do a request up to receive a donation from the information below to go to Greenleaf.

Douglas L. Moore, MSA
Assistant Director of Public Works
City of Livonia | Department of Public Works
(734) 466-2617
dmoore@livonia.gov

From: Reed Boskey <reed@michiganensenatives.com>
Sent: Monday, April 27, 2026 9:16 AM
To: Moore, Doug <dmoore@livonia.gov>
Cc: Baringhaus, James <Jbaringhaus@gmail.com>; Gabriel, Trisha <tgabriel@livonia.gov>; Mullett, Katie <kmullett5@gmail.com>; Cullum, Terry <tccullum@att.net>; Calhoun, Elizabeth <daveteds@aol.com>
Subject: Re: 2025 Greenleaf Commission Native Plant Sale - Donation Payment Information

Hi Doug,

Thanks for the direction in this.

Check amount will be $138
Check will be from Adam Huttenstine, owner of Michiganense Natives plant nursery in Plymouth.
Please let me know if you need anything else! We're doing another sale this year, so we'll have another donation coming in a couple months.

Best,

Reed Boskey (he/him), Remote Sales & Field Manager
Michiganense Natives
Plymouth, MI
217-493-1083
Website

On Mon, Apr 27, 2026 at 08:59 Moore, Doug <dmoore@livonia.gov> wrote:

Jim,

We must figure this process out. I will need to know how much the donation check is, and the specifics of Reed's organization (address, title, etc.). To receive this, it will have to go to Council for their acceptance at a meeting. The department will get a Civic Clerk input made for Council to accept the donation.

Douglas L. Moore, MSA
Assistant Director of Public Works
City of Livonia | Department of Public Works
(734) 466-2617
dmoore@livonia.gov
www.livonia.gov

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and/or exempt from disclosure under applicable laws. If the reader of the message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and/or reply to this e-mail message. Thank you.

From: Jim Baringhaus <jbaringhaus@gmail.com>
Sent: Sunday, April 26, 2026 4:22 PM
To: Moore, Doug <dmoore@livonia.gov>; Gabriel, Trisha <tgabriel@livonia.gov>
Cc: Reed Boskey <reed@michiganensenatives.com>; Mullett, Katie <kmullett5@gmail.com>; Cullum, Terry <tccullum@att.net>; Calhoun, Elizabeth <daveteds@aol.com>
Subject: 2025 Greenleaf Commission Native Plant Sale - Donation Payment Information

Doug/Trisha:

Reed Boskey/Michiganense Natives would like to donate a portion of the proceeds from the 2025 Greenleaf Commission Native Plant Sale to the Greenleaf Commission.

Please advise on the appropriate party to whom the contribution check should be made payable, as well as the correct mailing address for submission.

Thank you for your assistance.

Best regards,

Jim

James M. Baringhaus
Chairperson - Greenleaf Commission | City of Livonia
734.838.7957

jbaringhaus@livonia.gov

LivoniaGreenleaf.org

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

15. ACCEPTANCE OF DONATION: from the Michigan Recycling Coalition, to educate and provide outreach to Livonia residents on the City's recycling program.

Doug Moore, Assistant Director of Public Works, stated the Greenleaf Commission was instrumental in receiving the grant, he stated they are trying to improve their recycling approach, and requests acceptance of the donation.

Motion was made by Councilmember McDonnell to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

15.

DPW
April 30, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

ACCEPTANCE OF DONATION: from the Michigan Recycling Coalition, to educate and provide outreach to Livonia residents on the City's recycling program.

BACKGROUND DETAILS

The Department of Public Works has received a donation in the amount of $7,500.00 from the Michigan Recycling Coalition to educate and provide outreach to Livonia residents on the City's recycling program.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

We respectfully request that the Livonia City Council accept this donation THE COUNCIL DOES, FOR AND ON BEHALF OF THE CITY OF LIVONIA, ACCEPT A DONATION IN THE AMOUNT OF $7,500 THE SAME TO BE DEPOSITED IN AND CREDITED TO ACCOUNT NO. 226-528-818-025 (Curbside Recycling) to be used to further educate and provide outreach to Livonia residents on the City's recycling program.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

N/A

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

N/A

DETAILED WORK BEING PERFORMED

N/A

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

The Department further requests that Council does hereby credit $7,500 to ACCOUNT NO. 226-528-818-025 (Curbside Recycling) to be used by the City of Livonia to further educate and provide outreach to

Livonia residents on the City's recycling program.

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

N/A

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): N/A

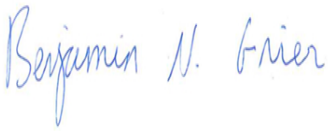
ATTACHMENTS

1. 2026 Grant Award - Recycling LTC

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works — Date: May 04, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: May 08, 2026



Maureen Miller Brosnan, Mayor — Date: May 08, 2026

Russell, Jill

From: Moore, Doug
Sent: Thursday, April 30, 2026 5:25 AM
To: Russell, Jill
Cc: Gabriel, Trisha; Haapala, Zach
Subject: FW: Livonia Subaward Agreement Status
Attachments: Livonia Subaward Agreement Signed 2026.pdf

Morning Jill,

Another grant award to be received! When able, please do a Civic Clerk entry for this grant so that we be able to get this on the agenda for May 18.

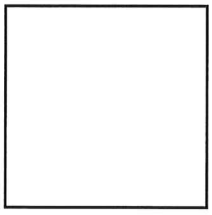
Thank you.

Douglas L. Moore, MSA
Assistant Director of Public Works
City of Livonia | Department of Public Works
(734) 466-2617
dmoore@livonia.gov

From: Katie Fournier <kfournier@michiganrecycles.org>
Sent: Wednesday, April 29, 2026 3:47 PM
To: Gabriel, Trisha <tgabriel@livonia.gov>
Cc: Moore, Doug <dmoore@livonia.gov>
Subject: Re: Livonia Subaward Agreement Status

Hi Trisha, I was under the impression that we were good to go on the agreement, we received the signed agreement from you on 3/31, see attached.

Please let me know if that status has changed.



On Wed, Apr 29, 2026 at 2:29 PM Gabriel, Trisha <tgabriel@livonia.gov> wrote:

> Hi Katie,
>
> I wanted to follow up on the status of subaward agreement. Since we will be accepting the grant, we will need to get it Council for approval. Once I received the fully signed agreement, I will get the ball rolling to get this on the agenda.

Leveling Up Recycling Education & Outreach in Michigan Subaward Agreement

Section I. Description of Subaward

Title: Educate & Provide Outreach to Livonia Residents on the City's Recycling Program

Description: The Michigan Recycling Coalition (MRC) will provide Michigan communities with curated education and outreach tools, strategies, training, and resources, drawing on their EPA-funded model recycling program toolkit and other materials, combined with one-on-one technical assistance. Communities with existing programs ready for improvement or seeking to establish new recycling initiatives will receive direct support to implement effective outreach strategies. MRC will offer hands-on consulting and limited financial support to community-based staff to develop programming and deliver community-based education, with the goal of increasing material recovery and reducing contamination. Local program managers will create ready-to-implement educational materials as they enhance or launch recycling programs. Key activities include assessments to evaluate community capacity, supporting the development of community-driven educational plans, providing ongoing guidance through on-site or virtual meetings, and implementing education strategies such as printed and mailed campaigns, bin and cart labeling, web-based or multimedia outreach, and waste characterization studies. MRC will also assist in exploring additional funding opportunities and work with staff to collect program-specific data and metrics to measure the outcomes of educational plan implementation, ensuring communities are equipped to deliver effective, sustainable recycling education.

Research and Development: N/A

Section II. Federal Requirements.

A. Federal Award Identification

1. Subrecipient name--which must match registered name in the System for Award Management (SAM). If the subrecipient is not yet registered in SAM, then information about registration procedures may be found at the SAM Internet site (currently at http://www.sam.gov).

City of Livonia

2. The subrecipient's "unique entity identifier" in SAM. The unique entity identifier currently is the subrecipient's Data Universal Numbering System (DUNS) number. DUNS numbers may be obtained without charge at http://fedgov.dnb.com/webform.

WG2XSL4YB7N4

Note: Additional information regarding obtaining a DUNS number and registering in SAM is available in the "General Term and Conditions" (T&Cs), under the "Central Contractor Registration/System for Award Management and Universal Identifier Requirements" T&C, of the pass-through entity's agreement with EPA.

3. Federal Award Identification Number (FAIN): 84080601

4. EPA Award Date: 08/29/2024
5. Subaward Period of Performance Start and End Date: 4/01/2026 - 8/01/2026
6. Amount of EPA Funds Obligated: $7,500
7. Total or cumulative amount of EPA Funds Obligated to the subrecipient under the initial subaward plus any subsequent funded amendments: $7,500
8. Total Amount of the EPA Award(s) to the pass-through entity: $1,821,886.00
9. Federal award project description: This agreement provides funding from the Infrastructure Investment and Jobs Act (IIJA). EPA's Consumer Recycling Education and Outreach (REO) Grant Program will fund a range of projects that will increase waste prevention activities, increase the collection of recyclable materials and program participation rates, and decrease contamination of the recycling stream, fund projects that focus on commonly recycled materials such as municipal solid waste (e.g., plastics, aluminum, paper, glass, etc.), including food waste and organics, and/or fund projects and provide tools and technical assistance that will lead to long-term, sustained change, benefits, and support beyond the life of the grant. The purpose of this award is to enhance the Michigan Recycling Coalitions' efforts to meet the REO grants elements. Specifically, the work plan outlined by the Michigan Recycling Coalition encompasses a comprehensive strategy to enhance recycling education and infrastructure across Michigan, with a focus on rural and disadvantaged communities. This involves offering professional development opportunities for materials management, including specialized training in composting and recycling, to improve skills and knowledge. Concurrently, the plan includes extensive community outreach and education efforts, such as developing and distributing educational materials, organizing workshops, and conducting outreach programs to increase recycling participation and reduce contamination. To assess progress, systematic data collection on recycling rates, contamination levels, and program participation will be implemented.

Additionally, the plan aims to create jobs by hiring new staff for the Michigan Recycling Coalition and supporting the establishment of recycling-related positions within Michigan. Collaboration with various stakeholders, including state agencies, local governments, and private organizations, will be essential to fostering a comprehensive approach to recycling education and infrastructure enhancement. These activities are designed to meet specific performance metrics, including increasing the quantity and quality of recycled materials, engaging a significant number of communities, particularly those that are disadvantaged, and ensuring sustainability and replicability beyond the grant period.

Michigan Recycling Coalition will perform the following activities; organizing and delivering professional training sessions for materials management, covering topics such as waste reduction, recycling, composting, and more. These training sessions will be conducted annually and will involve contracting services for facilitation, planning events, identifying locations, developing training materials, promoting the events, and evaluating their effectiveness. Additionally, specialized workshops will be held focusing on organics management topics, such as food waste services, compost site operations, and compost use and application. These workshops will also include contracting speakers, planning events, identifying locations, developing materials, promoting events, and offering scholarships for participants from rural and disadvantaged communities. Moreover, the Master Recycler and Master Composter programs will be updated and expanded, involving tasks such

as updating training manuals, engaging regional representatives, facilitating train-the-trainer workshops, and providing financial assistance for training delivery. Furthermore, the project will create educational resources and conduct outreach activities aimed at the commercial sector, including developing an educational library, organizing presentations, and promoting the use of educational resources. Throughout these activities, data collection and evaluation will be conducted to measure outcomes, such as changes in recycling rates, contamination levels, and community participation. Finally, efforts will be made to ensure project sustainability and replicability beyond the grant period, including hiring staff, collaborating with partners, and leveraging additional funding opportunities.

The objective of this project is to improve recycling education and outreach, reduce contamination in recycling streams, and increase recycling rates in Michigan communities. This will be achieved through professional training programs, community engagement, and strategic partnerships aimed at enhancing local recycling programs and promoting sustainable materials management practices. Anticipated deliverables from the Michigan Recycling Coalition workplan include professional training sessions on materials management, specialized workshops on organics management topics, updated Master Recycler and Master Composter programs, an educational library for the commercial sector, and outreach presentations. Expected outcomes encompass increased knowledge and skills among participants, improved waste management practices, reduced contamination in recycling streams, enhanced community engagement, and the creation of temporary and permanent jobs.
The intended beneficiaries include professionals in the recycling and waste management sectors, community members interested in sustainability and environmental initiatives, businesses seeking to improve their recycling practices, and individuals from rural and disadvantaged communities.

A key component of the project are 50 subawards in the amount of $7,500 to municipal institutions identified under Deliverable 2 Task 2.2 for work performed by the identified municipalities as described in Task 2.5 of the Project Narrative. The subaward will only be for fees associated with deliverables identified in task 2.5 and the municipal institutions federally approved indirect cost rate. These costs are reasonable because the compensation will not exceed that received for privately funded work and the indirect cost rate will be approved by the municipal institution's cognizant federal agency.

10. Federal awarding agency: U.S Environmental Protection Agency
11. Administering Organization of Subaward: Michigan Recycling Coalition
12. Subaward Primary Contact: Katie Fournier kfournier@michiganrecycles.org 517-258-1301
13. Catalog of Federal Domestic Assistance (CFDA) Number: 66.921 - Recycling Education and Outreach
12. Indirect cost rate: 10%
B. Requirements to ensure that the EPA award is used in accordance with Federal statutes, regulations and the terms of the EPA award. The subrecipient is accountable to the pass-through entity for compliance with Federal requirements.
These requirements include:

1. Title VI of the Civil Rights Act and other Federal statutes and regulations prohibiting discrimination in Federal financial assistance programs, as applicable.

In carrying out this agreement, the recipient must comply with: 1) Title VI of the Civil Rights Act of 1964, which prohibits discrimination based on race, color, and national origin, by entities receiving Federal financial assistance. 2) Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination against persons with disabilities by entities receiving Federal financial assistance; and 3) The Age Discrimination Act of 1975, which prohibits age discrimination by entities receiving Federal financial assistance. ii. iii. If the recipient is an education program or activity (e.g., school, college, or university) or if the recipient is conducting an education program or activity under this agreement, it must also comply with: 1) Title IX of the Education Amendments of 1972, which prohibits discrimination on the basis of sex in education programs and activities operated by entities receiving Federal financial assistance.

2. EPA participation in the salary rate (excluding overhead) paid to individual consultants retained by recipients or by a recipient's contractors or subcontractors shall be limited to the maximum daily rate for a Level IV of the Executive Schedule, available at: https://www.opm.gov/policy-dataoversight/pay-leave/salaries-wages/, to be adjusted annually. This limit applies to consultation services of designated individuals with specialized skills who are paid at a daily or hourly rate. This rate does not include transportation and subsistence costs for travel performed (the recipient will pay these in accordance with their normal travel reimbursement practices). Information on how to calculate the maximum daily rate and the daily pay limitation is available at the Office Of Personnel Management's Fact Sheet: How to Compute Rates of Pay and Fact Sheet: Expert and Consultant Pay.

Specifically, to determine the maximum daily rate, follow these steps: (1) Divide the Level IV salary by 2087 to determine the hourly rate. Rates must be rounded to the nearest cent, counting one-half cent and over as the next higher cent (e.g., round $18.845 to $18.85). (2) Multiply the hourly rate by 8 hours. The product is the maximum daily rate.

4. EPA's prohibition on paying management fees. Management Fees or similar charges in excess of the direct costs and approved indirect rates are not allowable. The term "management fees or similar charges" refers to expenses added to the direct costs in order to accumulate and reserve funds for ongoing business expenses; unforeseen liabilities; or for other similar costs which are not allowable under this assistance agreement. Management fees or similar charges may not be used to improve or expand the project funded under this agreement, except to the extent authorized as a direct cost of carrying out the scope of work.

EPA provides general information on other statutes, regulations and Executive Orders on the Grants internet site at www.epa.gov/grants.

C. Additional requirements:

1. The subawardee will be responsible for submitting monthly reports demonstrating progress on project deliverables. A report template will be provided by the Michigan Recycling Coalition.
2. The subawardee will be required to receive prior approval from the MRC for the allocation of funds for project costs. Once a cost is approved the MRC will provide the funds for project costs through direct deposit. The subawardee must demonstrate project expenses through financial records that are submitted to the MRC monthly including invoices, receipts, and bank statements.

D. Subrecipient's Indirect Cost Rate. The indirect cost rate may be a rate negotiated and approved by the subrecipient's cognizant Federal agency. If the subrecipient does not have a Federal indirect cost rate, the pass-through entity may negotiate an indirect cost rate with the subrecipient that complies with 2 CFR Part 200, Subpart E or use the 10% de-minimis indirect cost rate described at 2 CFR 200.414(f).

N/A

E. Requirements for the subrecipient to provide access to subaward records so that the pass-through entity and Federal auditors may verify compliance with 2 CFR 200.331 as well as 2 CFR Part 200, Subpart D, Post Federal Award Requirements for Financial and Program Management, and 2 CFR Part 200, Subpart F, Audit Requirements. Examples of records include:

1. Subrecipient financial statements and reports;
2. Programmatic reports including information on environmental results
3. Audit findings

F. Additional Requirements imposed by the pass-through entity under 2 CFR 200.207 that reflect the pass-through entity's assessment of the subrecipient's risk of noncompliance with Federal statutes, regulations and the terms and conditions of the subaward based on the factors described at 2 CFR 200.331(b).

1. Risk factors may include:

(a) Prior experience with same or similar subawards;
(b) Results of previous audits;
(c) Whether new or substantially changed personnel or systems, and;
(d) Extent and results of Federal awarding agency or the pass-through entity's monitoring.

2. Examples of additional requirements authorized by 2 CFR 200.207 include:

(a) Requiring payments as reimbursements rather than advance payments;
(b) Withholding authority to proceed to the next phase until receipt of evidence of acceptable performance within a given period of performance;
(c) Requiring additional, more detailed financial reports;
(d) Requiring additional project monitoring;
(e) Requiring the non-Federal entity to obtain technical or management assistance, and;

(f) Establishing additional prior approvals.

G. Terms and conditions concerning the close out of the subaward: Upon completion of the agreed upon project plan the Michigan Recycling Coalition will disperse final payment. The subawardee will submit a final report to the MRC summarizing all activities, outcomes, evaluation, and key findings. Additionally, all financial transactions must be reconciled at the time of close-out. Any unspent funds or outstanding financial matters must be addressed prior to Agreement closure. The MRC will review the final report and financial records to confirm that all contractual obligations have been met.

Section III.

Anti-discrimination policy: The Michigan Recycling Coalition does not and shall not discriminate on the basis of race, color, religion, gender, gender expression, age, national origin, disability, marital status, sexual orientation, or military status, in any of its activities or operations. We are committed to providing an inclusive and welcoming environment for all members of our staff, clients, volunteers, subcontractors, vendors, and clients. We strongly encourage women and minority-owned businesses to apply.

Trisha Gabriel Digitally signed by Trisha Gabriel Date: 2026.03.31 15:17:53 -04'00' 03/31/2026

Signature of Subawardee Date

Katie Digitally signed by Katie Date: 2026.04.01 07:42:02 -04'00' 4/1/2026

Signature of MRC Date

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

16. AWARD OF BID: Ford Field Backstop and Dugout Bench Replacements for Diamond #7, from budgeted funds.

Doug Moore, Assistant Director of Public Works, stated due to a good previous pricing in diamond replacement the department is looking to replace the last one left with leftover budgeted funds.

Motion was made by Councilmember Ptashnik to put the matter on the Consent portion of the next Regular Agenda.

DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

16.

DPW
April 28, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

AWARD OF BID: Ford Field Backstop and Dugout Bench Replacements for Diamond #7, from budgeted funds

BACKGROUND DETAILS

On December 8, 2025, a bid request was placed on BidNet for the replacement of two backstops and dugouts (#3 & #6) at the Ford Field ball diamond complex. Four (4) bids were received and opened by the Bid Committee on January 13, 2026. The lowest bidder was Nationwide Construction Group, 69941 Lowes Plank Rd., Richmond, MI, who has been awarded previous bids to work on Ford Field and did a great job on those projects. (CR#61-26). After the replacement of backstops and dugouts #3 and #6 were completed, funds for the project remained, and Nationwide has agreed to replace field #7's backstop and dugouts at a discounted rate, to keep the projects within budgeted funds. With completion of #7, we will have replaced all parks' backstops over the last several years.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Award the Ford Field #7 backstop and Dugout replacement project to Nationwide Construction Group, 69941 Lowes Plank Rd., Richmond, MI 48062 in the amount of $14,140.00 from budgeted funds in account #401-000-974-000.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

One (1) galvanized chain-link backstops, two (2) players benches

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

$14,140.00
GL# 401-000-974-000

DETAILED WORK BEING PERFORMED

Removal and replacement of one (1) existing backstop and two (2) player's benches at ball diamond #7, Ford Field.

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

$14,140.00

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

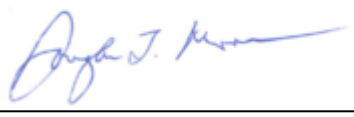
Lowest bid accepted

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): n/a

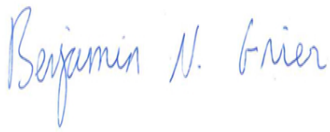
ATTACHMENTS

1. Nationwide Backstop No. 7
2. 61-26 - Ford Field Backstop project

APPROVED BY



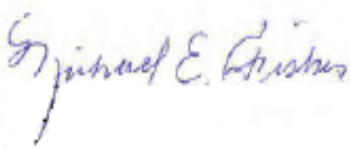
Douglas L. Moore, MSA, Assistant Director of Public Works — Date: April 28, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: May 01, 2026



Maureen Miller Brosnan, Mayor — Date: May 01, 2026



Mike Fisher, Chief Assistant City Attorney — Date: May 01, 2026

NATIONWIDE
CONSTRUCTION GROUP
P.O. BOX 458
RICHMOND, MI 48062

CORPORATE OFFICE: 69951 LOWE PLANK RD.
RICHMOND, MI 48062
PHONE: (586) 749-6900 FAX: (586) 749-6909
An RMD Holdings, Ltd. Company

INVOICE

Invoice #	2041091
Invoice Date	4/13/2026
NCG Job #	26-054AI
Customer #	1043
Terms:	Net 30

Sold To: City of Livonia
15100 Hubbard
Livonia, MI 48154

Job Location: 33771 Lyndon St.
Livonia, MI 48154

Description	Price
CO#1 - Add diamond #7 Dugout and Backstop replacement	14,140.00

Please remit payment to:
P.O. Box 458, Richmond MI 48062

Total	14,140.00
Sales Tax	
Retainage	
Net Due this Invoice	14,140.00

#61-26 RESOLVED, that having considered the report and recommendation of the Assistant Director of Public Works, dated January 15, 2026, which bears the signatures of the Director of Public Works, the Director of Finance and the City Attorney, and is approved for submission by the Mayor, THE COUNCIL DOES HEREBY ACCEPT THE BID OF NATIONWIDE CONSTRUCTION GROUP, 69941 LOWES PLANK RD., RICHMOND, MI 48062, FOR PERFORMING ALL WORK REQUIRED IN CONNECTION WITH THE REMOVAL AND REPLACEMENT OF TWO (2) EXISTING BACKSTOPS AND FOUR (4) DUGOUT BENCHES AT THE FORD FIELD BALL DIAMOND COMPLEX, DIAMONDS #3 AND #6, IN AN AMOUNT NOT TO EXCEED $30,440.00, the same having been the lowest bid received and meets all specifications; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed $30,440.00 from funds budgeted in Account No: GL# 401-000-974-000 for this purpose; and the Mayor and City Clerk are hereby authorized, for and on behalf of the City of Livonia, to execute a contract with the aforesaid bidder and to do all other things necessary or incidental to the full performance of this resolution.

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer

18. REQUEST FOR AUTHORIZATION TO WAIVE THE SEALED BID PROCESS AND PURCHASE FROM SOLE SOURCE PROVIDER: for the purchase of stormwater, water main and sanitary manhole-related items in an amount not to exceed $200,000.00 annually, for the period of July 1, 2026, to June 30, 2027, from budgeted funds.

    Zach Haapala, Assistant Director of Public Works, stated the item is an annual process, the department has worked with the company for a long period of time, and would like to continue their working relationship.

    Motion was made by Councilmember Persiconi to put the matter on the Consent portion of the next Regular Agenda.

    DIRECTION: APPROVING CONSENT

LETTER TO THE LIVONIA CITY COUNCIL

18.

DPW
May 5, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Zach Haapala, MPA, Assistant Director of Public Works

AGENDA ITEM

REQUEST FOR AUTHORIZATION TO WAIVE THE SEALED BID PROCESS AND PURCHASE FROM SOLE SOURCE PROVIDER: for the purchase of stormwater, water main and sanitary manhole-related items in an amount not to exceed $200,000.00 annually, for the period of July 1, 2026, to June 30, 2027, from budgeted funds.

BACKGROUND DETAILS

For many years, the Department of Public Works has made purchases from the above-referenced vendor. EJ USA, Inc. manufactures and supplies fire hydrants, water main valves, sanitary and storm structure frames and covers (the manhole covers are cast at the foundry with the City logo and name). These items are manufactured in the State of Michigan and supplied solely by EJ USA, Inc. We have checked the unit prices charged for these items and found them to be comparable with those paid by other municipalities. This year's not-to-exceed amount has a 33% increase from last year, as this year we need to purchase breakaway hydrants to be installed along Industrial Drive between Stark and Farmington Road. Their unit pricing is the same across the board for all communities using comparable products. We note that the City would experience large up-front charges to go to another foundry and set up the City's complete casting specifications. In addition, there would be a large increase in the freight charges the City would encounter going to a new manufacturer located outside the State of Michigan on every order placed. EJ USA, Inc. has a distribution center located in Oak Park and has been very responsive in the past, meeting the City's needs.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

It is the request of the Department of Public Works that Council waive the formal bidding process in accordance with Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding in this situation. Further, authorize the Mayor and City Clerk to execute a one-year contract for and on behalf of the City of Livonia, with EJ USA, Inc., 13001 Northend Avenue, Oak Park, Michigan 48237, for the purchase of stormwater, water main and sanitary manhole related items, in an amount not to exceed $200,000.00 for the period of July 1, 2026, through June 30, 2027; FURTHER; the Council does hereby authorize an expenditure in an amount not to exceed $200,000.00 from funds already budgeted in Account Nos. 592-559-787-050 (Water Main Supply), 592-559-787-060 (Water Valves and Gate Wells), 592-559-

787-070 (Hydrant Supply) and 592-559-796-000 (Sanitary Supply) for this purpose; FURTHER, the Council does hereby authorize such action without competitive bidding for the reasons indicated in the aforesaid communication, and such action is taken in accordance with Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Fire hydrants, water main valves, sanitary and storm structure frames and covers (the manhole covers are cast at the foundry with the City logo and name). Exact quantities vary from year-to-year, based on road projects, new subdivision builds, etc.

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

Contract pricing valid from July 1, 2026, to June 30, 2027

DETAILED WORK BEING PERFORMED

N/A

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

$200,000.00 from funds already budgeted in Account Nos. 592-559-787-050 (Water Main Supply), 592-559-787- 060 (Water Valves and Gate Wells), 592-559-787-070 (Hydrant Supply) and 592-559-796-000 (Sanitary Supply)

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

N/A

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Waive the formal bidding process in accordance with Section 3.04.140.E.3 of the Livonia Code of Ordinances, as amended since no advantage to the City would result from competitive bidding.

ATTACHMENTS

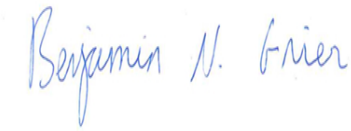
1. One Year Bid July 1 2026 - June 30 2027 EJ Quote 26-27

APPROVED BY

Zach Haapala

Zach Haapala, MPA, Assistant Director of Public Works

Date: May 07, 2026



Date: May 07, 2026

Benjamin N. Grier, JD, CPA, Finance Director



Date: May 08, 2026

Eric Goldstein, City Attorney



Date: May 08, 2026

Maureen Miller Brosnan, Mayor

EJ
301 Spring Street
PO Box 439
East Jordan, MI 49727-0439

+1 231 536 2261
800 874 4100
ejco.com

April 30, 2026

City of Livonia
Honorable Members of the Council
33000 Civic Center Drive
Livonia, MI 48150

Re: 2026-2027 Prices

Dear Council Members,

Please consider attached quote number 00873540 for your sole source supplier of castings, hydrants and valves beginning July 1, 2026 thru June 30, 2027.

As you may recall, in January 2012, East Jordan Iron Works, Inc., East Jordan, Michigan, and its affiliated global companies announced that all are now conducting business under the same name and brand, EJ. Company headquarters and ownership remain unchanged.

As we have since 1883, we will continue to provide the same quality products and excellent service that our customers have come to expect. One global identity reinforces the value that EJ provides by giving our customers immediate access to those who have the best knowledge and expertise in the industry.

EJ continues its commitment to working with the City of Livonia, in the manner that we have for numerous years. EJ has aided in the development of the current city specifications and custom logo covers and we remain committed to the City of Livonia in product and service.

We greatly value our relationship and appreciate your business. We look forward to working with you again to meet the challenges of the marketplace in 2026-2027.

Please feel free to contact me with questions, or any additional assistance you may need.

Regards,
EJ USA, INC.

Wesley Krum
Sales Representative

cc: Sharon Zalewski, Branch Manager

800 268 4653
ejco.com

Quotation
00873540

Account Name	City of Livonia DPW	**Quote Name**	One Year Bid July 1 2026 - June 30 2027-Quote
Ship to	WATER and SEWER FIELD OPERATION, 12973 FARMINGTON ROAD, Livonia, MI, 48150, US	**Created Date**	04/30/2026
		Expiration Date	05/30/2026
Requested By		**Prepared By**	Wesley Krum
Business Phone	734-466-2200	**Email**	wes.krum@ejco.com
Email		**Phone**	(248) 546 2004

Line	Quantity	Product No.	Description	Notes	Line Charge	Sales Price (USD)	Total Price (USD)
1	1	INFO	-	Prices are good for One Year. July 1, 2026 - June 30, 2027		0.00	0.00
2	1	INFO	-	RW Valves Open Right		0.00	0.00
3	1	2200310	3" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			620.14	620.14
4	1	2200410	4" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			689.04	689.04
5	1	2200610	6" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			867.55	867.55
6	1	2200810	8" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			1,396.87	1,396.87
7	1	2201010	10" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			2,178.41	2,178.41
8	1	2201210	12" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			2,756.16	2,756.16
9	1	2201610	16" Resilient Wedge Gate Valve MJ 2" Operating Nut OR			9,239.24	9,239.24
10	1	INFO	-	RW Tapping Valves		0.00	0.00
11	1	2500410	4" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			867.57	867.57
12	1	2500610	6" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			1,224.61	1,224.61
13	1	2500810	8" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			1,818.13	1,818.13
14	1	2501010	10" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			2,763.99	2,763.99
15	1	2501210	12" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			4,134.24	4,134.24
16	1	2501610	16" Resilient Wedge Gate Valve MJ x Tap 2" Operating Nut OR			10,792.16	10,792.16
17	1	INFO	-	Hydrants		0.00	0.00
18	1	1D566M01002490A	5BR250 Hydrant 5'6" MJ 1 1/8" Pent Carroll 2DTP D Dome 2-1 3 3/4" Pumpers OL Red 54033D	5BR250		3,301.45	3,301.45

EJ USA, Inc. Terms and Conditions apply, which are located at https://ejco.com/ustc. Material takeoff quantities not guaranteed. Price subject to change.

Line	Quantity	Product No.	Description	Notes	Line Charg	Sales Price (USD)	Total Price (USD)
19	1	1D56DF01005100A	5BR250 DFD Conversion Hydrant 5'6" 1 1/8" Pent Carroll D Dome 2-1 3 3/4" Pumpers OL Radiant Red 83401D	DFD Conversion		3,938.02	3,938.02
20	1	INFO	-	Valve Box and Valve Box Parts		0.00	0.00
21	1	85604566	8560 Screw Type 3 Piece Valve Box Set D Box: #4 Base, 30B Bottom, 26T Top, Water Cover, Black Coated	Used with4", 6" and 8" Valves		306.75	306.75
22	1	85604567	8560 Screw Type 3 Piece Valve Box Set D Box: #6 Base, 30B Bottom, 26T Top, Water Cover, Black Coated	Used with 10", and 12" Valves		323.04	323.04
23	1	85508009	8550 Screw Type Valve Box Extension Riser #69, 16-1/2" Tall for 2-1/2"-9" Height Adjustment, Black Coated			81.41	81.41
24	1	85508018	8550 Screw Type Valve Box Extension Riser 18A, 22-1/2" Tall for 2-1/2" - 15" Height Adjustment, Black Coated			94.08	94.08
25	1	85508024	8550 Screw Type Valve Box Extension Riser, 28-1/2" Tall for 2-1/2" - 21" Height Adjustment, Black Coated			99.51	99.51
26	1	85008010	8500H Solid Round Gray Iron 1" Valve Box Adjustment Riser for 5-1/4 Valve Boxes			31.38	31.38
27	1	85008015	8500H Solid Round Gray Iron 1-1/2" Valve Box Adjustment Riser for 5-1/4" Valve Boxes, Cover 7-5/16" Dia x 2-1/16" Seat			38.00	38.00
28	1	85008020	8500H Solid Round Gray Iron 2" Valve Box Adjustment Riser for 5-1/4" Valve Boxes			42.94	42.94
29	1	85008025	8500H Solid Round Gray Iron 2-1/2" Valve Box Adjustment Riser for 5-1/4" Valve Boxes with Cover 7-5/16" Diameter x 2-1/16" Seat			47.90	47.90
30	1	85008030	8500H Solid Round Gray Iron 3" Valve Box Adjustment Riser for 5-1/4" Valve Boxes with Cover 7-5/16" Diameter x 2-1/16" Seat			54.51	54.51
31	1	85008040	8500H Solid Round Gray Iron 4" Valve Box Adjustment Riser for 5-1/4 Valve Boxes			66.08	66.08
32	1	85008060	8500H Solid Round Gray Iron 6" Valve Box Adjustment Riser for 5-1/4" Valve Boxes with Cover 7-5/16" Diameter x 2-1/16" Seat			87.55	87.55
33	1	INFO	-	DWS Seal Plate Kits		0.00	0.00
34	1	INFO	-	4" DWS		0.00	0.00
35	1	00942230	4D7SEAL PLT BSHG ASY			360.63	360.63
36	1	00942231	4D SEAL PLT GKT			12.85	12.85
37	1	00946565	O-RG I-218 UL 1/8 1-1/4			3.63	3.63
38	1	INFO	-	6" DWS		0.00	0.00
39	1	00942330	6D7SEAL PLT BSHG ASY			216.49	216.49
40	1	00942331	6D SEAL PLT GKT			7.37	7.37
41	1	00944421	O-RG I-220 UL 1/8 1-3/8			3.63	3.63
42	1	INFO	-	8" DWS		0.00	0.00
43	1	00942430	8D7SEAL PLT BSHG ASY			234.00	234.00

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Line	Quantity	Product No.	Description	Notes	Line Charg	Sales Price (USD)	Total Price (USD)
44	1	00942431	8D SEAL PLT GKT			11.04	11.04
45	1	00942538	O-RG I-222 UL 1/8,1-1/2			4.09	4.09
46	1	INFO	-	12" DWS		0.00	0.00
47	1	00942630	12D7 SL PLT BSHG ASY			277.81	277.81
48	1	00942631	12D SEAL PLT GKT			4.25	4.25
49	1	00942639	O-RG I-225 1/8 1-7/8			2.55	2.55
50	1	INFO	-	16" DWS		0.00	0.00
51	1	00942730	16D7 SL PLT BSHG ASY			412.13	412.13
52	1	00942731	16D SEAL PLT GKT			13.17	13.17
53	1	00942739	O-RG I-227 1/8 2-1/8			1.94	1.94
54	1	INFO	-	Castings		0.00	0.00
55	1	INFO	-	Manhole Risers		0.00	0.00
56	1	00100292	1000H Solid Round Gray Iron 1-1/2" Adjustment Riser for Cover with 23" Diameter x 1-1/4" Seat Thickness, Black Coated			204.97	204.97
57	1	00100293	1000H Solid Round Gray Iron 2" Adjustment Riser for Cover with 23" Diameter x 1-1/4" Seat Thickness, Black Coated			235.20	235.20
58	1	00100295	1000H Solid Gray Iron 2-1/2" Adjustment Riser for Cover 23" Diameter x 1-1/4" Seat Thickness, Black Coated			250.30	250.30
59	1	00100296	1000H Solid Round Gray Iron 3" Adjustment Riser for Cover with 23" Diameter x 1-1/4" Seat Thickness, Black Coated			261.07	261.07
60	1	00100298	1000H Solid Round Gray Iron 4" Adjustment Riser for Cover with 23" Diameter x 1-1/4" Seat Thickness, Black Coated			384.08	384.08
61	1	00104298	1040H Solid Round Gray Iron 2" Adjustment Riser for Cover with 26" Diameter x 1-1/2" Seat Thickness, Black Coated			262.85	262.85
62	1	00103800	1040H Solid Round Gray Iron 3" Adjustment Riser for Cover with 26" Diameter x 1-1/2" Seat Thickness, Black Coated			276.56	276.56
63	1	INFO	-	Frames, Grates and Covers		0.00	0.00
64	1	00104010	1040Z 7" Tall Frame, Black Coated			346.19	346.19
65	1	00104258	1040C Vented 1 Hole Cover City of Livonia Logo Water, Black Coated			247.90	247.90
66	1	00104304	1040 7" Tall Bolted and Gasketed Watertight L1 Manhole Assembly City of Livonia Logo Sanitary, Black Coated			660.34	660.34
67	1	00104291	1040A Solid Cover City of Livonia Logo Sanitary, Black Coated			247.90	247.90
68	1	00101010	1010Z 7" Tall Frame, Black Coated			457.30	457.30
69	1	00100010	1000Z 7" Tall Frame, Black Coated			310.71	310.71
70	1	00100042	1000N Oval 2-5/8" Tall Beehive Style Grate, Dump no Waste! Drains to Waterways, Black Coated			220.04	220.04
71	1	00100022	1000B Vented 20 Hole Cover, Black Coated			233.38	233.38
72	1	00508010	5080Z 6-3/4" Tall Catch Basin Frame, Black Coated			344.48	344.48

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Line	Quantity	Product No.	Description	Notes	Line Charg	Sales Price (USD)	Total Price (USD)
73	1	00500050	5000M1 Grate Dump No Waste! Drains to Waterways, Black Coated			188.92	188.92
74	1	00104510	1045Z 7" Tall Frame, Black Coated			301.33	301.33
75	1	00104610	1046Z 4" Tall Frame, Black Coated			301.33	301.33
76	1	00104022	1040B Vented 16 Hole Cover, Black Coated			247.90	247.90
77	1	00104030	1040M1 Grate, Dump No Waste! Drains to Waterways, Black Coated			230.79	230.79
78	1	00104042	1040N 3-1/4" Tall Beehive Grate, Dump No Waste! Drains to Waterways, Black Coated			241.48	241.48
79	1	00104045	1040 O2 6" Tall Beehive Grate, Black Coated			241.48	241.48
80	1	00500061B01	5000M4 6-3/4" Tall Bolted and Hinged Catch Basin Assembly with Round Base Flange Dump No Waste! Drains to Waterways			591.02	591.02

Notes

Product	56,713.83
Grand Total	56,713.83

EJ USA, Inc. Terms and Conditions apply, which are located at https://ejco.com/ustc. Material takeoff quantities not guaranteed. Price subject to change.

NEW DATA RECEIVED FOR THE
REGULAR MEETING OF JUNE 1, 2026

From: Grysko, Brandon
To: Taormina, Mark
Cc: Kasprowicz, Sara; Dennis Miller; Robert Doehrer
Subject: 38888 Six Mile LLC / Supplemental Correspondence re Traffic Concerns
Date: Tuesday, May 26, 2026 11:48:56 AM
Attachments: image002.png
Exhibit Book 38888 Six Mile .pdf
Ltr re Trip Generation 5.26.26 final (w-o exhibits).pdf

Mr. Taormina:

I am attaching correspondence addressing the concerns raised at the May 18th Study Meeting. I have also compiled information from the existing record that was relied upon in developing this correspondence. I have created a separate numbering system for the Exhibit pages for ease of reference.

The gist of the traffic issue is that the HRC study assumed there would be 1% growth in traffic. It should also be noted that conservative figures were utilized in the trip generation memo. Thus, the number of new trips to a Bucca-style restaurant would likely be higher in reality, and the number of new trips to a car wash would probably be lower. This skews the data. But even with that skew, the trips generated by a car wash are materially covered by the 1% growth rate.

The Fox Drive access point (or lack thereof) would not have an effect on Six Mile traffic. The reason is that at peak times, the wash may have 8-10 cars, but there is stacking capacity for 21 cars. In other words any potential traffic impact is addressed by the existing site conditions.

All the best,

BRANDON M. GRYSKO
Managing Partner

FAUSONE & GRYSKO, PLC
ATTORNEYS AT LAW

41700 Six Mile Road, Suite 101
Northville, Michigan 48168-3460
(248) 912-3240 direct
(248) 281-1656 fax
bgrysko@thefgfirm.law
www.thefgfirm.law
Follow us on Facebook: https://www.facebook.com/FausoneGryskoPLC/
Follow us on LinkedIn: https://linkedin.com/company/fausone-grysko-plc/

EXHIBIT BOOK

Petition 2025-07-02-15 - Mannik Smith Group & 38888 Six Mile LLC

Index of Exhibits

Exhibit Number	Exhibit Name	Exhibit Shorthand	Bates Range
Exhibit A	HRC Traffic Analysis - Six Mile Rd and Fox Drive	HRC Traffic Analysis	0002-0084
Exhibit B	Planning Commission Minutes - August 19, 2025	Planning Commission Minutes	0085-0119
Exhibit C	Council Resolution 402-25	CR 402-25	0120-0123
Exhibit D	MSG Trip Generation Comparison Memo - November 19, 2025	MSG Trip Generation Memo	0124-0133
Exhibit E	Doehrer Letter - October 31, 2025	Doehrer Letter	0134-0136

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

555 Hulet Drive
Bloomfield Hills, MI 48302-0360

248-454-6300

www.hrcengr.com

March 27, 2023

Schoolcraft College
18600 Haggerty Rd
Livonia, MI 48152

Attn: John Wright, Construction Manager

Re: Six Mile Rd and Fox Drive Traffic Analysis
Livonia, Michigan

HRC Job No. 20211149

Dear Mr. Wright:

Hubbell, Roth & Clark, Inc. (HRC) has prepared a traffic analysis to determine traffic operations along Six Mile Rd from Haggerty Rd to the I-275 interchange under the scenario that a traffic signal is installed at the intersection of Six Mile Rd & Fox Dr/Quakertown Ln. This analysis is to supplement the findings of the signal warrant analysis performed at this intersection which concluded that a traffic signal is warranted under Warrant 1: Eight-Hour Vehicular Volume, Warrant 2: Four-Hour Vehicular Volume, and Warrant 3: Peak-Hour Vehicular Volume of the Michigan Manual on Uniform Traffic Control Devices (MMUTCD). This same analysis also concluded that a traffic signal at this intersection can improve safety performance and significantly reduce safety risks for SB left-turn movements. The Six Mile Rd & Fox Dr/Quakertown Ln signal warrant analysis is provided in **Attachment A**.

HRC has undertaken the following tasks to perform this study:

- Examined existing traffic conditions.
- Collected 24-hour traffic counts for four intersections including classification for pedestrians, bicycles, and heavy vehicles to determine current traffic volumes. Movement counts were collected for the following intersections:
  - Six Mile Rd & Haggerty Rd – signalized
  - Six Mile Rd & SB I-275 Off-Ramp – signalized
  - Six Mile Rd & Fox Dr – unsignalized
  - Six Mile Rd & Quakertown Ln – unsignalized
- Generated traffic growth rates of area based on recent Traffic Impact Studies (TIS) in the area.
- Developed traffic models of study area using Synchro 11 software and the techniques outlined in the Highway Capacity Manual (HCM).
- Conducted peak hour capacity analysis for network during AM, midday, and PM peak hours based on the developed models and HCM guidelines for the following alternatives:
  - Existing traffic volumes
  - Background traffic volumes (existing plus future growth rate for 2024)
  - Proposed traffic signal alternative at 6 Mile Rd & Fox Dr/Quakertown Ln with background traffic
- Prepared report with findings and recommendations.
- Meeting to review study findings and recommendations.

Study Area

The study area consists of Six Mile Rd from Haggerty Rd to the I-275 Interchange in the City of Livonia, Wayne County, MI. This corridor is approximately 0.6 miles long and can be characterized as a critical commercial corridor with a large commuter traffic presence throughout the day. Primary intersections along the corridor include the intersections with Haggerty Rd (signalized), Fox Dr (unsignalized), Quakertown Ln (unsignalized), SB I-275 Off-Ramp (signalized), and NB I-275 Off-Ramp (signalized). The location of interest is the intersection of Six Mile Rd & Fox Dr/Quakertown Ln located in the middle of the study corridor. **Figure 1** illustrates the study corridor and study intersections in their entirety.

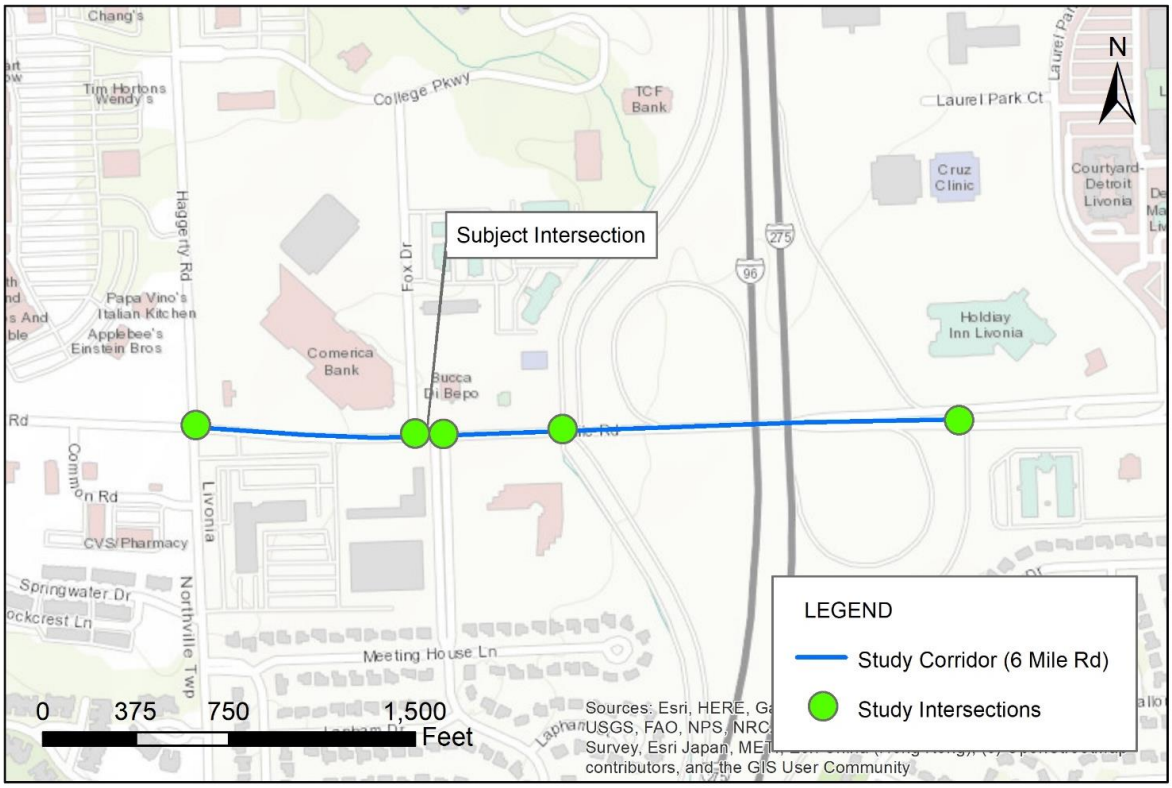


Figure 1: Study Area

The primary study corridor, Six Mile Rd, is an east-west county primary minor arterial. It has a five-lane cross-section with curb and gutter, and a posted speed limit of 45 mph. Haggerty Rd represents the western limit of the study area and similarly is a north-south county primary minor arterial with a five-lane cross-section with curb and gutter, and a posted speed limit of 45 mph. Fox Dr is a north-south private road under the ownership of Schoolcraft College and is the only access point to the Schoolcraft campus from Six Mile Rd. It has a two-lane cross-section with one receiving lane and a SB right only at the intersection with 6 Mile Rd, and a speed limit of 25 mph. Quakertown Ln is a north-south city minor local road with a two-lane cross-section and a posted speed limit of 25 mph. It is a primary access point for the residential subdivision to the south and adjacent commercial developments. Lastly, I-275 is a state trunkline interstate with a posted speed limit of 70 mph. It is a partial cloverleaf interchange at 6 Mile Rd with both SB and NB off-ramps being signalized. I-275 is the eastern limit of the study corridor.

Existing Traffic Volumes

HRC utilized traffic cameras to collect 24-hour turning movement counts on a typical weekday. Turning movement counts (**Attachment A**) were collected for the following intersections:

- Six Mile Rd & Haggerty Rd – signalized
- Six Mile Rd & SB I-275 Off-Ramp – signalized
- Six Mile Rd & Fox Dr – unsignalized
- Six Mile Rd & Quakertown Ln – unsignalized

This data was utilized in the development and analysis of the traffic models. Traffic volumes for the intersection of Six Mile Rd & NB I-275 Off-Ramp were not collected as this location was determined to be outside the area of influence of the intersection of Six Mile Rd & Fox Dr/Quakertown Ln. Nonetheless, this intersection has been included in the traffic model, with volumes estimated from the collected traffic counts.

Traffic Growth & Trip Characteristics

Future traffic volume projections for the study area are based on growth factors from two recent TIS in this area. These include the 2019 Medical Office Building TIS for Schoolcraft College, and the 2020 Beaumont Livonia TIS for the City of Livonia. The two studies reported a 1% and 0.5% annual regional growth respectively. This study utilizes the 1% more conservative annual growth rate. A future growth factor was developed based on the annual growth rate to project traffic volumes to 2024, which represents the year when a traffic signal could become operational. These projections were based on the following growth factor formula:

$$Growth\ Factor = (1 + r)^y$$

Where: r = Annual average growth rate (1 %)
y = Number of years (i.e. 2)

This formula yielded a future growth factor of 1.02. This value was applied to the existing traffic to project volumes to 2024.

In addition, the proposed alternative includes a new SB left-turn lane at the intersection of Six Mile Rd & Fox Dr. The SB left is currently a prohibited movement. The introduction of the SB left-turn lane is expected to attract additional vehicles which currently utilize the SB left-turn at Six Mile Rd & Haggerty Rd to reach I-275. Consequently, a portion of the vehicles exiting the Schoolcraft College campus at College Pkwy and South Dr which use the intersection of Six Mile Rd & Haggerty Rd to reach to I-275 have been diverted to the intersection of Six Mile Rd & Fox Dr under the proposed alternative.

Capacity Analysis

HRC conducted a capacity analysis of the four intersections in the study area using Synchro 11 and following the procedures outlined in the HCM to assess the performance of each intersection. The intersections include:

- Six Mile Rd & Haggerty Rd – signalized
- Six Mile Rd & SB I-275 Off-Ramp – signalized
- Six Mile Rd & Fox Dr – unsignalized
- Six Mile Rd & Quakertown Ln – unsignalized

The capacity analysis was conducted for weekday AM peak, midday peak, and PM Peak. Three alternatives were analyzed:

- Existing traffic volumes
- Background traffic volumes (existing plus future growth rate for 2024)
- Proposed traffic signal alternative at 6 Mile Rd & Fox Dr/Quakertown Ln with background traffic

HRC utilized the HCM definitions of signalized and un-signalized intersections in conducting the capacity analysis.

Signalized Intersections

At signalized intersections, the HCM defines level of service (LOS) in terms of control delay. Delay may be measured in the field or it may be estimated. Delay is a complex measure and is dependent on a number of variables, including the quality of progression, the cycle length, the green ratio, and the volume-to-capacity ratio for the lane group or approach in question. **Table 1** indicates the control delay criteria used for determining LOS for signalized intersections.

Table 1: LOS Criteria for Signalized Intersections

LOS	Control Delay per Vehicle (seconds)
A	≤ 10
B	> 10 to ≤ 20
C	> 20 to ≤ 35
D	> 35 to ≤ 55
E	> 55 to ≤ 80
F	> 80

LOS A describes operations with very low control delay up to 10.0 seconds per vehicle. This occurs when progression is exceptionally favorable and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.

LOS B describes operations with control delay in the range of 10.1 to 20.0 seconds per vehicle. This generally occurs with good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.

LOS C describes operations with control delay in the range of 20.1 to 35.0 seconds per vehicle. These higher delays may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear in this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.

LOS D describes operations with control delay in the range of 35.1 to 55.0 seconds per vehicle. At level D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high volume-to-capacity ratios. Many vehicles stop and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.

LOS E describes operations with control delay in the range of 55.1 to 80.0 seconds per vehicle. This is considered to be above the limit of acceptable delay for an urban roadway in the study area. These high delay values generally indicate poor progression, long cycle lengths, and high volume-to-capacity ratios. Individual cycle failures are frequent occurrences.

LOS F describes operations with control delay in excess of 80.1 seconds per vehicle. This is considered to be unacceptable to most drivers. This condition often occurs with over saturation (i.e., when arrival flow rates exceed the capacity of the intersection). It may also occur at high volume-to-capacity ratios below 1.0 with many individual cycle failures. Poor progression and long cycle lengths may also be major contributing causes to such delay levels.

Un-Signalized Intersections

At an un-signalized intersection with stop control on the minor approach, LOS F occurs when there are not enough gaps of suitable size to allow a minor-street demand to safely cross through traffic on the major street. This is typically evident from long control delays experienced by minor street traffic and by queuing on the minor approaches. LOS F may also appear in the form of drivers on the minor street selecting smaller than usual gaps. In such cases, safety may be a problem and some disruption to the major traffic stream may result. Note that LOS F may not always result in long queues but in

adjustments to normal gap acceptance behavior. For example, this may occur when a left-turning vehicle uses a shorter than normal gap in traffic to complete a left-turn.

At two way stop controlled intersections, the critical movement, often the minor-street left turn, may control the overall performance of the intersection. The lower threshold for LOS F is set at 50 seconds of delay per vehicle. In some cases, the delay equations will predict delays greater than 50 seconds for minor-street movements under very low-volume conditions on the minor street (less than 25 vehicles per hour). A LOS F threshold is reached with a movement capacity of approximately 85 vehicles per hour or less. **Table 2** indicates the control delay criteria used for determining the LOS for un-signalized intersections.

Table 2: LOS Criteria for Un-Signalized Intersections

LOS	Control Delay per Vehicle (seconds)
A	≤ 10
B	> 10 to ≤ 15
C	> 15 to ≤ 25
D	> 25 to ≤ 35
E	> 35 to ≤ 50
F	> 50

Capacity Analysis

Results of the capacity analysis for all four intersections (signalized and un-signalized) during the AM, midday, and PM peak hours for the three alternatives are provided in **Table 3** through **Table 8** below. The Synchro 11 capacity analysis reports are provided in **Attachment B**.

Table 3: AM Peak Hour LOS Comparison for Signalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Haggerty Rd	EB	LT	C	20.4	C	20.6	C	20.5
		TH/RT	C	29.6	C	29.9	C	29.7
	WB	LT	D	40.8	D	40.6	C	33.6
		TH	C	25.7	C	25.8	B	16.7
		RT	C	24.1	C	24.1	A	5.9
	NB	LT	C	23.6	C	23.6	C	23.7
		TH	C	31.6	C	31.7	C	31.7
		RT	C	29.4	C	29.4	C	29.4
	SB	LT	C	27	C	27.3	C	26.7
		TH	C	27.6	C	27.6	C	27.6
		RT	C	26.3	C	26.3	C	26.3
Six Mile Rd & SB I-275	EB	TH	A	9.7	A	9.8	A	9.8
		RT	A	8.6	A	8.6	A	8.6
	WB	TH	A	8.4	A	8.5	A	8.5
	SB	LT	C	29.2	C	29.5	C	29.5
		RT	D	43.4	D	46.4	D	46.4
Six Mile Rd & NB I-275	EB	TH	A	4.5	A	4.6	A	4.6
	WB	TH	A	5.5	A	5.6	A	5.6
	NB	LT/RT	C	32.7	C	32.6	C	32.6
		RT	C	31.8	C	31.8	C	31.8
Six Mile Rd & Fox Dr	EB	LT	na	na	na	na	A	7.2
		TH	na	na	na	na	B	12.6
	WB	TH/RT	na	na	na	na	A	1.2
	SB	LT	na	na	na	na	D	43.1
		RT	na	na	na	na	D	40.5
Six Mile Rd & Quakertown Ln	EB	TH/RT	na	na	na	na	A	4.2
	WB	LT	na	na	na	na	B	13.7
		TH	na	na	na	na	B	12
	NB	LT	na	na	na	na	D	39.4
		RT	na	na	na	na	D	39.5

Table 4: AM Peak Hour LOS Comparison for Unsignalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Fox Dr	EB	LT	B	10.9	B	11	na	na
	SB	LT/RT	B	10.8	B	10.8	na	na
Six Mile Rd & Quakertown Ln	WB	LT	B	10.3	B	10.4	na	na
	NB	LT/RT	B	10.3	B	10.3	na	na

Note: Uncontrolled through and/or right only movements at unsignalized intersections are not shown as they report no delay.

Table 5: Off Peak Hour LOS Comparison for Signalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Haggerty Rd	EB	LT	C	25.8	C	26.3	C	26.3
		TH/RT	C	30.8	C	30.8	C	30.8
	WB	LT	F	139.5	F	157.1	F	146.8
		TH	C	27.9	C	28.1	C	25.2
		RT	D	44.8	D	42.7	D	45.9
	NB	LT	C	21	C	21.2	C	21.2
		TH	C	31.8	C	32.2	C	32.2
		RT	C	28.7	C	29.3	C	29.1
	SB	LT	F	103.1	F	116.3	F	81.9
		TH	C	25.4	C	25.6	C	25.6
		RT	C	21.3	C	21.3	C	21.3
Six Mile Rd & SB I-275	EB	TH	B	11.4	B	11.8	B	16.8
		RT	B	12	B	12.5	D	52.7
	WB	TH	A	7.4	A	7.5	A	7.5
	SB	LT	C	30.4	C	30.8	C	30.8
		RT	C	30.2	C	31.1	C	31.1
Six Mile Rd & NB I-275	EB	TH	A	4.7	A	4.7	A	2.4
	WB	TH	A	5.2	A	5.3	A	5.3
	NB	LT/RT	C	33	C	33	C	33
		RT	C	31.7	C	31.8	C	31.8
Six Mile Rd & Fox Dr	EB	LT	na	na	na	na	B	12.1
		TH	na	na	na	na	B	14.9
	WB	TH/RT	na	na	na	na	A	1.3
	SB	LT	na	na	na	na	D	36.5
		RT	na	na	na	na	C	33.8
Six Mile Rd & Quakertown Ln	EB	TH/RT	na	na	na	na	A	6.8
	WB	LT	na	na	na	na	C	21.4
		TH	na	na	na	na	B	17.2
	NB	LT	na	na	na	na	C	34.5
		RT	na	na	na	na	C	34.5

Table 6: Off Peak Hour LOS Comparison for Unsignalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Fox Dr	EB	LT	B	10.3	B	10.3	na	na
	SB	LT/RT	B	11.3	B	11.3	na	na
Six Mile Rd & Quakertown Ln	WB	LT	B	11.3	B	11.4	na	na
	NB	LT/RT	B	12.6	B	12.7	na	na

Note: Uncontrolled through and/or right only movements at unsignalized intersections are not shown as they report no delay.

