

ADDENDUM NO. 1 2023 ROAD REHABILITATION PROGRAM CITY OF GROSSE POINTE FARMS

ISSUED: March 28, 2023

INTENT:

This Addendum No. 1 is issued prior to receipt of bids to provide for certain changes and clarifications to the specifications and/or the plans, as herein specified, and is hereby made a part of the Contract Documents and shall be taken into consideration in preparing the Proposal. The General Conditions and Specifications for the original work and the Contract Drawings are to govern this work unless otherwise revised herein. All other conditions remain the same.

The Bidder shall acknowledge the receipt of this Addendum on Page 00300/4 of the Proposal.

ADDENDUM NO. 1 GENERAL

Specification Changes

- 1. Section 00010 Table of Contents (Reissued)
 - a. Added Section 00301 Bid Form
 - b. Added Section 01001 Progress Clause
- 2. Section 00030 Advertisement for Bids (Reissued)
 - a. Added Alternate II to project description and list of key items.
- 3. Section 00300 Proposal: (Reissued)
 - a. Bid Items and unit costs have been moved from Section 00300 Proposal to Section 00301 Bid Form. <u>Both</u> the Proposal and the Bid Form worksheet must be completed for the bid to be considered responsive.
 - b. New Alternate II Vendome Road (Grosse Pointe Blvd to Kercheval)
 - i. Added alternate item for another section of road rehabilitation consisting of a 3 inch mill and overlay with curb, driveway and sidewalk replacement as needed.
- 4. Section 00301 Bid Form (New)
 - a. Provided worksheet for unit prices to accompany Proposal. <u>Both</u> the Proposal and the Bid Form worksheet must be completed for the bid to be considered responsive.
 - b. Division I Kercheval Ave (Fisher to Muir)
 - i. Item #15 Void Reducing Asphalt Membrane, Spray (J-Band Type) quantity changed from 1,570 Lft to **4,710 Lft**.
 - ii. Item #5 "Sidewalk, Rem" Added additional quantity (38 Syd to **41 Syd**)
 - iii. Item #20 "Sidewalk Ramp, Conc, Mix 3500, 6 inch" Added additional quantity (240 Sft to 267 Sft)
 - iv. Item #22 "Detectable Warning Surface, Cast Iron" Added additional quantity (4 Ea to **5 Ea**)
 - v. Item #23 "Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk" Added additional quantity (960 Lft to 1,050 Lft)
 - vi. Item #24 "Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk" Added additional quantity (230 Lft to **375 Lft**)

555 Hulet Drive Bloomfield Hills, MI 48302-0360

248-454-6300

www.hrcengr.com

HRC Job No. 20221061



- c. Division II Kercheval Ave (Muir to Moross)
 - i. Item #15 Void Reducing Asphalt Membrane, Spray (J-Band Type) quantity changed from 5,450 Lft to **10,900 Lft**.
- d. Alternate I Kercheval Ave (Moross to Provencal)
 - i. Item #15 Void Reducing Asphalt Membrane, Spray (J-Band Type) quantity changed from 2,500 Lft to **7,500 Lft**.
- e. New Alternate II Vendome Road (Grosse Pointe Blvd to Kercheval)
 - i. Added alternate item for another section of road rehabilitation consisting of a 3 inch mill and overlay with curb, driveway and sidewalk replacement as needed.
- f. Division VI Item #1 Incorrect item name, corrected item from "Erosion Control, Inlet Protection, Fabric Drop" to "Mobilization, Max 5%".
- g. Division VII corrected item numbers.
- 5. Section 01001 Progress Clause (New)
 - a. New specification with details on the required completion date and scheduling information.
- 6. Section 01010 Special Project Notes (Reissued)
 - a. Added Alternate II to project description.

Drawing Changes

- 1. Cover
 - a. Added Alternate II to index and map
- 2. DT-1 Curb and Pavement Details
 - a. Added Alternate II (Vendome Rd) to applicable base repair detail.
- 3. TY-5 Typical Sections
 - a. Added typical section for Alternate II, Vendome Rd
- 4. CP-2 Construction Plan Sta 10+50 to Sta 21+50
 - a. Added new crosswalk and sidewalk ramp in downtown section of Kercheval.
- 5. MT-1 through MT-5
 - a. Added Maintenance of Traffic Plans for Kercheval, Ridge & Merriweather.

Responses to Submitted Bidder Inquiries:

- **QUESTION**: When can this project be started? **RESPONSE**: See attached Progress Clause.
- QUESTION: Should each division be treated as its own phase? Will tweaking of limits after award be allowed? RESPONSE: Each division can be treated as its own phase. The City reserves the right to award any combination of divisions and to adjust limits of divisions after award.
- **QUESTION**: Will signage on all cross streets leading into Kercheval be required or just major ones? **RESPONSE**: See attached Maintenance of Traffic Plans.
- **QUESTION**: Do the specifications allow for 15% Reclaimed Asphalt Pavement (RAP) in the 5EML HMA? **RESPONSE**: Correct, Section 02511 allows for a maximum of 15% RAP in the HMA.



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- **QUESTION**: Are there any time/schedule restrictions due to the school zone or other restrictions? **RESPONSE**: See attached Progress Clause for scheduling and project completion details.
- QUESTION: Will temporary striping be required after milling? RESPONSE: Temporary striping will <u>not</u> be required.
- **QUESTION**: Will use of city Hydrants require a meter and fees?

RESPONSE: Use of a city hydrant will require the contractor to have a hydrant permit. A hydrant permit application can be obtained at the Department of Public Service desk at City Hall. The contractor will be responsible for providing a backflow preventer. The City will also add a meter on the hydrant and charge the contractor for water usage.

QUESTION: The detectable warning plates are listed as "Each" on the bid form. Is each location considered One, or is it per Plate?

RESPONSE: The pay item for detectable warning surface is for one 2' x 4' plate, ADA Solutions Brick Red or approved equal.

QUESTION: Is the intent to use either the void reducing asphalt membrane, spray (J-Band Type) or the stress absorbing membrane interlayer (SAMI) (Fibermat Type B)? Will placing both membrane items reduce the effectiveness of the reflective cracks?

RESPONSE: The J-Band is only placed along the new HMA joints to seal the joint of the new surface. The SAMI is placed on the entire pavement surface prior to the new HMA surface being paved with the goal of preventing reflective cracking. Both items will be used in this project in the divisions shown.

Summary:

This Addendum No. 1 has been issued in order to clarify, modify, and add additional items to the original Bid Package. The Contractor shall acknowledge receipt of this Addendum No. 1 by signing in the location provided below and incorporating this Addendum No. 1 with the submission of his bid.

Failure to include Addendum No. 1 and its attachments may result in rejection of the bid.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

Edward Zmich Project Manager

Attachments: Section 00010 – Table of Contents, Section 00030 – Advertisement for Bids, Section 00300 – Proposal, Section 00301 – Bid Form, Section 01001 – Progress Clause, Section 01010 – Special Project Notes, Addendum 1 Plans

pc: All Prospective Bidders City of Grosse Pointe Farms; Matt Baka, Shane Reeside HRC; J. VanDeCreek, File



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Accepted:		
Company:		
Signature:		
Printed Name:		
Title:		
Dated:		

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CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM

NUMBER

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ADVERTISEMENT FOR BIDS 2023 ROAD IMPROVEMENT PROGRAM CITY OF GROSSE POINTE FARMS WAYNE COUNTY, MICHIGAN

Sealed proposals for the 2023 Road Rehabilitation Program will be received by the City Clerk for the City of Grosse Pointe Farms, until <u>11:00 a.m., Local Time on Thursday, March 30th, 2023</u>. The City of Grosse Pointe Farms has requested that their Engineer, Hubbell, Roth & Clark, Inc., receive Proposals directly on their behalf. **Bidders shall submit electronic copies of Proposals to:**

Eddie Zmich; ezmich@hrcengr.com

Bidders shall review and comply with the Instructions to Bidders, which are incorporated by reference, and carefully review all Contract Documents, as defined in the Instructions to Bidders. Bids submitted after the exact time specified for, receipt will not be considered.

The Contracts will consist of the following principal items of work and appurtenances as specified herein and shown on the Contract Drawings.

Description of Work

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5 P M Work for this project is separated into eight (8) divisions scheduled to be completed at and within the following locations and limits:

• Division I - Kercheval Rd (Fisher to Muir)

<u>Key Items</u>	
Cold Milling HMA Surface, 2"	8,362 Syd
HMA, 5EML MOD, 2"	1,020 Ton
Void Reducing Asphalt Membrane, Spray (J-Band Type)	4,710 Lft
Stress Absorbing Membrane Interlayer (Fibermat Type B)	

• Division II - Kercheval Rd (Muir to Moross)

<u>Key Items</u>	
Cold Milling HMA Surface, 2"	23,402 Syd
HMA, 5EML MOD, 2"	2,840 Ton
Void Reducing Asphalt Membrane, Spray (J-Band Type)	10,900 Lft
Stress Absorbing Membrane Interlayer (Fibermat Type B)	23,402 Syd
Curb, Conc, MDOT Det E4	550 Ft
Concrete Curb Capping	550 Ft
Sidewalk Ramp, Conc, Mix 3500, 6"	3,420 Sft
Sidewalk, Conc, Mix 3500, 4"	1,425 Sft

• Division III - Ridge Rd (Fisher to Muir)

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•	Division IV - Ridge Rd (Muir to Moran)	
	Key Items	
	Cold Milling HMA Surface, 3"	
	HMA, 5EML MOD, 3"	700 Ton
	Curb, Conc, MDOT Det E4	400 Ft
	Concrete Curb Capping	400 Ft
•	Division V - Merriweather Rd (Charlevoix to Beaupre)	
	Key Items	
	Cold Milling HMA Surface, 3"	2,482 Syd
	HMA, 5EML MOD, 3"	
	Curb, Conc, MDOT Det E4	
	Concrete Curb Capping	
	Sidewalk Ramp, Conc, Mix 3500, 6"	
	Sidewalk, Conc, Mix 3500, 4"	
•	Division VI – Newberry Place (Grosse Pointe Blvd. to Lake Shore)	
•	Key Items	
		710 Sud
	Pavt, Rem, Special	
	Excavation, Earth Conc Pavt with Integral Curb, Nonreinf, 7 inch	
	e ,	•
	Aggregate Base, MDOT 21AA, Limestone	
	Aggregate Base, 1X3	2/0 I on
٠	Division VII - Overband Crack Sealing/HMA Crack Treatment (various local roads)	
	Key Items	
	Overband Crack Fill, Lane	10 Ln Mi
•	Alternate I – Kercheval Rd (Moross to Provencal)	
	Key Items	
	Cold Milling HMA Surface, 2"	13,287 Syd
	HMA, 5EML MOD, 2"	1,610 Ton
	Void Reducing Asphalt Membrane, Spray (J-Band Type)	7,500 Lft
	Stress Absorbing Membrane Interlayer (Fibermat Type B)	13,287 Syd
	Curb, Conc, MDOT Det E4	
	Concrete Curb Capping	
•	Alternate II – Vendome Rd (Grosse Pointe Blvd to Kercheval)	
	Key Items	
	Cold Milling HMA Surface, 3"	2 750 Svd
	HMA, 5EML MOD, 3"	
	Curb, Conc, MDOT Det E4	
	Concrete Curb Capping	100 Fl

The first five (5) divisions include 2" or 3" mill and overlay; full-depth base repairs; curb capping/remove and replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; pavement marking replacement and restoration of disturbed lawn areas, as required. Division VI consists of concrete panel replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and

ramp replacement; restoration of disturbed lawn areas, as required. Division VII consists of overband crack sealing and HMA crack treatment. All Divisions and Alternates will need to be quoted in order for the overall bid to be considered responsive.

