



PROPOSAL

CITY OF SAULT STE. MARIE

SOUTH STREET

B-01-23

PROPOSAL OPENING DATE
Friday, March 24, 2023
2:00 p.m.

City of Sault Ste. Marie
Engineering Department
225 E. Portage Avenue
Sault Ste. Marie, MI 49783
(906) 632-5730

CITY OF SAULT STE. MARIE
SOUTH STREET

B-01-23

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CITY OF SAULT STE. MARIE
REQUEST FOR PROPOSAL
SOUTH STREET
B-01-23

NOTICE TO BIDDERS

Sealed Bids marked “**SOUTH STREET | B-01-23**” will be accepted at the office of the Purchasing Agent, City Hall, 225 E. Portage Avenue, Sault Ste. Marie, Michigan, 49783 until 2:00 PM on Friday, March 24, 2023, at which time and place all Bids will be opened and publicly read. The Bid will be for furnishing the following:

Construction work will consist of 0.19 miles of mainline reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch clean out and slope restoration, machine grading, application of 2-inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs.

Specifications, bid forms, and additional information may be obtained at the office of the City Clerk at the above address on (March 3, 2023) and on the City’s website: www.saultcity.com. All prospective bidders must register their bid document with the City Clerk in order to receive Addendum's if they are issued.

All Bid Proposals shall be submitted in sealed envelopes marked as to the Bidder and the contents therein.

The CITY reserves the right to reject any or all Bids, waive irregularities in any Bid and make the award in the best interest of the City.

City Clerk/Purchasing Agent
Robin R. Troyer, MMC

INFORMATION FOR BIDDERS

1. STANDARDS OF CONSTRUCTION

The undersigned understands that this project will be awarded and constructed in accordance with the Michigan Department of Transportation 2020 Standard Specifications for Construction and proposes to furnish all necessary machinery, tools, apparatus and other means of construction, do all work, furnish all materials except as otherwise specified and, for each unit price, lump sum, or one each named in the itemized bid, to complete the work in strict accordance with any other special provisions and supplemental specifications as may be a part of the proposal for this project.

The undersigned further proposes to do such extra work as may be authorized by the City of Sault Ste. Marie, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon before such extra work is begun.

Then undersigned hereby certifies that if it is not pre-qualified in all classifications required by the advertisement for this project, it has taken such preparatory steps as may be necessary and will within the time specified in section 102.14 of the 2020 MDOT Standard Specifications for Construction designate subcontractor(s) that are fully prequalified in the classification(s) to perform the work.

2. PROPOSALS

Each Proposal shall be made on a form prepared therefore by the CITY and included as one of the Contract Documents, and shall be submitted, in a sealed envelope bound together with the other Contract Documents that are specified to be returned with the Bid Proposal, except the Plans, bearing the title of the Project and the name of the Bidder. The Plans may be returned in a separate package but are not required to be returned.

The Bid Proposal shall be legibly prepared in ink or typewritten. All Unit Price or Lump Sum entries made on the Schedule of Items page in the Bid Proposal by the Bidder in the "Unit Price" column and the "Bid Amount" column shall be handwritten in ink or typed in place.

Where a LUMP SUM (LS) is called for, it shall be entered only in the "Bid Amount" column.

The unit prices, as stated, will govern in determining the correct total of the Bid Proposal. In case of a difference between the stipulated amounts in the Proposal written in words and the stipulated amount written in figures, the stipulated amounts in written words shall govern.

If a unit price or a lump sum already entered by the Bidder on the Bid Proposal is to be altered, it shall be crossed out in ink. The new unit price or lump sum shall be

entered above or below it and initialed in ink by the Bidder on the line of the change each time the unit price or lump sum is altered.

The Bid Proposal shall be legally signed and the complete address of the Bidder given where requested.

Proposals shall be delivered by the time and to the place stipulated in the Advertisement. It is the sole responsibility of any Bidder to see that his Proposal is received in proper time. Any Proposal received after the scheduled time for opening of Proposals shall be returned to the Bidder unopened.

Proposals will be opened and publicly read aloud at the time and place set forth in the Advertisement.

Any Bidder may withdraw his Proposal, either personally or by telegraphic or written request, at any time prior to the scheduled time for opening of Proposals.

Proposals shall not contain any recapitulations of the work to be done. Alternate proposals will not be considered unless expressly requested. Oral proposals or modifications will not be considered.

Any financial or propriety information submitted in response to this Bid Proposal will become a public record subject to disclosure under the Freedom of Information Act. THE INFORMATION WILL NOT BE TREATED AS CONFIDENTIAL.

3. EXAMINATION OF DOCUMENTS AND VISIT TO SITE

Before submitting a Proposal, Bidders shall carefully examine the Plans, read the elements of the Contract Documents, shall visit the site of the work, and shall fully inform themselves as to all existing conditions to be encountered, the nature of the ground, the difficulties and limitations involved in completing the Project and all other factors affecting the work proposed on this Project.

It is the intent of the Contract Documents to provide that the Project to be constructed under this Proposal shall be complete and ready for use, in every respect. Any minor items not specifically called for in the Plans or Specifications, but which are clearly necessary, are to be included, at no increase in the Contract Price.

The Proposal shall include a sum to cover the cost of all items of work to be performed such that the Project to be constructed under this Proposal shall be complete and ready for use in every respect.

The Bidder to whom this Project is awarded will not be entitled to any additional compensation or extension of time by reason of his failure to fully acquaint himself with the conditions at the site or by his failure to fully examine the Contract Documents.

4. SUBCONTRACTS; MATERIAL AND EQUIPMENT QUOTATIONS

The Bidder to whom an award is made will not be entitled to additional compensation or extension of time by reason of his failure to fully understand all sub-proposals or quotations.

The Bidder is responsible for all coordination between Subcontractors and suppliers during the bidding and construction so that a complete Project is furnished for the Contract Price and within the Contract Time. The completed Project includes the furnishing of all equipment, accessories and appurtenances necessary for the proper operation and maintenance of the Project.

5. AWARD OR REJECTION

The Contract will be awarded to the lowest and/or best qualified and responsible Bidder complying with these instructions and with the Advertisement. The CITY reserves the right to reject any or all Proposals or to waive any irregularities or technicality in any Proposal in the best interest of the CITY.

6. INTERPRETATION OF DOCUMENTS

Interpretations of the meaning of the Plans, Specifications or other elements of the Contract Documents will not be valid if made orally to any Bidder. Oral interpretations, if given, shall be at the Bidder's risk and responsibility.

If any person contemplating submitting a Proposal is in doubt as to the true meaning of any part of the Contract Documents, or finds discrepancies in or omissions from the Contract Documents, he shall request a written interpretation or corrections thereof, from the CITY.

Every request for such interpretation must be in writing, and to receive consideration, must be delivered to the CITY at least five (5) days prior to the date fixed for the opening of Proposals.

Any and all such interpretations and any other supplemental instructions will be in the form of written addenda to the Contract Documents which, if issued, will be mailed by certified mail with return receipt requested to all prospective Bidders at the addresses furnished for such purpose, not later than three days prior to the date fixed for the opening of Proposals. Failure of any Bidder to receive any such addendum or interpretation shall not relieve such Bidder from any obligations under his Proposal as submitted.

The CITY will not be responsible for any other explanations or interpretations of the Contract Documents.

Any addenda issued during the time of bidding or forming a part of the Contract Documents shall be included in the Proposal and shall be made a part of the Contract Documents. Receipt of each Addendum shall be acknowledged in the Proposal.

7. SURVEY INFORMATION

At the start of work the Contractor will be provided CAD files to be used for layout work. The used files will require a waiver form to be submitted to City Engineering.

8. TIME

Time is of the essence in the performance of this Contract. The work to be done shall be started upon receipt of the Notice to Proceed and shall be prosecuted expeditiously for completion at the earliest possible date prior to the completion date or dates so specified in the contract documents.

9. PROPOSAL GUARANTY

Each Proposal shall be accompanied by a cashier's check, certified check, money order or a bid bond by a recognized surety company, in an amount of five percent (5%) of the total amount of the Proposal, payable to the CITY. In the event a Bid Bond is used, it must be on the form prescribed by the City of Sault Ste. Marie. The prescribed "Bid or Proposal Bond" form may be obtained by calling (906) 632-5730.

The Proposal guaranty may be forfeited to the CITY in case of failure on the part of the successful Bidder to enter into the attached form of Agreement to do the work covered by the Proposal at the price and within the time stated therein.

In the event a Certified or Cashier's Check is used for the Bid Bond amount and dated more than 10 days prior to the Bid Opening (Letting) date, the Bid Proposal may be held unresponsive and result in rejection of the Bid Proposal.

10. QUALIFICATIONS OF BIDDERS

It is the intention of the CITY to award this Contract to the Bidder most fully capable, both financially and as regards to experience, to perform and complete all work in a satisfactory manner. Evidence of such competency must be furnished, if desired, including a listing of similar projects which the Bidder has satisfactorily undertaken and completed. This project also requires bidders to be MDOT pre-qualified in the specified category of work as noted in the Advertisement.

11. REQUIREMENT FOR SIGNING PROPOSALS

Proposals which are not signed by the individual making them shall have attached thereto a power of attorney evidencing authority to sign the Proposal in the name of the person for whom it is signed.

Proposals which are signed by a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Proposal a power of attorney evidencing authority to sign the Proposal, executed by the partners.

Proposals which are signed for a corporation shall have the correct corporate name thereof and the signatures of the president or other authorized officers of the corporation manually written below the corporate name following the word "By". If such a Proposal is manually signed by an officer other than the president of the corporation, a certified copy of a resolution of the Board of Directors evidencing the authority of such an official to sign the Proposal shall be attached to it. Such a Proposal shall also bear the attested signature of the secretary of the corporation and the impression of the corporate seal.

All Bidders shall complete the enclosed form entitled "Legal Status of Bidder". (See Pg-18)

12. EXECUTION OF AGREEMENT

The Bidder to whom an award is made will be required to enter into a written Agreement in the form hereto annexed, within twenty (20) days, Sundays and legal holidays excepted, after being notified of the acceptance of his Proposal and receipt by him of copies of the Contract Documents to be executed.

In case of failure to comply with this requirement, he shall be considered to have abandoned all rights and interest in the award, his Proposal guaranty may be declared forfeited to the CITY and the Contract may be awarded to another.

13. INSURANCE AND BONDS

The successful Bidder will be required to carry insurance in the amounts and kinds specified in Section I 1-2 of the Bid Documents. Such insurance must be with companies and in a form satisfactory to the CITY, and certificates of such insurance must be attached to each copy of the executed Contract Documents.

The successful Bidder will be required to furnish for each set of the executed Contract Documents and conformed copies thereof, an original conformed Performance Bond and Labor and Material (Payment) Bond on the form attached hereto with a surety acceptable to the CITY, as follows:

- a. Performance Bond, Labor and Material (Payment) Bond each in the amount of One Hundred percent (100%) of the Contract Price to insure the completion of the entire Project according to the Contract Documents and to secure Payment of all labor, materials and Subcontractors according to the statutes of the State at that time in effect.

14. PERMITS AND LOCAL CODES

The successful Bidder shall obtain, at his expense, all required local and state construction permits and shall comply with all local and state building, electrical and plumbing codes and inspection requirements as applicable to this project.

15. NONDISCRIMINATION

Contracts for work under this Proposal will obligate the contractors and subcontractors not to discriminate in employment practices.

Bidders must, if requested, submit a compliance report concerning their employment practices and policies in order to maintain their eligibility to receive the award of the contract.

Successful Bidders must, if requested, submit a list of all subcontractors who will perform work on the project and written signed statements from authorized agents of the labor pools with which they will or may deal for employees on the work together with supporting information to the effect that said labor pools practices and policies are in conformity with Executive Order No. 11246, as amended, and that said labor pools will affirmatively cooperate in or offer no hindrance to the recruitment, employment, and equal treatment of employees seeking employment and performing work under the contract or, a certification as to what efforts have been made to secure such statements when such agents or labor pools have failed or refused to furnish same prior to the award of the contract.

16. HEALTH AND SAFETY

The successful Bidder shall comply with the Health and Safety Regulations, Chapter XVII of Title 29 CFR, Part 1926, as promulgated by the Department of Labor, and/or applicable state and local Safety and Health Regulations. All questions regarding compliance and enforcement, as well as requests for the Regulations, should be directed to the Department of Labor and/or local agencies.

17. EXISTING INFORMATION

Any notations shown on the plans are for general information purposes only and are not intended to relieve the Contractor of his responsibility of investigating all local conditions affecting the work. Such locations of public utilities as are shown on the plans are taken from sources believed to be reliable. The CITY will not be responsible for any omissions of, or variations from, the indicated location of existing utilities which may be encountered in the work.