Table 7: PM Peak Hour LOS Comparison for Signalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Haggerty Rd	EB	LT	C	30.9	C	31.2	C	30.4
		TH/RT	D	44.8	D	46.7	D	41.7
	WB	LT	F	104.9	F	112.5	F	97.5
		TH	D	37.6	D	38.3	C	30.3
		RT	C	30.6	C	30.7	C	32.9
	NB	LT	C	23.6	C	23.8	C	24.9
		TH	C	34.2	C	34.4	C	34.4
		RT	D	35.2	D	36	D	35.2
	SB	LT	D	47.3	D	51.3	D	39.3
		TH	C	30.5	C	30.6	C	31.8
		RT	C	25.4	C	25.3	C	26
Six Mile Rd & SB I-275	EB	TH	B	11.7	B	11.9	B	11.9
		RT	A	9.6	A	9.6	A	9.6
	WB	TH	A	8.8	A	8.9	A	8.9
	SB	LT	C	32.5	C	33	C	33
		RT	F	83.3	F	93.4	F	93.4
Six Mile Rd & NB I-275	EB	TH	A	5.8	A	6	A	6
	WB	TH	A	5.9	A	5.9	A	5.9
	NB	LT/RT	C	32.6	C	32.5	C	32.5
		RT	C	32.3	C	32.2	C	32.2
Six Mile Rd & Fox Dr	EB	LT	na	na	na	na	B	13.6
		TH	na	na	na	na	C	21.5
	WB	TH/RT	na	na	na	na	A	1.4
	SB	LT	na	na	na	na	D	45.3
		RT	na	na	na	na	D	38.3
Six Mile Rd & Quakertown Ln	EB	TH/RT	na	na	na	na	B	12.7
	WB	LT	na	na	na	na	C	29.3
		TH	na	na	na	na	B	14.3
	NB	LT	na	na	na	na	D	39.6
		RT	na	na	na	na	D	39.5

Table 8: PM Peak Hour LOS Comparison for Unsignalized Intersections

Intersection	Approach	Movement	Existing		Background		Proposed	
			LOS	Delay	LOS	Delay	LOS	Delay
Six Mile Rd & Fox Dr	EB	LT	B	11.6	B	11.7	na	na
	SB	LT/RT	B	13.4	B	13.4	na	na
Six Mile Rd & Quakertown Ln	WB	LT	B	13.8	B	14.1	na	na
	NB	LT/RT	B	14.8	C	15.1	na	na

Note: Uncontrolled through and/or right only movements at unsignalized intersections are not shown as they report no delay.

Results of the capacity analysis indicate acceptable LOS for AM peak for the existing, background, and proposed alternative. Unacceptable LOS F is reported during the off peak for the WB left and SB left turn movements at Six Mile Rd & Haggerty Rd for all three alternatives. These LOS F movements indicate lower delay under the proposed alternative as a result of progression improvements on the WB approach, and fewer number of vehicles expecting to use the SB left at this intersection due to the introduction of a SB left-turn lane at Fox Dr. Capacity analysis results for PM peak indicate comparable trends as the off peak with unacceptable LOS F for the WB left and SB right turn movements at Six Mile Rd & Haggerty Rd for all three alternatives. Lower delay is reported for these movements under the proposed alternative.

For all evaluations, the WB approach at Six Mile Rd & Haggerty Rd reports lower levels of delay under the proposed alternative due to improved progression from the proposed signal at Six Mile Rd & Fox Dr/Quakertown Ln. Improved delay is also expected for the SB left-turn movement of this intersection due to the introduction of a SB left-turn lane at Six Mile Rd & Fox Dr. It should be noted that these results were obtained without any signal timing changes to the existing signals. Signal modifications were only made at the intersections of Six Mile Rd & Fox Dr/Quakertown Ln. Additional corridor improvements are possible from signal timing modifications (i.e. splits and offsets) at the existing signals within the study area.

Conclusions and Recommendations

HRC performed a traffic analysis to determine traffic operations along Six Mile Rd from Haggerty Rd to the I-275 interchange under the scenario that a traffic signal is installed at the intersection of Six Mile Rd & Fox Dr/Quakertown Ln. The analysis was performed for the following alternatives:

- Existing traffic volumes
- Background traffic volumes (existing plus future growth rate for 2024)
- Proposed traffic signal alternative at 6 Mile Rd & Fox Dr/Quakertown Ln with background traffic

Results of the capacity analysis indicate unacceptable LOS F for the WB left and SB left movements at Six Mile Rd & Haggerty Rd during off peak period for all alternatives, and unacceptable LOS F for the WB left and SB right movements at Six Mile Rd & Haggerty Rd during PM peak period for all alternatives. All other movements perform at acceptable LOS. In all cases the WB approach at Six Mile Rd & Haggerty Rd reports lower levels of delay under the proposed alternative due to improved progression from the proposed signal at Six Mile Rd & Fox Dr/Quakertown Ln. Lower levels of delay are also expected at the SB left-turn movement of this intersection due to the introduction of a SB left-turn lane at Six Mile Rd & Fox Dr. These results are obtained without signal timing changes at the existing signals. Signal modifications were only made at the intersections of Six Mile Rd & Fox Dr/Quakertown Ln. Additional corridor improvements are possible from signal timing modifications (i.e. splits and offsets) at the existing signals within the study area.

Given the capacity analysis findings, the proposed alternative is recommended for implementation. This alternative consists of the following geometric and operational modifications at the intersection of Six Mile Rd & Fox Dr/Quakertown Ln:

- Installation of traffic signal. The Fox Dr and Qaukertown Ln streets operate split phased under the same signal. Signal is coordinated with the signal at Six Mile Rd & Haggerty Rd, and the I-275 ramp signals when feasible.
- Installation of SB left-turn lane at Fox Dr.
- Installation of NB left-turn lane at Quakertown Ln.

A concept design of the proposed modifications at Six Mile Rd & Fox Dr/Quakertown Ln is provided in **Attachment C**.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.





Gentjan Heqimi, P.E., PTOE, PTP
Project Engineer

GH/lfm
Attachment: A – Signal Warrant with Traffic Volumes
B – Synchro HCM Reports
C – Preferred Alternative Concept Design

Enclosure
pc: HRC; L. Michaels, File

ATTACHMENT A – SIGNAL WARRANT with TRAFFIC VOLUMES

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

555 Hulet Drive
Bloomfield Hills, MI 48302-0360

248-454-6300

www.hrcengr.com

Memorandum

To: Angela Matthews

From: Gentjan Heqimi, P.E., PTOE, PP

Date: May 25th, 2022

Subject: Traffic Signal Warrant Analysis
6 Mile Rd and Fox Dr/Quakertown Ln

HRC Job No. 20210940

TRAFFIC SIGNAL WARRANT ANALYSIS

At your request, Hubbell, Roth & Clark, Inc. (HRC) conducted a signal warrant analysis at the intersection of 6 Mile Rd and Fox Dr/Quakertown Ln for existing conditions. The subject intersection is a four-leg stop-controlled on the minor offset intersection located in the City of Livonia, MI. Characteristics of each leg of the intersection are as follows:

- 6 Mile Rd (East-West) – Five-lane county minor arterial road with a 45 mph speed limit. The WB direction has a dedicated right-turn lane extending west through the intersection to Haggerty Rd.
- Fox Dr (North) – Two-lane private road with a 25 mph speed limit. No left-turns are allowed out of Fox Dr.
- Quakertown Ln (South) – Two-lane city local road with a 25 mph speed limit.

The investigation of the need for traffic signal controls at this intersection was based on 24 hours turning movement counts collected on Wednesday February 23, 2022. The evaluation consisted of the analysis of factors for the following warrants:

- Warrant 1: Eight-Hour Vehicular Volume
- Warrant 2: Four-Hour Vehicular Volume
- Warrant 3: Peak Hour Vehicular Volume
- Warrant 4: Pedestrian Volume
- Warrant 5: School Crossing
- Warrant 6: Coordinated Signal System
- Warrant 7: Crash Experience
- Warrant 8: Roadway Network
- Warrant 9: Intersection Near a Grade Crossing

A summary of the traffic warrant analysis for the intersection is shown in **Table 1** below. The warrant analysis and traffic volumes are provided in **Attachment A** and **Attachment B** respectively.

Table 1: Traffic Signal Warrant Analysis Summary for 6 Mile Rd and Fox Dr/Quakertown Ln

Warrant		Is Warrant Met?
Warrant 1: Eight-Hour Vehicular Volume	Condition A	No
	Condition B	Yes
	Condition A & B	N/A
Warrant 2: Four-Hour Vehicular Volume		Yes
Warrant 3: Peak-Hour Vehicular Volume	Condition A	No
	Condition B	Yes
Warrant 4: Pedestrian Volume	Condition A	No
	Condition B	No
Warrant 5: School Crossing		No
Warrant 6: Coordinated Signal System		No
Warrant 7: Crash Experience		No
Warrant 8: Roadway Network		No
Warrant 9: Intersection Near a Grade Crossing		No

The analysis indicates that the intersection meets the following three of the nine traffic signal warrants:

- Warrant 1: Eight-Hour Vehicular Volume
  - Met under Condition B for ten hours of the day between 7:00 AM – 9:00 AM and 11:00 AM – 7:00 PM
- Warrant 2: Four-Hour Vehicular Volume
  - Met for five hours of the day between 7:00 AM – 8:00 AM and 3:00 PM and 7:00 PM
- Warrant 3: Peak-Hour Vehicular Volume
  - Met for Condition B for three hours of the day between 7:00 AM – 8:00 AM and 4:00 PM and 6:00 PM

The signal warrant analysis for existing conditions at the intersection of 6 Mile Rd and Fox Dr/Quakertown Ln indicates that a signal is warranted at this location.

SAFETY EVALUATION

A safety evaluation was performed for the intersection of 6 Mile Rd and Fox Dr/Quakertown Ln in addition to the signal warrant analysis. The safety evaluation was based on an analysis of five years of crash data from 2017 through 2021, and review of conflicting turning movements at Fox Dr based on the collected turning movements counts.

The first part of the safety evaluation involved an analysis of five years of crash data. Crashes were obtained from the Transportation Improvement Assocation (TIA) Transportation Data Management System (TDMS). Crashes were associated with the intersection if they occurred within 250 feet of the intersection and confirmed with review of individual UD-10 reports. A summary of the crash characteristics for the intersection is provided in **Table 2.**

Table 2: Intersection Crash Characteristics by Crash Type, 2017 – 2021

Crash Type	Total	2017		2018		2019		2020		2021	
		Injury	PDO	Injury	PDO	Injury	PDO	Injury	PDO	Injury	PDO
Angle	**8**	-	1	-	2	1	2	-	2	-	-
Rear End	**8**	2	-	1	1	1	2	-	1	-	-
Sideswipe Same	**7**	1	3	1	1	-	-	-	1	-	-
Single Vehicle	**2**	-	-	-	1	-	1	-	-	-	-
Total	**25**	**3**	**4**	**2**	**5**	**2**	**5**	**-**	**4**	**-**	**-**

A total of 25 crashes occurred at the intersection of 6 Mile Rd and Fox Dr/Quakertown Ln between 2017 and 2021. Two of the crashes were injury type B, four were injury type C, and 19 were property damage only crashes (PDO). There were no fatal or injury type A crashes reported within the time period of analysis. Majority of the crashes were angle crashes, rear end crashes, or sideswipe same crashes. These cateogries comprised 92% of total crashes with an equal distribution among the three crash categories. The remaining were single vehicle crashes. Review of UD-10 crash reports indicated that 22 of the 25 crashes are susceptible to correction by a traffic signal. The individual crash analysis is as follows:

- Eight (8) angle crashes resulted from failure to yield when performing a left-turn out of or into Fox Dr and Quakertown. All angle crashes are susceptible to correction by a traffic signal.
- Eight (8) rear end crashes resulted from failure to stop due to stopped vehicles on center-left turn lane or thru lanes, or congestion upstream and downstream of the intersection. Six (6) of the Eight (8) rear end crashes are susceptable to correction by a traffic signal.
- Seven (7) sideswipe same crashes resulted from improper lane changing on thru lanes and improper turning maneuvers for Fox Dr and Quakertown Ln. All sideswipe same crashes are susceptible to correction by a traffic signal.
- Two (2) single vehicle crashes resulted from improper truck turning maneuver or loss of vehicle control. One (1) of the single vehicle crashes is susceptible to correction by a traffic signal.

In addition the crash analysis, conflicting turning movements were reviewed for SB Fox Dr based on the collected turning movement counts. SB Fox Dr has one exiting lane and allows only SB right-turning movements. SB left-turns are currently prohibited and controlled via regulatory signage and road geometric controls. Review of turning movement counts indicated a total of 443 vehicles exiting Fox Dr on a typical day. Of the 443 vehicle, 295 (66.6%) performed a SB right turn. Whereas the remaining 148 or 33.4% performed an illegal SB left-turn. The high rate of illegal SB left-turn maneuvers (1 in 3) in spite of signing and geometric controls pose a considerable safety risk. This rate could become of greater concern once surruounding offices operate at full capacity following recent work related COVID-19 restrictions. The installation of a traffic signal can significantly improve compliance and safety for left-turning maneuvers by provided dedicated and protected SB left-turn operations.

The safety analysis for existing conditions at the intersection of 6 Mile Rd and Fox Dr/Quakertown Ln indicates that a traffic signal can improve overall intersection safety performance and significantly reduce safety risks for SB left-turn maneuvers.

ATTACHMENT A – TRAFFIC SIGNAL WARRANT ANALYSIS

Summary of □ arrants

Spot Number:	Existing - 2022		
Major Street:	6 Mile	Minor Street:	Fox Dr / Quaktertown
Intersection:	6 Mile at Fox Dr / Quaktertown Ln		
City/Twp:	Livonia		
Date Performed:	4/21/2022	Performed By:	GH
Date Volumes Collected:	2/23/2022		

□ arrant	Condition	Is □ arrant Met
Data □alidation Error		**NO**
□ ARRANT 1: Eight-□our □ehicular □olume		**YES**
	Condition A	NO
	Condition B	YES
	Condition A&B	N/A
□ ARRANT 2: Four-□our □ehicular □olume	(70%)	**YES**
□ ARRANT 3: Peak-□our □ehicular □olume	(70%)	**YES**
	Condition A	**NO**
	Condition B	**YES**
□ ARRANT 4: Pedestrian □olume	(70%)	**NO**
	Four Hour	N/A
	Peak Hour	N/A
(Threshold)	HAWK	NO
(Threshold)	RRFB	NO
□ ARRANT 5: School Crossing		**NO**
□ ARRANT 6: Coordinated Signal System		**NO**
□ ARRANT 7: Crash Experience		**NO**
	Condition A	NO
	Condition B	NO
□ ARRANT 8: Roadway Network		**NO**
□ ARRANT 9: Intersection Near a Grade Crossing		**#N/A**

Issue to □e Addressed by Signalization:

Congestion and Safety

ATTACHMENT B – TURNING MOVEMENT COUNTS

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915
Hubbell, Roth & Clark, Inc.
555 Hulet Drive

Bloomfield Hills, Michigan, United States 48302
248.454.6300 jhankin@hrcengr.com

Count Name: 6 Mile Rd and Fox Dr
Site Code:
Start Date: 02/23/2022

Turning Movement Data

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Fox Dr Southbound					
hru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
8	0	0	19	15	1	0	0	16	0	1	0	0	1	36
9	0	0	19	10	1	0	0	11	0	0	0	0	0	30
4	0	0	14	9	2	0	0	11	0	0	0	0	0	25
0	0	0	11	14	2	0	0	16	0	0	0	0	0	27
51	0	0	63	48	6	0	0	54	0	1	0	0	1	118
7	0	0	7	6	1	0	0	7	0	0	0	0	0	14
5	0	0	5	3	0	0	0	3	1	0	0	0	1	9
4	0	0	4	1	1	0	0	2	0	0	0	0	0	6
4	0	0	4	5	1	0	0	6	0	0	0	0	0	10
20	0	0	20	15	3	0	0	18	1	0	0	0	1	39
6	0	0	6	5	1	0	0	6	0	0	0	0	0	12
2	0	0	2	4	3	0	0	7	1	0	0	0	1	10
6	0	0	6	6	0	0	0	6	1	0	0	0	1	13
7	0	0	7	10	0	0	0	10	0	0	0	0	0	17
21	0	0	21	25	4	0	0	29	2	0	0	0	2	52
2	0	0	12	2	0	0	0	2	0	0	0	0	0	14
7	0	0	7	2	0	0	0	2	0	0	0	0	0	9
6	0	0	6	7	0	0	0	7	0	0	0	0	0	13
4	0	0	4	9	0	0	0	9	1	1	0	0	2	15
29	0	0	29	20	0	0	0	20	1	1	0	0	2	51
8	0	0	8	9	0	0	0	9	0	0	0	0	0	17
0	0	0	10	12	0	0	0	12	0	1	0	0	1	23
2	0	0	12	22	2	0	0	24	1	0	0	0	1	37
7	0	0	18	15	0	0	0	15	0	1	0	0	1	34
47	0	0	48	58	2	0	0	60	1	2	0	0	3	111
20	0	0	20	17	0	0	0	17	0	0	0	0	0	37
37	0	0	38	39	0	0	0	39	1	1	0	0	2	79
50	0	0	50	80	2	0	0	82	0	0	0	0	0	132
65	0	0	65	105	3	1	0	109	3	2	0	0	5	179
172	0	0	173	241	5	1	0	247	4	3	0	0	7	427
77	0	0	77	59	6	0	0	65	0	2	0	0	2	144
90	0	0	91	76	2	0	0	78	1	2	0	0	3	172
116	0	0	116	124	9	0	0	133	1	2	0	0	3	252
110	0	0	110	140	10	0	0	150	0	4	0	0	4	264
393	0	0	394	399	27	0	0	426	2	10	0	0	12	832
173	0	0	174	96	16	0	0	112	4	2	0	0	6	292

0019

92	0	0	192	171	24	0	0	195	1	4	0	0	5	392
17	0	0	217	191	22	0	0	213	2	6	0	0	8	438
22	0	0	224	249	39	0	0	288	2	7	0	0	9	521
04	0	0	807	707	101	0	0	808	9	19	0	0	28	1643
24	0	0	227	289	25	0	0	314	1	6	0	0	7	548
25	0	0	226	247	32	0	0	279	0	4	0	0	4	509
55	0	0	256	268	30	0	0	298	1	5	0	0	6	560
37	0	0	238	258	26	0	0	284	0	0	0	0	0	522
41	0	0	947	1062	113	0	0	1175	2	15	0	0	17	2139
28	0	0	231	210	23	0	0	233	1	2	0	0	3	467
06	0	0	208	207	21	0	0	228	2	5	0	0	7	443
71	0	0	171	175	23	0	0	198	0	6	0	0	6	375
92	0	0	192	188	24	0	0	212	2	4	0	0	6	410
97	0	0	802	780	91	0	0	871	5	17	0	0	22	1695
23	0	0	223	178	11	0	0	189	3	3	0	0	6	418
19	0	0	219	172	17	0	0	189	0	4	0	0	4	412
10	0	0	211	182	15	0	0	197	1	2	0	0	3	411
44	0	0	246	193	9	0	0	202	1	7	0	0	8	456
96	0	0	899	725	52	0	0	777	5	16	0	0	21	1697
33	0	0	233	179	15	0	0	194	1	4	0	0	5	432
67	0	0	272	190	18	0	0	208	0	7	0	0	7	487
74	0	0	275	235	17	0	0	252	2	6	0	0	8	535
78	0	0	278	260	23	0	0	283	1	2	0	0	3	564
952	0	0	1058	864	73	0	0	937	4	19	0	0	23	2018
86	0	0	287	232	28	0	0	260	3	4	0	0	7	554
84	0	0	284	237	22	0	0	259	1	8	0	1	9	552
76	0	0	276	250	14	0	0	264	0	4	0	0	4	544
58	0	0	259	250	22	0	0	272	1	0	0	0	1	532
04	0	0	1106	969	86	0	0	1055	5	16	0	1	21	2182
47	0	0	248	219	13	0	0	232	1	3	0	0	4	484
39	0	0	240	234	16	0	0	250	0	7	0	0	7	497
17	0	0	319	220	18	0	0	238	3	4	0	0	7	564
64	0	0	264	233	18	0	0	251	2	0	0	0	2	517
067	0	0	1071	906	65	0	0	971	6	14	0	0	20	2062
75	0	0	276	199	10	0	0	209	3	7	0	0	10	495
85	0	0	285	247	12	0	0	259	1	7	0	0	8	552
96	0	0	301	251	20	0	0	271	2	3	0	0	5	577
76	0	0	278	230	20	0	0	250	2	7	0	0	9	537
32	0	0	1140	927	62	0	0	989	8	24	0	0	32	2161
34	0	0	336	250	16	0	0	266	2	5	0	0	7	609
12	0	0	316	286	8	0	0	294	1	2	0	0	3	613
31	0	0	331	256	18	0	0	274	3	8	0	0	11	616
51	0	0	352	255	12	0	0	267	1	3	0	0	4	623
328	0	0	1335	1047	54	0	0	1101	7	18	0	0	25	2461
85	0	0	385	233	22	0	0	255	4	9	0	0	13	653
75	0	0	375	248	19	0	0	267	3	5	0	0	8	650
63	0	0	364	277	23	0	0	300	2	5	0	0	7	671
69	0	0	371	319	37	0	0	356	1	7	0	0	8	735
492	0	0	1495	1077	101	0	0	1178	10	26	0	0	36	2709
69	0	0	369	294	26	0	0	320	3	9	0	1	12	701
66	0	0	367	313	33	0	0	346	3	7	0	1	10	723
42	0	0	347	308	39	0	0	347	6	6	0	0	12	706

0020

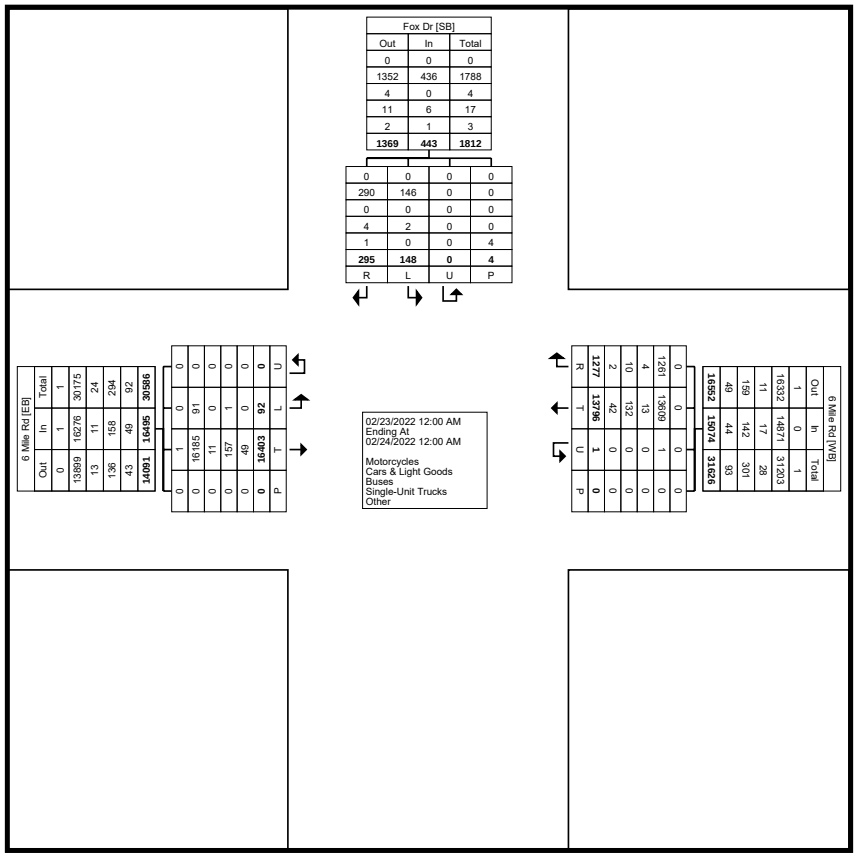
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12	0	0	314	281	31	0	0	312	2	5	0	0	7	633
77	0	0	279	287	29	0	0	316	1	6	0	0	7	602
61	0	0	263	252	29	0	0	281	2	3	0	0	5	549
41	0	0	243	234	25	0	0	259	3	4	0	0	7	509
091	0	0	1099	1054	114	0	0	1168	8	18	0	0	26	2293
42	0	0	243	195	26	0	0	221	5	6	0	0	11	475
05	0	0	207	159	18	0	0	177	1	3	0	0	4	388
46	0	0	247	169	12	0	0	181	4	7	0	0	11	439
06	0	0	207	122	13	0	0	135	4	6	0	0	10	352
99	0	0	904	645	69	0	0	714	14	22	0	0	36	1654
36	0	0	239	104	10	0	0	114	2	4	0	0	6	359
71	0	0	172	112	15	0	0	127	3	2	0	0	5	304
55	0	0	157	98	14	0	0	112	5	1	0	0	6	275
68	0	0	169	105	13	0	0	118	2	4	0	0	6	293
30	0	0	737	419	52	0	0	471	12	11	0	0	23	1231
91	0	0	193	80	8	0	0	88	2	2	0	0	4	285
64	0	0	165	77	5	0	0	82	3	0	0	1	3	250
05	0	0	106	69	4	0	0	73	2	1	0	0	3	182
98	0	0	98	48	7	0	0	55	5	3	0	0	8	161
58	0	0	562	274	24	0	0	298	12	6	0	1	18	878
15	0	0	115	47	8	0	0	55	2	2	0	0	4	174
52	0	0	52	41	3	0	0	44	2	1	0	0	3	99
68	0	0	68	46	3	0	0	49	3	0	0	0	3	120
44	0	0	47	39	5	0	0	44	2	2	0	0	4	95
79	0	0	282	173	19	0	0	192	9	5	0	0	14	488
36	0	0	37	30	3	0	0	33	5	1	0	0	6	76
24	0	0	25	34	1	0	0	35	3	0	0	0	3	63
12	0	0	12	16	3	0	0	19	0	1	0	0	1	32
15	0	0	15	31	1	0	0	32	0	1	0	0	1	48
87	0	0	89	111	8	0	0	119	8	3	0	0	11	219
403	0	0	16495	13796	1277	1	0	15074	148	295	0	4	443	32012
9.4	0.0	-	-	91.5	8.5	0.0	-	-	33.4	66.6	0.0	-	-	-
1.2	0.0	-	51.5	43.1	4.0	0.0	-	47.1	0.5	0.9	0.0	-	1.4	-
1	0	-	1	0	0	0	-	0	0	0	0	-	0	1
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
185	0	-	16276	13609	1261	1	-	14871	146	290	0	-	436	31583
8.7	-	-	98.7	98.6	98.7	100.0	-	98.7	98.6	98.3	-	-	98.4	98.7
1	0	-	11	13	4	0	-	17	0	0	0	-	0	28
.1	-	-	0.1	0.1	0.3	0.0	-	0.1	0.0	0.0	-	-	0.0	0.1
57	0	-	158	132	10	0	-	142	2	4	0	-	6	306
.0	-	-	1.0	1.0	0.8	0.0	-	0.9	1.4	1.4	-	-	1.4	1.0
49	0	-	49	42	2	0	-	44	0	1	0	-	1	94
.3	-	-	0.3	0.3	0.2	0.0	-	0.3	0.0	0.3	-	-	0.2	0.3
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	1	-	-
-	-	-	-	-	-	-	-	-	-	-	-	25.0	-	-
-	-	0	-	-	-	-	0	-	-	-	-	3	-	-
-	-	-	-	-	-	-	-	-	-	-	-	75.0	-	-

0021

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Count Name: 6 Mile Rd and Fox Dr
Site Code:
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Turning Movement Data Plot

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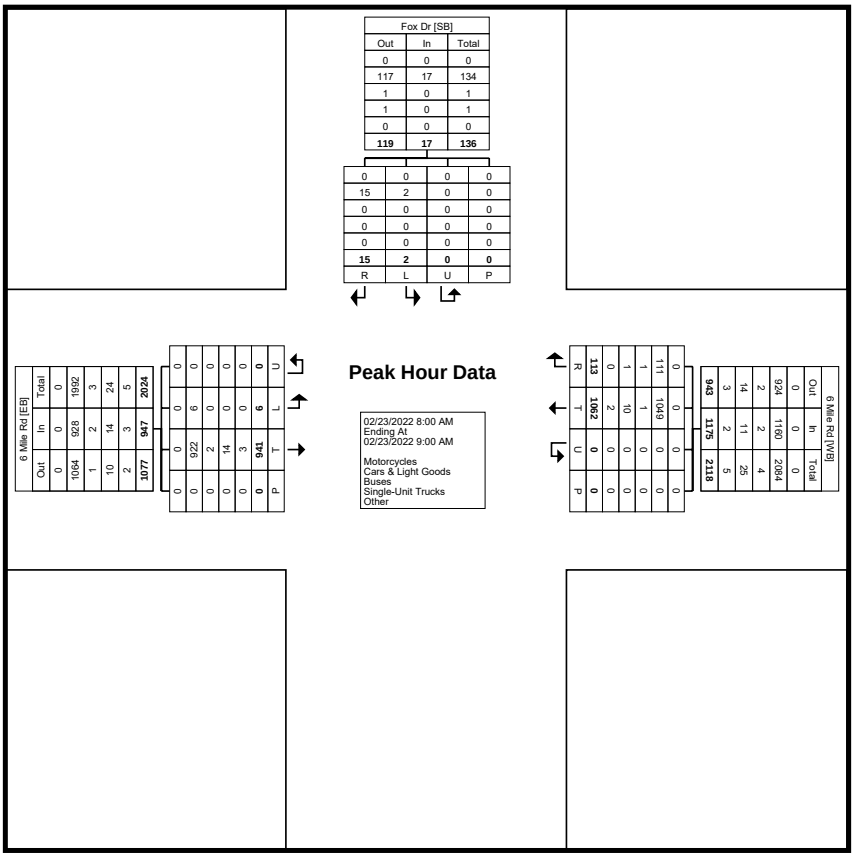
Turning Movement Peak Hour Data (8:00 AM)

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Fox Dr Southbound					
hru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
24	0	0	227	289	25	0	0	314	1	6	0	0	7	548
25	0	0	226	247	32	0	0	279	0	4	0	0	4	509
55	0	0	256	268	30	0	0	298	1	5	0	0	6	560
37	0	0	238	258	26	0	0	284	0	0	0	0	0	522
41	0	0	947	1062	113	0	0	1175	2	15	0	0	17	2139
9.4	0.0	-	-	90.4	9.6	0.0	-	-	11.8	88.2	0.0	-	-	-
4.0	0.0	-	44.3	49.6	5.3	0.0	-	54.9	0.1	0.7	0.0	-	0.8	-
923	0.000	-	0.925	0.919	0.883	0.000	-	0.936	0.500	0.625	0.000	-	0.607	0.955
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
22	0	-	928	1049	111	0	-	1160	2	15	0	-	17	2105
8.0	-	-	98.0	98.8	98.2	-	-	98.7	100.0	100.0	-	-	100.0	98.4
2	0	-	2	1	1	0	-	2	0	0	0	-	0	4
.2	-	-	0.2	0.1	0.9	-	-	0.2	0.0	0.0	-	-	0.0	0.2
4	0	-	14	10	1	0	-	11	0	0	0	-	0	25
.5	-	-	1.5	0.9	0.9	-	-	0.9	0.0	0.0	-	-	0.0	1.2
3	0	-	3	2	0	0	-	2	0	0	0	-	0	5
.3	-	-	0.3	0.2	0.0	-	-	0.2	0.0	0.0	-	-	0.0	0.2
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Count Name: 6 Mile Rd and Fox Dr
Site Code:
Start Date: 02/23/2022
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Turning Movement Peak Hour Data Plot (8:00 AM)

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Count Name: 6 Mile Rd and Fox Dr
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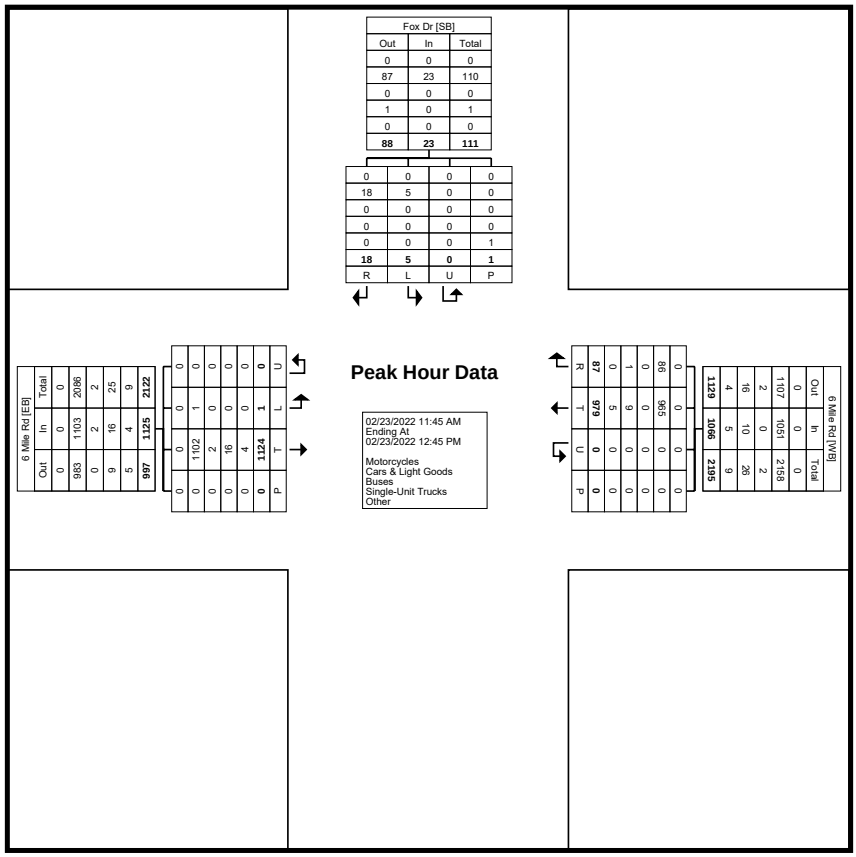
Turning Movement Peak Hour Data (11:45 AM)

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Fox Dr Southbound					
hru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
78	0	0	278	260	23	0	0	283	1	2	0	0	3	564
86	0	0	287	232	28	0	0	260	3	4	0	0	7	554
84	0	0	284	237	22	0	0	259	1	8	0	1	9	552
76	0	0	276	250	14	0	0	264	0	4	0	0	4	544
24	0	0	1125	979	87	0	0	1066	5	18	0	1	23	2214
9.9	0.0	-	-	91.8	8.2	0.0	-	-	21.7	78.3	0.0	-	-	-
0.8	0.0	-	50.8	44.2	3.9	0.0	-	48.1	0.2	0.8	0.0	-	1.0	-
983	0.000	-	0.980	0.941	0.777	0.000	-	0.942	0.417	0.563	0.000	-	0.639	0.981
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
02	0	-	1103	965	86	0	-	1051	5	18	0	-	23	2177
8.0	-	-	98.0	98.6	98.9	-	-	98.6	100.0	100.0	-	-	100.0	98.3
2	0	-	2	0	0	0	-	0	0	0	0	-	0	2
.2	-	-	0.2	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.1
6	0	-	16	9	1	0	-	10	0	0	0	-	0	26
.4	-	-	1.4	0.9	1.1	-	-	0.9	0.0	0.0	-	-	0.0	1.2
4	0	-	4	5	0	0	-	5	0	0	0	-	0	9
.4	-	-	0.4	0.5	0.0	-	-	0.5	0.0	0.0	-	-	0.0	0.4
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
-	-	0	-	-	-	-	0	-	-	-	-	1	-	-
-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

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Count Name: 6 Mile Rd and Fox Dr
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Start Date: 02/23/2022
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Turning Movement Peak Hour Data Plot (11:45 AM)

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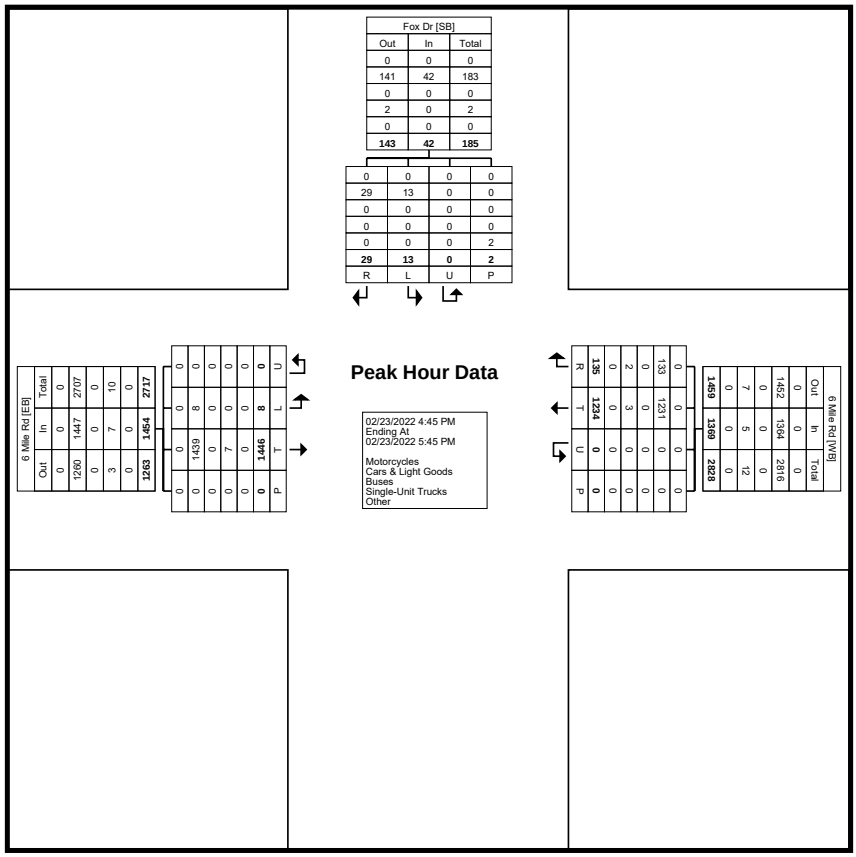
Turning Movement Peak Hour Data (4:45 PM)

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Fox Dr Southbound					
hru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
69	0	0	371	319	37	0	0	356	1	7	0	0	8	735
69	0	0	369	294	26	0	0	320	3	9	0	1	12	701
66	0	0	367	313	33	0	0	346	3	7	0	1	10	723
42	0	0	347	308	39	0	0	347	6	6	0	0	12	706
46	0	0	1454	1234	135	0	0	1369	13	29	0	2	42	2865
9.4	0.0	-	-	90.1	9.9	0.0	-	-	31.0	69.0	0.0	-	-	-
0.5	0.0	-	50.8	43.1	4.7	0.0	-	47.8	0.5	1.0	0.0	-	1.5	-
980	0.000	-	0.980	0.967	0.865	0.000	-	0.961	0.542	0.806	0.000	-	0.875	0.974
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
39	0	-	1447	1231	133	0	-	1364	13	29	0	-	42	2853
9.5	-	-	99.5	99.8	98.5	-	-	99.6	100.0	100.0	-	-	100.0	99.6
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
7	0	-	7	3	2	0	-	5	0	0	0	-	0	12
.5	-	-	0.5	0.2	1.5	-	-	0.4	0.0	0.0	-	-	0.0	0.4
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
-	-	0	-	-	-	-	0	-	-	-	-	2	-	-
-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

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Count Name: 6 Mile Rd and Fox Dr
Site Code:
Start Date: 02/23/2022



Turning Movement Peak Hour Data Plot (4:45 PM)

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Count Name: 6 Mile Rd and Quakertown Ln
Site Code:
Start Date: 02/23/2022

Turning Movement Data

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Quakertown Ln Northbound					
ght	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
0	0	0	18	1	17	0	0	18	0	0	0	0	0	36
0	0	0	19	0	10	0	0	10	0	0	0	0	0	29
0	0	0	14	2	11	0	0	13	0	0	0	0	0	27
0	0	0	10	0	16	0	0	16	0	0	0	0	0	26
0	0	0	61	3	54	0	0	57	0	0	0	0	0	118
1	0	0	7	0	7	0	0	7	0	1	0	0	1	15
0	0	0	6	0	3	0	0	3	0	0	0	0	0	9
0	0	0	4	0	2	0	0	2	0	0	0	0	0	6
0	0	0	4	0	6	0	0	6	0	0	0	0	0	10
1	0	0	21	0	18	0	0	18	0	1	0	0	1	40
0	0	0	6	0	6	0	0	6	0	0	0	0	0	12
0	0	0	3	0	7	0	0	7	0	0	0	0	0	10
0	0	0	7	0	6	0	0	6	0	0	0	0	0	13
0	0	0	7	1	10	0	0	11	0	0	0	0	0	18
0	0	0	23	1	29	0	0	30	0	0	0	0	0	53
0	0	0	12	0	2	0	0	2	0	0	0	0	0	14
0	0	0	7	2	2	0	0	4	0	1	0	0	1	12
0	0	0	6	0	6	0	0	6	1	1	0	0	2	14
0	0	0	5	0	8	0	0	8	0	1	0	0	1	14
0	0	0	30	2	18	0	0	20	1	3	0	0	4	54
0	0	0	8	0	9	0	0	9	0	1	0	0	1	18
0	0	0	9	0	12	0	0	12	0	1	0	0	1	22
0	0	0	14	0	24	0	0	24	0	0	0	0	0	38
0	0	0	16	0	15	0	0	15	0	2	0	0	2	33
0	0	0	47	0	60	0	0	60	0	4	0	0	4	111
0	0	0	20	0	17	0	0	17	0	2	0	0	2	39
0	0	0	38	0	39	0	0	39	0	3	0	0	3	80
0	1	0	49	0	81	0	0	81	0	5	0	0	5	135
0	0	0	68	1	107	0	0	108	0	1	0	0	1	177
0	1	0	175	1	244	0	0	245	0	11	0	0	11	431
2	0	0	77	2	64	0	0	66	0	7	0	0	7	150
0	0	0	85	2	78	0	0	80	0	8	0	0	8	173
1	0	0	117	5	131	0	0	136	1	8	0	0	9	262
3	0	0	108	4	150	0	0	154	1	10	0	0	11	273
6	0	0	387	13	423	0	0	436	2	33	0	0	35	858
1	0	0	176	6	108	0	0	114	3	27	0	0	30	320

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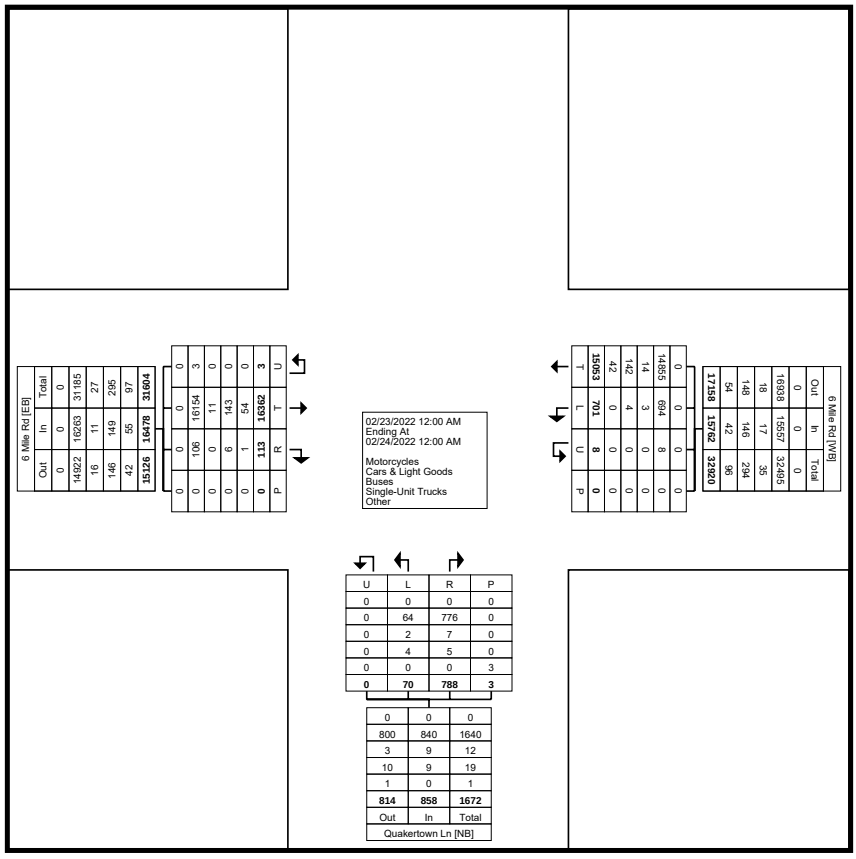
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3	0	0	223	28	285	0	0	313	0	21	0	0	21	557
9	0	0	808	50	800	0	0	850	3	76	0	0	79	1737
4	0	0	224	15	310	0	0	325	1	14	0	0	15	564
1	0	0	227	24	276	0	0	300	0	11	0	0	11	538
1	0	0	258	14	294	0	0	308	2	11	0	0	13	579
4	0	0	237	23	280	0	0	303	0	14	0	0	14	554
0	0	0	946	76	1160	0	0	1236	3	50	0	0	53	2235
3	0	0	232	23	233	0	0	256	0	8	0	0	8	496
1	0	0	211	15	226	0	0	241	0	9	0	0	9	461
3	0	0	169	11	199	0	0	210	1	17	0	0	18	397
2	0	0	194	12	212	0	0	224	3	4	0	0	7	425
9	0	0	806	61	870	0	0	931	4	38	0	0	42	1779
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2	0	0	223	5	187	1	0	193	0	9	0	0	9	425
0	0	0	209	2	194	2	0	198	0	11	0	0	11	418
1	1	0	246	10	200	0	0	210	2	19	0	0	21	477
5	1	0	904	25	769	3	0	797	3	43	0	0	46	1747
3	0	0	233	8	192	0	0	200	3	14	0	0	17	450
0	0	0	271	11	204	1	0	216	3	11	0	0	14	501
1	0	0	271	7	261	1	0	269	1	10	0	0	11	551
2	0	0	281	8	289	0	0	297	1	14	0	0	15	593
6	0	0	1056	34	946	2	0	982	8	49	0	0	57	2095
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4	0	0	277	14	266	0	0	280	2	18	0	0	20	577
2	0	0	261	10	273	0	0	283	2	4	0	0	6	550
8	0	0	1110	44	1059	1	0	1104	6	48	0	0	54	2268
3	0	0	251	9	238	0	0	247	1	12	0	0	13	511
2	0	0	238	6	250	0	0	256	4	15	0	0	19	513
2	0	0	323	13	236	0	0	249	5	6	0	0	11	583
6	0	0	272	12	303	0	0	315	1	10	0	0	11	598
3	0	0	1084	40	1027	0	0	1067	11	43	0	0	54	2205
1	0	0	276	6	210	0	0	216	0	10	0	0	10	502
1	0	0	288	11	257	0	0	268	2	14	0	0	16	572
3	0	0	294	17	263	0	0	280	2	13	0	0	15	589
1	0	0	281	11	253	0	0	264	0	12	0	0	12	557
6	0	0	1139	45	983	0	0	1028	4	49	0	0	53	2220
3	0	0	319	19	264	0	0	283	2	7	0	0	9	611
1	0	0	303	13	293	0	0	306	1	13	0	0	14	623
0	0	0	318	17	272	0	0	289	1	22	0	0	23	630
2	0	0	329	10	268	0	0	278	0	17	0	0	17	624
6	0	0	1269	59	1097	0	0	1156	4	59	0	0	63	2488
3	0	0	386	12	253	0	0	265	0	24	0	0	24	675
3	0	0	383	16	264	0	0	280	1	14	0	0	15	678
4	0	0	365	13	295	0	0	308	1	24	0	0	25	698
2	0	0	373	15	350	1	0	366	1	18	0	0	19	758
2	0	0	1507	56	1162	1	0	1219	3	80	0	0	83	2809
1	0	0	371	18	317	0	0	335	2	28	0	0	30	736
0	0	0	368	15	340	0	0	355	3	22	0	0	25	748
1	0	0	348	13	347	0	0	360	2	14	0	0	16	724

1	0	0	323	14	385	0	0	399	0	17	0	0	17	739
3	0	0	1410	60	1389	0	0	1449	7	81	0	0	88	2947
0	0	0	316	14	309	0	0	323	2	13	0	3	15	654
1	0	0	275	14	316	0	0	330	2	17	0	0	19	624
3	0	0	266	11	285	0	0	296	3	15	0	0	18	580
2	0	0	242	8	265	0	0	273	2	12	0	0	14	529
6	0	0	1099	47	1175	0	0	1222	9	57	0	3	66	2387
2	0	0	240	10	219	0	0	229	0	14	0	0	14	483
0	0	0	207	15	173	0	0	188	0	8	0	0	8	403
2	0	0	248	4	178	0	0	182	0	5	0	0	5	435
4	0	0	210	3	135	1	0	139	0	4	0	0	4	353
8	0	0	905	32	705	1	0	738	0	31	0	0	31	1674
1	0	0	236	6	112	0	0	118	1	3	0	0	4	358
1	0	0	174	2	127	0	0	129	0	6	0	0	6	309
1	0	0	160	6	111	0	0	117	0	2	0	0	2	279
0	0	0	170	2	115	0	0	117	0	3	0	0	3	290
3	0	0	740	16	465	0	0	481	1	14	0	0	15	1236
0	0	0	193	5	86	0	0	91	1	4	0	0	5	289
1	0	0	165	9	82	0	0	91	0	0	0	0	0	256
0	0	0	106	5	70	0	0	75	0	4	0	0	4	185
0	0	0	101	0	55	0	0	55	0	2	0	0	2	158
1	0	0	565	19	293	0	0	312	1	10	0	0	11	888
1	0	0	116	7	55	0	0	62	0	2	0	0	2	180
0	0	0	55	1	44	0	0	45	0	1	0	0	1	101
0	1	0	71	1	47	0	0	48	0	1	0	0	1	120
0	0	0	46	5	42	0	0	47	0	1	0	0	1	94
1	1	0	288	14	188	0	0	202	0	5	0	0	5	495
0	0	0	42	1	33	0	0	34	0	1	0	0	1	77
0	0	0	28	0	35	0	0	35	0	0	0	0	0	63
0	0	0	13	1	20	0	0	21	0	1	0	0	1	35
0	0	0	15	1	31	0	0	32	0	1	0	0	1	48
0	0	0	98	3	119	0	0	122	0	3	0	0	3	223
13	3	0	16478	701	15053	8	0	15762	70	788	0	3	858	33098
.7	0.0	-	-	4.4	95.5	0.1	-	-	8.2	91.8	0.0	-	-	-
.3	0.0	-	49.8	2.1	45.5	0.0	-	47.6	0.2	2.4	0.0	-	2.6	-
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
06	3	-	16263	694	14855	8	-	15557	64	776	0	-	840	32660
8.8	100.0	-	98.7	99.0	98.7	100.0	-	98.7	91.4	98.5	-	-	97.9	98.7
0	0	-	11	3	14	0	-	17	2	7	0	-	9	37
.0	0.0	-	0.1	0.4	0.1	0.0	-	0.1	2.9	0.9	-	-	1.0	0.1
6	0	-	149	4	142	0	-	146	4	5	0	-	9	304
.3	0.0	-	0.9	0.6	0.9	0.0	-	0.9	5.7	0.6	-	-	1.0	0.9
1	0	-	55	0	42	0	-	42	0	0	0	-	0	97
.9	0.0	-	0.3	0.0	0.3	0.0	-	0.3	0.0	0.0	-	-	0.0	0.3
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-
-	-	0	-	-	-	-	0	-	-	-	-	3	-	-
-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-

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CONSULTING ENGINEERS SINCE 1915
Hubbell, Roth & Clark, Inc.
555 Hulet Drive

Bloomfield Hills, Michigan, United States 48302
248.454.6300 jhankin@hrcengr.com

Count Name: 6 Mile Rd and Quakertown Ln
Site Code:
Start Date: 02/23/2022



Turning Movement Data Plot

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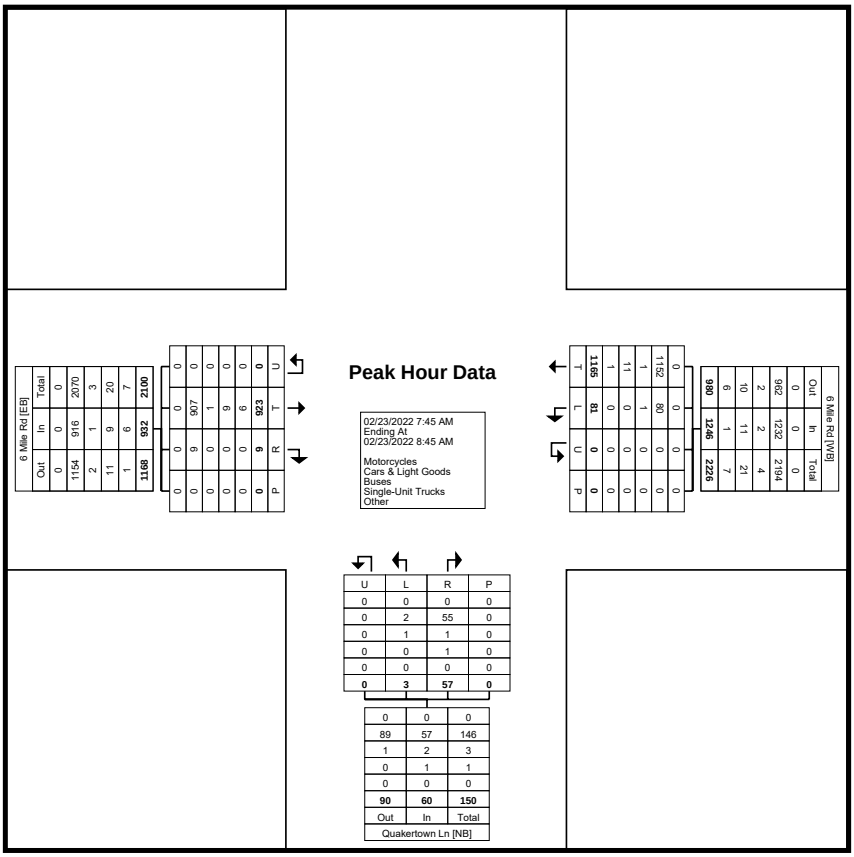
Turning Movement Peak Hour Data (7:45 AM)

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Quakertown Ln Northbound					
ght	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
3	0	0	223	28	285	0	0	313	0	21	0	0	21	557
4	0	0	224	15	310	0	0	325	1	14	0	0	15	564
1	0	0	227	24	276	0	0	300	0	11	0	0	11	538
1	0	0	258	14	294	0	0	308	2	11	0	0	13	579
9	0	0	932	81	1165	0	0	1246	3	57	0	0	60	2238
.0	0.0	-	-	6.5	93.5	0.0	-	-	5.0	95.0	0.0	-	-	-
.4	0.0	-	41.6	3.6	52.1	0.0	-	55.7	0.1	2.5	0.0	-	2.7	-
563	0.000	-	0.903	0.723	0.940	0.000	-	0.958	0.375	0.679	0.000	-	0.714	0.966
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
9	0	-	916	80	1152	0	-	1232	2	55	0	-	57	2205
0.0	-	-	98.3	98.8	98.9	-	-	98.9	66.7	96.5	-	-	95.0	98.5
0	0	-	1	1	1	0	-	2	1	1	0	-	2	5
.0	-	-	0.1	1.2	0.1	-	-	0.2	33.3	1.8	-	-	3.3	0.2
0	0	-	9	0	11	0	-	11	0	1	0	-	1	21
.0	-	-	1.0	0.0	0.9	-	-	0.9	0.0	1.8	-	-	1.7	0.9
0	0	-	6	0	1	0	-	1	0	0	0	-	0	7
.0	-	-	0.6	0.0	0.1	-	-	0.1	0.0	0.0	-	-	0.0	0.3
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Turning Movement Peak Hour Data Plot (7:45 AM)

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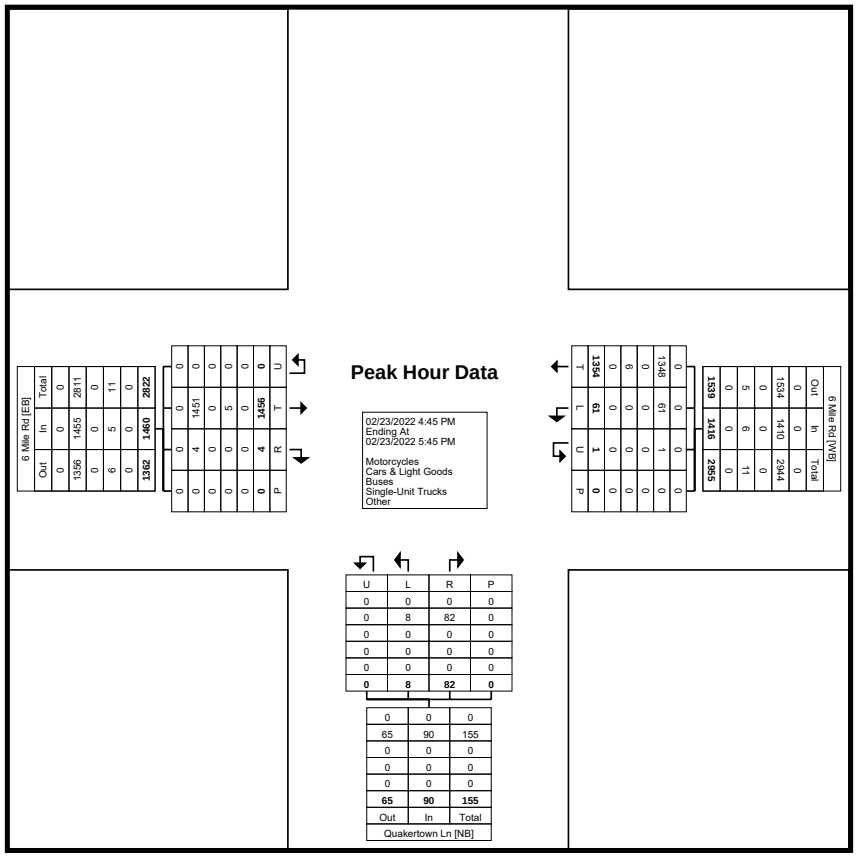
Turning Movement Peak Hour Data (4:45 PM)

	6 Mile Rd Eastbound			6 Mile Rd Westbound					Quakertown Ln Northbound					
ght	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
2	0	0	373	15	350	1	0	366	1	18	0	0	19	758
1	0	0	371	18	317	0	0	335	2	28	0	0	30	736
0	0	0	368	15	340	0	0	355	3	22	0	0	25	748
1	0	0	348	13	347	0	0	360	2	14	0	0	16	724
4	0	0	1460	61	1354	1	0	1416	8	82	0	0	90	2966
.3	0.0	-	-	4.3	95.6	0.1	-	-	8.9	91.1	0.0	-	-	-
.1	0.0	-	49.2	2.1	45.7	0.0	-	47.7	0.3	2.8	0.0	-	3.0	-
500	0.000	-	0.979	0.847	0.967	0.250	-	0.967	0.667	0.732	0.000	-	0.750	0.978
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
4	0	-	1455	61	1348	1	-	1410	8	82	0	-	90	2955
0.0	-	-	99.7	100.0	99.6	100.0	-	99.6	100.0	100.0	-	-	100.0	99.6
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
0	0	-	5	0	6	0	-	6	0	0	0	-	0	11
.0	-	-	0.3	0.0	0.4	0.0	-	0.4	0.0	0.0	-	-	0.0	0.4
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
.0	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	0.0
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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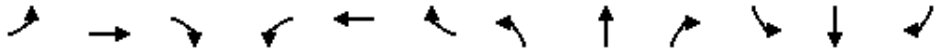


