

OFFICE OF THE COUNCIL



33000 CIVIC CENTER DRIVE
LIVONIA, MICHIGAN 48154-3097
(734) 466-2250

OFFICE OF THE COUNCIL

ELECTRONIC AGENDA PACKET FOR THE COMMITTEE OF THE WHOLE MEETING

MONDAY, MAY 17, 2021 7:00 PM

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**PUBLIC MEETING - COMMITTEE OF THE WHOLE
MONDAY MAY 17, 2021
7:00 P.M.**

Due to COVID-19, Livonia City Council meetings will not be held in the City Council Chambers at City Hall

Connect on Zoom: <https://us02web.zoom.us/j/87814491600>

Or by phone at (312) 626-6799, ID: 878 1449 1600

To participate, use the 'Raise Hand' button on Zoom or press *9 on your phone to be called on

Members:

Kathleen E. McIntyre, Chairman

City Councilmembers

AGENDA ITEM:

- 1. CR145-21** Subject matter of tree removal and replacement during road and sewer repair.

THE FOLLOWING HAVE BEEN NOTIFIED AND ARE REQUESTED TO ATTEND:

Mayor Maureen Miller Brosnan

City Attorney, Paul Bernier

Director of Public Works, Don Rohraff

Assistant Director of Public Works, Doug Moore

Forestry Foreman, Arica Flores

City Engineer, Todd Zilincik

Director of Administrative Affairs, Dave Varga

Director of Governmental Affairs, LaShawn Thomas

THIS IS AN OPEN MEETING AND ALL INTERESTED PARTIES ARE WELCOME TO ATTEND.

Minutes of this meeting will be available for public inspection in the City Clerk's Office
not more than eight business days following the date of the meeting.

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 special needs. Please call (734) 466-2235 or email clerk@livonia.gov if you need assistance.



LETTER TO THE LIVONIA CITY COUNCIL

1.

Council Office
May 11, 2021

MEETING DATE

May 17, 2021

PREPARED BY

Sara Kasprovicz, Council Office Manager,

AGENDA ITEM

CR 145-21 Subject matter of tree removal and replacement during road and sewer repair.

BACKGROUND

CR145-21 RESOLVED, that upon the motion by Councilmember Rob Donovic, seconded by Vice President Scott Bahr, at the Regular Meeting held May 10, 2021, that the Council does hereby refer the subject matter of tree removal and replacement during road and sewer repair to the Committee of the Whole for its report and recommendation.

RECOMMENDATION

To discuss the subject matter of tree removal and replacement during road and sewer repair.

FISCAL CONSIDERATION

None

ATTACHMENTS

1. R041221 Approval of Great Lakes Contracting Solutions for 2021 Concrete Road-Maint Sel Slab Replacement Prog (Contract 21-J) CR 105-21
2. R041221 Approval of Hard Rock Concrete for 2021 Concrete Road Repair Program (Contract 21-C), CR 103-21
3. R041221 Approval of Nagle Paving for 2021 Asphalt Road Paving Program (Contract 21-A) CR 101-21
4. OHM 2021 Livonia Road Program CE Agreement Contract 21-A
5. Bid Tab for Contract 21-J
6. Hard Rock Signed Bid Form for Contract 21-C

APPROVED BY

Regular Meeting Minutes of April 12, 2021

On a motion by White, supported by Jolly, it was:

STS-RDS Pavement Progs

Acceptance of bid from Great Lakes Contracting Solutions, LLC, for performing all work required in connection with the 2021 Concrete Road Maintenance/ Selective Slab Replacement Program – Contract 21-J on various concrete streets throughout the City of Livonia.

#105-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 5, 2021, which bears the signatures of the Director of Finance and the Director of Public Works, and is approved for submission by the Mayor, the Council does hereby accept the unit price bid of Great Lakes Contracting Solutions, LLC, 2300 Edinburgh, Waterford, MI 48328 for performing all work required in connection with the 2021 Concrete Road Maintenance/Selective Slab Replacement Program – Contract 21-J on various concrete streets throughout the City of Livonia, at the unit prices bid for the estimated total cost of \$844,815.77, based upon the Engineering Division's estimate of units involved, and subject to a final payment based upon the actual units completed in accordance with the unit prices accepted herein, said estimated cost and unit prices having been in fact the lowest bid received for this item and meets all specifications; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$844,815.77 for the 2021 Concrete Road Maintenance/Selective Slab Program (Contract 21-J) from funds budgeted in Account No. 204-463-818-114 (Road, Sidewalk and Tree Fund – Maintenance) for this purpose; and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; 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 company, approved as to form and substance by the Department of Law, and to do all other things necessary or incidental to the full performance of this resolution.

<i>CONSENT AGENDA ITEM 13 (Regular Meeting of April 12, 2021)</i>

Motion by: White

Seconded by: Jolly

ROLL CALL:

Ayes: White, McCullough, Donovic, Jolly, Toy, Bahr, McIntyre

Nays: None

Absent: None

Regular Meeting Minutes of April 12, 2021

On a motion by White, supported by Jolly, it was:

STS-RDS Pavement Progs

Approval to extend the Contract 20-C unit prices per agreement with Hard Rock Concrete, Inc., to the 2021 Concrete Road Repair Program (Contract 21-C), with the exception of revised unit price for bid item number 2, mobilization and the agreed upon 250 Inspector Days based on the recommendation of Anderson, Eckstein and Westrick, Inc. ("AEW"), said amount to be adjusted based upon the quantities of work actually completed, for the estimated total cost of \$4,900,000.00, based on the bid unit prices from 2020, Contract 20-C.

#103-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 5, 2021, which bears the signatures of the Director of Finance and the Director of Public Works, and is approved for submission by the Mayor, the Council does hereby agree to extend the Contract 20-C unit prices per agreement with Hard Rock Concrete, Inc., 38146 Abruzzi Drive, Westland, Michigan 48185 to the 2021 Concrete Road Repair Program (Contract 21-c), with the exception of revised unit price for bid item number 2, mobilization and the agreed upon 250 Inspector Days based on the recommendation of Anderson, Eckstein and Westrick, Inc. ("AEW"), said amount to be adjusted based upon the quantities of work actually completed, for the estimated total cost of \$4,900,000.00, based on the bid unit prices from 2020, Contract 20-C; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$4,900,000.00 for the 2021 Concrete Road Repair Program (Contract 21-C) from budgeted road funds in the following accounts:

- Account No. 204-463-818-110 (Reconstruction) \$4,315,000.00
- Account No. 204-463-818-114 (Maintenance) \$ 585,000.00

FURTHER, the Council does hereby authorize the action herein without competitive bidding in accordance with Section 3.04.140D3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from additional competitive bidding, and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; and the Mayor and City Clerk are hereby authorized for and on behalf of the City of Livonia to execute a contract extension with the aforesaid company, approved as to form and substance by the Department of Law, and to do all other things necessary or incidental to the full performance of this resolution.