No plea of ignorance of conditions which exist or which may hereafter exist, or of any difficulties which may be encountered will be accepted as the basis for any failure or omission on the part of the Contractor to fulfill all of the requirements of this Contract, nor will such failure or omission be accepted as the basis for any claims of any nature for extra compensation or extension of time. The submission of a bid shall be considered as prima facie evidence of compliance with this section.

18. EMPLOYMENT OF LOCAL LABOR

In accordance with the goal of the City to increase employment opportunities wherever possible within our community, Bidders should be aware that one factor in considering bid award shall be the amount of local (Chippewa County) labor to be hired by the contractor and subcontractor. Each bidder is required to estimate the

total man hours to be expended on the "on-site" construction of the project, and the percentage of those man hours which will involve local labor. Penalties for non-compliance will be agreed to prior to bid award.

The payrolls maintained by the CONTRACTOR shall include address, and shall be furnished to the City of Sault Ste. Marie upon request in order to assure compliance.

Bidders estimate as to total man hours to be expended in "on-site"
Construction. N/A Man Hours

Bidders estimate as to man hours which will involve local
Labor N/A %

(INFBID-C 8/2020)

Letting Date:

Item No:

Contract ID:

DESIGNATED and SPECIALTY ITEMS

DESIGNATED ITEMS:

COMPANY NAME AND ADDRESS OF PREQUALIFIED
SUBCONTRACTOR DOING WORK:

(COMPANY NAME)

(COMPANY ADDRESS)

SPECIALTY ITEMS:

(COMPANY NAME)

(COMPANY ADDRESS)

CITY OF SAULT STE. MARIE

SOUTH STREET

B-01-23

Project Summary

Construction work will consist of 0.19 miles of mainline reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs.

MISS DIG (800-482-7171) shall be notified prior to beginning excavation at each location.

Proper traffic control procedures in accordance with the 2011 MMUTCD shall be strictly adhered to. In particular, traffic regulators (flaggers) shall be used in applicable situations.

The City of Sault Ste. Marie Engineering Department will provide construction observation of the project during construction.

Name of Bidder: _____

BID FORM
FOR
SOUTH STREET
BID NUMBER B-01-23
FOR
CITY OF SAULT STE. MARIE, MICHIGAN

To the City of Sault Ste. Marie (herein referred to as CITY):

The undersigned as Bidder hereby declares that this Bid is made in good faith, without fraud or collusion with any person or persons bidding on the same Contract; that he/she has read and examined the Advertisement, Information for Bidders, Agreement, Forms for Bonds (where applicable), Specifications and plans, as prepared by the CITY, and understands all of the same; that he/she or his/her representative has informed himself/herself fully with regard to the conditions to be met in the execution of the Contract, and the undersigned proposes to furnish all labor, materials, tools, power, transportation and construction equipment necessary for completing this project as herein specified for the CITY and perform related work in full accordance with aforesaid Contract Documents, including any and all Addenda officially issued; the receipt of which is hereby acknowledged:

Addendum No.	Date	Signature
_____	_____	_____
_____	_____	_____
_____	_____	_____

Bid Price: The Bidder agrees to complete the Work required for this construction project in accordance with the Contract Documents for the following unit prices and or lump sums as indicated starting on page BF-3.

NAME, ADDRESS, LEGAL STATUS, AND SIGNATURE OF BIDDER

This Bid is submitted in the name of:

(Print) _____

The undersigned hereby designates below his/her business address to which all notices, directions or other communications may be served or mailed:

Street _____

City _____

State _____ Zip Code _____

The undersigned hereby declares that he/she has 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 names, titles and home addresses of all persons who are officers or Partners in the organization are as follows:

NAME AND TITLE	HOME ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

BID FORM

CITY OF SAULT STE. MARIE, MICHIGAN

B-01-23

Project Title: South Street Reconstruction

Location: West 12th Street to Dead End



<i>ITEM</i>	<i>ITEM DESCRIPTION</i>	<i>ESTIMATED QUANTITY</i>	<i>UNIT</i>	<i>COST (\$)</i>	<i>TOTAL (\$)</i>
1	<i>Mobilization, Max</i>	<i>1.000</i>	<i>LSUM</i>		
2	<i>Culv, Rem, Less than 24 inch</i>	<i>3.000</i>	<i>Ea</i>		
3	<i>Culv, Rem, 24 inch to 48 inch</i>	<i>1.000</i>	<i>Ea</i>		
4	<i>Ditch Cleanout</i>	<i>6.000</i>	<i>Sta</i>		
5	<i>Machine Grading</i>	<i>10.000</i>	<i>Sta</i>		
6	<i>Erosion Control, Silt Fence</i>	<i>750.000</i>	<i>Ft</i>		
7	<i>Aggregate Base, 3 inch</i>	<i>625.000</i>	<i>Syd</i>		
8	<i>Aggregate Base, 8 inch</i>	<i>125.000</i>	<i>Syd</i>		
9	<i>Aggregate Base, 10 inch</i>	<i>250.000</i>	<i>Syd</i>		
10	<i>_Aggregate Base, 2 inch</i>	<i>2600.000</i>	<i>Syd</i>		
11	<i>Shld, CI II, 3 inch</i>	<i>450.000</i>	<i>Syd</i>		
12	<i>Culv End Sect, 18 inch</i>	<i>4.000</i>	<i>Ea</i>		
13	<i>Culv End Sect, 24 inch</i>	<i>4.000</i>	<i>Ea</i>		
14	<i>Culv, CI E, Conc, 18 inch</i>	<i>40.000</i>	<i>Ft</i>		

15	<i>Culv, CI E, Conc, 24 Inch</i>	<i>120.000</i>	<i>Ft</i>		
16	<i>HMA Surface Rem.</i>	<i>220.000</i>	<i>Syd</i>		
17	<i>HMA Approach</i>	<i>90.000</i>	<i>Ton</i>		
18	<i>HMA, 4EML</i>	<i>375.000</i>	<i>Ton</i>		
19	<i>Post, Mailbox</i>	<i>2.000</i>	<i>Ea</i>		
20	<i>Post, Steel, 3 lb</i>	<i>108.000</i>	<i>Ft</i>		
21	<i>Sign, Type III, Erect, Salv</i>	<i>11.000</i>	<i>Ea</i>		
22	<i>Sign, Type IIIA</i>	<i>9.000</i>	<i>Sft</i>		
23	<i>Sign, Type IIIB</i>	<i>25.000</i>	<i>Sft</i>		
24	<i>Minor Traf Devices</i>	<i>1.000</i>	<i>Ea</i>		
25	<i>Traf Regulator Control</i>	<i>1.000</i>	<i>Sft</i>		
26	<i>Riprap, Plain</i>	<i>50.00</i>	<i>Syd</i>		
27	<i>Slope Restoration, Non-Freeway, Type A</i>	<i>1,685.000</i>	<i>Syd</i>		
28	<i>Contractor Staking</i>	<i>1.000</i>	<i>LSUM</i>		
29	<i>Pavt Mrkg, Ovly Cold Plastic, 24 Inch, Stop Bar</i>	<i>11.000</i>	<i>Ft</i>		
				<i>TOTAL (\$)</i>	

DESCRIPTION OF WORK: Site work, culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs, and restoration work as detailed in the Plans and Specifications of the Bid Documents.

The BIDDER agrees to complete all work as described herein and as shown on the plan sheets and specifications for the total sum of:

_____ Dollars (\$ _____)

(Amounts shall be shown in both words and figures; in case of discrepancy, the amount shown in words shall govern. Total will be checked using units & unit prices shown above.)

GENERAL NOTES

Measurement and payment shall be at the Contract Unit Price per pay item in the Proposal.

The undersigned as BIDDER, hereby declares that this Proposal is made in good faith, without fraud or collusion with any person bidding on the same contract.

The undersigned CONTRACTOR and CITY acknowledge for certain public agency construction contracts Michigan Statutes (Act No. 524, Public Acts of 1980) require the payment of interest on retainage. The parties hereto agree however, to waive the requirements of Act No. 524 (MCLA 125.1561) if a contract is entered into between them to perform the construction improvements. In lieu of application of the Statute, the parties adopt the retainage terms and conditions contained in these contract General Conditions for their mutual convenience. The CITY agrees to pay and the CONTRACTOR agrees to accept the applicable sum as indicated in the following table as a stipulated interest on the retained amounts under the terms and conditions of this contract pursuant to the applicable Statute mentioned above. Such sums shall be paid at completion of the project and will be included in the last payment applicable to the project:

ORIGINAL CONTRACT AMOUNT	STIPULATED INTEREST ON RETAINAGE (\$)
\$0 TO 49,999	25
50,000 to 99,999	50
100,000 to 249,000	100
250,000 to 499,999	150
500,000 to 749,999	250
750,000 to 999,999	400
1,000,000 and Over	Act No 524 will apply

The undersigned has examined the specifications and other contract documents, and the location of the work described herein and, on the drawings, and is fully informed as to the nature of the work and the conditions relating to its performance and understands that the quantities shown are approximate only and are subject to either increase or decrease.

The undersigned hereby proposes to furnish all necessary equipment, perform all the work including traffic control, furnish all the materials and for the unit prices named in the Bid Form, to complete the work as herein described in accordance with the project plans, specifications (referenced or included), the contract Special Provisions and Supplemental Specifications. All materials used will be in strict conformity with the requirements of the specifications and such other supplemental specifications and Special Provisions as may be a part of the Contract Documents.

The undersigned agrees that if the foregoing BID shall be accepted by the CITY, he/she will within ten (10) days (Sundays and legal holidays excepted) after receiving Notice of Award, enter into a Contract Agreement and will complete the project ready for use, at the prices and within the time stated in this Bid Form, and that he/she will furnish the CITY with satisfactory certificates of insurance coverage, Payment Bond, and Performance Bond in amounts as herein specified.

The undersigned further agrees that should this Bid be accepted by the CITY, he/she will complete work by or before July 31, 2023 including completion of all work items included in this project.

The “completed by” dates as specified has been set with the understanding that the Contract Award is approved through the city commission meeting to be held on **Monday, April 3, 2023.**

The undersigned also agrees that for each and every calendar day that he/she may be in default of substantial completion of the work, within the time specified in this Proposal or within the time to which said time of completion may be extended for good cause shown, the CITY will suffer a damage of four Hundred dollars (\$400.00) per day, and said CITY shall be compensated therefore at that rate as liquidated damages in accordance with the Agreement Form.

In submitting this Bid, it is understood that the CITY reserves the right to accept or reject any or all Bids, waive irregularities in any Bid and make the award in any manner deemed for the best interest of the CITY.

Dated and signed at _____, this the _____ day of _____, 2023.

Bidders Name

Official Address

By

Signature

Title

Telephone

INFORMATION ON COMPLETION OF DESIGNATED AND SPECIALTY ITEMS PAGE

The contractor may subject the item(s) of work stipulated on the DESIGNATED and SPECIALTY ITEMS page in this bid in accordance with Section 108.01 of the 2020 Stand Specifications.

If the contractor **IS NOT** prequalified in EITHER the DESIGNATED or SPECIALTY ITEMS noted in this bid, the contractor MUST, prior to contract award, indicate the company name and address of a prequalified subcontractor in the space provided. If such company name is provided, the contractor MUST sublet the appropriate items to the prequalified subcontractor named, **unless the subcontractor is not prequalified at the time the work is to be performed, or the subletting of the item to another prequalified subcontractor is agreed to in writing by both the contractor and the named subcontractor.**

If the contractor **IS** prequalified in EITHER the DESIGNATED or SPECIALTY ITEMS noted in this bid and does not intend to do the work with its own forces, the contractor may indicate the company name and address of a prequalified subcontractor in the space provided. If such company name is provided, the contractor MUST sublet the appropriate items to the prequalified subcontractor named, **unless the subcontractor is not prequalified at the time the work is to be performed, or the subletting of the item to another prequalified subcontractor is agreed to in writing by both the contractor and the named subcontractor.**

If the contractor **IS** prequalified in the DESIGNATED or SPECIALTY ITEMS noted and NO subcontractor is named, any later decision to subcontract said items of work is subject to the sixty percent (60%) limitation of subcontracting.

At the time that a subcontractor is named in a bid to perform any of the DESIGNATED or SPECIALTY ITEMS, that subcontractor must be prequalified for the classification which includes the work it is to perform. In selecting a subcontractor, the prime contractor shall assure itself that the prospective subcontractor has sufficient equipment, working force, and supervision to complete the designated or specialty items to be subcontracted within the specified time limit.

It is understood and agreed that the prequalification of the subcontractor by the Department pursuant to 1933 P.A. 170 is not a guarantee or warranty of the subcontractor's ability to perform or complete the work contained herein.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto THE CITY OF SAULT STE. MARIE, MICHIGAN as Owner in the penal sum of (5% of Proposal at a minimum) for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

Signed, this _____ day of _____, 2023.

The Condition of the above obligation is such that whereas the Principal has submitted to THE CITY OF SAULT STE. MARIE, MICHIGAN a certain Bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for the: SOUTH STREET B-01-23 including: of 0.19 miles of mainline reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs.