Turning Movement Peak Hour Data Plot (4:45 PM)

ATTACHMENT B – SYNCHRO HCM REPORTS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	139	560	49	269	400	296	64	315	255	127	188	92
Future Volume (vph)	139	560	49	269	400	296	64	315	255	127	188	92
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3754		1818	3762	1683	1817	3762	1683	1818	3762	1660
Flt Permitted	0.46	1.00		0.24	1.00	1.00	0.63	1.00	1.00	0.51	1.00	1.00
Satd. Flow (perm)	887	3754		459	3762	1683	1200	3762	1683	981	3762	1660
Peak-hour factor, PHF	0.86	0.86	0.86	0.95	0.95	0.95	0.94	0.94	0.94	0.95	0.95	0.95
Adj. Flow (vph)	162	651	57	283	421	312	68	335	271	134	198	97
RTOR Reduction (vph)	0	6	0	0	0	218	0	0	212	0	0	73
Lane Group Flow (vph)	162	702	0	283	421	94	68	335	59	134	198	24
Confl. Peds. (#/hr)							2					2
Heavy Vehicles (%)	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	37.8	27.1		37.8	27.1	27.1	27.0	19.7	19.7	27.0	22.1	22.1
Effective Green, g (s)	37.8	27.1		37.8	27.1	27.1	27.0	19.7	19.7	27.0	22.1	22.1
Actuated g/C Ratio	0.42	0.30		0.42	0.30	0.30	0.30	0.22	0.22	0.30	0.25	0.25
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	485	1130		354	1132	506	393	823	368	362	923	407
v/s Ratio Prot	0.04	0.19		c0.09	0.11		0.01	c0.09		c0.03	0.05	
v/s Ratio Perm	0.10			c0.24		0.06	0.04		0.04	0.08		0.01
v/c Ratio	0.33	0.62		0.80	0.37	0.19	0.17	0.41	0.16	0.37	0.21	0.06
Uniform Delay, d1	19.9	27.0		28.8	24.8	23.3	23.4	30.1	28.5	26.3	27.0	26.0
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.4	2.6		11.9	0.9	0.8	0.2	1.5	0.9	0.6	0.5	0.3
Delay (s)	20.4	29.6		40.8	25.7	24.1	23.6	31.6	29.4	27.0	27.6	26.3
Level of Service	C	C		D	C	C	C	C	C	C	C	C
Approach Delay (s)		27.9			29.4			29.9			27.1	
Approach LOS		C			C			C			C	

Intersection Summary			
HCM 2000 Control Delay	28.7	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.63		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	81.3%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

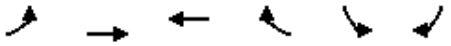


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Future Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.94	0.94	0.94	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	757	297	0	900	0	0	0	0	277	0	470
RTOR Reduction (vph)	0	0	127	0	0	0	0	0	0	0	0	99
Lane Group Flow (vph)	0	757	170	0	900	0	0	0	0	277	0	371
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		0.21			c0.25					0.15		
v/s Ratio Perm			0.10									c0.23
v/c Ratio		0.36	0.18		0.43					0.56		0.83
Uniform Delay, d1		9.2	8.2		9.7					24.8		27.2
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		0.5	0.4		0.6					4.4		16.2
Delay (s)		9.7	8.6		8.4					29.2		43.4
Level of Service		A	A		A					C		D
Approach Delay (s)		9.4			8.4			0.0			38.1	
Approach LOS		A			A			A			D	

Intersection Summary			
HCM 2000 Control Delay	17.0	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.56		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2
Intersection Capacity Utilization	73.7%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	967	0	0	600	228	100
Future Volume (vph)	967	0	0	600	228	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3643	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3643	1532
Peak-hour factor, PHF	0.94	0.94	0.92	0.92	0.92	0.92
Adj. Flow (vph)	1029	0	0	652	248	109
RTOR Reduction (vph)	0	0	0	0	5	34
Lane Group Flow (vph)	1029	0	0	652	254	64
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	52.4			52.4	11.1	11.1
Effective Green, g (s)	52.4			52.4	11.1	11.1
Actuated g/C Ratio	0.65			0.65	0.14	0.14
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2464			3540	505	212
v/s Ratio Prot	c0.27			0.12	c0.07	
v/s Ratio Perm						0.04
v/c Ratio	0.42			0.18	0.50	0.30
Uniform Delay, d1	6.6			5.4	31.9	31.0
Progression Factor	0.62			1.00	1.00	1.00
Incremental Delay, d2	0.5			0.1	0.8	0.8
Delay (s)	4.5			5.5	32.7	31.8
Level of Service	A			A	C	C
Approach Delay (s)	4.5			5.5	32.4	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.7	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.43		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	46.3%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	6	941	1069	113	2	15
Future Volume (Veh/h)	6	941	1069	113	2	15
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.93	0.93	0.94	0.94	0.61	0.61
Hourly flow rate (vph)	6	1012	1137	120	3	25
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.95				0.88	0.95
vC, conflicting volume	1257				1715	439
vC1, stage 1 conf vol					1197	
vC2, stage 2 conf vol					518	
vCu, unblocked vol	1070				1163	204
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	99				99	97
cM capacity (veh/h)	618				289	764

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	6	506	506	455	455	347	28
Volume Left	6	0	0	0	0	0	3
Volume Right	0	0	0	0	0	120	25
cSH	618	1700	1700	1700	1700	1700	650
Volume to Capacity	0.01	0.30	0.30	0.27	0.27	0.20	0.04
Queue Length 95th (ft)	1	0	0	0	0	0	3
Control Delay (s)	10.9	0.0	0.0	0.0	0.0	0.0	10.8
Lane LOS	B						B
Approach Delay (s)	0.1			0.0			10.8
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	34.7%	ICU Level of Service	A
Analysis Period (min)	15		



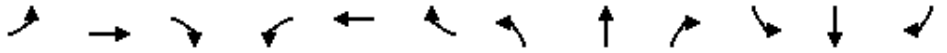
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	934	9	81	1179	3	57
Future Volume (Veh/h)	934	9	81	1179	3	57
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.95	0.95	0.72	0.72
Hourly flow rate (vph)	1038	10	85	1241	4	79
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.85		0.89	0.85
vC, conflicting volume			1048		1627	524
vC1, stage 1 conf vol					1043	
vC2, stage 2 conf vol					584	
vCu, unblocked vol			711		999	96
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			89		99	90
cM capacity (veh/h)			760		354	808

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	692	356	85	414	414	414	83
Volume Left	0	0	85	0	0	0	4
Volume Right	0	10	0	0	0	0	79
cSH	1700	1700	760	1700	1700	1700	761
Volume to Capacity	0.41	0.21	0.11	0.24	0.24	0.24	0.11
Queue Length 95th (ft)	0	0	9	0	0	0	9
Control Delay (s)	0.0	0.0	10.3	0.0	0.0	0.0	10.3
Lane LOS			B				B
Approach Delay (s)	0.0		0.7				10.3
Approach LOS							B

Intersection Summary			
Average Delay	0.7		
Intersection Capacity Utilization	42.6%	ICU Level of Service	A
Analysis Period (min)	15		

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	150	460	80	272	375	325	77	543	302	344	480	120
Future Volume (vph)	150	460	80	272	375	325	77	543	302	344	480	120
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1818	3679		1818	3762	1683	1818	3762	1662	1818	3762	1683
Flt Permitted	0.44	1.00		0.30	1.00	1.00	0.38	1.00	1.00	0.25	1.00	1.00
Satd. Flow (perm)	839	3679		568	3762	1683	723	3762	1662	472	3762	1683
Peak-hour factor, PHF	0.93	0.93	0.93	0.87	0.87	0.87	0.84	0.84	0.84	0.92	0.92	0.92
Adj. Flow (vph)	161	495	86	313	431	374	92	646	360	374	522	130
RTOR Reduction (vph)	0	18	0	0	0	270	0	0	183	0	0	93
Lane Group Flow (vph)	161	563	0	313	431	104	92	646	177	374	522	37
Confl. Peds. (#/hr)									1	1		
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Effective Green, g (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Actuated g/C Ratio	0.31	0.24		0.31	0.24	0.24	0.37	0.25	0.25	0.37	0.28	0.28
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	332	892		267	912	408	364	926	409	343	1067	477
v/s Ratio Prot	0.03	0.15		c0.08	0.11		0.02	0.17		c0.14	0.14	
v/s Ratio Perm	0.12			c0.28		0.06	0.07		0.11	c0.27		0.02
v/c Ratio	0.48	0.63		1.17	0.47	0.25	0.25	0.70	0.43	1.09	0.49	0.08
Uniform Delay, d1	24.7	27.1		29.6	25.9	24.5	20.6	27.4	25.4	28.1	23.8	21.0
Progression Factor	1.00	1.00		1.07	1.01	1.77	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.1	3.4		107.8	1.6	1.4	0.4	4.3	3.3	75.0	1.6	0.3
Delay (s)	25.8	30.5		139.5	27.9	44.8	21.0	31.8	28.7	103.1	25.4	21.3
Level of Service	C	C		F	C	D	C	C	C	F	C	C
Approach Delay (s)		29.5			64.8			29.9			53.2	
Approach LOS		C			E			C			D	

Intersection Summary			
HCM 2000 Control Delay	45.6	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.13		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	93.8%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



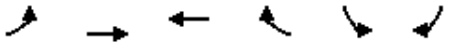
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Future Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.95	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.89	0.89	0.89
Adj. Flow (vph)	0	944	318	0	860	0	0	0	0	299	0	366
RTOR Reduction (vph)	0	0	136	0	0	0	0	0	0	0	0	109
Lane Group Flow (vph)	0	944	182	0	860	0	0	0	0	299	0	257
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		c0.26			0.23					c0.16		
v/s Ratio Perm			0.11									0.16
v/c Ratio		0.45	0.20		0.41					0.60		0.57
Uniform Delay, d1		9.9	8.2		9.5					25.2		25.0
Progression Factor		1.10	1.41		0.72					1.00		1.00
Incremental Delay, d2		0.5	0.3		0.6					5.2		5.3
Delay (s)		11.4	12.0		7.4					30.4		30.2
Level of Service		B	B		A					C		C
Approach Delay (s)		11.5			7.4			0.0			30.3	
Approach LOS		B			A			A			C	

Intersection Summary			
HCM 2000 Control Delay	14.8	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.50		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2
Intersection Capacity Utilization	67.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1163	0	0	591	200	100
Future Volume (vph)	1163	0	0	591	200	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3641	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3641	1532
Peak-hour factor, PHF	0.95	0.95	0.92	0.92	0.92	0.92
Adj. Flow (vph)	1224	0	0	642	217	109
RTOR Reduction (vph)	0	0	0	0	5	54
Lane Group Flow (vph)	1224	0	0	642	223	44
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	53.1			53.1	10.4	10.4
Effective Green, g (s)	53.1			53.1	10.4	10.4
Actuated g/C Ratio	0.66			0.66	0.13	0.13
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2497			3588	473	199
v/s Ratio Prot	c0.33			0.12	c0.06	
v/s Ratio Perm						0.03
v/c Ratio	0.49			0.18	0.47	0.22
Uniform Delay, d1	6.7			5.1	32.3	31.2
Progression Factor	0.61			1.00	1.00	1.00
Incremental Delay, d2	0.6			0.1	0.7	0.6
Delay (s)	4.7			5.2	33.0	31.7
Level of Service	A			A	C	C
Approach Delay (s)	4.7			5.2	32.6	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.0	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.49		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	50.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	1	1144	993	87	5	18
Future Volume (Veh/h)	1	1144	993	87	5	18
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.95	0.95	0.94	0.94	0.64	0.64
Hourly flow rate (vph)	1	1204	1056	93	8	28
Pedestrians					1	
Lane Width (ft)					12.0	
Walking Speed (ft/s)					3.5	
Percent Blockage					0	
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.94				0.92	0.94
vC, conflicting volume	1150				1708	400
vC1, stage 1 conf vol					1104	
vC2, stage 2 conf vol					604	
vCu, unblocked vol	950				1228	154
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	100				97	97
cM capacity (veh/h)	684				316	821

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	1	602	602	422	422	304	36
Volume Left	1	0	0	0	0	0	8
Volume Right	0	0	0	0	0	93	28
cSH	684	1700	1700	1700	1700	1700	606
Volume to Capacity	0.00	0.35	0.35	0.25	0.25	0.18	0.06
Queue Length 95th (ft)	0	0	0	0	0	0	5
Control Delay (s)	10.3	0.0	0.0	0.0	0.0	0.0	11.3
Lane LOS	B						B
Approach Delay (s)	0.0			0.0			11.3
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	40.0%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1141	8	42	1075	5	58
Future Volume (Veh/h)	1141	8	42	1075	5	58
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.94	0.94	0.79	0.79
Hourly flow rate (vph)	1201	8	45	1144	6	73
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.90		0.93	0.90
vC, conflicting volume			1209		1676	604
vC1, stage 1 conf vol					1205	
vC2, stage 2 conf vol					471	
vCu, unblocked vol			1004		1143	331
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			93		98	88
cM capacity (veh/h)			621		277	602

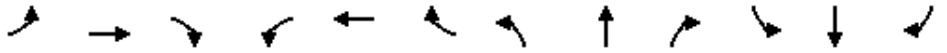
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	801	408	45	381	381	381	79
Volume Left	0	0	45	0	0	0	6
Volume Right	0	8	0	0	0	0	73
cSH	1700	1700	621	1700	1700	1700	553
Volume to Capacity	0.47	0.24	0.07	0.22	0.22	0.22	0.14
Queue Length 95th (ft)	0	0	6	0	0	0	12
Control Delay (s)	0.0	0.0	11.3	0.0	0.0	0.0	12.6
Lane LOS			B				B
Approach Delay (s)	0.0		0.4				12.6
Approach LOS							B

Intersection Summary				
Average Delay	0.6			
Intersection Capacity Utilization	43.5%	ICU Level of Service		A
Analysis Period (min)	15			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	128	617	48	308	550	378	87	448	397	387	505	127
Future Volume (vph)	128	617	48	308	550	378	87	448	397	387	505	127
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3758		1837	3800	1700	1837	3800	1700	1837	3800	1700
Flt Permitted	0.25	1.00		0.21	1.00	1.00	0.34	1.00	1.00	0.36	1.00	1.00
Satd. Flow (perm)	492	3758		397	3800	1700	658	3800	1700	697	3800	1700
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	135	649	51	324	579	398	92	472	418	407	532	134
RTOR Reduction (vph)	0	6	0	0	0	312	0	0	237	0	0	99
Lane Group Flow (vph)	135	694	0	324	579	86	92	472	181	407	532	35
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	30.2	19.5		30.2	19.5	19.5	34.6	19.7	19.7	34.6	23.6	23.6
Effective Green, g (s)	30.2	19.5		30.2	19.5	19.5	34.6	19.7	19.7	34.6	23.6	23.6
Actuated g/C Ratio	0.34	0.22		0.34	0.22	0.22	0.38	0.22	0.22	0.38	0.26	0.26
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	324	814		304	823	368	397	831	372	456	996	445
v/s Ratio Prot	0.05	0.18		c0.13	0.15		0.03	0.12		c0.15	0.14	
v/s Ratio Perm	0.09			c0.23		0.05	0.06		0.11	c0.20		0.02
v/c Ratio	0.42	0.85		1.07	0.70	0.23	0.23	0.57	0.49	0.89	0.53	0.08
Uniform Delay, d1	30.0	33.9		34.8	32.6	29.1	23.3	31.4	30.7	28.0	28.5	25.0
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.9	11.0		70.1	5.0	1.5	0.3	2.8	4.5	19.3	2.1	0.3
Delay (s)	30.9	44.8		104.9	37.6	30.6	23.6	34.2	35.2	47.3	30.5	25.4
Level of Service	C	D		F	D	C	C	C	D	D	C	C
Approach Delay (s)		42.6			52.2			33.6			36.2	
Approach LOS		D			D			C			D	

Intersection Summary			
HCM 2000 Control Delay	41.8	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.97		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	87.0%	ICU Level of Service	E
Analysis Period (min)	15		

c Critical Lane Group

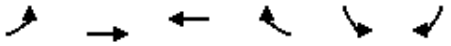


Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Future Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3673	1643		3673					1837		1643
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3673	1643		3673					1837		1643
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.92	0.92	0.92	0.89	0.89	0.89
Adj. Flow (vph)	0	1162	477	0	1011	0	0	0	0	336	0	547
RTOR Reduction (vph)	0	0	204	0	0	0	0	0	0	0	0	76
Lane Group Flow (vph)	0	1162	273	0	1011	0	0	0	0	336	0	471
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2102	940		2102					505		451
v/s Ratio Prot		c0.32			0.28					0.18		
v/s Ratio Perm			0.17									c0.29
v/c Ratio		0.55	0.29		0.48					0.67		1.04
Uniform Delay, d1		10.7	8.8		10.1					25.7		29.0
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		1.1	0.8		0.8					6.8		54.3
Delay (s)		11.7	9.6		8.8					32.5		83.3
Level of Service		B	A		A					C		F
Approach Delay (s)		11.1			8.8			0.0			64.0	
Approach LOS		B			A			A			E	

Intersection Summary			
HCM 2000 Control Delay	23.7	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.71		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2
Intersection Capacity Utilization	77.0%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1391	0	0	700	250	100
Future Volume (vph)	1391	0	0	700	250	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3800			5460	3681	1547
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3800			5460	3681	1547
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.92	0.92
Adj. Flow (vph)	1480	0	0	745	272	109
RTOR Reduction (vph)	0	0	0	0	5	7
Lane Group Flow (vph)	1480	0	0	745	278	91
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	51.9			51.9	11.6	11.6
Effective Green, g (s)	51.9			51.9	11.6	11.6
Actuated g/C Ratio	0.65			0.65	0.14	0.14
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2465			3542	533	224
v/s Ratio Prot	c0.39			0.14	c0.08	
v/s Ratio Perm						0.06
v/c Ratio	0.60			0.21	0.52	0.41
Uniform Delay, d1	8.1			5.7	31.6	31.1
Progression Factor	0.61			1.00	1.00	1.00
Incremental Delay, d2	0.9			0.1	0.9	1.2
Delay (s)	5.8			5.9	32.6	32.3
Level of Service	A			A	C	C
Approach Delay (s)	5.8			5.9	32.5	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.7	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.59		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	58.0%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	8	1449	1249	135	13	29
Future Volume (Veh/h)	8	1449	1249	135	13	29
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.88	0.88
Hourly flow rate (vph)	8	1525	1315	142	15	33
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.91				0.87	0.91
vC, conflicting volume	1457				2164	509
vC1, stage 1 conf vol					1386	
vC2, stage 2 conf vol					778	
vCu, unblocked vol	1164				1436	125
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	99				94	96
cM capacity (veh/h)	554				247	829

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	8	762	762	526	526	405	48
Volume Left	8	0	0	0	0	0	15
Volume Right	0	0	0	0	0	142	33
cSH	554	1700	1700	1700	1700	1700	477
Volume to Capacity	0.01	0.45	0.45	0.31	0.31	0.24	0.10
Queue Length 95th (ft)	1	0	0	0	0	0	8
Control Delay (s)	11.6	0.0	0.0	0.0	0.0	0.0	13.4
Lane LOS	B						B
Approach Delay (s)	0.1			0.0			13.4
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	48.1%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1458	4	61	1376	8	82
Future Volume (Veh/h)	1458	4	61	1376	8	82
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.75	0.75
Hourly flow rate (vph)	1535	4	64	1448	11	109
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.83		0.88	0.83
vC, conflicting volume			1539		2148	770
vC1, stage 1 conf vol					1537	
vC2, stage 2 conf vol					611	
vCu, unblocked vol			1237		1353	308
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			86		94	81
cM capacity (veh/h)			472		193	575

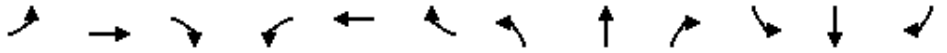
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	1023	516	64	483	483	483	120
Volume Left	0	0	64	0	0	0	11
Volume Right	0	4	0	0	0	0	109
cSH	1700	1700	472	1700	1700	1700	487
Volume to Capacity	0.60	0.30	0.14	0.28	0.28	0.28	0.25
Queue Length 95th (ft)	0	0	12	0	0	0	24
Control Delay (s)	0.0	0.0	13.8	0.0	0.0	0.0	14.8
Lane LOS			B				B
Approach Delay (s)	0.0		0.6				14.8
Approach LOS							B

Intersection Summary				
Average Delay	0.8			
Intersection Capacity Utilization	57.0%	ICU Level of Service		B
Analysis Period (min)	15			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	139	560	49	269	400	296	64	315	255	127	188	92
Future Volume (vph)	139	560	49	269	400	296	64	315	255	127	188	92
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3754		1818	3762	1683	1817	3762	1683	1818	3762	1660
Flt Permitted	0.45	1.00		0.23	1.00	1.00	0.62	1.00	1.00	0.50	1.00	1.00
Satd. Flow (perm)	873	3754		441	3762	1683	1195	3762	1683	965	3762	1660
Peak-hour factor, PHF	0.86	0.86	0.86	0.95	0.95	0.95	0.94	0.94	0.94	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	165	664	58	289	429	318	69	342	277	136	202	99
RTOR Reduction (vph)	0	6	0	0	0	222	0	0	216	0	0	75
Lane Group Flow (vph)	165	716	0	289	429	96	69	342	61	136	202	24
Confl. Peds. (#/hr)							2					2
Heavy Vehicles (%)	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	37.8	27.1		37.8	27.1	27.1	27.0	19.7	19.7	27.0	22.1	22.1
Effective Green, g (s)	37.8	27.1		37.8	27.1	27.1	27.0	19.7	19.7	27.0	22.1	22.1
Actuated g/C Ratio	0.42	0.30		0.42	0.30	0.30	0.30	0.22	0.22	0.30	0.25	0.25
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	481	1130		348	1132	506	392	823	368	358	923	407
v/s Ratio Prot	0.04	0.19		c0.10	0.11		0.01	c0.09		c0.03	0.05	
v/s Ratio Perm	0.10			c0.25		0.06	0.04		0.04	0.08		0.01
v/c Ratio	0.34	0.63		0.83	0.38	0.19	0.18	0.42	0.16	0.38	0.22	0.06
Uniform Delay, d1	20.2	27.2		29.2	24.8	23.3	23.4	30.2	28.5	26.6	27.1	26.0
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.4	2.7		15.4	1.0	0.8	0.2	1.5	1.0	0.7	0.5	0.3
Delay (s)	20.6	29.9		44.6	25.8	24.1	23.6	31.7	29.4	27.3	27.6	26.3
Level of Service	C	C		D	C	C	C	C	C	C	C	C
Approach Delay (s)		28.1			30.5			30.0			27.2	
Approach LOS		C			C			C			C	

Intersection Summary			
HCM 2000 Control Delay	29.2	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	82.0%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Future Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.94	0.94	0.94	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	773	303	0	918	0	0	0	0	283	0	479
RTOR Reduction (vph)	0	0	130	0	0	0	0	0	0	0	0	95
Lane Group Flow (vph)	0	773	173	0	918	0	0	0	0	283	0	384
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		0.21			c0.25					0.16		
v/s Ratio Perm			0.11									c0.24
v/c Ratio		0.37	0.19		0.44					0.57		0.86
Uniform Delay, d1		9.3	8.2		9.7					24.9		27.5
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		0.5	0.4		0.7					4.6		18.9
Delay (s)		9.8	8.6		8.5					29.5		46.4
Level of Service		A	A		A					C		D
Approach Delay (s)		9.5			8.5			0.0			40.2	
Approach LOS		A			A			A			D	

Intersection Summary					
HCM 2000 Control Delay	17.6	HCM 2000 Level of Service		B	
HCM 2000 Volume to Capacity ratio	0.57				
Actuated Cycle Length (s)	80.0	Sum of lost time (s)		12.2	
Intersection Capacity Utilization	74.3%	ICU Level of Service		D	
Analysis Period (min)	15				

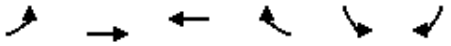
c Critical Lane Group



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	967	0	0	600	228	100
Future Volume (vph)	967	0	0	600	228	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3643	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3643	1532
Peak-hour factor, PHF	0.94	0.94	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1049	0	0	665	253	111
RTOR Reduction (vph)	0	0	0	0	5	33
Lane Group Flow (vph)	1049	0	0	665	259	67
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	52.3			52.3	11.2	11.2
Effective Green, g (s)	52.3			52.3	11.2	11.2
Actuated g/C Ratio	0.65			0.65	0.14	0.14
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2459			3534	510	214
v/s Ratio Prot	c0.28			0.12	c0.07	
v/s Ratio Perm						0.04
v/c Ratio	0.43			0.19	0.51	0.31
Uniform Delay, d1	6.7			5.5	31.8	30.9
Progression Factor	0.62			1.00	1.00	1.00
Incremental Delay, d2	0.5			0.1	0.8	0.8
Delay (s)	4.6			5.6	32.6	31.8
Level of Service	A			A	C	C
Approach Delay (s)	4.6			5.6	32.4	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.8	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	47.0%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	6	941	1069	113	2	15
Future Volume (Veh/h)	6	941	1069	113	2	15
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.93	0.93	0.94	0.94	0.61	0.61
Hourly flow rate (vph)	7	1032	1160	123	3	25
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.94				0.88	0.94
vC, conflicting volume	1283				1752	448
vC1, stage 1 conf vol					1222	
vC2, stage 2 conf vol					530	
vCu, unblocked vol	1083				1173	196
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	99				99	97
cM capacity (veh/h)	608				284	771

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	7	516	516	464	464	355	28
Volume Left	7	0	0	0	0	0	3
Volume Right	0	0	0	0	0	123	25
cSH	608	1700	1700	1700	1700	1700	651
Volume to Capacity	0.01	0.30	0.30	0.27	0.27	0.21	0.04
Queue Length 95th (ft)	1	0	0	0	0	0	3
Control Delay (s)	11.0	0.0	0.0	0.0	0.0	0.0	10.8
Lane LOS	B						B
Approach Delay (s)	0.1			0.0			10.8
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	35.2%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	934	9	81	1179	3	57
Future Volume (Veh/h)	934	9	81	1179	3	57
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.95	0.95	0.72	0.72
Hourly flow rate (vph)	1059	10	87	1266	4	81
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.85		0.88	0.85
vC, conflicting volume			1069		1660	534
vC1, stage 1 conf vol					1064	
vC2, stage 2 conf vol					596	
vCu, unblocked vol			724		1004	94
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			88		99	90
cM capacity (veh/h)			747		348	806

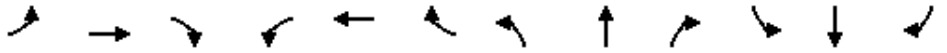
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	706	363	87	422	422	422	85
Volume Left	0	0	87	0	0	0	4
Volume Right	0	10	0	0	0	0	81
cSH	1700	1700	747	1700	1700	1700	759
Volume to Capacity	0.42	0.21	0.12	0.25	0.25	0.25	0.11
Queue Length 95th (ft)	0	0	10	0	0	0	9
Control Delay (s)	0.0	0.0	10.4	0.0	0.0	0.0	10.3
Lane LOS			B				B
Approach Delay (s)	0.0		0.7				10.3
Approach LOS							B

Intersection Summary				
Average Delay	0.7			
Intersection Capacity Utilization	43.2%	ICU Level of Service		A
Analysis Period (min)	15			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	150	460	80	272	375	325	77	543	302	344	480	120
Future Volume (vph)	150	460	80	272	375	325	77	543	302	344	480	120
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1818	3679		1818	3762	1683	1818	3762	1662	1818	3762	1683
Flt Permitted	0.43	1.00		0.29	1.00	1.00	0.37	1.00	1.00	0.24	1.00	1.00
Satd. Flow (perm)	821	3679		549	3762	1683	707	3762	1662	453	3762	1683
Peak-hour factor, PHF	0.93	0.93	0.93	0.87	0.87	0.87	0.84	0.84	0.84	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	165	505	88	319	440	381	94	659	367	381	532	133
RTOR Reduction (vph)	0	18	0	0	0	267	0	0	179	0	0	95
Lane Group Flow (vph)	165	575	0	319	440	114	94	659	188	381	532	38
Confl. Peds. (#/hr)									1	1		
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Effective Green, g (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Actuated g/C Ratio	0.31	0.24		0.31	0.24	0.24	0.37	0.25	0.25	0.37	0.28	0.28
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	328	892		262	912	408	359	926	409	338	1067	477
v/s Ratio Prot	0.04	0.16		c0.09	0.12		0.02	0.18		c0.14	0.14	
v/s Ratio Perm	0.12			c0.29		0.07	0.07		0.11	c0.28		0.02
v/c Ratio	0.50	0.64		1.22	0.48	0.28	0.26	0.71	0.46	1.13	0.50	0.08
Uniform Delay, d1	25.0	27.2		29.7	26.0	24.6	20.9	27.6	25.6	28.3	23.9	21.0
Progression Factor	1.00	1.00		1.07	1.02	1.67	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.2	3.6		125.3	1.7	1.5	0.4	4.6	3.7	88.0	1.7	0.3
Delay (s)	26.3	30.8		157.1	28.1	42.7	21.2	32.2	29.3	116.3	25.6	21.3
Level of Service	C	C		F	C	D	C	C	C	F	C	C
Approach Delay (s)		29.8			69.1			30.3			58.1	
Approach LOS		C			E			C			E	

Intersection Summary			
HCM 2000 Control Delay	48.2	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.17		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	94.7%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Future Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.95	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.89	0.89	0.89
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	963	324	0	877	0	0	0	0	305	0	374
RTOR Reduction (vph)	0	0	139	0	0	0	0	0	0	0	0	105
Lane Group Flow (vph)	0	963	185	0	877	0	0	0	0	305	0	269
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		c0.26			0.24					c0.17		
v/s Ratio Perm			0.11									0.17
v/c Ratio		0.46	0.20		0.42					0.61		0.60
Uniform Delay, d1		9.9	8.3		9.6					25.3		25.2
Progression Factor		1.11	1.48		0.72					1.00		1.00
Incremental Delay, d2		0.5	0.3		0.6					5.5		5.9
Delay (s)		11.5	12.5		7.5					30.8		31.1
Level of Service		B	B		A					C		C
Approach Delay (s)		11.8			7.5			0.0			30.9	
Approach LOS		B			A			A			C	

Intersection Summary					
HCM 2000 Control Delay	15.0	HCM 2000 Level of Service		B	
HCM 2000 Volume to Capacity ratio	0.51				
Actuated Cycle Length (s)	80.0	Sum of lost time (s)		12.2	
Intersection Capacity Utilization	67.9%	ICU Level of Service		C	
Analysis Period (min)	15				

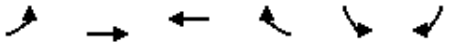
c Critical Lane Group



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1163	0	0	591	200	100
Future Volume (vph)	1163	0	0	591	200	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3641	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3641	1532
Peak-hour factor, PHF	0.95	0.95	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1249	0	0	655	222	111
RTOR Reduction (vph)	0	0	0	0	5	50
Lane Group Flow (vph)	1249	0	0	655	228	50
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	53.0			53.0	10.5	10.5
Effective Green, g (s)	53.0			53.0	10.5	10.5
Actuated g/C Ratio	0.66			0.66	0.13	0.13
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2492			3581	477	201
v/s Ratio Prot	c0.33			0.12	c0.06	
v/s Ratio Perm						0.03
v/c Ratio	0.50			0.18	0.48	0.25
Uniform Delay, d1	6.8			5.2	32.2	31.2
Progression Factor	0.60			1.00	1.00	1.00
Incremental Delay, d2	0.6			0.1	0.8	0.6
Delay (s)	4.7			5.3	33.0	31.8
Level of Service	A			A	C	C
Approach Delay (s)	4.7			5.3	32.6	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.1	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.50		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	51.4%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	1	1144	993	87	5	18
Future Volume (Veh/h)	1	1144	993	87	5	18
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.95	0.95	0.94	0.94	0.64	0.64
Hourly flow rate (vph)	1	1228	1078	94	8	29
Pedestrians					1	
Lane Width (ft)					12.0	
Walking Speed (ft/s)					3.5	
Percent Blockage					0	
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.94				0.92	0.94
vC, conflicting volume	1173				1742	407
vC1, stage 1 conf vol					1126	
vC2, stage 2 conf vol					616	
vCu, unblocked vol	961				1238	146
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	100				97	96
cM capacity (veh/h)	674				312	827

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	1	614	614	431	431	310	37
Volume Left	1	0	0	0	0	0	8
Volume Right	0	0	0	0	0	94	29
cSH	674	1700	1700	1700	1700	1700	609
Volume to Capacity	0.00	0.36	0.36	0.25	0.25	0.18	0.06
Queue Length 95th (ft)	0	0	0	0	0	0	5
Control Delay (s)	10.3	0.0	0.0	0.0	0.0	0.0	11.3
Lane LOS	B						B
Approach Delay (s)	0.0			0.0			11.3
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	40.6%	ICU Level of Service	A
Analysis Period (min)	15		



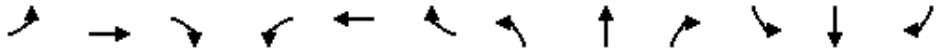
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1141	8	42	1075	5	58
Future Volume (Veh/h)	1141	8	42	1075	5	58
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.94	0.94	0.79	0.79
Hourly flow rate (vph)	1225	9	46	1166	6	75
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.89		0.93	0.89
vC, conflicting volume			1234		1710	617
vC1, stage 1 conf vol					1230	
vC2, stage 2 conf vol					481	
vCu, unblocked vol			1023		1154	333
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			92		98	87
cM capacity (veh/h)			608		270	598

Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	817	417	46	389	389	389	81
Volume Left	0	0	46	0	0	0	6
Volume Right	0	9	0	0	0	0	75
cSH	1700	1700	608	1700	1700	1700	548
Volume to Capacity	0.48	0.25	0.08	0.23	0.23	0.23	0.15
Queue Length 95th (ft)	0	0	6	0	0	0	13
Control Delay (s)	0.0	0.0	11.4	0.0	0.0	0.0	12.7
Lane LOS			B				B
Approach Delay (s)	0.0		0.4				12.7
Approach LOS							B

Intersection Summary				
Average Delay	0.6			
Intersection Capacity Utilization	44.2%	ICU Level of Service		A
Analysis Period (min)	15			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	128	617	48	308	550	378	87	448	397	387	505	127
Future Volume (vph)	128	617	48	308	550	378	87	448	397	387	505	127
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3758		1837	3800	1700	1837	3800	1700	1837	3800	1700
Flt Permitted	0.24	1.00		0.21	1.00	1.00	0.33	1.00	1.00	0.35	1.00	1.00
Satd. Flow (perm)	468	3758		399	3800	1700	643	3800	1700	679	3800	1700
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	137	662	52	331	591	406	93	481	426	416	542	136
RTOR Reduction (vph)	0	6	0	0	0	318	0	0	234	0	0	100
Lane Group Flow (vph)	137	708	0	331	591	88	93	481	192	416	542	36
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	30.1	19.4		30.1	19.4	19.4	34.7	19.7	19.7	34.7	23.7	23.7
Effective Green, g (s)	30.1	19.4		30.1	19.4	19.4	34.7	19.7	19.7	34.7	23.7	23.7
Actuated g/C Ratio	0.33	0.22		0.33	0.22	0.22	0.39	0.22	0.22	0.39	0.26	0.26
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	319	810		304	819	366	393	831	372	454	1000	447
v/s Ratio Prot	0.05	0.19		c0.13	0.16		0.03	0.13		c0.15	0.14	
v/s Ratio Perm	0.09			c0.23		0.05	0.06		0.11	c0.20		0.02
v/c Ratio	0.43	0.87		1.09	0.72	0.24	0.24	0.58	0.52	0.92	0.54	0.08
Uniform Delay, d1	30.2	34.1		35.1	32.8	29.2	23.5	31.4	30.9	28.3	28.5	24.9
Progression Factor	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.9	12.6		77.4	5.5	1.5	0.3	2.9	5.0	23.0	2.1	0.4
Delay (s)	31.2	46.7		112.5	38.3	30.7	23.8	34.4	36.0	51.3	30.6	25.3
Level of Service	C	D		F	D	C	C	C	D	D	C	C
Approach Delay (s)		44.2			54.5			34.1			37.8	
Approach LOS		D			D			C			D	

Intersection Summary			
HCM 2000 Control Delay	43.4	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	88.3%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Future Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3673	1643		3673					1837		1643
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3673	1643		3673					1837		1643
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.92	0.92	0.92	0.89	0.89	0.89
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	1185	486	0	1031	0	0	0	0	343	0	558
RTOR Reduction (vph)	0	0	208	0	0	0	0	0	0	0	0	73
Lane Group Flow (vph)	0	1185	278	0	1031	0	0	0	0	343	0	486
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2102	940		2102					505		451
v/s Ratio Prot		c0.32			0.28					0.19		
v/s Ratio Perm			0.17									c0.30
v/c Ratio		0.56	0.30		0.49					0.68		1.08
Uniform Delay, d1		10.8	8.8		10.2					25.9		29.0
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		1.1	0.8		0.8					7.2		64.4
Delay (s)		11.9	9.6		8.9					33.0		93.4
Level of Service		B	A		A					C		F
Approach Delay (s)		11.2			8.9			0.0			70.4	
Approach LOS		B			A			A			E	

Intersection Summary			
HCM 2000 Control Delay	25.4	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2
Intersection Capacity Utilization	77.6%	ICU Level of Service	D
Analysis Period (min)	15		

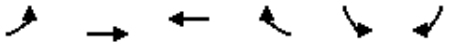
c Critical Lane Group



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1391	0	0	700	250	100
Future Volume (vph)	1391	0	0	700	250	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3800			5460	3681	1547
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3800			5460	3681	1547
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1509	0	0	760	277	111
RTOR Reduction (vph)	0	0	0	0	5	7
Lane Group Flow (vph)	1509	0	0	760	283	93
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	51.8			51.8	11.7	11.7
Effective Green, g (s)	51.8			51.8	11.7	11.7
Actuated g/C Ratio	0.65			0.65	0.15	0.15
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2460			3535	538	226
v/s Ratio Prot	c0.40			0.14	c0.08	
v/s Ratio Perm						0.06
v/c Ratio	0.61			0.21	0.53	0.41
Uniform Delay, d1	8.2			5.8	31.6	31.0
Progression Factor	0.61			1.00	1.00	1.00
Incremental Delay, d2	0.9			0.1	0.9	1.2
Delay (s)	6.0			5.9	32.5	32.2
Level of Service	A			A	C	C
Approach Delay (s)	6.0			5.9	32.4	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.8	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	58.9%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	8	1449	1249	135	13	29
Future Volume (Veh/h)	8	1449	1249	135	13	29
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.88	0.88
Hourly flow rate (vph)	9	1556	1341	145	15	34
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type		TWLTL	TWLTL			
Median storage veh)		2	2			
Upstream signal (ft)		874	657			
pX, platoon unblocked	0.91				0.87	0.91
vC, conflicting volume	1486				2210	520
vC1, stage 1 conf vol					1414	
vC2, stage 2 conf vol					796	
vCu, unblocked vol	1179				1450	113
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)	2.2				3.5	3.3
p0 queue free %	98				94	96
cM capacity (veh/h)	544				242	839

Direction, Lane #	EB 1	EB 2	EB 3	WB 1	WB 2	WB 3	SB 1
Volume Total	9	778	778	536	536	413	49
Volume Left	9	0	0	0	0	0	15
Volume Right	0	0	0	0	0	145	34
cSH	544	1700	1700	1700	1700	1700	477
Volume to Capacity	0.02	0.46	0.46	0.32	0.32	0.24	0.10
Queue Length 95th (ft)	1	0	0	0	0	0	9
Control Delay (s)	11.7	0.0	0.0	0.0	0.0	0.0	13.4
Lane LOS	B						B
Approach Delay (s)	0.1			0.0			13.4
Approach LOS							B

Intersection Summary			
Average Delay	0.2		
Intersection Capacity Utilization	48.8%	ICU Level of Service	A
Analysis Period (min)	15		



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1458	4	61	1376	8	82
Future Volume (Veh/h)	1458	4	61	1376	8	82
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.75	0.75
Hourly flow rate (vph)	1565	4	65	1477	11	112
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	TWLTL			TWLTL		
Median storage veh)	2			2		
Upstream signal (ft)	982			549		
pX, platoon unblocked			0.82		0.88	0.82
vC, conflicting volume			1569		2189	784
vC1, stage 1 conf vol					1567	
vC2, stage 2 conf vol					622	
vCu, unblocked vol			1264		1366	312
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)					5.8	
tF (s)			2.2		3.5	3.3
p0 queue free %			86		94	80
cM capacity (veh/h)			459		186	568

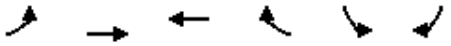
Direction, Lane #	EB 1	EB 2	WB 1	WB 2	WB 3	WB 4	NB 1
Volume Total	1043	526	65	492	492	492	123
Volume Left	0	0	65	0	0	0	11
Volume Right	0	4	0	0	0	0	112
cSH	1700	1700	459	1700	1700	1700	480
Volume to Capacity	0.61	0.31	0.14	0.29	0.29	0.29	0.26
Queue Length 95th (ft)	0	0	12	0	0	0	25
Control Delay (s)	0.0	0.0	14.1	0.0	0.0	0.0	15.1
Lane LOS			B				C
Approach Delay (s)	0.0		0.6				15.1
Approach LOS							C

Intersection Summary				
Average Delay	0.9			
Intersection Capacity Utilization	57.9%	ICU Level of Service		B
Analysis Period (min)	15			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	139	560	49	269	400	296	64	315	255	110	188	92
Future Volume (vph)	139	560	49	269	400	296	64	315	255	110	188	92
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3754		1818	3762	1683	1817	3762	1683	1818	3762	1660
Flt Permitted	0.45	1.00		0.23	1.00	1.00	0.62	1.00	1.00	0.50	1.00	1.00
Satd. Flow (perm)	874	3754		443	3762	1683	1195	3762	1683	965	3762	1660
Peak-hour factor, PHF	0.86	0.86	0.86	0.95	0.95	0.95	0.94	0.94	0.94	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	165	664	58	289	429	318	69	342	277	118	202	99
RTOR Reduction (vph)	0	6	0	0	0	222	0	0	216	0	0	75
Lane Group Flow (vph)	165	716	0	289	429	96	69	342	61	118	202	24
Confl. Peds. (#/hr)							2					2
Heavy Vehicles (%)	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	37.9	27.2		37.9	27.2	27.2	26.9	19.7	19.7	26.9	22.1	22.1
Effective Green, g (s)	37.9	27.2		37.9	27.2	27.2	26.9	19.7	19.7	26.9	22.1	22.1
Actuated g/C Ratio	0.42	0.30		0.42	0.30	0.30	0.30	0.22	0.22	0.30	0.25	0.25
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	482	1134		350	1136	508	390	823	368	356	923	407
v/s Ratio Prot	0.04	0.19		c0.10	0.11		0.01	c0.09		c0.03	0.05	
v/s Ratio Perm	0.10			c0.25		0.06	0.04		0.04	0.07		0.01
v/c Ratio	0.34	0.63		0.83	0.38	0.19	0.18	0.42	0.16	0.33	0.22	0.06
Uniform Delay, d1	20.1	27.1		29.2	24.7	23.2	23.5	30.2	28.5	26.1	27.1	26.0
Progression Factor	1.00	1.00		0.67	0.64	0.22	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.4	2.7		14.0	0.9	0.8	0.2	1.5	1.0	0.6	0.5	0.3
Delay (s)	20.5	29.7		33.6	16.7	5.9	23.7	31.7	29.4	26.7	27.6	26.3
Level of Service	C	C		C	B	A	C	C	C	C	C	C
Approach Delay (s)		28.0			18.1			30.0			27.0	
Approach LOS		C			B			C			C	

Intersection Summary			
HCM 2000 Control Delay	25.0	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	82.0%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



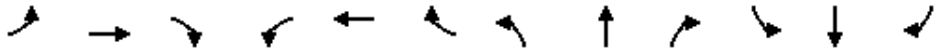
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	6	941	1069	113	20	15
Future Volume (vph)	6	941	1069	113	20	15
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12
Total Lost time (s)	7.9	7.9	7.9		6.1	6.1
Lane Util. Factor	1.00	0.95	0.91		1.00	1.00
Frt	1.00	1.00	0.99		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1818	3762	5328		1900	1700
Flt Permitted	0.17	1.00	1.00		0.95	1.00
Satd. Flow (perm)	333	3762	5328		1900	1700
Peak-hour factor, PHF	0.93	0.93	0.94	0.94	0.61	0.61
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	7	1032	1160	123	33	25
RTOR Reduction (vph)	0	0	11	0	0	24
Lane Group Flow (vph)	7	1032	1272	0	33	1
Heavy Vehicles (%)	1%	1%	1%	1%	0%	0%
Turn Type	pm+pt	NA	NA		Prot	Perm
Protected Phases	1	6	2		4	
Permitted Phases	6					4
Actuated Green, G (s)	43.1	41.9	50.1		4.7	4.7
Effective Green, g (s)	43.1	41.9	50.1		4.7	4.7
Actuated g/C Ratio	0.48	0.47	0.56		0.05	0.05
Clearance Time (s)	7.9	7.9	7.9		6.1	6.1
Vehicle Extension (s)	3.0	0.2	0.2		3.0	3.0
Lane Grp Cap (vph)	179	1751	2965		99	88
v/s Ratio Prot	c0.00	c0.27	c0.24		c0.02	
v/s Ratio Perm	0.02					0.00
v/c Ratio	0.04	0.59	0.43		0.33	0.01
Uniform Delay, d1	15.9	17.7	11.6		41.1	40.5
Progression Factor	0.45	0.64	0.06		1.00	1.00
Incremental Delay, d2	0.1	1.3	0.4		2.0	0.1
Delay (s)	7.2	12.6	1.2		43.1	40.5
Level of Service	A	B	A		D	D
Approach Delay (s)		12.6	1.2		42.0	
Approach LOS		B	A		D	

Intersection Summary			
HCM 2000 Control Delay	7.1	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	42.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	934	9	81	1179	3	57
Future Volume (vph)	934	9	81	1179	3	57
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	12	12	11	12	12	12
Total Lost time (s)	7.9		7.9	7.9	6.1	6.1
Lane Util. Factor	0.95		1.00	0.91	1.00	1.00
Frt	1.00		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3757		1818	5406	1900	1700
Flt Permitted	1.00		0.19	1.00	0.95	1.00
Satd. Flow (perm)	3757		368	5406	1900	1700
Peak-hour factor, PHF	0.90	0.90	0.95	0.95	0.72	0.72
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1059	10	87	1266	4	81
RTOR Reduction (vph)	1	0	0	0	0	76
Lane Group Flow (vph)	1068	0	87	1266	4	5
Heavy Vehicles (%)	1%	1%	1%	1%	0%	0%
Turn Type	NA		pm+pt	NA	Prot	Perm
Protected Phases	6		5	2	8	
Permitted Phases			2			8
Actuated Green, G (s)	41.9		59.2	50.1	6.0	6.0
Effective Green, g (s)	41.9		59.2	50.1	6.0	6.0
Actuated g/C Ratio	0.47		0.66	0.56	0.07	0.07
Clearance Time (s)	7.9		7.9	7.9	6.1	6.1
Vehicle Extension (s)	0.2		3.0	0.2	3.0	3.0
Lane Grp Cap (vph)	1749		393	3009	126	113
v/s Ratio Prot	c0.28		c0.02	0.23	0.00	
v/s Ratio Perm			0.12			c0.00
v/c Ratio	0.61		0.22	0.42	0.03	0.05
Uniform Delay, d1	18.0		13.4	11.5	39.3	39.3
Progression Factor	0.15		1.00	1.00	1.00	1.00
Incremental Delay, d2	1.5		0.3	0.4	0.1	0.2
Delay (s)	4.2		13.7	12.0	39.4	39.5
Level of Service	A		B	B	D	D
Approach Delay (s)	4.2			12.1	39.5	
Approach LOS	A			B	D	

Intersection Summary			
HCM 2000 Control Delay	9.7	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.45		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	53.7%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Future Volume (vph)	0	712	279	0	828	0	0	0	0	255	0	432
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.94	0.94	0.94	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	773	303	0	918	0	0	0	0	283	0	479
RTOR Reduction (vph)	0	0	130	0	0	0	0	0	0	0	0	95
Lane Group Flow (vph)	0	773	173	0	918	0	0	0	0	283	0	384
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		0.21			c0.25					0.16		
v/s Ratio Perm			0.11									c0.24
v/c Ratio		0.37	0.19		0.44					0.57		0.86
Uniform Delay, d1		9.3	8.2		9.7					24.9		27.5
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		0.5	0.4		0.7					4.6		18.9
Delay (s)		9.8	8.6		8.5					29.5		46.4
Level of Service		A	A		A					C		D
Approach Delay (s)		9.5			8.5			0.0			40.2	
Approach LOS		A			A			A			D	

Intersection Summary					
HCM 2000 Control Delay	17.6	HCM 2000 Level of Service		B	
HCM 2000 Volume to Capacity ratio	0.57				
Actuated Cycle Length (s)	80.0	Sum of lost time (s)		12.2	
Intersection Capacity Utilization	74.3%	ICU Level of Service		D	
Analysis Period (min)	15				

c Critical Lane Group



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	967	0	0	600	228	100
Future Volume (vph)	967	0	0	600	228	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3643	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3643	1532
Peak-hour factor, PHF	0.94	0.94	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1049	0	0	665	253	111
RTOR Reduction (vph)	0	0	0	0	5	33
Lane Group Flow (vph)	1049	0	0	665	259	67
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	52.3			52.3	11.2	11.2
Effective Green, g (s)	52.3			52.3	11.2	11.2
Actuated g/C Ratio	0.65			0.65	0.14	0.14
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2459			3534	510	214
v/s Ratio Prot	c0.28			0.12	c0.07	
v/s Ratio Perm						0.04
v/c Ratio	0.43			0.19	0.51	0.31
Uniform Delay, d1	6.7			5.5	31.8	30.9
Progression Factor	0.62			1.00	1.00	1.00
Incremental Delay, d2	0.5			0.1	0.8	0.8
Delay (s)	4.6			5.6	32.6	31.8
Level of Service	A			A	C	C
Approach Delay (s)	4.6			5.6	32.4	
Approach LOS	A			A	C	

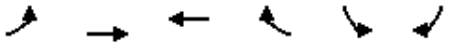
Intersection Summary			
HCM 2000 Control Delay	9.8	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	47.0%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	150	460	80	272	375	325	77	543	302	310	480	120
Future Volume (vph)	150	460	80	272	375	325	77	543	302	310	480	120
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00
Flpb, ped/bikes	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.98		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1818	3679		1818	3762	1683	1818	3762	1662	1818	3762	1683
Flt Permitted	0.43	1.00		0.29	1.00	1.00	0.37	1.00	1.00	0.24	1.00	1.00
Satd. Flow (perm)	821	3679		549	3762	1683	707	3762	1662	453	3762	1683
Peak-hour factor, PHF	0.93	0.93	0.93	0.87	0.87	0.87	0.84	0.84	0.84	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	165	505	88	319	440	381	94	659	367	344	532	133
RTOR Reduction (vph)	0	18	0	0	0	267	0	0	183	0	0	95
Lane Group Flow (vph)	165	575	0	319	440	114	94	659	184	344	532	38
Confl. Peds. (#/hr)									1	1		
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Effective Green, g (s)	25.1	19.4		25.1	19.4	19.4	29.7	19.7	19.7	29.7	22.7	22.7
Actuated g/C Ratio	0.31	0.24		0.31	0.24	0.24	0.37	0.25	0.25	0.37	0.28	0.28
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	328	892		262	912	408	359	926	409	338	1067	477
v/s Ratio Prot	0.04	0.16		c0.09	0.12		0.02	0.18		c0.13	0.14	
v/s Ratio Perm	0.12			c0.29		0.07	0.07		0.11	c0.25		0.02
v/c Ratio	0.50	0.64		1.22	0.48	0.28	0.26	0.71	0.45	1.02	0.50	0.08
Uniform Delay, d1	25.0	27.2		29.7	26.0	24.6	20.9	27.6	25.6	28.3	23.9	21.0
Progression Factor	1.00	1.00		0.68	0.90	1.80	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	1.2	3.6		126.5	1.8	1.6	0.4	4.6	3.5	53.5	1.7	0.3
Delay (s)	26.3	30.8		146.8	25.2	45.9	21.2	32.2	29.1	81.9	25.6	21.3
Level of Service	C	C		F	C	D	C	C	C	F	C	C
Approach Delay (s)		29.8			66.2			30.3			44.2	
Approach LOS		C			E			C			D	

Intersection Summary			
HCM 2000 Control Delay	43.8	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	1.11		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	92.9%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	1	1144	993	87	39	18
Future Volume (vph)	1	1144	993	87	39	18
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12
Total Lost time (s)	7.9	7.9	7.9		6.1	6.1
Lane Util. Factor	1.00	0.95	0.91		1.00	1.00
Frpb, ped/bikes	1.00	1.00	1.00		1.00	1.00
Flpb, ped/bikes	1.00	1.00	1.00		1.00	1.00
Frt	1.00	1.00	0.99		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1818	3762	5331		1900	1700
Flt Permitted	0.19	1.00	1.00		0.95	1.00
Satd. Flow (perm)	369	3762	5331		1900	1700
Peak-hour factor, PHF	0.95	0.95	0.94	0.94	0.64	0.64
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1	1228	1078	94	62	29
RTOR Reduction (vph)	0	0	10	0	0	27
Lane Group Flow (vph)	1	1228	1162	0	62	2
Confl. Peds. (#/hr)	1			1		
Heavy Vehicles (%)	1%	1%	1%	1%	0%	0%
Turn Type	pm+pt	NA	NA		Prot	Perm
Protected Phases	1	6	2		4	
Permitted Phases	6					4
Actuated Green, G (s)	33.9	32.7	38.2		6.6	6.6
Effective Green, g (s)	33.9	32.7	38.2		6.6	6.6
Actuated g/C Ratio	0.42	0.41	0.48		0.08	0.08
Clearance Time (s)	7.9	7.9	7.9		6.1	6.1
Vehicle Extension (s)	3.0	0.2	0.2		3.0	3.0
Lane Grp Cap (vph)	178	1537	2545		156	140
v/s Ratio Prot	c0.00	c0.33	0.22		c0.03	
v/s Ratio Perm	0.00					0.00
v/c Ratio	0.01	0.80	0.46		0.40	0.02
Uniform Delay, d1	16.5	20.8	14.0		34.8	33.7
Progression Factor	0.74	0.57	0.06		1.00	1.00
Incremental Delay, d2	0.0	3.0	0.6		1.7	0.0
Delay (s)	12.1	14.9	1.3		36.5	33.8
Level of Service	B	B	A		D	C
Approach Delay (s)		14.9	1.3		35.6	
Approach LOS		B	A		D	

Intersection Summary			
HCM 2000 Control Delay	9.3	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.55		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	48.1%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1141	8	42	1075	5	58
Future Volume (vph)	1141	8	42	1075	5	58
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	12	12	11	12	12	12
Total Lost time (s)	7.9		7.9	7.9	6.1	6.1
Lane Util. Factor	0.95		1.00	0.91	1.00	1.00
Frt	1.00		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3758		1818	5406	1900	1700
Flt Permitted	1.00		0.12	1.00	0.95	1.00
Satd. Flow (perm)	3758		220	5406	1900	1700
Peak-hour factor, PHF	0.95	0.95	0.94	0.94	0.79	0.79
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1225	9	46	1166	6	75
RTOR Reduction (vph)	1	0	0	0	0	69
Lane Group Flow (vph)	1233	0	46	1166	6	6
Heavy Vehicles (%)	1%	1%	1%	1%	0%	0%
Turn Type	NA		pm+pt	NA	Prot	Perm
Protected Phases	6		5	2	8	
Permitted Phases			2			8
Actuated Green, G (s)	32.7		44.9	38.2	6.0	6.0
Effective Green, g (s)	32.7		44.9	38.2	6.0	6.0
Actuated g/C Ratio	0.41		0.56	0.48	0.08	0.08
Clearance Time (s)	7.9		7.9	7.9	6.1	6.1
Vehicle Extension (s)	0.2		3.0	0.2	3.0	3.0
Lane Grp Cap (vph)	1536		257	2581	142	127
v/s Ratio Prot	c0.33		c0.01	0.22	0.00	
v/s Ratio Perm			0.09			c0.00
v/c Ratio	0.80		0.18	0.45	0.04	0.04
Uniform Delay, d1	20.8		20.3	13.9	34.3	34.3
Progression Factor	0.15		1.04	1.20	1.00	1.00
Incremental Delay, d2	3.7		0.3	0.5	0.1	0.1
Delay (s)	6.8		21.4	17.2	34.5	34.5
Level of Service	A		C	B	C	C
Approach Delay (s)	6.8			17.3	34.5	
Approach LOS	A			B	C	

Intersection Summary			
HCM 2000 Control Delay	12.7	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.53		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	51.3%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Future Volume (vph)	0	897	302	0	791	0	0	0	0	266	0	326
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3637	1627		3673					1818		1627
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3637	1627		3673					1818		1627
Peak-hour factor, PHF	0.95	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.89	0.89	0.89
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	963	324	0	877	0	0	0	0	305	0	374
RTOR Reduction (vph)	0	0	139	0	0	0	0	0	0	0	0	105
Lane Group Flow (vph)	0	963	185	0	877	0	0	0	0	305	0	269
Heavy Vehicles (%)	1%	1%	1%	0%	0%	0%	0%	0%	0%	1%	1%	1%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2082	931		2102					499		447
v/s Ratio Prot		c0.26			0.24					c0.17		
v/s Ratio Perm			0.11									0.17
v/c Ratio		0.46	0.20		0.42					0.61		0.60
Uniform Delay, d1		9.9	8.3		9.6					25.3		25.2
Progression Factor		1.63	6.34		0.72					1.00		1.00
Incremental Delay, d2		0.6	0.4		0.6					5.5		5.9
Delay (s)		16.8	52.7		7.5					30.8		31.1
Level of Service		B	D		A					C		C
Approach Delay (s)		25.8			7.5			0.0			30.9	
Approach LOS		C			A			A			C	