<i>CONSENT AGENDA ITEM 11 (Regular Meeting of April 12, 2021)</i>

Motion by: White
Seconded by: Jolly

ROLL CALL:

Ayes:	White, McCullough, Donovic, Jolly, Toy, Bahr, McIntyre
Nays:	None
Absent:	None

Regular Meeting Minutes of April 12, 2021

On a motion by White, supported by Jolly, it was:

STS-RDS Pavement Progs

Acceptance of quote from Nagle Paving Company, for completing all work required in connection with the 2021 Asphalt Road Paving Program (Contract 21-A) on various asphalt streets throughout the City of Livonia, by extending their Contract 20-A unit prices for Contract 21-A.

#101-21 RESOLVED, that having considered the report and recommendation of the City Engineer, dated March 10, 2021, which bears the signatures of the Director of Finance and the Director of Public Works, and is approved for submission by the Mayor, the Council does hereby accept the quote of Nagle Paving Company, 36780 Amrhein, Livonia, Michigan 48150, for completing all work required in connection with the 2021 Asphalt Road Paving Program (Contract 21-A) on various asphalt streets throughout the City of Livonia, by extending their Contract 20-A unit prices for Contract 21-A, with the exception of the revised unit prices for some select bid items and the new quantities and unit prices necessary to complete the proposed improvements (mostly related to the non-motorized paths such as culverts, pavement markings and signage) and the mutually agreed upon Inspector Days consisting of 180 days, for an estimated total cost of \$3,841,504.29, based on the Engineering Division's estimate of units of work involved and subject to the final payment based on the actual units of work completed in accordance with the unit prices accepted herein; FURTHER, the Council does hereby authorize an expenditure in an amount not to exceed \$3,841,504.29 from funds in the following accounts:

- Account No. 204-463-818-110 (Reconstruction) \$ 120,000.00
- Account No. 204-463-818-112 (Rehabilitation) \$3,495,004.29
- Account No. 204-463-818-114 (Maintenance) \$ 26,500.00
- Account No. 204-463-974-200 (Non-Motorized Paths) \$ 200,000.00

FURTHER, the Council does hereby authorize the action herein without competitive bidding in accordance with Section 3.04.140D3 of the Livonia Code of Ordinances, as amended, since no advantage to the City would result from competitive bidding; and the City Engineer is hereby authorized to approve minor adjustments in the work as it becomes necessary but this authorization does not entitle the City Engineer to authorize any increase in the not to exceed amount or to contract with other parties; and the Mayor and City Clerk are hereby authorized to execute a contract, approved as to form and substance by the Department of Law, for and on behalf of the City of Livonia with Nagle Paving Company and to do all other things necessary or incidental to the full performance of this resolution.

<i>CONSENT AGENDA ITEM 9 (Regular Meeting of April 12, 2021)</i>
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Motion by:	White
Seconded by:	Jolly
ROLL CALL:	
Ayes:	White, McCullough, Donovic, Jolly, Toy, Bahr, McIntyre
Nays:	None
Absent:	None



March 9, 2021

Todd J. Zilincik, PE
City Engineer
City of Livonia
33000 Civic Center Drive
Livonia, MI 48154

RE: Construction Engineering Services - 2021 Comprehensive Road Reconstruction and Rehabilitation Program (Asphalt)

Dear Mr. Zilincik,

Thank you again for showing continued confidence in OHM Advisors, by selecting us to provide the City of Livonia with construction engineering services for the 2021 Comprehensive Road Reconstruction and Rehabilitation Program (Asphalt). Attached is Exhibit A with associated Project Supplements.

OHM Advisors will again team with Soil and Materials Engineers, Inc. (SME) with added support from G2 Consultants, to provide the material testing during this project.

If you have any questions concerning the Exhibit, please contact me at (734) 466-4441. We look forward to working with the City of Livonia on this program.

Sincerely,

A handwritten signature in dark ink, appearing to read "Mark Loch".

Mark R. Loch, PE
Project Manager

Attachment: Agreement

EXHIBIT A
PROJECT SPECIFIC SCOPE OF SERVICES, PROJECT SCHEDULE, PAYMENTS
TO CONSULTANT

The information contained in this Exhibit applies only to the following project:

Project Title: **2021 Comprehensive Road Reconstruction and Rehabilitation Program (Asphalt)**

Dated: _____, 2021

This is an Exhibit to the Contract dated December 1, 2016 between the City of Livonia (CITY), whose address is 33000 Civic Center Drive, Livonia, MI 48154 and OHM Advisors, whose address is 34000 Plymouth Road, Livonia, Michigan, 48150.

This Exhibit acts as a duly executed written instrument that amends, supplements, modifies, or cancels certain portions of the Contract, as provided in Article 8.01 of the Contract.

A. SCOPE OF SERVICES, INCLUDING MATERIAL QUALITY CONTROL PROGRAM

CONSULTANT is requested to provide Construction Engineering Services as stated in accordance with attached Supplement A, dated March 8, 2021.

B. PROJECT SCHEDULE

The Project Schedule is attached as Supplement B, dated March 8, 2021.

C. PAYMENTS TO CONSULTANTS

CONSULTANT shall be paid on an hourly basis up to the not-to-exceed amount of four hundred sixty thousand one thousand and zero cents (\$461,000) for construction engineering services in accordance with the phasing and payment terms on Supplement C, dated March 8, 2021.

In Witness Whereof, the CITY and CONSULTANT, and through their duly authorized officers and representatives, have executed this Contract.

In the Presence of:

CITY OF LIVONIA, a Michigan
Municipal Corporation

By: _____
Maureen Miller Brosnan, Mayor

By: _____
Susan M. Nash, City Clerk

In the Presence of:



OHM Advisors

By: 
Rhett A. Gronevelt, PE

Its: _____
Principal

Approved:

Donald R. Rohraff
Director of Public Works

Approved:

Todd J. Zilincik, P.E.
City Engineer

Approved:

Michael Slater
Director of Finance

Approved as to form:

Paul A. Bernier
Department of Law

Pursuant to Council Resolution

No: _____

Adopted on: _____

SCOPE OF SERVICES

CITY OF LIVONIA

2021 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM (ASPHALT)

PROJECT UNDERSTANDING

The CONSULTANT will provide construction engineering services for the asphalt portion of the 2021 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM. The CITY'S intent is to replace the pavement in-kind and minimize construction work behind the curb or beyond the limited edge of pavement restoration.