NOW THEREFORE,

- (a) If said Bid shall be rejected, or in the alternate,
- (b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulated and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extensions of the time within which the CITY OF SAULT STE. MARIE may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(L.S.)
Principal

Surety

By: _____

IMPORTANT - Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Michigan.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that

(Name of Contractor)

(Address of Contractor)

a (Corporation, Partnership or Individual) hereinafter called Principal, and

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

THE CITY OF SAULT STE. MARIE, MICHIGAN

225 E. Portage Avenue, Sault Ste. Marie, Michigan 49783

hereinafter called OWNER, in the penal sum of: \$_____ in lawful money of the United States, for the payment of which sum well and truly to be made, we the Principal and Surety, bind ourselves, our heirs, executors, administrators and successors, to be liable jointly and severally for the performance of the contract defined below in accordance with the plans, specifications, and terms thereof. The Surety is liable for the costs of correcting and completing the Principal's work above the contract balance and shall be liable for liquidated or actual damages caused by the Principal's default or non-performance. This bond is for the protection of the Owner. The balance due on the contract shall be paid to the Surety upon its undertaking of the work for the Principal. Upon demand of Owner, Surety shall undertake the work of the Principal and prosecute the work with diligence to completion. If Surety shall fail to do this within 15 days of Owner's demand, Owner may proceed to enforce any remedy under the contract available to Owner.

THE CONDITION OF THIS OBLIGATION is such that Whereas, the Principal entered into a certain contract with the OWNER dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of: SOUTH STREET: B-01-23: Culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs.

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the

undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER with or without notice to the Surety, and if the Principal shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise Surety shall make such payments or perform such obligations and this obligation to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

IN WITNESS WHEREOF, this instrument is executed in four (4) counterparts each one of which shall be deemed an original, this the _____ day of _____, 20 ____ .

(Principal)

By: _____

Its: _____

(Surety)

By: _____

Its: _____

(Witness to Surety)

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is a Partnership, all partners should execute the Bond.

IMPORTANT: Surety companies executing Bonds must appear on the Treasury Department's most current list as amended and be authorized to transact business in the State of Michigan.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that

(Name of Contractor)

(Address of Contractor)

a (Corporation, Partnership or Individual) hereinafter called Principal, and

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto:

THE CITY OF SAULT STE. MARIE, MICHIGAN

225 E. Portage Avenue, Sault Ste. Marie, Michigan 49783

hereinafter called OWNER, in the penal sum of: \$ _____ in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that Whereas, the Principal entered into a certain contract with the OWNER dated the ____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of: SOUTH STREET B-01-23: reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modifications thereof, including all amounts due for materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and all labor, performed in such work whether by subcontractor or otherwise, then this obligation shall be void, otherwise Surety shall make such payments and this obligation to remain in full force and effect.

PROVIDED, FURTHER, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER with or without notice to the Surety, and if the

Principal shall satisfy all claims and demand incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise Surety shall make such payments and this obligation to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the OWNER and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in four (4) counterparts each one of which shall be deemed an original, this the _____ day of _____, 20__ .

(Principal)

By: _____

Its: _____

(Surety)

By: _____

Its: _____

(Witness to Surety)

NOTE: Date of Bond must not be prior to date of Contract. If Contractor is a Partnership, all partners should execute the Bond.

IMPORTANT: Surety companies executing Bonds must appear on the Treasury Department's most current list as amended and be authorized to transact business in the State of Michigan.

CITY OF SAULT STE. MARIE

AGREEMENT

THIS AGREEMENT, made as of the _____ day of _____, 20____, by and between the CITY OF SAULT STE. MARIE, MICHIGAN, hereinafter called the OWNER OR CITY, and _____ hereinafter called the CONTRACTOR.

- WITNESSETH, that whereas the CITY intends to contract for the reconstruction of 0.19 miles of mainline reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs. The project title is “B-01-23 South Street”.
- NOW, THEREFORE, THE CITY AND CONTRACTOR for the considerations hereinafter set forth, agree as follows:

- I. THE CONTRACTOR AGREES to furnish all the necessary labor, materials, equipment, tools and services necessary to perform and complete, in a workmanlike manner, all work required for the complete construction the above described work, as specified in the Proposal and in strict compliance with applicable local, state and federal codes and the Contract Documents herein mentioned, which are hereby made a part of the Contract, including the following Addenda:

ADDENDUM NO.	DATED
_____	_____
_____	_____
_____	_____

- A. Contract Time: Work under this Agreement shall be commenced upon the CONTRACTOR’S receipt of the executed Agreement signed by the CITY or upon the date as specified in the written Notice to Proceed (if such date is different from the date of the executed Agreement) and the work shall be completed according to the following schedule:

Final Completion: July 31, 2023

as specified in the Bid Proposal, a copy of which is attached.

a) If the CONTRACTOR refuses or fails to prosecute the work or any separate part thereof, with such diligence as will insure its completion, ready for use, within the number of consecutive calendar days specified herein, or any extension thereof, or fails to complete said work within such time, the CITY may, by written notice to the CONTRACTOR, terminate his/her right to proceed with the Project or such part of the Project as to which there has been delay. In such event, the CITY may take over the Project and prosecute the same to completion, by contract or otherwise, and the CONTRACTOR shall be liable to the CITY for any excess cost occasioned the CITY thereby. If the CONTRACTOR'S right to proceed is so terminated, the CITY may take possession of and utilize in completing the Project such materials, appliances, and plants as may be on the site of the Project and necessary therefore

B. Liquidated Damages: The CITY and CONTRACTOR recognize that time is of the essence in fulfilling the requirements of this Agreement and also recognize that the CITY will suffer financial loss if the work is not completed within the times specified in paragraph "A" above, plus any extensions thereof allowed in accordance with Section 23 of the General Conditions. The CITY and CONTRACTOR also recognize the delays, expense and difficulties involved in proving the actual loss suffered by the CITY if the work is not completed on time.

If the CONTRACTOR shall neglect, refuse or fail to complete the required work within the time specified in Paragraph I. A. for completion and readiness for final payment or any proper extension thereof granted by the CITY, the CONTRACTOR shall pay the CITY Four Hundred Dollars (\$400.00) for each calendar day that expires after the time specified in Paragraph "A" until such time as Final Completion is attained; ready for final payment.

C. Sub-contractors: The CONTRACTOR agrees to bind every sub-contractor by the terms of the Contract Documents. The Contract Documents shall not be construed as creating any contractual relation between any Sub-contractor and the CITY.

II. THE CITY AGREES to pay, and the CONTRACTOR agrees to accept, in full payment for the performance of this Contract an amount to be determined by the actual constructed quantities and the Unit Prices and Lump Sums set forth in the attached Proposal. This amount is estimated to be _____ Dollars (\$ _____)

A. Progress payments will be made in accordance with the General Conditions of the Contract.

2. The CONTRACTOR and CITY acknowledge that for certain public agency construction contracts Michigan Statutes (Act No. 524, Public Acts of 1980) require the payment of interest on retainage. The parties hereto agree however, to waive the requirements of Act No. 524 (MCLA 125.1561) if a contract is entered into between them to perform the construction improvements. In lieu of application of

the Statute, the parties adopt the retainage terms and conditions contained in these contract General Conditions for their mutual convenience. The CITY agrees to pay and the CONTRACTOR agrees to accept the applicable sum as indicated in the following table as a stipulated interest on the retained amounts under the terms and conditions of this contract pursuant to the applicable Statute mentioned above. Such sums shall be paid at completion of the project and will be included in the last payment applicable to the project:

ORIGINAL CONTRACT AMOUNT	STIPULATED INTEREST ON RETAINAGE (\$)
\$ 0 to 99,999	50
100,000 to 249,999	100
250,000 to 499,999	150
500,000 to 749,999	250
750,000 to 999,999	400
1,000,000 and Over	Act No. 524 will apply

III. **CONTRACT DOCUMENTS:** The Contract comprises the Contract Documents listed in the General Conditions of the Contract. In the event that any provision of one Contract Document conflicts with the provision of another Contract Document, the provision in the contract Document first listed below shall govern, except as otherwise specifically stated.

- A. Agreement (this instrument)
- B. Addenda to Contract Documents
- C. Legal and Procedural Documents
 - 1. Proposal
 - 2. Information for Bidders
 - 3. Advertisement
- D. Detailed Special Provisions and Supplemental Specifications
- E. General Conditions of the Contract
- F. Project Drawings
- G. Bonds
 - 1. Proposal Guaranty
 - 2. Payment Bond
 - 3. Performance Bond

IV. **AUTHORITY AND RESPONSIBILITY OF THE CITY:** The CITY shall decide all questions which may arise relating to the quality and acceptability of materials furnished and work performed, the manner of performance and the rate of progress of the work, all questions which may arise as to the interpretations of the Plans and Specifications; and all questions as to the acceptable fulfillment of the terms of the Contract. The CITY shall decide all questions as to the rights of different Contractors on the Project.

V. **SUCCESSORS AND ASSIGNS:** This Agreement and all of the covenants hereof shall inure to the benefit of and be binding upon the CITY and the CONTRACTOR respectively and his/her partners, successors, assigns and legal representatives. Neither the CITY nor the CONTRACTOR shall have the right to assign, transfer or sublet his/her interests or obligations hereunder without written consent of the other party.

VI. SPECIAL PROVISIONS: The CITY and the CONTRACTOR mutually agree that this Agreement shall be subject to the included Special Provisions, if any, which shall supersede other conflicting provisions of this Agreement.

IN WITNESS WHEREOF, the parties have made and executed this Agreement, the day and year first above written.

(CONTRACTOR'S COMPANY NAME)	

BY: _____	
BY: _____	
(SIGNATURE)	(SIGNATURE)

(PRINT)	(PRINT)
TITLE: _____	
TITLE: _____	
(PRINT)	(PRINT)

<u>CITY OF SAULT STE. MARIE, MICHIGAN</u>	

CITY MANAGER (Brian Chapman) Approved	

CITY OF SAULT STE. MARIE PROJECT INSURANCE REQUIREMENTS

The Contractor/Consultant shall not commence work under this contract until he/she has obtained the insurance required as outlined following this paragraph. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan. All coverage shall be with the insurance carriers rated A- or better with A. M. Best Company and acceptable to the City of Sault Ste. Marie, Michigan.

1. Worker's Compensation Insurance: The Contractor/Consultant shall procure and maintain during the life of this contract, Worker's Compensation and Employers Liability Coverage, including waiver of subrogation in accordance with all applicable Statutes of the State of Michigan. Limits of liability for Employers Liability shall be:

\$500,000 Bodily Injury Each Accident
\$500,000 Disease Policy Limit and
\$500,000 Disease Each Employee

2. Commercial General Liability and Umbrella Liability Insurance: The Contractor/Consultant shall procure and maintain during the life of this contract, Commercial General Liability Insurance on an "Occurrence Basis" including a per project aggregate with the following limits:

General Aggregate (other products/completed operations)	\$2,000,000
Products/Completed Operations Aggregate	\$2,000,000
Personal and Advertising Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000
Damage to Rented Premises	\$500,000
Medical Expense	\$5,000

The Contractor/Consultant shall continue to carry Completed Operations Liability Insurance for at least three (3) years after either 90 days following Substantial Completion of the Work or final payment to the Contractor on any individual Project, whichever is later. Coverage shall include the following:

- a. Contractual Liability
 - b. Products and Completed Operations
 - c. Independent Contractors Coverage
 - d. Broad Form General Liability Extensions or equivalent
 - e. Explosion, Collapse and Underground (XCU) shall not be excluded.
 - f. Coverage shall be Primary and Noncontributory
3. Business Auto and Umbrella Liability Insurance: The Contractor/Consultant shall procure and maintain during the life of this contract Business Auto Liability Insurance, including Michigan No-Fault Coverage, and if necessary, umbrella liability, with limits of liability of not less than \$1,000,000.00 per occurrence combined single limit Bodily Injury and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles and all hired vehicles (Symbol 1).