Intersection Summary				
HCM 2000 Control Delay	21.4	HCM 2000 Level of Service	C	
HCM 2000 Volume to Capacity ratio	0.51			
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2	
Intersection Capacity Utilization	67.9%	ICU Level of Service	C	
Analysis Period (min)	15			

c Critical Lane Group

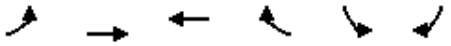
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1163	0	0	591	200	100
Future Volume (vph)	1163	0	0	591	200	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3762			5406	3641	1532
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3762			5406	3641	1532
Peak-hour factor, PHF	0.95	0.95	0.92	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1249	0	0	655	222	111
RTOR Reduction (vph)	0	0	0	0	5	50
Lane Group Flow (vph)	1249	0	0	655	228	50
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	53.0			53.0	10.5	10.5
Effective Green, g (s)	53.0			53.0	10.5	10.5
Actuated g/C Ratio	0.66			0.66	0.13	0.13
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2492			3581	477	201
v/s Ratio Prot	c0.33			0.12	c0.06	
v/s Ratio Perm						0.03
v/c Ratio	0.50			0.18	0.48	0.25
Uniform Delay, d1	6.8			5.2	32.2	31.2
Progression Factor	0.26			1.00	1.00	1.00
Incremental Delay, d2	0.6			0.1	0.8	0.6
Delay (s)	2.4			5.3	33.0	31.8
Level of Service	A			A	C	C
Approach Delay (s)	2.4			5.3	32.6	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	7.8	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.50		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	51.4%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	128	617	48	308	550	378	87	448	397	326	505	127
Future Volume (vph)	128	617	48	308	550	378	87	448	397	326	505	127
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12	11	12	12	11	12	12
Total Lost time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Frt	1.00	0.99		1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00
Satd. Flow (prot)	1837	3758		1837	3800	1700	1837	3800	1700	1837	3800	1700
Flt Permitted	0.26	1.00		0.19	1.00	1.00	0.32	1.00	1.00	0.35	1.00	1.00
Satd. Flow (perm)	499	3758		375	3800	1700	626	3800	1700	679	3800	1700
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	137	662	52	331	591	406	93	481	426	350	542	136
RTOR Reduction (vph)	0	6	0	0	0	313	0	0	246	0	0	102
Lane Group Flow (vph)	137	708	0	331	591	93	93	481	180	350	542	34
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type	D.P+P	NA		D.P+P	NA	Perm	D.P+P	NA	Perm	D.P+P	NA	Perm
Protected Phases	1	6		5	2		3	8		7	4	
Permitted Phases	2			6		2	4		8	8		4
Actuated Green, G (s)	31.3	20.6		31.3	20.6	20.6	33.5	19.7	19.7	33.5	22.7	22.7
Effective Green, g (s)	31.3	20.6		31.3	20.6	20.6	33.5	19.7	19.7	33.5	22.7	22.7
Actuated g/C Ratio	0.35	0.23		0.35	0.23	0.23	0.37	0.22	0.22	0.37	0.25	0.25
Clearance Time (s)	6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vehicle Extension (s)	3.0	0.2		3.0	0.2	0.2	3.0	0.2	0.2	3.0	0.2	0.2
Lane Grp Cap (vph)	332	860		304	869	389	378	831	372	430	958	428
v/s Ratio Prot	0.05	0.19		c0.13	0.16		0.03	0.13		c0.12	0.14	
v/s Ratio Perm	0.09			c0.25		0.05	0.06		0.11	c0.18		0.02
v/c Ratio	0.41	0.82		1.09	0.68	0.24	0.25	0.58	0.48	0.81	0.57	0.08
Uniform Delay, d1	29.5	33.0		34.4	31.7	28.3	24.6	31.4	30.7	28.1	29.4	25.7
Progression Factor	1.00	1.00		0.64	0.83	1.11	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.8	8.8		75.5	4.0	1.3	0.3	2.9	4.4	11.2	2.4	0.4
Delay (s)	30.4	41.7		97.5	30.3	32.9	24.9	34.4	35.2	39.3	31.8	26.0
Level of Service	C	D		F	C	C	C	C	D	D	C	C
Approach Delay (s)		39.9			47.9			33.8			33.6	
Approach LOS		D			D			C			C	

Intersection Summary			
HCM 2000 Control Delay	39.4	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.95		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	25.2
Intersection Capacity Utilization	85.0%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



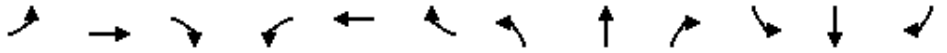
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	8	1449	1249	135	74	29
Future Volume (vph)	8	1449	1249	135	74	29
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	11	12	12	11	12	12
Total Lost time (s)	7.9	7.9	7.9		6.1	6.1
Lane Util. Factor	1.00	0.95	0.91		1.00	1.00
Frt	1.00	1.00	0.99		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1837	3800	5380		1900	1700
Flt Permitted	0.12	1.00	1.00		0.95	1.00
Satd. Flow (perm)	234	3800	5380		1900	1700
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.88	0.88
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	9	1556	1341	145	86	34
RTOR Reduction (vph)	0	0	12	0	0	31
Lane Group Flow (vph)	9	1556	1474	0	86	3
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Turn Type	pm+pt	NA	NA		Prot	Perm
Protected Phases	1	6	2		4	
Permitted Phases	6					4
Actuated Green, G (s)	40.6	39.4	47.6		7.1	7.1
Effective Green, g (s)	40.6	39.4	47.6		7.1	7.1
Actuated g/C Ratio	0.45	0.44	0.53		0.08	0.08
Clearance Time (s)	7.9	7.9	7.9		6.1	6.1
Vehicle Extension (s)	3.0	0.2	0.2		3.0	3.0
Lane Grp Cap (vph)	126	1663	2845		149	134
v/s Ratio Prot	c0.00	c0.41	c0.27		c0.05	
v/s Ratio Perm	0.03					0.00
v/c Ratio	0.07	0.94	0.52		0.58	0.02
Uniform Delay, d1	20.5	24.1	13.8		40.0	38.2
Progression Factor	0.65	0.54	0.05		1.00	1.00
Incremental Delay, d2	0.2	8.5	0.6		5.3	0.1
Delay (s)	13.6	21.5	1.4		45.3	38.3
Level of Service	B	C	A		D	D
Approach Delay (s)		21.5	1.4		43.3	
Approach LOS		C	A		D	

Intersection Summary			
HCM 2000 Control Delay	12.9	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.68		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	56.3%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1458	4	61	1376	8	82
Future Volume (vph)	1458	4	61	1376	8	82
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Lane Width	12	12	11	12	12	12
Total Lost time (s)	7.9		7.9	7.9	6.1	6.1
Lane Util. Factor	0.95		1.00	0.91	1.00	1.00
Frt	1.00		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3799		1837	5460	1900	1700
Flt Permitted	1.00		0.08	1.00	0.95	1.00
Satd. Flow (perm)	3799		163	5460	1900	1700
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.75	0.75
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1565	4	65	1477	11	112
RTOR Reduction (vph)	0	0	0	0	0	104
Lane Group Flow (vph)	1569	0	65	1477	11	8
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Turn Type	NA		pm+pt	NA	Prot	Perm
Protected Phases	6		5	2	8	
Permitted Phases			2			8
Actuated Green, G (s)	39.4		56.7	47.6	6.1	6.1
Effective Green, g (s)	39.4		56.7	47.6	6.1	6.1
Actuated g/C Ratio	0.44		0.63	0.53	0.07	0.07
Clearance Time (s)	7.9		7.9	7.9	6.1	6.1
Vehicle Extension (s)	0.2		3.0	0.2	3.0	3.0
Lane Grp Cap (vph)	1663		277	2887	128	115
v/s Ratio Prot	c0.41		c0.02	c0.27	c0.01	
v/s Ratio Perm			0.12			0.00
v/c Ratio	0.94		0.23	0.51	0.09	0.07
Uniform Delay, d1	24.2		28.9	13.7	39.3	39.3
Progression Factor	0.15		1.00	1.00	1.00	1.00
Incremental Delay, d2	9.0		0.4	0.7	0.3	0.2
Delay (s)	12.7		29.3	14.3	39.6	39.5
Level of Service	B		C	B	D	D
Approach Delay (s)	12.7			15.0	39.5	
Approach LOS	B			B	D	

Intersection Summary			
HCM 2000 Control Delay	14.8	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	28.0
Intersection Capacity Utilization	66.6%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Future Volume (vph)	0	1092	448	0	950	0	0	0	0	299	0	487
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Lane Width	12	11	11	12	11	11	12	12	12	11	12	11
Total Lost time (s)		6.0	6.0		6.0					6.2		6.2
Lane Util. Factor		0.95	1.00		0.95					1.00		1.00
Frt		1.00	0.85		1.00					1.00		0.85
Flt Protected		1.00	1.00		1.00					0.95		1.00
Satd. Flow (prot)		3673	1643		3673					1837		1643
Flt Permitted		1.00	1.00		1.00					0.95		1.00
Satd. Flow (perm)		3673	1643		3673					1837		1643
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.92	0.92	0.92	0.89	0.89	0.89
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	0	1185	486	0	1031	0	0	0	0	343	0	558
RTOR Reduction (vph)	0	0	208	0	0	0	0	0	0	0	0	73
Lane Group Flow (vph)	0	1185	278	0	1031	0	0	0	0	343	0	486
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type		NA	Perm		NA					Prot		Perm
Protected Phases		2			2					4		
Permitted Phases			2									4
Actuated Green, G (s)		45.8	45.8		45.8					22.0		22.0
Effective Green, g (s)		45.8	45.8		45.8					22.0		22.0
Actuated g/C Ratio		0.57	0.57		0.57					0.28		0.28
Clearance Time (s)		6.0	6.0		6.0					6.2		6.2
Lane Grp Cap (vph)		2102	940		2102					505		451
v/s Ratio Prot		c0.32			0.28					0.19		
v/s Ratio Perm			0.17									c0.30
v/c Ratio		0.56	0.30		0.49					0.68		1.08
Uniform Delay, d1		10.8	8.8		10.2					25.9		29.0
Progression Factor		1.00	1.00		0.80					1.00		1.00
Incremental Delay, d2		1.1	0.8		0.8					7.2		64.4
Delay (s)		11.9	9.6		8.9					33.0		93.4
Level of Service		B	A		A					C		F
Approach Delay (s)		11.2			8.9			0.0			70.4	
Approach LOS		B			A			A			E	

Intersection Summary			
HCM 2000 Control Delay	25.4	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.73		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	12.2
Intersection Capacity Utilization	77.6%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	1391	0	0	700	250	100
Future Volume (vph)	1391	0	0	700	250	100
Ideal Flow (vphpl)	2000	2000	2000	2000	2000	2000
Total Lost time (s)	6.4			6.4	10.1	10.1
Lane Util. Factor	0.95			0.91	0.97	0.91
Frt	1.00			1.00	0.99	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	3800			5460	3681	1547
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	3800			5460	3681	1547
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	1509	0	0	760	277	111
RTOR Reduction (vph)	0	0	0	0	5	7
Lane Group Flow (vph)	1509	0	0	760	283	93
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			2	4	
Permitted Phases						4
Actuated Green, G (s)	51.8			51.8	11.7	11.7
Effective Green, g (s)	51.8			51.8	11.7	11.7
Actuated g/C Ratio	0.65			0.65	0.15	0.15
Clearance Time (s)	6.4			6.4	10.1	10.1
Vehicle Extension (s)	0.2			0.2	3.0	3.0
Lane Grp Cap (vph)	2460			3535	538	226
v/s Ratio Prot	c0.40			0.14	c0.08	
v/s Ratio Perm						0.06
v/c Ratio	0.61			0.21	0.53	0.41
Uniform Delay, d1	8.2			5.8	31.6	31.0
Progression Factor	0.61			1.00	1.00	1.00
Incremental Delay, d2	0.9			0.1	0.9	1.2
Delay (s)	6.0			5.9	32.5	32.2
Level of Service	A			A	C	C
Approach Delay (s)	6.0			5.9	32.4	
Approach LOS	A			A	C	

Intersection Summary			
HCM 2000 Control Delay	9.8	HCM 2000 Level of Service	A
HCM 2000 Volume to Capacity ratio	0.60		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	16.5
Intersection Capacity Utilization	58.9%	ICU Level of Service	B
Analysis Period (min)	15		

c Critical Lane Group

ATTACHMENT C – PREFERRED ALTERNATIVE CONCEPT DESIGN

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UNAPPROVED MINUTES

MINUTES OF THE 1,234th PUBLIC HEARINGS AND REGULAR MEETING HELD BY THE CITY PLANNING COMMISSION OF THE CITY OF LIVONIA

On Tuesday, August 19, 2025, the City Planning Commission of the City of Livonia held its 1,234th Public Hearing and Regular Meetings in the Livonia City Hall, 33000 Civic Center Drive, Livonia, Michigan.

Mr. Ian Wilshaw, Chairman, called the meeting to order at 7 p.m.

Members present:	Patrick Droze	David Bongero	Sam Caramagno
	Glen Long	Peter Ventura	Ian Wilshaw

Members absent: Wafa Dinaro

Mr. Jacob Uhazie, Planning Director, and Stephanie Reece, Program Supervisor, were also present.

Chairman Wilshaw informed the audience that if a petition on tonight's agenda involves a rezoning request, this Commission makes a recommendation to the City Council who, in turn, will hold its own public hearing and make the final determination as to whether a petition is approved or denied. The Planning Commission holds the only public hearing on a request for preliminary plat and/or vacating petition. The Commission's recommendation is forwarded to the City Council for the final determination as to whether a plat is accepted or rejected. If a petition requesting a waiver of use or site plan approval is denied tonight, the petitioner has ten days in which to appeal the decision, in writing, to the City Council. Resolutions adopted by the City Planning Commission become effective seven (7) days after the date of adoption. The Planning Commission and the professional staff have reviewed each of these petitions upon their filing. The staff has furnished the Commission with both approving and denying resolutions, which the Commission may, or may not, use depending on the outcome of the proceedings tonight.

ITEM #1 PETITION 2025-07-02-15 Clean Express Car Wash

Mr. Caramagno, Secretary, announced the first item on the agenda, Petition 2025-07-02-15 submitted by Mannik & Smith Group, on behalf of Clean Express Car Wash, requesting waiver use approval under Sections 3.11 and Section 6.07 of the Livonia Zoning Ordinance, as amended, to operate an Auto-Wash Establishment, at 38888 Six Mile Road, located at the N.E. corner of Fox Drive and Six Mile Road in the S.W. ¼ of Section 7.

Mr. Wilshaw: Mr. Ventura.

Mr. Ventura: My company represents the owner of this land, but not the petitioner. But for that reason, I'm going to recuse myself from the proceedings this evening.

Mr. Wilshaw: Okay, we'll let you step away from the dais. Thank you, Mr. Ventura.

Mr. Wilshaw: Now we'll go to Mr. Uhazie for background information on this petition.

Mr. Uhazie: Thank you, Mr. Chairman, good evening. This is a request to operate an auto wash establishment located on the northeast corner of Fox Drive and Six Mile Road. The petition parcel is L shaped with approximately 207 feet of frontage on Six Mile Road and 311 feet along Fox Drive. The site is the former Buca de Beppo restaurant, which is currently vacant. The parcel size is 1.61 acres. The existing zoning of the subject site is C-2. Adjacent properties are zoned, RUF to the east, which is the cemetery with the parking in front, zoned P. To the north and west is C-1 as part of the Assisted Living Center, and across Six Mile is commercial, zoned C-4. Operating auto wash establishments are allowed as waiver-use under Section 6.07 of the zoning ordinance. Auto wash establishments cannot be located nearer than 150 feet, as measured from any point on the property to any point of a church, public or parochial school or playground. There are neither of those within 150 feet of this property. The proposal includes removing the existing building, including the basement foundation and utilities. The existing Six Mile Road driveway would be removed and moved from the southwest corner to the southeast corner of the property, and a second drive is shown in the northwest corner to access Fox Drive. A new 14,229 square foot auto wash building that measures 23 feet in height at its tallest and about 17 1/2 feet along the rest of the building would be constructed. The proposed building's dimensions would measure 93 feet by 153 feet. The building location will meet both the 15-foot and eight-foot minimum setback requirements. Section 6.07 requires that a building be situated no closer than 35 feet on one side of the property and eight feet to the other. The building will be approximately 60 feet from the west property line and approximately 45 feet from the east property line. The building complies with all minimum required setback regulations. Plans

show three service lanes providing access to the car wash. The lanes commence along the east side of the property maneuvering in a northerly direction and then looping back south to the entrance on the north side of the building. The plan shows stacking for 21 vehicles. Each lane would have a pay station adjacent to the east side of the building, just before turning and entering into the building. Beyond the pay stations, the service lanes tapered to a single 12-foot drive aisle to manage vehicles as they enter the facility. A 12-foot bypass lane is provided after the pay stations, allowing vehicles to exit the site via 24-foot drive onto Fox drive. Vehicles will exit the car wash at the south end of the building and can either turn left to exit the site or make a right onto the two way drive. This would provide access to 13 outdoor parking spaces, nine of which would have proposed outdoor vacuums. There is a second 20-foot entrance to the building on the south end. This allows access to 14 indoor vacuum spaces. There's also a drive to the east that connects to the Trinity House theater. The site plan shows single striped parking. The zoning ordinance requires at least 20 spaces for auto wash establishments. The site plan shows 13 outdoor parking stalls located on the eastern side of the building, and the floor plan shows an additional 14 parking spaces with vacuums, which are located within the building. There is a dumpster enclosure shown in the northwest corner of the building. Details of the enclosed closure are not provided. A single dumpster would need to be consistent with the city's policy of requiring durable, long, lasting, solid panel material and enclosed on three sides by masonry walls that would be at least six feet in height. Additional details are required to determine compliance with the city's sign regulations. The maximum height for a monument sign in the C-2 business district is six feet. The maximum area for a sign in the C-2 business district is 30 square feet. According to section 11.04, no sign shall be permitted at any location that creates any type of safety hazard or visual impairment to pedestrian or vehicular traffic. The submitted floor plan shows three separate portions of the building. There is the car wash bay area, the indoor vacuum section, and then the office, bathrooms and equipment rooms. Elevations show the building with quick brick finish, there would be light finish along the top three quarters, and a dark finish across the bottom quarter. Fiber cement with horizontal siding for the wall with the car wash logo over here. They also have some renderings that will be shown here in a second. The landscape plan shows 37 frontage trees, 30 which are evergreens and seven that are deciduous. There are eight existing trees remaining in the parking lot, and there will be

evergreen and deciduous screening plants along Fox drive. No changes would be provided to the eastern property line. Along the C-2 to RUF, there is an existing wall and fencing. There are eight existing trees along the west property line, the C-2 to C-1 border. The required amount of green belt buffering along the west property line is 10 trees. The site plan provides three more trees along the west property line, satisfying the requirement. The south property line trees are already provided as the south property line is in the Six Mile Road frontage, five trees are required. Seven of the frontage trees are provided, satisfying the requirement. There will be stone mulch planting beds, as well as lawn area with sod. The photometric plan submitted for the site shows foot light candles at or below 0.5. at the property line with adjacent properties. Two existing light poles are scheduled to remain on the property. Three proposed 18-foot lighting fixtures are shown. There is another fixture over the west side of the parking lot. The double lighting fixture is over the 12 foot drive north of the building, providing illumination to the exit of the indoor vacuums and the entrance to the car wash. The average illumination levels on the car wash property appear consistent with the pre-existing ones. As I mentioned, here are some of the renderings that have been provided since our study session. As you can see, there's the light coloring along the top three quarters and then the dark finish along the bottom. The petitioner also submitted a stormwater management plan that shows underground water storage in the southwest corner of the property by Six Mile drive. As part of the petition, they have worked with neighboring property owners, and in the past, there was a traffic study done. The petitioner did submit an example of what was provided from that traffic study, showing a proposed signal layout that they were working with the county to get approval on showing how traffic would be managed at the site. I addition to that, we they also provided a draft letter showing to the neighbors to secure access to Fox Drive. And they're reviewing their ability to shut off the interior lighting after hours. That was shown to be a concern at our study session as well. And that with that, Mr. Chairman, I have some correspondence

Mr. Wilshaw: Sure, if you'd like to read out the correspondence

Mr. Uhazie: The first item is from the Engineering Division, dated July 23, 2025, which reads as follows: *"In accordance with your request, the Engineering Division has reviewed the above referenced petition. We have no objections to the proposed waiver use at this time, but would like to note the following items: 1. The*

subject parcel is assigned the address of #38888 Six Mile Road. Should additional addresses be needed, the Owner will need to contact this Department once approvals have been obtained. 2. The existing parcel is currently serviced by public sanitary sewer, storm sewer and water main. Based on the submitted drawings, we have the following comments: i) Sanitary Sewer: The drawings do not include a basis of design for the proposed sanitary sewer outlet, but we do not believe the change in use will negatively impact the existing system. The developer will be required to clean and televise the existing sanitary sewer lead if it is to be re-used. If the condition is not sufficient for re-use, a new service will need to be installed to the parcel. ii) Water Main: The drawings do not indicate that the existing water service will be re-used for the proposed business, but if that is the intention, the owner will need to determine if the existing service is correctly sized for the proposed use. iii) Storm Sewer: The drawings do not indicate any storm sewer information. Storm sewer design and detention will be required per the Wayne County Storm Water Ordinance. This department will do a full review of the proposed improvements when drawings are submitted for permitting. 3.. Any improvements within the Six Mile Road right-of-way will require approval and permitting from the Wayne County Department of Public Service. Turning movements onto Six Mile Road from the site may be restricted based on comments from Wayne County traffic reviews. 4. We would recommend that the proposed business be required to place sidewalk along the west side of the property (along the Fox Drive frontage) to facilitate pedestrian traffic into the existing (and proposed) businesses through that corridor." The letter is signed by David W. Lear, P.E., Assistant City Engineer. The next letter is from the Livonia Fire & Rescue Division, dated August 6, 2025, which reads as follows: "*This office has reviewed the site plan submitted in connection with a request to construct a commercial building on property located at the above referenced address. We have no objections to this proposal. A further detailed plan review will take place when this division receives an official plan set.*" The letter is signed by Brian Kukla, Fire Marshal. The next letter is from the Division of Police, dated July 25, 2025, which reads as follows: *"I have reviewed the plans in connection with the petition. I have no objections to the proposal*." The letter is signed by Paul Walters, Sergeant, Traffic Bureau. The next letter is from the Inspection Department, dated July 31, 2025, which reads as follows: *"Pursuant to your request, the above-referenced Petition has been reviewed. 1. Signage shall conform to the city's sign ordinance, or a variance from the Zoning Board of Appeals*

would be required. 2. An enclosure of sufficient height to completely screen the dumpster is required on three (3) sides of the waste receptacle, with a solid gate on the fourth side. The height of the enclosure must be not less than six (6) feet or at least one (1) foot above the height of the dumpster, whichever is greater. The enclosure gates shall be of solid panel steel construction or durable, long-lasting solid panel fiberglass and, when not in use, closed at all times. The enclosure must be constructed of the same or compatible material and colors as the principal building in terms of texture and quality. This Department has no further objections to this Petition" The letter is signed by Jerome Hanna, Director of Inspection. The next letter is from the Treasurer's Department, dated July 23, 2025, which reads as follows: *"All taxes have been paid on this property*" The letter is signed by Susie Nash, Treasurer. We also did receive a number of public comments that have been provided to you for review ahead of time to be considered.

Mr. Wilshaw: We did receive many emails regarding this petition, so instead of reading those all out individually, just note that they are part of our record, and we have had a chance to review them. So, thank you. Is there any questions for the planning staff from any of the commissioners?

Mr. Bongero: So, there's no new traffic study done?

Mr. Uhazie: No. They provided one that was done, I believe in 2023.

Mr. Bongero: That was done by Schoolcraft College?

Mr. Uhazie: I don't know in what capacity, but yeah, they were the one that's provided it.

Mr. Bongero: Okay, they are going to put a new traffic light in?

Mr. Uhazie: I believe there are talks with Wayne County, but that would probably be better question for the petitioner to see where that is actually at in the process.

Mr. Bongero: Okay, thank you.

Mr. Wilshaw: Thank you. Mr. Bongero, any other questions for staff?

Mr. Droze: Thank you, Mr. Chair. Mr. Uhazie, there were several renderings included in the packet, and I guess a couple of them appeared to differ from the site plan. Are those provided as

more of a reference for some of the, you know, the material choices, or, I guess, particularly the differences between the elevation and, I believe design, the architectural site plan and then the rendering?

Mr. Uhazie: So I believe they were as examples more for the covering to give the elevations where the what the petitioner was using, and then the renderings were more for the color palettes.

Mr. Droze: Okay.

Mr. Wilshaw: Thank you. Mr. Droze. Any other questions for staff? Mr. Uhazie, just one question. You mentioned the agreement between this petitioner and the neighbor who owns this strip of property along Fox Drive to get cross access to that road. Is that agreement in place? Or is that just proposed at this time?

Mr. Uhazie: I believe it has been sent to the neighbor, as far as I know, but I do not know the status since then.

Mr. Wilshaw: Okay.

Mr. Uhazie: They seemed confident that it would be something that they could come to work together on, but I've not seen anything that's been finally signed.

Mr. Wilshaw: Okay, all right, thank you. I appreciate you clarifying that for me. If there's no other questions for staff, then the petitioner is in our audience. Feel free to come forward to our podium. I'll ask that you start with your name and address for our record. Good evening.

My name is Jacob Rilett, Mannick Smith Group or the design engineer on this project. Thanks for your presentation, Jacob. I mean, they covered most of the basics of the site plan itself. Little background on Express wash. It's about 125 locations throughout the Midwest, starting in Ohio. They're moving gradually north into Michigan. This will be the third Livonia site that we've done. So you guys are a little familiar with what we do. They're really proud of themselves on, you know, the visual look of their sites, the over exceeding the requirements on landscaping and really working with neighbors and helping improve the whole area, not just their own site. There's a pretty advanced water reclamation system that recycles about 80% of the water used from each wash, so it really minimizes the impact on utilities and all those related things. As far as

stacking, we don't have any concerns about the ability of this site to spilling out into the road or impacting that with backups or anything along those lines. They're capable of cycling through about 100 cars an hour, if need be. So the long backups that you see on some other car wash models just don't happen on this because of the more advanced blower technology. They don't need hand dryers out at the end, slowing things down. It's 90 seconds you're in and you're out. The vacuums are free to the public and open at all times. Well, open during business hours, but that's just a free amenity that's added with the service. As far as the traffic signal proposed, that's something that's been in the works for as I understand it, about two years. Schoolcraft College and HRC have been working on that with the county. The main reason to my knowledge, that it hasn't happened yet is because the existing curb cut of the Buca to pepper site is on the southwest corner, which would really make the signal unviable. And then by going forward with the layout that we provide here, it allows that curb cut on Six Mile to move over to the southeast corner of the site and really allows that traffic signal to go into place. And we believe that it's going to really offset a lot of the traffic concerns that might be had about a car wash coming in here, because car washes are an automated heavy use. As far as a new traffic study, I mean, we didn't have time since the study meeting last week to get a full new traffic study done for this site, but I can provide you some useful numbers and sell you the ITE manual for traffic. For a car wash site, it recommends that you use about 70 trips generated for a peak hour traffic. So that's your peak hour, your most vehicles you're ever going to see is about 70. But for a car wash site, they recommend about a 75% factor of that to be passed by traffic. Car washes are an impulse purchase that you get when you're already out. People aren't leaving their houses to go get a car wash and go back home. So that impact that you're going to see of new trips generated by this site is really only 17-18, at the peak hours of business. And we believe, you know, with the traffic signal going in there, that's going to be an improvement upon the existing condition, and it's going to finally allow for that left turn off of Fox drive on to Six Mile, so we believe that the traffic impact is going to be improved from the current state.

Mr. Wilshaw: Okay, anything else you'd like to tell us about the business and the layout of this business, I think you mentioned that you have sort of a unique design in the sense of compared to the other ones that we've seen in the city with indoor vacuum model.

Mr. Rilett: Yes, the indoor vaccum building is a sort of new prototype concept that they've been working for. We've got three or four sites in development with this, but especially in Michigan, you know, with our lovely winters, you don't want to be outside vacuuming your cars walking around in the freezing cold. This allows for an indoor vacuum bay. After you've gone through the car wash, you are free to, at any point to come into the sort of a hanger bay here and use the vacuums inside. It's heated. The floors are all heated, so you won't have any freezing issues, anything like that. And it's really more of a luxury model of a car wash. It's kind of like the crown jewel of what you would ask for a car wash to be and it kind of is a good…a common concern we see with cities, with these new sites we bring in, is everybody says there's so many car washes. Why do we need more generally, the thought processes, so Express's 120 sites, mostly in Columbus, Detroit area is just underserved as far as car washes. The number of washes per vehicle in this area is significantly lower than you would see in Columbus, and they believe it's kind of created by, you know, when you have these subscription model washes somebody that maybe only washed their car once a month. They come, they like it, they get a subscription. All of a sudden, they're doing it two, three times a week. You can really increase the demand by having these nice systems. The subscription at this location is good at any of our other locations as well. So, people really they'll put these, you know, only a mile away from each other back in Columbus, and they don't see an impact on a loss on the business. They really do support themselves.

Mr. Wilshaw: Okay, is there anything else you'd like to tell us before we get some questions for you?

Mr. Rilett: Fire away.

Mr. Wilshaw: All right, let's see if there's some questions. Any commissioners with questions for the petitioner?

Mr. Droze: Mr. Rilett, at our study session, we talked briefly about some of the adjacent property owners, and I think coordination with them is, you know, seems like that would be an important item for this. Sounds like the Fox Drive is well underway with getting an easement and that access, which I think will help with traffic, but to the property to the east, I think at our initial rapid response meeting several months ago, we talked about how, although it's maybe not documented, it seems like there was some kind of reciprocal parking agreement written down, or maybe not, with

the Trinity house to the east. Has there been any discussion between the property owners about if there's an option for providing some that parking? Because right now, it's, I think it's about 127 spaces. And you know, I think you're taking it down to 13, with multiples being vacuum sites. So, has there been any discussion with the adjacent property owner about how that might be accommodated?

Mr. Rilett: I believe Express has reached out to them. We did dig through sort of the titles and easements, and there's a cross access agreement in place, but there's no written formal shared parking agreement. I know, speaking with the Express representatives, they've got no issue with any of these spaces being used after business hours. We close at 8pm every night. I don't know what time most of their shows are at, but I know they have reached out, or intend to, at least, to them to come up with some sort of formal agreement as far as sharing any of our, you know, we have a lot of open spaces along there. I don't think we'd be able to keep the indoor vacuum bay open all night, but I don't think Express has any issue sharing those outside spaces after business hours.

Mr. Droze: Okay, and then I guess expanding on that, there is a fair amount of open space on the north side of the property. Would that be some sort of arrangement that would be possible to maybe repurpose that for cross access parking, because, really, I mean, they're located between the daycare center and the cemetery, which certainly the later will not be able to move. I guess, if there's any opportunity, is that something that's on the table?

Mr. Rilett: Essentially, so the northern portion of this property had been hauled off in the design, in case the property owner to the north wanted to expand his own parking lot is part of the agreement to get that Fox Drive access. It doesn't seem like that is one of his requests at this time. So there's a chance we could provide extra parking up there. I don't know that would be something that I would have to discuss with Express ownership if we were to create extra parking just for someone else to use, it's…I can't say, I promise you that for them so, but as of right now, that's the reason that north area has been withheld, is just in case it was needed as part of negotiation for the Fox Drive access, because that was a major priority for the traffic signal as well.

Mr. Droze: Okay, and I guess I have one question on the traffic study itself. So, it looks like it was done roughly 2022 2023 is that reflective

of current traffic volumes. I know we had kind of a dip in traffic after COVID, and that rebounded. Is that, I guess, are the findings of that study still valid. And, you know, with obviously, the restaurant has been deducted, but now we're adding this back in, I guess, maybe talk to the validity of the study, and if there could be any additional work needed, what that might look like.

Mr. Rilett: So, we have a traffic engineer from HRC that I believe, worked on the traffic study here, and she could probably speak to that question a lot better than I can. I'm no traffic expert.

Mr. Wilshaw: Thank you. That'd be excellent.

Leah Michaels, HRC. The traffic study you saw was something that HRC had worked with Schoolcraft College on a couple of years ago. So, I do want to make it clear that it does not have the projected traffic volumes from the car wash in there. This study was completed to look at the potential for a new traffic signal at Fox Drive and Six Mile. So, we have been working with Schoolcraft College for the past couple years, as well as some of the engineers from the city and Wayne County to try to get this traffic signal installed. One of the major reasons it hasn't yet is because of the location of the current driveway to the Buca de Pepo property. One of the stipulations from Wayne County roads is that that driveway not be there because it conflicts with some of the turning movements, specifically from Quakertown on the south side. So that's the reason the signal has not gone in yet. This is a signal that is being funded by Schoolcraft College. So, I'm here tonight just to point to if this land were to get redeveloped, we really want that driveway location to be pushed towards the east, so that Schoolcraft College and others can get the traffic signal there. So long answer to that question, but yes, it was done a couple years ago for purposes of the traffic signal.

Mr. Droze: And I guess with that…

Ms. Michaels: Sorry. So, John from Schoolcraft College wanted me to point out that a couple years ago, a signal was warranted there without any additional traffic from some of these developments that have occurred over the past couple of years.

Mr. Droze: Okay. And I guess maybe my last question on that is, if this driveway were to be moved as part of this project, is there anything holding back the signal project at that point? So, if this

gets approved, the signal could get started. Kind of where I'm looking at it is, the signal is in place before the development opens? Is that realistic?

Ms. Michaels: Yeah, so we have it fully designed. We don't have permits yet. We were kind of waiting on that because we knew a permit wouldn't be issued until the driveway was closed, so we have plans ready to go. It'd just be a matter of getting permits from the county and bidding the project.

Mr. Droze: And fundings in place?

Ms. Michaels: Yep, Schoolcraft College and their group of people have all agreed to fund it.

Mr. Droze: Okay, thank you. I'm good.

Mr. Wilshaw: Ms. Michaels, while you're up here, is there any other questions for our traffic engineer?

Mr. Bongero: Yes. Thank you for coming up tonight. So I know the study that it's two and a half years old. It could never factor in a car wash. Would you even be able to speak to…with this light you think, help manage that traffic adequately with the car wash being there, or you couldn't even answer that? You'd have to do a new study?

Ms. Michaels: It'd be tough to answer. But I do know that the putting a traffic signal at Fox drive there was room for additional traffic, because I know Schoolcraft College had some other developments kind of planned in the area that we knew this traffic signal could absorb some additional traffic in the area. I think anything from this parcel, at least having the driveway go out to Fox drive is a definite improvement. People using the fox drive and then a signal to turn on a six mile is a lot safer than I think the current driveway that's there now.

Mr. Bongero: But you couldn't,without them doing a separate study, there's just no way you could…

Ms. Michaels: Yeah, I can't speak to that. I'm sorry.

Mr. Bongero: Okay. Thank you.

Mr. Wilshaw: Thank you. Mr. Bongero, any other questions for our traffic engineer?

Mr. Long: Can you speak to the configuration of a signal, I mean, Fox drive, and then the entrance to the subdivision are not aligned. So how does that work? Is there more than one light there? And do they allow them to turn into a green? Do you know how that would work?

Ms. Michaels: Yep. So, it'd be like a split phase. So when Quaker town received a green light, it would be the only one that had a green light. So everybody exiting Quaker town, and then Fox drive would be a separate phase. So would have a green light at a separate time, and then your Six Mile traffic would go together. So, they would each have separate signals and separate phasing. And quick, I guess I should add Quakertown, and working with the City of Livonia, will be adding a northbound left turn lane, so taking out that median that's there to help improve some of the flow coming off of Quaker town onto Six Mile that was something we've been working with the city engineers on as well.

Mr. Wilshaw: Thank you. My question was actually very similar. It's just in explaining that this is essentially an offset signal, and both the traffic coming out of Fox drive and Quaker town will both be protected with a dedicated phase as they use their respective directions. Okay, that way there's no conflicts or cars hitting each other. Excellent. Okay, that's the only question I had. Is there any other questions for a traffic engineer? We're gonna let her sit back down. Everyone's good. Mr. Droze?

Mr. Droze: Maybe one more. Ms. Michaels, I guess your the engineer record for the signal. But has there been any discussion with maybe Wayne County offered it in terms of the operation of the car wash driveway. Would that Six Mile access be right in, right out, or would it permit, like a left turn out of there? Just curious.

Ms. Michaels: So, I don't know about the car wash specifically. About a year ago, when we were talking about Buca de Pepo, they were requesting that it be right in, right out.

Mr. Droze: Okay. Thank you.

Mr. Wilshaw: Thank you, Mr. Bongero: Go ahead,

Mr. Bongero: How crucial to this traffic management, in your opinion, is that additional access onto Fox Drive. You know what I am saying? That's needed, right? To pull this off. They're going to need that

if they don't, because that's not a guarantee. Yet, they don't have it. They've been talking to them, but they don't have it yet.

Ms. Michaels: For a car wash, yes, I think you definitely need a second

Mr. Bongero: They need that additional. Okay, okay. Thank you.

Mr. Wilshaw: Anyone else? All right, I think for all set, thank you. Ms. Michaels, for coming up. Any other questions for our petitioner?

Mr. Bongero: Just following up on that Fox Street access. What is the holdup of like not having a…

Mr. Rilett: So, the property owner of the north, he was at the study meeting that we had last week. I know the agreement was sent over the day after that meeting. I know it's been signed by the Express side. I don't think there's any hold up, really, at this point, it may have already been signed. Express is handling that. I'm not the engineer, but it's, I mean, we would expect that within the next week to be signed, yeah. I mean, there's been no, there's no resistance to it at this point.

Mr. Bongero: Okay. Thank you

Mr. Wilshaw: Thank you, Mr. Long.

Mr. Long: Thank you. Could you talk about the proposed traffic flow on the site and would exit traffic then…would traffic be forced to exit onto Fox Road? Because that would certainly provide…

Mr. Rilett: Tey would have choices to…so if you've got this like plan up here, I don't know if the audience can see it, but you'd enter in from either Fox or Six mile, and you'd come around the west and south side of the building. You enter into the stacking lanes along the southeast corner. Here you go up. You got three pay station kiosks. There you come around to make the U turn into the tunnel at that north east corner of the building. Come all the way through the wash tunnel. At that point, you're free to leave if you choose to, if you want to wash your car, you're able to make the U turn back into the wash bay on the west side of the building and come out the north side. Or you can use the outdoor vacuums to swing around the south end there. And at that point, it's fully a two way drive around both ends. So you can you're free to either way you come in, you're free to use either exit.

Mr. Long: I understand, and people are going to do what they do, just like people turn left on Fox. Drive right now, even though…

Mr. Rilett: But with this they would be allowed to do, right?

Mr. Long: Would the petitioner be opposed to encouraging people to exit Fox Drive and again, I guess we, we probably would want to see that driveway as a right turn only anyway,

Mr. Rilett: Yeah. I mean, if no left turn is allowed out of Six Mile, I mean that alone would encourage anybody wanting to go left, to exit Fox drive side.

Mr. Long: And then there's been discussion, and understandably, you can't speak to the to the ability of the proposed parking to the north to help the theater. But would they be able to get access to that site, or is it all gated out? Does the does the bailout lane get them back there?

Mr. Rilett: So, the bailout lanes not gated or anything. I'm not sure at night, what would happen with the kiosks, as they be able to access through there, if we were to put something up in that, that northeast sort of square that's kind of isolated from the rest of the project. But, yeah, I mean, I'm sure there'd be some sort of signage in place saying, you know, after hours, you can go through the bailout lanes here and access that area. If we were to add some sort of parking up in that section, we had also initially discussed a cross-access connection with the property the north if they were going to access that, but that, and they ended up just allowing the cut straight to Fox Drive.

Mr. Long: And then my, my last, hopefully, my last comment or question is, can you talk a little bit more about the water saving technologies that you use now compared to some of the older car washes, and speak to that.

Mr. Rilett: If you can then get to the utility plan here, it'd be a c400. I believe

Mr. Uhazie: I'll have to bring it up.

Mr. Rilett: But in the meantime, I can kind of walk you through it. So, along that underneath the pavement of the vacuum spaces on the west side of the building, you'd have your sanitary leads that lead out from the wash tunnel bay. There's a grease interceptor that captures any, you know, chemical items that get caught up

in that and then It goes through three separate water reclamation tanks that recycle as much water as they can get, about 80% per wash. So each wash uses, I believe it's 30 gallons, so almost all that ends up coming back in.

Adam Meyer, Regional Manager for Express wash. So, on the typical car wash, if you wash it at your house, you use 125 gallons. Our wash is used just over 20.

Mr. Rilett: That's after the recycle. Yep.

Mr. Long: Thank you.

Mr. Wilshaw: Thank you. Mr. Long. Any other questions for our petitioner? Mr. Droze.

Mr. Droze: Yes, the engineering letter mentioned a sidewalk along Fox drive is that within your ability, as part of the agreement to install that or that need to be on your property in a way that might affect your landscaping?

Mr. Rilett: I mean, if it's in the right of way, does Fox drive have a public right of way?

Mr. Droze: Private it looks like? But there's probably some sort of…

Mr. Rilett: That would have to be brought up with the agreement with the neighbor then, I mean, we'd have no problem doing it, but we can't promise that on his behalf. If not, yeah, I mean, we'd be willing to kick it back to our property line. It would just be quite a bit off the road at that point.

Mr. Droze: And then the last question, Jake, if you go to the A2-1 elevation…there you go. So kind of the…by my judgment, the eastern and southern facades are, I guess, a little less inviting than the Western facade. Is there any embellishments or architectural details or windows or what have you that can be added to kind of break up the you know, it's basically just brick and the siding facade. Some of the examples you shared from, I think it was a shaker Ohio rendering had a little more street front character to it. Is that something that could be added to this?

Mr. Rilett: Yeah, I mean, they're able to add sort of the facade over the top, that makes it look nice, or even clean up, sort of with, I'm an architect, to forget all the terms. But yeah, they can. They can spice things up, as far as visuals with, you know, accents on

over doorways or windows. So, a lot of that, that eastern side that you're talking about is the mechanical rooms. So, I don't know, I think they're pretty limited as far as windows is what they can put there.

Mr. Droze: Less so the east side it is more of the southern side. This is the side that people are going to see as they come into Livonia, off the expressway. For the first time. It's again, it's one of these gateway properties that, you know, prefer to have a little more character to it. The one on Plymouth Road. It's narrower, but it feels a little more, you know, with the glass, it just feels a little more consistent with that commercial corridor is this, you know, it's just a lot of brick and two garage doors. So, I guess I just offer, you know, maybe working with planning staff to explore that a little bit.

Mr. Rilett: Yeah. I mean, see that, if that was attached as a condition, I know we could accommodate something there. Yep, I don't know as far as windows, just because I'm not sure. I don't know the structural bones of the building, but I know they can, they can do some stuff with it. Yeah, okay.

Mr. Wilshaw: Is that all, Mr. Droze?

Mr. Droze: That is it.

Mr. Wilshaw: Thank you. All right. Thank you. Any other questions for the petitioner?

Mr. Caramagno: Good evening. I happen to like this rendering of the building compared to the three renderings that you brought to us at the study session. I think this is more tasteful, for sure. Is this proposal a fair rendering of what your what your what this building will look like at the end of the day?

Mr. Rilett: Yes.

Mr. Caramagno: With the enhancements Mr. Droze is talking about, okay. One of my concerns after the meeting last week was the car wash on Farmington Road, just south of Eight Mile road. I drive by there sometimes late at night, and I know we've talked about LED lighting being turned off or not visible, but all the windows that are naturally on a car wash when the lights are on, it looks absolutely terrible. And I see we've got a provision in here to turn them off, and I seen some other language in here that the

car wash will look and see what they can do about it. But to me, that's a big deal those, those green, purple, orange, red lights,

Mr. Meyer: Yeah, so this was brought to my attention on Saturday. On Monday, yesterday, I had switches installed on those lighting systems. As of tonight, it's part of the closing task for those to be shut off.

Mr. Caramagno: They'll be shut right off?

Mr. Meyer: Completely off, and no color.

Mr. Caramagno: And so no colors, they'll be white, like we've got here, or red and purple. No, we're gonna, shut them right down. Beautiful. Good, good.

Mr. Caramagno: My next question for you is, on the on the east side of the property, we talked about the parking for the neighbor, well, that's not your responsibility. They have some sort of a ability to park on the property in the past, and now I see a fence, maybe a concrete fence, on that east side along the cemetery. Are you putting a wall up there? Is that just what it looks like here?

Mr. Rilett: That's just what it looks like. No, that's the existing Yep. No, no screening changes to that side.

Mr. Caramagno: Let's go back to that for a minute. So, the cemetery fence that's all run down there. You're not putting anything up along there. Well, you're just gonna properly run right up to that cemetery fence that's dilapidated, and there'd be nothing there. Thought I saw a rendering here of a fence.

Mr. Rilett: I think there's a small brick wall and a fence, if I'm…

Mr. Uhazie: Currently, there is a brick wall and with like a iron fence above it. Yeah, there's like, a grade change right there.

Mr. Caramagno: Okay, so there's no enhancements to that side of the property?

Mr. Rilett: Not at this time, no.

Mr. Caramagno: So, if you're gonna allow some parking at the back of that property for the theater? Is there a way to pour a sidewalk on that side of the property where they're not walking through your lanes to get to a theater event?

Mr. Rilett: I think that might be contingent on what the grading in that area looks like. I haven't done a full deep dive on that yet. If there was any way to create some sort of pedestrian access path on that side? Yeah, that's something we could accommodate.

Mr. Caramagno: Of course, the problems come with it winter time. Who's going to shovel the snow, but it would…if you allowed parking in the back for them. It would allow them to walk down a sidewalk, or someone down a sidewalk, as opposed to walking through your lanes if they had an afternoon show. So, maybe something to look at. That's all I've got.

Mr. Wilshaw: All right, thank you, Mr. Caramagno. Any other questions for the petitioner. I just have a couple…the write up that we have says that there's going to be nine outdoor vacuums, and I think 14 interior ones. The renderings of course, show many more than that we've already established. I believe that the renderings are not necessarily an accurate representation.

Mr. Rilett: The renderings are just to show kind of the feel and colors of the site.

Mr. Wilshaw: Okay. So, my question is, I like the idea of indoor vacuums. That's kind of a game changer. It's new. It's different. It's also takes a lot of the noise that's generated by those and puts it interior to the interior of your building, which is not a bad thing. My question to you then is, do you need the outdoor vacuums?

Mr. Rilett: So, Express's model, they try to get to 20 on each site. And that's also, it's a nice, you know, sort of eye grabbing, almost advertisement for the fact that you have, hey, there's free vacuums here. It's a nice addition there, as well as, yeah, I mean, if you have a nice day, you don't necessarily need to do it indoors. They're able to cycle through so many cars through so quickly. So that means they do want to have enough vacuum spaces to accommodate those. And if, in case, there was a need for that many at once.

Mr. Wilshaw: Okay, because it sort of negates the benefit of having that sound moved inside, if you still have them outdoors. But, and I understand the reason why. Well, so to that point, I'm going to ask, how is the noise of the vacuums mitigated? How is that managed?

Mr. Rilett: So, actually, I have a sound study here for both the blower at the end of the tunnel and the vacuums themselves. So, the way

the vacuum system works is there's a correlator box, if you can see, that will essentially…all the noise is going to come out of that. The vacuums themselves are nearly silent. So those are located on the end of the vacuum rows, I believe on the northwest corner of the building. There, maybe southwest Yep, southwest corner. There that item number five on the southwest corner. So that's your correlator box. And we have those, usually fenced with landscaping, which does dim some of the noise. But I have a sound study here at a distance of 30 feet, you're down to 23 decibels, which is lower than the traffic volume you're going to see on Six Mile road. Anyway, I can pass these around if you want to see them. Okay, but, yeah, I mean, noise concern is relatively low, and especially when you're far away from residential like this site is.

Mr. Wilshaw: So, you're not going to have nine individual vacuum units out there just whirring away there. So, this is a different, more modern version of a vacuum. Okay, that was, that was my one concern I wanted to raise. The other thing is the exterior materials for the most part. We do have two of your locations in this city already. Is it safe to assume that as we look at those two locations that we're looking at similar building materials?

Mr. Rilett: Yes.

Mr. Wilshaw: Do you use the quick brick at these other sites as well?

Mr. Rilett: Yep.

Mr. Wilshaw: Okay, and that's a system that you've had good luck with in terms of…

Mr. Rilett: Yeah, I believe nearly all of the Express projects like that

Mr. Wilshaw: They’re all using quick brick, okay. We've had problems in the past with thin brick, you know, systems, but I know they're getting much better. And if you're if you've had experience with them, I'm going to trust that you're… they're going to be good for you, because obviously you don't want your building looking rattier.

Mr. Rilett: Oh yeah, no. I mean, there's 10-year-old buildings in the Columbus area that still look brand new.

Mr. Wilshaw: Okay, great, excellent. That's it for me, for now, is there any other questions from any of my fellow Commissioners?

Mr. Long: Just following up on the vacuums. So, did yout call it a correlator box for the outdoor one?

Mr. Rilett: Yeah.

Mr. Long: Is that the same thing? How does the indoor one work? If I go into the indoor am I going to go deaf trying to vacuum my car with it?

Mr. Rilett: They do have correlators that run those to. I believe they're located back in the mechanical room, so they're not out in the room.

Mr. Long: So they’re not out in the room. But they're in a mechanical room of the thing. Okay, all right, thank you. Just curiosity thing. Thank you.

Mr. Wilshaw: Thank you. Mr. Long. If there's no other questions from any of our commissioners, no other questions…we've covered that, I'm going to go to our audience. So, we're going to have you sit down for just a few moments. Is there anyone in our audience wishing to speak for or against this item? I'm sure there are. Feel free to come forward to one of our podiums.

Christopher Waterman, 20336 Meadowview, Livonia, MI That's at Eight Mile and I-275, and I am the board Vice President of Trinity House Theater. I've been with the board a little over 10 years. Thank you for hearing us out tonight. We're an all volunteer arts and culture nonprofit, and certainly there are some very pragmatic concerns that we have. Thank you to the Commission for bringing a few of those up tonight, specifically Mr. Droze and Mr. Caramagno, the the parking, the traffic, environmental impact, noise, but we realize that we can't necessarily choose our neighbors. We're a little nonprofit. That being said, I want you to consider that this is the place that you're looking to put a car wash next to. And I'm not, I don't think car washes are the enemy. I don't think these people are the enemy. We realize that, you know, at the end of the day, you need to work with your neighbors. But once again, this is the place that you're considering putting a car wash next to, a place built in 1850 before Livonia was even a city. A place where, in 1856 the third annual Michigan anti-slavery society held their meeting, and the abolitionist and civil rights icon Sojourner Truth was not only in attendance at that meeting, she also spoke and sang a song. This is the place that in 1981 Paul Patton and Trinity Church

members formed together to form a community theater, and for the better part of 20 years, they were a part of offering brave, truthful, necessary works of art for the community. And then over the last 25 years, we've transitioned mostly to live music, and we're known as one of the state's best listening rooms, and we seat about 78 people, so it's a very intimate setting. This is a place where this very night on a Tuesday night, middle of the week, there are approximately 12 to 15 people with guitars for an open mic night to brave the stage and people right from our very community having that opportunity in this building. Car washes aren't the enemy, however, really ask you to consider what you are putting around such a cultural gem, especially in light of things like the Livonia Built proposal not going through and you have something in Livonia that does bring culture. We realize that we're small. We realize that we're hidden, in a sense, sometimes. But we just ask you to really consider is there may be something better, more of a fit, more in concert with Trinity house as a neighbor.

Mr. Wilshaw: Thank you. Thank you for your comments. Mr. Waterman, anyone else wishing to speak on this item? I

Bill Dolunt, resident of Quakertown, 16215 Quakertown, Livonia, MI. I agree with Trinity House as well. I mean, certainly something, maybe other than a car wash. And again, to his point, I'm not against them either, but where that is, again, it just doesn't make a lot of sense to me and a lot of my neighbors who aren't here. But at any rate, that and the traffic, even though you're going to put out that light there, if you guys have seen that, it's just off I-275 and Six Mile exit. So if you actually…you can't see it there, but what is it, maybe 100 yards tops, and we're going to put a driveway even closer to that exit. So those are my concerns. I think you know, especially with Comerica go down and all of that development that could very well spawn something else as well, though, his, to his point, may be a restaurant as well, but whatever that is, I have a hard time with a car wash there. Again, it just doesn't seem to fit.

Mr. Wilshaw: Thank you. Thank you. Mr. Dolunt. Anyone else wishing to speak? There's a gentleman coming forward. Good evening, sir.

William Hurley, 16112 Penn Drive, Livonia, MI. It's kind of cool to be speaking here on this auspicious occasion, the 1,234th 1234 meeting notice. Made that joke. I'm not nearly as eloquent or cogent as the last two speakers, so this will be a bit disjointed, but please bear with me.. I first take a little bit offense to the statement that

we in the Motor City are underserved with car washes, we keep clean automobiles. I can count three within one mile of this proposed location. Seven and Haggerty, Five and Haggerty and Six and Haggerty. Excuse me, I'm not, a great public speaker. Traffic is already a great issue, and well, I do appreciate what the Schoolcraft representative was talking about. If we need that driveway, move like me, my buddies will just go do it so you can get your light without putting a car wash there. A car wash is suburban blight. I don't mean to be rude, serious. You know, Detroit is known like the land of liquor stores. It's not a great vibe. We don't need another car wash. It is esthetically unpleasing. I understand that those gentlemen, they did a great job of trying to make their car wash look good. It still looks like a car wash. I don't see any great driving economic value from it. It's not going to promote a bunch of good jobs for Livonia residents. You know, if the car wash goes in, I guess I hope this is a success. But should it not be? What the hell else are we going to put there after we got to remediate the property, another car wash, at least with the present, you know, building multiple different kind of restaurants go in there. Another business could take it over. It's got options. A car wash is a car wash, and it seems like damn forever. It's not quite a dry cleaner. But and I can appreciate the environmental safeguards that the gentleman were speaking about, it still pollutes. And then, as the gentleman from Trinity House stated, there's a beautiful little cemetery right there. Let's not pollute that. Sorry, I was writing down a lot, as you guys were speaking, I just find it disingenuous to discuss a traffic study saying that a car wash won't increase traffic. I'm sorry I only just learned about this meeting. I would have gotten my own traffic study done. Okay? By its very nature. It needs more traffic to be successful. And then the young lady from Schoolcraft was discussing that when they did their study, that Schoolcraft had expected some developments of its own that it could take on the traffic of Well, I mean, that study doesn't seem to hold any water anymore. If Schoolcraft expected to take on that extra traffic, or assume that extra traffic at this light, which, again, me and my buddies will put in, if you keep out the car wash., If you're going to put the car wash there, this traffic study, I mean, I haven't read it, I'll be honest, doesn't seem to hold much water. I can appreciate the discussion about the noise. I walk my dog past that daily, it would be scared of this car wash. Have you ever driven past a car wash with your windows on and not heard it? I can appreciate the decibel counts quoted. I know nothing about acoustics. Car washes are noisy. I mean, let's put a small airport in why not Livonia airport? There's great potential for this

property beyond a car wash on that corner of Six mile and Haggerty the northeast side, it's of such great value. It seems like a short sale to sell to a car wash. And I could be mistaken. I was talking to my brother about it today, and he said something about a Whole Foods. I have no idea. You put a Whole Foods in there. Let's get a nice ass…let's get a nice restaurant in there to make organic meals. Let's support that little gem of a corner that the gentleman from Trinity house was talking about, this area is about to become. And I say this area because I wrote this down when I was at home on that intersection. That area is becoming more attractive. And I'm sorry, despite the best efforts of Frank Lloyd Wright, you couldn't make a car wash, an attractive place in that area.

Mr. Wilshaw: Mr. Hurley, I'm going to ask if you can try to summarize at this point.

Mr. Hurley: No, that's the end of my points. Sorry, I was writing down a lot as you guys…lastly, I just want to say that the petitioner, or the petitioner's representative, on several occasions, was asked questions. He stated, I'm sure, and there's no resistance without evidence, of these speculative statements, discussion about the Fox Drive driveway, et cetera, I would ask that if these statements are going to be taken as true, that they be in writing before this body, before they be taken at face value. Thank you for letting me ramble.

Mr. Wilshaw: Thank you for your comments. Mr. Hurley,

Lloyd Vandenbrink, involved with Trinity house theater since 1985. As you know or heard, Trinity house is a volunteer run arts organization, and one of Livonia is cultural treasures. For nearly 40 years, it has given residents a place to gather to celebrate the arts in the field, connected as a community. I'm here tonight to respectfully object to the request for a variance of Section 3.0 of the zoning ordinance that would allow a car wash. This code exists to protect the character of our neighborhoods, to ensure appropriate land use and safeguard residents from negative impacts. Car washes bring noise, traffic, chemical runoff and harsh lighting that don't belong next to a cultural landmark or in an already congested corridor. Trinity house already faces challenges with access and adding a high intensity business would only make things worse. A variance should only be granted in cases of true hardship. Business convenience is not a hardship, it's a preference. If granted, this sets a precedence that weakens your zoning commissions or zoning protections

and chips away at the kind of city Livonia wants to be. Trinity House, as I understand it, has faithfully maintained its building, which is owned by the city and enriches our community for decades. Please consider what is at stake for our cultural life and quote and quality of life. I urge you to deny this variance. If Trinity House goes under, the city will be needing to take care of that that property as well. Thank you for your time and your service to the city.

Mr. Wilshaw: Thank you, Mr. Vandenbrink. Anyone else wishing to speak? We have one lady coming forward. As this young lady is coming forward, I just want to explain too, for folks in our audience that haven't been through this process before, just so you understand a little bit better, the planning commission is going to is reviewing this to make a recommendation to City Council. We're going to make an approving or denying recommendation that would then go to City Council. They would hold their own…actually, excuse me, if we make an approving recommendation, it would go to City Council. If we make a denying motion, then the petitioner has a right to appeal to City Council, in which the City Council will ultimately make the final decision on this. So just so you understand, this is a sort of a multi-step process. This is the first step. We're kind of doing the heavy lifting and homework on the site plan, and then the council will see this as well in the future. So, good evening, ma'am.

Eileen McDonnell, 36099 Brookview, Livonia, MI. I agree with all the other speakers that this should be denied. I don't think it's an appropriate thing to have a car wash at the location next to Trinity House and next to the souls that are buried in the cemetery. You also have to take in consideration the people that live in the assisted living facility. I just think it's just too much. And the gentleman that just spoke previously stated about the upcoming developments and the apartments that are going to be put in at Six and Haggerty, you've got all kinds of opportunities to bring in different businesses, restaurants, coffee shops, something but something that's more acceptable for the community. Thank you.

Mr. Wilshaw: Good evening, sir.

Bill Keith, 25131 Midland, Redford, MI. I live in Redford, but volunteer at Trinity House theater. And first, I just want to thank the representatives that have mentioned the concerns of parking at the theater, because it would be easy to miss that. It's a very small building.

It's nice to see that there is possibly some space at the north end of the property where there might be able to be some parking. That's encouraging. I would agree with everybody about car washes. I love car washes. I love when I get my car washed. I love the higher quality car washes that I've been able to use, but Livonia has plenty of them. I was just looking at the All Things Livonia Facebook page, and they put up a new graphic at the top of their page that says, All things Livonia, home of chicken restaurants and car washes. And I know they were kind of poking at this, because there was a lot of comments about this development and the impact on the area, and I just think everybody else has highlighted a lot of the concerns. I would especially be concerned during the construction phase, because we are limited to about 13 spaces right out in front of the theater and the cemetery. And right now, we're fortunate that the children's center that is on the other side is vacant at the moment, so there is some additional parking over there. But if, if ever there were both under construction at the same time, we would be in a world of hurt. We used to have people who would park on the other side of Six Mile in that office building property, right next to, I guess, Quakertown. But that is a risky prospect in and of itself. Trying to cross Six Mile Road to get to the theater. And people used to park down at Comerica property, and would walk down. Not a bad walk, but once that goes under construction, that's going to make that cemetery and that theater property very challenged. But I appreciate you thinking about the theater as you've considered these questions and providing this opportunity to provide input.

Mr. Wilshaw: Thank you, Mr. Keith. Anyone else wishing to speak? I don't see anyone else wishing to speak. Is the petitioner…would you like to come forward and address any particular issues that were raised that you would like to address? Again, we not we don't want to get into a back and forth debate, but if there's any specific concerns that were mentioned that you wanted to address, I'm going to give you that opportunity.