<u>Plans and Specifications will only be available online at the Michigan Inter-governmental Trade Network</u> (<u>MITN</u>) <u>Purchasing Group site, http://www.mitn.info</u> beginning <u>Tuesday, March 07, 2023</u>. Hard copies of Plans and Specifications will not be available for purchase. The Bidder is advised that in order to submit a bid on this project, the Bidder must download and complete the Proposal Form (Section 00300) and include the required bid deposit with their bid submission. The original bid deposit for the low bidder will be required to be submitted to the City following the bid letting.

Proposals submitted by Bidders who have been debarred, suspended, or made ineligible by any Federal Agency will be rejected.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

Each bid proposal shall be submitted electronically on the proposal forms provided and shall be accompanied by a scanned copy of a certified check, cashier's check or bid bond, executed by the bidder and Surety Company, payable to the City of Grosse Pointe Farms in the amount of Five Percent (5.00%) of the accompanying bid. Proposal Guarantee shall provide assurance that the bidder will, upon acceptance of the bid, execute the necessary Contract with the City of Grosse Pointe Farms. No bid may be withdrawn after scheduled closing time for receiving bids for at least sixty (60) days.

The successful bidder will be required to furnish satisfactory Performance, Labor and Material, and Maintenance and Guarantee Bonds.

Bidders are to submit any questions via email to Eddie Zmich at Hubbell, Roth & Clark, Inc. at ezmich@hrcengr.com by 4:00pm on Friday, March 24, 2023. No questions or inquiries will be responded to after this date.

The City of Grosse Pointe Farms reserves the right to reject all bids and to waive irregularities in bidding.

No Proposal will be accepted unless received electronically by Hubbell, Roth & Clark, Inc. at the email address listed above on or before <u>11:00 am on Thursday, March 30th, 2023</u>.

Labeled as: Proposals for: 2023 Road Rehabilitation Program Grosse Pointe Farms, Wayne County Michigan HRC Job No. 20221061

CITY OF GROSSE POINTE FARMS

This Ad can be found on the <u>Michigan Inter-governmental Trade Network (MITN) Purchasing Group site</u>, http://www.mitn.info.

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PROPOSAL FOR 2023 ROAD REHABILITATION PROGRAM CITY OF GROSSE POINTE FARMS WAYNE COUNTY, MICHIGAN

City of Grosse Pointe Farms 90 Kerby Rd. Grosse Pointe Farms, MI 48236

(Electronic) Bids Due: Thursday, March 30th, 2023 On or Before 11:00 am, Local Time HRC Job No. 20221061

To Prospective Bidders:

Name of Bidder:

Address:

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 Date:

 Fax:

The above, as Bidder, hereby declares this bid is made in good faith without fraud or collusion with any persons bidding, and that the Drawings, Specifications, and all other information referenced in the Instructions to Bidders have been examined. Further, the Bidder is familiar with the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to the performance of the Contract.

The Bidder acknowledges that no representations or warranties of any nature whatsoever have been received, or are relied upon from the City of Grosse Pointe Farms, its agents or employees, as to any conditions to be encountered in accomplishing the work and that the bid is based solely upon the Bidder's own independent judgment.

The above, as Bidder, hereby certifies that the Drawings, Specifications, and other data provided by the Owner for bidding purposes have been examined. Further, the undersigned certifies that the proposed construction methods have been reviewed and found acceptable for the conditions which can be anticipated from the information provided for bidding.

The Bidder hereby affirms that the site of work has been inspected and further declares that no charges in addition to the Individual Unit Prices shall be made on account of any job circumstances or field conditions which were present and/or ascertainable prior to the bidding. In addition, The Contractor, as such and as Bidder, shall make the determination as to existing soil conditions and shall also complete the work under whatever conditions the Contractor/Bidder's sequence of construction, construction methods, or other conditions the Contractor/Bidder may create, at no additional cost to the Owner.

The above, as Bidder, confirms knowledge of the location of the proposed 2023 Road Rehabilitation Program and appurtenant construction in the City of Grosse Pointe Farms, Wayne County, Michigan, and the conditions under which it must be constructed; and also declares to have carefully examined the Drawings, Specifications, and Contract Documents which the Bidder understands and accepts as sufficient for the purpose of constructing said 2023 Road Rehabilitation Program, and appurtenant work, and agrees to contract with the City of Grosse Pointe Farms to furnish all labor, materials, tools, equipment, facilities and supervision necessary to do all the work specified and prescribed for the City of Grosse Pointe Farms, in strict accordance with the Owner's General y

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0 P M Conditions, and with the full intent of the Drawings and Specifications, prepared by Hubbell, Roth & Clark, Consulting Engineers, and will accept in full payment therefore the sum of:

Work for this project is separated into eight (8) divisions scheduled to be completed at and within the following locations and limits:

- Division I Kercheval Rd (Fisher to Muir)
- Division II Kercheval Rd (Muir to Moross)
- Division III Ridge Rd (Fisher to Muir)
- Division IV Ridge Rd (Muir to Moran)
- Division V Merriweather Rd (Charlevoix to Beaupre)
- Division VI Newberry Place
- Division VII Overband Crack Sealing/HMA Crack Treatment

The first five (5) divisions include 2" or 3" mill and overlay; full-depth base repairs; curb capping/remove and replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; pavement marking replacement and restoration of disturbed lawn areas, as required. Division VI consists of concrete panel replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; restoration of disturbed lawn areas, as required. Division VII consists of overband crack sealing and HMA crack treatment. All Divisions will need to be quoted in order for the overall bid to be considered responsive.

(REFER TO THE COST WORKSHEET AT THE END OF THIS SECTION FOR THE BID FORM)

Bidders must complete the included Bid Form Worksheet with unit prices for each item. Bidders must submit unit prices for all items in the Bid Form Worksheet to be considered a successful responsible bidder.

ALTERNATES

Voluntary Alternates proposed by the Bidder will not be considered. The Bidder shall submit a bid based on the information shown on the Drawings and Specifications. Alternates listed below are for the Owner's convenience and shall be priced as indicated by the work description. All alternates shall be clearly marked whether they represent an addition or deduction to the Base Bid Price quoted herein. All Alternates which are quoted shall be complete and the price shall include all Bidder mark-ups. Each Alternate shall be clearly marked if it represents an Add or a Deduct from the Base Bid Price.

<u>ALTERNATE I – Kercheval Ave (Moross to Provencal)</u> <u>ALTERNATE II – Vendome Rd (Grosse Pointe Blvd to Kercheval)</u>

(REFER TO THE COST WORKSHEET AT THE END OF THIS SECTION FOR THE BID FORM)

OWNERS RIGHTS

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0 P M The owner reserves the right to award any combination of Divisions and Alternates, depending on the availability of City funds at the time of bid letting.

The Owner reserves the right to add or delete items and/or quantities from the Contract or to delete any of the Divisions and/or Alternates from the Contract. Deletion of items and/or quantities or of any of the Divisions or Alternates by the Owner shall not be grounds for the qualified low-bidder to adjust unit prices for the other Divisions or Alternates that the Owner intends to execute as a Contract, nor shall the Contractor be entitled to compensation from unrealized profits resulting from the deletion of items and/or quantities or of any Division and/or Alternate from the Contract. Bid unit prices are to be held firm for the duration of the project regardless of any potential changes that may occur in market value during the contractual period.

The Owner, at its sole discretion, reserves the right to award to the Bidder who, in the sole determination of the Owner, will best serve the interest of the Owner. The Owner reserves the right to accept any bid, to reject any or all bids, to waive any and all informalities involving price, time, or changes in the work, and to negotiate contract terms with the successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced or conditional bids. However, it is the intention of the Owner to award to the low total bid to one bidder. Also, the Owner reserves the right to reject the bid of any Bidder if the Owner believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the bid is not responsive or the Bidder is unqualified, of doubtful financial ability, or fails to meet any other pertinent standard or criteria established by the Owner.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

BID DEPOSITS

The Bidder is advised that in order to submit a bid on this project, the Bidder must complete the Proposal Form (Section 00300) and a **scanned copy of their bid deposit** (in the form of a certified check, cashier's check or bid bond, executed by the bidder and Surety Company, payable to the City of Grosse Pointe Farms in the amount of Five Percent (5%) of the amount of the Proposal) with their electronic bid submission. See Instructions to Bidders – Bid Deposit for more information. **The original bid deposit for the low bidder will be required to be submitted to the City following the bid letting**.

TAXES

The Bidder affirms that all applicable Federal, State and Local taxes of whatever character and description are included in all prices stated in this Form of Proposal.

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0 P M The Bidder acknowledges the following Addenda, covering revisions to the drawings or specifications and the cost, if any, of such revision has been included in the quoted proposal:

Addendum No	1	Dated	3/27/23
Addendum No		Dated	
Addendum No		Dated	
Addendum No		Dated	

<u>FEES</u>

The Bidder shall refer to the General Conditions for allowable Fees for additional work performed, upon Owner's written authorization, by Bidder's own forces and/or for additional work, upon Owner's written authorization, by Bidder's subcontractors.

TIME OF COMPLETION

If awarded the Contract for the 2023 Road Rehabilitation Program, we agree to have all work completed within the interim milestones and division completion dates indicated in the Progress Clause (Section 01001) with and all remaining punch list, final restoration and clean-up work completed by **Saturday, October 21, 2023**, weather permitting.

<u>Please refer to the Progress Clause, Section 01001, for specific requirements, interim milestone deadlines,</u> and other stipulations of the construction schedule that must be adhered to.

The Bidder hereby agrees to furnish the required Bonds, Insurance Certificates, and Policies within ten (10) days after acceptance of this Proposal.

The execution of all work and specific constraints as described in the contract drawings and specifications must be strictly adhered to.

LIQUIDATED DAMAGES

Time is of the essence for completion of this project in order to have the Project ready for the City of Grosse Pointe Farms. The Bidder guarantees that he/she can and will complete the work within the time limit stated hereinbefore or within the time as extended as provided elsewhere in the Specifications. Inasmuch as the damage and loss to the Owner which will result from the failure of the Bidder to complete the work within the stipulated time, will be most difficult or impossible to accurately determine, it is mutually agreed that the damages to the Owner for such delay and failure on the part of the Bidder shall be liquidated in the amount of Five Hundred Dollars (\$500.00), for each and every calendar day by which the Bidder shall fail to complete the work or any part thereof within the provisions hereof, and such liquidated damages shall not be considered as a penalty.

The Owner will deduct and retain out of any money due or to become due hereunder the amount of the liquidated damages, and in case those amounts are less than the amount of actual liquidated damages, the Bidder shall pay the difference upon demand of the Owner.

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4 0 P M We understand that liquidated damages may be assessed should we fail to meet the stipulated completion date of each division as stipulated in the **Progress Clause**, Section 01001 of the Specifications herein. Specifically, liquidated damages will be assessed daily beginning <u>the day following the completion date of each division</u>, until such a time that all work is completed.