4. Additional Insured: Commercial General Liability, Business Auto and Umbrella Insurance, as described above, shall include an endorsement stating the following shall be "Additional Insureds": the City of Sault Ste. Marie, all elected and appointed officials, all employees and volunteers, all boards, commissions and/or authorities and board members, including employees and volunteers thereof. Policies shall contain the following Additional Insured forms (and/or equivalent):
 - a. General Liability: On-Going Operations form CG 2010 07/04 or equivalent, Completed Operations form CG 2037 07/04 or equivalent.
 - b. Business Auto: CA 20 48
5. Professional Liability (Errors and Omissions) Insurance (*Professional Architectural and Engineering Services Only*): The Consultant shall procure and maintain during the life of this contract Professional Liability (Errors and Omissions) Insurance, with limits of liability of not less than \$1,000,000.00 per claim.
6. Cancellation Notice: Worker's Compensation Insurance, Commercial General Liability Insurance and Business Auto Liability Insurance and Umbrella Liability Insurance, Professional Liability Insurance (if applicable), as described above, shall include an endorsement stating the following: "It is understood and agreed that Thirty (30) days Advance Written Notice of Cancellation, Non-Renewal, Reduction and/or Material Change shall be sent to:

City Clerk
City of Sault Ste. Marie
225 E. Portage Ave.
Sault Ste. Marie, MI 49783
7. Waiver of Subrogation: Contractor/Consultant shall obtain and provide waiver of subrogation on Commercial General Liability, Auto Liability, Workers Compensation and Umbrella in favor of City of Sault Ste. Marie with respect to losses arising out of or in connection with the work.
8. Proof of Insurance Coverage: The Contractor/Consultant shall provide the City of Sault Ste. Marie at the time the contracts are returned by him/her for execution, certificates and policies as listed below:
 - a. Two (2) copies of Certificate of Liability Insurance (ACORD 25) for Worker's Compensation Insurance, Commercial General Liability Insurance, Business Auto Liability Insurance and Umbrella Liability Insurance. This Certificate shall cite the specific endorsement(s) relative to the "Additional Insured" and "Cancellation Notice" as required above.

If any of the above coverages expire during the term of this contract, the Contractor/Consultant shall deliver renewal certificates and/or policies to the City of Sault Ste. Marie at least ten (10) days prior to the expiration date.

The Contractor/Consultant shall not cancel or reduce the coverage or any insurance without providing written notice to the City. The Contractor shall cease operations immediately on the

occurrence of any such reduction or cancellation and shall not resume operations until new insurance, approved by the City, is in force.

Contractors/Consultants on City projects shall furnish certificates of insurance **before** work has begun.

Revised 2/03/2023

NOTICE OF AWARD

To: _____

PROJECT NAME: SOUTH STREET B-01-23

The OWNER has considered your BID dated _____ for the above referenced project. You are hereby notified that your bid has been accepted for the WORK described as: This project will entail the complete sub-base and base construction, bituminous pavement, concrete curb and gutter, and restoration work located within the City of Sault Ste. Marie, in the total sum of \$_____

You are required to execute the Agreement and furnish the required CONTRACTOR'S certificates of Insurance coverage, Payment Bond, and Performance Bond in the amount specified in the contract documents within ten (10) calendar days from the date of this Notice. Three (3) unsigned copies of the Agreement, prepared for your signature, will be sent to you within 3 business days of this Notice of Award. The NOTICE TO PROCEED will not be issued until the CITY receives the required Bonds, Insurance and executed Agreement from the CONTRACTOR and until such documents are in accordance with the contract requirements and are approved by the CITY.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 20__

Owner: City of Sault Ste. Marie

BY: _____
David S. Boyle, P.E. – City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

this _____ day of _____, 20__

By: _____
(SIGNATURE)

(PRINT)

Title: _____

NOTICE TO PROCEED

TO: _____ DATE: _____

PROJECT: SOUTH STREET B-01-23

You are hereby notified to commence WORK in accordance with the Agreement dated _____, **20**____, on or before _____, **20**____, and you are to complete the WORK in accordance with the Agreement to ensure that the project is completed by **July 31, 2023**.

You are required to return an acknowledged copy of this NOTICE TO PROCEED to the OWNER.

CITY OF SAULT STE. MARIE, MICHIGAN
Owner

BY:
David S. Boyle P.E. – City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by:

(CONTRACTORS COMPANY NAME)

this the _____ day of _____, **20**____,

BY: _____
(SIGNATURE)

(PRINT)

TITLE: _____
(PRINT)

CITY OF SAULT STE. MARIE, MICHIGAN
SUPPLEMENTAL CONDITIONS

City of Sault Ste. Marie

01/2022

General

Conditional Requirements

1. Before bid opening, the Bidder must have paid all current water, sewer, personal property taxes, and other charges owed to the City of Sault Ste. Marie on any account no matter how arising. Any Bidder who at the time of opening the bid is not current on all such charges may be rejected by the City as ineligible to bid. In the alternative, if the City of Sault Ste. Marie chooses to award the bid notwithstanding such delinquency, the Contract payments shall be set off in an amount sufficient to pay all such accounts. The method and time of such set off shall be at the discretion of the City Manager.

SPECIAL PROVISION FOR TAXES

The Contractor shall include, and will be deemed to have included, in its bid and contract price all applicable Michigan Sales and Use Taxes which have been enacted into law as of the date the bid is submitted. To the extent of any conflict, this Special Provision controls over Section 107.01 of the 2020 MDOT “Standard Specifications for Construction”.

SSM: DSB
01/2022

NOTICE TO BIDDERS

TESTING OF MATERIALS:

All materials must be tested and approved in accordance with Section 105.05 of the MDOT 2020 Standard Specifications, or as provided herein, before they enter into the construction of the project. Testing may be performed by the local agency or a commercial testing company. Cost of testing shall be the responsibility of the local agency.

PROGRESS CLAUSE

City of Sault Ste. Marie

1 of 1

02/2023

The Engineer anticipates that construction can begin no earlier than:

- 10 calendar days after award or as directed by the Engineer

In no case shall any work be commenced prior to receipt of formal notice of award by the City.

The Contractor shall prepare and submit a complete, detailed, signed Progress Schedule to the Engineer.

The entire project must be completed by the final completion date of **July 31, 2023**.

Unless specific pay items are provided in the contract any extra costs incurred by the Contractor due to cold-weather protection and winter grading will not be paid for separately but will be included in the payment of other pay items in the contract.

After award and prior to the start of work, the Contractor must attend a preconstruction meeting with the Engineer. The Engineer will determine the day, time and place for the preconstruction meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project.

The named subcontractor(s) for Designated and/or Specialty Items, as shown in the Proposal, should attend the preconstruction meeting if such items materially affect the work schedule.

Failure by the Contractor to meet interim completion, open to traffic, and/or final completion dates will result in the assessment of liquidated damages in accordance with subsection 108.10.C.1 and 108.10.C.2 of the Standard Specifications for Construction.

**SPECIAL PROVISION
FOR
UTILITY COORDINATION - MODIFIED**

City of Sault Ste. Marie

01/2022

A. DESCRIPTION

1. This work shall be done in accordance with Sections 104.08, 107.12 and other applicable sections of the *Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction*, except as follows. The following Utilities have or may have facilities located within the right-of-way:

<u>NAME</u>	<u>LOCAL PHONE</u>
AT&T.....	906-253-1595
Cloverland Electric Cooperative.....	906-635-6800
DTE Energy/Michigan Consolidated Gas Company	906-632-3347
Spectrum	866-874-2389
City of Sault Ste. Marie Water and Sewer Utilities	906-632-3531

ON ALL PROJECTS THREE WORKING DAYS BEFORE YOU DIG, CALL "MISS DIG" TOLL FREE AT 1-800-482-7171.

The owners of public or private utilities which will not interfere with the completed project and which do not constitute a hazard to the public or an extraordinary hazard to the Contractor's operations will not be required to move their facilities on or from the right-of-way.

Work stoppages by employees of utility companies which delay utility revisions on any portion of this project and which directly affect the CONTRACTOR'S operations may be considered as a basis of claim for an extension of time for project completion.

It will be the CONTRACTOR'S responsibility to obtain permission from the utility companies when working within the limits of their right-of-way.

B. CONSTRUCTION METHODS N/A

C. MATERIALS N/A

D. MEASUREMENT AND PAYMENT

1. Payment for this work shall be considered as having been included in the contract unit prices bid for other contract items. When utilities which are not shown on the plans must be moved to new locations, no additional compensation will be paid to the CONTRACTOR nor will extensions of time be granted for reasonable delays beyond the control of the City of Sault Ste. Marie.

**SPECIAL PROVISION
FOR
PROJECT CLEANUP - MODIFIED**

City of Sault Ste. Marie

01/2022

3. DESCRIPTION

1. This work shall be done in accordance with Section 209 and other applicable sections of the *Michigan Department of Transportation (MDOT) 2020 Standard Specifications for Construction*, except as follows.

4. CONSTRUCTION METHODS

1. Project cleanup shall also include removal of all construction debris from the project construction area including areas affected at the ends of the project, as directed by the ENGINEER. Bituminous pavements shall be cleaned prior to opening the pavement surfaces to traffic or notification by the CONTRACTOR that the work is completed, whichever occurs first.
2. During the entire construction phase of the project, the CONTRACTOR shall be required to provide cleanup operations along and on roadways where dirt and/or debris have been deposited due to construction activities and/or related work. As a minimum, cleanup will be performed on a daily basis; additional cleanup will be performed as deemed necessary by the ENGINEER.

5. MATERIALS N/A

6. MEASUREMENT AND PAYMENT

1. Payment for this work shall be considered as having been included in the contract unit prices bid for other contract items.

CITY OF SAULT STE. MARIE

**COORDINATION CLAUSE
FOR OTHER
PROJECTS IN THE VICINITY**

SSM

1 of 1

01/2023

The Contractor shall coordinate his operations with Contractors performing work on other projects within, or adjacent to the Construction Influence Area (CIA) to avoid conflicts in maintaining traffic, construction signing, and progression of construction activities. These projects include but are not limited to:

- City of Sault Ste. Marie – Power Canal Trail
- Cloverland Electric Cooperative – Power Canal Maintenance Project
- City of Sault Ste. Marie – Meridian Street Reconstruction
- City of Sault Ste. Marie – Easterday Avenue Reconstruction
- City of Sault Ste. Marie – Carbide Dock Rehabilitation
- Michigan Department of Transportation – Ashmun Street: Power Canal to East Portage Avenue
- Michigan Department of Transportation – M-129: 10 Mile to West 18th Avenue

The Contractor's attention is called to the requirements of cooperation with others as covered in Article 104.08 of the Michigan Department of Transportation Standard Specifications for Construction. No claim for extra compensation or adjustments in contract unit price will be allowed on account of delay or failure of others to complete work units as scheduled.

SPECIAL PROVISIONS

CITY OF SAULT STE. MARIE

SPECIAL
PROVISION FOR
HMA APPLICATION ESTIMATE

SSM

1 of 1

01/2023

a. **Description.** This work shall be done in accordance with the requirements of Division 5 of the Michigan Department of Transportation 2020 Standard Specifications for Construction except as herein specified.

b. Materials.

HMA, 4EML (Top Course) shall have a yield of 330 pounds per square yard (2.0 inches), placed in 2 two lifts

HMA, Approach (Driveways, quantities are based on a yield of 220 pounds per square yard, placed in two lifts and shall use HMA, 4EML.

Performance Grade shall be PG 58-34 binder for the HMA, 4EML.

Target Air Voids shall be 3.0% on this project.

Minimum Top Course AWI shall be 260.

Bituminous Bind Coat material shall be as per the Michigan Department of Transportation 2020 Standard Specifications for Construction.

c. **Measurement and Payment.** The completed work for HMA will be measured by the ton. All materials, equipment, and labor required to complete the work as described in this Special Provision shall be included in the contract unit price.

CITY OF SAULT STE. MARIE

SPECIAL PROVISION

FOR
**MAINTAINING
TRAFFIC
FOR**

SOUTH STREET – WEST 12TH To DEAD END

SSM

1 of 3

2/2023

a. General. Traffic shall be maintained in accordance with Sections 103, 104 and 812 of the 2020 Michigan Department of Transportation Standard Specifications for Construction, including any Supplemental Specifications, and as herein specified. All traffic control devices and their usage shall comply with the 2011 edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD), as amended, including any Supplemental Specifications, and as herein specified.

The Contractor shall notify the Project Engineer a minimum of 72 hours prior to the implementation of any road closures, or lane closures and major traffic shifts.

The project will be open to local traffic within the specified construction limits during the specified contract times. All areas within the Construction Influence Area (CIA) shall have local traffic maintained at all times throughout the duration of the project, except as noted within this special provision. The property owners and emergency vehicles shall be assured of access to all properties. In addition, freight deliveries to and from the Reiss Coal Dock must be maintained at all times. At no time shall the project be closed down to local traffic (temporary or permanent) without prior approval from the City of Sault Ste. Marie, other than as specified within this special provision. Any changes to the construction signing, CIA or construction staging shall be approved by the City of Sault Ste. Marie prior to implementation.

The City of Sault Ste. Marie and/or Contract Maintenance Agencies may perform maintenance work within or adjacent to the CIA. These maintenance crews will coordinate their operations with the Project Engineer to minimize the interference to the Contractor. No additional payment will be made to the Contractor for the joint use of the traffic control items.

The Contractor shall be responsible for notifying emergency services throughout construction regarding closures, direction of access, etc.

Traffic regulator control is included in the project, for use by the Contractor as needed, at either or both ends of the project limits.

b. Construction Influence Area (CIA). The CIA shall consist of the width of the project right-of-way of South Street, as well as the width of the right-of-way of all intersecting roads and streets, to warn motorists of the construction ahead.

c. Traffic Restrictions.