Mr. Rilett: Yeah, I mean specifically the quantity of car washes in the area and the location. I mean, Express doesn't just pick a property and throw something on there willy nilly. I mean, this is a 5 million plus dollar development here. They do quite a bit of market study research about, you know, they don't want to put one right on top of another car wash. That's not a good business model for either party involved. And we feel really confident that this location, as far as demand for car washes, is not overpopulated in the area, especially…quite a few of the car

washes that are nearby are the sorts that are attached to like a mechanic or not quite up to the same business model as this one, and are not always seen as direct competition. So, the amount of washes in the nearby vicinity is not the major concern as far as the viability of this development. And I mean, I do appreciate the concerns of all the Trinity house speakers. I mean, we do not have any intention of being bad neighbors. And I think if you look at either the other two Express car washes that have already opened up in Livonia, they've even done some work, not only on their own property, but cleaning up and esthetic improvements to the neighboring properties as well. I mean, we know it's a car wash, it can only look so nice. But as far as landscaping, and in any way they can, they really go for like, a Disney World level visual aspect, as far as the landscape presentation of the site goes. I mean, as far as environmental concern issues. I mean, they do a very good job collecting and dealing with all that and anything that would be the case that we it all goes out into the sanitary system. They're not, you know, out washing onto any neighboring properties, polluting anything other than just into the sanitary system itself. And then, like the sound study that we passed out indicated especially at the distance away from the neighboring property. We try to keep everything that's loud as far west as possible. Once you get to those distances, the sound impact on the neighboring properties is going to be negligible:

Mr. Wilshaw: Okay. Thank you, Mr. Rilett.

Mr. Meyer: I'd like to add a couple of things on that.

Mr. Wilshaw: Of course, go ahead, sir.

Mr. Meyer: So as far as, like with Trinity, you know, God bless them for what they're doing. I mean, I absolutely great, great cause. But we are a great company for nonprofits in the area. The other two Livonia sites. The first 10 days for both we raised money for cares. Next week, I'll be presenting a check for over $17,000 to that charity. Us, as a company, we gave away just under $500,000 last year to local nonprofit companies. This year will be over $700 and our owner is very big on not going with major charities. We go with small local charities that we can make an impact on. With, Mr. Caramagno, you had brought up the adjacent properties in Livonia. Right when I got there the first day I stopped there. I was not happy with the landscaping with the adjacent properties on both sides, I didn't make that property

owner come in and clean it up. We took the cost. We cleaned up those property lines to make sure it met our standards. I go to these sites twice a week. On my inspections if there is so much as a straw wrapper on the adjacent property, they lose their points for their parking lot. Because we train our staff to clean up that property. We want to be great neighbors. You know, in the Livonia on the Farmington Road, I got there the fence in the back that went around the residential area there, it was dilapidated. We paid to have it fixed. The retaining wall at the Plymouth Road location. It wasn't ever required for it to be painted or have anything done to it. We went in there, we cleaned it up, we painted it, and we made sure it was right. As far as the noise, right off one of our vac producers at our Plymouth Road location, going into Dunkin Donuts. Dunkin Donuts drive through. Is right there. They have no problem using their drive through with our vac producer. So, I mean, we really want to be great neighbors. We do have extremely, extremely high standards. If you go buy one of our facilities, go by our Livonia locations, they are spotless. Now, I know people have a bad image of car washes, but we elevate that to a different level, and you can end up with something far worse if this was turned down. Thank you.

Mr. Wilshaw: Thank you, sir. Appreciate your comments. If there's no other questions.

Mr. Caramagno: Chairman, I did. I did find that picture that I was talking about with that brick wall or concrete wall looking toward the cemetery. You might want to look at that on your renderings here, because it does illustrate just what you talked about, a very clear and good looking eastern front of your property. It doesn't look like that today, and hearing that the wall isn't going to be there, I'll say it doesn't sit well with me, but what you're showing in this picture sits very well with me, so I think you need to look at that and see what you can do with that eastern side that talks right back to your story you just told us. Okay. Thank you.

Mr. Wilshaw: Thank you. Mr. Caramagno, if there's no other questions or comments, I'm going to close the public hearing and a motion is in order.

On a motion by Caramagno, seconded by Long, and unanimously adopted, it was

#08-34-2025 **RESOLVED**, That the City Planning Commission does hereby recommend to the City Council that Petition 2025-07-02-15

submitted by Mannik & Smith Group, on behalf of Clean Express Car Wash, requesting waiver use approval under Sections 3.11 and Section 6.07 of the Livonia Zoning Ordinance, as amended, to operate an Auto-Wash Establishment, at 38888 Six Mile Road, located at the N.E. corner of Fox Drive and Six Mile Road in the S.W. ¼ of Section 7, be approved subject to the following conditions:

1. That the Site Plan marked Sheet C200 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to.

2. That the Demolition Plan marked Sheet C101 dated July 9, 2025 as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to.

3. That the Landscape Plan marked Sheets L100 and L101 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to.

4. That the Photometric Plan marked Sheets C600 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to.

5. The Exterior Elevations Plan, identified as A2-1, dated July 10, 2025, prepared by SBA Studios, is approved and shall be adhered to except the south elevation, which shall be enhanced to the satisfaction of the Planning Director.

6. The hours of operation shall be limited to the following: Monday through Saturday from 7:00 a.m. to 8:00 p.m. and Sunday from 8:00 a.m. to 7:00 p.m.

7. All light fixtures shall not exceed a height of twenty feet (20') and shall be aimed and shielded to minimize stray light trespassing across property lines and glaring onto adjacent roadways. All exterior lights shall be turned off or dimmed between 8:00 p.m. and 7:00 a.m.

8. Underground sprinklers shall be installed for all landscaped and sodded areas. All planted materials shall be installed to the satisfaction of the Inspection Department and permanently maintained in a healthy condition.

9. That the site's landscaping shall be permanently maintained in a healthy condition.

10. All disturbed lawn areas, including road rights-of-way, shall be sodded instead of hydroseeding.

11. The three walls of the trash dumpster area shall be constructed out of building materials that complement the building, and the enclosure gates shall consist of opaque and durable steel or composite panels.

12. That a detailed Stormwater Detention plans are submitted to the Engineering Department before construction.

13. Only conforming signage is approved with this petition, and any additional signage shall be separately submitted for review and approval by the Zoning Board of Appeals.

14. No LED light band or exposed neon shall be permitted on this site, including, but not limited to, the building or around the windows.

15. The car wash bay lights shall be shut off when closed.

16. Unless approved by the Inspection Department, any type of exterior advertising, such as promotional flags, streamers, or sponsor vehicles designed to attract the attention of passing motorists, shall be prohibited.

17. That sidewalks be added to the site to the satisfaction of the Planning Director.

18. The petitioner shall provide an updated traffic study to City Council to affirm the proposed use would not have a significant negative impact on the area.

19. Approval is contingent upon the Petitioner entering into an agreement with the owners of the adjacent commercial property to the west, allowing the Petitioner access to Fox Drive.

20. The petitioner has documented efforts to work with Trinity House to mitigate parking issues to the satisfaction of the Planning Director.

21. All parking spaces, except the required handicapped spaces, shall be doubled striped at ten feet (10') wide by twenty feet (20') in length as required.

22. Egress onto Six Mile Road shall be restricted to Right in and Right out configuration.

23. The plans referenced in this approving resolution shall be submitted to the Inspection Department with the building permit application(s); and

24. Per Section 13.13 of the Livonia Zoning Ordinance, this approval is valid for one (1) year from the date of approval by the City Council. Unless a building permit is obtained, this approval shall be null and void after the one (1) year period.

FURTHER RESOLVED**,** That notice of the above hearing was given in accordance with the provisions of Section 13.13 of the Livonia Zoning Ordinance, as amended.

Mr. Wilshaw: Is there any discussion?

Mr. Long: Mr. Chair, I'll offer support, but I would like to offer an amendment to number seven and Mr. Caramagno's, or in the approving resolution, we're all exterior lights shall be turned off or dim between 8pm and. 7:30am I think we need to change that to 7am to be consistent with the hours that we're setting out in in number six, where they're allowed to be open Monday through Saturday, from 7am to 8pm.

Mr. Caramagno: Nice catch. I'm good with it. Okay, thank you so support.

Mr. Wilshaw: All right. Any other comments or questions on the motion. Mr. Droze.

Mr. Droze: Mr. Caramagno, a couple suggested amendments for your consideration. One that a signed and sealed statement from a professional traffic engineer validating that the development essentially will not have adverse impacts under the proposed condition within the traffic study, so essentially loading the proposed use into that traffic study, updating it and providing information to planning and or council. I have a couple more, so I don't know if you want to go one by one.

Mr. Caramagno: That makes sense.

Mr. Droze: The next one is…it feels like having signed approvals from the, first and foremost the Fox Drive, having that in place before it goes to council, because it's, as noted by several, that access is pretty important from a traffic standpoint, I think addresses a lot of the concerns of the community.

Mr. Caramagno: Well discussed and agreed.

Mr. Droze: Okay, the third one. I'm not sure exactly how to say this, but these are not…the traffic signal is a different project from what we're considering tonight, but I know a lot of my concerns would be put at ease if there was assurance traffic signal is in an operational as a condition of the certificate of occupancy. So, I'm not sure if that's something that we can do, but it feels to me like it's important for the project to have that traffic signal up and running. So it's a little complicated from a legal perspective, but…

Mr. Caramagno: It is because the car wash is not putting the signal in. Schoolcraft College is putting the signal in. It sounds like it's well on its way, but I don't know how you tie that back to the car wash.

Mr. Droze: Okay, I can pull that one if necessary.

Mr. Long: I have the same problem. I have that's right there in my notes, yeah, but I don't know how you…

Mr. Wilshaw: Yeah, how do you obligate this petitioner?

Mr. Long: I guess you know what I would rely upon, or what I would…how I resolved it, in my mind was that that's going to be up to council. And by the time it gets to council, hopefully they're far enough along, but I would think that council would take that into consideration as they ultimately approve or deny. So that's how I got past it.

Mr. Droze: Okay, good.

Mr. Droze: And then maybe just the last concern is, you know, this is…as was noted, this is a…it's not a natural resource, but we have a community and resource that's potentially being impacted by this. And you know, it seems to me, before this goes to council, maybe this isn't an item of the approving motion, but I think certainly having done some homework with actual sit down

meetings to talk about this and what can be done, because I think, you know, much like we might see, if a project impacts a portion of a wetland, it has an impact on, you know, the greater natural resource. Cutting off the parking and other access for this existing use, I think it needs to be mitigated, and so some consideration that the applicant engage in a documented way with the Trinity house prior to the council would be my last condition.

Mr. Caramagno: That gives them time to discuss that with them in greater detail. Yeah, I think that's a good, good suggestion.

Mr. Wilshaw: Okay, any other comments on this petition? I do have a number of notes as well. I wanted to make sure everything is covered. I'm going to go through things I'm hearing might be missing. Double stripes parking. I didn't see in the approving resolution, and I believe they're showing single stripe.

Mr. Uhazie: Yes, that should be in there.

Mr. Wilshaw: So if we can get double stripe.

Mr. Caramagno: Sure.

Mr. Wilshaw: Okay, that's just one of our standard things. I have the sidewalks along Fox Drive that were already mentioned, and also working with the Trinity theater property in access or potential parking abatement for them. That's going to be more of a…as noted by Mr. Droze, it's going to have to be a coordinated effort. We can't obligate them to do something, but if they can try their best effort on that the…Is there any feeling about mandating a right turn only on the Six Mile for that exit drive? There was some discussion on that.

Mr. Long: I'm not the maker of the motion. I would be fine with that, though. Also, I even want to see maybe some way finding signs again, pushing everybody, as many people, as possible, out Fox Drive.

Mr. Wilshaw: Encouraging to Fox.

Mr. Long: Encouraging. Again, it's not enforceable, but

Mr. Caramagno: They're nice in theory. Whether or not people listen, is a total, different animal. I'm okay with the right turn coming out of the

driveway, the extra driveway on Six Mile Road. I think that's good.

Mr. Wilshaw: I mean, the alternative would be, you could make the entrance off Six Mile an entrance only, and say no exit, no exiting allowed. So all traffic coming out of those tunnels would have to turn to Fox drive.

Mr. Bongero: We don't even have an agreement with Fox yet, correct?

Mr. Long: But again, council would have the ability to, this is our recommendation to them, so council would be able to rectify that, should they not come to an agreement,

Mr. Wilshaw: Just a thought. I'm throwing it out there.

Mr. Caramagno: I got you. Yeah, so right turn out of the car wash, I'm okay with, although, when the light goes in, it's probably not going to be necessary.

Mr. Wilshaw: Right, because that'd be alleviated.

Mr. Caramagno: Yes.

Mr. Wilshaw: Okay.

Mr. Long: Well, the light won't alleviate left turns out of the car wash. That'll be, still be a problem.

Mr. Caramagno: But you'll slow them down. You'll slow them down as they're coming up to the light. And you probably can make that left.

Mr. Long: You can crawl across. I understand what you're saying, but I still would want that to be right turn only.

Mr. Caramagno: Right turn only. Okay, let's put that in there.

Mr. Wilshaw: It's gonna be right turn only off Six Mile is a recommendation. And then the improvements to the south facing facade of the building. Mr. Droves brought that topic up, seeing that there's some changes to the rendering. I don't know that we really hammered out exactly what those are at this point.

Mr. Caramagno: I would agree with that, and I would say cautiously, adding something to that south side, because I know what I saw at the study session last week was a little wild, and I didn't care for any

of that, so cautiously, adding some features to the south side that make it look a little better.

Mr. Wilshaw: So, to work with the planning staff.

Mr. Caramagno: Yes.

Mr. Wilshaw: there's options, spandrel, glass, other things that could break up that facade. Sound reasonable? Okay, supporters, all right, with that.

Mr. Long: Supporter is, okay with that.

Mr. Wilshaw: I think that covers all of mine. Mr. Uhazie, have you been able to capture?

Mr. Uhazie: Sorry, I think I've got a good record of it.

Mr. Wilshaw: Okay, very good, because there's a number of items suggested. So, I appreciate all that from my colleagues. Is there any other questions on the motion to approve

A roll call vote on the foregoing resolution resulted in the following:

AYES:	Droze, Long, Caramagno, Wilshaw
NAYS:	Bongero
ABSENT:	Dinaro
ABSTAIN:	Ventura

Mr. Wilshaw, Chairman, declared the motion is carried and the foregoing resolution adopted. It will go on to the City Council with an approving resolution.

Regular Meeting Minutes of December 17, 2025

Vice President Ptashnik reported on the Committee of the Whole meeting of November 19, 2025, regarding the Clean Express Car Wash.

On a motion by Councilmember Donovic, supported by Councilmember Toy, it was:

#402-25 RESOLVED, that having considered the report and recommendation of the Committee of the Whole, dated November 19, 2025, submitted pursuant to Council Resolution 340-25, and a communication from the City Planning Commission, dated August 22, 2025, approved for submission by the Mayor, which transmits its resolution #08-37-2025, adopted on August 19, 2025, with regard to Petition 2025-07-02-15 submitted by Mannik & Smith Group, on behalf of Clean Express Car Wash, requesting waiver use approval to operate an Auto-Wash Establishment, at 38888 Six Mile Road, located at the N.E. corner of Fox Drive and Six Mile Road in the S.W. ¼ of Section 7, the Council does hereby concur in the recommendation made by the City Planning Commission and Petition 2025-07-02-15 is hereby approved and granted, subject to the following conditions:

1. That the Site Plan marked Sheet C200 dated July 9, 2025, as revised and submitted as New Data received for the Regular Meeting of November 5, 2025, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

2. That the Demolition Plan marked Sheet C101 dated July 9, 2025 as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to;

3. That the Landscape Plan marked Sheets L100 and L101 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

4. That the Photometric Plan marked Sheets C600 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

5. The Exterior Elevations Plan, identified as A2-1, dated August 11, 2025, as revised and submitted as New Data received for the Regular Meeting of November 5, 2025, prepared by SBA Studios, is approved and shall be adhered to except the south elevation, which shall be enhanced to the satisfaction of the Planning Director;

6. The hours of operation shall be limited to the following: Monday through Saturday from 7:00 a.m. to 8:00 p.m. and Sunday from 8:00 a.m. to 7:00 p.m.;

7. All light fixtures shall not exceed a height of twenty feet (20') and shall be aimed and shielded to minimize stray light trespassing across property lines and glaring onto adjacent roadways. All exterior lights shall be turned off or dimmed between 8:00 p.m. and 7:00 a.m.;

8. Underground sprinklers shall be installed for all landscaped and sodded areas. All planted materials shall be installed to the satisfaction of the Inspection Department and permanently maintained in a healthy condition;

9. All disturbed lawn areas, including road rights-of-way, shall be sodded instead of hydroseeding;

10. The three walls of the trash dumpster area shall be constructed out of building materials that complement the building, and the enclosure gates shall consist of opaque and durable steel or composite panels;

11. That a detailed Stormwater Detention plans are submitted to the Engineering Department before construction;

12. Only conforming signage is approved with this petition, and any additional signage shall be separately submitted for review and approval by the Zoning Board of Appeals;

13. No exposed LED light band or neon shall be permitted on this site, including, but not limited to, the building or around the windows;

14. The car wash bay lights shall be shut off when closed;

15. Unless approved by the Inspection Department, any type of exterior advertising, such as promotional flags, streamers, or sponsor vehicles designed to attract the attention of passing motorists, shall be prohibited;

16. That sidewalks be added to the site to the satisfaction of the Engineering Division;

17. Approval is contingent upon the Petitioner entering into an agreement with the owners of the adjacent commercial property to the west, allowing the Petitioner access to Fox Drive, and the installation of a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane;

18. The petitioner is encouraged to work with the Historic Preservation Commission on the location and type of fence bordering the cemetery;

19. All parking spaces, except the required handicapped spaces, shall be doubled striped at ten feet (10') wide by twenty feet (20') in length as required;

20. Ingress and egress to Six Mile Road shall be restricted to right-in and right-out configuration;

21. The plans referenced in this approving resolution shall be submitted to the Inspection Department with the building permit application(s); and

22. Per Section 13.13 of the Livonia Zoning Ordinance, this approval is valid for one (1) year from the date of approval by the City Council. Unless a building permit is obtained, this approval shall be null and void after the one (1) year period.

Brandon Grysko, Representative, stated the developer decided to add an additional buffer between the gas station and the cemetery, is willing to allow parking for the nearby theatre, and noted several improvements regarding traffic and stormwater.

Chris Hench, 9812 Cranston, stated the car wash does not serve any needs for the residents and cheapens the area.

Matt Hanson, Quakertown, urged Council to decline the addition of another car wash as he believes the residents are overwhelmingly against it and there has to be a better idea for the location.

Jenaveve Lenoir, Beatrice, expressed concerns over the safety of the nearby cemetery and the integrity of the item.

Betsy Calhoun, Grenada, stated a nearby city implemented a moratorium on any new car washes.

Jerry Karasinski, Bainbridge Ave., inquired on how a gas station can afford the traffic intersection and noted a restaurant would provide more jobs compared to a car wash.

Neil Morawski, Quakertown, voiced his frustration with the amount of traffic lights in the area and the amount of car washes already present in Livonia.

Jim Roderick, Quakertown, noted a constant backup on a nearby exit ramp and inquired how residents will get out of the subdivision if a traffic light is constructed furthering the issue.

Jim Biga, Resident, noted the amount of carwashes are too much for how many residents live in Livonia.

Bob Hauser, Hubbard, requested something other than a car wash be next to the cemetery and a buffer between the locations.

Kathy Bilger, Augusta Ct., stated the cemetery is historic and Council needs to protect it.

Eileen McDonnell, Resident, opposed the idea of another car wash in Livonia and requested something more fitting and respectful to take its place.

Laura Jannika, Munger St., hoped Council would take into account the need for more parking for Trinity Theatre.

Greg Ralko, Golf Ridge Villa, compared the amount of car washes in Livonia to nearby cities and stated Farmington Hills had a similar situation in which they had passed an ordinance limiting the building of more.

Cindy Fleming, Resident, echoed the idea of a moratorium and asked Council to slow down on the development of new car washes.

Donald Bilger, Augusta Ct., noted the proximity to another nearby carwash.

Denise Mica, Resident, requested Council to think about changing ordinances to slow down the addition of car washes in Livonia and inquired if there was a meeting with the agenda of pushing the item through faster.

Lauren Dugas-Holler, Alexander St., stated having another car wash in Livonia is not beneficial especially with the rising cost of living.

Patty Riggio, Resident, stated nobody has spoken on favor of the car wash and hopes that future Councilmembers will listen to residents.

John Pastor, Capri Ct., noted that he is not building the gas station and with the addition of the car wash the traffic light will help residents exit the nearby subdivision.

A roll call vote was taken on the foregoing resolution with the following result:

AYES: Donovic, Ptashnik, Scheel, Morgan.
NAYS: Budzinski, Toy, McCullough.

UNFINISHED BUSINESS ITEM 10 (Regular Meeting of December 17, 2025)

Motion: **Donovic**
Second: **Toy**
Ayes: **Donovic, Ptashnik, Scheel, Morgan**
Nays: **Budzinski, Toy, McCullough**
Absent: **None**

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TECHNICAL MEMORANDUM

To: **Jacob Uhazie, Assistant Director, Planning Department, City of Livonia**
From: Kris D. Ball, PE, PTOE
CC:
Date: November 19, 2025
Project #: 401.2500286.000
Re: **Traffic Impact Analysis – Express Car Wash**
38888 Six Mile Road
City of Livonia, Wayne County, Michigan

Introduction

At the request of the City of Livonia Planning Department, the Mannik & Smith Group (MSG) has completed an analysis of expected trip generation at a proposed car wash, at 38888 Six Mile Road in Livonia, Michigan. Trip generation for the proposed car wash was compared to the property's prior land use, a restaurant. The objective of this memo is to clearly define how many additional trips, if any, the proposed car wash will generate relative to the prior restaurant land use. Trip generation estimates for this analysis were completed using the Institute of Transportation Engineers (ITE) Trip Generation Manual, 12th Edition.

Site Location and Access

The proposed car wash will replace the former restaurant in the northeast quadrant of the Six Mile Road & Fox Drive intersection (see Figure 1). Access for the proposed car wash will include relocating the site's existing driveway to the east and signalization at the Six Mile Road & Fox Drive/Quakertown Lane intersection (see Figure 2). It is understood that signalization at Six Mile Road & Fox Drive/Quakertown Lane has been approved by the Wayne County Roads Division pending the driveway location change.



Figure 1: Site Location



Figure 2: Conceptual Site Plan

ITE Trip Generation Comparison

The ITE Trip Generation Manual, 12th Edition provides data for estimating the number of trips generated by specific land uses based on an independent variable (e.g., number of car wash tunnels, 1,000 square feet of gross floor area). ITE land use code 948 (Automated Car Wash) was utilized for trip generation at the proposed site. The description of ITE land use code 948 (Automated Car Wash) is as follows:

> *An automated car wash is a facility that allows for the mechanical cleaning of the exterior of vehicles. Manual cleaning services may also be available at the facility.*

A summary of projected trip generation for the former restaurant land use and the proposed car wash land use is provided in Table 1. It may be noted that a pass-by trip reduction was applied to trips estimated for ITE land use code 948 (Automated Car Wash). Pass-by trips are trips that visit a particular site on the way to a different, primary destination. These trips are drawn from the existing traffic stream and do not add any new traffic to adjacent roadways. It may be noted that ITE does not provide pass-by data for ITE land use code 948 (Automated Car Wash). As such, average pass-by rates for ITE land use code 944 (Gasoline/Service Station) were applied to car wash trips. Pass-by trip rates during the AM and PM peak hours for ITE land use code 944 (Gasoline/Service Station) are 63% and 57% respectively.

Table 1: ITE Trip Generation

ITE LUC	ITE Land Use Units	Weekday - Peaks					
		Peak Hour of Generator					
		AM Peak			PM Peak		
		Enter	Exit	Total	Enter	Exit	Total
Former Land Use (Restaurant)							
LUC #931	Fine Dining Restaurant (7,790 SF)	23	5	28	38	33	71
Total Expected Trips Generated by Existing Building		**23**	**5**	**28**	**38**	**33**	**71**
Proposed Land Use (Car Wash)							
LUC #948 (12th Edition)	Automated Car Wash (1 Car Wash Tunnel + 14,229 SF Car Wash Facility + 2 Payment Stalls)	191	183	374	176	177	353
LUC #948 (12th Edition)	Pass-By Trips (63% AM, 57% PM)	-120	-115	-235	-100	-101	-201
Total New Site Generated Traffic by Car Wash		**71**	**68**	**139**	**76**	**76**	**152**
Total Trip Differences (Existing vs Proposed)		**48**	**63**	**111**	**38**	**43**	**81**

Conclusions

The proposed car wash will add 48 total new trips to the roadway network during the AM peak hour (48 inbound, 63 outbound) and 81 total new trips to the roadway network during the PM peak hour (43 inbound, 81 outbound). It may be noted that while this is an overall increase in trips along the roadway network, traffic operations along Fox Drive and Quakertown Drive are expected to improve upon signalization of the Six Mile Road & Fox Drive/Quakertown Drive intersection.

APPENDIX A
ITE Trip Generation

Land Use: 931
Fine Dining Restaurant

Description

A fine dining restaurant is a full-service eating establishment with a typical duration of stay of at least 1 hour. A fine dining restaurant generally does not serve breakfast; some do not serve lunch; all serve dinner. This type of restaurant often requests and sometimes requires a reservation and is generally not part of a chain. A patron commonly waits to be seated, is served by wait staff, orders from a menu and pays after the meal. Some of the study sites have lounge or bar facilities (serving alcoholic beverages), but meal service is the primary draw to the restaurant.

Additional Data

If the fine dining restaurant has outdoor seating, its area is not included in the overall gross floor area. For a restaurant that has significant outdoor seating, the number of seats may be more reliable than GFA as an independent variable on which to establish a trip generation rate.

The sites were surveyed in the 1990s, the 2010s, and the 2020s in Arizona, California, Florida, Indiana, Kentucky, New Jersey, and Utah.

Source Numbers

338, 339, 368, 437, 440, 976, 1053, 1204

Fine Dining Restaurant
(931)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
AM Peak Hour of Generator

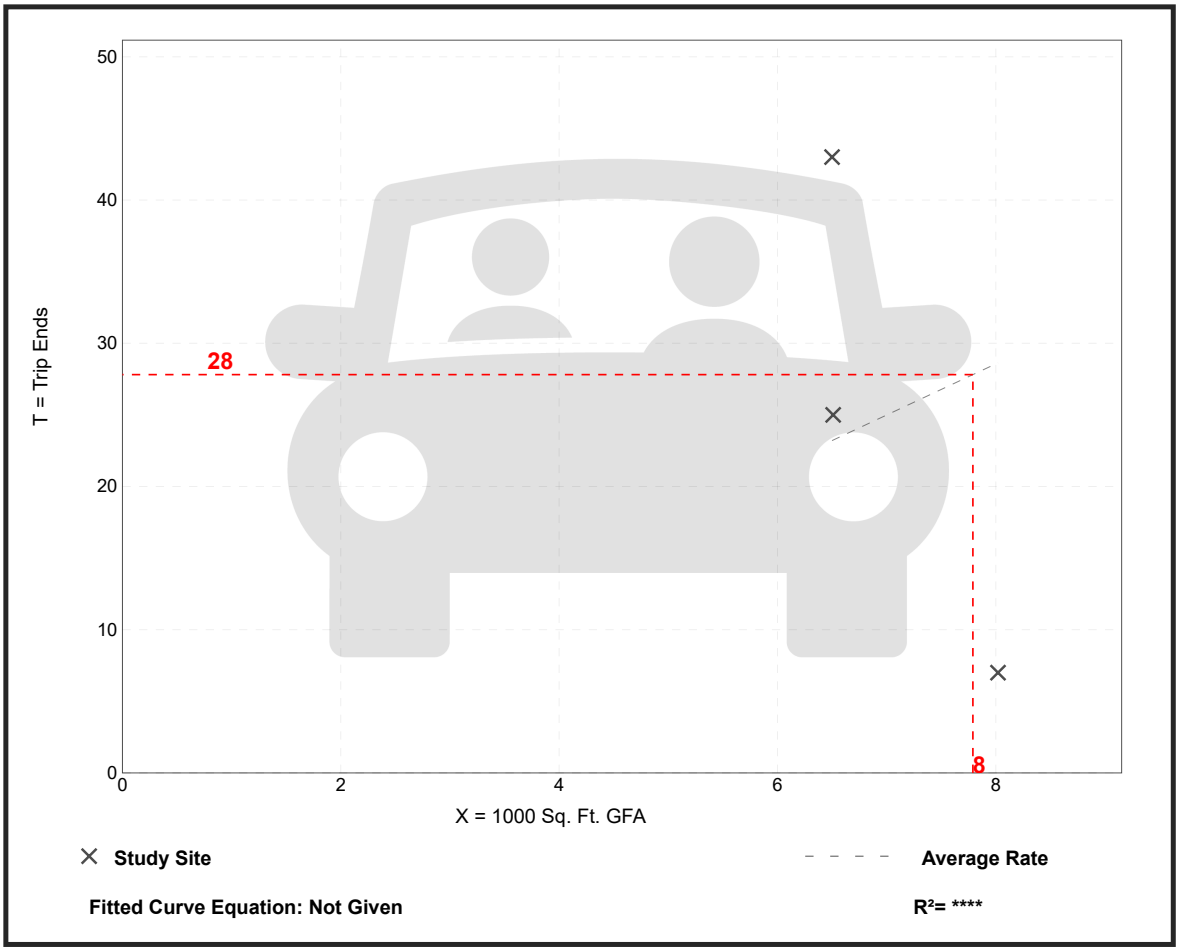
Setting/Location: **General Urban/Suburban**
Number of Studies: 3
Avg. 1000 Sq. Ft. GFA: 7
Directional Distribution: 82% entering, 18% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
3.57	0.87 - 6.62	2.91

Data Plot and Equation

Caution – Small Sample Size



Fitted Curve Equation: Not Given

R^2= ****

Trip Gen Manual, 12th Edition • Institute of Transportation Engineers

Fine Dining Restaurant
(931)

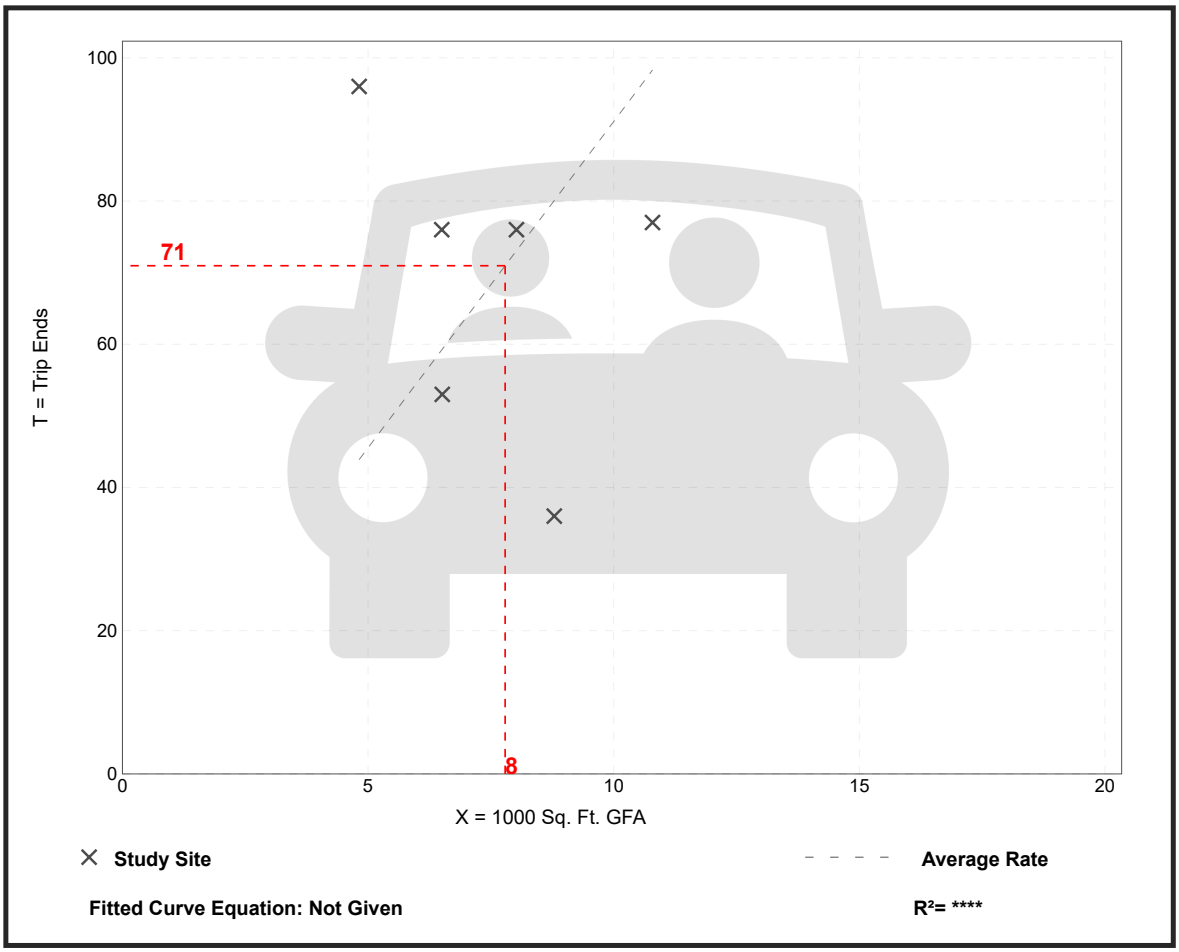
Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
PM Peak Hour of Generator

Setting/Location: **General Urban/Suburban**
Number of Studies: 6
Avg. 1000 Sq. Ft. GFA: 8
Directional Distribution: 53% entering, 47% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
9.11	4.10 - 19.93	4.81

Data Plot and Equation



Trip Gen Manual, 12th Edition • Institute of Transportation Engineers

Land Use: 948
Automated Car Wash

Description

An automated car wash is a facility that allows for the mechanical cleaning of the exterior of vehicles. Manual cleaning services may also be available at the facility.

Additional Data

The sites were surveyed in the 1990s, the 2000s, and the 2020s in California, Colorado, Florida, New Jersey, New York, Pennsylvania, and Washington.

Source Numbers

552, 555, 585, 599, 954, 1208, 1224, 1245, 1256

Automated Car Wash
(948)

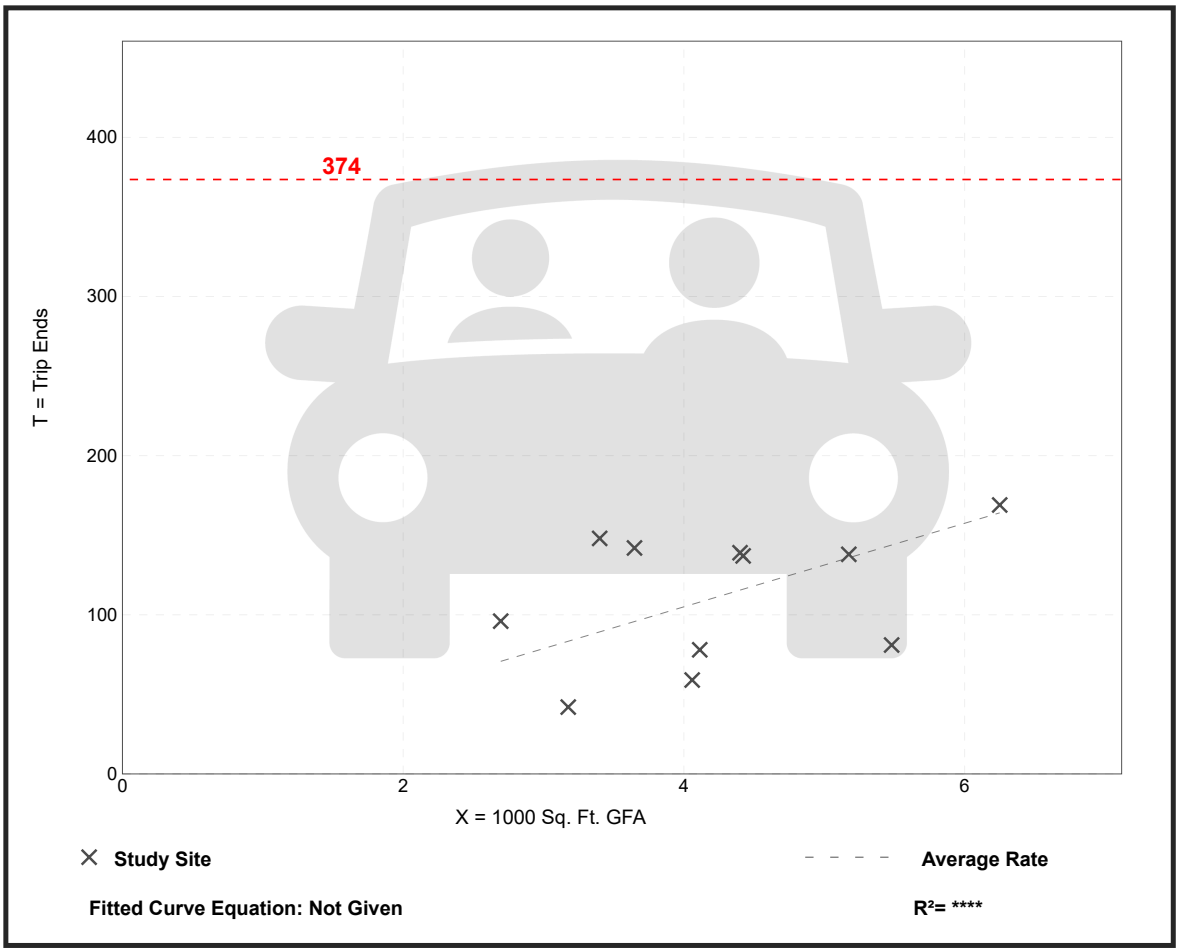
Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
AM Peak Hour of Generator

Setting/Location: **General Urban/Suburban**
Number of Studies: 11
Avg. 1000 Sq. Ft. GFA: 4
Directional Distribution: 51% entering, 49% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
26.25	13.22 - 43.53	9.82

Data Plot and Equation



Trip Gen Manual, 12th Edition • Institute of Transportation Engineers

Automated Car Wash
(948)

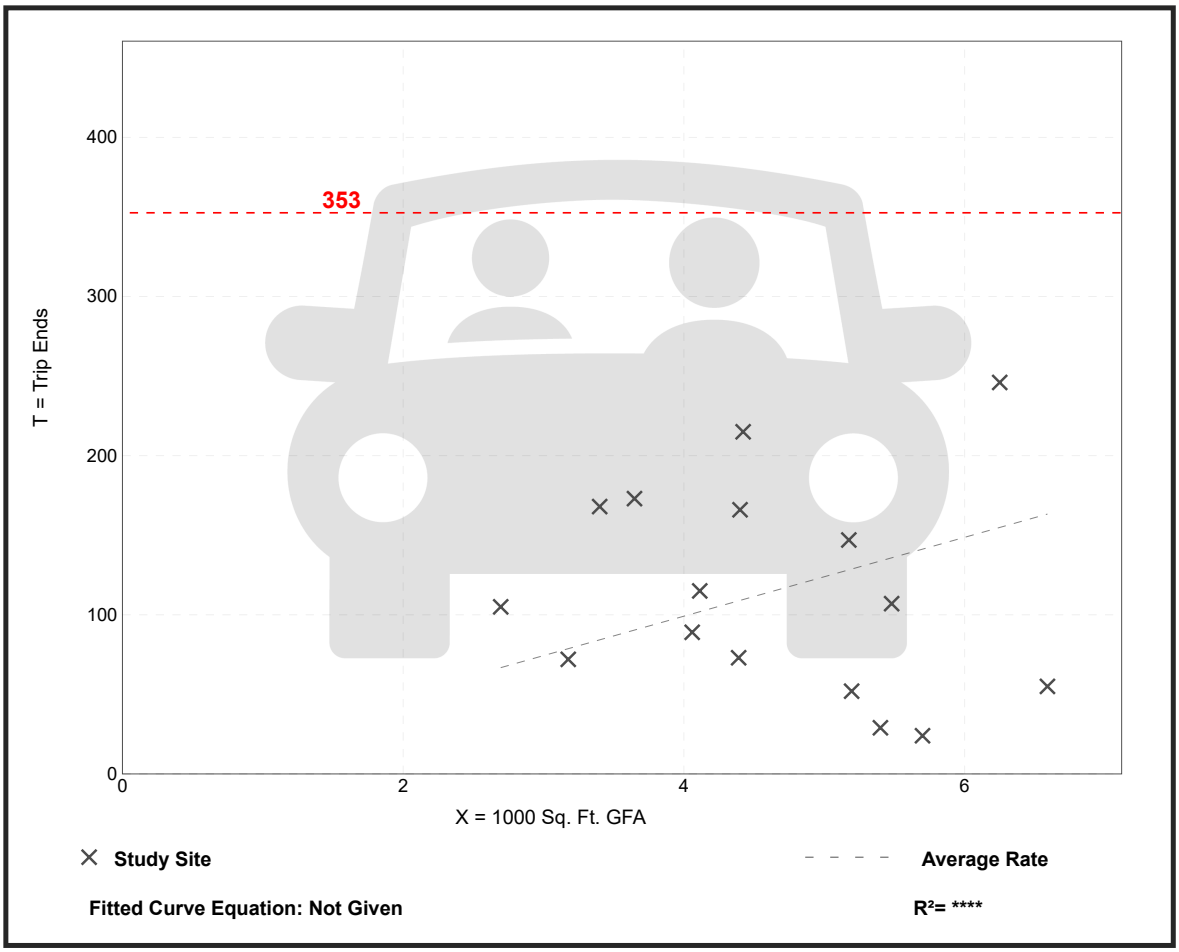
Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,**
PM Peak Hour of Generator

Setting/Location: **General Urban/Suburban**
Number of Studies: 16
Avg. 1000 Sq. Ft. GFA: 5
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
24.78	4.21 - 49.41	15.65

Data Plot and Equation



Trip Gen Manual, 12th Edition • Institute of Transportation Engineers

NEW DATA RECEIVED FOR THE REGULAR MEETING OF NOVEMBER 5, 2025

October 31, 2025

City of Livonia
Livonia City Council
33000 Civic Center Drive
Livonia, MI 48154

Robert & Jennifer Doehrer
3717 Vorhies Road
Ann Arbor, MI 48105
Owners of the land parcel located at:
38888 Six Mile Road, Livonia, MI

Re: Petition 2025-07-02-15 - Waiver Petition on Behalf of Clean Express Car Wash - Requesting Waiver Use Approval to Operate an Auto-Wash Establishment located at 38888 Six Mile Road, Livonia, Michigan.

Dear Honorable Members of the City Council,

We are writing this letter in an effort to address two specific points, as brought up at the last city council meeting held on October 20, 2025, related to the request for waiver use approval by Clean Express Car Wash.

The two points we would like to address are as follows:

1.) The decision by the landowner to choose Clean Express Car Wash (an auto-wash establishment) as a tenant, as opposed to engaging with another restaurant group.

As you know, Buca di Beppo (Buca) was a long-standing tenant of that property since approximately 1999. Buca was a publicly held company at first and in the later years was held by private equity. Both owners were able to place a large amount of capital behind their projects and locations during initial operations and to sustain operations during difficult times. However, even with private equity ownership in the later years, Buca started to incur financial difficulties just prior to Covid and those difficulties continued from 2020 through August 2024, when they finally filed for bankruptcy. During the final years, they were not a steady tenants and upon their filing for bankruptcy, they left the landlord with significant debts owed while still a tenant.

The financial headwinds that Buca encountered from 2020 through their exit in 2024, was a constant throughout the entire restaurant industry. Initially, the industry was impacted by Covid issues, but for the past several years the industry has been battling the rising cost of goods, the rising cost of labor, increased labor shortages, and the fact that more competition has occurred, including new concepts. These issues alone have made the restaurant industry much more of a risk.

In fact, depending upon your research, a new restaurant has a 17% to 30% chance of failure in the first year and a 51% chance of failure by the fifth year. Obviously, national chain restaurants have a much higher chance of success, while independent operators face a higher chance of failure.

As owners of the location, we did place the property out for lease (but not for sale) on the national market. We did receive several offers for the land to be purchased, but the owners had determined that keeping the land and leasing it out was best. With that, we did receive two offers from national chain restaurant operators. However, they too have calculated the risks associated with a new restaurant and asked that we contribute approximately $1,000,000 to their project, immediately. This was not a capital, ownership injection, but an interest free loan for 10 years. Obviously, the two national operators saw this investment as a high risk, too, and they asked that we share in the risk, as well. That is not a risk we were willing to take on, as we would have no control over their operations and the market. To us, both offers did not make sense from an economic and risk/reward standpoint.

Lastly, we felt that the location was a high risk for another "sit-down" restaurant as there is current competition present and more coming within a 1-mile radius. With Capital Grille just across 275 coming, Hyde Park across Haggerty, Flemmings just to the north, and "restaurant row" on Haggerty coupled with the new development on the corner, it appears that there is significant restaurant competition.

With the items stated above, we came to the determination that with no reasonable national chain offers in hand, nor reasonable local operator offers in hand, that our best options were to entertain another industry that would be a better fit. We did our research on Clean Express Car Wash and determined that the company is very respected in the industry and has partnered with communities to best serve them.

2.) The traffic impact that would occur with Clean Express Car Wash being located at the 38888 Six Mile site.

I believe the traffic study, which was performed in coordination with Schoolcraft College, will demonstrate that no additional traffic would occur with Clean Express. In fact, it would be reduced as compared to having a restaurant on the site. A restaurant is a destination and generates new traffic from those patrons who are specifically going to the restaurant. However, a car wash is not a destination and does not generate new traffic, it feeds off of current traffic flow.

In addition, by moving the current ingress and egress from the southwest corner of the Buca site to the southeast corner this will create a new "right turn in only and right turn out only" ingress and egress, which should provide for a smoother traffic flow. By keeping the current ingress and egress on the southwest corner, patrons are able to turn in and out to the left and the right at their own discretion, which creates more traffic hazards.

Lastly, we have been fully cooperating with Schoolcraft College in attempting to have a traffic light installed at Fox Drive and Six Mile Road. At this current time, negotiations are ongoing.

We hope that our responses to the inquiries from the October 20th council meeting assist you in understanding our decision making and the benefits that we believe will occur once allowing Clean Express to operate at our site.

Thank you for your time and efforts and consideration.

Sincerely,
Robert and Jennifer Doehrer, Owners

Robert A. Doehrer 10-31-2025
Date

Jennifer R Doehrer 10/31/25
Date

FAUSONE & GRYSKO, PLC
ATTORNEYS AT LAW

Executive Summary: Petition 2025-07-02-15 — Mannik & Smith Group // 38888 Six Mile LLC

Livonia City Council | May 26, 2026

Request: Amend Condition 17 of CR 402-25 to require Petitioner's reasonable efforts, rather than conditions that are outside the practical ability of Petitioner to control.

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1. The Traffic Signal Is a Public Improvement, Not a Car Wash Requirement

- An independent study found a signal at Six Mile/Fox Drive is warranted under three separate traffic standards and would improve safety for southbound left-turn movements. (Exhibit A)
- Existing resident safety concerns stem from the current road layout, not the car wash. Relocating the Buca di Beppo driveway east resolves a longstanding conflict and allows the signal to move forward. (Exhibit B)
- The 2022 traffic study confirmed that a signal was warranted before the car wash proposal

2. The Car Wash Adds Minimal New Traffic

- Conservatively, 75% (but possibly as many as 80–90%) of car wash trips are "pass-by" traffic — vehicles already on the road, not new destination trips. (Exhibit B)
- The net of new trips (adjusted for what would have been Bucca Di Beppo trips) are essentially equivalent to normal annual background traffic growth. (Exhibits A, D)
- Peak car wash activity is from 10 a.m.–4 p.m. These are "off times" for commuters. Also, on-site stacking (21 spaces) exceeds typical demand (8–10 cars stacked during peak times). (Exhibit B)

3. The Approving Resolution Needs to be Amended

- Currently, approval is tied to a $1.2 million traffic signal dependent on Schoolcraft College and Wayne County permits — none of which the Petitioner controls. (Exhibit B; Exhibit C)
- It also requires a Fox Drive access agreement from a neighboring landowner, at that private landowner's sole discretion. (Exhibit C)

Solution: The driveway relocation is already required with the existing approved site plan. The Petitioner will, therefore, (1) move the driveway, (2) continue its good-faith cooperation with the traffic signal process, and (3) use reasonable efforts short of litigation to obtain Fox Drive access if it becomes available.

FAUSONE & GRYSKO, PLC
ATTORNEYS AT LAW

May 26, 2026

Honorable Members of the Livonia City Council
City of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154

Re: Petition 2025-07-02-15 —Mannik Smith Group & 38888 Six Mile LLC

Dear Honorable Members of the City Council:

I write on behalf of the Petitioner to supplement my prior request to amend CR 402-25, related to approved Petition 2025-07-02-15.

The request to amend CR 402-25 should be approved because it presents an opportunity for a public-private partnership to install a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane. The signal will benefit the community, nearby residents, Schoolcraft College, and local businesses. More importantly, a signal at that location would address a pre-existing traffic safety problem that has nothing to do with car washes.

This letter addresses the traffic-related issues raised at the Study Meeting dated May 18, 2026: the need for the signal, the difference between the Hubbell, Roth & Clark (HRC) traffic study and the Mannik Smith Group (MSG) trip-generation memo, the concerns regarding signal timing and car wash traffic, and the conditions in CR 402-25 that require clarification or amendment. The development team continues to hope for an amicable resolution, while also recognizing that private property rights must be respected.

I. A Traffic Signal Is a Needed Public Improvement

HRC's traffic analysis analyzed data collected in 2022 and found that a traffic signal is warranted under three separate traffic standards in the Michigan Manual on Uniform Traffic Control Devices. HRC also concluded that a signal at this location "can improve safety performance and significantly reduce safety risks" for southbound left-turn movements. (Exhibit A, HRC Traffic Analysis, pp. 0002, 0015[1].) In short, the traffic record supports the same conclusion residents have been raising for some time: this intersection needs improvement.

Residents have repeatedly raised concerns about safely turning in and out of Quakertown. Those concerns are not caused by the proposed car wash; they stem from the current road layout at Six Mile Road, Fox Drive, Quakertown Lane, and the nearby I-275/Haggerty corridor. This project helps address that problem. As HRC explained at the Planning Commission meeting, one reason the signal had not moved forward was the existing Buca di Beppo driveway location. Moving the driveway east helps resolve that conflict and allows the signal project to proceed through permitting and implementation. (Exhibit B, Planning Commission Minutes, p. 0095–0096.)

The proposed signal is a public improvement. At the Planning Commission meeting, HRC explained that Fox Drive and Quakertown Lane would each get their own green signal phase, separate from Six Mile Road

[1] Citations are to attached Index of Exhibits with Bates numbering/pages provided for ease of reference.

traffic. (Exhibit B, Planning Commission Minutes, p. 0097.) HRC also recommended coordinating the new signal with nearby signals when feasible, adding a left-turn lane for southbound traffic at Fox Drive, and adding a left-turn lane for northbound traffic at Quakertown Lane. (Exhibit A, HRC Traffic Analysis, p. 0010.) These are real traffic improvements, not cosmetic conditions.

Concerns were also raised about the offset signal and signal timing. Those concerns will be addressed by the actual traffic-control design and by existing land-use approval conditions. For example, the Council resolution limits access to Six Mile Road to a right-in/right-out configuration. (Exhibit C, CR 402-25, p. 0122.) HRC's recommendation contemplated split-phased operation for Fox Drive and Quakertown Lane. (Exhibit A, HRC Traffic Analysis, p. 0010.) In plain language, each side gets its own separate green light rather than simultaneous conflicting turns. These are specific, targeted traffic-control measures. They will also remain subject to review by the Wayne County Traffic Operation Office with reference to the Michigan Manual on Uniform Traffic Control Devices.

II. The HRC Traffic Study and the MSG Trip Generation Memo Answer Different Questions

The HRC traffic study and the MSG trip-generation memo are not competing documents. They answer different questions.

The HRC study looks at the broader Six Mile Road corridor from Haggerty Road to the I-275 interchange. It asks whether a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane is warranted and workable. HRC reviewed existing traffic, collected traffic counts, applied a future growth factor, and modeled existing, background, and proposed signal conditions. (Exhibit A, HRC Traffic Analysis, pp. 0002, 0004.) That is why the HRC study is the proper document for evaluating the need for, and benefit of, the signal.

The MSG memo answers a narrower question: what type of site activity should be expected from the proposed car wash compared to the former Buca di Beppo restaurant. MSG used the ITE Trip Generation Manual, 12th Edition, to compare expected trips from both a fine-dining restaurant and an automated car wash. (Exhibit D, MSG Trip Generation Comparison Memo, pp. 0124, 0126.) The memo is useful because it explains the character of the site traffic, not merely the raw number of driveway movements.

Importantly, the Planning Commission recommended updated traffic analysis to confirm there would be no adverse traffic impacts. Specifically, the Planning Commission recommended that "[t]he petitioner shall provide an updated traffic study to City Council to affirm the proposed use would not have a significant negative impact on the area." (Exhibit B, Planning Commission Minutes, Aug. 19, 2025, p. 0114.) MSG developed the Trip Generation Memo in response to that recommendation and following direction from the City Planning Department.

That being said, a traffic *study* could not examine the effects of a car wash that is not yet operational. The HRC study (performed in 2022) assumed a traffic growth rate of 1% through 2024. In 2022, the area of Six Mile and Fox Drive had peak traffic between 2,000 and 3,000 movements. (Exhibit A, HRC Traffic Analysis, pp. 0011, 0013.) Applying HRC's same 1% annual growth forward to 2027 produces a range of more than 100 additional peak-hour movements at Six Mile/Fox. Comparing that to the MSG memo shows the net additional trips during morning peak hours is essentially equivalent to the assumed growth, and the afternoon projection is plainly within it. (Exhibit D, MSG Trip Generation Comparison Memo, p. 0126.)

In other words, HRC explains why the intersection warrants a signal; MSG explains what type of site traffic should be expected from this proposed use. Read together, the two analyses support the same practical

conclusion, that the intersection already needs improvement, and this redevelopment helps make that improvement possible.

With that framework in mind, the specific traffic objections do not support denial.

III. The Car Wash Will Not Create an Unreasonable Traffic Burden

A restaurant is primarily a destination use: customers generally leave work or home specifically to go there. A car wash is different because a substantial portion of its traffic is classified by ITE as pass-by traffic — vehicles already traveling in the corridor that stop as part of an existing trip.

At the Planning Commission meeting, the petitioner explained that ITE guidance treats a substantial portion of car-wash traffic as pass-by traffic and referenced a 75% pass-by factor. (Exhibit B, Planning Commission Minutes, p. 0092.)[2] Seventy-five percent pass-by is the highest pass-by rate that ITE assigns to any use and is conservative in this case; the true pass-by rate for car wash uses may in reality be much closer to 80 or 90%. The property owners made the same practical point in their letter to the City: "A car wash is not a destination and does not generate new traffic, it feeds off of current traffic flow." (Exhibit E, Doehrer Letter, p. 0135.) Common experience supports that distinction. People often stop at a car wash while already out driving. They are less likely to make a separate trip to this particular site in the same way they would for a restaurant.

That distinction matters. The relevant question is not whether the car wash will have customers. Of course it will. The relevant question is whether the proposed use creates an unacceptable traffic burden on Six Mile Road. Six Mile is a large road designed to handle significant traffic volume. Thus, to the extent additional traffic is added by the car wash, the record does not support the conclusion that there will be an unreasonable traffic burden.

Moreover, the Trip Generation Memo shows consistency with the HRC study, which contained future growth projections for the area. Decades of experience in the carwash business also suggests that at peak times typical stacking is only 8-10 cars. And the busiest time of day is between 10am and 4pm, which is outside of normal commuting hours. The plan provides stacking space for 21 vehicles. (Exhibit B, Planning Commission Minutes, p. 0087.) The petitioner also explained that the operation is designed to move vehicles through quickly, with no hand drying at the end of the tunnel slowing vehicles down. (Exhibit B, Planning Commission Minutes, p. 0092.) The design keeps traffic on site rather than backing up onto Six Mile Road. All these factors combined show that there will not be an adverse or unreasonable impact on traffic. Any question of whether cars will spill out onto Six Mile is, therefore, primarily speculative.[3]

IV. The Signal Was Independently Warranted

Concerns about Fox Drive access should be kept in perspective. HRC prepared its study to evaluate the traffic signal, not to assess the car wash's specific traffic impact. (Exhibit B, Planning Commission Minutes, p. 0095.) While HRC's representative offered her opinion at the Planning Commission meeting that Fox Drive access was important, that comment should not be treated as a substitute for the actual traffic record.

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[2] The MSG Trip Generation Memo used a more conservative estimate of 63% in part because the ITE does not have a specific standard for car wash establishments.

[3] The record does not show that the absence of Fox Drive access would cause stacking to spill onto Six Mile. The approved plan provides 21 stacking spaces, and the concern about spillback should be evaluated against that on-site stacking capacity, especially considering general car wash peak stacking is only 8-10 cars.

The traffic record makes clear that the HRC signal study was done because of existing intersection problems, not because of the car wash.

The traffic signal was, and remains, independently warranted based on existing and projected traffic conditions. The Petitioner supports the signal because it improves safety and traffic flow. But the issues should not be confused: the project does not create the need for the signal; it helps create the site conditions that allow the signal to move forward.

V. Conditions in CR 402-25 Requiring Clarification or Amendment

The development team supports the proposed traffic signal and remains willing to work constructively with various stakeholders to make it happen.

The problem is the wording of Condition 17 in CR 402-25. That condition provides that approval is "contingent upon the Petitioner entering into an agreement with the owners of the adjacent commercial property to the west, allowing the Petitioner access to Fox Drive, and the installation of a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane." (Exhibit C, CR 402-25, p. 0121.) As written, this condition appears to make the approval depend on two events that are not within the Petitioner's practical control.

First, the traffic signal is a public improvement in the Wayne County Road system. It also requires the cooperation and participation of Schoolcraft College. The Petitioner can move its driveway to the east, which is exactly what the proposed site plan does. That relocation helps eliminate the existing driveway conflict and allows the signal project to move forward. But the Petitioner cannot compel Schoolcraft College and other stakeholders to fund the signal, nor Wayne County to issue permits, and cannot control the timing of final design, bidding, approval, or installation. The record confirms this. HRC explained at the Planning Commission meeting that the signal plans were ready, but permits had not yet been issued, and the project still required County permitting and bidding. (Exhibit B, Planning Commission Minutes, p. 0094–0095.)

Second, access to Fox Drive requires an agreement with a neighboring property owner. The Petitioner can request that agreement, negotiate in good faith, and use reasonable efforts to obtain it. But the Petitioner cannot force another private property owner to grant access rights. A condition that requires the Petitioner to obtain a third-party property right, without qualification, places the entire approval at the discretion of a non-party who is not before Council and who owes no legal obligation to grant the requested access.[4]

Michigan law does allow *reasonable conditions* on special land use approvals. But those conditions must be tied to the zoning standards, related to a valid police-power purpose affected by the proposed use, and necessary to ensure compliance with those standards. MCL 125.3504(4). The Livonia Zoning Ordinance likewise treats waiver uses as special land uses under the Michigan Zoning Enabling Act. (Livonia Zoning Ordinance, § 2.01.) That framework does not support an unqualified condition requiring the Petitioner to accomplish actions that depend on Wayne County, Schoolcraft College, and a separate private landowner.

These conditions are unreasonable and therefore violative of the Zoning Enabling Act. For example, these conditions together come at significant cost. The signal alone is estimated at $1.2 Million. Access rights

[4] At the time of the Planning Commission meeting, that property owner spoke with developer representatives and indicated he would allow the access point, but since then those discussions have stalled. Thus, the developer representatives who indicated that we were close to obtaining the access agreement spoke truthfully based on the information at hand at that time.

over neighboring property could be tens if not hundreds of thousands of dollars, at the whim of the landowner.