The streets to be included are:

Reconstruction Street Locations

Road Name	From	To
Oakley Ave	Cavell Ave	Inkster Rd

Rehabilitation Street Locations

Road Name	From	To
Antago Ave	Vassar Ave	Grand River Ave
Bridge Ave	St. Francis St	Inkster Rd
Vassar Ave-2	Rensellor St	Inkster Rd
Victor Parkway	Seven Mile Rd	Pembroke St
Doris Ave	Munger Ave	End
Myrna St	Loveland Ave	Hubbard St
Camborne Ln	Hubbard St	End
Greenland Ct	Hubbard St	End
Hubbard St	Five Mile Rd	Buchanan School
Hillcrest Ave	Schoolcraft Rd	Lyndon Ave
Cavell Ave	Oakley Ave	Five Mile Rd
Beatrice Ave	Dover Ave	130' S. of Grandon Ave
Danzig Ave	Dover Ave	130' S. of Grandon Ave
Fremont Ave	Joy Rd	130' S. of Grandon Ave
Hugh Ave	Joy Rd	130' S. of Grandon Ave
Louise Ave	Dover Ave	130' S. of Grandon Ave

Road Name	From	To
Melvin Ave	Joy Rd	130' S. of Grandon Ave
Hartel Ave	Joy Rd	130' N. of Olson Ave
Olson Ave	Oxbow Ave	End
Oxbow Ave	Joy Rd	130' N. of Olson Ave

Maintenance Street Locations

Road Name	From	To
Vassar Ave-1	Angling St	Rensellor St

A. Construction Phase Services

- Contract Administration Services** shall consist of preparing monthly pay estimates based on quantities provided with field representative's daily reports to meet CITY deadlines for payment purposes. Work shall also include assisting CITY staff (i.e. Project Manager) in the resolution of claims, contract interpretations and review of project schedules and deadlines. CONSULTANT will provide project closeout documentation consisting of final pay estimate preparation, closeout documentation from the contractor and a balancing Change Order identifying adjustments to the construction contract. In addition, the CONSULTANT will make field visits to project sites to observe the work in progress and assist in the review of the contractor's work to be in general compliance with the contract.
- Stakeout Services** during the construction phase shall consist of the required staking for line and elevation of specific contract items such as pavement replacement for long areas (over 200 feet) or total reconstruction, and curb and gutter replacement when over 200 feet in length or the entire pavement section on reconstruction projects. The existing pavement will be surveyed prior to removal to identify high points and low points in relationship to storm drainage. Staking will be provided at 50-foot intervals that will include top of curb or edge of pavement grades only. Offset stakes will be provided as coordinated with the contractor. Staking will also be provided for new structure(s), culverts and proposed utilities.
- Construction Observation Services** shall consist of full time observation of the work progress by the contractor(s) on days when work is performed. Daily Field Reports (DFRs) will be prepared documenting pay item quantities and the general work progress for the day. Checking line and elevation for compliance with the survey stakes will also be provided as part of the CONSULTANT'S regular responsibilities. The CONSULTANT will answer residents' questions and attempt to promptly resolve complaints during the course of construction. The CONSULTANT will also interact with the contractor's supervisory staff to notify them when work is unacceptable and in need of correction, or removal and replacement of specific work elements when necessary.

OHM will assist the City with the implementation of their SESC policy as follows; OHM will notify the contractor to install the structure inlet protection prior to the beginning of construction within each work zone, and inform the contractor when the measures are no longer needed once acceptable vegetation has been established. Also, OHM will

forward all concerns to the contractor that are made by the City, as well as make the contractor aware of observed inlet protection that is not effective and requires maintenance.

- **Construction Engineering Services** shall consist of a senior construction engineer/technician who will supervise the construction and direct the CONSULTANT'S field staff to provide:
 - a. appropriate project documentation
 - b. shop drawing review, resolution of construction issues/problems that may arise
 - c. provide recommendations to the CITY as it relates to claims from the contractor(s) including:
 - i. preparation of change orders, as required
 - ii. responsive complaint resolution
 - iii. reviewing of project progress for compliance with approved schedule
 - iv. providing recommendations to the CITY'S Project Manager for penalties and/or changes in the time of completion of projects.

CONSULTANT shall coordinate with SME and the CITY'S Project Manager. The CONSULTANT shall lead the preconstruction conference and bi-weekly progress meetings.

- **Materials Testing** by CONSULTANT'S sub-consultant, SME, shall provide the following:
 - a. Attend one (1) pre-construction meeting and perform review of mix designs
 - b. Attend three (3) construction progress meetings
 - c. Twelve (12) half-day site visits to perform field density testing on the pulverized base material
 - d. Thirty (30) full day site visits during HMA paving
 - e. Thirty (30) visits to the bituminous supplier's plant for sampling during paving
 - f. Twenty (20) half-day site visits for concrete testing during curb/gutter placements
 - g. Forty (40) bituminous one-point mix verifications
 - h. One hundred (100) concrete cylinders compressive strength tests

In addition to SME's Services, G2 Consultant has been added to the OHM Team to provide spot checking at the plant to provide a third party testing. It is anticipated the G2 will be involved in spot checking the 13A mixes and the E mixes.

- The CONSULTANT will coordinate with the CITY to develop draft letters to the residents at the start of construction and, when needed, send out letters to residents when there are changes in construction sequences or schedule. There are twenty (20) street segments in this year's program. All streets will receive hand delivered letters for information on construction activities. A second letter may be required for notification of paving dates. If requested, the CONSULTANT will participate in one additional CITY resident communication initiative per street.
- **Resolution Services** is included as a part of observation and construction engineering. This may include:
 - a. Notifying the CITY of contractor violations as it relates to the City of Livonia Ordinance for construction traffic on roads within the City (i.e., dust control and latent bituminous material).

- b. Notifying the CITY of concerns raised by residents and businesses during the construction phase of the project.
8. Attend an informational meeting with residents to explain the proposed construction program and its impacts to the residents/businesses. Attendance shall be by the CONSULTANT project manager and construction engineer.

D. City's Responsibilities

1. Coordination with police and fire departments and Livonia Public Schools.
2. Pay any required permit review fees or reimburse CONSULTANT for permit fees paid to expedite review and approval.
3. Host a public information meeting with residents, businesses and institutions as needed.
4. Attend bi-weekly Progress Meetings.

PROJECT SCHEDULE

CITY OF LIVONIA

**2021 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION
PROGRAM (ASPHALT)**

PROJECT SCHEDULE

The CONSULTANT will provide construction engineering services for duration of the construction project as outlined under Progress Clause in the project Proposal, which states the project shall start approximately on May 3, 2021 and is to be completed by October 11, 2021. Should the project extend beyond the completion date, a contract Amendment may be required to complete the work.



Supplement C – Payments to the Consultant

PAYMENTS TO CONSULTANT

CITY OF LIVONIA

2020 COMPREHENSIVE ROAD RECONSTRUCTION AND REHABILITATION PROGRAM

The following fees are based on the as bid construction cost of \$3,841,504.29 utilizing the CITY's fee matrix.

Construction Phase

The CITY agrees to pay the CONSULTANT for construction services on an hourly basis, billed monthly, per the 2021 Rate Schedule (attached Supplement C-1) at the not-to-exceed amount of four hundred sixty-one thousand dollars and zero cents (\$461,000.00).

Additional Services

Additional services, if approved by City Council, shall be paid at the current hourly rate schedule or at an agreed upon price between the CITY and CONSULTANT.