QUALIFICATIONS/MUNICIPAL PROJECTS/REFERENCES

The City of Grosse Pointe Farms requires the Bidder, as the Prime Contractor, to include **three (3) municipal references** for projects similar to the 2023 Road Rehabilitation Program, as follows. The references will be checked prior to the award of the contract.

Project No. 1: Name of Project:_____

Project Completion Date:	Contract Amount:
Name:	Address:
Telephone:	Firm:
Project No. 2: Name of Project:	
Project Completion Date:	Contract Amount:
Name:	Address:
Telephone:	Firm:
Project No. 3: Name of Project:	
Project Completion Date:	Contract Amount:
Name:	Address:
Telephone:	Firm:

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4 0 P M The price stated in this Proposal shall be guaranteed for a period of not less than 60 days from the bid due date and if authorized to proceed within that period, the bidder agrees to complete the work covered by the Proposal at said price.

If this Proposal is accepted by the Owner and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within fifteen (15) days after being notified of the acceptance of his/her/her bid, then the undersigned shall be considered to have abandoned the contract, and the Certified Check, Cashier's Check or Bid Bond accompanying this Proposal shall be forfeited to the City of Grosse Pointe Farms.

If the undersigned enters into the contract in accordance with his/her proposal, or if his/her proposal is not accepted, then the accompanying bid guarantee shall be returned to the undersigned.

Company Name:	
Signature:	Title:
Address:	
County:	
Telephone No.:	Fax No.:
Email Address:	

LEGAL STATUS OF BIDDER

This Bid is submittal in the name of:

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(Print)		
The under served or		hereby designates below the business address to which all notices, directions or other communications may be
Street		
City		
State		Zip Code
	rsigned	hereby declares the legal status checked below: INDIVIDUAL
(()	INDIVIDUAL DOING BUSINESS UNDER AN ASSUMED NAME
(()	CO-PARTNERSHIP The Assumed Name of the Co-Partnership is registered in the County of, Michigan
(()	CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF
		The Corporation is
(()	LICENSED TO DO BUSINESS IN MICHIGAN
(()	NOT NOW LICENSED TO DO BUSINESS IN MICHIGAN
The name	e, titles,	and home addresses of all persons who are officers or partners in the organization are as follows:
A corpora	ation du	ly organized and doing business under the laws of the State of
NAME A		
Signed an	nd Seale	ed this day of, 20
		By (Signature)
		Printed Name of Signer
		Title

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	BID B	OND	
We, the undersigned,			
As Principal, hereinafter called the Principal	, and		
A corporation duly organized under the laws	s of the State of		
As surety, hereinafter called the SURETY, a	re held and firmly	y bound unto:	
The Owner: The City of Grosse	Pointe Farms, 90	Kerby Rd, Grosse Pointe Far	ms, MI 48236
in the sum of:		Dollars (\$),
For the payment of which sum well and truly executors, administrators, successors and ass WHEREAS, the Principal has submitted a bi	signs, jointly and	severally, firmly by these pre	sents.
-			
	<u>Sium</u>		
NOW, THEREFORE, if the OWNER shall a the OWNER in accordance with the terms of CONTRACT DOCUMENTS with good and prompt payment of labor and material furnis enter such contract and give such bond or bo penalty hereof between the amount specified contract with another party to perform the w void, otherwise to remain in full force and effective	f such bid, and given and given bid, and given a sufficient surety whed in the prosection of the principal in said bid and so ork covered by sa	ve such bond or bonds as may for the faithful performance of ution thereof, or in the event of bal shall pay to the OWNER to uch larger amount for which to	y be specified in the of such contract and for the of the failure of the Principal to the difference not to exceed the the OWNER may in good faith
Signed and sealed this	day of		, 20
(Witness)		(Principal) (Title)	(Seal)
(Witness)		(Surety)	
		(Title)	
	END OF S	ECTION	

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SECTION 01010

PROGRESS CLAUSE

PROJECT LOCATIONS AND SCOPE OF WORK

Work for this project is separated into seven (7) divisions scheduled to be completed at and within the following locations and limits:

- Division I Kercheval Rd (Fisher to Muir)
- Division II Kercheval Rd (Muir to Moross)
- Division III Ridge Rd (Fisher to Muir)
- Division IV Ridge Rd (Muir to Moran)
- Division V Merriweather Rd (Charlevoix to Beaupre)
- Division VI Newberry Place
- Division VII Overband Crack Sealing/HMA Crack Treatment

The first five (5) divisions include 2" or 3" mill and overlay; full-depth base repairs; curb capping/remove and replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; pavement marking replacement and restoration of disturbed lawn areas, as required. Division VI consists of concrete panel replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; restoration of disturbed lawn areas, as required. Division VII consists of overband crack sealing and HMA crack treatment. All Divisions will need to be quoted for the overall bid to be considered responsive.

Two (2) alternate divisions of work are included in the Proposal and Bid Form worksheet that must also **be quoted for the overall bid to be considered responsive.** The scope of work in each is similar to the first five (5) divisions with a 3" mill and overlay being the basis. The alternate divisions are as follows:

- ALTERNATE I Kercheval Ave (Moross to Provencal)
- ALTERNATE II Vendome Rd (Grosse Pointe Blvd to Kercheval)

CONTRACTOR'S PROGRESS SCHEDULE

Contractor must submit a complete, detailed and signed, Progress Schedule, to the Engineer. The Engineer for this project is as follows:

Edward Zmich Hubbell, Roth & Clark, Inc. 555 Hulet Drive Bloomfield Hills, Michigan 48302 248-454-6300 ezmich@hrcengr.com

The Progress Schedule shall include, as a minimum, the controlling items for the completion of the project and the planned dates (or work days for a workday project) that these work items will be controlling operations. As indicated in the Specifications herein, all contract dates, including the date the project is to be opened to traffic,

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interim completion dates, final project completion date, and any other controlling dates in the contract must be included in the progress schedule. The start date of any subsequent controlling item must follow the completion date of the preceding one even though operations may be identified as concurrent. Overlapping of controlling items shall not be allowed. If the Bidding Proposal specified other controlling dates, these shall also be included in the Progress Schedule.

GENERAL PROGRESS SCHEDULE PROVISIONS

After receiving Notice of Award, start work on a date agreed upon with the Engineer. In no case, may any work be commenced prior to receipt of formal notice of award by the City.

The pre-construction meeting will be arranged by the Engineer. The named subcontractor(s) for Specialty and/or Designated items (if such items are designated in the proposal), which materially affect the work schedule, shall also be present at the scheduled meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project.

The Contractor is expected to mobilize sufficient labor resources and equipment and to work the required overtime to maintain the schedule and to meet the project interim and final deadlines. The Contractor shall include any costs associated with maintaining the schedule to meet the project interim and final deadlines in the Bid Items for work, as it will not be paid separately.

Unless specific pay items are provided in the contract, any extra costs incurred by the Contractor due to night work, cold-weather protection, winter grading, insufficient manpower and equipment necessary to maintain the schedule and/or meet the interim or final completion dates, and any overtime utilized will not be paid for separately and considered to be included in payment of other contract items.

No extensions of time will be allowed for increases in contract quantities or extra work, until it can be shown that such increases or extras affect the critical item of work.

No extension of time will be granted for delays in delivery of critical materials unless the delay can be shown to be industry wide and the delay affects a critical item of work.

No extension of time will be granted for labor disputes, unless it can be shown that such disputes are industry wide, and that the delay affects the critical item of work.

No extension of time will be granted as a result of work stoppages ordered by the City for Contractor noncompliance.

The Contractor shall be expected to mobilize sufficient labor and equipment to complete the project within the specified time frames.

Failure on the part of the Contractor to carry out the provisions of the Progress Schedule, as established, may be considered sufficient cause to prevent bidding future projects until a satisfactory rate of progress is again established.

The Contractor shall attend regular bi-weekly construction progress meetings throughout the duration of construction, or as required by the City and their Engineer, and shall provide updates to the Engineer that shall include work completed to date, a two-week outlook for upcoming work, and any necessary updates regarding the Milestone dates identified herein.

The Contractor may be required to meet with City representatives for a post-construction review meeting, as directed by the Engineer. The Engineer will schedule the meeting.

The Contractor must comply with all local ordinances (noise, etc.) and as described in the Special Provision for Maintaining Traffic.

PROJECT SCHEDULE AND MILESTONES

Work for this project shall commence on or around May 08, 2023. In no case shall any work commence prior to receipt of formal Notice of Award by the Department. For the purposes of this Progress Clause, Work Day(s) shall be defined as: Monday through Friday, excluding Holidays, from 7:00 a.m. to 6:00 p.m. Night and weekend work may be permitted at the discretion of the City. Once the work has begun, work is to be continuous, and the project must be completed by the interim milestones herein and all punch list and clean-up by the final project deadline date of Saturday, October 21, 2023.

To mitigate concerns from residents/businesses, provide reasonable access, and accommodate various scheduled City events, the phasing for the project shall be as follows:

• Division I

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- Commence on or around Monday, May 01, 2023. This division of work is through the downtown business and shopping district. All work must be complete, including the placement of restoration items and permanent pavement markings, 26 calendar days from start of construction or by Friday, May 26, 2023, whichever is sooner. The intent is to complete all work in this area prior to the busy summer months in the district. Prior to commencing, if the contractor feels he would not be able to complete this division in the allotted time, the City may consider allowing the work to be rescheduled to commence immediately after Labor Day.
- <u>Division II</u>
 - Commence on or around Tuesday, May 30, 2023, following completion of Division I. All work must be complete, including the placement of restoration items, 53 calendar days from start of construction or by Friday, July 21, 2023, whichever is sooner.
- Division III
 - Commence on or around Monday, July 24, 2023, after Division II completion. This division may be done in conjunction with Division IV (both are along Ridge Road), subject to City authorization. If approved for concurrent construction, all work for Division III and IV must be complete, including the placement of restoration items, 33 calendar days from start of construction or by Friday, August 25, 2023, whichever is sooner.

Division IV

- See Division III, above.
- Division V
 - Commence on or around Monday, August 28, 2023, after Divisions III/IV completion. All work must be complete, including the placement of restoration items, 19 calendar days from start of construction or by Friday, September 15, 2023, whichever is sooner.

Division VI

Commence after Division V completion, or potentially earlier in the summer and/or in conjunction with other concrete rehabilitation work items, subject to City authorization (this is the only concrete street in the 2023 Program). All work must be complete, including the placement of restoration items, 19 calendar days from start of construction or by Friday, October 06, 2023, whichever is sooner.

Division VII

- Commence after October 1, 2023. All work must be complete, including clean-up, 20 calendar days from start of construction or by Friday, October 20, 2023, whichever is sooner.
- <u>Project Completion (pavement markings, punch list and clean-up)</u>
 - All final work, including the pavement markings (if not already stipulated as being required to be completed with a respective division), punch list items and clean-up must be complete, by Friday, October 20, 2023.

ADDITIONAL PROJECT SCHEDULE NOTES

Failure on the part of the Contractor to meet each of the above Milestones by the date or duration specified shall result in the assessment of **Liquidated Damages** against the Contractor as provided in the Contract Documents. Liquidated damages will be assessed separately, simultaneously, and concurrently for failure to meet Milestone dates as specified above. Liquidated Damages will continue to be assessed for each calendar day or portion of a day that this work (an individual division) remains incomplete.

If the contractor completes a division earlier than the duration (number of calendar days) specified herein, with prior authorization from the City, they may be able to commence work on the next division of work immediately.