1. No work nor lane closures will be allowed during the following periods:
 - Memorial Day from 3:00 pm on Friday 5/27/2022 to 6:00 am on Tuesday 5/31/2021.
 - Independence Day from 3:00 pm on Friday 7/01/2022 to 6:00 am on Tuesday 7/05/2022.
 - Labor Day from 3:00 pm on Friday 9/02/2022 to 6:00 am on Tuesday 9/06/2022.
2. Conduct all work during daytime hours only.
3. Maintain a minimum of (1) lane of traffic in alternating directions at all times.
4. Maintain driveway access to all businesses and residences during construction. Prior to any temporary closures, coordinate with affected owners during construction.
5. Maintain access to all sidewalks and ramps during construction or as directed by the Engineer.
6. Provide access to residences during construction. This may include accommodations for ADA compliant ingress/egress to homes.
7. Access to side roads may be restricted for short durations at specific locations as directed by the Engineer. Where an intersection is closed or partially closed, keep the adjacent side streets open to traffic. Do not close more than two local side streets at any one time.
8. Once work is initiated that includes any lane restrictions, continue until that work is completed. Remove any lane restrictions where no work has taken place for more than 1 week. No additional payment will be made for removal or replacement of lane restrictions resulting from a lack of work.

d. Traffic Control Devices. All signs, barricades, warning lights and other traffic control devices shall be in accordance with the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD), as amended. Type III barricades shall be lighted and reflectorized on both sides.

The Contractor shall refer to the following MDOT Maintaining Traffic Typical WZD-100-A, WZD-125-E, and 101-GEN-SPACING-CHARTS.

e. Traffic Control. The traffic control required by this Special Provision for work on Three Mile Road and adjacent roadways is to erect and maintain signs for through traffic when specified or detour signing as shown in the plans or otherwise approved to implement a road closure to through traffic when specified

Maintain local traffic as provided herein. An alternate traffic control plan may be used by the Contractor, subject to review and approval by both the Engineer and Local Agency.

The Contractor shall provide access to all properties within the Construction Zone for the duration of the project.

f. Pedestrian or Non-Motorized Facilities. Maintain all facilities in accordance with *The Americans with Disability Act* (ADA) requirements. Provide facilities equivalent to or better than the route a person would have encountered prior to construction activities.

Close and detour any sidewalk ramps and crosswalk areas to pedestrian traffic that are impacted by the work. Cover pedestrian signal heads when the crosswalk or ramp is affected.

Keep sidewalk areas clear of any equipment or materials at all times the sidewalks are open to pedestrian traffic.

g. Measurement and Payment. The estimate of quantities for maintaining traffic on this project is based on the proposed project's scope of work described in this Special Provision.

Payment for temporary signs will be made on the maximum square feet of dissimilar sign legends in use at any one time during the project.

Any additional signing or maintaining traffic devices required to expedite the construction will be at the Contractor's expense.

Payment for covering temporary traffic control signs, as directed by the Engineer, shall be included in the cost of Sign, Type B, Temp, Prismatic, Furn.

Payment for the maintaining traffic devices shall be in accordance with the 2020 edition of the Michigan Department of Transportation Standard Specifications for Construction, as revised, unless otherwise specified.

Contractor shall be responsible for staking the locations of the construction signs, for Miss Dig notification and for the setting of the signs.

h. Traffic Control. The traffic control required by this Special Provision for work on South Street and adjacent roadways is to erect and maintain signs for through traffic when specified or detour signing as shown in the plans or otherwise approved to implement a road closure to through traffic when specified

Maintain local traffic as provided herein. An alternate traffic control plan may be used by the Contractor, subject to review and approval by both the Engineer and Local Agency.

CITY OF SAULT STE. MARIE

NOTICE TO
BIDDERS
FOR
UTILITY COORDINATION

SSM

1 of 1

6/21

a. Description. The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in Section 104.08 of the Michigan Department of Transportation 2012 Standard Specifications for Construction. In addition, for the protection of underground utilities, the contractor shall follow the requirements in Section 107.12 of the Michigan Department of Transportation 2012 Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon Section 108.09 of the Michigan Department of Transportation 2012 Standard Specifications for Construction.

b. Public Utilities. The following Public Utilities have facilities located within and/or adjacent to the project CIA:

Type	Utility Name & Address	Contact Name(s)	Phone
Cable	Charter Communications 2682 Ashmun St. Sault Ste. Marie, MI 49783 Craig.purple@charter.com	Craig Purple	(906) 440-1005 cell (906) 635-3102 Ext. 13912
Electric	Cloverland Electric Cooperative 2916 W. M-28 Dafter, MI 49724 matkinson@cloverland.com	Megan Atkinson	(906) 632-5157
	ATC P.O. Box 6113 DePere, WI 64115 mernst@atcllc.com	Matthew Ernst	(920) 338-6573
Fiber/ Phone	AT&T 310 W. 7 th Ave. Sault Ste. Marie, MI 49783 ma1421@att.com	Mike Anderson	(906) 632-9901 (906) 440-4478 cell
	Peninsula Fiber Network 9984 W. State St. Brimley, MI 49715 rdeneve@jamadots.net	Ron Deneve	(906) 248-3211
Gas	DTE Energy 1125 E. Easterday Ave. Sault Ste. Marie, MI 49783 deweese@dteenergy.com	Todd DeWeese	(906) 632-3347
Water/ Sewer	City of Sault Ste. Marie 1244 E. Easterday Ave. Sault Ste. Marie, MI 49783 ktews@saultcity.com	Kirk Tews	(906) 632-8981

Owners of Public Utilities will not be required by the City/Department to move additional poles or structures in order to facilitate the operation of construction equipment unless it is determined by the Engineer that such poles or structures constitute a hazard to the public or are extraordinarily dangerous to the Contractor's operations.

**MDOT
SPECIAL
PROVISIONS**

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
SAMPLING ASPHALT BINDER ON LOCAL AGENCY PROJECTS

CFS:TRC

1 of 1

APPR:JWB:KPK:02-19-20
FHWA:APPR:02-19-20

a. Description. This work consists of the Contractor taking samples of the asphalt binder and delivering the samples to the Engineer prior to incorporation into the hot mix asphalt mixture.

b. Materials. For informational purposes, original samples of asphalt binder will be taken by the Contractor and delivered to the Engineer prior to incorporation into the mixture. The frequency of sampling will be determined by the Engineer.

The Contractor must certify in writing that the materials used in the HMA mixture are from the same source as the materials used in developing the HMA mixture design and the bond coat is from an approved supplier as stated in the *Material Quality Assurance Procedures Manual*.

c. Construction. None specified.

d. Measurement and Payment. The cost of obtaining and delivering the samples to the Engineer will be included in the hot mix asphalt (HMA) pay items in the contract.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
RECYCLED HOT MIX ASPHALT MIXTURE ON LOCAL AGENCY PROJECTS

CFS:KPK

1 of 1

APPR:JWB:CJB:02-26-20
FHWA:APPR:03-02-20

Add the following subsection to subsection 501.02.A.2 of the Standard Specifications for Construction.

- c. **Reclaimed Asphalt Pavement (RAP) and Binder Grade Selection.** The method for determining the binder grade in HMA mixtures incorporating RAP is divided into three categories designated Tier 1, Tier 2 and Tier 3. Each tier has a range of percentages that represent the contribution of the RAP binder toward the total binder, by weight. The tiers identified below apply to HMA mixtures with the following exception: Superpave mixture types EML, EML High Stress, EMH, EMH High Stress, and EH, EH High Stress used as leveling or top course must be limited to a maximum of 27 percent RAP binder by weight of the total binder in the mixture.

Recycled materials may be used as a substitute for a portion of the new materials required to produce HMA mixtures in accordance with contract.

- **Tier 1 (0% to 17% RAP binder by weight of the total binder in the mixture).** No binder grade adjustment is made to compensate for the stiffness of the asphalt binder in RAP.
- **Tier 2 (18% to 27% RAP binder by weight of the total binder in the mixture).** For all mixtures no binder grade change will occur in Tier 2 for all shoulder and temporary road mixtures.

Ensure the required asphalt binder grade is at least one grade lower for the low temperature than the design binder grade required for the specified project mixture type. Lowering the high temperature of the binder one grade is optional. For example, if the design binder grade for the mixture type is PG 58-22, the required grade for the binder in the HMA mixture containing RAP would be a PG 52-28 or a PG 58-28.

For Marshall Mixes, no binder grade change will be required when Average Daily Traffic (ADT) is above 7000 or Commercial Average Daily Traffic (CADT) is above 700. No binder grade change will occur for EL mixtures used as leveling or top course.

The asphalt binder grade can also be selected using a blending chart for high and low temperatures. Supply the blending chart and the RAP test data used in determining the binder selection according to *AASHTO M323*.

- **Tier 3 ($\geq 28\%$ RAP binder by weight of the total binder in the mixture).** The binder grade for the asphalt binder is selected using a blending chart for high and low temperatures per *AASHTO M323*. Supply the blending chart and the RAP test data used in determining the binder selection.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
ACCEPTANCE OF HOT MIX ASPHALT MIXTURE ON LOCAL AGENCY PROJECTS

CFS:KPK

1 of 7

APPR:CJB:JWB:02-26-20
FHWA:APPR:03-13-20

a. Description. This special provision provides sampling and testing requirements for local agency projects using the roller method and the nuclear density gauge testing. Provide the hot mix asphalt (HMA) mixture in accordance with the requirements of the standard specifications, except where modified herein.

b. Materials. Provide aggregates, mineral filler (if required), and asphalt binder to produce a mixture proportioned within the master gradation limits shown in the contract, and meeting the uniformity tolerance limits in Table 1.

Table 1: Uniformity Tolerance Limits for HMA Mixtures

Parameter		Top and Leveling Course		Base Course		
Number	Description	Range 1 (a)	Range 2	Range 1 (a)	Range 2	
1	% Binder Content	-0.30 to +0.40	±0.50	-0.30 to +0.40	±0.50	
2	% Passing	# 8 and Larger Sieves	±5.0	±8.0	±7.0	±9.0
		# 30 Sieve	±4.0	±6.0	±6.0	±9.0
		# 200 Sieve	±1.0	±2.0	±2.0	±3.0
3	Crushed Particle Content (b)	Below 10%	Below 15%	Below 10%	Below 15%	
a. This range allows for normal mixture and testing variations. The mixture must be proportioned to test as closely as possible to the Job-Mix-Formula (JMF).						
b. Deviation from JMF.						

Parameter number 2 as shown in Table 1 is aggregate gradation. Each sieve will be evaluated on one of the three gradation tolerance categories. If more than one sieve is exceeding Range 1 or Range 2 tolerances, only the one with the largest exceedance will be counted as the gradation parameter.

The master gradation should be maintained throughout production; however, price adjustments will be based on Table 1. Aggregates which are to be used in plant-mixed HMA mixtures must not contain topsoil, clay, or loam.

c. Construction. Submit a Mix Design and a JMF to the Engineer. Do not begin production and placement of the HMA until receipt of the Engineer's approval of the JMF. Maintain the binder content, aggregate gradation, and the crushed particle content of the HMA mixture within the Range 1 uniformity tolerance limits in Table 1. For mixtures meeting the definition of top or leveling course, field regress air void content to 3.5 percent with liquid asphalt cement unless specified otherwise on HMA application estimate. For mixtures meeting the definition of base course, field regress air void content to 3.0 percent with liquid asphalt cement unless specified

otherwise on HMA application estimate.

Ensure all persons performing Quality Control (QC) and Quality Assurance (QA) HMA field sampling are "Local Agency HMA Sampling Qualified" samplers. At the pre-production or preconstruction meeting, the Engineer will determine the method of sampling to be used. Ensure all sampling is done in accordance with *MTM 313 (Sampling HMA Paving Mixtures)* or *MTM 324 (Sampling HMA Paving Mixtures Behind the Paver)*. Samples are to be taken from separate hauling loads.

For production/mainline type paving, obtain a minimum of two samples, each being 20,000 grams, each day of production, for each mix type. The Engineer will sample and maintain possession of the sample. Sampling from the paver hopper is prohibited. Each sample will be divided into two 10,000 gram parts with one part being for initial testing and the other part being held for possible dispute resolution testing. Obtain a minimum of three samples for each mix type regardless of the number of days of production.

Obtain samples that are representative of the day's paving. Sample collection is to be spaced throughout the planned tonnage. One sample will be obtained in the first half of the tonnage and the second sample will be obtained in the second half of the tonnage. If planned paving is reduced or suspended, when paving resumes, the remaining sampling must be representative of the original intended sampling timing.

Ensure all persons performing testing are Bit Level One certified or Bit QA/QC Technician certified.

Ensure daily test samples are obtained, except, if the first test results show that the HMA mixture is in specification, the Engineer has the option of not testing additional samples from that day.