City of Livonia
2021 Comprehensive Road Reconstruction and
Rehabilitation Program (Asphalt)



OHM ADVISORS
2021 HOURLY RATE SCHEDULE

Professional Engineer IV / Architect IV / Senior Interior Designer IV	\$183.00
Professional Engineer III / Architect III / Senior Interior Designer III	\$165.00
Professional Engineer II / Architect II / Senior Interior Designer II	\$150.00
Professional Engineer I / Architect I / Senior Interior Designer I	\$140.00
Project Specialist II	\$158.00
Project Specialist I	\$130.00
Graduate Engineer IV	\$145.00
Graduate Engineer III	\$138.00
Graduate Engineer II	\$130.00
Graduate Engineer I	\$123.00
Graduate Architect III / Landscape Architect III / Interior Designer III	\$132.00
Graduate Architect II / Landscape Architect II / Interior Designer II	\$112.00
Graduate Architect I / Landscape Architect I / Interior Designer I	\$100.00
Technician IV	\$140.00
Technician III	\$120.00
Technician II	\$103.00
Technician I	\$83.00
Engineering / Architectural / Interior Design Aide	\$65.00
Professional Surveyor III	\$162.00
Professional Surveyor II	\$150.00
Professional Surveyor I	\$135.00
Graduate Surveyor	\$115.00
Surveyor III	\$117.00
Surveyor II	\$110.00
Surveyor I	\$90.00
Surveyor Aide	\$70.00
Planner IV	\$160.00
Planner III	\$140.00
Planner II	\$118.00
Planner I	\$100.00
Planner Aide	\$65.00
Graphic Designer	\$110.00
Administrative Support	\$70.00
Clerical Aide	\$60.00
Principal	\$210.00
Sr. Associate	\$195.00
Associate	\$185.00

Rates as reflected subject to review and adjustment on an annual basis.
2021 Public Rates



TABULATION OF BIDS

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-J - MAINTENANCE
AEW PROJECT NO. 0263-0025

DATE: 3/2/2021
TIME: 2:00 PM

Prepared by: Anderson, Eckstein and Westrick, Inc.
51301 Schoenherr Road
Shelby Township, MI 48315

BIDDER RANKING

RANK	BIDDER NAME	TOTAL BID	TOTAL BID WITH CREW DAYS
1	Great Lakes Contracting Solutions, LLC	\$ 844,815.77	\$ 889,815.77 *
2	Zuniga Cement Construction, Inc.	\$ 926,709.00	\$ 971,709.00 *
3	Merlo Construction Co., Inc.	\$ 1,041,863.52	\$ 1,086,863.52
4	JB Contractors Inc.	\$ 1,046,755.45	\$ 1,091,755.45
5	Audia Concrete Construction, Inc.	\$ 1,069,888.02	\$ 1,114,888.02
6	GV Cement Contracting Co.	\$ 1,365,787.00	\$ 1,440,787.00

*CORRECTED BY ENGINEER



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI 48328

Zuniga Cement Construction, Inc.
22500 Ryan Road
Warren, MI 48091

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
General							
1.	Mobilization, Max 3%	1	LS	10,000.00	10,000.00	26,000.00	26,000.00
2.	Tree, Rem, 6 inch to 18 inch, Modified	2	Ea	255.00	510.00	950.00	1,900.00
3.	Tree Rem, 19 inch to 36 inch, Modified	45	Ea	1,120.00	50,400.00	1,600.00	72,000.00
4.	Tree Rem, 37 inch or larger, Modified	3	Ea	1,980.00	5,940.00	1,800.00	5,400.00
5.	Stump and Root Rem and Regrade, 6 inch to 18 inch	2	Ea	430.00	860.00	350.00	700.00
6.	Stump and Root Rem and Regrade, 19 inch to 36 inch	45	Ea	525.00	23,625.00	350.00	15,750.00
7.	Stump and Root Rem and Regrade, 37 inch or larger	3	Ea	525.00	1,575.00	200.00	600.00
8.	_ Geogrid	500	Syd	8.00	4,000.00	4.00	2,000.00
9.	HMA, 13A	20	Ton	275.00	5,500.00	325.00	6,500.00
10.	_ Surface Restoration, Seeding	500	Syd	6.60	3,300.00	6.00	3,000.00
11.	_ Surface Restoration, Sodding	500	Syd	9.65	4,825.00	18.00	9,000.00
12.	_ Audio Visual Record of Construction Area	1	LS	5,050.00	5,050.00	3,500.00	3,500.00
Maintenance							
13.	Sidewalk, Rem	280	Syd	9.50	2,660.00	9.00	2,520.00
14.	_ Driveway, Rem	545	Syd	9.50	5,177.50 *	9.00	4,905.00
15.	_ Subgrade Undercutting, Type II, Modified	125	Cyd	40.00	5,000.00	25.00	3,125.00
16.	_ Subgrade Undercutting, Type II, Special	125	Cyd	45.00	5,625.00	25.00	3,125.00
17.	_ Erosion Control, Inlet Protection, Siltsack	21	Ea	75.00	1,575.00	90.00	1,890.00
18.	_ Aggregate Base, 6 inch, Modified	2,552	Syd	11.00	28,072.00	7.00	17,864.00
19.	Sewer, CI IV, 12 inch, Tr Det B	31	Ft	75.00	2,325.00	75.00	2,325.00
20.	Dr Structure Cover, Adj, Case 2	29	Ea	365.50	10,599.50	500.00	14,500.00
21.	Dr Structure, 24 inch dia	1	Ea	1,400.00	1,400.00	2,500.00	2,500.00
22.	Dr Structure, Adj, Add Depth	16	Ft	150.00	2,400.00	250.00	4,000.00
23.	Dr Structure, Tap, 6 inch	29	Ea	100.00	2,900.00	175.00	5,075.00
24.	Dr Structure, Tap, 12 inch	2	Ea	200.00	400.00	250.00	500.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI 48328