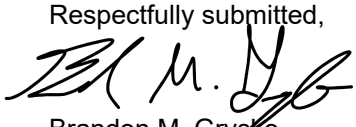
As another example, any imposed conditions must be related to "purposes which are affected by the proposed use or activity." MCL 125.3504(4)(b). Yet a traffic signal was warranted years ago, for reasons entirely unrelated to the car wash proposal.

There is also a separate timing problem. CR 402-25 states that the approval is valid for one year unless a building permit is obtained. (Exhibit C, CR 402-25, p. 0122.) But Condition 17 does not say whether the signal must be installed before a building permit is issued, before construction begins, before a certificate of occupancy is issued, or before the business opens. Nor does it say what happens if the Petitioner timely completes all work within its control, but a third party delays or refuses the signal or Fox Drive access. That creates unnecessary ambiguity and invites future disagreement.

For those reasons, the Petitioner respectfully requests that Condition 17 be amended. A lawful and workable condition would require the Petitioner to do what it can actually do: relocate the Six Mile driveway as shown on the approved plan, cooperate with the signal process, and use reasonable efforts to obtain Fox Drive access. It should not make the approval contingent on events controlled by third parties.

For all the foregoing reasons, the Petitioner proposes that Condition 17 be amended to require reasonable cooperation. This amendment preserves the City's traffic objectives while also recognizing the limits of what a private property owner can practically control. The Petitioner remains committed to working toward both improvements. At the same time, the Petitioner must preserve its legal and property rights and cannot accept an approval condition that effectively allows third parties to prevent use of the property after the Council has already approved the waiver use.

Respectfully submitted,



Brandon M. Grysko
Fausone & Grysko PLC

cc: Mark Taormina, Livonia Planning and Economic Development
Dennis Miller, Mannik & Smith Group
Rob Doehrer, 38888 Six Mile LLC

Attachments

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer.

4. REQUEST TO AMEND COUNCIL RESOLUTION 402-25: Brandon Grysko on behalf of Mannik & Smith Group and Six Mile, LLC, in connection with Petition 2025-07-02-15, removing a condition from the land-use approval requiring access to Fox Drive.

   Brandon Grysko, Mannik & Smith Group, stated there were numerous conditions regarding approval including the addition of a traffic light and access to Fox Drive, the commissioner does not directly control the right of way, requested modification to the conditions as they require working with neighboring facilities.

   Jeff Horka, Masco Corporation, emphasized the importance of the traffic light with concerns over traffic accidents and a problem with a landowner being unresponsive regarding a strip of land that is holding up the project.

   John Wright, Schoolcraft College, stated the importance of the traffic light regarding safety concerns.

   The following residents spoke regarding Item 4: Jim Biga, Jerry Karasinski, and Denise Mika.

   Motion was made by Councilmember Persiconi and Vice President Brockway to put the matter on the Regular portion of the next Regular Agenda.

   DIRECTION: APPROVING&DENYING REGULAR

LETTER TO THE LIVONIA CITY COUNCIL

4.

Planning
May 4, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	

AGENDA ITEM

REQUEST TO AMEND COUNCIL RESOLUTION 402-25: Brandon Grysko on behalf of Mannik & Smith Group and Six Mile, LLC, in connection with Petition 2025-07-02-15, removing a condition from the land-use approval requiring access to Fox Drive.

BACKGROUND DETAILS

This item seeks to amend CR #402-25 granted by the City Council on December 17, 2025, in connection with a request to develop an auto-wash establishment, Clean Express Car Wash, located at the northeast corner of Fox Drive and Six Mile Road. Condition #17 of the resolution requires the Petitioner to enter into an agreement with the adjacent landowner to create a vehicular access point to Fox Drive. Multiple attempts have been made to garner the neighbor's approval, without success. At the time the development plans were presented to the Council for consideration, a tentative, verbal agreement was in place. Since then, however, the neighboring landowner has been unresponsive. The site plan showed the access drive, which is referenced in the approving resolution.

Absent the neighbor's cooperation, the Petitioner is asking the Council to replace condition #17 with the following substitute language:

> *Petitioner will use reasonable efforts to obtain access to Fox Drive to the extent access over neighboring property becomes available in the future, and Petitioner will reasonably cooperate with Schoolcraft College and other appropriate governmental authorities so that a traffic signal can be installed at Six Mile Road and Fox Drive/Quakertown Lane.*

The Petitioner will continue to seek the neighbor's approval, but would like to proceed with the project without direct access to Fox Drive, if necessary. Council's approval of this change is instrumental in facilitating the future installation of a traffic signal at the intersection of Six Mile, Fox Drive, and Quakertown. Traffic studies show that a signal at this location will significantly improve turning movements, an important public safety consideration, especially as traffic volumes in this developing area increase. Redeveloping the site includes moving the existing driveway on Six Mile Road further east on the property and modifying the approach to a right-in/right-out configuration. These changes are required for Wayne County to approve the traffic signal.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

Amend CR #402-25

ATTACHMENTS

1. CR #402-25
2. Approved Site Plan
3. S051826 Request to Amend CR 402-25
4. Fox Drive - Engineering Firm Benefits letter
5. Traffic Signal Concept

APPROVED BY

_____ Date:

Mark Taormina, Planning and Economic Development Director

_____ Date:

Maureen Miller Brosnan, Mayor

ADOPTED BY THE LIVONIA CITY COUNCIL AT THE REGULAR MEETING OF December 17, 2025

2025-07-02-15 – Clean Express Car Wash

#402-25 RESOLVED, that having considered the report and recommendation of the Committee of the Whole, dated November 19, 2025, submitted pursuant to Council Resolution 340-25, and a communication from the City Planning Commission, dated August 22, 2025, approved for submission by the Mayor, which transmits its resolution #08-37-2025, adopted on August 19, 2025, with regard to Petition 2025-07-02-15 submitted by Mannik & Smith Group, on behalf of Clean Express Car Wash, requesting waiver use approval to operate an Auto-Wash Establishment, at 38888 Six Mile Road, located at the N.E. corner of Fox Drive and Six Mile Road in the S.W. ¼ of Section 7, the Council does hereby concur in the recommendation made by the City Planning Commission and Petition 2025-07-02-15 is hereby approved and granted, subject to the following conditions:

1. That the Site Plan marked Sheet C200 dated July 9, 2025, as revised and submitted as New Data received for the Regular Meeting of November 5, 2025, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

2. That the Demolition Plan marked Sheet C101 dated July 9, 2025 as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to;

3. That the Landscape Plan marked Sheets L100 and L101 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

4. That the Photometric Plan marked Sheets C600 dated July 9, 2025, as revised, prepared by Mannick Smith Group is hereby approved and shall be adhered to, except as may be modified below;

5. The Exterior Elevations Plan, identified as A2-1, dated August 11, 2025, as revised and submitted as New Data received for the Regular Meeting of November 5, 2025, prepared by SBA Studios, is approved and shall be adhered to except the south elevation, which shall be enhanced to the satisfaction of the Planning Director;

6. The hours of operation shall be limited to the following:

Monday through Saturday from 7:00 a.m. to 8:00 p.m. and Sunday from 8:00 a.m. to 7:00 p.m.;

7. All light fixtures shall not exceed a height of twenty feet (20') and shall be aimed and shielded to minimize stray light trespassing across property lines and glaring onto adjacent roadways. All exterior lights shall be turned off or dimmed between 8:00 p.m. and 7:00 a.m.;

8. Underground sprinklers shall be installed for all landscaped and sodded areas. All planted materials shall be installed to the satisfaction of the Inspection Department and permanently maintained in a healthy condition;

9. All disturbed lawn areas, including road rights-of-way, shall be sodded instead of hydroseeding;

10. The three walls of the trash dumpster area shall be constructed out of building materials that complement the building, and the enclosure gates shall consist of opaque and durable steel or composite panels;

11. That a detailed Stormwater Detention plans are submitted to the Engineering Department before construction;

12. Only conforming signage is approved with this petition, and any additional signage shall be separately submitted for review and approval by the Zoning Board of Appeals;

13. No exposed LED light band or neon shall be permitted on this site, including, but not limited to, the building or around the windows;

14. The car wash bay lights shall be shut off when closed;

15. Unless approved by the Inspection Department, any type of exterior advertising, such as promotional flags, streamers, or sponsor vehicles designed to attract the attention of passing motorists, shall be prohibited;

16. That sidewalks be added to the site to the satisfaction of the Engineering Division;

17. Approval is contingent upon the Petitioner entering into an agreement with the owners of the adjacent commercial property to the west, allowing the Petitioner access to Fox Drive, and the

installation of a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane;

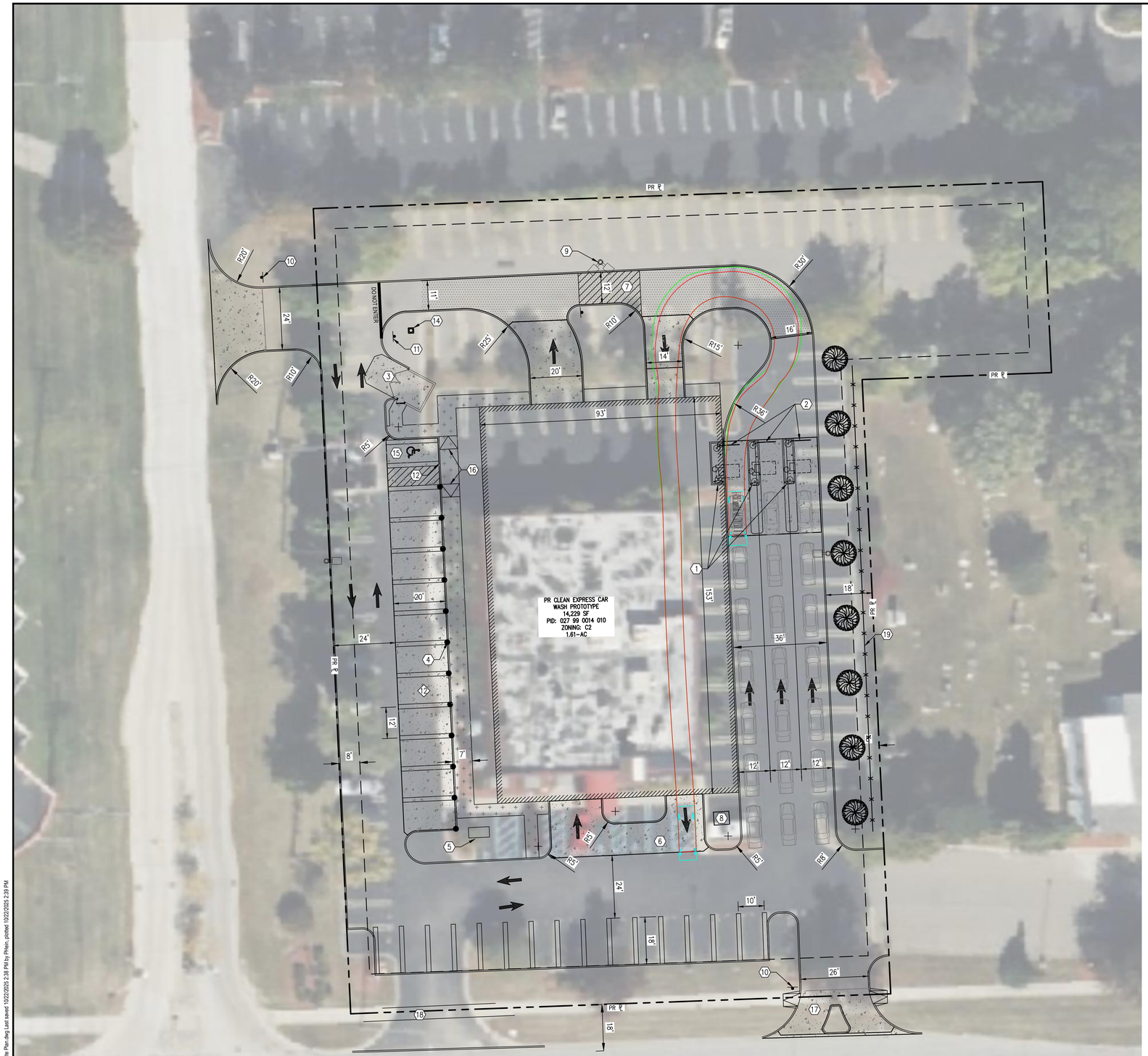
18. The petitioner is encouraged to work with the Historic Preservation Commission on the location and type of fence bordering the cemetery;

19. All parking spaces, except the required handicapped spaces, shall be doubled striped at ten feet (10') wide by twenty feet (20') in length as required;

20. Ingress and egress to Six Mile Road shall be restricted to right-in and right-out configuration;

21. The plans referenced in this approving resolution shall be submitted to the Inspection Department with the building permit application(s); and

22. Per Section 13.13 of the Livonia Zoning Ordinance, this approval is valid for one (1) year from the date of approval by the City Council. Unless a building permit is obtained, this approval shall be null and void after the one (1) year period.

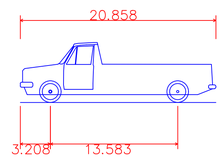


LEGEND

- EX CONCRETE CURB
- PR CONCRETE CURB
- PR ℄ PR PROPERTY LINE
- PR ASPHALT PAVEMENT
- PR CONCRETE PAVEMENT
- PR 5' SIDEWALK
- ⟨12⟩ PARKING COUNT

CODED NOTES

1. PAY STATION (TYP OF 3)
2. CLEARANCE BAR (TYP OF 3)
3. 8" CONCRETE DUMPSTER PAD
4. VACUUM STATION (TYP OF 12)
5. VACUUM CORRELATOR (TYP. OF 2)
6. HEATED CONCRETE PAVEMENT
7. ESCAPE LANE
8. TRANSFORMER PAD
9. LIGHT POLE
10. STOP SIGN
11. DO NOT ENTER SIGN
12. FLUSH WALK AND PAVEMENT
13. 18" STRAIGHT CONCRETE CURB
14. FLAGPOLE
15. ADA PARKING SPACE
16. RAMP
17. CURB CUT
18. 5' CONCRETE WALK
19. PR 8' DECORATIVE VINYL FENCE



F-150 SuperCab 4x4 STYLESIDE 8' Box

Overall Length	20.858ft
Overall Width	6.575ft
Overall Body Height	6.392ft
Min Body Ground Clearance	0.833ft
Track Width	6.575ft
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	26.150ft

NO.	DATE	BY	DESCRIPTION

1160 DUBLIN ROAD
SUITE 100
COLUMBUS, OH 43215
TEL: 614.441.4222
FAX: 888.488.7340

PROJECT DATE: 07/09/2025
PROJECT NO: 2500286
DRAWN BY: HTK/JAR
CHECKED BY: ESP

Mannik Smith GROUP
TECHNICAL SKILL. CREATIVE SPIRIT.
www.MannikSmithGroup.com

PREPARED FOR:
EXPRESS WASH CONCEPTS
13375 NATIONAL ROAD SW
ETNA, OHIO 43068

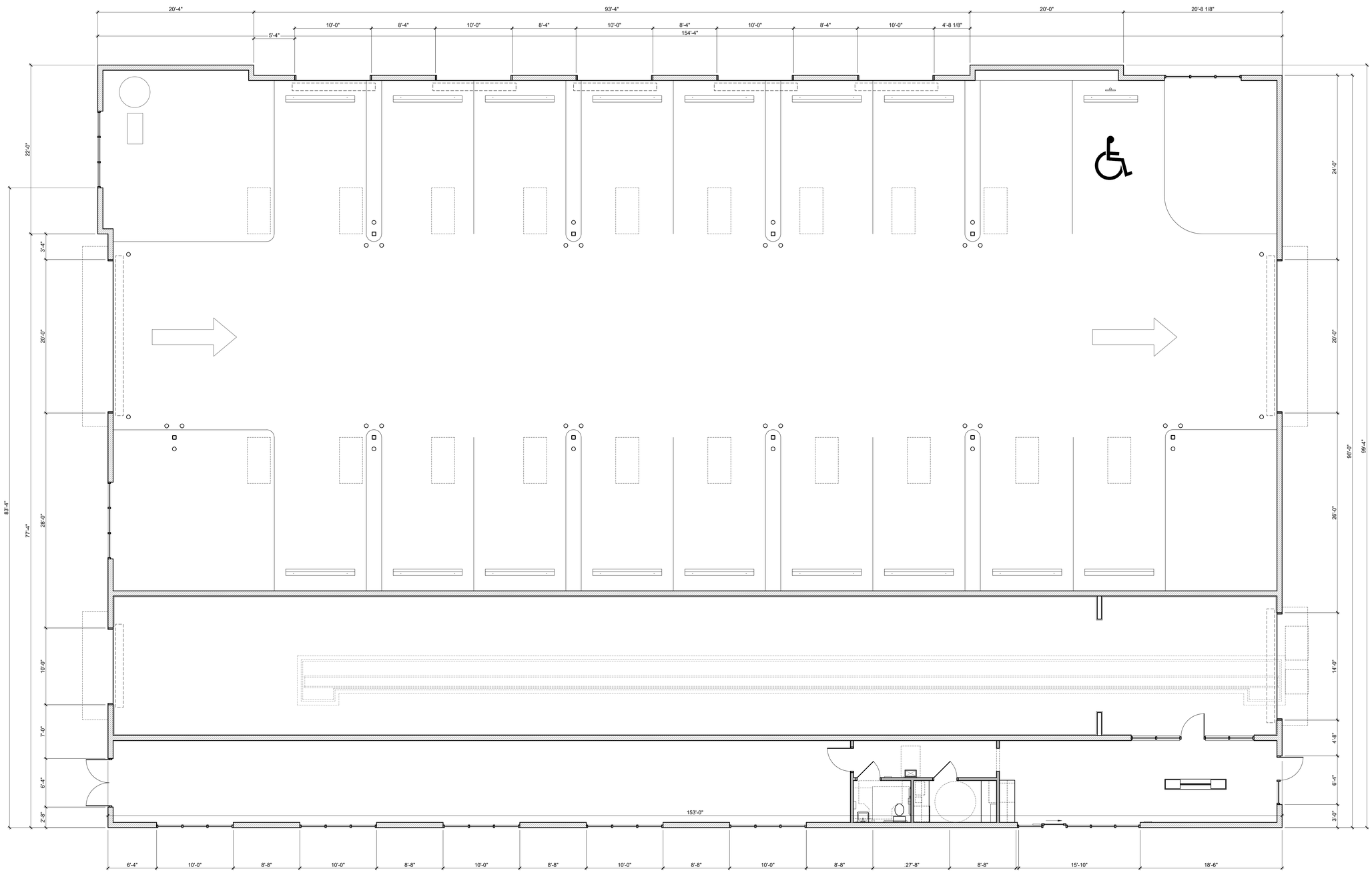
SITE IMPROVEMENT PLAN FOR
CLEAN EXPRESS AUTO WASH
38888 SIX MILE RD, LIVONIA, MI 48152

SITE PLAN

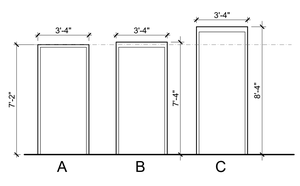
C200

W:\Projects\2025\200-399\2500286\CAD\SHTS\2500286_C00X_Site Plan.dwg Last saved 10/22/2025 2:38 PM by PHein, plotted 10/22/2025 2:39 PM

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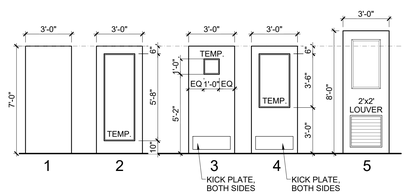


5 FLOOR PLAN



SCALE: 1/4" = 1'-0"

4 DOOR FRAMES



SCALE: 1/4" = 1'-0"

3 DOOR ELEVATIONS

2 DOOR SCHEDULE

DOOR								FRAME		
NO.	ROOM NAME	SIZE	ELEV	MAT	RATING	GLASS	HDWR	ELEV	MAT	REMARKS
1.01	STAFF	3070	01	H.M.	0-HR	N/A	SET 01	A	H.M.	
1.02	CLOSET	3070	01	H.M.	0-HR	N/A	SET 02	A	H.M.	
1.03	OFFICE	(3) 3070	02	ALUM.	0-HR	TEMP	SET 05	B	ALUM.	CLOSER
1.04	UNISEX	3070	01	H.M.	0-HR	N/A	SET 03	A	H.M.	
1.05A	MECHANICAL	3070	04	H.M.	0-HR	N/A	SET 04	A	H.M.	
1.05B	MECHANICAL	(2) 3080	05	H.M.	0-HR	N/A	SET 05	C	H.M.	
1.05C	MECHANICAL	3070	02	ALUM.	0-HR	N/A	SET 04	B	ALUM.	
1.06	WASH BAY	3070	04	H.M.	0-HR	N/A	SET 04	B	H.M.	CLOSER
1.07A	VACUUMS	3070	01	H.M.	0-HR	N/A	SET 04	B	H.M.	CLOSER
1.07B	VACUUMS	3070	04	H.M.	0-HR	N/A	SET 05	B	H.M.	CLOSER

DOOR GENERAL NOTES

1. ALL DOOR HARDWARE TO BE ANSI COMPLIANT LEVER STYLE
2. ALL DOOR HARDWARE TO BE MOUNTED BETWEEN 34" - 48" A.F.F.
3. ALL GLAZING IN NEW DOORS TO BE TEMPERED
4. ALL DOORS TO RECEIVE (3) HINGES
5. ALL DOORS TO RECEIVE (3) SILENCERS
6. ALL DOORS TO RECEIVE DOOR STOP
7. ALL EXTERIOR DOORS TO RECEIVE CLOSER
8. ALL EXTERIOR DOORS TO HAVE ANIS COMPLIANT THRESHOLD (1/4" MAX)
9. ALL EGRESS DOORS SHALL UNLATCH WITH ONLY ONE OPERATION OF THE DOOR HARDWARE, READILY OPERABLE FROM EGRESS SIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. 2021 MBC 1010.1.9/1010.1.9.1/1010.1.9.5.

DOOR HARDWARE SETS

SET 01: OFFICE LOCKSET
SET 02: STORAGE LOCKSET
SET 03: PRIVACY LOCKSET
SET 04: PASSAGE LOCKSET
SET 05: EXIT LOCKSET
SET 06: PUSH / PULL

KEY ALL DOORS ALIKE

1 FINISH SCHEDULE

SPACE		FLOOR		WALLS				CLG	
NO.	ROOM NAME	MAT	BASE	NORTH	EAST	SOUTH	WEST	MAT	REMARKS
1.01	STAFF	WD	VB	PT-1	PT-1	PT-1	PT-1	GYP	
1.02	CLOSET	WD	VB	PT-1	PT-1	PT-1	PT-1	GYP	
1.03	OFFICE	WD	VB	PT-1	PT-1	PT-1	PT-1	NO	PAINT BAR JOISTS & ROOF DECK
1.04	UNISEX	WD	VB	PT-1	PT-1	PT-1	WL	GYP	6" VINYL BASE
1.05	EQUIPMENT	CONC	NO	PT-2	PT-2	PT-2	PT-2	NO	PAINT BAR JOISTS & ROOF DECK
1.06	WASH BAY	CONC	NO	WL	WL	WL	WL	NO	PAINT BAR JOISTS & ROOF DECK
1.07	VACUUMS	CONC	NO	PT-2	PT-2	PT-2	PT-2	NO	PAINT BAR JOISTS & ROOF DECK

FLOORING

WD SIM WOOD FLR
NO NO FLOORING

SIM WOOD FLOOR = AXISCOR PRO12 12x24 URBAN CONCRETE

BASE

VB VINYL BASE
NO NO BASE

WALLS

PT-1 WHITE PAINT
PT-2 BLONDE PAINT SW 6128
WL WALL LINER PANEL
NO NO FINISH

CEILING

GYP GYPSUM BOARD CEILING
WL WALL LINER
NO NO CEILING

FLOOR PLAN CODED NOTES

1. WALL MOUNTED FIRE EXTINGUISHER. EXTINGUISHER TO BE: RED ENEMELED FINISH HEAVY DUTY STEEL CYLINDER. UL AND FM APPROVED. ABC MULTI PURPOSE DRY CHEMICAL, 10 LB CAPACITY UL RATED 4A 60B: C, HOSE TYPE, UPRIGHT, SQUEEZE GRIP OPERATION
2. INTERIOR WALL LINER PANEL, TYP. @ WASH BAY
3. 14'-0" x 8'-0" OVERHEAD DOOR
4. 10'-0" x 8'-0" OVERHEAD DOOR
5. 20'-0" x 8'-0" OVERHEAD DOOR
6. CAR WASH TRENCH, SEE MANUFACTURER'S DRAWINGS
7. DECORATIVE AWNING, CENTER OVER WINDOWS / DOORS
8. DEDICATED COMMERCIAL GRADE SINK FOR UTILITY SINK
9. ANSI COMPLIANT WATER BOTTLE FILLER
10. 12" DEEP SHELVING W/ STANDARDS AND BRACKETS
11. WIND WALL, P.T. 2x6 WALL W/ 7/16" OSB SHEATHING & LINER PANEL BOTH SIDES. BUILD WALL TO BOTTOM OF BAR JOISTS.
12. TIRE SHINE GRATE, COORDINATE W/ EQUIPMENT SHOP DRAWINGS.
13. UNDER COUNTER REFRIGERATOR
14. SERVER RACK, SEE SHEET A5-1
15. NOT USED
16. ALUMINUM STOREFRONT SYSTEM, SEE EXTERIOR ELEVATIONS, PROVIDE 1" INSULATED GLASS
17. CORRULATOR, SEE EQUIPMENT SHOP DRAWINGS
18. ANSI COMPLIANT STAFF DESK, SEE A5-1
19. PROVIDE 2 1/2" METAL Z-FURRING STRIPS @ 24" HORIZONTAL W/ MIN R-13 RIGID INSULATION IN FURRING CAVITIES W/ 5 MIL VAPOR BARRIER
20. ANSI COMPLIANT SIGNAGE DESIGNATING UNISEX TOILET ROOM, SEE A5-1
21. COFFEE MAKER, SEE INTERIOR ELEVATION
22. MICROWAVE, SEE INTERIOR ELEVATION
23. ANSI COMPLIANT STACKABLE WASHER / DRYER
24. ANSI COMPLIANT SIGNAGE DESIGNATING MAXIMUM OCCUPANCY OF 24 PERSONS
25. QUIK-BRIK MASONRY CONSTRUCTION, TYP @ EXTERIOR WALLS.
26. ANSI COMPLIANT EXIT SIGNAGE, SEE A5-1
27. STORAGE CABINETRY BY OWNER.
28. 8" CMU WALL
29. ROOF ACCESS LADDER, CENTER BELOW ROOF HATCH ABOVE, SEE DETAIL ON A5-1
30. 30"x30" CLEAR LANDING SPACE, CENTERED ON LADDER
31. INSTALL SMOOTH, HARD, NON ABSORBANT FRP PANEL, SIM. TO WASH BAY LINER PANEL, FULL HEIGHT OVER THIS WALL.
32. PRODUCT DISPLAY RACK PROVIDED BY OWNER.
33. VACUUM EQUIPMENT.
34. SKYLIGHT ABOVE.
35. 6" CONCRETE FILLED PIPE BOLLARD.
36. PRECAST CONC. PARKING WHEEL STOP.
37. ACCESSIBLE PARKING SIGNAGE.
38. VAN ACCESSIBLE PARKING STALL PER ANSI SECTION 502, ANSI COMPLIANT VACUUM TO BE PROVIDED AT THIS STALL.
39. 8'-0" WIDE AISLE SPACE MARKED SO AS TO DISCOURAGE PARKING WITHIN IT FOR VAN ACCESSIBLE PARKING PER ANSI 502.2 THROUGH 502.4.4.

WALL LEGEND

NEW STUD WALL
NEW 8" FOUNDATION WALL

WALL TYPES SCHEDULE

#	ASSEMBLY DESCRIPTION	HR	NOTES
3B	3 5/8" METAL STUDS, @ 16" O.C. 5/8" GYP BD -3" SOUND BATT	0 HR	PARTIAL HEIGHT PARTITION, TERMINATE GYPSUM BOARD 6" ABOVE FINISH CEILING. BRACE PARTITION TO DECK. ASSEMBLY THICKNESS = 4 7/8"
3C	3 5/8" METAL STUDS, @ 16" O.C. 5/8" TYPE 'X' GYP BD	1 HR	FULL HEIGHT PARTITION, TERMINATE GYPSUM BOARD @ MEZZANINE DECKING. BRACE PARTITION TO DECK. ASSEMBLY THICKNESS = 4 7/8"

#	DATE	ISSUED WITH: CHANGE DESCRIPTION

CLEAN EXPRESS CAR WASH
38888 SIX MILE ROAD
LIVONIA, MI 48152

CLEAN
EXPRESS AUTO WASH

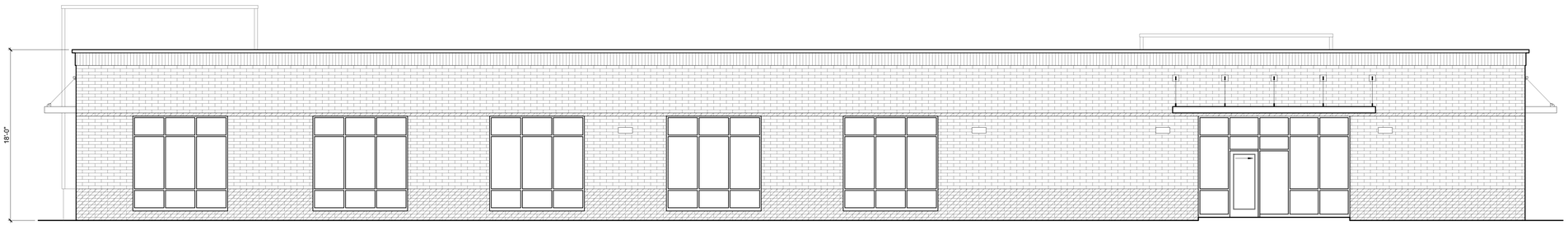
SBA STUDIOS
ARCHITECTURAL DESIGN
614.562.7761 WWW.SBA-STUDIOS.COM

PRELIMINARY NOT FOR CONSTRUCTION

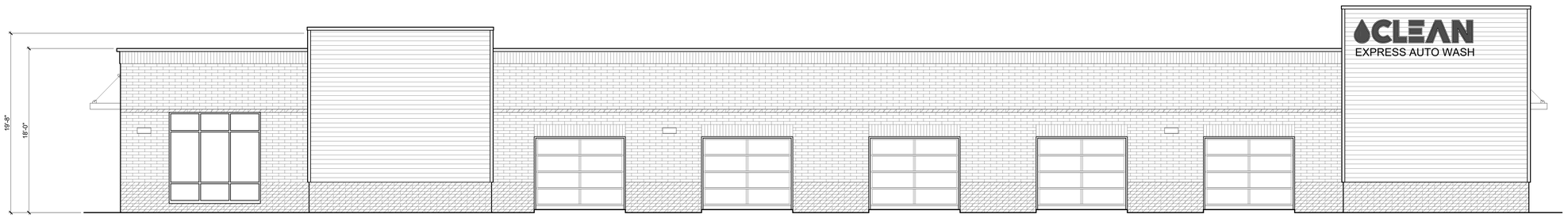
SCOTT D BAKER
LICENSE #1301072033
EXPIRATION DATE 08/05/2026

SCALE: 3/16" = 1'-0" (U.N.O.)
SHEET # / DESCRIPTION
FLOOR PLAN
A1-1
DATE: 08.11.2025
PLANNING COMMISSION
SBA STUDIOS PROJECT # 2025-371

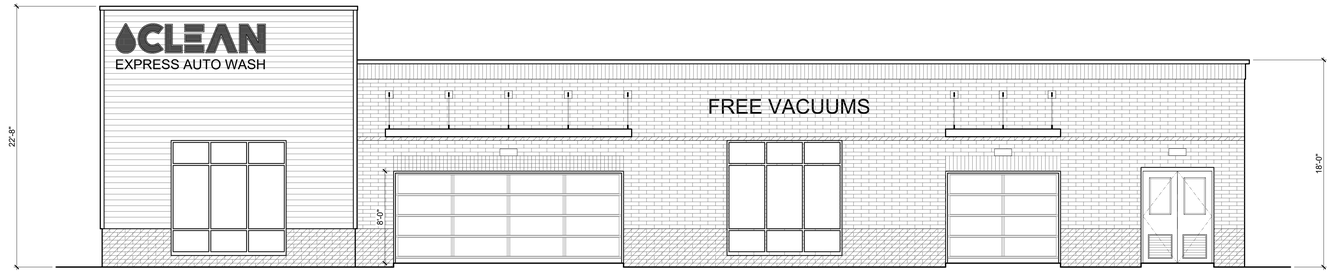
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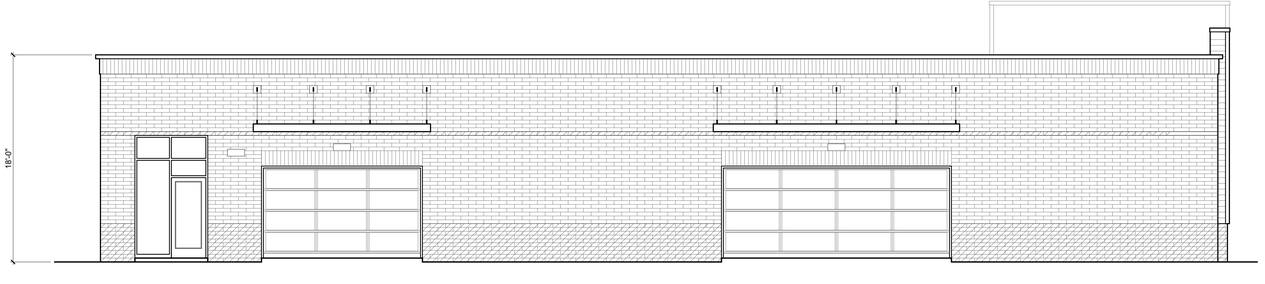
4 SIDE (EAST) ELEVATION



3 SIDE (WEST) ELEVATION



2 REAR (SOUTH) ELEVATION



1 ENTRY (NORTH) ELEVATION

ELEVATION CODED NOTES

1. ALUMINUM STOREFRONT GLAZING SYSTEM. MANUFACTURER TO DESIGN FOR WIND LOAD REQUIREMENTS PER CODE
2. QUIK-BRIK CMU CONSTRUCTION, SEE MATERIALS LEGEND. INSTALL CONTROL JOINTS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS
3. CONTINUOUS METAL COPING, TYP.
4. 5" SQUARE METAL DOWNSPOUT
5. OVERHEAD DOOR
6. SIGNAGE PROVIDED BY OWNER.
7. 1x4 COMPOSITE CORNER TRIM, TYP.
8. GRADE, COORDINATE W/ CIVIL DRAWINGS.
9. PRE-MANUFACTURED ALUMINUM AWNING. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
10. NICHIHA FIBER CEMENT AWP181 HORIZONTAL SIDING.
11. MASONRY BAND IN DARK FINISH TO MATCH BASE OF WALL
12. DECORATIVE LIGHT FIXTURE

ELEVATION MATERIAL LEGEND

- QUIK-BRIK (LIGHT FINISH)
- QUIK-BRIK (DARK FINISH)
- NICHIHA FIBER CEMENT AWP181 HORIZONTAL SIDING

EXTERIOR MATERIAL NOTES:
1. COLOR OF METAL COPING TO MATCH STOREFRONT SYSTEM COLOR

#	DATE	ISSUED WITH: CHANGE DESCRIPTION

CLEAN EXPRESS CAR WASH
38888 SIX MILE ROAD
LIVONIA, MI 48152

CLEAN
EXPRESS AUTO WASH

SBA STUDIOS
ARCHITECTURAL DESIGN
614.562.7761 WWW.SBA-STUDIOS.COM

PRELIMINARY NOT FOR CONSTRUCTION

SCOTT D. BAKER
LICENSE #1301072033
EXPIRATION DATE 08/05/2026

SCALE: 3/16" = 1'-0" (U.N.O.)	
SHEET # / DESCRIPTION	
EXTERIOR ELEVATIONS	
A2-1	
DATE: 08.11.2025	
PLANNING COMMISSION	
SBA STUDIOS PROJECT # 2025-371	

FAUSONE & GRYSKO, PLC
ATTORNEYS AT LAW

VIA EMAIL

May 5, 2026

The Honorable Members of the City Council
City of Livonia
33000 Civic Center Drive
Livonia, MI 48154

RE: Request to Amend Resolution # 402-25

Dear Honorable Members of the Livonia City Council:

I write on behalf of the Mannik & Smith Group and 38888 Six Mile LLC (the Petitioners) to request that CR # 402-25 be amended to remove the following condition from the land-use approval:

> Approval is contingent upon the Petitioner entering into an agreement with the owners of the adjacent commercial property to the west, allowing the Petitioner access to Fox Drive, and the installation of a traffic signal at Six Mile Road and Fox Drive/Quakertown Lane.

The resolution as currently written is based on matters outside of the Petitioners' practical ability to control and does not specify a time for completion of the listed conditions, resulting in uncertainty of the development team's ability to proceed.

That said, the Petitioners are committed to the success of this project and the safety and welfare of the general public. The Petitioners will, therefore, continue to work in good faith with Schoolcraft College and other governmental authorities to facilitate the installation of the traffic signal at Fox Drive and Six Mile. Petitioners will also continue their efforts and dialogue with the City and the adjacent property owner to obtain a direct access point to Fox Drive in the future. The development team would be agreeable to the following as a site development condition:

> Petitioner will use reasonable efforts to obtain access to Fox Drive to the extent access over neighboring property becomes available in the future, and Petitioner will reasonably cooperate with Schoolcraft College and other appropriate governmental authorities so that a traffic signal can be installed at Six Mile Road and Fox Drive/Quakertown Lane.

Please place this request on the next available City Council agenda.

Thank you for your courtesies in this matter.

Very truly yours,

FAUSONE & GRYSKO PLC

Brandon M. Grysko

Brandon M. Grysko
Managing Partner

cc: Mark Taormina, Planning & Economic Development Director (mtaormina@livonia.gov)
Sara Kasprowicz, Program Supervisor, City Council Office (skasprowicz@livonia.gov)
Lori Miller, Livonia City Clerk (lmiller@livonia.gov)
Rob Doeher, 38888 Six Mile LLC
Dennis Miller, Mannik & Smith Group
Jeff Horka, MASCO Director of Real Estate Services

HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

555 Hulet Drive
Bloomfield Hills, MI 48302-0360

248-454-6300

www.hrcengr.com

October 25, 2023

Schoolcraft College
18600 Haggerty Rd
Livonia, MI 48152

Attn: John Wright, Construction Manager
Re: Anticipated Benefits
Six Mile Rd and Fox Dr / Quakertown Ln Traffic Signal

HRC Job No. 20230293

Dear Mr: Wright

The following list provides several anticipated transportation related benefits resulting from the installation of a traffic signal at the intersection of Six Mile Rd and Fox Dr / Quakertown Ln:

- Significant safety improvements related to several factors including but not limited to:
  - Reduce the likelihood of angle crashes, which are among the crash types most likely to result in a fatality or serious injury. There were 8 angle crashes between 2017 to 2021 at this intersection. All 8 angle crashes can be corrected by a traffic signal.
  - Eliminate illegal and unsafe left-turning movements by providing dedicated left-turn lanes and left-turn signal timing phases. On a typical day, approximately 450 vehicles exit Fox Dr. Of these, 150 vehicles or 33 percent perform an illegal and unsafe SB left-turn maneuver which poses a considerable safety risk for all motorists. The proposed traffic signal eliminates this risk by providing a dedicated and protected left-turn lane and signal.
  - Improved gaps for all turning movements. On a typical day, approximately 3,500 vehicles perform either a left-turn or right-turn at this intersection. Many, and in particular the left-turners, do not have adequate gaps due to the relatively high traffic volume along Six Mile Rd. A traffic signal improves these gaps by providing dedicated and protected signal timing phases for the minor approaches and left-turning movements.
  - Improve the overall safety of all road users by maintaining safe flow of traffic, especially for all road users on the minor approaches, those performing left-turns, and pedestrians. There were 25 total crashes resulting in 7 injuries and 18 property damages between 2017 to 2021 at this intersection. Of the 25 crashes, 22 or 88 percent can be corrected by a traffic signal.
- Reduced congestion and improved traffic flow of select movements via improved corridor progression and traffic signal timings. This is supported by the results of the March 2023 traffic operations analysis.
- Provide a safe crossing for nonmotorized users wanting to cross Six Mile Rd. Currently, nonmotorized users must cross five lanes of uncontrolled traffic flow along Six Mile Rd. A traffic signal corrects this condition by providing a safe and dedicated pedestrian phase and crossing on Six Mile Rd.

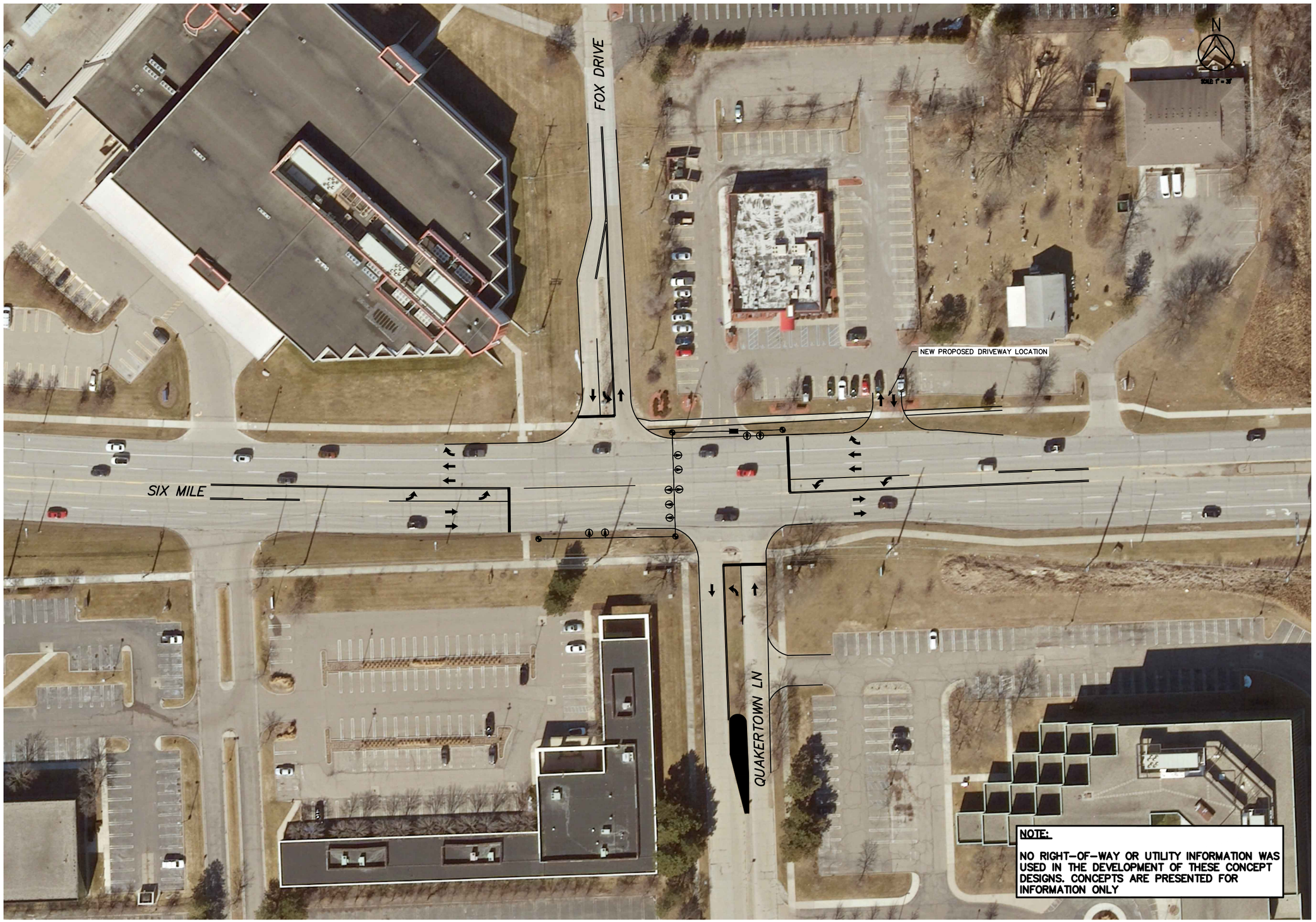
If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Gentjan Heqimi, P.E., PTOE, PTP
Project Engineer

pc: HRC; L. Michaels; File



CITY OF LIVONIA

HRC
HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915
555 HULET DRIVE
BLOOMFIELD HILLS, MICH.
P.O. BOX 824
48303 - 0824
PHONE: (248) 454-6300
FAX (1st. Floor): (248) 454-6312
FAX (2nd. Floor): (248) 454-6359
WEB SITE: http: // www.hrcengr.com

10/25/2023	ISSUED FOR INFORMATION ONLY
DESIGNED	GH
DRAWN	HFA
CHECKED	
APPROVED	

CITY OF LIVONIA

SCHOOLCRAFT TIS CONCEPTUAL ALTERNATIVES

6 MILE RD
FOX DR & QUAKERTOWN LN
CONCEPT ALTERNATIVE 1
SIGNAL

HRC JOB NO. 20211149	SCALE 1"=40'
DATE October 2023	SHEET NO. 1 OF 5

ORIGINAL PLOT SIZE: ANSI FULL BLEED D (34.00 X 22.00 INCHES)
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10/25/2023 2:05 PM
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Heqimi, Gentjan

CITY OF LIVONIA – CITY COUNCIL
MINUTES OF STUDY MEETING HELD MAY 18, 2026

Meeting was called to order at 8:17 p.m. by President Reid. Present: Robin Persiconi, Martha Ptashnik, Vice President Brockway, Eileen McDonnell, and President Reid. Absent: Carrie Budzinski and Brandon McCullough.

Elected and appointed officials present: Eric Goldstein, Interim City Attorney; Mark Taormina, Planning and Economic Development Director; and Todd Zilincik, City Engineer

17. REQUEST FOR AUTHORIZATION TO PURCHASE ROCK SALT FOR ICE CONTROL: utilizing a cooperative bidding process, for the 2026-2027 and 2027-2028 seasons, with four additional one-year extensions at the approved five percent (5%) per year increase, from budgeted funds.

    Doug Moore, Assistant Director of Public Works, stated the low bidder became unresponsive, so recommendation was made to stick with Detroit Salt, and the City is upping the allotment this year due to harsh winters.

    Motion was made by Vice President Brockway to put the matter on the Regular portion of the next Regular Agenda.

    DIRECTION: APPROVING REGULAR

LETTER TO THE LIVONIA CITY COUNCIL

17.

DPW
April 30, 2026

MEETING DATE	PRESENTED BY
S051826/R060126	Douglas L. Moore, MSA, Assistant Director of Public Works

AGENDA ITEM

REQUEST FOR AUTHORIZATION TO PURCHASE ROCK SALT FOR ICE CONTROL: utilizing a cooperative bidding process, for the 2026-2027 and 2027-2028 seasons, with four additional one-year extensions at the approved five percent (5%) per year increase, from budgeted funds.

BACKGROUND DETAILS

The City of Livonia purchases rock salt through a cooperative bidding process that includes 30 governmental entities in Wayne, Oakland and Macomb counties. The Cooperative has traditionally received lower prices per ton than those received under the State of Michigan Extended Purchasing Program. The Director of Finance requested that the consortium include Livonia's volume of 4,200 tons in this year's request for bids.

This year's bid is for a two-year (2026-2027) period, with an additional one-year extension (2027-2028). The "early fill" unit price is for all salt received before October 1st of each year. The City of Livonia will not take advantage of the early fill quote as our salt facilities are presently filled. The following are the bid results:

City of Livonia @ 4,200 tons annually

Bidder	City/State	2026-2027 Late Fill	2027-2028 Late Fill	2026-2027	2027-2028	GRAND TOTAL
Detroit Salt	Detroit, MI	$70.99/ton	$74.54/ton	$298,158.00	$313,068.00	$611,226.00
Hyer Investments	Wauwastosa, WI	$61.00/ton	$62.50/ton	$256,20000	$262,500.00	$518,700.00

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

It is the recommendation of the Public Works Division that Council proceed as follows:

Authorize the purchase of 100% of the City's rock salt needs from Detroit Salt, 12841 Sanders Street, Detroit, MI 48217 at the unit price of $70.99 per ton for the 2026-2027 season; and at the unit price of $74.54 per ton for the 2027-2028 season. Additionally, we authorize four (4) one-year extensions (through 2032) at the approved five percent per year increase upon mutual consent between the vendor and the City of Livonia.

SPECIFIC NAME OF PRODUCT AND NUMBER TO BE PURCHASED (if more than one)

Rock Salt - 4,200 tons annually

CONTRACT: Amount and/or purchase price and length of contract (with dates if applicable)

2026-2027 $298,158.00
2027-2028 $313,068.00
$611,226.00

Four (4) extensions @ 5% per year
2029 $328,721.40
2030 $345,157.48
2031 $362,415.34
2032 $380,536.11

DETAILED WORK BEING PERFORMED

n/a

FISCAL CONSIDERATIONS (Amount requested and Account(s) used. If applicable, Grant Funding information)

No appropriation is required since funds for rock salt purchases have been, and will continue to be throughout the contract term, budgeted in Account No. 101-463-784-000 in the amounts noted above.

ACCEPTANCE OF BID (Please detail the following: Why accepted, why not lowest bidder, company name, contact person, full address)

The cooperative bidding consortium the City of Livonia participates in has awarded the Rock Salt contract to Detroit Salt. While Hyer had lower pricing, they are a new company and upon review, the vendor has not previously supplied this commodity and was unable to provide any references.

REASON TO WAIVE BID PROCESS (Emergency, Professional services, No advantage to City and why, Consortium package, etc): Consortium Bid

ATTACHMENTS

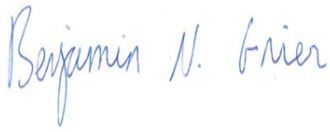
1. Farm Hills - LTC

2. Farm Hills - Rock Salt Award
3. 2026-2028 Rock Salt Quotes

APPROVED BY



Douglas L. Moore, MSA, Assistant Director of Public Works — Date: April 30, 2026



Benjamin N. Grier, JD, CPA, Finance Director — Date: April 30, 2026



Eric Goldstein, City Attorney — Date: April 30, 2026



Maureen Miller Brosnan, Mayor — Date: April 30, 2026

FARMINGTON HILLS Michigan

DEPARTMENT OF CENTRAL SERVICES

April 27, 2026

To: All Interested Vendors

Re: itb-fh-25-26-2570, ROCK SALT FOR SNOW & ICE CONTROL

To whom it may concern:

This correspondence will serve as notice that the aforementioned agreement has been awarded by the Farmington Hills City Council to Detroit Salt Company City Council authorize the City Manager to issue a purchase order to Detroit Salt Company for a not to exceed total of amount of 5,850 tons or $420,089 for fiscal year 2026/27 and for an estimated amount of 5,850 tons or $441,090 for fiscal year 2027/28. In addition, it is recommended that the City Council authorize the City Manager to issue purchase orders for rock salt to Detroit Salt Company for four (4) additional one-year extensions at the approved 5% per year increase upon mutual consent between the City and Detroit Salt Company.

cc: Carly Lindahl

CITY MANAGER'S REPORT TO MAYOR AND COUNCIL

DATE: 04/27/2026

DEPT: DPW

RE: Award of Cooperative Bid - Rock Salt for Snow & Ice Control

ADMINISTRATIVE SUMMARY

- Sealed bids were advertised, distributed on the MITN e-procurement site, publicly opened and read aloud on Tuesday, April 14, 2026, for Rock Salt for Snow & Ice Control. Notification was sent to three hundred and twelve (312) vendors (including seventy-five (75) vendors that hold the classification of minority owned, woman owned, veteran owned, disabled, disadvantaged or service disabled) we received two (2) responses and two (no-bids).

- This bid is a cooperative contract administered by the City of Farmington Hills that includes Berkley, Bloomfield Township, Clawson, Farmington Hills, Lathrup Village, Huron Clinton Metro Parks, Orchard Lake, Rochester, Rochester Hills, Royal Oak., Southfield, Southfield Public Schools, South Lyon, Walled Lake, Wixom, Centerline, Roseville, St. Clair Shores, Sterling Heights, Warren, Grosse Pointe Woods, Livonia, Romulus, Grosse Pointe Shores and Westland. Cooperative bids have proven to be an effective way to reduce costs due to increased volume and consolidation of bid administration. The total quantity of rock salt bid for this solicitation is 58,100 tons per year. The City of Farmington Hills quantity is 4,500 tons.

- Rock Salt continues to be a challenging commodity to procure. Pricing is dictated by fuel prices, weather conditions, weather predictions, supply and demand. The 2025/26 winter season proved especially challenging due to prolonged low temperatures and above-average snowfall.

- Specifications for this bid allow the participating agencies some flexibility in usage. Unlike other Cooperative efforts, agencies can increase or decrease their quantity commitment by 30% during the season and still maintain the contracted price per ton. This successful model helps agencies deal with the fluctuating demand.

- The City is recommending award to Detroit Salt Company. Due to the fluctuating demand due to weather the award recommendation includes the quantity

contingency of 130% of the estimated 4,500-ton usage, for a Not-to-Exceed budget amount of 5,850 tons or $420,089. The City has worked with Detroit Salt Company in the past and they provided excellent service. Their pricing proposal includes rates for Years 1 and 2, along with four (4) additional one-year renewal options, subject to mutual consent.

- The City received a lower bid from Hyer Investments LLC; however, upon review, the vendor has not previously supplied this commodity and was unable to provide any references.

- Funding for Rock Salt is budgeted in the Department of Public Services/DPW Major Road maintenance accounts.

RECOMMENDATION

In view of the above, it is recommended that City Council authorize the Acting City Manager to issue a purchase order to Detroit Salt Company for a not to exceed total of amount of 5,850 tons or $420,089for fiscal year 2026/2027 and for an estimated amount of 5,850 tons or $441,090 for fiscal year 2027/2028. In addition, it is recommended that the City Council authorize the Acting City Manager to issue purchase orders for Rock Salt to Detroit Salt Company for four (4) additional one-year extensions at the approved 5% per year increase upon mutual consent between the City and Detroit Salt Company.

###

Prepared by: Michelle Aranowski, Director of Central Services
Reviewed by Derrick Schueller, DPW Superintendent
Reviewed by: Jacob Rushlow, Director of Public Services
Approved by: Karen Mondora, Acting City Manager

City of Farmington □ills, MI
□id Tabulation
Rock Salt for Snow □ Ice Control
IT□-F□-25-26-2570

Recommend for award

Year 1-2026/27		Oakland Cty 26,700			Macomb Cty 19,250			□ ayne Cty 12,150			Grand Total -All Counties
		Early fill	□ate fill		Early fill	□ate fill		Early fill	□ate fill		
□endor	City/State	□/Ton	□/Ton	Total□late fill□	□/Ton	□/Ton	Total□late fill□	□/Ton	□/Ton	Total□late fill□	
Detroit Salt	Detroit, MI	$68.81	$71.81	$1,917,327.00	$68.84	$71.84	$1,382,920.00	$67.99	$70.99	$862,528.50	$4,162,775.50
Hyer Investments LLC	Wauwatosa, WI	$60.00	$61.00	$1,628,700.00	$60.00	$61.00	$1,174,250.00	$60.00	$61.00	$741,150.00	$3,544,100.00

Year 2-2027/28 Season		Oakland Cty 26,700			Macomb Cty 19,250			□ ayne Cty 12,150			Grand Total -All Counties
		Early fill	□ate fill		Early fill	□ate fill		Early fill	□ate fill		
□endor	City/State	□/Ton	□/Ton	Total□late fill□	□/Ton	□/Ton	Total□late fill□	□/Ton	□/Ton	Total□late fill□	
Detroit Salt	Detroit, MI	$72.25	$75.40	$2,013,180.00	$72.28	$75.43	$1,452,027.50	$71.39	$74.54	$905,661.00	$4,370,868.50
Hyer Investments LLC	Wauwastosa, WI	$61.50	$62.50	$1,668,750.00	$61.50	$62.50	$1,203,125.00	$61.50	$62.50	$759,375.00	$3,631,250.00

GRAND TOTA□ □ID		GRAND TOTA□ YEAR□S 1 □ 2	Discount if increase 80□ guarantee	Discount if decrease120□ guarantee	□lue Dye per ton	Optional Extension □eyond Year 2	Accept P-card	Production Origin □ Delivery	Extendable to other MITN agencies	Exceptions
□endor	City/State									
Detroit Salt	Detroit, MI	$8,533,644.00	$0.00	$0.00	$0.00	5%	No	Detroit/MI	Yes	N/A
Hyer Investments LLC	Wauwastosa, WI	$7,175,350.00	-$1.50	-$0.75	$2.50	3%	Yes	Midwest regional mine (Michigan/Wisconsin Supply Network ASTM D632 Compliant sodium chloride	Yes	N/A

Notification was sent to over 312 vendors. Two □2□□No-□ids were received

Rock Salt

	Price Per Ton		Total for Season		
	2026-2027	2027-2028	2026-2027	2027-2028	Grand Total
troit Salt	$ 70.99	$ 74.54	###########	###########	###########
Hyer	$ 61.00	$ 62.50	###########	###########	###########

EXTENSIONS: 5% Annually

2029	$ 78.27		$ 328,721.40
2030	$ 82.18		$ 345,157.47
2031	$ 86.29		$ 362,415.34
2032	$ 90.60		$ 380,536.11

LETTER TO THE LIVONIA CITY COUNCIL

19.

Law
May 19, 2026

MEETING DATE	PRESENTED BY
R060126/R061526	Eric Goldstein, City Attorney

AGENDA ITEM

PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 040 of Title 13, Chapter 08 (Water Services Rates and Revenues) to provide for changes in the water service consumption rates to become effective with the first billing on or after July 1, 2026.

BACKGROUND DETAILS

At your study meeting of May 18, 2026, you referred the preparation of an ordinance amendment to Section 13.08.040 of the Livonia Code of Ordinances, to the Department of Law for submission to Council. This ordinance amendment reflects the requested changes to the water consumption rates.

Accordingly, this proposed amendment is hereby submitted for your consideration and possible adoption.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

First Read

ATTACHMENTS

1. 13.08.040 - 2026

APPROVED BY



Eric Goldstein, City Attorney — Date: May 19, 2026



Maureen Miller Brosnan, Mayor — Date: May 21, 2026

AN ORDINANCE AMENDING SECTION 040 OF TITLE 13, CHAPTER 08 (WATER SERVICE RATES AND REVENUES) OF THE LIVONIA CODE OF ORDINANCES, AS AMENDED.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 040 of Title 13, Chapter 08 the Livonia Code of Ordinances, as amended, is hereby amended to read as follows:

13.08.040 Consumption rates. Effective with the first billing on and after July 1, 2025~~5~~6, water use will be charged at the following rates:

CHARGE DESCRIPTION	AMOUNT PER 100 CUBIC FEET
Base Charge	
GLWA per 100 cubic feet of water used	$ ~~2.85~~3.36
City of Livonia per 100 cubic feet of water used	$ ~~1.06~~0.86
Use Charge per 100 cubic feet of water used	$ ~~3.91~~4.22
Large User (meters sizes 1.5 inch or larger)	
Charge per 100 cubic feet of water used	$ 1.~~40~~71
Total Use Charge for Large Users per 100 cubic feet of water used	$ 5.~~31~~93

Rates presently established shall continue for bills issued before July 1, 2025~~5~~6.

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

_____

LETTER TO THE LIVONIA CITY COUNCIL

20.