At the pre-production or preconstruction meeting, the Engineer and Contractor will collectively determine the test method for measuring asphalt content (AC) using *MTM 319 (Determination of Asphalt Content from Asphalt Paving Mixtures by the Ignition Method)* or *MTM 325 (Quantitative Extraction of Bitumen from HMA Paving Mixtures)*. Back calculation will not be allowed for determining asphalt content.

Ensure all labs performing local agency acceptance testing are qualified labs per the *HMA Production Manual and the Michigan Quality Assurance Procedures Manual*, and participate in the MDOT round robin process, or they must be *AASHTO Materials Reference Laboratory (AMRL)* accredited for *AASHTO T30* or *T27*, and *AASHTO T164* or *T308*. Ensure on non-National Highway System (NHS) routes, Contractor labs are made available, and may be used, but they must be qualified labs as previously stated. Contractor labs may not be used on NHS routes. Material acceptance testing will be completed by the Engineer within 14 calendar days, except holidays and Sundays, for projects with less than 5,000 tons (plan quantity) of HMA and within 7 calendar days, except holidays and Sundays, for projects with 5,000 tons (plan quantity) or more of HMA, after the Engineer has obtained the samples. QA test results will be provided to the Contractor after the Engineer receives the QC test results. Failure on the part of the Engineer or the laboratory to provide QA test results within the specified time frame does not relieve the Contractor of their responsibility to provide an asphalt mix within specifications.

The correlation procedure for ignition oven will be established as follows. Asphalt binder content based on ignition method from *MTM 319*. Gradation (*ASTM D5444*) and Crushed particle content (*MTM 117*) based on aggregate from *MTM 319*. The incineration temperature will be established

at the pre-production meeting. The Contractor will provide a laboratory mixture sample to the acceptance laboratory to establish the correction factor for each mix. Ensure this sample is provided to the Engineer a minimum of 14 calendar days prior to production.

For production/mainline type paving, the mixture may be accepted by visual inspection up to a quantity of 500 tons per mixture type, per project (not per day). For non-production type paving defined as driveways, approaches, and patching, visual inspection may be allowed regardless of the tonnage.

The mixture will be considered out-of-specification, as determined by the acceptance tests, if for any one mixture, two consecutive tests per parameter, (for Parameter 2, two consecutive aggregate gradations on one sieve) are outside Range 1 or Range 2 tolerance limits. If a parameter is outside of Range 1 tolerance limits and the second consecutive test shows that the parameter is outside of Range 2, then it will be considered to be a Range 1 out-of-specification. Consecutive refers to the production order and not necessarily the testing order. Out-of-specification mixtures are subject to a price adjustment per the Measurement and Payment section of this special provision.

Contractor operations will be suspended when the mixture is determined to be out-of-specification, but contract time will continue to run. The Engineer may issue a Notice of Non-Compliance with Contract Requirements (Form 1165), if the Contractor has not suspended operations and taken corrective action. Submit a revised JMF or proposed alterations to the plant and/or materials to achieve the JMF to the Engineer. Effects on the Aggregate Wear Index (AWI) and mix design properties will be taken into consideration. Production and placement cannot resume until receipt of the Engineer's approval to proceed.

Pavement in-place density will be measured using one of two approved methods. The method used for measuring in-place density will be agreed upon at a pre-production or preconstruction meeting.

Pavement in-place density tests will be completed by the Engineer during paving operations and prior to traffic staging changes. Pavement in-place density acceptance testing will be completed by the Engineer prior to paving of subsequent lifts and being open to traffic.

Option 1 - Direct Density Method

Use of a nuclear density gauge requires measuring the pavement density using the Gmm from the JMF for the density control target. The required in-place density of the HMA mixture must be 92.0 to 98.0 percent of the density control target. Nuclear density testing and frequency will be in accordance with the *MDOT Density Testing and Inspection Manual*.

Option 2 - Roller Method

The Engineer may use the Roller Method with a nuclear or non-nuclear density gauge to document achieving optimal density as discussed below.

Use of the density gauge requires establishing a rolling pattern that will achieve the required in-place density. The Engineer will measure pavement density with a density gauge using the Gmm from the JMF for the density control target.

Use of the Roller Method requires developing and establishing density frequency curves, and

meeting the requirements of Table 2. A density frequency curve is defined as the measurement and documentation of each pass of the finished roller until the in-place density results indicate a decrease in value. The previous recording will be deemed the optimal density. The Contractor is responsible for establishing and documenting an initial or QC rolling pattern that achieves the optimal in-place density. When the density frequency curve is used, the Engineer will run and document the density frequency curve for each half day of production to determine the number of passes to achieve the maximum density. Table 5, located at the end of this special provision, can be used as an aid in developing the density frequency curve. The Engineer will perform density tests using an approved nuclear or non-nuclear gauge per the manufacturer's recommended procedures.

Table 2: Minimum Number of Rollers Recommended Based on Placement Rate

Average Laydown Rate, Square Yards per Hour	Number of Rollers Required (a)	
	Compaction	Finish
Less than 600	1	1 (b)
601 - 1200	1	1
1201 - 2400	2	1
2401 - 3600	3	1
3601 and More	4	1

a. Number of rollers may increase based on density frequency curve.
b. The compaction roller may be used as the finish roller also.

After placement, roll the HMA mixture as soon after placement as the roller is able to bear without undue displacement or cracking. Start rolling longitudinally at the sides of the lanes and proceed toward the center of the pavement, overlapping on successive trips by at least half the width of the drum. Ensure each required roller is 8 tons minimum in weight unless otherwise approved by the Engineer.

Ensure the initial breakdown roller is capable of vibratory compaction and is a maximum of 500 feet behind the paving operations. The maximum allowable speed of each roller is 3 miles per hour (mph) or 4.5 feet per second. Ensure all compaction rollers complete a minimum of two complete rolling cycles prior to the mat temperature cooling to 180 degrees Fahrenheit (F). Continue finish rolling until all roller marks are eliminated and no further compaction is possible. The Engineer will verify and document that the roller pattern has been adhered to. The Engineer can stop production when the roller pattern is not adhered to.

d. Measurement and Payment. The completed work, as described, will be measured and paid for using applicable pay items as described in subsection 501.04 of the Standard Specifications for Construction, or the contract, except as modified below.

Base Price. Price established by the Department to be used in calculating incentives and adjustments to pay items and shown in the contract.

If acceptance tests, as described in section c. of this special provision, show that a Table 1 mixture parameter exceeds the Range 1, but not the Range 2, tolerance limits, that mixture parameter will be subject to a 10 percent penalty. The 10 percent penalty will be assessed based on the acceptance tests only unless the Contractor requests that the 10,000 gram sample part retained for possible dispute resolution testing be tested. The Contractor has 4 calendar days from receipt

of the acceptance test results to notify the Engineer, in writing, that dispute resolution testing is requested. The Contractor's QC test results for the corresponding QA test results must result in an overall payment greater than QA test results otherwise the QA tests will not be allowed to be disputed. The Engineer has 4 calendar days to send the dispute resolution sample to the lab once dispute resolution testing is requested. The dispute resolution sample will be sent to an independent lab selected by the Local Agency, and the resultant dispute test results will be used to determine the penalty per parameter, if any. Ensure the independent lab is a MDOT QA/QC qualified lab or an AMRL HMA qualified lab. The independent lab must not have conflicts of interest with the Contractor or Local Agency. If the dispute testing results show that the mixture parameter is out-of-specification, the Contractor will pay for the cost of the dispute resolution testing and the contract base price for the material will be adjusted, based on all test result parameters from the dispute tests, as shown in Table 3 and Table 4. If the dispute test results do not confirm the mixture parameter is out-of-specification, then the Local Agency will pay for the cost of the dispute resolution testing and no price adjustment is required.

If acceptance tests, as described in section c. of this special provision, show that a Table 1 mixture parameter exceeds the Range 2 tolerance limits, the 10,000 gram sample part retained for possible dispute resolution testing will be sent, within 4 calendar days, to the MDOT Central Laboratory for further testing. The MDOT Central Laboratory's test results will be used to determine the penalty per mixture parameter, if any. If the MDOT Central Laboratory's results do not confirm the mixture parameter is out-of-specification, then no price adjustment is required. If the MDOT Central Laboratory's results show that the mixture is out-of-specification and the Engineer approves leaving the out-of-specification mixture in place, the contract base price for the material will be adjusted, based on all parameters, as shown in Table 3 and Table 4.

In the case that the Contractor disputes the results of the test of the second sample obtained for a particular day of production, the test turn-around time frames given would apply to the second test and there would be no time frame on the first test.

The laboratory (MDOT Central Laboratory or independent lab) will complete all Dispute Resolution testing and return test results to the Engineer, who will provide them to the Contractor, within 13 calendar days upon receiving the Dispute Resolution samples.

In all cases, when penalties are assessed, the penalty applies to each parameter, up to two parameters, that is out of specification.

Table 3: Penalty Per Parameter

Mixture Parameter out-of-Specification per Acceptance Tests	Mixture Parameter out-of-Specification per Dispute Resolution Test Lab	Price Adjustment per Parameter
No	N/A	None
Yes	No	None
	Yes	Outside Range 1 but not Range 2: decrease by 10% Outside Range 2: decrease by 25%

The quantity of material receiving a price adjustment is defined as the material produced from the time the first out-of-specification sample was taken until the time the sample leading to the first in-specification test was taken.

Each parameter of Table 1 is evaluated with the total price adjustment applied to the contract base price based on a sum of the two parameter penalties resulting in the highest total price adjustment as per Table 4. For example, if three parameters are out-of-specification, with two parameters outside Range 1 of Table 1 tolerance limits, but within Range 2 of Table 1 limits and one parameter outside of Range 2 of Table 1 tolerance limits and the Engineer approves leaving the mixture in place, the total price adjustment for that quantity of material is 35 percent.

Table 4: Calculating Total Price Adjustment

Cost Adjustment as a Sum of the Two Highest Parameter Penalties		
Number of Parameters Out-of-Specification	Range(s) Outside of Tolerance Limits of Table 1 per Parameter	Total Price Adjustment
One	Range 1	10%
	Range 2	25%
Two	Range 1 and Range 1	20%
	Range 1 and Range 2	35%
	Range 2 and Range 2	50%
Three	Range 1, Range 1 and Range 1	20%
	Range 1, Range 1 and Range 2	35%
	Range 1, Range 2 and Range 2	50%
	Range 2, Range 2 and Range 2	50%

Table 5: Density Frequency Curve Development

Tested by: _____ Date/Time: _____

Route/Location:		Air Temp:
Control Section/Job Number:		Weather:
Mix Type:	Tonnage:	Gauge:
Producer:	Depth:	Gmm:

Roller #1 Type:

Pass No.	Density	Temperature	Comments
1			
2			
3			
4			
5			
6			
7			
8			
Optimum			

Roller #2 Type:

Pass No.	Density	Temperature	Comments
1			
2			
3			
4			
5			
6			
7			
8			
Optimum			

Roller #3 Type:

Pass No.	Density	Temperature	Comments
1			
2			
3			
4			
5			
6			
7			
8			
Optimum			

Summary: _____

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
INDUSTRIAL BY-PRODUCTS AND BENEFICIAL RE-USE

HYD:HLZ

1 of 1

APPR:JJG:JFS:04-02-20
FHWA:APPR:04-03-20

a. Description. For this project, regardless of the application, the use of industrial by-products covered in 2014 PA 178 is prohibited unless the use and application of a particular material is covered elsewhere in the contract.

MICHIGAN
DEPARTMENT OF TRANSPORTATION
SUPPLEMENTAL SPECIFICATION
FOR
ERRATA TO THE 2020 STANDARD SPECIFICATIONS

1 of 8

10-31-22

Page	Subsection	Errata
1-06	101.02	Delete the second abbreviation of the list on this page reading: “IES Illuminating Engineering Society
1-06	101.02	Add the abbreviation to the list on this page reading: “IESNA Illuminating Engineering Society of North America
1-83	108.05.A.2	In the first paragraph of this subsection change the language “MDOT Form 1130” to read “MDOT Form 1130A”.
1-88	108.08.D	Move the last paragraph of this subsection to the left one indent to align with the first paragraph of the subsection and not with the subsection 108.08.D.3.
2-29	205.03.P.1	Delete the first sentence of this subsection and replace with the following: “Do not dispose of material, temporarily or permanently, beyond the normal plan fill slope across wetlands or floodplains.”
2-30	205.03.P.2	Delete the first sentence of this subsection and replace with the following: “Do not dispose of material, temporarily or permanently, in wetlands or floodplains.”
2-30	205.03.P.3	Delete the second paragraph of this subsection and replace with the following: “Contact the appropriate regulatory agencies to determine whether an area is a regulated wetland or floodplain before disposing of surplus or unsuitable material in areas outside the right-of-way and not shown on the plans as disposal sites.”
2-30	205.03.P.3	Delete the first sentence of the third paragraph of this subsection and replace with the following: “Immediately move to an upland site any surplus or unsuitable material that was disposed of in portions of wetlands or floodplains not shown on the plans as disposal sites, at no additional cost to the Department.”
2-30	205.03.P.4	Delete the first sentence of this subsection and replace with the following:

“The Department will notify the applicable regulatory agencies if the Department becomes aware that the Contractor disposed of surplus or unsuitable material in portions of a wetland or floodplain not shown on the plans.”