Zuniga Cement Construction, Inc.
22500 Ryan Road
Warren, MI 48091

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
25.	_ Dr Structure Cover, Catch Basin	21	Ea	420.00	8,820.00	160.00	3,360.00
26.	_ Dr Structure Cover, Sanitary Manhole	7	Ea	520.00	3,640.00	200.00	1,400.00
27.	_ Dr Structure Cover, Storm Manhole	7	Ea	540.00	3,780.00	200.00	1,400.00
28.	_ External Structure Wrap, 18 inch	7	Ea	425.00	2,975.00	325.00	2,275.00
29.	_ Underdrain, Subgrade, 6 inch, Modified	1,872	Ft	14.00	26,208.00	14.00	26,208.00
30.	Joint, Expansion, E2	180	Ft	15.40	2,772.00	3.00	540.00
31.	Joint, Expansion, E3	7	Ft	12.00	84.00	30.00	210.00
32.	_ Joint, Expansion, Erg, Modified	135	Ft	9.25	1,248.75	4.00	540.00
33.	Lane Tie, Epoxy Anchored	2,650	Ea	5.50	14,575.00	3.50	9,275.00
34.	Pavt Repr, Nonreinf Conc, 7 inch	9,025	Syd	45.25	408,381.25	7.50	67,687.50
35.	Pavt Repr, Rem	9,025	Syd	9.50	85,737.50	55.00	496,375.00
36.	Driveway, Nonreinf Conc, 6 inch	575	Syd	43.50	25,012.50	50.00	28,750.00
37.	Sidewalk Ramp, Conc, 4 inch	1,810	Sft	5.00	9,050.00	7.50	13,575.00
38.	Sidewalk Ramp, Conc, 6 inch	910	Sft	6.00	5,460.00	8.75	7,962.50
39.	_ Detectable Warning Surface, Modified	35	Ft	35.00	1,225.00	40.00	1,400.00
40.	Sign, Type B, Temp, Prismatic, Furn	451	Sft	5.00	2,255.00	8.00	3,608.00
41.	Sign, Type B, Temp, Prismatic, Oper	451	Sft	0.01	4.51	8.00	3,608.00
42.	_ Sign, Type B, Temp, Prismatic, Special, Furn, Modified	451	Sft	10.15	4,577.65	5.00	2,255.00
43.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	451	Sft	0.01	4.51	5.00	2,255.00
44.	_ Traffic Control, Minor Street	7	Ea	800.00	5,600.00	1,800.00	12,600.00
45.	Water, Sodding/Seeding	64	Unit	66.00	4,224.00	50.00	3,200.00
46.	_ Surface Restoration, Hydroseeding	3,000	Syd	6.55	19,650.00	5.00	15,000.00
47.	Monument Preservation	7	Ea	913.50	6,394.50	200.00	1,400.00
48.	_ Irrigation Pipe, Furn and Install	432	Ft	3.55	1,533.60	3.00	1,296.00
49.	_ Sprinkler Head, Adj	37	Ea	66.00	2,442.00	15.00	555.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Great Lakes Contracting Solutions, LLC
2300 Edinburgh
Waterford, MI 48328

Zuniga Cement Construction, Inc.
22500 Ryan Road
Warren, MI 48091

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
50.	_ Sprinkler Head, Furn and Install	37	Ea	66.00	2,442.00	35.00	1,295.00
51.	Traffic Control, Misc. Location	20	Ea	650.00	13,000.00	500.00	10,000.00
TOTAL AMOUNT BID				\$	844,815.77 *	\$	926,709.00
Crew Days		750.00	\$/Day	60.00	45,000.00 *	60.00	45,000.00 *
TOTAL AMOUNT BID WITH CREW DAYS				\$	889,815.77 *	\$	971,709.00 *

* CORRECTED BY ENGINEER



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Merlo Construction Co., Inc.
4964 Technical Drive
Milford, MI 48381

JB Contractors Inc.
2933 Military
Detroit, MI 48209

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
General							
1.	Mobilization, Max 3%	1	LS	30,000.00	30,000.00	30,000.00	30,000.00
2.	Tree, Rem, 6 inch to 18 inch, Modified	2	Ea	250.00	500.00	230.00	460.00
3.	Tree Rem, 19 inch to 36 inch, Modified	45	Ea	1,100.00	49,500.00	1,725.00	77,625.00
4.	Tree Rem, 37 inch or larger, Modified	3	Ea	1,950.00	5,850.00	2,300.00	6,900.00
5.	Stump and Root Rem and Regrade, 6 inch to 18 inch	2	Ea	75.00	150.00	175.00	350.00
6.	Stump and Root Rem and Regrade, 19 inch to 36 inch	45	Ea	150.00	6,750.00	175.00	7,875.00
7.	Stump and Root Rem and Regrade, 37 inch or larger	3	Ea	250.00	750.00	175.00	525.00
8.	_ Geogrid	500	Syd	4.25	2,125.00	5.25	2,625.00
9.	HMA, 13A	20	Ton	175.00	3,500.00	330.00	6,600.00
10.	_ Surface Restoration, Seeding	500	Syd	8.00	4,000.00	4.50	2,250.00
11.	_ Surface Restoration, Sodding	500	Syd	12.00	6,000.00	6.00	3,000.00
12.	_ Audio Visual Record of Construction Area	1	LS	4,975.00	4,975.00	3,200.00	3,200.00
Maintenance							
13.	Sidewalk, Rem	280	Syd	12.00	3,360.00	21.40	5,992.00
14.	_ Driveway, Rem	545	Syd	16.00	8,720.00	9.00	4,905.00
15.	_ Subgrade Undercutting, Type II, Modified	125	Cyd	35.00	4,375.00	25.00	3,125.00
16.	_ Subgrade Undercutting, Type II, Special	125	Cyd	38.00	4,750.00	25.00	3,125.00
17.	_ Erosion Control, Inlet Protection, Siltsack	21	Ea	165.00	3,465.00	100.00	2,100.00
18.	_ Aggregate Base, 6 inch, Modified	2,552	Syd	13.00	33,176.00	12.00	30,624.00
19.	Sewer, CI IV, 12 inch, Tr Det B	31	Ft	165.00	5,115.00	75.00	2,325.00
20.	Dr Structure Cover, Adj, Case 2	29	Ea	425.00	12,325.00	200.00	5,800.00
21.	Dr Structure, 24 inch dia	1	Ea	1,800.00	1,800.00	2,000.00	2,000.00
22.	Dr Structure, Adj, Add Depth	16	Ft	150.00	2,400.00	150.00	2,400.00
23.	Dr Structure, Tap, 6 inch	29	Ea	250.00	7,250.00	250.00	7,250.00
24.	Dr Structure, Tap, 12 inch	2	Ea	275.00	550.00	300.00	600.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Merlo Construction Co., Inc.

4964 Technical Drive

Milford, MI 48381

JB Contractors Inc.