If extenuating circumstances, such as unseasonable and/or volatile weather conditions, a substantial change in scope, etc., potentially keep the contractor from completing a division of work within the specified duration, and it is determined they were aptly following the stipulations of the Progress Clause, the City may not assess liquidated damages provided a written letter of request for time extension is submitted by the contractor as soon as they have determined a deadline date cannot be met. The sequence of the divisions may be subject to alternative scheduling based on discussions with the contractor.

The city reserves the right to adjust the process and require weekend work for specific items. Additional payment for overtime, night and weekend work will not be paid for separately but should be included in other bid items based on the contractor's understanding of the scope and scheduled provided in the contract documents.

The proposed phasing and interim milestone schedule for the project noted above assumes that only Divisions I through VII are awarded and not either or both alternates.

Please see the Traffic Plan sheets in the plan set regarding the requirements for road access maintenance, lane closures, proposed signage and barricades, and other stipulations. Additional barricades may be required for the temporary road closures during certain construction operations (milling, pavement interlayer placement, tacking, paving, etc.) as well as in other instances and the bid lump sum price quoted shall be inclusive of these additional, as needed, traffic controls. Flag control is also included in the bid lump price for **Traffic Maintenance and Control/Flag Control**.

WORK DAY, HOUR, AND OTHER WORK RESTRICTIONS

The work hours described may be modified or changed by the City due to Holidays, Special Events, or Traffic Volumes, and/or to minimize disruption during school peak hours (drop-off and pick-up).

Contractor shall maintain at least one lane of travel at all times, in particular for emergency vehicle access, and shall provide access to all homes/businesses as possible.

Construction operations will not be permitted on Memorial Day, Fourth of July or Labor Day weekend without authorization.

Access to all properties shall be maintained at all times with the exception of driveway replacement (and duration of concrete cure time). Gaps in the pavement between Stages or at drives shall be filled with milling and/or maintenance aggregate or plated to provide access.

The contractor shall route all construction equipment, material deliveries, and his own vehicles to access the site via the existing road sections yet to be rehabilitated. No access shall be across the new pavement sections without Owner approval.

Coordination is of the essence during this project, the City of Grosse Pointe Farms shall be notified of all temporary road closures for any period of time. The City of Grosse Pointe Farms will provide an updated notification list at the Pre-Construction meeting.

The City permits construction between the hours of 7:00 A.M. and 6:00 P.M., Monday through Friday, unless otherwise authorized by the City. Saturday work is permitted between the hours of 8:30 A.M. and 6:00 P.M with prior authorization from the City. No work is allowed on Sunday (unless an emergency occurs which will still require the City to be notified of such work). Further, as per City Ordinance, "Emergency work necessary to preserve public health or safety or to prevent material damage to property (including any adjacent or nearby properties) is not governed by this restriction. In the event that the use of heavy construction equipment outside the permissible hours set forth above is believed to be necessary to complete the construction project, the property owner may apply in writing to the Director of Public Service for a day-to-day expansion of the permissible hours, provided that such application shall include a detailed construction schedule and the reason(s) for the requested expansion of hours."

END OF SECTION

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SECTION 01010

SPECIAL PROJECT NOTES

PROJECT LOCATION AND SCOPE OF WORK

The project location map for this project is at the end of this Specifications book.

Work for this project is separated into seven (7) divisions scheduled to be completed at and within the following locations and limits:

- Division I Kercheval Rd (Fisher to Muir)
- Division II Kercheval Rd (Muir to Moross)
- Division III Ridge Rd (Fisher to Muir)
- Division IV Ridge Rd (Muir to Moran)
- Division V Merriweather Rd (Charlevoix to Beaupre)
- Division VI Newberry Place
- Division VII Overband Crack Sealing/HMA Crack Treatment
- Alternate I Kercheval Rd (Moross to Provencal)
- Alternate II Vendome Rd (Grosse Pointe Blvd to Kercheval)

The first five (5) divisions (and Alternates I and II) include 2" or 3" mill and overlay; full-depth base repairs; curb capping/remove and replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; pavement marking replacement and restoration of disturbed lawn areas, as required. Division VI consists of concrete panel replacement; adjusting and/or reconstructing drainage structures and manholes; sidewalk and ramp replacement; restoration of disturbed lawn areas, as required. Division VI consists of overband crack sealing and HMA crack treatment. All Divisions/Alternates will need to be quoted in order for the overall bid to be considered responsive.

MISCELLANEOUS PROJECT NOTES

- 1. The City permits construction between the hours of <u>7:00 A.M. and 6:00 P.M.</u>, <u>Monday through Friday</u>, <u>unless otherwise authorized by the City</u>. <u>Saturday work is permitted between the hours of 8:30 A.M. and</u> <u>6:00 P.M.</u> <u>No work is allowed on Sunday</u> (unless an emergency occurs which will still require the City to be notified of such work).</u>
- 2. These specifications form a part of the Specifications and Contract Documents for the 2020 Road Improvement Program located in Grosse Pointe Farms with the requirements herein specified supplementing and/or superseding those contained in the balance of the Specifications and Contract documents. Construction specifications not addressed herein on the balance of the specifications shall be in accordance with the MDOT 2012 Standard Specifications for Construction.
- 3. There may be other contractors working in or adjacent to this construction area. The contractor of this project must coordinate his work with all other contractors and utility companies.
- 4. The contractor shall conduct his operations in such a manner to comply with all Federal, State, and Local codes for noise levels, vibrations, or any other restrictions while removing pavement or for any other construction operations within this contract as incidental to the respective item of work.

5. Construction Layout. All sidewalk and sidewalk ramps to be laid out by the Contractor as well as grades for the HMA wearing course, as per the "Construction Layout" Special Project Note and bid item.

Description:

This work shall consist of establishing, calculating, furnishing and placing all necessary construction layout based on existing pavement horizontal and vertical alignment controls or as directed by the Engineer.

The Contractor shall determine sufficient controls to establish the construction layout of all phases of the work including, but not limited to, drainage structures, concrete curb, driveways, sidewalk ramps and HMA surfacing courses.

Grade is critical in Grosse Pointe Farms (very flat) and care is to be taken to insure proper drainage to existing catch basins.

The work will be completed as specified herein.

Construction Methods:

The Contractor shall provide all labor, material and equipment necessary to accomplish the construction layout based on existing pavement controls.

Alignment and elevation controls are to be established by the Contractor for the entire length of the project (Existing high points, low points, breaks in grade, drainage structures and proposed butt joints).

The Contractor shall calculate a finished grade profile for the proposed HMA surface at each curb line. The profile should provide for the minimum resurfacing thickness as specified and a minimum curb face exposure of 3 1/2". All profiles are to be approved by the Engineer prior to paving.

The Contractor shall delineate on the existing pavement surface the limits of all wedge and/or leveling courses necessary to eliminate "Ponding Water" and bring the base course to the proper contour **prior** to placing the wearing course. The City will take photos of each road prior to construction to identify the existing conditions.

The Contractor shall place finish HMA grades: on the curb face at 25' intervals longitudinally, and at 5' intervals on all radii; at the curb line extended, and centerline of all street intersections.

Method of Measurement and Basis of Payment:

All work for "Construction Layout", including furnishing all materials, labor, and equipment required to complete the work as specified herein, shall be included in the bid lump sum price for "**Construction Layout**, **LS**" per division of work.

6. The contractor shall not enter upon private property for any purpose without obtaining written permission, and he shall be responsible for the preservation of all public property, trees, monuments, etc., along and adjacent to the street and/or rights-of-way, and shall use every precaution necessary to prevent damage or injury thereto, he shall use suitable precautions to prevent damage to pipes, conduits, and other underground structures, and shall protect carefully from disturbance or damage all monuments and

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property marks until the engineer or authorized agents has witnessed or otherwise referenced their location and shall not remove them until directed.

- 7. All property irons and monuments disturbed or destroyed by the contractor's operations shall be replaced by a registered land surveyor provided by or caused to be provided by the contractor at the contractor's expense.
- 8. Rubbish collection shall not be interfered with by the contractor's operations. If access to certain areas is blocked by the contractor's operations, he shall transport the rubbish himself to a location accessible to collection crews.
- 9. All private and public signs which are removed shall be relocated or replaced in kind, if damaged, in coordination with the affected property owners and the City, incidental to the project.
- 10. The contractor is to provide a vacuum street sweeper (self-propelled) equipped with dust suppressive water jets and an elevator hopper to collect sweepings. Roads included in the project as well as any other road utilized for construction traffic, are to be swept regularly and immediately after the milling operation. This is not a separate pay item and should be included in the various unit prices bid for other contract items.
- 11. The contractor must submit a schedule and mix design at the pre-construction meeting.
- 12. The contractor shall only tack coat areas that are to be paved soon thereafter. Fresh tar signs are to be used after the road is tack coated. The Contractor must take extra care to not track fresh tar onto adjacent residential and main roadways, especially those roads that are concrete. The Contractor will be fully responsible for removing any tar that may be tracked onto the roads to the satisfaction of the City and at no cost to the City. Haul routes are to be approved by the City Manager at the preconstruction meeting.
- 13. Final adjustment of reconstructed or adjusted structures shall be made prior to placing the top course of asphalt.
- 14. Soil erosion and sediment control shall consist of placing geotextile erosion fabric over catch basins and inlets during milling and overlaying operations. Fabric shall be maintained on a regular basis by the contractor and removed at the completion of the project. If millings or bituminous are found in structures after resurfacing, they are to be removed by vactor at no cost to the owner.

ENGINEER'S AUTHORITY

The Engineer will not be responsible for the construction means, controls, techniques, sequences, procedures, or construction safety.

The Project Engineer shall have the right to suspend the whole or part of the Work by written order whenever, in the judgment of the Project Engineer, such suspension is required in the general interest of the City, or if the Contractor has not fulfilled his obligations under the Contract.

1. MOBILIZATION

The work required by this section shall include, but not be limited to, the preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the

establishment of the Contractor's offices, buildings, and other facilities necessary to undertake the work on the project; and for other work and operations which must be performed or for expenses incurred prior to beginning work on the various contract items on the project site. It shall also include pre-construction costs, exclusive of bidding costs, which are necessary direct costs to the project and are of a general nature rather than directly attributable to other pay items under the contract. The work shall include all demobilizations and remobilizations which are required due to seasonal suspension of the work. This contract pay item also includes all other items and costs not included in the price bid for specific items such as overhead, insurance, permits, safety program, coordination with others, and the like. All cost to the Contractors for full compliance with all requirements of the General Conditions sections shall also be included in this pay item.

The contract unit price for MOBILIZATION **shall not exceed five (5) percent** of the Total Amount of Bid minus the amount for this pay item. This pay item shall be made with the first pay estimate after the project has been started for compensation to the Contractor for initial project start-up costs including material orders, equipment transportation to the site, demobilizations and remobilizations, etc. Additional unit prices will not be paid for the Contractor. The initial payment for the project shall not be made until construction has been started.

The total sum of all payments for this item shall not exceed the original contract amount bid for MOBILIZATION, regardless of the fact that the Contractor may have, for any reason, shut down his work on the project, moved equipment away from the project and then back again, or for additional quantities or items of work added to the contract.

2. INCIDENTAL ITEMS

Any items, which are not called out on the plans, necessary to complete the work as intended shall be considered incidental.