Law
May 19, 2026

MEETING DATE	PRESENTED BY
R060126/R061526	Eric Goldstein, City Attorney

AGENDA ITEM

PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 050 of Title 13, Chapter 08 (Water Service Rates and Revenues) to provide changes in the water service consumption rates to become effective with the first billing on or after July 1, 2026.

BACKGROUND DETAILS

At your study meeting of May 18, 2026, you referred the preparation of an ordinance amendment to Section 13.08.050 of the Livonia Code of Ordinances, to the Department of Law for submission to Council. This ordinance amendment reflects the requested changes to the water consumption rates.

Accordingly, this proposed amendment is hereby submitted for your consideration and possible adoption.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

First Read

ATTACHMENTS

1. 13.08.050 - 2026

APPROVED BY

Eric Goldstein, City Attorney — Date: May 19, 2026

Maureen Miller Brosnan, Mayor — Date: May 21, 2026

AN ORDINANCE AMENDING SECTION 050 OF TITLE 13, CHAPTER 08 (WATER SERVICE RATES AND REVENUES) OF THE LIVONIA CODE OF ORDINANCES, AS AMENDED.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 050 of Title 13, Chapter 08 the Livonia Code of Ordinances, as amended, is hereby amended to read as follows:

13.08.050 Fixed rates. A. In addition to the charge for water usage, effective with the first billing on and after July 1, 2025~~5~~6, there will be a fixed quarterly charge, determined by meter size, as follows:

METER SIZE	QUARTERLY CHARGE
5/8 Inch	$ 28.0~~5~~73
3/4 Inch	$ 28.0~~5~~73
1 Inch	$ 28.0~~5~~73
1 1/2” Meter	$ 8~~4.10~~6,11
2” Meter	$ 1~~07.94~~10.53
3” Meter	$ 14~~1.83~~5.23
4” Meter	$ 2~~16.72~~21.92
6” Meter	$ 5~~77.37~~91.21
8” Meter	$ 1,6~~35.46~~74.67
10” Meter	$ 4,~~714.35~~827.37

B. Seasonal Flat rate Water, per quarter $ 1~~06.25~~13.13.

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

_____

LETTER TO THE LIVONIA CITY COUNCIL

21.

Law
May 19, 2026

MEETING DATE	PRESENTED BY
R060126/R061526	Eric Goldstein, City Attorney

AGENDA ITEM

PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 050 of Title 13, Chapter 28 (Industrial Waste Surcharge) to provide for changes in the industrial waste surcharge rate to become effective with the first billing on or after July 1, 2026.

BACKGROUND DETAILS

At your study meeting of May 18, 2026, you referred the preparation of an ordinance amendment to Section 13.28.050 of the Livonia Code of Ordinances, to the Department of Law for submission to Council. This ordinance amendment reflects the requested changes to the water consumption rates.

Accordingly, this proposed amendment is hereby submitted for your consideration and possible adoption.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

First Read

ATTACHMENTS

1. 13.28.050 - 2026

APPROVED BY

Eric Goldstein, City Attorney — Date: May 19, 2026

Maureen Miller Brosnan, Mayor — Date: May 21, 2026

AN ORDINANCE AMENDING SECTION 050 OF TITLE 13, CHAPTER 28 (INDUSTRIAL WASTE SURCHARGE) OF THE LIVONIA CODE OF ORDINANCES, AS AMENDED.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 050 of Title 13, Chapter 28 the Livonia Code of Ordinances, as amended, is hereby amended to read as follows:

13.28.050 Schedule of charges. Industrial waste pollutant strength surcharges are adopted herein, made effective with the first billing on and after July 1, 2025~~5~~6, for users of the wastewater system of the City of Livonia, and are to be computed as follows:

Computation of Industrial Waste Pollutant Strength Surcharge

The industrial waste pollutant strength surcharge shall be computed in accordance with the following formula:

SC = 0.0624 V [a (BOD-275) + b (TSS-350) + c (P-12) + d (FOG-100)]

Where:

SC	=	Pollutant strength surcharge fee in dollars for the billing period.
V	=	Volume of waste discharged in the billing period in Mcf (1,000 cubic feet).
BOD	=	Five-day biochemical oxygen demand of the waste expressed in milligrams per liter (ppm).
TSS	=	Total suspended solids in the waste expressed in milligrams per liter (ppm).
P	=	Phosphorus in the waste expressed in milligrams per liter (ppm).
FOG	=	Fats, oils, and grease in the waste expressed in milligrams per liter (ppm).

a, b, c, d	=	Surcharge rates in dollars/pound for treating BOD, TSS, P and FOG, respectively.
0.624	=	Factor which converts Mcf to MM lbs.
a	=	dollars/pound for treating BOD = $ 0.40927/pound greater than 275 mg/l.
b	=	dollars/pound for treating TSS = $ 0.54872/pound greater than 350 mg/l.
c	=	dollars/pound for treating P = $ 7.9078.249/pound greater than 12 mg/l.
d	=	dollars/pound for treating FOG = $ 0.1317/pound greater than 100 mg/l.

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

LETTER TO THE LIVONIA CITY COUNCIL

22.

Law
May 19, 2026

MEETING DATE	PRESENTED BY
R060126/R061526	Eric Goldstein, City Attorney

AGENDA ITEM

PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: to Section 120 of Title 13, Chapter 20 (Livonia Sewage Disposal System) to provide for changes to the sewer disposal and maintenance rates to become effective with the first billing on or after July 1, 2026.

BACKGROUND DETAILS

At your study meeting of May 18, 2026, you referred the preparation of an ordinance amendment to Section 13.20.120 of the Livonia Code of Ordinances, to the Department of Law for submission to Council. This ordinance amendment reflects the requested changes to the water consumption rates.

Accordingly, this proposed amendment is hereby submitted for your consideration and possible adoption.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

First Read

ATTACHMENTS

1. 13.20.120 - 2026

APPROVED BY



Eric Goldstein, City Attorney — Date: May 19, 2026



Maureen Miller Brosnan, Mayor — Date: May 21, 2026

AN ORDINANCE AMENDING SECTION 120 OF TITLE 13, CHAPTER 20 (LIVONIA SEWAGE DISPOSAL SYSTEM) OF THE LIVONIA CODE OF ORDINANCES, AS AMENDED.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 120 of Title 13, Chapter 20 the Livonia Code of Ordinances, as amended, is hereby amended to read as follows:

13.20.120 Disposal and maintenance rates (sewer). A. Effective with the first billing on and after July 1, 2025~~5~~6, the fixed quarterly charge for sewage system maintenance, determined by water meter size, shall be as follows:

METER SIZE	QUARTERLY CHARGE
5/8 Inch	$ 4~~5.20~~4.52
3/4 Inch	$ 4~~5.20~~4.52
1 Inch	$ 4~~5.20~~4.52
1 1/2" Meter	$ 13~~5.48~~3.47
2" Meter	$ 17~~3.90~~1.31
3" Meter	$ 22~~8.50~~5.10
4" Meter	$ 34~~9.15~~3.95
6" Meter	$ 9~~30.17~~16.33
8" Meter	$ 2,~~634.81~~595.60
10" Meter	$ 7,~~595.04~~482.02

B. 1. In addition to the fixed quarterly maintenance charge, effective with the first billing on and after July 1, 2025~~5~~6, there will be a charge for sewage system use, which shall be assessed at the following rates:

Base Charge	
Wayne County per 100 cubic feet of water used	$ ~~2.56~~3.14
City of Livonia per 100 cubic feet of water used	$ ~~1.06~~0.86
Base Charge per 100 cubic feet of water used	$ ~~3.62~~4.00
Large User (meters sizes 1.5 inch or larger)	
Charge per 100 cubic feet of water used	$ 2.~~26~~5
Total Charge for Large Users per 100 cubic feet of water used	$ ~~5.87~~6.65

2. For each dwelling unit with an unmetered water

supply, there shall be a flat quarterly sewage system charge of: $ 1~~17.60~~24.52

3. Users other than single-family and two-family residential shall be subject to monthly Industrial Waste Control Meter Charges, determined by meter size, in the following amounts:

METER SIZE	MONTHLY INDUSTRIAL WASTE CONTROL CHARGE
5/8 Inch	$ ~~3.89~~4.06
3/4 Inch	$ ~~5.84~~6.09
1 Inch	$ ~~9.73~~10.15
1 1/2" Meter	$ 2~~1.40~~2.33
2" Meter	$ 3~~1.12~~2.48
3" Meter	$ 5~~6.41~~8.87
4" Meter	$ ~~77.80~~81.20
6" Meter	$ 1~~16.70~~21.80
8" Meter	$ ~~194.50~~203.00
10" Meter	$ 2~~72.30~~84.20
12" Meter	$ 3~~11.20~~24.80
14" Meter	$ ~~389.00~~406.00
16" Meter	$ 4~~66.80~~87.20
18" Meter	$ 5~~44.60~~68.40
20" Meter	$ 6~~22.40~~49.60
24" Meter	$ 7~~00.20~~30.80
30" Meter	$ ~~778.00~~812.00

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

LETTER TO THE LIVONIA CITY COUNCIL

23.

Law
May 19, 2026

MEETING DATE	PRESENTED BY
R060126/R061526	Eric Goldstein, City Attorney

AGENDA ITEM

PROPOSED AMENDMENT TO THE LIVONIA CODE OF ORDINANCE, AS AMENDED: Section 130 of Title 13, Chapter 20 (Livonia Sewage Disposal System) to provide for changes to the special rates for designated uses to become effective with the first billing on or after July 1, 2026.

BACKGROUND DETAILS

At your study meeting of May 18, 2026, you referred the preparation of an ordinance amendment to Section 13.20.130 of the Livonia Code of Ordinances, to the Department of Law for submission to Council. This ordinance amendment reflects the requested changes to the water consumption rates.

Accordingly, this proposed amendment is hereby submitted for your consideration and possible adoption.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

First Read

ATTACHMENTS

1. 13.20.130 - 2026

APPROVED BY



Eric Goldstein, City Attorney — Date: May 19, 2026



Maureen Miller Brosnan, Mayor — Date: May 21, 2026

AN ORDINANCE AMENDING SECTION 130 OF TITLE 13, CHAPTER 20 (LIVONIA SEWAGE DISPOSAL SYSTEM) OF THE LIVONIA CODE OF ORDINANCES, AS AMENDED.

THE CITY OF LIVONIA ORDAINS:

Section 1. Section 130 of Title 13, Chapter 20 the Livonia Code of Ordinances, as amended, is hereby amended to read as follows:

13.20.130 Special rates—For designated uses. A. Effective with the first billing on and after July 1, 2025~~5~~6, where sewage disposal service is furnished to users not situated within the city, the sewage disposal rate for such users shall be as follows:

1. For all unmetered houses or residential dwellings connected to and using the facilities of the sewage disposal system, such rate shall be a flat rate of one hundred ~~seventeen~~ twenty four dollars and ~~sixty~~ fifty two cents ($1~~17.60~~24.52) per quarter.

2. For all customers connected to and using the facilities of the sewage disposal system for which consumption data may be obtained, such rate shall be equal to the appropriate base rate established in 13.20.120(B)(1), plus the appropriate quarterly fixed charge as determined by meter size established in 13.20.120(A).

B. All seasonal users with kitchen or bathroom facilities shall pay 50% of the current per unit sewage charge, i.e.:

Base Charge	
Wayne County per 100 cubic feet	$ 1.~~28~~57
City of Livonia per 100 cubic feet	$ 0.~~53~~43
Base Charge per 100 cubic feet	$ ~~1.81~~2.00
Large User (meters sizes 1.5 inch or larger)	
Charge per 100 cubic feet	$ 1.~~13~~33
Total Base Charge for Large Users per 100 cubic feet of water used	$ ~~2.94~~3.33

C. The above rates do not include any rates imposed by the county for the treatment and disposal of sewage through its sewage treatment and disposal facilities. Any such rate shall be included and specified as a separate item in bills sent to users as hereinafter provided.

Section 2. All ordinances or parts of ordinances in conflict herewith are hereby repealed only to the extent necessary to give this ordinance full force and effect.

Section 3. Should any portion of this ordinance be held invalid for any reason, such holding shall not be construed as affecting the validity of any of the remaining portions of this ordinance.

LETTER TO THE LIVONIA CITY COUNCIL

24.

MEETING DATE	PRESENTED BY
R060126	

AGENDA ITEM

REQUEST TO BARRICADE CITY STREET: Ken Douglass, Road Knights Auto Club, on Sunday, June 14, 2026, from 2:30 p.m. to 3:00 p.m. on West Chicago from Middlebelt Road to Oxbow Street.

BACKGROUND DETAILS

A request from Ken Douglass was received for a temporary street closure on Sunday, June 14, in conjunction with the 38th annual "Barn Show" car show event.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

To approve the request as submitted.

ATTACHMENTS

1. R060126 Street barricade Road Knights Auto Club

APPROVED BY

Hello,

I have it saved now under lock and key now!! Thank you. The show is Sunday June 14th and when we spoke, you said that since there wasn't time for info provided at one meeting and a vote on the next, that it all would have to be done at the June 1st meeting and that it would be at the end. I hope this could still be a consideration. Below is what we are requesting. I hope it's not too long, I just wanted to be thorough.

To the Honorable Members of City Council,

The Road Knights Auto Club respectfully requests consideration and approval for a temporary street closure on Sunday, June 14, in conjunction with the 38th annual "Barn Show" car show event.

The requested closure would affect West Chicago Road from Middlebelt Road to Oxbow Street (about 500 ft.) from 2:30 p.m. to 3:00 p.m. During this 30-minute period, the Road Knights have contracted a professional motorcycle stunt entertainment group known as The VCR Stunt Team to perform a controlled, low speed stunt exhibition for event attendees and the general public.

The performance is designed as a family friendly entertainment feature intended to further engage spectators and provide an additional attraction for residents of Livonia and surrounding communities attending the show. The exhibition will consist of low-speed motorcycle balancing and trick riding demonstrations, including wheelies, controlled maneuvers on front and rear wheels, standing tricks, and other choreographed riding techniques. No ramps, jumps, or high-speed maneuvers will be involved during the performance.

The VCR Stunt Team has performed at numerous public events and car shows throughout the region and maintains an established public presence through online videos and social media platforms. Their performances are specifically tailored for controlled event environments like ours. The stunt team is fully insured and experienced in operating within organized public event settings.

In addition to the scheduled performance, The VCR Stunt Team will be present throughout the day interacting with spectators, families, and children attending the Barn Show. This provides attendees with an opportunity to learn more about the world of motorcycle stunt riding, ask questions, view the bikes up close, and engage with performers in a positive and approachable environment. We believe this added interaction helps create a more memorable and engaging experience for visitors of all ages.

To ensure public safety and proper traffic control, the Road Knights Auto Club will place all city provided barricades and caution tape throughout the designated closure area. Additionally, there are five residential homes directly affected by the temporary closure and have already been notified in advance.

The Road Knights Auto Club appreciates the City Council’s consideration of this request. Our organization remains committed to creating safe, positive, and engaging community events that bring together families, automotive enthusiasts, local residents, and visitors while continuing to showcase Livonia as a welcoming destination for community centered entertainment.

Respectfully submitted,

Road Knights Auto Club
Ken Douglass
Detroit Autorama Show Chairman
P: 734.673.5438

LETTER TO THE LIVONIA CITY COUNCIL

25.

Law
May 4, 2026

MEETING DATE	PRESENTED BY
R060126	Eric Goldstein, City Attorney

AGENDA ITEM

ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Laurel Investment, LLC, for a water main easement in connection with the water main constructed with the development at this location, in the Southeast ¼ of Section 7. (Tax I.D. No. 46-028-99-0006-008).

BACKGROUND DETAILS

We are transmitting for Council acceptance of a Grant of Easement, secured without monetary consideration, from Laurel Investment, LLC, for water main easement in the Southeast 1/4 of Section 7, in connection with the water main constructed at 17117 Laurel Park Drive North.

This document, recently received from the Engineering Division, has been approved as to form by the Department of Law and the legal description approved by the Engineering Division. A map prepared by the Engineering Division is attached indicating the location of the proposed subject conveyance.

Should the Council determine to accept the aforesaid Grant of Easement, the following proposed resolution is submitted for the Council's consideration:

RESOLVED, that having considered a communication from the Department of Law, dated May 4, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Laurel Investment, LLC, executed by Majid Koza, Its Manager, for Laurel Investment, LLC, 17117 Laurel Park Drive North, for a 12-Foot Wide water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 7, more particularly described as:

12' Wide Water Main Easement

A 12' foot wide water main easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly

line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 386.58 feet; thence S 00°02'00" E, 45.93 feet to the POINT OF BEGINNING; thence N 89°58'00" E, 318.14 feet; thence N 45°56'43" E, 20.40 feet; thence S 44°03'17" E, 35.33 feet; thence N 44°03'17" W, 35.33 feet; thence N 45°56'43" E, 19.01 feet to a point on the westerly line of an existing 20' wide water main easement, as recorded in Liber 54643, Page 631, said point being the POINT OF ENDING.

See Attached Water Main Easement Sketch

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the Department of Law, dated May 4, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Laurel Investment, LLC, executed by Majid Koza, Its Manager, for Laurel Investment, LLC, 17117 Laurel Park Drive North, for a 12-Foot Wide water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 7, more particularly described as:

12' Wide Water Main Easement

A 12' foot wide water main easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 386.58 feet; thence S 00°02'00" E, 45.93 feet to the POINT OF BEGINNING; thence N 89°58'00" E, 318.14 feet; thence N 45°56'43" E, 20.40 feet; thence S 44°03'17" E, 35.33 feet; thence N 44°03'17" W, 35.33 feet; thence N 45°56'43" E, 19.01 feet to a point on the westerly line of an existing 20' wide water main easement, as recorded in Liber 54643, Page 631, said point being the POINT OF ENDING.

See Attached Water Main Easement Sketch

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

ATTACHMENTS

1. 17117 Laurel Park Drive North - Water Main

APPROVED BY



Eric Goldstein, City Attorney — Date: May 06, 2026



Maureen Miller Brosnan, Mayor — Date: May 08, 2026

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
City Engineer

DAVID W. LEAR, P.E.
Assistant City Engineer

MAUREEN MILLER BROSNAN
MAYOR

DOUGLAS L. MOORE, MSA
Interim Director of Public Works

12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2655

May 4, 2026

Department of Law
City of Livonia

Re: Public Utility Easements for Water Main and Sanitary Sewer
S.E. 1/4 of Section 7
For Laurel Investment, LLC
17117 Laurel Park Drive North – Parcel ID: 46-028-99-0006-008

Ladies and Gentlemen:

Transmitted herewith are two (2) signed Grant of Easements received from Laurel Investment, LLC for public utility easements in the S.E. 1/4 of Section 7. The easements were required by this office in connection with the water main and sanitary sewer constructed with the development at this location.

The legal description contained in the instrument meets with the approval of this office. In addition, we attach herewith the maps showing the proposed conveyance.

Please review the instrument as to form and forward same to the City Council for their acceptance.

Should you have any questions, please feel free to contact this office.

Sincerely,

Todd J. Zilincik, P.E.
City Engineer

TJZ:kmm
Attachment
cc: Laurel Investment LLC, 29200 Northwestern Highway, Suite 450, Southfield, Michigan 48034
DPW, File

M:\ALL OTHER MATTERS\Easements\17117 Laurel Park Dr N - Laurel - 6 Mile Dev. (Cooper's Hawk +)\5-1-26 Letter to Law, Water Main & Sanitary Easements, Laurel - 6 Mile Dev. (Cooper's Hawk +).doc

GRANT OF EASEMENT
Tax I.D. No. 46-028-99-0006-008
17117 Laurel Park Drive North
Livonia, Michigan 48152

GRANT OF EASEMENT

THIS INDENTURE, made this _____ day of _____, 20___, between Laurel Investment, LLC, a Michigan limited liability company whose street number and post office address is 29200 Northwestern Highway, Suite 450, Southfield, Michigan 48034 (Grantor), and the CITY OF LIVONIA, a Michigan municipal corporation (Grantee), whose street number and post office address is 33000 Civic Center Drive, Livonia, Michigan, 48154.

WITNESSETH:

That the Grantor, for and in consideration of the sum of One Dollar ($1.00) paid by the Grantee, the receipt of which is hereby confessed and acknowledged, does by these presents grant unto Grantee, its successors and assigns an easement for the purpose of installing and maintaining a water main, in, unto and upon that certain piece of land situated in the City of Livonia, County of Wayne and State of Michigan, described as follows:

PARCEL ID: **46-028-99-0006-008**

PROPERTY ADDRESS: **17117 Laurel Park Drive North**

LEGAL DESCRIPTION APPROVED
Todd Zilinski
5/4/2026

EASEMENT DESCRIPTION:

12' Wide Water Main Easement

A 12' foot wide water main easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 386.58 feet; thence S 00°02'00" E, 45.93 feet to the POINT OF BEGINNING; thence N 89°58'00" E, 318.14 feet; thence N 45°56'43" E, 20.40 feet; thence S 44°03'17" E, 35.33 feet; thence N 44°03'17" W, 35.33 feet; thence N 45°56'43" E, 19.01 feet to a point on the westerly line of an existing 20' wide water main easement, as recorded in Liber 54643, Page 631, said point being the POINT OF ENDING.

See Attached Water Main Easement Sketch

Including the right of access for the Grantee to go over and upon that part of said piece of land of the Grantor, for the purpose of installing, repairing and maintaining said water main of the Grantee providing that the granting of the above easement does not vest in the Grantee authority to use any portion of said property for any purpose other than herein designated; provided also, that this easement shall continue only for such period of time as the Grantee, its successors and assigns, shall maintain said public utility. Any restoration of property by the Grantee necessitated by water main installation, repair and maintenance shall include backfilling the excavation with proper compacted soil, stone and replacing the existing pavement cross-section and matching existing pavement markings and turf establishment.

IT IS UNDERSTOOD AND AGREED, as a part of the consideration for the granting of the above easement, that the Grantee will use every effort possible to leave the premises in as good condition as at present.

IT WITNESS WHEREOF, the said Grantors have executed this Easement and Dedication the day and year above written.

GRANTOR:

Laurel Investment, LLC
a Michigan limited liability company

By: _____
Majid Koza
Its: Manager

GRANT OF EASEMENT

STATE OF MICHIGAN)
COUNTY OF OAKLAND) SS

On this 20TH day of DECEMBER, 2024, before me personally appeared Majid Koza, the Manager of Laurel Investment, LLC which executed the within instrument, and the instrument was signed and sealed on behalf of said limited liability company and acknowledged said instrument to be of the free act and deed of said limited liability company.

ROCHELLE ROUTE
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF WAYNE
My Commission Expires September 17, 2028
Acting in the County of OAKLAND

Rochelle Route

Notary Public, WAYNE County, Michigan
My Commission expires: 9/17/2028

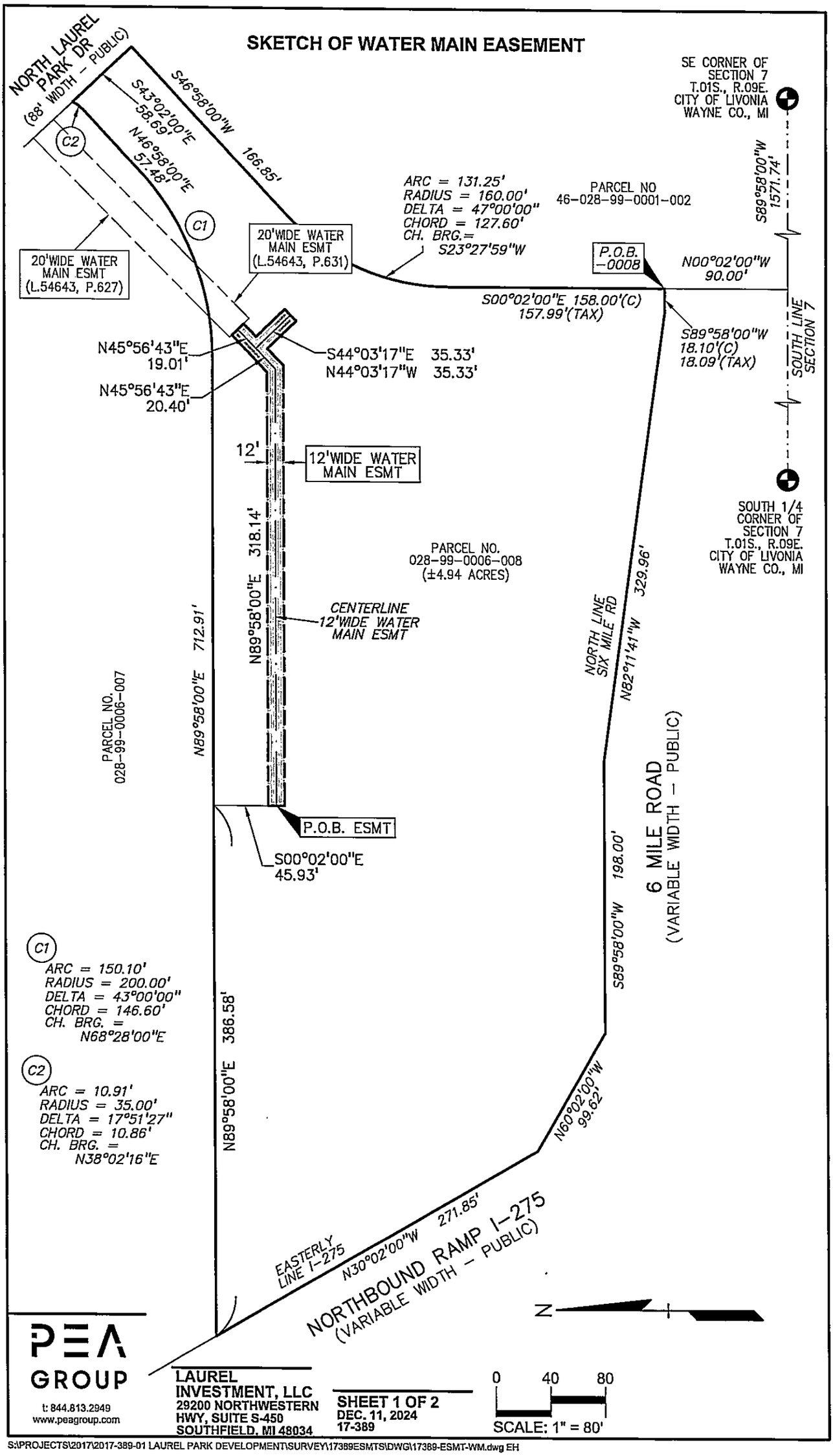
Prepared by: Todd J. Zilincik, P.E.
City Engineer
Engineering Division
12973 Farmington Road
Livonia, Michigan 48150

Approved as to form:
DEPARTMENT OF LAW

_____

Dated: _____

When recorded, return to: OFFICE OF THE CITY CLERK, 33000 Civic Center Drive, Livonia, Michigan 48154



PEA GROUP
t: 844.813.2949
www.peagroup.com

LAUREL INVESTMENT, LLC
29200 NORTHWESTERN HWY, SUITE S-450
SOUTHFIELD, MI 48034

SHEET 1 OF 2
DEC. 11, 2024
17-389

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LEGAL DESCRIPTIONS

LEGAL DESCRIPTION – PARCEL NO. 028 99 0006 008
(PER CITY OF LIVONIA TAX ASSESSING)

PARCEL NO. 028 99 0006 008
PART OF SE 1/4 SEC 7 T1S R9E DESC AS COMM AT SE COR SEC 7 TH S89°58'00"W 1571.74 FT TH N00°02'00"W 90.00 FT TO POB TH S89°58'00"W 18.09 FT TH N82°11'41"W 329.96 FT TH S89°58'00"W 198.00 FT TH N60°02'00"W 99.62 FT TH N30°02'00"W 271.85 FT TH N89°58'00"E 712.91 FT TH 150.10 FT ALONG ARC OF CURVE TO LEFT RAD 200.00 FT CHD BEARS N68°28'00"E 146.60 FT TH N46°58'00"E 57.48 FT TH 10.91 FT ALONG ARC OF CURVE TO LEFT RAD 35.00 FT CHD BEARS N38°02'16"E 10.86 FT TH S43°02'00"E 58.69 FT TH S46°58'00"W 166.85 FT TH 131.25 FT ALONG ARC OF CURVE TO LEFT RAD 160.00 FT CHD BEARS S23°27'59"W 127.60 FT TH S00°02'00"E 157.99 FT TO POB CONT 4.94 AC MORE OR LESS

LEGAL DESCRIPTION – 12' WIDE WATER MAIN EASEMENT
(PER PEA GROUP)

12' WIDE WATER MAIN EASEMENT
A 12 foot wide water main easement over part of the Southeast 1/4 of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S89°58'00"W, 1571.74 feet; thence N00°02'00"W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: 1) S89°58'00"W, 18.10 feet and 2) N82°11'41"W, 329.96 feet and 3) S89°58'00"W, 198.00 feet and 4) N60°02'00"W, 99.62 feet to the easterly line of Highway I–275 & I–96 (variable width); thence along said line, N30°02'00"W, 271.85 feet; thence N89°58'00"E, 386.58 feet; thence S00°02'00"E, 45.93 feet to the POINT OF BEGINNING;
thence N89°58'00"E, 318.14 feet;
thence N45°56'43"E, 20.40 feet;
thence S44°03'17"E, 35.33 feet;
thence N44°03'17"W, 35.33 feet;
thence N45°56'43"E, 19.01 feet to a point on the westerly line of an existing 20' wide water main easement, as recorded in Liber 54643, Page 631, said point being the POINT OF ENDING.

PEA GROUP
t: 844.813.2949
www.peagroup.com

LAUREL INVESTMENT, LLC
29200 NORTHWESTERN HWY, SUITE S-450
SOUTHFIELD, MI 48034

SHEET 2 OF 2
DEC. 11, 2024
17-389

0 40 80
SCALE: 1" = 80'

S:\PROJECTS\2017\2017-389-01 LAUREL PARK DEVELOPMENT\SURVEY\17389ESMTS\DWG\17389-ESMT-WM.dwg EH

LETTER TO THE LIVONIA CITY COUNCIL

26.

Law
May 4, 2026

MEETING DATE	PRESENTED BY
R060126	Eric Goldstein, City Attorney

AGENDA ITEM

ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Laurel Investment, LLC, for a sanitary sewer easement in connection with the sanitary sewer constructed with the development at this location, in the Southeast ¼ of Section 7. (Tax I.D. No. 46-028-99-0006-008).

BACKGROUND DETAILS

We are transmitting for Council acceptance of a Grant of Easement, secured without monetary consideration, from Laurel Investment, LLC, for sanitary sewer easement in the Southeast 1/4 of Section 7, in connection with the water main constructed at 17117 Laurel Park Drive North.

This document, recently received from the Engineering Division, has been approved as to form by the Department of Law and the legal description approved by the Engineering Division. A map prepared by the Engineering Division is attached indicating the location of the proposed subject conveyance.

Should the Council determine to accept the aforesaid Grant of Easement, the following proposed resolution is submitted for the Council's consideration:

RESOLVED, that having considered a communication from the Department of Law, dated May 4, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Laurel Investment, LLC, executed by Majid Koza, Its Manager, for Laurel Investment, LLC, 17117 Laurel Park Drive North, for a 20-Foot Wide sanitary sewer easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 7, more particularly described as:

20' Wide Sanitary Sewer Easement

A 20' foot wide sanitary sewer easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly

line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 580.68 feet; thence S 00°02'00" E, 29.73 feet to the POINT OF BEGINNING; thence S 89°58'00" W, 408.25 feet; thence S 62°34'53" W, 68.53 feet to a point on the easterly line of an existing 12' wide sanitary sewer easement, as recorded in Liber 20730, Page 864, said point being the POINT OF ENDING.

See Attached Sanitary Sewer Easement Sketch

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the Department of Law, dated May 4, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Laurel Investment, LLC, executed by Majid Koza, Its Manager, for Laurel Investment, LLC, 17117 Laurel Park Drive North, for a 20-Foot Wide sanitary sewer easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 7, more particularly described as:

20' Wide Sanitary Sewer Easement

A 20' foot wide sanitary sewer easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 580.68 feet; thence S 00°02'00" E, 29.73 feet to the POINT OF BEGINNING; thence S 89°58'00" W, 408.25 feet; thence S 62°34'53" W, 68.53 feet to a point on the easterly line of an existing 12' wide sanitary sewer easement, as recorded in Liber 20730, Page 864, said point being the POINT OF ENDING.

See Attached Sanitary Sewer Easement Sketch

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

ATTACHMENTS

1. 17117 Laurel Park Drive North - Sanitary Sewer

APPROVED BY



Eric Goldstein, City Attorney

Date: May 06, 2026



Maureen Miller Brosnan, Mayor

Date: May 08, 2026

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
City Engineer

DAVID W. LEAR, P.E.
Assistant City Engineer

MAUREEN MILLER BROSNAN
MAYOR

DOUGLAS L. MOORE, MSA
Interim Director of Public Works

12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2655

May 4, 2026

Department of Law
City of Livonia

Re: Public Utility Easements for Water Main and Sanitary Sewer
S.E. 1/4 of Section 7
For Laurel Investment, LLC
17117 Laurel Park Drive North – Parcel ID: 46-028-99-0006-008

Ladies and Gentlemen:

Transmitted herewith are two (2) signed Grant of Easements received from Laurel Investment, LLC for public utility easements in the S.E. 1/4 of Section 7. The easements were required by this office in connection with the water main and sanitary sewer constructed with the development at this location.

The legal description contained in the instrument meets with the approval of this office. In addition, we attach herewith the maps showing the proposed conveyance.

Please review the instrument as to form and forward same to the City Council for their acceptance.

Should you have any questions, please feel free to contact this office.

Sincerely,

Todd J. Zilincik, P.E.
City Engineer

TJZ:kmm
Attachment
cc: Laurel Investment LLC, 29200 Northwestern Highway, Suite 450, Southfield, Michigan 48034
DPW, File

M:\ALL OTHER MATTERS\Easements\17117 Laurel Park Dr N - Laurel - 6 Mile Dev. (Cooper's Hawk +)\5-1-26 Letter to Law, Water Main & Sanitary Easements, Laurel - 6 Mile Dev. (Cooper's Hawk +).doc

GRANT OF EASEMENT
Tax I.D. No. 46-028-99-0006-008
17117 Laurel Park Drive North
Livonia, Michigan 48152

GRANT OF EASEMENT

THIS INDENTURE, made this _____ day of _____, 20___, between Laurel Investment, LLC, a Michigan limited liability company whose street number and post office address is 29200 Northwestern Highway, Suite 450, Southfield, Michigan 48034 (Grantor), and the CITY OF LIVONIA, a Michigan municipal corporation (Grantee), whose street number and post office address is 33000 Civic Center Drive, Livonia, Michigan, 48154.

WITNESSETH:

That the Grantor, for and in consideration of the sum of One Dollar ($1.00) paid by the Grantee, the receipt of which is hereby confessed and acknowledged, does by these presents grant unto Grantee, its successors and assigns an easement for the purpose of installing and maintaining a sanitary sewer, in, unto and upon that certain piece of land situated in the City of Livonia, County of Wayne and State of Michigan, described as follows:

PARCEL ID: **46-028-99-0006-008**

PROPERTY ADDRESS: **17117 Laurel Park Drive North**

LEGAL DESCRIPTION APPROVED
Jill S Zilinski
5/4/2026

EASEMENT DESCRIPTION:

20' Wide Sanitary Sewer Easement

A 20' foot wide sanitary sewer easement over part of the Southeast ¼ of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, State of Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S 89°58'00" W, 1571.74 feet; thence N 00°02'00 W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: (1) S 89°58'00" W, 18.10 feet and (2) N 82°11'41" W, 329.96 feet and (3) S 89°58'00" W, 198.00 feet and 4) N 60°02'00" W, 99.62 feet to the easterly line of Highway I-275 & I-96 (variable width); thence along said line, N 30°02'00" W, 271.85 feet; thence N 89°58'00" E, 580.68 feet; thence S 00°02'00" E, 29.73 feet to the POINT OF BEGINNING; thence S 89°58'00" W, 408.25 feet; thence S 62°34'53" W, 68.53 feet to a point on the easterly line of an existing 12' wide sanitary sewer easement, as recorded in Liber 20730, Page 864, said point being the POINT OF ENDING.

See Attached Sanitary Sewer Easement Sketch

Including the right of access for the Grantee to go over and upon that part of said piece of land of the Grantor, for the purpose of installing, repairing and maintaining said sanitary sewer of the Grantee providing that the granting of the above easement does not vest in the Grantee authority to use any portion of said property for any purpose other than herein designated; provided also, that this easement shall continue only for such period of time as the Grantee, its successors and assigns, shall maintain said public utility. Any restoration of property by the Grantee necessitated by sanitary sewer installation, repair and maintenance shall include backfilling the excavation with proper compacted soil, stone and replacing the existing pavement cross-section and matching existing pavement markings and turf establishment.

IT IS UNDERSTOOD AND AGREED, as a part of the consideration for the granting of the above easement, that the Grantee will use every effort possible to leave the premises in as good condition as at present.

IT WITNESS WHEREOF, the said Grantors have executed this Easement and Dedication the day and year above written.

GRANTOR:

Laurel Investment, LLC
a Michigan limited liability company

By: _____
Majid Koza
Its: Manager

GRANT OF EASEMENT

STATE OF MICHIGAN)
COUNTY OF OAKLAND) SS

On this 20TH day of DECEMBER, 2024, before me personally appeared Majid Koza, the Manager of Laurel Investment, LLC which executed the within instrument, and the instrument was signed and sealed on behalf of said limited liability company and acknowledged said instrument to be of the free act and deed of said limited liability company.

ROCHELLE ROUTE
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF WAYNE
My Commission Expires September 17, 2028
Acting In the County of OAKLAND

_____

Notary Public, WAYNE County, Michigan
My Commission expires: 9/17/2028

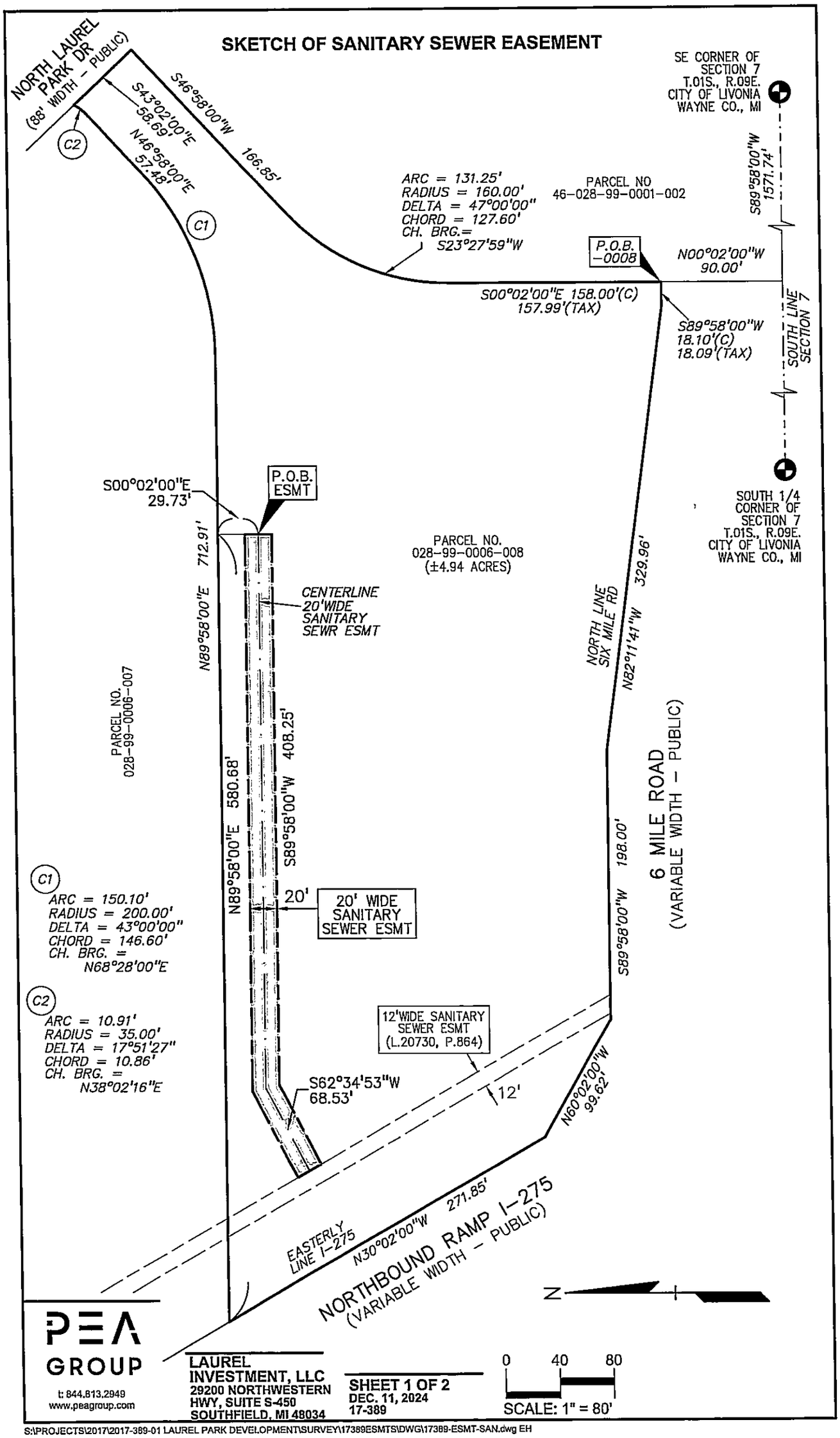
Prepared by: Todd J. Zilincik, P.E.
City Engineer
Engineering Division
12973 Farmington Road
Livonia, Michigan 48150

Approved as to form:
DEPARTMENT OF LAW

_____

Dated: _____

When recorded, return to: OFFICE OF THE CITY CLERK, 33000 Civic Center Drive, Livonia, Michigan 48154



PEA GROUP
t: 844.813.2949
www.peagroup.com

LAUREL INVESTMENT, LLC
29200 NORTHWESTERN HWY, SUITE S-450
SOUTHFIELD, MI 48034

SHEET 1 OF 2
DEC. 11, 2024
17-389

S:\PROJECTS\2017\2017-389-01 LAUREL PARK DEVELOPMENT\SURVEY\17389ESMTS\DWG\17389-ESMT-SAN.dwg EH

LEGAL DESCRIPTIONS

LEGAL DESCRIPTION – PARCEL NO. 028 99 0006 008
(PER CITY OF LIVONIA TAX ASSESSING)

PARCEL NO. 028 99 0006 008
PART OF SE 1/4 SEC 7 T1S R9E DESC AS COMM AT SE COR SEC 7 TH S89°58'00"W 1571.74 FT TH N00°02'00"W 90.00 FT TO POB TH S89°58'00"W 18.09 FT TH N82°11'41"W 329.96 FT TH S89°58'00"W 198.00 FT TH N60°02'00"W 99.62 FT TH N30°02'00"W 271.85 FT TH N89°58'00"E 712.91 FT TH 150.10 FT ALONG ARC OF CURVE TO LEFT RAD 200.00 FT CHD BEARS N68°28'00"E 146.60 FT TH N46°58'00"E 57.48 FT TH 10.91 FT ALONG ARC OF CURVE TO LEFT RAD 35.00 FT CHD BEARS N38°02'16"E 10.86 FT TH S43°02'00"E 58.69 FT TH S46°58'00"W 166.85 FT TH 131.25 FT ALONG ARC OF CURVE TO LEFT RAD 160.00 FT CHD BEARS S23°27'59"W 127.60 FT TH S00°02'00"E 157.99 FT TO POB CONT 4.94 AC MORE OR LESS

LEGAL DESCRIPTION – 20' WIDE SANITARY SEWER EASEMENT
(PER PEA GROUP)

20' WIDE SANITARY SEWER EASEMENT
A 20 foot wide sanitary sewer easement over part of the Southeast 1/4 of Section 7, Town 1 South, Range 9 East, City of Livonia, Wayne County, Michigan, the centerline of said easement being more particularly described as:

Commencing at the Southeast corner of said Section 7; thence along the south line of said Section 7, S89°58'00"W, 1571.74 feet; thence N00°02'00"W, 90.00 feet to a point on the north line of Six Mile Road (variable width); thence along said north line the following four (4) courses: 1) S89°58'00"W, 18.10 feet and 2) N82°11'41"W, 329.96 feet and 3) S89°58'00"W, 198.00 feet and 4) N60°02'00"W, 99.62 feet to the easterly line of Highway I–275 & I–96 (variable width); thence along said line, N30°02'00"W, 271.85 feet; thence N89°58'00"E, 580.68 feet; thence S00°02'00"E, 29.73 feet to the POINT OF BEGINNING;
thence S89°58'00"W, 408.25 feet;
thence S62°34'53"W, 68.53 feet to a point on the easterly line of an existing 12' wide sanitary sewer easement, as recorded in Liber 20730, Page 864, said point being the POINT OF ENDING.

PEA GROUP
t: 844.813.2949
www.peagroup.com

LAUREL INVESTMENT, LLC
29200 NORTHWESTERN HWY, SUITE S-450
SOUTHFIELD, MI 48034

SHEET 2 OF 2
DEC. 11, 2024
17-389

0 40 80
SCALE: 1" = 80'

S:\PROJECTS\2017\2017-389-01 LAUREL PARK DEVELOPMENT\SURVEY\17389ESMTS\DWG\17389-ESMT-SAN.dwg EH

LETTER TO THE LIVONIA CITY COUNCIL

27.

Law
May 6, 2026

MEETING DATE	PRESENTED BY
R060126	Eric Goldstein, City Attorney

AGENDA ITEM

ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Livonia Public Schools, for a water main easement in connection with the water main constructed with the Livonia Public Schools Career Technical Center (CTC) at this location, in the Southeast ¼ of Section 31. (Tax I.D. No. 46-124-99-0014-001).

BACKGROUND DETAILS

We are transmitting for Council acceptance of a Grant of Easement, secured without monetary consideration, from Livonia Public Schools, for water main easement in the Southeast 1/4 of Section 31, in connection with the water main constructed at 9280 Stonehouse Avenue.

This document, recently received from the Engineering Division, has been approved as to form by the Department of Law and the legal description approved by the Engineering Division. A map prepared by the Engineering Division is attached indicating the location of the proposed subject conveyance.

Should the Council determine to accept the aforesaid Grant of Easement, the following proposed resolution is submitted for the Council's consideration:

RESOLVED, that having considered a communication from the Department of Law, dated May 6, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Livonia Public Schools, executed by Andrea Oquist, Its Superintendent, for a water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 31, more particularly described as:

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0014-001, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 21, THENCE N02°12'00"W 1132.47 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 688.93 FEET TO THE POINT OF BEGINNING;THENCE WEST 12.57 FEET; THENCE N00°03'46"W 79.36 FEET; THENCE N45°03'46"W 23.25 FEET; THENCE S89°56'14"W 100.56 FEET; THENCE S00°03'46"E 9.32 FEET; THENCE S89°56'14"W 12.00 FEET; THENCE N00°03'46"W 9.32 FEET; THENCE S89°56'14"W 120.50 FEET; THENCE S44°56'14"W 49.14 FEET; THENCE S00°03'46"E 60.75 FEET; THENCE WEST 12.00 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N00°03'46"W 65.71 FEET; THENCE 44°56'14"E 59.08 FEET; THENCE N89°56'14"E 243.00 FEET;

THENCE S45°03'46"E 33.20 FEET; THENCE S00°03'46"E 83.78 FEET; THENCE S45°03'46"E 0.80 FEET TO THE POINT OF BEGINNING. CONTAINING 0.131 ACRES, MORE OR LESS.

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the Department of Law, dated May 6, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Livonia Public Schools, executed by Andrea Oquist, Its Superintendent, for a water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 31, more particularly described as:

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0014-001, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 21, THENCE N02°12'00"W 1132.47 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 688.93 FEET TO THE POINT OF BEGINNING;THENCE WEST 12.57 FEET; THENCE N00°03'46"W 79.36 FEET; THENCE N45°03'46"W 23.25 FEET; THENCE S89°56'14"W 100.56 FEET; THENCE S00°03'46"E 9.32 FEET; THENCE S89°56'14"W 12.00 FEET; THENCE N00°03'46"W 9.32 FEET; THENCE S89°56'14"W 120.50 FEET; THENCE S44°56'14"W 49.14 FEET; THENCE S00°03'46"E 60.75 FEET; THENCE WEST 12.00 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N00°03'46"W 65.71 FEET; THENCE 44°56'14"E 59.08 FEET; THENCE N89°56'14"E 243.00 FEET; THENCE S45°03'46"E 33.20 FEET; THENCE S00°03'46"E 83.78 FEET; THENCE S45°03'46"E 0.80 FEET TO THE POINT OF BEGINNING. CONTAINING 0.131 ACRES, MORE OR LESS.

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

ATTACHMENTS

1. 9280 Stonehouse - LPS Water Main

APPROVED BY



Eric Goldstein, City Attorney

Date: May 06, 2026



Date: May 08, 2026

Maureen Miller Brosnan, Mayor

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
City Engineer

DAVID W. LEAR, P.E.
Assistant City Engineer

12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2655

MAUREEN MILLER BROSNAN
MAYOR

DOUGLAS L. MOORE, MSA
Interim Director of Public Works

RECEIVED
MAY - 5 2026
DEPARTMENT OF LAW
CITY OF LIVONIA

May 4, 2026

Department of Law
City of Livonia

Re: Public Utility Easements for Water Main
S.E. 1/4 of Section 31
For Livonia Public Schools Career Technical Center (CTC)
8985 Newburgh Road – Parcel ID: 46-124-99-0015-003
9280 Stonehouse Avenue – Parcel ID: 46-124-99-0014-001

Ladies and Gentlemen:

Transmitted herewith are the signed Grant of Easements received from Livonia Public Schools Career Technical Center (CTC) for two (2) public utility easements in the S.E. 1/4 of Section 31. The above easements were required by this office in connection with the water mains constructed with the CTC.

The legal description contained in the instruments meet with the approval of this office. In addition, we attach herewith the maps showing the proposed conveyances.

Please review the instruments as to form and forward same to the City Council for their acceptance.

Should you have any questions, please feel free to contact this office.

Sincerely,

Todd J. Zilincik, P.E.
City Engineer

TJZ:kmm
Attachment
cc: William Green, Assistant Superintendent of Operations and District Services, Livonia Public Schools, 15125 Farmington Road, Livonia, MI 48154
DPW, File

M:\ALL OTHER MATTERS\Easements\Livonia Public Schools\LPS Attorney & City Attorney\CTC\5-4-26 Letter to Law, Water Main Easements, Livonia Public Schools CTC.doc

WATER MAIN EASEMENT AGREEMENT

THIS WATER MAIN EASEMENT AGREEMENT ("Agreement") is made and entered into this 20th day of April, 2026 ("Effective Date"), between LIVONIA PUBLIC SCHOOLS, a Michigan general powers school district, whose address is 15125 Farmington Road, Livonia, Michigan 48154 (hereinafter referred to as "Grantor"), and the CITY OF LIVONIA, a Michigan municipal corporation, whose address is 33000 Civic Center Drive, Livonia, Michigan 48154 (hereinafter referred to as "Grantee").

RECITALS

A. The Grantor is the owner of certain real property commonly known as Livonia Public School's Career Technical Center (north half of CTC property), located at 9280 Stonehouse Avenue, Livonia, MI 48150, which is legally depicted and legally described in **Exhibit A**, under the Heading of "Legal Description", which Exhibit is attached hereto and made a part hereof (hereinafter referred to as the "Premises"); and

B. The Grantee desires to acquire from the Grantor certain rights to a portion of the Premises in order to operate, maintain, improve, repair, replace and/or remove a public water main and related appurtenances constructed thereon (the "Water Main") thereon.

IT IS THEREFORE AGREED:

1. Grant of Easement. In consideration of the sum of One and 00/100 ($1.00) Dollar, and other valuable consideration, Grantor hereby grants to Grantee a perpetual, nonexclusive Water Main easement as hereinafter described.

2. Character of Easement. The easement granted herein is appurtenant to the Premises.

3. Purpose of Easement. The purpose of this grant and conveyance is to provide the Grantee with an easement to permit the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main, and to provide the Grantee with access across the Premises to a portion of the Premises as described herein for the limited purpose of operating, maintaining, improving, repairing, replacing and/or removing the Water Main.

4. Location and Description of Easement. The location of the Water Main easement granted herein is legally described and depicted in **Exhibit A**, under the heading of "Easement Description", which Exhibit is attached hereto and incorporated herein by reference (hereinafter referred to as the "Easement Area").

5. Operation, Maintenance, Improvement, Repair, Replacement and/or Removal. The operation, maintenance, improvement, repair, replacement and/or removal of the Water Main shall be at the sole cost and expense of the Grantee. During all aspects of any work performed on the Premises, Grantee also covenants and agrees to do the following:

a. Backfill and temporarily restore on a daily basis all driveways, parking lots and sidewalk areas located upon the Premises and disturbed by virtue of the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main, until such time as final restoration of the affected areas occurs pursuant to Paragraph 6 herein;

b. Backfill or fence during working hours all excavations on the Premises when not supervised to ensure safety;

c. Secure all equipment and materials during non-working hours so as to prevent access by any licensees, invitees, guests or trespassers;

d. Provide Grantor with continued access for ingress and egress over, under, through and across the Easement Area;

e. Provide Grantor with continued access to the Premises; and

f. Carry on its work to ensure only minimal interference or disruption of Grantor's school operations on the Premises and at such times which are satisfactory and approved by Grantor.

6. Restoration. If upon completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Water Main the Premises have been affected in any manner by said maintenance, improvement, repair, replacement, removal and/or any such work performed on the Premises, Grantee shall, at its sole cost and expense, restore the Premises to a condition as good as its condition prior to such work. Such restoration shall include but not be limited to the following:

a. The restoration of sodded and grassed areas;

b. Any driveways, parking lots, sidewalks, bike paths, culverts, curbs and headwalls so disturbed shall be restored with like materials and to matching thickness and appearance as prior to Grantee's commencement of any such work;

c. Any and all shrubbery, removed, destroyed or disturbed in any manner shall be replaced upon completion of any such work with like shrubs and to matching maturity; and

d. The restoration of disturbed or destroyed chain link fencing, if any, located upon the Premises.

Such restoration shall occur not later than sixty (60) days after completion of maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises. If, however, weather conditions and/or local frost laws prevent the timely restoration of the Premises, such restoration shall occur as soon as reasonably practicable but not later than the first growing season after completion of the work performed.

7. Maintenance. Grantee, at its sole cost and expense, shall be responsible for operating, maintaining, improving, repairing, replacing and/or removing the Water Main in the condition required for its intended use, including the regular removal of silt, debris, vegetation, or other matter that may interfere with proper operation of the Water Main. Notwithstanding the foregoing, in the event that a repair is not timely made and the delay interrupts the Grantor's normal educational operations at the Premises, then in that event, the Grantor has the right, but not the obligation, to temporarily repair the Water Main in order to permit the Grantor to operate school until the Grantee is able to permanently repair the Water Main.

8. Grantor's Rights. Grantor also retains, reserves, and shall continue to enjoy the use of the surface of the Easement Area for any and all purposes which do not interfere with or prevent the use by Grantee. If the Grantor or any of Grantor's successors or assigns shall dedicate all or any part of the property affected by this easement, the Grantee and its successors and assigns shall execute all instruments that may be necessary or appropriate to effectuate such dedications, without, however, extinguishing the easement right granted herein.

9. Nonexclusive Easement. The easement, rights, and privileges granted herein are nonexclusive, and Grantor reserves and retains the right to convey similar easements and rights to such other persons as Grantor may deem proper provided such similar easements do not affect Grantee's easement hereunder.

10. Liability and Reservation of Rights. Each party shall be responsible for the acts and omissions of their respective employees, officials, administrators, officers, contractors, subcontractors, agent and any other person or entity associated with such entity. This Agreement does not, and is not intended to impair, divest, delegate, or contravene any

constitutional, statutory, and/or other legal right, privilege, power, obligation, duty or immunity of either party and shall not be construed to waive the defense of governmental immunity held by any party to this Agreement.

11. Insurance. Grantee, at its sole cost and expense, shall maintain and keep in effect, general liability insurance on the Premises during and until completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises with a company and in a form acceptable to Grantor with minimum limits of $1,000,000.00 on account of bodily injuries to or death of one person, and minimum limits of $3,000,000.00 on account of bodily injuries or death of more than one person, or such other amounts as Grantor may, from time to time, reasonably request, as a result of any one accident or occurrence; and property damage insurance with minimum limits of $1,000,000.00, or such other amounts as Grantor may, from time to time, reasonably request. In addition, Grantee shall require each contractor performing work on the Premises to keep in force at its sole cost and expense during and until completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises, in a form acceptable to Grantor, an Owner's and Contractor's Protective Policy naming Grantor as the principal insured and shall also require each contractor to name Grantor as an additional insured on all contractor policies of insurance with both policies having minimum limits of $1,000,000.00 on account of bodily injuries to or death of one person, and minimum limits of $3,000,000.00 on account of bodily injuries or death of more than one person, or such other amounts as Grantor may, from time to time, reasonably request, as a result of any one accident or occurrence; and property damage insurance with minimum limits of $1,000,000.00, or such other amounts as Grantor may, from time to time, reasonably request. Prior to commencement of any work, Grantee shall provide Grantor with a certificate of insurance or other written evidence of Grantor's coverage as an additional insured, including an endorsement which states that such insurance may not be cancelled except upon ten (10) days prior written notice to Grantor.

12. Liability of Grantee. Grantee shall be responsible to the Grantor for liabilities incurred by the Grantor, arising out of the actions of the Grantee during the operation, maintenance, improvement, repair, replacement, removal or any work performed upon the Water Main on the easement granted. These liabilities shall include costs, expenses, reasonable attorney's fees and liabilities for personal injury or property damage, including damage to property of the Grantor. The terms "Grantee" and "Grantor" shall include their designees, agents, contractors, successors and employees. Nothing in this clause shall be construed to limit either Grantee's or Grantor's defenses and rights, including the right to assert a claim of governmental immunity.

13. Compliance with Applicable Law. Grantee shall conduct the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main in accordance with all applicable federal, state and local laws, codes, regulations and ordinances regarding same.

14. Covenants to Run with Land. The covenants contained in this Agreement shall run with the land and shall be binding upon the parties and their respective heirs, representatives and successors.

15. Recording of Easement. This Water Main Easement Agreement shall be executed in recordable form and shall be recorded with the Wayne County Register of Deeds.

16. Exempt from Transfer Tax. This Water Main Easement Agreement is exempt from transfer tax pursuant to MCL 207.505(a) and MCL 207.526(a).

17. Entire Agreement. This Water Main Easement Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representations or modifications concerning this Agreement shall be of no force and effect. Any modification of this Water Main Easement Agreement must be in writing and must be signed by the party to be charged.

The parties hereto have executed this Water Main Easement Agreement as of the day and year first above written.

GRANTOR:

LIVONIA PUBLIC SCHOOLS

By: _____

Print Name: Andrea Oquist

Its: Superintendent

STATE OF MICHIGAN)
) ss
COUNTY OF WAYNE)

On this 20th day of April, 2026, before me personally appeared Andrea Oquist, Superintendent of Livonia Public Schools, a Michigan general powers school district, to me known to be the same person who executed the within instrument on behalf of Livonia Public Schools and who acknowledges the same to be the free act and deed of Livonia Public Schools.

_____, Notary Public
Wayne County, Michigan
Acting in Wayne County, Michigan
My commission expires: 12/1/2027

TERESA J GIUNTA
Notary Public - State of Michigan
County of Wayne
My Commission Expires Dec 1, 2027
Acting in the County of Wayne

GRANTEE:

CITY OF LIVONIA

By: _____

Print Name: _____

Its: _____

STATE OF MICHIGAN)
) ss
COUNTY OF WAYNE)

On this ___ day of _____, 2026, before me personally appeared _____, _____ of the City of Livonia, a Michigan municipal corporation, to me known to be the same person who executed the within instrument on behalf the City of Livonia and who acknowledges the same to be the free act and deed of the City of Livonia.