- | | | |
|------|------------|---|
| 3-31 | 308.04.D | Change the subsection title from “D. General. ” to read “A. General. ” |
| 4-7 | 401.03.E | Delete the third sentence of the second paragraph of this subsection and replace with the following:
“Use precast or cast-in-place footings for precast end sections as required.” |
| 4-11 | 401.04 | Change the eighth pay item from the bottom of the list on this page to read as follows:
Culv End Sect __ inch, Grate.....Each |
| 4-12 | 401.04.C.4 | Change this subsection to read:
“The Engineer will measure Culv End Sect __ inch, Grate by each as shown on the plans for the size of grate required.” |
| 4-39 | 406.02 | Change the third line in the list of materials to read:
Coarse Aggregate 6A, 6AA, 17A.....902 |
| 4-41 | 406.03.A.3 | Delete the third paragraph of this subsection and replace with the following:
“Design joints between adjacent box culvert sections in accordance with Section 9 of ASTM C1577 and to accommodate the joint sealing material in accordance with section 914 as applicable.” |
| 4-50 | 406.03.G.3 | Change the first sentence of the first paragraph to read:
“Unless otherwise shown on the plans, construct culvert bedding for box culverts by placing a 9-inch-thick layer of 46G aggregate, covered with a 3-inch-thick layer of 34G, 34R aggregate, or approved equal.” |
| 4-52 | 406.04.B | In the second paragraph of this subsection delete the first sentence and replace with the following:
“The Department will pay separately for cast-in-place concrete, other than for culvert segments, headwalls, wingwalls, aprons, and curtain walls.” |
| 5-26 | 502.02 | Delete the first sentence of the subsection and the listed materials in this subsection. |
| 5-26 | 502.02.A | Add the following to the end of the first sentence in this subsection:
“(914.04A)” |
| 5-26 | 502.02.B | Add the following to the end of the first sentence in this subsection:
“(502.02B)” |

- 6-20 602.04 Delete the fifteenth pay item of the list on this page reading:
"Shoulder, Reinf Conc..... Square Yard
- 6-20 602.04 Change the sixteenth thru the eighteenth pay items on this page to read as follows:
Shld, Nonreinf Conc..... Square Yard
Shld, Nonreinf Conc, High Performance Square Yard
Shld, Freeway Square Yard
- 6-21 602.04.B.1 Delete this subsection and replace with the following:
"Shld, Nonreinf Conc; and Shld, Nonreinf Conc, High Performance. The Engineer will measure, and the Department will pay for, **Shld, Nonreinf Conc; and Shld, Nonreinf Conc, High Performance** by area, based on plan quantities in accordance with subsection 109.01."
- 6-21 602.04.B.2 Delete this subsection and replace with the following:
"Shld, Freeway. The Engineer will measure, and the Department will pay for, **Shld, Freeway** based on plan quantities in accordance with subsection 109.01. If the Contractor uses concrete for the shoulder, the unit price for **Shld, Freeway** includes the cost of the transverse joints in the shoulder and the external longitudinal pavement joints."
- 6-23 602.04.F Add the following sentence to the end of the first paragraph of this subsection:
Temporary concrete pavement, pavement within 4 feet of an obstruction, pavement areas less than 300 square yards, or pavement less than 3 feet wide will not be cored.
- 6-23 602.04.F Delete the following language from this subsection on this page:
"The Engineer will not core the following:
1. Temporary concrete pavement;
 2. Pavement within 4 feet of an obstruction;
 3. Pavement areas less than 300 square yards; or
 4. Pavement less than 3 feet wide."
- 6-24 602.04 Rename the following subsections as follows:
"1. Initial Core.
- 6-24 602.04 2. Additional Cores.
- 6-24 602.04 3. Price Adjustment for Thickness.
- 6-25 602.04 4. Price Adjustments for Steel Locations within the Pavement.
- 6-26 602.04 5. Remove and Replace."
- 7-107 709.04 Change the Pay Unit on the second pay item from the top of the list on this page to read as follows:
Thousand Board Foot

- 8-12 804.03.B.2 Change the first sentence in this subsection to read:
“Cast in place light standard and sign support foundations using fixed forms in accordance with the *MDOT Standard Plan R-50 series.*”
- 8-44 810.03.J.9 Add a period to the end of the third sentence in this subsection.
- 8-53 810.03.V Add a period to the end of the second sentence of the first paragraph of this subsection.
- 8-53 810.04 Change the fourth pay item from the top of the list on this page to read as follows:
Post, Steel, __ pound.....Foot
- 8-53 810.04 Change the last four pay items at the bottom of this page to read as follows:
Fdn, Truss Sign Structure Type __, __ inch dia, Cased.....Foot
Fdn, Truss Sign Structure Type __, __ inch dia, Uncased.....Foot
Fdn, Cantilever Sign Structure Type __, __ inch dia, CasedFoot
Fdn, Cantilever Sign Structure Type __, __ inch dia, Uncased.Foot
- 8-55 810.04.B.1 Delete the second paragraph of this subsection and replace with the following:
“The unit prices for **Fdn, Truss Sign Structure Type __, __ inch dia, Cased** and **Fdn, Cantilever Sign Structure Type __, __ inch dia, Cased** include the cost of concrete, slurry, steel reinforcement, permanent casings, anchor bolts, excavation, and disposal of excavated material.”
- 8-55 810.04.B.2 Delete this subsection and replace with the following:
“**Foundation, Truss Sign Structure, Uncased and Foundation, Cantilever Sign Structure, Uncased.** The unit prices for **Fdn, Truss Sign Structure Type __, __ inch dia, Uncased** and **Fdn, Cantilever Sign Structure Type __, __ inch dia, Uncased** include the cost of concrete, slurry, steel reinforcement, temporary casings, anchor bolts, excavation, and disposal of excavated material.”
- 8-57 810.04.I Delete the first paragraph of this subsection and replace with the following:
“The unit price for **Sign, Rem** of the type required includes the cost of removing signs from supports and stacking by shape and size.”
- 8-57 810.04.I Delete the second paragraph of this subsection and replace with the following:
“The unit prices for **Ground Mtd Sign Supports, Rem; Cantilever, Rem** and **Truss, Rem** include the cost of removing ground mounted sign supports, cantilever or truss supports.”
- 8-57 810.04.L Change this subsection to read:

“The unit price for Sign, Erect, Salv of the type required includes erecting the salvaged sign on a new sign support or existing sign support, as shown on the plans, and attaching devices, and hardware, including brackets.”

- 8-58 810.04.N Delete this subsection in its entirety.
- 8-110 812.04 Change the fifth and sixth pay item from the top of the list on this page to read as follows:
Sign, Type B, Temp, Prismatic, Spec, Furn Square Foot
Sign, Type B, Temp, Prismatic, Spec, Oper Square Foot
- 8-141 815.04.C.1.d Delete this subsection in its entirety.
- 8-142 815.04.C.2.d Change this subsection to read:
"During the first watering of the second growing season, remove and dispose of the guying material, identification tags, and inspection tags."
- 8-144 816.03.A Change the third sentence in this subsection to read:
“Use topsoil from within the project limits; or from off-site sources meeting the requirements in subsection 917.06.”
- 8-167 818.04 Add the pay item to the bottom of the list on this page as follows:
Power Company (Estimated Cost to Contractor) Dollar
- 8-170 818.04.G Delete this subsection in its entirety.
- 8-170 818.04 Rename the following subsections as follows:
“G. **Handholes (Hh).**
H. **Service Disconnect.**
I. **Metered Service.**
J. **Unmetered Service.**
K. **Wood Pole.**
L. **Concrete Pole, Fit Up.**
M. **Steel Pole, Fit Up.**
N. **Bracket Arm.**”
- 8-171 818.04.J Delete the second paragraph of this subsection and replace with the following:
“The pay item, **Power Company (Estimated Cost to Contractor)**, establishes a budgeted amount in the contract to cover the cost of reimbursing the Contractor for payments made to the power company for providing electrical power at the locations shown on the plans. The Department will estimate the reimbursement costs to the Contractor and establish a budgeted amount as shown on the plans. The Department will pay the Contractor for power company invoices paid, as submitted to the Engineer.”
- 8-185 820.01.B Add a period to the end of the first sentence of this subsection.

8-199	820.04	Add the pay item to the list on this page: TS, (number) Way (type) Mtd (LED) Optic
8-200	820.04	Change the second pay item from the top of the list on this page to read as follows: TS Head, TempEach
8-200	820.04	Change the eleventh pay item from the top of the list on this page to read as follows: TS, Lens, Pedestrian Sym (LED)Each
8-200	820.04	Delete the following pay items from the list: Strain Pole, Steel, 6 bolt, __ foot.....Each Mast Arm Pole, Cat.....Each Mast Arm, __Foot, Cat.....Each
8-200	820.04	Change the eleventh pay item from the bottom of the list on this page to read as follows: Mast Arm, Rem.....Each
8-201	820.04	Delete the following pay item from the list: Power Co. (Est Cost to Contractor)..... Dollar
8-202	820.04	Add the following pay item to the list: Bracket, Truss, Salv.....Each
8-204	820.04.C	Delete the last paragraph of this subsection in its entirety.
8-204	820.04.D	Delete the first paragraph of this subsection in its entirety.
9-9	902.03.C.1.b	Delete the first sentence in this subsection and replace with the following: “The physical requirements for the coarse aggregate are as specified in Table 902-2 and as follows:”
9-16	Table 902-2	Delete the superscript footnote in the first through fourth rows under the header row that reads “(m)” in the column Loss, % max, LA Abrasion (MTM 102).
9-16	Table 902-2	Add the superscript footnote in the header row that reads “(m)” in the column Loss, % max, LA Abrasion (MTM 102).
9-15	Table 902-2	Delete the footnote (d) in one location in the table.
9-17	Table 902-2	Delete the footnote (d) in one location in the table.
9-21	Table 902-6	Delete the footnote (b) in two locations in the table.
9-21	Table 902-6	Change the footnote (c) to read (b) in two locations in the table.
9-21	Table 902-6	Change the footnote (d) to read (c) in two locations in the table.

9-70	909.05.D	Change the first sentence in this subsection to read: "Provide steel pipe for jacking in place meeting the requirements of ASTM A53/A53M for Type E or Type S, Grade B, or ASTM A139/A139M for Grade B."
9-94	Table 910-01	Change the value in the fifth row under the header row in the Permittivity (min) (per second) column from 0.5 to read: "0.05"
9-94	Table 910-01	Change the value in the seventh row under the header row in the Permittivity (min.) (per second) column from 0.5 to read: "0.05"
9-95	Table 910-2	Change the second row under the Ultimate strength section to read: "CMD ^(c) 1950 lb/ft"
9-119	913.06	Change this subsection to read: Circular precast concrete units with circular reinforcement for adjusting rings, tops, risers, and sump bases for manholes, catch basins, and inlets must meet the requirements of AASHTO M199 and the following additions and exceptions:
9-133	917.03	Rename the four subsections following the first paragraph on this page as follows: D. Deciduous Shade Trees. E. Small Trees, Ornamentals, and Shrubs. F. Evergreen Trees. G. Vines, Ground Cover, and Herbaceous Ornamental Plants.
9-170	920.02.C	Change the reference to Table 920-2 to read Table 920-3 in two locations.
10-23	1003.03.B	Delete the last sentence of this subsection and replace with the following: "Aggregate sampling for concrete will be performed by an MCAT-certified Aggregate Technician Level II."
10-43	Table 1006-02	Replace Table 1006-02 with the Table 1006-02 below.
1A - 20A	Pay Item Index	Replace the Pay Item Index in its entirety.

**Table 1006-2:
Overlay Mixtures**

Mixture Type	Aggregate	Slump (inch)	Air Content	Admixture Required	Mixture Proportions lb/yd ³ , dry weight					
					Cement ^(a)	Dry Densified Silica Fume ^(b)	Net Mix Water	Fine Agg	Coarse Agg	Latex Admixture
SFMC	2NS and 26A ^(c)	4–6	6.5 ±1.5%	(d),(e),(f)	618	40	273 ^(g)	1273	1601	—
LMC	2NS and 26A ^(c)	(h)	4.5 ±1.5%	—	658	—	(h)	1490 ^{(i),(j)}	1300 ^{(i),(j)}	206

(a) Use only Type I Portland cement.