3. NON-COLLUSION AFFIDAVIT

In signing and submitting this proposal and the Non-Collusion Affidavit, the bidder states that his bid is genuine and not collusive or a sham; such bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other person shall refrain from bidding and has not in any manner, directly or indirectly, colluded, conspired, connived, or agreed, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price.

4. EXISTING CONDITIONS

Each bidder shall personally visit the sites of the project and pay particular attention to the existing conditions and the salient features of the project in order to assure him of the amount of equipment, materials, and work required to satisfy the requirements of the project.

5. EXISTING UTILITY LOCATIONS

As an aid to the Contractor, various existing overhead and underground utilities and structures have been shown on the plans. The location of all public utilizes shown on the plans is taken from the best available data. Any omission or variations from the locations shown, pursuant to Act 53 of the PA of 1974 as a condition of this contract notice, shall be given to Miss Dig prior to underground work being performed.

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Neither the Owner nor the Engineer guarantees the accuracy and completeness of locations and number of utilities as this information has been taken from available utility company and municipal records and field topo. It is the Contractor's responsibility to field locate and verify the depth of the existing water main system, sanitary sewers, storm sewers, gas mains, service lines and any other utilities along the project route prior to excavating or performing any horizontal directional drilling. The Contractor shall immediately repair any damaged utility lines at his own expense, with no additional compensation to be provided by the Owner.

The following Utility Companies have facilities within the project limits:

Name and Address of Utility City of Grosse Pointe Farms 90 Kerby Rd., GPF, MI 48236 Attn: Matt Baka (DPS), 313-885-6600 Scott Homminga (Water Dept.), 313-343-2328	Type of Utility Water Main (City-owned and operated Water Plant), Storm, Combined & Sanitary Sewer, Street Lights
AT&T 100 S. Main St., Room 314, Mt. Clemens, MI 48043 Attn: Linda Swack, 586-466-1039	Telephone Line
Comcast Cable Communications, Inc. 5095 Wall St., Sterling Heights, MI 48312 Attn: Warren Setty, 586-883-7256	Cable Television, Fiber Optic
DTE Energy 2000 Second Ave, Room 518 S. Building, Detroit, MI 48226 Attn: Robin O'Connell, 313-235-5632	Electric Line
MichCon Pipeline Co. 17150 Allen Rd., Melvindale, MI 48122 Attn: Laurie Forrester (313-389-7261) or David Wiater (313-389-	Gas Line -7341)

6. EXPOSING EXISTING UTILITIES

The Contractor shall verify the depth of existing utilities (grade) throughout the project length in order to permit the Engineer to adjust grades to avoid conflicts with existing utilities. Should the Contractor fail to expose the existing utilities **PRIOR TO CONSTRUCTION**, the Contractor shall be responsible for removing and reinstalling any utility with which a conflict arises from his failure to perform this item. The locations provided are intended to aid the Contractor in his efforts to field locate all services. Neither the Owner nor Engineer is responsible for the accuracy of the provided information.

The Contractor shall be fully responsible for locating all sanitary leads in advance and adjusting utility installations as necessary so as to avoid any damage to both the sewer line and building leads. The Contractor shall be fully responsible for repairing any damaged leads as a result of his operation and shall bear all costs for the repairs. The Contractor shall be fully responsible for locating the leads **prior** to digging in the immediate area. Any inadvertent damaged leads must be immediately repaired per City requirements so as not to interrupt sewer service. The locations provided are intended to aid the Contractor in his efforts to field locate all services. Neither the Owner nor Engineer is responsible for the accuracy of the provided information. The Contractor is responsible for locating all leads in the field.

Any and all adjustments to or reconstruction of the sewer structures necessary so as to avoid conflict with any other utilities are to be included in the unit prices bid. No additional compensation resulting from field adjustments shall be considered.

7. WATER

If the Contractor desires to use City water for construction, he shall obtain the required permit from the City's Water Department. A hydrant connection apparatus will then be issued to him by the Water Department. Their phone number is (313) 343-2328 (Scott Homminga, Water Superintendent). The use of privately owned hydrant connections is prohibited. When connections are made to hydrants, the Contractor shall promptly notify the Water Department. Not all City hydrants may be available for use. The Contractor will be responsible for discussing their intended hydrant use with the Water Department and get their approval for the use of designated hydrants.

8. OPERATION OF GATE VALVES AND HYDRANTS

All existing gate valves and hydrants are to be operated only by the City's Water Department personnel. At no time shall the Contractor operate these facilities himself. The Contractor shall contact the Water Department at (313) 343-2328 (Scott Homminga, Water Superintendent) or Project Engineer to schedule these activities.

9. MAINTAINING POSTAL SERVICES

Postal delivery services shall not be interfered with by the Contractor's operations. If a mail box and/or newspaper box must be removed due to the project construction, the Contractor must temporarily reset the box so as to maintain uninterrupted service. Any damage to the box caused by the Contractor, necessitating replacement parts including the reinstallation of wood or metal posts, shall be taken care of by the Contractor at his own expense. The Contractor shall be responsible for resetting boxes at their original locations in accordance with postal regulations and policy. All associated costs with this item are to be considered incidental to the project.

10. M.I.O.S.H.A. STANDARDS

All work performed by the Contractor must conform to the current M.I.O.S.H.A. standards and requirements for confined space entry. If required by the City, the Contractor will be required to sign a waiver stating that he has read, understood and will comply with M.I.O.S.H.A. requirements.

11. BUSINESS OR RESIDENT COMPLAINTS

The Contractor will be required to immediately address and any complaints or concerns. Should the Contractor not be able to answer the complaint, they must be directed to the Project Engineer. At no time shall the Contractor or resident as directed by the Contractor directly contact the City.

12. ADDITIONAL BIDS - QUANTITY INCREASE

Additional quotations may be requested during the term of this Contract, separately from the original bid and are subject to the same terms and conditions of the original bid.

13. NON-DISCRIMINATION CLAUSE

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By signing and submitting this proposal for consideration by the Owner, the Contractor covenants not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status or a handicap that is unrelated to the individual's ability to perform the duties of a particular job or position. Breach of this covenant may be regarded as a material breach of the contract.

14. CLEANING OF STRUCTURES

The Contractor shall protect all utility structures. All materials that enter the structures as a result of the Contractor's operations shall be removed immediately. Prior to final acceptance of the project, all structures within the construction area shall be thoroughly cleaned of all debris, incidental to the project costs.

15. MAINTAINING FLOW

The Contractor shall perform the work so that the flow in the existing sewers is at no time hindered or interrupted. The Contractor will be liable for any and all damages caused by his failure to maintain the flow in existing sewers.

16. CONTRACTOR'S LIABILITY

The Contractor shall be solely responsible for any damages to driveways, mailboxes, landscaping, buildings by sewage backups, etc., due to his operations. The Contractor shall indemnify and hold harmless the City and the Engineer in this regard.

17. SUBSURFACE CONDITIONS

The Contractor shall be solely responsible for making his own subsurface soils investigations and shall assume all risks and responsibility for his conclusions pertaining to the potential difficulties which may be encountered during the course of work. He shall complete the work, in whatever material and under whatever ground conditions he may encounter or create, without additional cost to the Owner.

18. SOIL EROSION AND SEDIMENTATION CONTROL

Soil Erosion Control Devices shall be installed per Wayne County and/or City of Grosse Pointe Farms standards or as directed by the Project Engineer. It shall be the Contractor's responsibility to install additional erosion control devices should it be deemed necessary by the Project Engineer. The Contractor's responsibilities include installation of catch basin inlet filters and maintenance of them through the duration of construction. At the time of completion of the project, it will be the responsibility of the Contractor to remove those devices. Twenty-five (25%) percent shall be paid upon installation and twenty-five (25%) percent will be paid upon removal. The remaining fifty (50%) percent will be paid incrementally with each subsequent Pay Estimate.

19. TEMPORARY MAINTENANCE OF DRAINAGE

During construction of this project, it will be necessary to maintain temporary drainage. All costs incurred in providing temporary drainage facilities as indicated on the drawings and/or as required by the Engineer

shall be considered as incidental to this project unless otherwise provided for.

20. DISPOSAL OF EXCAVATED MATERIALS

All materials removed that are not to be stockpiled and used in other areas of the project shall be disposed of off-site at a licensed facility, including the brick pavers from the intersection. NO exceptions will be considered, and all costs associated with transporting, disposing, etc. shall be considered as incidental to the project.

21. TREE PROTECTION

Keep clear all debris or fill, equipment and material from influence of the tree root system, which is typically the drip line.

During construction, the Contractor shall not cause or permit the cleaning of equipment or material or the storage or disposal of waste material such as paints, oils, solvents, asphalt, concrete, mortar, or any other material harmful to the life of a tree within the drip line of any protected tree or group of trees.

No damaging attachment, wires (other than supportive wires for a tree), signs, or permits may be fastened to any tree.

Tree Trimming: All bruised and scarred trunks and branches incurred as the result of the work shall be repaired using standard arboriculture procedures and performed by a professional tree service company.

The Contractor shall remove damaged and, where necessary, those low hanging branches that impede his construction work. The Project Engineer shall be notified prior to any substantial trimming necessary for construction. Removal shall be not less than 12" from the tree's main stem. Wherever practical, the Contractor shall "tie back" and protect with reasonable care those branches that interfere with his construction. In the case of pines or trees adjacent to construction activities, tarps are to be placed with caution over the tree branches so as to not break the branches and to protect them from equipment exhaust and damage.

All final branch trimming (trimming within 12" of the main stem) shall be performed by a professional tree service company using standard arboriculture procedures. No additional payment will be made for tree trimming. Trees shall be trimmed so that branches are evenly distributed on all sides, i.e. no lopsided effects.

22. EXISTING MATERIAL AS BACKFILL

The Contractor is to make his own determination as to the suitability of using existing excavated material for Trench A Backfill (Class II or III). If the Contractor wishes to use this material he shall have the material tested prior to backfilling operations by an independent laboratory and submit the results to the Project Engineer and the Wayne County, where applicable. Upon written approval of both parties, all handling, stockpiling, moisture control, etc. recommended in the laboratory's report shall then be adhered to as if contained herein. All costs associated with the Contractor's investigation and testing are considered incidental to the project.

23. INSURANCE

The Contractor at his sole cost shall procure and maintain throughout the length of this Contract all necessary insurance policies needed to obtain any and all permits as required by the governing authority.

Copies of the policy certificates are to be forwarded to the Project Engineer.

24. WATERING (IF REQUIRED)

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Unless otherwise specified herein, the Contractor shall keep all restored areas watered for a minimum of 14 days at his expense.

25. SUBMITTAL OF A WORK PLAN/PROJECT SCHEDULE

The selected bidder will be responsible for submitting a work plan at the time of the Preconstruction Meeting. The work plan must also include the bidder's proposed work schedule.

26. SIDEWALK AND PAVEMENT NOTES AND PROVISIONS

- 1. All construction associated with the sidewalk, shall comply with the current recommendations of the Americans with Disabilities Act (A.D.A.) of 1990 and be included in the bid prices for sidewalk.
- 2. Pavement restoration shall be done in a neat and workmanlike manner by cutting and trimming the pavement using a power driven saw to provide straight and true construction joints. Restoration of roads and drives to be done with surface and base materials matching existing material in quality and thickness or to a minimum per Wayne County Department of Public Services Specifications.
- 3. Pavement, driveways, and drainage structures shall be restored immediately after crossing. Roadways and driveways shall be restored by placing temporary aggregate and this shall be maintained as settling takes place. Prior to concrete pavement and driveway replacement, most of the temporary aggregate must be removed (except for approximately $3" \pm$ to correct irregularities) and finished with 6" of concrete.