_____
, Notary Public
County, Michigan
Acting in County, Michigan
My commission expires:

Part of Sidwell No: 46-124-99-0014-001

Recording Fee: _____

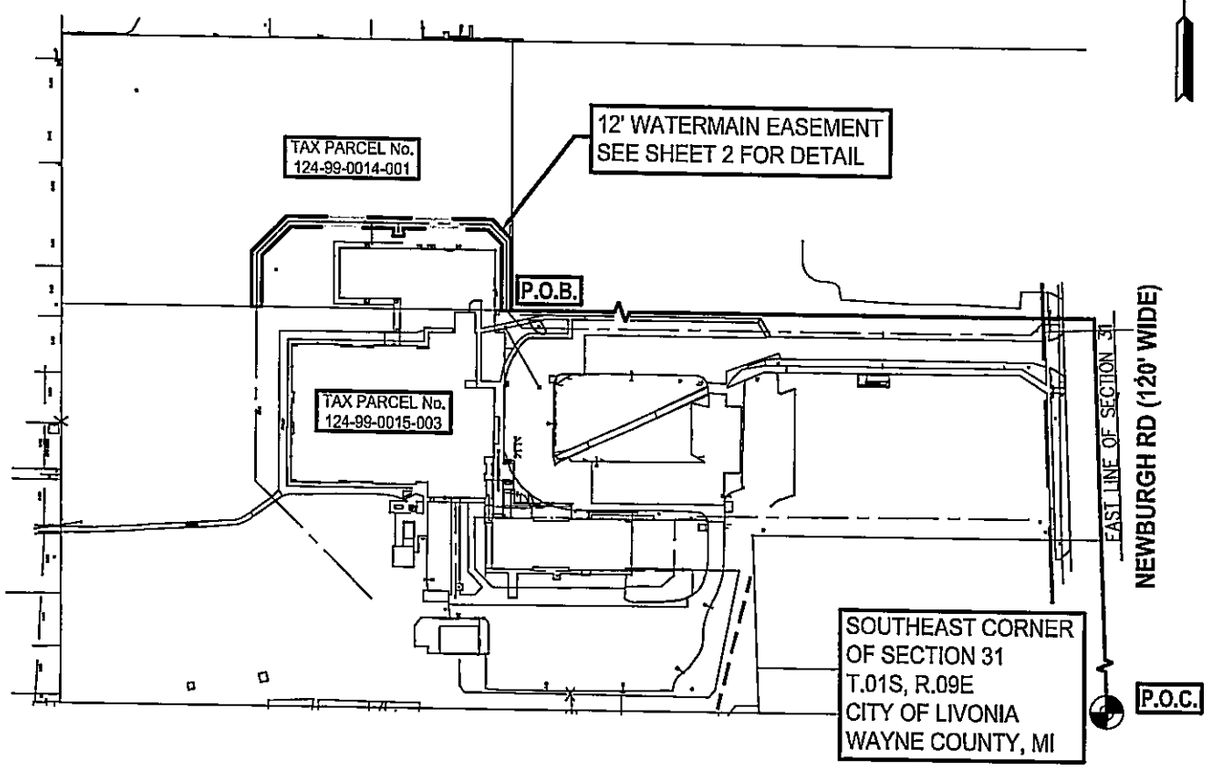
Drafted by:

Dana L. Abrahams, Esq.
CLARK HILL PLC
200 Park Street, Suite 200
Birmingham, MI 48009

When recorded return to:

City of Livonia
Office of the City Clerk
33000 Civic Center Drive
Livonia, MI 48154

EXHIBIT 'A'
WATERMAIN EASEMENT
LIVONIA CAREER TECHNICAL CENTER (CTC)
9280 STONEHOUSE AVENUE



LEGAL DESCRIPTION

TAX PARCEL ID NO. 124-99-0014-001
SOURCE: CITY OF LIVONIA BSA

EASEMENT DESCRIPTION

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0014-001, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 21, THENCE N02°12'00"W 1132.47 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 688.93 FEET TO THE POINT OF BEGINNING;

THENCE WEST 12.57 FEET; THENCE N00°03'46"W 79.36 FEET; THENCE N45°03'46"W 23.25 FEET; THENCE S89°56'14"W 100.56 FEET; THENCE S00°03'46"E 9.32 FEET; THENCE S89°56'14"W 12.00 FEET; THENCE N00°03'46"W 9.32 FEET; THENCE S89°56'14"W 120.50 FEET; THENCE S44°56'14"W 49.14 FEET; THENCE S00°03'46"E 60.75 FEET; THENCE WEST 12.00 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N00°03'46"W 65.71 FEET; THENCE N44°56'14"E 59.08 FEET; THENCE N89°56'14"E 243.00 FEET; THENCE S45°03'46"E 33.20 FEET; THENCE S00°03'46"E 83.78 FEET; THENCE S45°03'46"E 0.80 FEET TO THE POINT OF BEGINNING. CONTAINING 0.131 ACRES, MORE OR LESS.

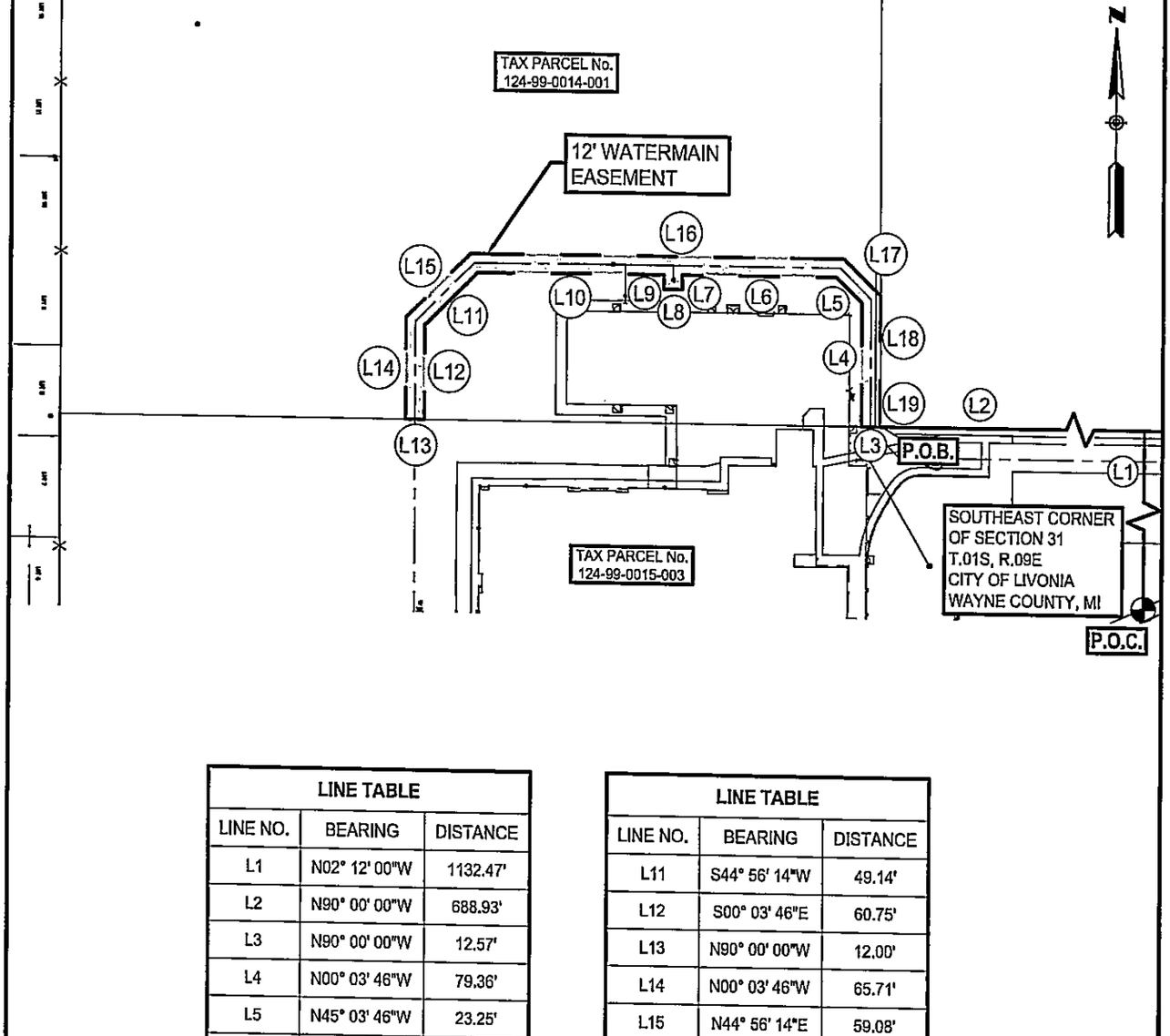
REVISED 04-15-26

SPALDING DEDECKER
Engineers | Surveyors
905 South Blvd. East
Rochester Hills, MI 48307
Phone: (248) 844-5400
Fax: (248) 844-5440
www.sda-eng.com

DRAWN: N.POOLE	DATE: 02-27-26
CHECKED: D.JACKSON	DATE: 02-27-26
MANAGER: D.JACKSON	SCALE: 1" = 200'
JOB No. NP21115	SHEET: 1 OF 2
SECTION 21 TOWN 01 SOUTH RANGE 09 EAST	
LIVONIA, MI	WAYNE COUNTY, MI

Plotted: Apr 15, 2026, 5:21 PM by user: 1098 -- Saved: 2/27/2026 by user: 922
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EXHIBIT 'A'
WATERMAIN EASEMENT
LIVONIA CAREER TECHNICAL CENTER (CTC)
9280 STONEHOUSE AVENUE



LINE TABLE		
LINE NO.	BEARING	DISTANCE
L1	N02° 12' 00"W	1132.47'
L2	N90° 00' 00"W	688.93'
L3	N90° 00' 00"W	12.57'
L4	N00° 03' 46"W	79.36'
L5	N45° 03' 46"W	23.25'
L6	S89° 56' 14"W	100.56'
L7	S00° 03' 46"E	9.32'
L8	S89° 56' 14"W	12.00'
L9	N00° 03' 46"W	9.32'
L10	S89° 56' 14"W	120.50'

LINE TABLE		
LINE NO.	BEARING	DISTANCE
L11	S44° 56' 14"W	49.14'
L12	S00° 03' 46"E	60.75'
L13	N90° 00' 00"W	12.00'
L14	N00° 03' 46"W	65.71'
L15	N44° 56' 14"E	59.08'
L16	N89° 56' 14"E	243.00'
L17	S45° 03' 46"E	33.20'
L18	S00° 03' 46"E	83.78'
L19	S45° 03' 46"E	0.80'

REVISED 04-15-26

SPALDING DEDECKER
Engineers | Surveyors
905 South Blvd. East
Rochester Hills, MI 48307
Phone: (248) 844-5400
Fax: (248) 844-5440
www.sda-eng.com

DRAWN: N.POOLE	DATE: 02-27-26
CHECKED: D.JACKSON	DATE: 02-27-26
MANAGER: D.JACKSON	SCALE: 1" = 100'
JOB No. NP21115	SHEET: 2 OF 2
SECTION 21 TOWN 01 SOUTH RANGE 09 EAST	
LIVONIA, MI	WAYNE COUNTY, MI

Plotted: Apr 15, 2026, 5:21 PM by user: 1098 – Saved: 2/27/2026 by user: 922
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LETTER TO THE LIVONIA CITY COUNCIL

28.

Law
May 6, 2026

MEETING DATE	PRESENTED BY
R060126	Eric Goldstein, City Attorney

AGENDA ITEM

ACCEPTANCE OF GRANT OF EASEMENT: secured without monetary consideration from Livonia Public Schools, for a water main easement in connection with the water main constructed with the Livonia Public Schools Career Technical Center (CTC) at this location, in the Southeast ¼ of Section 31. (Tax I.D. No. 46-124-99-0015-003).

BACKGROUND DETAILS

We are transmitting for Council acceptance of a Grant of Easement, secured without monetary consideration, from Livonia Public Schools, for water main easement in the Southeast 1/4 of Section 31, in connection with the water main constructed at 8985 Newburgh Road.

This document, recently received from the Engineering Division, has been approved as to form by the Department of Law and the legal description approved by the Engineering Division. A map prepared by the Engineering Division is attached indicating the location of the proposed subject conveyance.

Should the Council determine to accept the aforesaid Grant of Easement, the following proposed resolution is submitted for the Council's consideration:

RESOLVED, that having considered a communication from the Department of Law, dated May 6, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Livonia Public Schools, executed by Andrea Oquist, Its Superintendent, for a water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 31, more particularly described as:

EASEMENT 'A'

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0015-003, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 31, THENCE N02°12'00"W 870.20 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 60.04 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N02°12'00"W 13.84 FEET ALONG THE RIGHT-OF-WAY LINE TO THE POINT OF BEGINNING; THENCE S89°42'12"W 1.79 FEET; THENCE N79°02'48"W 24.41 FEET; THENCE S89°42'12"W 388.97 FEET; THENCE S44°42'08"W 11.72 FEET; THENCE S00°17'52"E 68.21 FEET; THENCE S44°42'08"W 33.99 FEET; THENCE

S89°42'08"W 263.55 FEET; THENCE S00°17'52"E 11.89 FEET; THENCE S89°42'08"W 12.00 FEET; THENCE N00°17'52"W 11.89 FEET; THENCE S89°42'08"W 83.70 FEET; THENCE N45°03'46"W 199.54 FEET; THENCE N00°03'46"W 207.25 FEET; THENCE S90°00'00"E 12.00 FEET; THENCE S00°03'46"E 113.20 FEET; THENCE N89°56'14"E 4.00 FEET; THENCE S00°03'46"E 12.00 FEET; THENCE S89°56'14"W 4.00 FEET; THENCE S00°03'46"E 77.07 FEET; THENCE S45°03'46"E 189.57 FEET; THENCE N89°42'08"E 349.27 FEET; THENCE N44°42'08"E 24.05 FEET; THENCE N00°17'52"W 68.21 FEET; THENCE N44°42'08"E 2.49 FEET; THENCE N45°17'52"W 5.16 FEET; THENCE S89°42'08"W 32.27 FEET; THENCE N00°17'52"W 12.00 FEET; THENCE N89°42'08"E 37.24 FEET; THENCE S45°17'52"E 10.13 FEET; THENCE N44°42'08"E 7.18 FEET; THENCE N89°42'12"E 395.13 FEET; THENCE S79°02'48"E 24.41 FEET; THENCE N89°42'12"E 0.21 FEET; THENCE S02°12'00"E 12.01 FEET TO THE POINT OF BEGINNING. CONTAINING 0.370 ACRES, MORE OR LESS.

EASEMENT 'B'

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0015-003, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 31 THENCE N02°12'00"W 870.20 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 60.04 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N02°12'00"W 249.15 FEET ALONG RIGHT-OF- WAY LI NE TO THE POINT OF BEGINNING;

THENCE S44°01'33"W 17.44 FEET; THENCE S89°56'14"W 607.89 FEET; THENCE N45°03'46"W 30.99 FEET; THENCE N00°03'46"W 4.42 FEET; THENCE N90°00'00"E 12.57 FEET; THENCE S45°03'46"E 20.25 FEET; THENCE N89°56'14"E 10.70 FEET; THENCE N00°03'46"W 2.08 FEET; THENCE N89°56'14"E 12.00 FEET; THENCE S00°03'46"E 2.08 FEET; THENCE N89°56'14"E 575.14 FEET; THENCE N44°01'33"E 17.83 FEET; THENCE N89°01'33"E 4.36 FEET; THENCE S02°12'00"E 12.35 FEET TO THE POINT OF BEGINNING. CONTAINING 0.180 ACRES, MORE OR LESS.

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

RESOLVED, that having considered a communication from the Department of Law, dated May 6, 2026, approved for submission by the Mayor, transmitting for Council acceptance of a Grant of Easement from Livonia Public Schools, executed by Andrea Oquist, Its Superintendent, for a water main easement in connection with the construction of a water main at the subject location in the Southeast 1/4 of Section 31, more particularly described as:

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THENCE S44°01'33"W 17.44 FEET; THENCE S89°56'14"W 607.89 FEET; THENCE N45°03'46"W 30.99 FEET; THENCE N00°03'46"W 4.42 FEET; THENCE N90°00'00"E 12.57 FEET; THENCE S45°03'46"E 20.25 FEET; THENCE N89°56'14"E 10.70 FEET; THENCE N00°03'46"W 2.08 FEET; THENCE N89°56'14"E 12.00 FEET; THENCE S00°03'46"E 2.08 FEET; THENCE N89°56'14"E 575.14 FEET; THENCE N44°01'33"E 17.83 FEET; THENCE N89°01'33"E 4.36 FEET; THENCE S02°12'00"E 12.35 FEET TO THE POINT OF BEGINNING. CONTAINING 0.180 ACRES, MORE OR LESS.

The Council does hereby, for and on behalf of the City of Livonia, accept the aforesaid Grant of Easement and the City Clerk is hereby requested to have the same recorded in the Office of the Register of Deeds and to do all other things necessary or incidental to fulfill the purpose of this resolution.

ATTACHMENTS

1. 8985 Newburgh Rd - LPS Water Main

APPROVED BY



Eric Goldstein, City Attorney

Date: May 06, 2026



Maureen Miller Brosnan, Mayor

Date: May 08, 2026

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

TODD J. ZILINCIK, P.E.
City Engineer

DAVID W. LEAR, P.E.
Assistant City Engineer

12973 FARMINGTON ROAD
LIVONIA, MICHIGAN 48150
(734) 466-2655

MAUREEN MILLER BROSNAN
MAYOR

DOUGLAS L. MOORE, MSA
Interim Director of Public Works

RECEIVED
MAY - 5 2026
DEPARTMENT OF LAW
CITY OF LIVONIA

May 4, 2026

Department of Law
City of Livonia

Re: Public Utility Easements for Water Main
S.E. 1/4 of Section 31
For Livonia Public Schools Career Technical Center (CTC)
8985 Newburgh Road – Parcel ID: 46-124-99-0015-003
9280 Stonehouse Avenue – Parcel ID: 46-124-99-0014-001

Ladies and Gentlemen:

Transmitted herewith are the signed Grant of Easements received from Livonia Public Schools Career Technical Center (CTC) for two (2) public utility easements in the S.E. 1/4 of Section 31. The above easements were required by this office in connection with the water mains constructed with the CTC.

The legal description contained in the instruments meet with the approval of this office. In addition, we attach herewith the maps showing the proposed conveyances.

Please review the instruments as to form and forward same to the City Council for their acceptance.

Should you have any questions, please feel free to contact this office.

Sincerely,

Todd J. Zilincik, P.E.
City Engineer

TJZ:kmm
Attachment
cc: William Green, Assistant Superintendent of Operations and District Services, Livonia Public Schools, 15125 Farmington Road, Livonia, MI 48154
DPW, File

M:\ALL OTHER MATTERS\Easements\Livonia Public Schools\LPS Attorney & City Attorney\CTC\5-4-26 Letter to Law, Water Main Easements, Livonia Public Schools CTC.doc

WATER MAIN EASEMENT AGREEMENT

THIS WATER MAIN EASEMENT AGREEMENT ("Agreement") is made and entered into this 20th day of April, 2026 ("Effective Date"), between LIVONIA PUBLIC SCHOOLS, a Michigan general powers school district, whose address is 15125 Farmington Road, Livonia, Michigan 48154 (hereinafter referred to as "Grantor"), and the CITY OF LIVONIA, a Michigan municipal corporation, whose address is 33000 Civic Center Drive, Livonia, Michigan 48154 (hereinafter referred to as "Grantee").

RECITALS

A. The Grantor is the owner of certain real property commonly known as Livonia Public School's Career Technical Center (south half of CTC property), located at 8985 Newburgh Road, Livonia, Michigan, 48150, which is legally depicted and legally described in **Exhibit A**, under the Heading of "Legal Description", which Exhibit is attached hereto and made a part hereof (hereinafter referred to as the "Premises"); and

B. The Grantee desires to acquire from the Grantor certain rights to a portion of the Premises in order to operate, maintain, improve, repair, replace and/or remove a public water main and related appurtenances constructed thereon (the "Water Main") thereon.

IT IS THEREFORE AGREED:

1. Grant of Easement. In consideration of the sum of One and 00/100 ($1.00) Dollar, and other valuable consideration, Grantor hereby grants to Grantee a perpetual, nonexclusive Water Main easement as hereinafter described.

2. Character of Easement. The easement granted herein is appurtenant to the Premises.

3. Purpose of Easement. The purpose of this grant and conveyance is to provide the Grantee with an easement to permit the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main, and to provide the Grantee with access across the Premises to a portion of the Premises as described herein for the limited purpose of operating, maintaining, improving, repairing, replacing and/or removing the Water Main.

4. Location and Description of Easement. The location of the Water Main easement granted herein is legally described and depicted in **Exhibit A**, under the heading of "Easement Description", which Exhibit is attached hereto and incorporated herein by reference (hereinafter referred to as the "Easement Area").

5. Operation, Maintenance, Improvement, Repair, Replacement and/or Removal. The operation, maintenance, improvement, repair, replacement and/or removal of the Water Main shall be at the sole cost and expense of the Grantee. During all aspects of any work performed on the Premises, Grantee also covenants and agrees to do the following:

a. Backfill and temporarily restore on a daily basis all driveways, parking lots and sidewalk areas located upon the Premises and disturbed by virtue of the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main, until such time as final restoration of the affected areas occurs pursuant to Paragraph 6 herein;

b. Backfill or fence during working hours all excavations on the Premises when not supervised to ensure safety;

c. Secure all equipment and materials during non-working hours so as to prevent access by any licensees, invitees, guests or trespassers;

d. Provide Grantor with continued access for ingress and egress over, under, through and across the Easement Area;

e. Provide Grantor with continued access to the Premises; and

f. Carry on its work to ensure only minimal interference or disruption of Grantor's school operations on the Premises and at such times which are satisfactory and approved by Grantor.

6. Restoration. If upon completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Water Main the Premises have been affected in any manner by said maintenance, improvement, repair, replacement, removal and/or any such work performed on the Premises, Grantee shall, at its sole cost and expense, restore the Premises to a condition as good as its condition prior to such work. Such restoration shall include but not be limited to the following:

a. The restoration of sodded and grassed areas;

b. Any driveways, parking lots, sidewalks, bike paths, culverts, curbs and headwalls so disturbed shall be restored with like materials and to matching thickness and appearance as prior to Grantee's commencement of any such work;

c. Any and all shrubbery, removed, destroyed or disturbed in any manner shall be replaced upon completion of any such work with like shrubs and to matching maturity; and

d. The restoration of disturbed or destroyed chain link fencing, if any, located upon the Premises.

Such restoration shall occur not later than sixty (60) days after completion of maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises. If, however, weather conditions and/or local frost laws prevent the timely restoration of the Premises, such restoration shall occur as soon as reasonably practicable but not later than the first growing season after completion of the work performed.

7. Maintenance. Grantee, at its sole cost and expense, shall be responsible for operating, maintaining, improving, repairing, replacing and/or removing the Water Main in the condition required for its intended use, including the regular removal of silt, debris, vegetation, or other matter that may interfere with proper operation of the Water Main. Notwithstanding the foregoing, in the event that a repair is not timely made and the delay interrupts the Grantor's normal educational operations at the Premises, then in that event, the Grantor has the right, but not the obligation, to temporarily repair the Water Main in order to permit the Grantor to operate school until the Grantee is able to permanently repair the Water Main.

8. Grantor's Rights. Grantor also retains, reserves, and shall continue to enjoy the use of the surface of the Easement Area for any and all purposes which do not interfere with or prevent the use by Grantee. If the Grantor or any of Grantor's successors or assigns shall dedicate all or any part of the property affected by this easement, the Grantee and its successors and assigns shall execute all instruments that may be necessary or appropriate to effectuate such dedications, without, however, extinguishing the easement right granted herein.

9. Nonexclusive Easement. The easement, rights, and privileges granted herein are nonexclusive, and Grantor reserves and retains the right to convey similar easements and rights to such other persons as Grantor may deem proper provided such similar easements do not affect Grantee's easement hereunder.

10. Liability and Reservation of Rights. Each party shall be responsible for the acts and omissions of their respective employees, officials, administrators, officers, contractors, subcontractors, agent and any other person or entity associated with such entity. This Agreement does not, and is not intended to impair, divest, delegate, or contravene any

constitutional, statutory, and/or other legal right, privilege, power, obligation, duty or immunity of either party and shall not be construed to waive the defense of governmental immunity held by any party to this Agreement.

11. Insurance. Grantee, at its sole cost and expense, shall maintain and keep in effect, general liability insurance on the Premises during and until completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises with a company and in a form acceptable to Grantor with minimum limits of $1,000,000.00 on account of bodily injuries to or death of one person, and minimum limits of $3,000,000.00 on account of bodily injuries or death of more than one person, or such other amounts as Grantor may, from time to time, reasonably request, as a result of any one accident or occurrence; and property damage insurance with minimum limits of $1,000,000.00, or such other amounts as Grantor may, from time to time, reasonably request. In addition, Grantee shall require each contractor performing work on the Premises to keep in force at its sole cost and expense during and until completion of any maintenance, improvement, repair, replacement, removal and/or any such work performed upon the Premises, in a form acceptable to Grantor, an Owner's and Contractor's Protective Policy naming Grantor as the principal insured and shall also require each contractor to name Grantor as an additional insured on all contractor policies of insurance with both policies having minimum limits of $1,000,000.00 on account of bodily injuries to or death of one person, and minimum limits of $3,000,000.00 on account of bodily injuries or death of more than one person, or such other amounts as Grantor may, from time to time, reasonably request, as a result of any one accident or occurrence; and property damage insurance with minimum limits of $1,000,000.00, or such other amounts as Grantor may, from time to time, reasonably request. Prior to commencement of any work, Grantee shall provide Grantor with a certificate of insurance or other written evidence of Grantor's coverage as an additional insured, including an endorsement which states that such insurance may not be cancelled except upon ten (10) days prior written notice to Grantor.

12. Liability of Grantee. Grantee shall be responsible to the Grantor for liabilities incurred by the Grantor, arising out of the actions of the Grantee during the operation, maintenance, improvement, repair, replacement, removal or any work performed upon the Water Main on the easement granted. These liabilities shall include costs, expenses, reasonable attorney's fees and liabilities for personal injury or property damage, including damage to property of the Grantor. The terms "Grantee" and "Grantor" shall include their designees, agents, contractors, successors and employees. Nothing in this clause shall be construed to limit either Grantee's or Grantor's defenses and rights, including the right to assert a claim of governmental immunity.

13. Compliance with Applicable Law. Grantee shall conduct the operation, maintenance, improvement, repair, replacement and/or removal of the Water Main in accordance with all applicable federal, state and local laws, codes, regulations and ordinances regarding same.

14. Covenants to Run with Land. The covenants contained in this Agreement shall run with the land and shall be binding upon the parties and their respective heirs, representatives and successors.

15. Recording of Easement. This Water Main Easement Agreement shall be executed in recordable form and shall be recorded with the Wayne County Register of Deeds.

16. Exempt from Transfer Tax. This Water Main Easement Agreement is exempt from transfer tax pursuant to MCL 207.505(a) and MCL 207.526(a).

17. Entire Agreement. This Water Main Easement Agreement contains the entire agreement between the parties relating to the rights herein granted and the obligations herein assumed. Any oral representations or modifications concerning this Agreement shall be of no force and effect. Any modification of this Water Main Easement Agreement must be in writing and must be signed by the party to be charged.

The parties hereto have executed this Water Main Easement Agreement as of the day and year first above written.

GRANTOR:

LIVONIA PUBLIC SCHOOLS

By: _____

Print Name: Andrea Oquist

Its: Superintendent

STATE OF MICHIGAN)
) ss
COUNTY OF WAYNE)

On this 20th day of April, 2026, before me personally appeared Andrea Oquist, Superintendent of Livonia Public Schools, a Michigan general powers school district, to me known to be the same person who executed the within instrument on behalf of Livonia Public Schools and who acknowledges the same to be the free act and deed of Livonia Public Schools.

_____, Notary Public
Wayne County, Michigan
Acting in Wayne County, Michigan
My commission expires: 12/1/2027

TERESA J GIUNTA
Notary Public - State of Michigan
County of Wayne
My Commission Expires Dec 1, 2027
Acting in the County of Wayne

GRANTEE:

CITY OF LIVONIA

By: _____

Print Name: _____

Its: _____

STATE OF MICHIGAN)
) ss
COUNTY OF WAYNE)

On this ____ day of _____, 2026, before me personally appeared _____, _____ of the City of Livonia, a Michigan municipal corporation, to me known to be the same person who executed the within instrument on behalf the City of Livonia and who acknowledges the same to be the free act and deed of the City of Livonia.

_____
, Notary Public
County, Michigan
Acting in County, Michigan
My commission expires:

Part of Sidwell No: 46-124-99-0015-003

Recording Fee: _____

Drafted by:

Dana L. Abrahams, Esq.
CLARK HILL PLC
200 Park Street, Suite 200
Birmingham, MI 48009

When recorded return to:

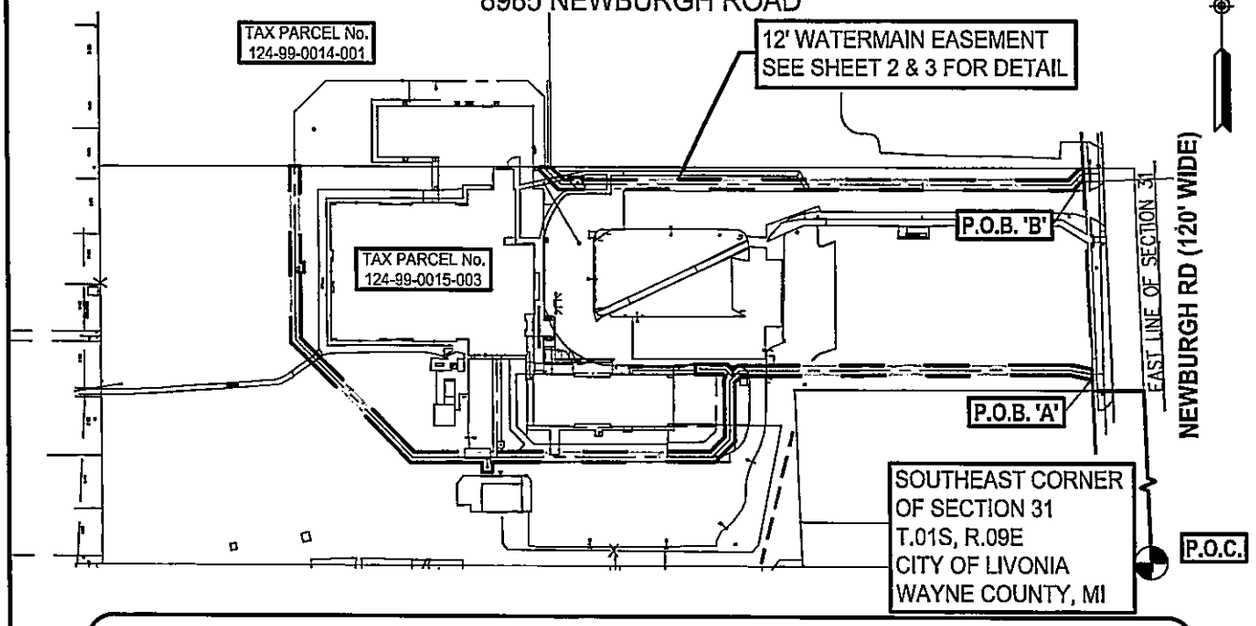
City of Livonia
Office of the City Clerk
33000 Civic Center Drive
Livonia, MI 48154

EXHIBIT 'A'

WATERMAIN EASEMENT

LIVONIA CAREER TECHNICAL CENTER (CTC)

8985 NEWBURGH ROAD



LEGAL DESCRIPTION

TAX PARCEL ID NO. 124-99-0015-003
SOURCE: KEM-TEC BOUNDARY/TOPO SURVEY JOB: 21-02576

THE LAND SITUATED IN THE CITY OF LIVONIA, COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

BEGINNING NORTH 02 DEGREES 12 MINUTES WEST 870.20 FEET FROM THE SOUTHEAST CORNER OF SECTION 31, TOWN 1 SOUTH, RANGE 9 EAST; THENCE WEST 412.50 FEET; THENCE SOUTH 02 DEGREES 12 MINUTES EAST 208.00 FEET; THENCE WEST 826.18 FEET; THENCE NORTH 00 DEGREES 12 MINUTES 30 SECONDS WEST 469.92 FEET; THENCE EAST 1222.33 FEET; THENCE SOUTH 02 DEGREES 12 MINUTES EAST 262.27 FEET TO THE POINT OF BEGINNING. SUBJECT TO EASEMENTS OF RECORD.

EASEMENT DESCRIPTION

EASEMENT 'A'

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0015-003, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 31, THENCE N02°12'00"W 870.20 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 60.04 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N02°12'00"W 13.84 FEET ALONG THE RIGHT-OF-WAY LINE TO THE POINT OF BEGINNING;

THENCE S89°42'12"W 1.79 FEET; THENCE N79°02'48"W 24.41 FEET; THENCE S89°42'12"W 388.97 FEET; THENCE S44°42'08"W 11.72 FEET; THENCE S00°17'52"E 68.21 FEET; THENCE S44°42'08"W 33.99 FEET; THENCE S89°42'08"W 263.55 FEET; THENCE S00°17'52"E 11.89 FEET; THENCE S89°42'08"W 12.00 FEET; THENCE N00°17'52"W 11.89 FEET; THENCE S89°42'08"W 83.70 FEET; THENCE N45°03'46"W 199.54 FEET; THENCE N00°03'46"W 207.25 FEET; THENCE S90°00'00"E 12.00 FEET; THENCE S00°03'46"E 113.20 FEET; THENCE N89°56'14"E 4.00 FEET; THENCE S00°03'46"E 12.00 FEET; THENCE S89°56'14"W 4.00 FEET; THENCE S00°03'46"E 77.07 FEET; THENCE S45°03'46"E 189.57 FEET; THENCE N89°42'08"E 349.27 FEET; THENCE N44°42'08"E 24.05 FEET; THENCE N00°17'52"W 68.21 FEET; THENCE N44°42'08"E 2.49 FEET; THENCE N45°17'52"W 5.16 FEET; THENCE S89°42'08"W 32.27 FEET; THENCE N00°17'52"W 12.00 FEET; THENCE N89°42'08"E 37.24 FEET; THENCE S45°17'52"E 10.13 FEET; THENCE N44°42'08"E 7.18 FEET; THENCE N89°42'12"E 395.13 FEET; THENCE S79°02'48"E 24.41 FEET; THENCE N89°42'12"E 0.21 FEET; THENCE S02°12'00"E 12.01 FEET TO THE POINT OF BEGINNING. CONTAINING 0.370 ACRES, MORE OR LESS.

EASEMENT 'B'

A PERMANENT EASEMENT FOR WATER MAIN PURPOSES DESCRIBED AS: DESCRIPTION AROUND A 12 FOOT WIDE EASEMENT WITHIN THE SOUTHEAST 1/4 OF SECTION 31, TOWN 01 SOUTH, RANGE 09 EAST, CITY OF LIVONIA, WAYNE COUNTY, MICHIGAN, BEING PART OF TAX PARCEL ID NO. 124-99-0015-003, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SECTION 31, THENCE N02°12'00"W 870.20 FEET ALONG THE EAST LINE OF SECTION 31; THENCE WEST 60.04 FEET ALONG THE SOUTH PROPERTY LINE; THENCE N02°12'00"W 249.15 FEET ALONG RIGHT-OF-WAY LINE TO THE POINT OF BEGINNING;

THENCE S44°01'33"W 17.44 FEET; THENCE S89°56'14"W 607.89 FEET; THENCE N45°03'46"W 30.99 FEET; THENCE N00°03'46"W 4.42 FEET; THENCE N90°00'00"E 12.57 FEET; THENCE S45°03'46"E 20.25 FEET; THENCE N89°56'14"E 10.70 FEET; THENCE N00°03'46"W 2.08 FEET; THENCE N89°56'14"E 12.00 FEET; THENCE S00°03'46"E 2.08 FEET; THENCE N89°56'14"E 575.14 FEET; THENCE N44°01'33"E 17.83 FEET; THENCE N89°01'33"E 4.36 FEET; THENCE S02°12'00"E 12.35 FEET TO THE POINT OF BEGINNING. CONTAINING 0.180 ACRES, MORE OR LESS.

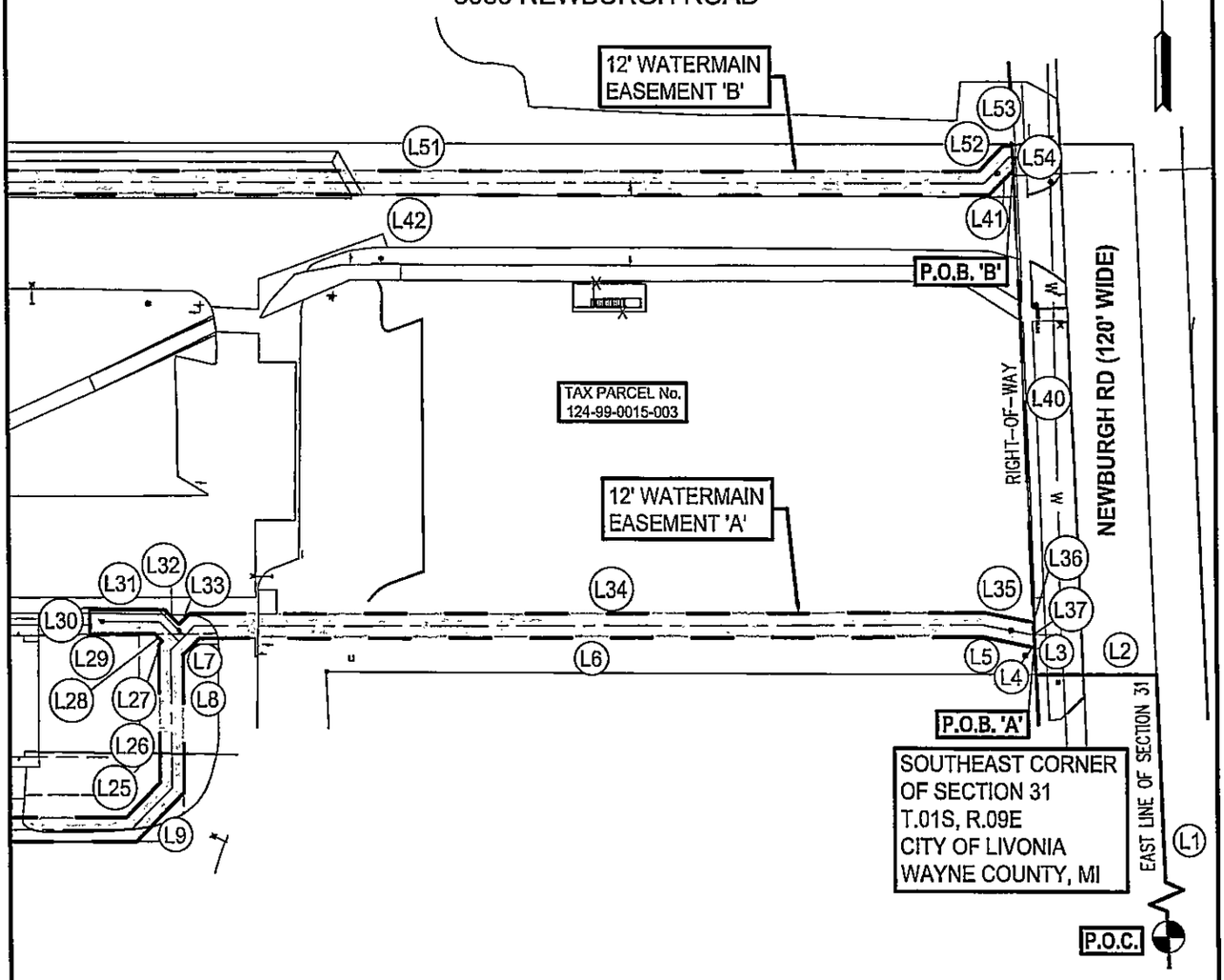
REVISED 04-15-26

SPALDING DEDECKER
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Rochester Hills, MI 48307
Phone: (248) 844-5400
Fax: (248) 844-5440
www.sda-eng.com

DRAWN: N.POOLE	DATE: 02-27-26
CHECKED: D.JACKSON	DATE: 02-27-26
MANAGER: D.JACKSON	SCALE: 1" = 200'
JOB No. NP21115	SHEET: 1 OF 3
SECTION 21 TOWN 01 SOUTH RANGE 09 EAST	
LIVONIA, MI	WAYNE COUNTY, MI

Plotted: Apr 15, 2026, 5:28 PM by user: 1098 – Saved: 2/27/2026 by user: 922
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EXHIBIT 'A'
WATERMAIN EASEMENT
LIVONIA CAREER TECHNICAL CENTER (CTC)
8985 NEWBURGH ROAD



LINE TABLE		
LINE #	BEARING	DISTANCE
L1	N02° 12' 00"W	870.20'
L2	WEST	60.04'
L3	N02° 12' 00"W	13.84'
L4	S89° 42' 12"W	1.79'
L5	N79° 02' 48"W	24.41'
L6	S89° 42' 12"W	388.97'
L7	S44° 42' 08"W	11.72'
L8	S00° 17' 52"E	68.21'
L9	S44° 42' 08"W	33.99'
L10	S89° 42' 08"W	263.55'
L11	S00° 17' 52"E	11.89'
L12	S89° 42' 08"W	12.00'
L13	N00° 17' 52"W	11.89'
L14	S89° 42' 08"W	83.70'

LINE TABLE		
LINE #	BEARING	DISTANCE
L15	N45° 03' 46"W	199.54'
L16	N00° 03' 46"W	207.25'
L17	N90° 00' 00"E	12.00'
L18	S00° 03' 46"E	113.20'
L19	N89° 56' 14"E	4.00'
L20	S00° 03' 46"E	12.00'
L21	S89° 56' 14"W	4.00'
L22	S00° 03' 46"E	77.07'
L23	S45° 03' 46"E	189.57'
L24	N89° 42' 08"E	349.27'
L25	N44° 42' 08"E	24.05'
L26	N00° 17' 52"W	68.21'
L27	N44° 42' 08"E	2.49'
L28	N45° 17' 52"W	5.16'

LINE TABLE		
LINE #	BEARING	DISTANCE
L29	S89° 42' 08"W	32.27'
L30	N00° 17' 52"W	12.00'
L31	N89° 42' 08"E	37.24'
L32	S45° 17' 52"E	10.13'
L33	N44° 42' 08"E	7.18'
L34	N89° 42' 12"E	395.13'
L35	S79° 02' 48"E	24.41'
L36	N89° 42' 12"E	0.21'
L37	S02° 12' 00"E	12.01'
L40	N02° 12' 00"W	249.15'
L41	S44° 01' 33"W	17.44'
L42	S89° 56' 14"W	607.89'
L43	N45° 03' 46"W	30.99'
L44	N00° 03' 46"W	4.42'

LINE TABLE		
LINE #	BEARING	DISTANCE
L45	EAST	12.57'
L46	S45° 03' 46"E	20.25'
L47	N89° 56' 14"E	10.70'
L48	N00° 03' 46"W	2.08'
L49	N89° 56' 14"E	12.00'
L50	S00° 03' 46"E	2.08'
L51	N89° 56' 14"E	575.14'
L52	N44° 01' 33"E	17.83'
L53	N89° 01' 33"E	4.36'
L54	S02° 12' 00"E	12.35'

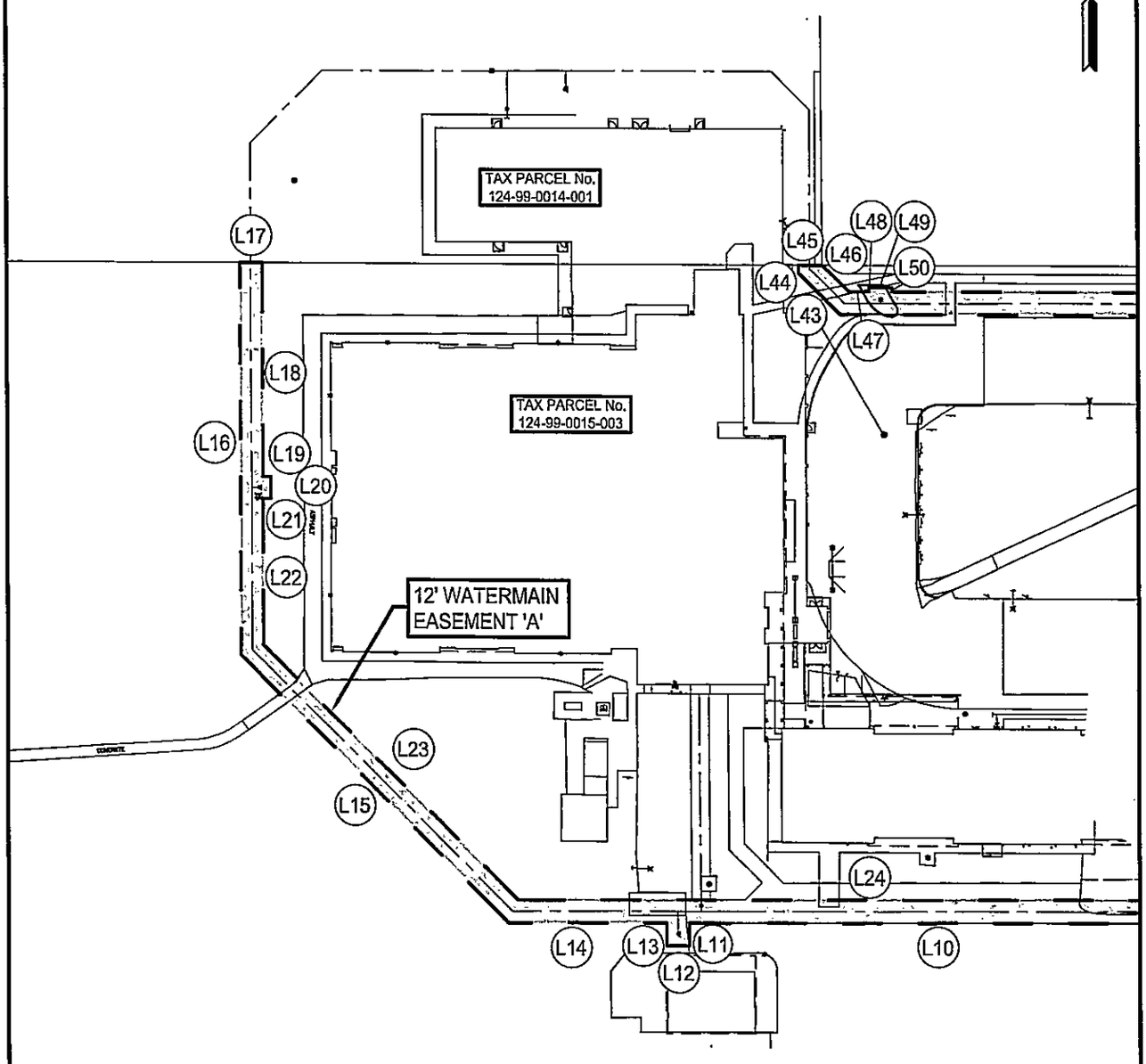
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CHECKED: D.JACKSON	DATE: 02-27-26
MANAGER: D.JACKSON	SCALE: 1" = 80'
JOB No. NP21115	SHEET: 2 OF 3
SECTION 21 TOWN 01 SOUTH RANGE 09 EAST	
LIVONIA, MI	WAYNE COUNTY, MI

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MANAGER: D.JACKSON	SCALE: 1" = 80'
JOB No. NP21115	SHEET: 3 OF 3
SECTION 21 TOWN 01 SOUTH RANGE 09 EAST	
LIVONIA, MI	WAYNE COUNTY, MI

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N:\NP\NLD Projects\NP21115 – Livonia Schools – Robotics Center\Survey\DWG\NP21115EAS–0015.dwg

the Client perceive any conflict of interest in the Attorneys undertaking this engagement on behalf of the Client. If either the Client or the Attorneys, during the representation, receive information indicating that a potential conflict of interest may develop or exist, the Client and the Attorneys agree to bring such information to the immediate attention of the other, and the Attorneys shall proceed to take such steps as may be appropriate in the circumstances.

1. ATTORNEY FEES AND COMMON BENEFIT ASSESSMENT. As compensation for legal services, Client agrees to pay Attorneys for legal services rendered and to be rendered on account of the Client's Claims (hereinafter "Attorney Fees"). Attorney Fees shall be one-third (1/3) of the Gross Amount Recovered for Client's Claims. For any recovery made, Client understands and agrees that Attorney Fees will be divided as follows: 25% to KIRK HUTH LANGE & BADALAMENTI, PLC and 75% to STAG LIUZZA, LLC.

Pursuant to Court order, every AFFF settlement claimant must pay an eight percent (8%) common benefit assessment of the Gross Amount Recovered. As a benefit to Client, said Common Benefit Assessment will be credited against the one-third (1/3) Attorneys' Fees herein. Therefore, Client will not separately bear or reimburse Attorneys for the Common Benefit Assessment and Attorneys will be paid a net total contingency fee of 25 1/3%.

Attorney Fees shall all be calculated before the deduction of costs and expenses, as set forth in Section 2 herein. **Client shall only pay attorney fees contingent upon a recovery and shall not pay any attorney fees if there is no recovery.**

2. COSTS AND EXPENSES. In addition to paying Attorney Fees, in the event of a successful recovery, the Client agrees to reimburse all costs and expenses, as set forth herein only in the event of a recovery, which shall be deducted from the Client's share of that recovery. Attorneys may advance expenses on behalf of Client, and Client shall not be responsible for incurring or reimbursing any expenses if the amount of recovery is less than the costs incurred. **Client shall only reimburse costs or expenses advanced by Attorneys in the event of a recovery by settlement or judgment.**

3. NO GUARANTEE. Client acknowledges that the Attorneys have made no promise or guarantee regarding the outcome of my legal matter. Client acknowledges that Client's Claims may may result in no recovery. Client further acknowledge that the Attorneys shall have the right to cancel this agreement and withdraw from this matter if, in the Attorneys' professional opinion, the matter does not have merit, the Client does not have a reasonably good possibility of recovery, Client refuses to follow the recommendations of the Attorneys, Client fails to abide by the terms of this agreement, the Client fails to provide requested information or assistance, if the continued representation by Attorney would result in a violation of the Rules of Professional Conduct, or at any other time as permitted under the Rules of Professional Conduct.

4. ELECTRONIC DATA COMMUNICATION AND STORAGE. In the interest of facilitating our services to Client, Attorneys may communicate by facsimile transmission, send data over the internet, store electronic data via computer software applications hosted remotely on

the internet, or allow access to data through third-party vendors' secured portals or clouds. Electronic data that is confidential to Client may be transmitted or stored using these methods. Attorneys may use third-party service providers to store or transmit this data. In using these data communication and storage methods, Attorneys employ measures designed to maintain data security. Attorneys will make reasonable efforts to keep such communications and data access secure in accordance with the Attorneys' obligations under applicable laws and professional standards. Attorneys also require all Attorneys' third-party vendors to do the same. However, Client acknowledges that some information transmitted to the Attorneys will be public records, and the Client has no expectation that public records will be confidential. Client acknowledges that Attorneys have no control over the unauthorized interception or breach of any communications or data once it has been sent or has been subject to unauthorized access, notwithstanding all reasonable security measures employed by us or our third-party vendors, and Client consents to our use of these electronic devices and applications and submission of confidential client information to third-party service providers during this engagement.

5. PRIVILEGE. The Client acknowledges that this contract is intended to and does hereby assign, transfer, set over, and deliver unto the Attorneys as its fee for representation of the Client in this matter an interest in the claim(s), the proceeds, or any recovery therefrom under the terms and conditions aforesaid, in accordance with the provisions any state law that applies to this contract.

6. MODIFICATION. It contains the entire and complete understanding between the parties and can only be modified by a written amendment signed by all parties.

7. TERMINATION OF REPRESENTATION. Client acknowledges that Client has the right to terminate the representation upon written notice to that effect. Client acknowledges that Client will be responsible for any contingent attorney fees or related expenses incurred prior to the discharge or termination, based on all the facts and circumstances, including the risk taken by the Attorneys in accepting Client's legal representation on a contingency fee basis. Client agrees to cooperate with Attorneys and to comply with all reasonable requests of Attorneys. Client warrants and represents to the Attorneys that all information Client has provided to, or will in the future provide to, the Attorneys regarding Client's Claim is true and correct to the best of Client's knowledge, information, and belief. The Attorneys have the right to withdraw from this representation after giving reasonable notice. If the Attorneys are discharged or otherwise cease to serve as Client's legal counsel prior to full payment of the settlements, then Attorneys shall receive as compensation for services, and in consideration of the work that Attorneys performed to achieve the settlement amount allocated to Client, the full contingency fee earned or reasonably earned by Attorneys. At the conclusion of this matter, the Attorneys will retain Client's legal files for a period of five (5) years after the Attorneys close their files. At the expiration of the five-year period, the Attorneys may destroy these files unless Client notifies the Attorneys in writing that Client wishes to take possession of the files. The Attorneys reserve the right to charge administrative fees and costs associated with retrieving, copying, and delivering such files.

8. ENTIRE AGREEMENT. The undersigned representative of Client has read this agreement, a copy of which Client has received, in its entirety, and Client agrees to and understands the terms and conditions set forth herein. Client acknowledges that there are no other terms or oral

LETTER TO THE LIVONIA CITY COUNCIL FROM THE LAW DEPARTMENT

29.

MEETING DATE	PRESENTED BY
R060126	Eric Goldstein, City Attorney

AGENDA ITEM

REQUEST TO AUTHORIZE RETAINING COUNSEL: to submit a claim to recover from PFAS Class Action Settlement.

BACKGROUND DETAILS

There has been a nationwide class action settlement with 3M and Dupont totaling more than $14 billion for PFAS contamination associated with firefighting foam. In order to recover anything, a specialized metric based claim must be submitted by July 1, 2026.

We have communicated with the Michigan law firm of Kirk, Huth, Lange & Badalamenti PLC, in partnership with the Louisiana environmental law firm of Stag Liuzza, LLC. They will expend the costs to secure the scientific data necessary to properly prepare and submit the claim. Per the agreement, their fee is measured as a 1/3 contingency of the recovery. The City has no out of pocket expense. The attorneys only get paid if there is a recovery and will collect its fees from that source.

Please let me know if you have any questions.

PREFERRED COUNCIL RECOMMENDATION/RESOLUTION (Please complete this field. Attachments are not to be used in lieu of the recommendation)

WHEREAS, a civil action and/or claims in Aqueous Film-Forming Foams Litigation MDL No. 2873 (“AFFF”) the City of Livonia (the “City”) is committed to delivering clean drinking water to its customers; and WHEREAS, the City is also committed to taking reasonable steps to recover cost reimbursements that may be available in the 3M and DuPont Public Drinking Water Settlements and to reduce costs to its consumers; and

WHEREAS, STAG LIUZZA, L.L.C., and KIRK HUTH LANGE & BADALAMENTI, PLC, have put together a team of uniquely qualified and experienced attorneys (“the Firm”) who have joined together to assist public entities seeking to recover cost reimbursements that may be available in the 3M and DuPont Public Drinking Water Settlements; and

WHEREAS, the Firm is comprised of experienced attorneys in both in PFAS litigation and in the representation of public entities pursuing legal claims involving cost recovery in the drinking water settlements; and

WHEREAS, the City Council has determined it to be in the City’s best interest to enter into the Legal Services Agreement with the Firm and the filing of claims for the 3M and DuPont Public Drinking Water Settlements in the Aqueous Film-Forming Foams Litigation MDL No. 2873 (“AFFF”);

and
WHEREAS, the City desires to authorize the execution of the as Exhibit “A”; and
NOW THEREFORE BE IT RESOLVED by the City Council that the Mayor and City Clerk are hereby authorized to execute the Legal Services Agreement with the Firm based upon the terms and conditions set forth herein and, in a manner, substantially similar to the Agreement attached hereto as Exhibit “A.”

ATTACHMENTS

1. City of Livonia LSA

APPROVED BY



Eric Goldstein, City Attorney

Date: May 27, 2026



Maureen Miller Brosnan, Mayor

Date: June 01, 2026

GLWA MEMBER PARTNER
CONTRACT FOR LEGAL SERVICES FOR THE
3M AND DUPONT PUBLIC DRINKING WATER SETTLEMENTS

The City of Livonia (hereinafter the "Client") hereby retains, STAG LIUZZA, LLC (through attorney Michael G. Stag, LLC) and KIRK HUTH LANGE & BADALAMENTI, PLC (through attorney Robert Huth) (hereinafter the "Attorneys") for the purpose of providing legal services related to the filing of claims for the 3M and DuPont Public Drinking Water Settlements in the Aqueous Film-Forming Foams Litigation MDL No. 2873 ("AFFF") (hereinafter the "Client's Claims").

CLIENT DESIGNATES FOR COMMUNICATION PURPOSES THE FOLLOWING:

Water Department: _____ _____ _____
Name Telephone E-mail

Business Matters: _____ _____ _____
Name Telephone E-mail

Client acknowledges and understands that court ordered deadlines and documentation requirements exist for the pending DuPont and 3M settlements. Client agrees to provide the required documentation and assist, sufficient to allow Attorneys time to process and file the settlement claim within the court ordered deadlines. Any failure of Client to comply with the documentation requirements of the settlement may result in forfeiture of the Client's right to recover money from DuPont and 3M settlements.

Client specifically authorizes the Attorneys file settlement claims on the Client's behalf in the AFFF Product Liability Multi-District Litigation 3M and DuPont Public Drinking Water Settlements.

Unless otherwise agreed in writing by Client and Attorneys, Attorneys will not provide legal services with respect to (a) prosecuting or defending any litigation for or against the Client or (b) proceedings before any federal or state administrative or governmental agency, department, or board including, but not limited to, the United States Environmental Protection Agency. Client acknowledges that the Attorneys are not tax, regulatory, or bankruptcy legal experts. If Client wishes to retain Attorneys to provide any legal services not provided under this Agreement for additional compensation, a separate written agreement between Attorneys and Client will be required.

Attorneys are not the attorneys for any officers, agents, employees, attorneys, or consultants of Client regarding this matter, and shall not become so unless the Attorneys specifically agree in the future in writing to undertake such a representation. The Attorneys will confer, as needed, with such persons to perform the services specified in this Agreement, but no attorney-client relationship shall be created with such persons merely because the Attorneys work with and/or request or receive information from any such persons during their representation of the Client.

Client has disclosed all potential adverse parties to the Attorneys, and neither the Attorneys nor

agreements existing between the Attorneys and Client. This agreement may not be amended or modified in any way without the prior written consent of the Attorneys and the Client.

9. AUTHORITY. Client acknowledges having been advised to and given the full opportunity to obtain independent representation in the making of this agreement and voluntarily entering into this agreement after such opportunity. Client representative signing below represents that Client enters into this agreement with proper authorization and approval under state and local law, and that the Client representative is specifically authorized to execute this agreement.

EFFECT OF SIGNING

Client understands that this is a binding legal document. Client further understands that this Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

CITY OF LIVONIA

_____ By: _____

Date

Its: _____

_____ _____

Date **MICHAEL G. STAG, LLC FOR STAG LIUZZA, LLC**

_____ _____

Date **ROBERT HUTH FOR KIRK HUTH LANGE & BADALAMENTI, PLC**