2933 Military

Detroit, MI 48209

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
25.	_ Dr Structure Cover, Catch Basin	21	Ea	325.00	6,825.00	817.00	17,157.00
26.	_ Dr Structure Cover, Sanitary Manhole	7	Ea	465.00	3,255.00	837.50	5,862.50
27.	_ Dr Structure Cover, Storm Manhole	7	Ea	525.00	3,675.00	895.00	6,265.00
28.	_ External Structure Wrap, 18 inch	7	Ea	750.00	5,250.00	400.00	2,800.00
29.	_ Underdrain, Subgrade, 6 inch, Modified	1,872	Ft	16.00	29,952.00	14.75	27,612.00
30.	Joint, Expansion, E2	180	Ft	23.00	4,140.00	23.00	4,140.00
31.	Joint, Expansion, E3	7	Ft	20.00	140.00	7.60	53.20
32.	_ Joint, Expansion, Erg, Modified	135	Ft	14.00	1,890.00	10.25	1,383.75
33.	Lane Tie, Epoxy Anchored	2,650	Ea	11.00	29,150.00	7.00	18,550.00
34.	Pavt Repr, Nonreinf Conc, 7 inch	9,025	Syd	48.00	433,200.00	57.45	518,486.25
35.	Pavt Repr, Rem	9,025	Syd	22.00	198,550.00	12.80	115,520.00
36.	Driveway, Nonreinf Conc, 6 inch	575	Syd	45.00	25,875.00	54.00	31,050.00
37.	Sidewalk Ramp, Conc, 4 inch	1,810	Sft	4.75	8,597.50	7.00	12,670.00
38.	Sidewalk Ramp, Conc, 6 inch	910	Sft	7.00	6,370.00	8.20	7,462.00
39.	_ Detectable Warning Surface, Modified	35	Ft	40.00	1,400.00	37.00	1,295.00
40.	Sign, Type B, Temp, Prismatic, Furn	451	Sft	5.00	2,255.00	5.75	2,593.25
41.	Sign, Type B, Temp, Prismatic, Oper	451	Sft	0.01	4.51	1.00	451.00
42.	_ Sign, Type B, Temp, Prismatic, Special, Furn, Modified	451	Sft	10.00	4,510.00	11.50	5,186.50
43.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	451	Sft	0.01	4.51	1.00	451.00
44.	_ Traffic Control, Minor Street	7	Ea	4,400.00	30,800.00	575.00	4,025.00
45.	Water, Sodding/Seeding	64	Unit	200.00	12,800.00	10.00	640.00
46.	_ Surface Restoration, Hydroseeding	3,000	Syd	4.50	13,500.00	5.00	15,000.00
47.	Monument Preservation	7	Ea	750.00	5,250.00	75.00	525.00
48.	_ Irrigation Pipe, Furn and Install	432	Ft	2.00	864.00	3.00	1,296.00
49.	_ Sprinkler Head, Adj	37	Ea	10.00	370.00	50.00	1,850.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Merlo Construction Co., Inc.
4964 Technical Drive
Milford, MI 48381

JB Contractors Inc.
2933 Military
Detroit, MI 48209

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
50.	_ Sprinkler Head, Furn and Install	37	Ea	50.00	1,850.00	75.00	2,775.00
51.	Traffic Control, Misc. Location	20	Ea	500.00	10,000.00	1,500.00	30,000.00
TOTAL AMOUNT BID				\$	1,041,863.52	\$	1,046,755.45
Crew Days				750.00 \$/Day	60.00	45,000.00	60.00
TOTAL AMOUNT BID WITH CREW DAYS				\$	1,086,863.52	\$	1,091,755.45

* CORRECTED BY ENGINEER



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Audia Concrete Construction, Inc.

PO Box 72

Milford, MI 48381

GV Cement Contracting Co.

20000 Dix-Toledo

Brownstown, MI 48183

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
General							
1.	Mobilization, Max 3%	1	LS	31,000.00	31,000.00	10,000.00	10,000.00
2.	Tree, Rem, 6 inch to 18 inch, Modified	2	Ea	990.00	1,980.00	2,000.00	4,000.00
3.	Tree Rem, 19 inch to 36 inch, Modified	45	Ea	1,350.00	60,750.00	3,500.00	157,500.00
4.	Tree Rem, 37 inch or larger, Modified	3	Ea	2,200.00	6,600.00	3,500.00	10,500.00
5.	Stump and Root Rem and Regrade, 6 inch to 18 inch	2	Ea	300.00	600.00	1,000.00	2,000.00
6.	Stump and Root Rem and Regrade, 19 inch to 36 inch	45	Ea	350.00	15,750.00	1,000.00	45,000.00
7.	Stump and Root Rem and Regrade, 37 inch or larger	3	Ea	350.00	1,050.00	1,000.00	3,000.00
8.	_ Geogrid	500	Syd	2.00	1,000.00	4.00	2,000.00
9.	HMA, 13A	20	Ton	350.00	7,000.00	150.00	3,000.00
10.	_ Surface Restoration, Seeding	500	Syd	5.00	2,500.00	9.00	4,500.00
11.	_ Surface Restoration, Sodding	500	Syd	8.00	4,000.00	12.00	6,000.00
12.	_ Audio Visual Record of Construction Area	1	LS	2,800.00	2,800.00	6,000.00	6,000.00
Maintenance							
13.	Sidewalk, Rem	280	Syd	12.00	3,360.00	6.00	1,680.00
14.	_ Driveway, Rem	545	Syd	12.00	6,540.00	6.00	3,270.00
15.	_ Subgrade Undercutting, Type II, Modified	125	Cyd	39.00	4,875.00	25.00	3,125.00
16.	_ Subgrade Undercutting, Type II, Special	125	Cyd	40.00	5,000.00	25.00	3,125.00
17.	_ Erosion Control, Inlet Protection, Siltsack	21	Ea	148.00	3,108.00	150.00	3,150.00
18.	_ Aggregate Base, 6 inch, Modified	2,552	Syd	13.00	33,176.00	8.00	20,416.00
19.	Sewer, CI IV, 12 inch, Tr Det B	31	Ft	120.00	3,720.00	75.00	2,325.00
20.	Dr Structure Cover, Adj, Case 2	29	Ea	590.00	17,110.00	500.00	14,500.00
21.	Dr Structure, 24 inch dia	1	Ea	2,800.00	2,800.00	1,800.00	1,800.00
22.	Dr Structure, Adj, Add Depth	16	Ft	190.00	3,040.00	500.00	8,000.00
23.	Dr Structure, Tap, 6 inch	29	Ea	170.00	4,930.00	600.00	17,400.00
24.	Dr Structure, Tap, 12 inch	2	Ea	225.00	450.00	800.00	1,600.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Audia Concrete Construction, Inc.

PO Box 72

Milford, MI 48381

GV Cement Contracting Co.