27. TRAFFIC MAINTENANCE AND CONTROL AND TRAFFIC/PARKING SIGNS

- 1. Pedestrian access to all private/public driveways, sidewalks, ramps and buildings shall be maintained at all times and not be unnecessarily blocked. Vehicular access shall be maintained to all commercial and community service properties as designated by the Engineer. Contractor to coordinate crossings with Project Engineer and Property Owners. 21AA crushed concrete maintenance aggregate shall be used to provide driveway access if needed, incidental to the project.
- 2. The contractor shall be responsible for the proper protection of his work, tools, equipment, materials, workmen, etc., at all times until final acceptance of the contract. The contractor shall be responsible for providing the necessary barricades, signs, lights, flagmen, and other traffic control devices as required to protect and maintain traffic and to protect personnel and the work while the contract is in force. Street maintenance and traffic control shall be in accordance with the contract plans, and with the Standard Specifications of MDOT, Section 6.31, which by reference incorporates all traffic control devices to be per current edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).
- 3. All work areas shall be protected with barricades with flashers and with proper signing until the full width roadway is open to traffic. For lane closures, the traffic controls shall comply with the MMUTCD.

- 4. All traffic control devices (Signs, barricades, etc.) hereafter placed on the City's streets shall conform to the Michigan Manual of Uniform Traffic Control Devices (1994 Edition).
- 5. The Contractor shall furnish, maintain, locate, relocate and remove all traffic control devices, traffic channelizing cones (27" minimum height) and traffic regulators for the safety and protection of pedestrian and vehicular traffic, workers and the work.
- 6. Where any lane is closed, the contractor shall notify and advise the Grosse Pointe Shores Police Department and Fire Department as well as the DPW (garbage collection) and Grosse Pointe Schools (if in session).
- 7. Intersecting side streets can be closed to through vehicular traffic on a temporary basis whenever a construction activity is within 100 feet of the intersection. Signs and cones are to be set at the first usable street intersection from the project for intersecting streets, which are to be closed to traffic.
- 8. Curbside parking adjacent to the intersection may be eliminated throughout the entire workday with permission and notification of the City. Posting of temporary "No Parking" signs is to be the responsibility of the Contractor where construction activity requires such elimination. Signs will be furnished by the Contractor (incidental to contract).
- 9. Payment for Maintaining Traffic will be provided for under the item of "Traffic Maintenance and Control Lsum." All necessary work, including lighted arrow panels, temporary barricades, signs, part-width construction, and flag control shall be included in the lump sum bid item.
- 10. All items in this section not covered by a bid item are considered incidental to the project.

Method of Measurement and Basis of Payment:

A Lump Sum bid price has been provided in the Contract to compensate for "**Traffic Maintenance and Control/Flag Control.**" All work and materials utilized for the proposed intersection closure will be paid for under the bid item "**Traffic Maintenance and Control/Flag Control - LS**". All costs of the work associated with traffic control devices, traffic channelizing cones, traffic regulators and flag control, as needed, will also be included in the lump sum bid price for the "**Traffic Maintenance and Control/Flag Control**."

Payment for "**Traffic Maintenance and Control/Flag Control - LS**" shall be paid at 75% of the bid lump sum price on the first pay request from the Contractor while the remaining 25% shall be paid at the conclusion of the project.

28. BITUMINOUS BOND COAT SS-1h

Bituminous Bond Coat SS-1h is included in the HMA paving items contained in the contract and will not be paid for separately.

The Contractor may dilute and thoroughly mix the emulsion with water. The volume of water added shall be approved by the Engineer and shall not exceed the original volume of the emulsion.

Test samples will be obtained of the bond coat to measure the percentage of asphalt residue in the asphalt emulsion. These samples will be taken at the discretion of the Engineer, not less than once each week, nor more than three times each week during the placing of bituminous surfacing. For price adjustment purposes, the sample will represent the entire area of bond coat and related bituminous mixture placed on the day the sample was taken; plus any preceding coverage since the last sample was taken, or since the beginning of the work, whichever is less.

In accordance with the following formula and the table below, price adjustments will be made if the amount of bituminous residue in the emulsion is below the specified minimum of 30% obtained by 100% dilution.

 $P = F \frac{2000 \text{ rc}}{A}$ Where;

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9 5 P = price adjustment per ton of bituminous cover material.

F = price reduction factor from table below.

r = specified bond coat application rate (gal./sq./yd.).

c = (0.75) constant representing applied price of bond coat.

A = application rate of the HMA in the layer placed on the bond coat, in pounds per square yard.

Percent of
Bituminous ResiduePrice Reduction Factor (F)27% - 30%(Dollars/Gallon)27% - 26.9%0.5Less than 20%1.5

The following rates of application of the SS-1h Bond Coat shall be used unless otherwise called for on the plans or directed by the Engineer:

- a) 0.10 gal./sq. yd. shall be applied over all existing pavements and pavement patches.
- b) 0.05 gal./sq. yd. shall be applied between subsequent Bituminous Aggregate Courses and over concrete base course pavements to be surfaced.

29. SAWCUTTING

Any and all sawcutting necessary or required for the removal of the existing pavement, curbs or driveways, regardless of depth, shall be incidental to the project. Any and all costs for same are included in the bid price for removal of pavement.

30. PLACING BITUMINOUS MIXTURES

All paving lanes shall be completed to approximately the same station at the end of each day. If the longitudinal edge of a paved lane of wearing course is distorted during the day's work by traffic, or by other means, it shall be trimmed by the use of a self-propelled concrete saw, to a true line and vertical face prior to placing the abutting line. Transverse joints in both the binder and wearing course shall be carefully constructed and maintained with a vertical face until the placing of additional material against the joint is begun.

If the joint has been distorted by traffic, or by other means, it shall be trimmed back sufficiently by a method approved by the Engineer to provide a straight line and vertical face. Using sand as a means to construct a transverse joint will not be permitted.

Corrections to the longitudinal and transverse edges by a method approved by the Engineer will not be paid for separately.

31. **PROTECTION OF CURB**

The Contractor must be careful not to undermine the existing curb during pavement removal operations and must provide protection for the curb and gutter. If any of the curb is damaged during construction operations that was not called out for replacement on the plans, the Contractor will be responsible for repair of the curb at no cost to the City.

32. ADJUSTING STRUCTURES

Description:

This item shall include all manhole, catch basin, valve, well, valve boxes and inlet structures whose covers are raised or lowered to meet the required elevation. The work under this item shall provide for a change in elevation of up to 12 inches, measured vertically from the top of the masonry or concrete structure, and shall include repairs to the existing structure within this limit. This work shall also consist of removal of all debris and foreign material from the adjusted structures, including the sumps; the material to be removed shall include all dirt, debris, and deposits - not just that debris occurring as a result of the Contractor's work. Removal of all debris from structures shall be done only at the end of the project, at the direction of the Engineer.

Where called for on the plans or authorized by the Engineer, existing structures shall be adjusted to the proper elevation by removing adjacent pavement, curb or sidewalk to remove the castings. An opening at least 4' by 4' shall be removed in conjunction with adjusting the casting. The covers shall be raised to the proper elevation by supporting them on brick masonry, so constructed as to hold them firmly in place, or lowered to the proper elevation and reset on full mortar bed. Where the structure is in need of repair, as determined by the Engineer, within the limits provided for under this item, it shall be broken down and rebuilt with new materials to the required elevation. Any portion of the structure damaged beyond the limits of repair, as herein provided for, shall be removed and replaced at the Contractor's expense. The adjacent pavement and curb shall be replaced in kind to the required elevation with High-Early Strength Concrete containing 9 sacks of cement per cubic yard, as specified under Subsections 7.03.03 and 7.03.05 of the Standard Specifications.

Equipment will not be permitted to operate over adjusted structures any sooner than 24 hours after their completion, unless otherwise approved by the Engineer.

Frames and Covers:

Any frames and covers broken through contractor negligence shall be replaced at the Contractor's expense.

Measurement and Payment:

The completed work as measured for ADJUSTING STRUCTURES will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Dr Structure, Adjust	Each
Dr Structure. Reconstruct	

"Adjusting Structures" of the type specified, will be measured as units each, which shall include furnishing all materials and fittings except the covers, for all necessary pavement, curb or sidewalk removal and

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replacement, excavation, backfilling, disposal of surplus material, removal and disposal of all debris and foreign material from the structure (including the sump), and adjusting the structure to the required elevation, as hereinbefore specified, with the existing or new covers, as specified.

33. RESTORATION OF SPRINKLER SYSTEMS

Description:

Sprinklers not shown on the plans may be encountered in the line of work. It is likely that several homes have inground sprinkler systems. Contractor to locate existing sprinklers in advance of construction and remove heads and tie off lines as required for construction to provide temporary service to remaining irrigation system.

The Contractor shall exercise care in preserving and protecting existing lawn irrigation systems. The Contractor is responsible for any damages to existing irrigation lines.

All necessary work associated with the replacement and reconnection of sprinkler systems shall be as directed by the Engineer.

Whereas replacement of portions of existing system is necessary, the various components used for replacement shall match and duplicate the existing materials as closely as practicable.

The repair of the sprinkler systems disturbed behind the areas of work shall be included in the bid unit price for "**Restoration (3**" **Topsoil, Sod, 14-Day Watering Period, Repair of all Irrigation Systems) (as needed).**" The Contractor shall be responsible to restore those areas if encountered equal to what existed prior to the start of construction and shall promptly restore the sprinkler system in working order by making temporary or permanent repairs within five (5) days of the initial disruption. All costs incurred are to be included in the unit prices bid. No additional compensation shall be considered if sprinklers are encountered which were not identified on the plans.

SPECIAL CONSTRUCTION NOTES:

- 1. The City of Grosse Pointe Farms reserves the right to add additional work or to subtract work from this Contract, at the Unit Prices Quoted.
- 2. All concrete curb cuts, removal and replacement, where an existing sidewalk abuts, shall be replaced with an ADA-compliant sidewalk ramp, paid unit price per square foot, as concrete sidewalk, removal and replacement.