20000 Dix-Toledo

Brownstown, MI 48183

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
25.	_ Dr Structure Cover, Catch Basin	21	Ea	700.00	14,700.00	550.00	11,550.00
26.	_ Dr Structure Cover, Sanitary Manhole	7	Ea	700.00	4,900.00	550.00	3,850.00
27.	_ Dr Structure Cover, Storm Manhole	7	Ea	700.00	4,900.00	550.00	3,850.00
28.	_ External Structure Wrap, 18 inch	7	Ea	550.00	3,850.00	350.00	2,450.00
29.	_ Underdrain, Subgrade, 6 inch, Modified	1,872	Ft	14.00	26,208.00	14.00	26,208.00
30.	Joint, Expansion, E2	180	Ft	20.00	3,600.00	10.00	1,800.00
31.	Joint, Expansion, E3	7	Ft	20.00	140.00	14.00	98.00
32.	_ Joint, Expansion, Erg, Modified	135	Ft	20.00	2,700.00	12.00	1,620.00
33.	Lane Tie, Epoxy Anchored	2,650	Ea	7.00	18,550.00	2.00	5,300.00
34.	Pavt Repr, Nonreinf Conc, 7 inch	9,025	Syd	64.00	577,600.00	65.00	586,625.00
35.	Pavt Repr, Rem	9,025	Syd	9.00	81,225.00	8.00	72,200.00
36.	Driveway, Nonreinf Conc, 6 inch	575	Syd	60.00	34,500.00	63.00	36,225.00
37.	Sidewalk Ramp, Conc, 4 inch	1,810	Sft	9.00	16,290.00	12.00	21,720.00
38.	Sidewalk Ramp, Conc, 6 inch	910	Sft	10.00	9,100.00	14.00	12,740.00
39.	_ Detectable Warning Surface, Modified	35	Ft	120.00	4,200.00	80.00	2,800.00
40.	Sign, Type B, Temp, Prismatic, Furn	451	Sft	5.00	2,255.00	20.00	9,020.00
41.	Sign, Type B, Temp, Prismatic, Oper	451	Sft	0.01	4.51	20.00	9,020.00
42.	_ Sign, Type B, Temp, Prismatic, Special, Furn, Modified	451	Sft	10.00	4,510.00	20.00	9,020.00
43.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	451	Sft	0.01	4.51	20.00	9,020.00
44.	_ Traffic Control, Minor Street	7	Ea	500.00	3,500.00	5,000.00	35,000.00
45.	Water, Sodding/Seeding	64	Unit	50.00	3,200.00	1,500.00	96,000.00
46.	_ Surface Restoration, Hydroseeding	3,000	Syd	4.00	12,000.00	10.00	30,000.00
47.	Monument Preservation	7	Ea	300.00	2,100.00	500.00	3,500.00
48.	_ Irrigation Pipe, Furn and Install	432	Ft	11.00	4,752.00	25.00	10,800.00
49.	_ Sprinkler Head, Adj	37	Ea	30.00	1,110.00	10.00	370.00



TABULATION OF BIDS

CITY OF LIVONIA

2021 CONCRETE ROAD REPAIR PROGRAM

CONTRACT 21-J - MAINTENANCE

AEW PROJECT NO. 0263-0025

Audia Concrete Construction, Inc.

PO Box 72

Milford, MI 48381

GV Cement Contracting Co.

20000 Dix-Toledo

Brownstown, MI 48183

Item No.	Description	Estimated Quantity	Units	Unit Price	Amount	Unit Price	Amount
50.	_ Sprinkler Head, Furn and Install	37	Ea	50.00	1,850.00	30.00	1,110.00
51.	Traffic Control, Misc. Location	20	Ea	450.00	9,000.00	1,500.00	30,000.00
TOTAL AMOUNT BID				\$	1,069,888.02	\$	1,365,787.00
Crew Days				750.00 \$/Day	60.00	45,000.00	100.00
TOTAL AMOUNT BID WITH CREW DAYS				\$	1,114,888.02	\$	1,440,787.00

* CORRECTED BY ENGINEER

BID FORM
CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW Project No. 0263-0024

BID SUBMITTED BY: HARD ROCK CONCRETE INC.
Company Name

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ARTICLE 1 – BID RECIPIENT

- 1.01 This Bid is submitted to:

*City Clerk
City of Livonia
33000 Civic Center Drive
Livonia, Michigan 48154*

- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No.

Addendum, Date

_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site, if any, and all drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if

any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder is aware that the Owner's decision to proceed with the Project is subject to Owner's determination that all legal, financial and grant approvals, conditions and requirements have been received or met and the funding necessary to complete the project is in hand, and that if all of the foregoing has not been received, the Owner may elect not to proceed with the project in which case no bidder shall have a claim of any kind in contract, tort, equity or otherwise, against the Owner.
- L. Bidders acknowledge that Owner retains the unrestricted right not to proceed with the project and to reject all Bids received. In either case, Owner shall not be liable to any Bidder under any theory including contract, tort, equity or otherwise.
- M. Bidder acknowledges that the unexpected presence and location of existing underground utilities and resulting conflicts with such utilities are ordinarily encountered and generally recognized as inherent in subsurface sewer and appurtenant work in areas that have been previously developed.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s): **See Next Page**

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW PROJECT NO. 0263-0024

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
GENERAL					
1.	_ Reimbursed Permit Fees	5,000	Dir	\$ 1.00	\$ 5,000.00
2.	Mobilization, Max 3%	1	LS	52,500.00	52,500.00
3.	_ Tree, Rem, 19 inch to 36 inch, Modified	32	Ea	1,000.00	32,000.00
4.	_ Tree, Rem, 37 inch or Larger, Modified	16	Ea	1,700.00	27,200.00
5.	_ Tree, Rem, 6 inch to 18 inch, Modified	1	Ea	250.00	250.00
6.	Sewer, Rem, Less than 24 inch	50	Ft	10.00	500.00
7.	_ Geogrid	500	Syd	3.75	1,875.00
8.	_ Tree Root, Grind	5	Ea	250.00	1,250.00
9.	_ Surface Restoration, Seeding	500	Syd	6.00	3,000.00
10.	_ Surface Restoration, Sodding	500	Syd	4.50	2,250.00
11.	_ Audio Visual Record of Construction Area	1	LS	5,500.00	5,500.00
MAINTENANCE					
12.	Sidewalk, Rem	22	Syd	6.00	132.00
13.	_ Driveway, Rem	615	Syd	6.00	3,690.00
14.	_ Subgrade Undercutting, Type II, Modified	13	Cyd	30.00	390.00
15.	_ Subgrade Undercutting, Type II, Special	13	Cyd	30.00	390.00
16.	_ Erosion Control, Inlet Protection, Siltsack	27	Ea	125.00	3,375.00
17.	_ Aggregate Base, 6 inch, Modified	5,606	Syd	9.00	50,454.00
18.	_ Maintenance Gravel, Modified	13	Ton	25.00	325.00
19.	Dr Structure Cover, Adj, Case 2	35	Ea	350.00	12,250.00
20.	Dr Structure, Adj, Add Depth	19	Ft	250.00	4,750.00