END OF SECTION

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2023 ROAD REHABILITATION PROGRAM

CITY OF GROSSE POINTE FARMS WAYNE COUNTY, MICHIGAN



CITY ADMINISTRATION

SHANE REESIDE - CITY MANAGER MATTHEW BAKA - DIRECTOR OF PUBLIC SERVICES DERRICK KOZICKI - CITY CLERK

CITY COUNCIL

LOUIS THEROS - MAYOR JOHN J. GILLOOLY - MAYOR PRO TEM

SIERRA LEONE DONAVEN BETH KONRAD-WILBERDING LEV WOOD

JOE RICCI **NEIL SROKA**



555 HULET DR BLOOMFIELD TWP, MICH. 48302 **PHONE: (248) 454-6300** WEB SITE: http:// www.hrc-engr.com

JOB NO. 20221061

PREPARED BY:





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TO 9″ MAX.) PLANS, VARY CCORDINGLY 2 THICKNESS F PAVEMENT R BASE		
E CONCRETE CYD / LFT 0.0310 0.0310 0.0477		-6312 -6359
EXISTING HMA SURFACE		ADDENDUM 1 ISSUED FOR BIDS ONS AND/OR REVISIONS
EXISTING CONCRETE BASE		
EPAIR AREA Y ENGINEER EXISTING CONCRETE BASE EXISTING SUBBASE	CITY OF GROSSE 2023 REHABIL PROG	ROAD .ITATION
NEATHER RD, VENDOME RD	CURB AND DET HRC JOB NO. 20221061	AILS Scale None
	DATE March 2023	NO. DT-1

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			REPORTED TO AND
	>		HUBBELL, ROTH & CLARK, INC HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915 BUBMBBBC, BRIPH 650 BEDBONF, IND HILLS, MICH. PHONE: (248) 968-8390 FAX (1st. Floor): (248) 454-6312 FAX (2nd. Floor): (248) 454-6359 WEB SITE: www.hrcengr.com
EX.	SIDEWALK		3-28-23 ADDENDUM 1 3-7-23 ISSUED FOR BIDS DATE ADDITIONS AND/OR REVISIONS
	>		DESIGNED MS DRAWN MS CHECKED EZ APPROVED JV/EZ
	<i>sidewalk</i> N ESTIMA	νΤΕ	CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM
(Lb/Syd)	PERFORMANCE GRADE	REMARKS	
165	64-22	1.5 INCH LIFT	
165 FOR 1	64-22	1.5 INCH LIFT - NOT A PAY ITEM	TYPICAL SECTIONS VENDOME (ALTERNATE II)
	NFORMATION ONLY		
			HRC JOB NO. SCALE 20221061
			DATE SHEET NO. TY-5

March 2023



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PIER PARK 33 CRESENT SAIL CLUB CARMELL LN WINTHROP PL HARBOR HILL RD BAKER LN WINDWARD PL GROSSE POINTE ACADEMY ST. PAUL CATHOLIC CHURCH & SCHOOL

SUNSET LN

WAR MEMORIAL ANTICIPATED SEQUENCE OF CONSTRUCTION

PHASE 1

- ONE WAY TRAFFIC TO BE MAINTAINED IN THE EAST LANE OF KERCHEVAL, WEST LANE WILL BE CLOSED TO TRAFFIC.
- FLOW OF TRAFFIC WILL BE NORTHBOUND.

PHASE 2

• ONE WAY TRAFFIC TO BE MAINTAINED IN THE WEST LANE OF KERCHEVAL, EAST LANE WILL BE CLOSED TO TRAFFIC. • FLOW OF TRAFFIC WILL REMAIN NORTHBOUND.

NOTE: THE TRAFFIC CONTROLS SHOWN HERE ARE FOR USE AS-NEEDED, WHEN THE OPERATIONS OF THE CONTRACTOR REQUIRE THAT TRAFFIC BE KEPT OFF A PORTION OF THE ROADWAY.

MAINTENANCE OF TRAFFIC NOTES

- 1. ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROW BOARDS AND CHANGEABLE MESSAGE SIGNS SHALL MEET THE "ACCEPTABLE" REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES - CURRENT EDITION". ALL TRAFFIC CONTROL DEVICES SHALL BE IN LIKE-NEW CONDITION.
- 2. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MMUTCD. ALL CONSTRUCTION SIGNING SHALL BE BLACK LETTERS ON FLORESCENT ORANGE BACKGROUND UNLESS SPECIFIED OTHERWISE.
- 3. ALL TRAFFIC SIGNS WITHIN THE PROJECT WILL BE RELOCATED BY THE CONTRACTOR FOR EACH STAGE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL TRAFFIC CONTROL DEVICES WITHIN THE PROJECT LIMITS. ANY TRAFFIC CONTROL DEVICES DAMAGED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR WILL BE CHARGED FOR ANY DAMAGED TRAFFIC CONTROL DEVICES DUE TO THE CONTRACTOR'S OPERATION, WHICH ARE REPAIRED OR REPLACED BY THE CITY OF BERKLEY.
- 4. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ANY ADDITIONAL SIGNS, BARRICADES AND LIGHTS WITHIN THE PROJECT TO PROTECT THE TRAFFIC AND WORK AREA.
- 5. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANDBAGS ON CONTRACTOR FURNISHED TYPE III BARRICADES TO PREVENT MOVEMENT. ALL TYPE III BARRICADES SHALL BE DOUBLE SIDED.
- 6. CONSTRUCTION SIGNING MOUNTED ON PORTABLE SUPPORTS SHOULD NOT BE USED FOR A DURATION OF MORE THAN FOURTEEN (14) DAYS. OTHERWISE, SIGNS SHALL BE GROUND MOUNTED ON 3 LB U-CHANNEL POSTS WHEN POSSIBLE. THE FOLLOWING SIGNS MAY BE PLACED ON TEMPORARY SUPPORTS: SIGNS PLACED IN CONJUNCTION WITH THE TYPE III BARRICADES AND SIGNS WITHIN THE CLOSED PORTION OF ROADWAY ITSELF.
- 7. ALL SIGNS PLACED IN CONJUNCTION WITH A TYPE III BARRICADE SHALL BE PLACED ON SEPARATE SUPPORTS IMMEDIATELY BEHIND AND ABOVE THE TYPE III BARRICADE. THESE SIGNS SHALL BE INSTALLED ON TEMPORARY SUPPORTS. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANDBAGS ON THESE SIGNS TO PREVENT MOVEMENT.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL CONSTRUCTION SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE CONSTRUCTION AREA.
- 9. TRAFFIC CHANNELING DEVICES FURNISHED BY THE CONTRACTOR FOR WORK PROTECTION SHALL BE COATED WITH REFLECTORIZED MATERIAL AND AT SPACING BASED ON THE CURRENT EDITION OF THE MMUTCD.

10. ACCESS TO DRIVEWAY APPROACHES SHALL BE MAINTAINED AT ALL TIMES AS FOLLOWS:

- WHEN CONTRACT WORK IS REQUIRED THAT WILL PREVENT ACCESS, THE CONTRACTOR ... SHALL NOTIFY AFFECTED RESIDENTS IN ADVANCE TO ALLOW FOR VEHICLES TO BE REMOVED, IF NEEDED.
- •• ACCESS TO ALL DRIVEWAY APPROACHES SHALL BE RESTORED AS QUICKLY AS POSSIBLE.
- EXCEPT WHEN CONCRETE CURING OF NEW APPROACHES IS TAKING PLACE, ACCESS TO ALL ... DRIVEWAY APPROACHES SHALL BE RESTORED AT THE END OF EACH WORKING DAY.
- 11. SEQUENCE ALL CONSTRUCTION ACTIVITIES SUCH THAT ONCE A STREET IS PAVED, CONSTRUCTION TRAFFIC WILL BE LIMITED TO ONLY THOSE VEHICLES/EQUIPMENT REQUIRED TO COMPLETE REMAINING DRIVEWAY APPROACHES, LANDSCAPING RESTORATION AND CLEANUP. ONLY RUBBER TIRED VEHICLES WILL BE REMITTED ON NEWLY PAVED ROADWAYS.
- 12. PARKING ON KERCHEVAL AVE SHALL BE PROHIBITED WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION.
- 13. MAINTAIN EMERGENCY VEHICLE ACCESS THROUGHOUT CONSTRUCTION.

LEGEND











REAL CONTRACTOR
HUBBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915555 HULET DRIVE BLOOMFIELD HILLS, MICH.P.O. BOX 824 48303 - 0824PHONE:(248) 454-6300 FAX (1st. Floor):P.O. BOX 824 48303 - 0824PHONE:(248) 454-6312 FAX (2nd. Floor):P.O. BOX 502 (248) 454-6359WEB SITE:WWW.hrcengr.com
3-28-23 ADDENDUM 1 3-7-23 ISSUED FOR BIDS DATE ADDITIONS AND/OR REVISIONS DESIGNED MS DRAWN MS CHECKED EZ APPROVED JV/EZ
CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM
MAINTENANCE OF TRAFFIC PLAN KERCHEVAL AVE - PHASE I HRC JOB NO. 20221061

SIGN LEGEND					
θN	SIGN DESIGNATION	SIZE	AREA (SQ. FT)	NUMBER REQUIRED	
AD SED AD	W20-3	48" X 48"	16	13	
AD Sed	R11-2	48" X 30"	10	2	
LOSED D Raffic	R11-4	60" X 30"	12.5	2	
	TYPE III BARRICADE	60" X 46"	-	17	
AY	R6-1(R)	36"X12"	3	12	
	R3-1	24"X24"	4	1	
D	R3-2	24"X24"	4	13	







ANTICIPATED SEQUENCE OF CONSTRUCTION

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- 4. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ANY ADDITIONAL SIGNS, BARRICADES AND LIGHTS WITHIN THE PROJECT TO PROTECT THE TRAFFIC AND WORK AREA.
- 5. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANDBAGS ON CONTRACTOR FURNISHED TYPE III BARRICADES TO PREVENT MOVEMENT. ALL TYPE III BARRICADES SHALL BE DOUBLE SIDED.
- 6. CONSTRUCTION SIGNING MOUNTED ON PORTABLE SUPPORTS SHOULD NOT BE USED FOR A DURATION OF MORE THAN FOURTEEN (14) DAYS. OTHERWISE, SIGNS SHALL BE GROUND MOUNTED ON 3 LB U-CHANNEL POSTS WHEN POSSIBLE. THE FOLLOWING SIGNS MAY BE PLACED ON TEMPORARY SUPPORTS: SIGNS PLACED IN CONJUNCTION WITH THE TYPE III BARRICADES AND SIGNS WITHIN THE CLOSED PORTION OF ROADWAY ITSELF.
- 7. ALL SIGNS PLACED IN CONJUNCTION WITH A TYPE III BARRICADE SHALL BE PLACED ON SEPARATE SUPPORTS IMMEDIATELY BEHIND AND ABOVE THE TYPE III BARRICADE. THESE SIGNS SHALL BE INSTALLED ON TEMPORARY SUPPORTS. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANDBAGS ON THESE SIGNS TO PREVENT MOVEMENT.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AND UNCOVERING ALL CONSTRUCTION SIGNS AS NEEDED FOR THE PROPER MAINTENANCE OF TRAFFIC THROUGHOUT THE CONSTRUCTION AREA.
- 9. TRAFFIC CHANNELING DEVICES FURNISHED BY THE CONTRACTOR FOR WORK PROTECTION SHALL BE COATED WITH REFLECTORIZED MATERIAL AND AT SPACING BASED ON THE CURRENT EDITION OF THE MMUTCD.

10. ACCESS TO DRIVEWAY APPROACHES SHALL BE MAINTAINED AT ALL TIMES AS FOLLOWS:

- WHEN CONTRACT WORK IS REQUIRED THAT WILL PREVENT ACCESS, THE CONTRACTOR ... SHALL NOTIFY AFFECTED RESIDENTS IN ADVANCE TO ALLOW FOR VEHICLES TO BE REMOVED, IF NEEDED.
- •• ACCESS TO ALL DRIVEWAY APPROACHES SHALL BE RESTORED AS QUICKLY AS POSSIBLE.
- EXCEPT WHEN CONCRETE CURING OF NEW APPROACHES IS TAKING PLACE, ACCESS TO ALL ... DRIVEWAY APPROACHES SHALL BE RESTORED AT THE END OF EACH WORKING DAY.
- 11. SEQUENCE ALL CONSTRUCTION ACTIVITIES SUCH THAT ONCE A STREET IS PAVED, CONSTRUCTION TRAFFIC WILL BE LIMITED TO ONLY THOSE VEHICLES/EQUIPMENT REQUIRED TO COMPLETE REMAINING DRIVEWAY APPROACHES, LANDSCAPING RESTORATION AND CLEANUP. ONLY RUBBER TIRED VEHICLES WILL BE REMITTED ON NEWLY PAVED ROADWAYS.
- 12. PARKING ON KERCHEVAL AVE SHALL BE PROHIBITED WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION.
- 13. MAINTAIN EMERGENCY VEHICLE ACCESS THROUGHOUT CONSTRUCTION.















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CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM				
MAINTENANCE OF TRAFFIC PLAN KERCHEVAL AVE - PHASE II HRC JOB NO. 20221061 SCALE				

SIGN LEGEND						
SIGN	SIGN DESIGNATION	SIZE	AREA (SQ. FT)	NUMBER REQUIRED		
ROAD LOSED HEAD	W20-3	48" X 48"	16	13		
ROAD LOSED	R11-2	48" X 30"	10	2		
ND CLOSED To U TRAFFIC	R11-4	60" X 30"	12.5	2		
	TYPE III BARRICADE	60" X 46"	-	17		
ONE WAY	R6-1(L)	36"X12"	3	14		
B	R3-1	24"X24"	4	15		
5	R3-2	24"X24"	4	1		



ANTICIPATED SEQUENCE OF CONSTRUCTION

PHASE 1

- ONE WAY TRAFFIC TO BE MAINTAINED IN THE EAST LANE OF RIDGE, WEST LANE WILL BE CLOSED TO TRAFFIC.
- FLOW OF TRAFFIC WILL BE NORTHBOUND.

PHASE 2

• ONE WAY TRAFFIC TO BE MAINTAINED IN THE WEST LANE OF RIDGE, EAST LANE WILL BE CLOSED TO TRAFFIC. • FLOW OF TRAFFIC WILL REMAIN NORTHBOUND.

NOTE: THE TRAFFIC CONTROLS SHOWN HERE ARE FOR USE AS-NEEDED, WHEN THE OPERATIONS OF THE CONTRACTOR REQUIRE THAT TRAFFIC BE KEPT OFF A PORTION OF THE ROADWAY.

MAINTENANCE OF TRAFFIC NOTES

- ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, VERTICAL PANELS, DRUMS, WARNING LIGHTS, ARROW BOARDS AND CHANGEABLE MESSAGE SIGNS SHALL MEET THE "ACCEPTABLE" REQUIREMENTS OF AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES - CURRENT EDITION". ALL TRAFFIC CONTROL DEVICES SHALL BE IN LIKE-NEW CONDITION.
- 2. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MMUTCD. ALL CONSTRUCTION SIGNING SHALL BE BLACK LETTERS ON FLORESCENT ORANGE BACKGROUND UNLESS SPECIFIED OTHERWISE.
- 3. ALL TRAFFIC SIGNS WITHIN THE PROJECT WILL BE RELOCATED BY THE CONTRACTOR FOR EACH STAGE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL TRAFFIC CONTROL DEVICES WITHIN THE PROJECT LIMITS. ANY TRAFFIC CONTROL DEVICES DAMAGED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR WILL BE CHARGED FOR ANY DAMAGED TRAFFIC CONTROL DEVICES DUE TO THE CONTRACTOR'S OPERATION, WHICH ARE REPAIRED OR REPLACED BY THE CITY OF BERKLEY.
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- 12. PARKING ON RIDGE RD SHALL BE PROHIBITED WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION.
- 13. MAINTAIN EMERGENCY VEHICLE ACCESS THROUGHOUT CONSTRUCTION.











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HUBBELL, ROTH & CLARK, INC HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915 555 HULET DRIVE BLOOMFIELD HILLS, MICH. P.O. BOX 824 48303 - 0824 48303 - 0824 48303 - 0824 HONE: (248) 454-6312 FAX (1st. Floor): (248) 454-6312 FAX (2nd. Floor): (248) 454-6359 WEB SITE: www.hrcengr.com				
3-28-23 ADDENDUM 1 3-7-23 ISSUED FOR BIDS DATE ADDITIONS AND/OR REVISIONS DESIGNED MS DRAWN MS CHECKED EZ APPROVED JV/EZ				
CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM				
MAINTENANCE OF TRAFFIC PLAN RIDGE RD - PHASE II HRC JOB NO. 20221061				

SIGN LEGEND						
SIGN	SIGN DESIGNATION	SIZE	AREA (SQ. FT)	NUMBER REQUIRED		
ROAD CLOSED AHEAD	W20-3	48" X 48"	16	4		
ROAD CLOSED	R11-2	48" X 30"	10	1		
ROAD CLOSED To Thru traffic	R11-4	60" X 30"	12.5	1		
	TYPE III BARRICADE	60" X 46"	-	6		
ONE WAY	R6-1(L)	36"X12"	3	4		
	R3-1	24"X24"	4	5		
	R3-2	24"X24"	4	1		



ANTICIPATED SEQUENCE OF CONSTRUCTION

PHASE 1

- ONE WAY TRAFFIC TO BE MAINTAINED IN THE EAST LANE OF RIDGE, WEST LANE WILL BE CLOSED TO TRAFFIC.
- FLOW OF TRAFFIC WILL BE NORTHBOUND.

PHASE 2

• ONE WAY TRAFFIC TO BE MAINTAINED IN THE WEST LANE OF RIDGE, EAST LANE WILL BE CLOSED TO TRAFFIC. • FLOW OF TRAFFIC WILL REMAIN NORTHBOUND.

NOTE: THE TRAFFIC CONTROLS SHOWN HERE ARE FOR USE AS-NEEDED, WHEN THE OPERATIONS OF THE CONTRACTOR REQUIRE THAT TRAFFIC BE KEPT OFF A PORTION OF THE ROADWAY.

MAINTENANCE OF TRAFFIC NOTES

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- 2. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MMUTCD. ALL CONSTRUCTION SIGNING SHALL BE BLACK LETTERS ON FLORESCENT ORANGE BACKGROUND UNLESS SPECIFIED OTHERWISE.
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- 7. ALL SIGNS PLACED IN CONJUNCTION WITH A TYPE III BARRICADE SHALL BE PLACED ON SEPARATE SUPPORTS IMMEDIATELY BEHIND AND ABOVE THE TYPE III BARRICADE. THESE SIGNS SHALL BE INSTALLED ON TEMPORARY SUPPORTS. THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANDBAGS ON THESE SIGNS TO PREVENT MOVEMENT.
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- 11. SEQUENCE ALL CONSTRUCTION ACTIVITIES SUCH THAT ONCE A STREET IS PAVED, CONSTRUCTION TRAFFIC WILL BE LIMITED TO ONLY THOSE VEHICLES/EQUIPMENT REQUIRED TO COMPLETE REMAINING DRIVEWAY APPROACHES, LANDSCAPING RESTORATION AND CLEANUP. ONLY RUBBER TIRED VEHICLES WILL BE REMITTED ON NEWLY PAVED ROADWAYS.
- 12. PARKING ON RIDGE RD SHALL BE PROHIBITED WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION.
- 13. MAINTAIN EMERGENCY VEHICLE ACCESS THROUGHOUT CONSTRUCTION.



ONE WAY





LEGEND



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HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915555 HULET DRIVE BLOOMFIELD HILLS, MICH.P.O. BOX 824 48303 - 0824PHONE: (248) 454-6300 FAX (1st. Floor): (248) 454-6312 FAX (2nd. Floor): (248) 454-6359Image: Colspan="2">Image: Colspan="2"PHONE: (248) 454-6300 FAX (1st. Floor): (248) 454-6359 WEB SITE: www.hrcengr.comImage: Colspan="2">Image: Colspan="2"WEB SITE: www.hrcengr.comImage: Colspan="2">Image: Colspan="2"		
3-28-23 ADDENDUM 1 3-7-23 ISSUED FOR BIDS DATE ADDITIONS AND/OR REVISIONS DESIGNED MS DRAWN MS CHECKED EZ APPROVED JV/EZ		
CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM		
MAINTENANCE OF TRAFFIC PLAN RIDGE RD - PHASE I		

SIGN LEGEND					
SIGN	SIGN DESIGNATION	SIZE	AREA (SQ. FT)	NUMBER REQUIRED	
ROAD CLOSED AHEAD	W20-3	48" X 48"	16	3	
ROAD CLOSED	R11-2	48" X 30"	10	1	
ROAD CLOSED TO THRU TRAFFIC	R11-4	60" X 30"	12.5	1	
	TYPE III BARRICADE	60" X 46"	-	6	
ONE WAY	R6-1(R)	36"X12"	3	4	
	R3-1	24"X24"	4	1	
	R3-2	24"X24"	4	5	



SIGN LEGEND					
SIGN	SIGN DESIGNATION	SIZE	AREA (SQ. FT)	NUMBER REQUIRED	
ROAD CLOSED TO Thru traffic	R11-4	60" X 30"	12.5	2	
	TYPE III BARRICADE	60" X 46"	-	2	

LEGEND

	- WORK ZONE
d d	- TYPE III BARRICADE
þ	- TRAFFIC SIGN
—	- TRAFFIC FLOW

ANTICIPATED SEQUENCE OF CONSTRUCTION

MERRIWEATHER ROAD WILL BE CLOSED TO THRU TRAFFIC FOR TH RESIDENT ACCESS SHALL BE MAINTAINED TO THE EXTENT POSSIB

NOTE: THE TRAFFIC CONTROLS SHOWN HERE ARE FOR USE AS-NE THE CONTRACTOR REQUIRE THAT TRAFFIC BE KEPT OFF A PORTION

MAINTENANCE OF TRAFFIC NOTES

- 1. ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADI WARNING LIGHTS, ARROW BOARDS AND CHANGEABLE MESSAG "ACCEPTABLE" REQUIREMENTS OF AMERICAN TRAFFIC SAFETY QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVI TRAFFIC CONTROL DEVICES SHALL BE IN LIKE-NEW CONDITION
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE W THE MMUTCD. ALL CONSTRUCTION SIGNING SHALL BE BLACK L BACKGROUND UNLESS SPECIFIED OTHERWISE.
- 3. ALL TRAFFIC SIGNS WITHIN THE PROJECT WILL BE RELOCATED STAGE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESP CONTROL DEVICES WITHIN THE PROJECT LIMITS. ANY TRAFFIC TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR R HIS OWN EXPENSE. THE CONTRACTOR WILL BE CHARGED FOR DEVICES DUE TO THE CONTRACTOR'S OPERATION, WHICH ARE CITY OF BERKLEY.
- AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PR ADDITIONAL SIGNS, BARRICADES AND LIGHTS WITHIN THE PRO AND WORK AREA.
- THE CONTRACTOR SHALL PLACE A MINIMUM OF EIGHT (8) SANE FURNISHED TYPE III BARRICADES TO PREVENT MOVEMENT. AL DOUBLE SIDED.
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- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING AN CONSTRUCTION SIGNS AS NEEDED FOR THE PROPER MAINTEN THE CONSTRUCTION AREA.
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	CITY OF GROSSE POINTE FARMS 2023 ROAD REHABILITATION PROGRAM MAINTENANCE OF TRAFFIC PLAN MERRIWEATHER RD MT-5

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