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW PROJECT NO. 0263-0024

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
21.	Dr Structure, Tap, 6 inch	57	Ea	100.00	5,700.00
22.	_ Dr Structure Cover, Catch Basin	31	Ea	350.00	10,850.00
23.	_ Dr Structure Cover, Sanitary Manhole	13	Ea	475.00	6,175.00
24.	_ Dr Structure Cover, Storm Manhole	14	Ea	475.00	6,650.00
25.	_ External Structure Wrap, 18 inch	13	Ea	800.00	10,400.00
26.	_ Underdrain, Subgrade, 6 inch, Modified	3,045	Ft	12.00	36,540.00
27.	HMA Surface, Rem	13	Syd	12.00	156.00
28.	HMA, 13A	13	Ton	350.00	4,550.00
29.	Joint, Expansion, E2	53	Ft	20.00	1,060.00
30.	Joint, Expansion, E3	57	Ft	20.00	1,140.00
31.	_ Joint, Expansion, Erg, Modified	13	Ft	20.00	260.00
32.	Lane Tie, Epoxy Anchored	4,410	Ea	5.00	22,050.00
33.	Non-Chloride Accelerator	13	Gal	1.00	13.00
34.	Pavt Repr, Nonreinf Conc, 7 inch	10,759	Syd	42.00	451,878.00
35.	Pavt Repr, Rem	10,759	Syd	6.00	64,554.00
36.	Driveway, Nonreinf Conc, 6 inch	650	Syd	42.00	27,300.00
37.	Sidewalk Ramp, Conc, 4 inch	13	Sft	5.25	68.25
38.	Sidewalk Ramp, Conc, 6 inch	87	Sft	6.00	522.00
39.	_ Detectable Warning Surface, Modified	22	Ft	40.00	880.00
40.	Sign, Type B, Temp, Prismatic, Furn	975	Sft	5.25	5,118.75
41.	Sign, Type B, Temp, Prismatic, Oper	975	Sft	0.01	9.75
42.	_ Sign, Type B, Temp, Prismatic, Special, Furn, Modified	975	Sft	9.50	9,262.50
43.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	975	Sft	0.01	9.75

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW PROJECT NO. 0263-0024

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
44.	_ Traffic Control, Minor Street	13	Ea	1,500.00	19,500.00
45.	Water, Sodding/Seeding	108	Unit	80.00	8,640.00
46.	_ Surface Restoration, Hydroseeding	2,000	Syd	4.75	9,500.00
47.	Monument Preservation	13	Ea	50.00	650.00
48.	_ Irrigation Pipe, Furn and Install	329	Ft	1.50	493.50
49.	_ Sprinkler Head, Adj	22	Ea	6.75	148.50
50.	_ Sprinkler Head, Furn and Install	32	Ea	37.00	1,184.00
RECONSTRUCTION					
51.	Pavt, Rem	47,236	Syd	5.00	236,180.00
52.	Sidewalk, Rem	1,111	Syd	6.00	6,666.00
53.	_ Driveway, Rem	5,071	Syd	6.00	30,426.00
54.	_ Station Grading	146	Sta	850.00	124,100.00
55.	_ Subgrade Undercutting, Type II, Modified	5,066	Cyd	30.00	151,980.00
56.	_ Subgrade Undercutting, Type II, Special	2,534	Cyd	30.00	76,020.00
57.	_ Erosion Control, Inlet Protection, Siltsack	91	Ea	95.00	8,645.00
58.	_ Aggregate Base, 8 inch, Modified	50,501	Syd	7.50	378,757.50
59.	_ Maintenance Gravel, Modified	2,534	Ton	20.00	50,680.00
60.	Dr Structure Cover, Adj, Case 2	112	Ea	350.00	39,200.00
61.	Dr Structure, Adj, Add Depth	45	Ft	225.00	10,125.00
62.	Dr Structure, Tap, 6 inch	180	Ea	150.00	27,000.00
63.	_ Dr Structure Cover, Catch Basin	92	Ea	350.00	32,200.00
64.	_ Dr Structure Cover, Sanitary Manhole	22	Ea	450.00	9,900.00
65.	_ Dr Structure Cover, Storm Manhole	26	Ea	450.00	11,700.00

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW PROJECT NO. 0263-0024

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
66.	_ External Structure Wrap, 18 inch	22	Ea	800.00	17,600.00
67.	_ Underdrain, Subgrade, 6 inch, Modified	27,428	Ft	11.00	301,708.00
68.	HMA Surface, Rem	598	Syd	10.00	5,980.00
69.	HMA, 13A	21	Ton	100.00	2,100.00
70.	Conc Pavt with Integral Curb, Nonreinf, 7 inch	43,411	Syd	41.00	1,779,851.00
71.	Conc Pavt with Integral Curb, Nonreinf, 9 inch	3,825	Syd	46.00	175,950.00
72.	Joint, Contraction, Cp	2,225	Ft	15.00	33,375.00
73.	Joint, Expansion, E2	1,464	Ft	20.00	29,280.00
74.	Joint, Expansion, E3	385	Ft	20.00	7,700.00
75.	_ Joint, Expansion, Erg, Modified	48	Ft	20.00	960.00
76.	Lane Tie, Epoxy Anchored	626	Ea	5.00	3,130.00
77.	Non-Chloride Accelerator	21	Gal	1.00	21.00
78.	Driveway, Nonreinf Conc, 6 inch	5,481	Syd	41.00	224,721.00
79.	Sidewalk Ramp, Conc, 4 inch	5,476	Sft	5.00	27,380.00
80.	Sidewalk Ramp, Conc, 6 inch	3,301	Sft	5.50	18,155.50
81.	_ Detectable Warning Surface, Modified	346	Ft	40.00	13,840.00
82.	Sign, Type B, Temp, Prismatic, Furn	1,501	Sft	6.00	9,006.00
83.	Sign, Type B, Temp, Prismatic, Oper	1,501	Sft	0.01	15.01
84.	_ Sign, Type B, Temp, Prismatic, Special, Furn, Modified	1,501	Sft	10.00	15,010.00
85.	_ Sign, Type B, Temp, Prismatic, Special, Oper, Modified	1,501	Sft	0.01	15.01
86.	_ Traffic Control, Minor Street	21	Ea	1,500.00	31,500.00
87.	Water, Sodding/Seeding	507	Unit	80.00	40,560.00

CITY OF LIVONIA
2021 CONCRETE ROAD REPAIR PROGRAM
CONTRACT 21-C
RECONSTRUCTION
AEW PROJECT NO. 0263-0024

<u>Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
88.	_ Surface Restoration, Hydroseeding	9,371	Syd	4.50	42,169.50
89.	Monument Preservation	21	Ea	50.00	1,050.00
90.	_ Irrigation Pipe, Furn and Install	3,521	Ft	1.50	5,281.50
91.	_ Sprinkler Head, Adj	175	Ea	6.75	1,181.25
92.	_ Sprinkler Head, Furn and Install	175	Ea	37.00	6,475.00
Total of all Bid Prices					\$ 4,899,938.27
Crew Days (200 Min)		250	Days	750	187,500.00
Total of All Bid Prices, Including Crew Days					\$5,087,438.27

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and Final Payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete on or before October 30, 2021 and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General conditions on or before November 15, 2021.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. List of Project References;
- E. Preliminary Progress Schedule; and
- F. Required Bidder Qualification Statement with supporting data.

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

Hard Rock Concrete Inc.

By: *[Signature]*

[Printed name] Tony Grimaldi

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Title: President

Attest: *[Signature]*

[Printed name] Gina Sullivan

Submittal Date: March 2, 2021

Address for giving notice:

31846 Abruzzi Drive

Westland, Michigan 48185

Telephone Number: (734) 641-3333

Fax Number: (734) 641-7270

Contact Name and e-mail address: Tony Grimaldi

office@hardrockconcretemi.com

Bidder's License No.: 2102100846

(where applicable)