(b) For SFMC mixtures, the Contractor may use a blended silica fume Portland cement. However, if the silica fume content of the blended material is greater than 8% of the total cementitious material, submit to the Engineer modified mix proportions with Type I Portland cement added to the blended material to achieve the equivalent individual cementitious material mixture proportions.

(c) Provide coarse aggregate, 95% minimum crushed materials in accordance with Michigan Test Method (MTM) 117, with an absorption no greater than 2.5%, in accordance with ASTM C127.

(d) Water-reducing high-range admixture or water-reducing high-range and retarding admixture.

(e) Virgin polypropylene collated fibers at 2 lb/yd³.

(f) Air-entraining admixture.

(g) Provide a net water to cementitious material ratio of 0.41 (cementitious material includes cement and silica fume).

(h) Add water in addition to water in the latex admixture to control slump to within 3 to 5 inches. Measure slump from 4 to 5 minutes after discharge from the mixer. During the waiting period, deposit concrete on the deck and do not disturb. If placing mixtures on sections within superelevated curves, the Contractor may need to use the lower allowable range of the slump requirement, as determined by the Engineer. Do not exceed water-cement ratio, by weight, of 0.30 including water contained in the latex emulsion.

(i) Aggregate proportions are approximate; due to gradation changes, the Contractor may increase proportions by no greater than 5% by weight of total aggregate if reducing coarse aggregate by an equivalent volume.

(j) Aggregate weights specified in the table are based on a dry bulk specific gravity of 2.65 for gravel and stone. Adjust the weights if the specific gravity of the materials used varies by more than 0.02 from the specified values.

Log of Project

Log of Project

Project Location (South St from 12th to Dock Entrance Drive)

This project is located on South Street in Sault Sainte Marie. The point of beginning (POB) is station 0+00, which is approximately 22' west of the intersection of 12th St at the fire hydrant, thence in a northeasterly direction 0.189 miles to the point of ending (POE) at station 10+00, which is at the cul-de-sac just before the snowmobile trail.

Intersecting Roads

The mile points for the significant locations are approximate and taken by a distance measuring instrument. The mile points for the POB and POE are also approximate and their exact locations will be marked in the field by the Engineer.

<u>Station</u>	<u>Mile Point</u>	<u>Description</u>
00+00	0.0	POB (Near W 12th Ave)
10+00	0.189	POE (End of South St)

Overall Description of Work

Construction work will consist of 0.19 miles of mainline reconstruction of South Street from West 12th Street to the cul-de-sac to the east. This work will consist of culvert replacement, ditch cleanout and slope restoration, machine grading, application of 2 inch aggregate to existing road prior to HMA mainline paving, HMA mainline paving, driveway approach paving, and salvaging or replacement of permanent signs

Mainline Work

Cold Mill existing 12th Street West approach to southerly spring line. Remove and replace existing culverts as per driveway and road culvert schedule. 2 inches of aggregate base is to be placed on existing aggregate surface course prior to Hot Mix Asphalt paving a total width of 22 feet over main line of road from STA 0+00 TO STA 8+00. 2 inches of aggregate base is to be placed on existing aggregate surface course prior to Hot Mix Asphalt paving a total width of 20 feet over main line of road from STA 8+00 TO POE. Extend the width of the road and apply 10 inches of aggregate base to meet typical cross section requirements where necessary. Re-grade ditch slopes to provide proper drainage to the south side of the road from STA 0+00 to STA 6 + 25. Apply 3 inches of HMA, 4 EML leveling course a total width of 22 feet over travel lanes from STA 0+00 to STA 8+00, and 18 feet over travel lanes from STA 8+00 TO STA 9+00 in 2 lifts. Apply up to 3 inches of Aggregate Base, 3 Inch from STA 9 +00 to POE.

Estimated Quantities

Mobilization, Max	1	LSUM
Sign, Type IIIA	9	Sft
Sign, Type IIIB	25	Sft
Post, Steel, 3 Lb.	108	Ft
Sign, Type III, Erect, Salv	11	Ea
Aggregate Base, 3 Inch	625	Syd

HMA Surface, Rem	220	Syd
HMA, 4EML @ 330 lbs/syd	375	Ton
HMA Approach 4EML @ 330 lbs/syd	90	Ton
Machine Grading	10	Sta
Ditch Cleanout	6	Sta
Slope Restoration, Non-Freeway, Type A	1685	Syd
Culv, Rem, Less than 24 Inch	3	Ea
Culv, Rem, 24 to 48 inch	1	Ea
Culv, CI E, Conc, 24 inch	120	Ft
Culv, CI E, Conc, 18 inch	40	Ft
Culv, End Section, 18 Inch	4	EA
Culv, End Section, 24 Inch	4	EA
Aggregate Base, 2 inch	2600	Syd
Aggregate Base, 8 inch	125	Syd
Aggregate Base, 10 inch	250	Syd
Shld, CI 2, 3 Inch	450	Syd
Erosion Control, Silt Fence	750	Ft
Riprap, Plain	50	Syd
Post, Mailbox	2	Ea
Contractor Staking	1	LSUM
Pavt Mrkg, Ovly Cold Plastic, 24 Inch, Stop Bar	11	Ft
Minor Traf Devices	1	LSUM
Traf Regulator Control	1	LSUM

Road Culverts

Station	Offset	Upstream Invert Elevation*	Downstream Invert Elevation*	Culvert, Class E, Conc, 24 Inch (Feet)	Culvert, End Section, 24 Inch	Agg. Base, 8 Inch (Syd)
0 + 64	24 R	622.71	620.99	80	2	50
5 + 98	N/A	614.66	614.26	40	2	27

***Elevations are estimate, construction elevations to be field adjusted. Culvert slope shall be no less than 1.0%**

Driveway / Approach Quantities

Station	Width (Ft)	Approach, HMA, 4EML(TON)	Agg. Surface Course, 3 Inch (Syd)	Agg. Base, 2 Inch (Syd)	Agg. Base, 8 Inch (Syd)	Agg. Base, 10 Inch (Syd)	Culvert, Class E, Conc, 18 Inch (Feet)	Culv, End Section, 18 Inch
0 + 50 R	20	60		440		220		
5 + 50 R	10		24		12	15	20	2
6+ 25 R	10		24		12	15	20	2
7 + 50 L	22	30		220		110		
8 + 50 R	12		24					

Maintaining Traffic and Permanent Traffic Control Devices

Traffic shall be maintained according to the 2020 MDOT Standard Specifications for Construction, the Special Provision for Traffic Control, and the 2011 Michigan Manual on Uniform Traffic Control Devices.

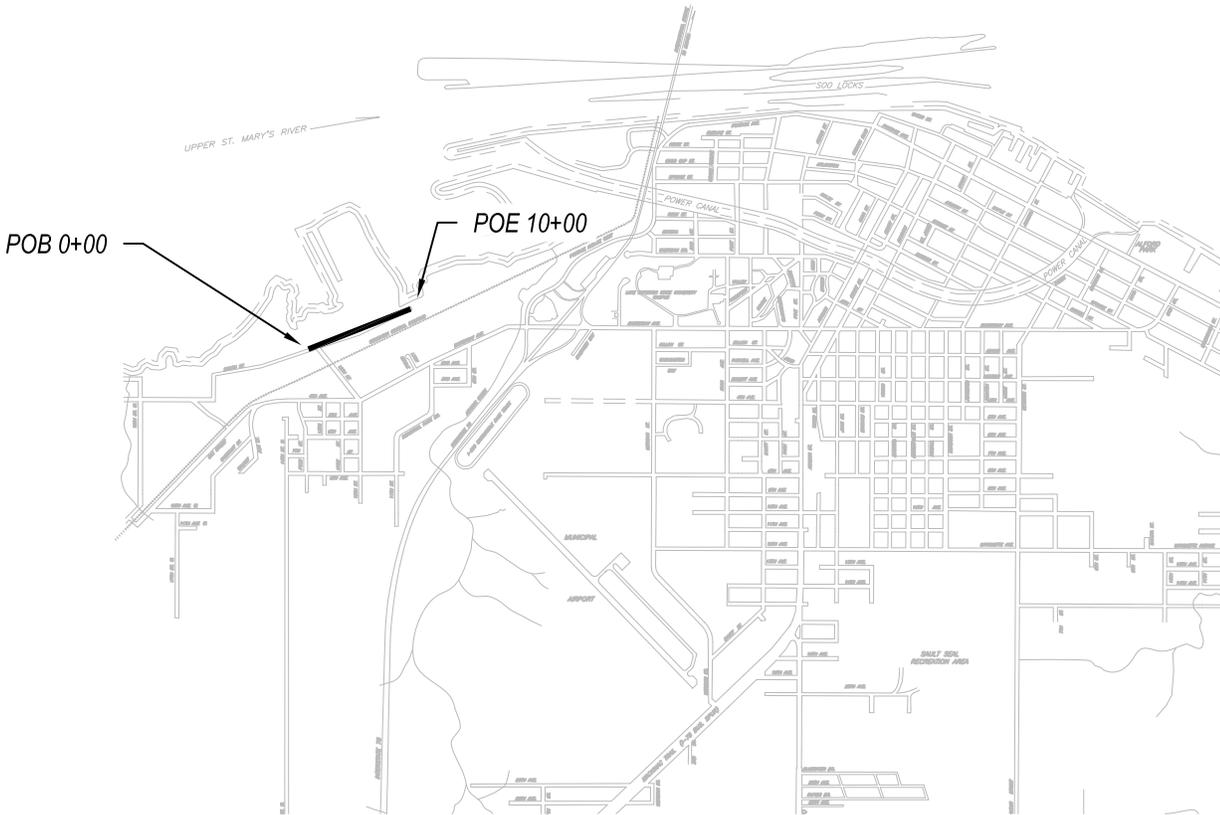
Station	Code	Description	Size	Type
0 + 39 L	W 1-6	SALV AND PLACE ON NEW POST ARROW SIGN		
0 + 39 L	W 1-6	SALV AND PLACE ON NEW POST ARROW SIGN		
0 + 39 L		SALV AND PLACE ON NEW POST ORV DIRECTIONAL ARROW		
0 + 39 L		SALV AND PLACE ON NEW POST ORV DIRECTIONAL ARROW		

0 + 77 L		SALV AND PLACE ON NEW POSTS NO DUMPING		
0 + 77 L		SALV AND PLACE ON NEW POSTS KOKOSING ALBERICI SIGN		
1 + 26 L	R 1-1	REPLACE ON NEW POSTS STOP SIGN	36" x 36"	IIIA
5 + 10 L	W 3-1	REPLACE ON NEW POST STOP AHEAD SIGN	30" x 30"	IIIB
5 + 10 L	W 1-1	REPLACE ON NEW POST TURN WARNING SIGN	30" x 30"	IIIB
7 + 85 L		SALV AND PLACE ON NEW POSTS KOKOSING ALBERICI SIGN		
7 + 85 L		SALV AND PLACE ON NEW POSTS AREA MONITORED BY SURVEILLANCE SIGN		
1 + 25 R	W 14-1	REPLACE ON NEW POST DEAD END SIGN	30" x 30"	IIIB
1 + 35 R		SALV AND PLACE ON NEW POST "8" TRAIL DESIGNATION SIGN		
1 + 35 R		SALV AND PLACE ON NEW POST "C" Trail DESIGNATION SIGN		
1 + 35 R		SALV AND PLACE ON NEW POST MDNR ORV TRAIL DESIGNATION SIGN		
6 + 53 R	R 8-3 A	REPLACE ON NEW POST NO PARKING SIGN	30" x 30"	IIIB

Estimated Traffic Control Quantities

Minor Traf Devices	1	LSUM
Traf Regulator Control	1	

CITY OF SAULT STE. MARIE, MICHIGAN
 PLANS FOR IMPROVEMENTS
 SOUTH STREET RECONSTRUCTION:
 12TH STREET WEST TO DOCK ENTRANCE DRIVE
 B-01-23



THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION. PHYSICAL ROAD NUMBER (PR#) & MILEPOST (MP) DATA ARE FROM MICHIGAN GEOGRAPHIC FRAMEWORK VERSION #17.

CITY OF SAULT STE. MARIE
 PREPARED UNDER SUPERVISION OF

CONTRACT FOR:
 0.189 MILES OF GRADING, DITCH CLEANOUT AND RESTORATION, REPLACEMENT OF CULVERTS, HMA PAVING, PERMANENT SIGNS

DAVID S. BOYLE, PE
 CITY ENGINEER



**CITY OF SAULT STE. MARIE, MI
 ENGINEERING DEPARTMENT**

225 EAST PORTAGE AVENUE
 SAULT STE. MARIE, MI 49783
 (906) 635-5261 FAX: (906) 635-5606

REVISIONS

NO.	BY	DATE

DRAWN BY: L. MILLER JR

APPROVED: D. BOYLE

SCALE: H: NA V: NA

FILE: COVER.DWG

DATE: 1/11/2023

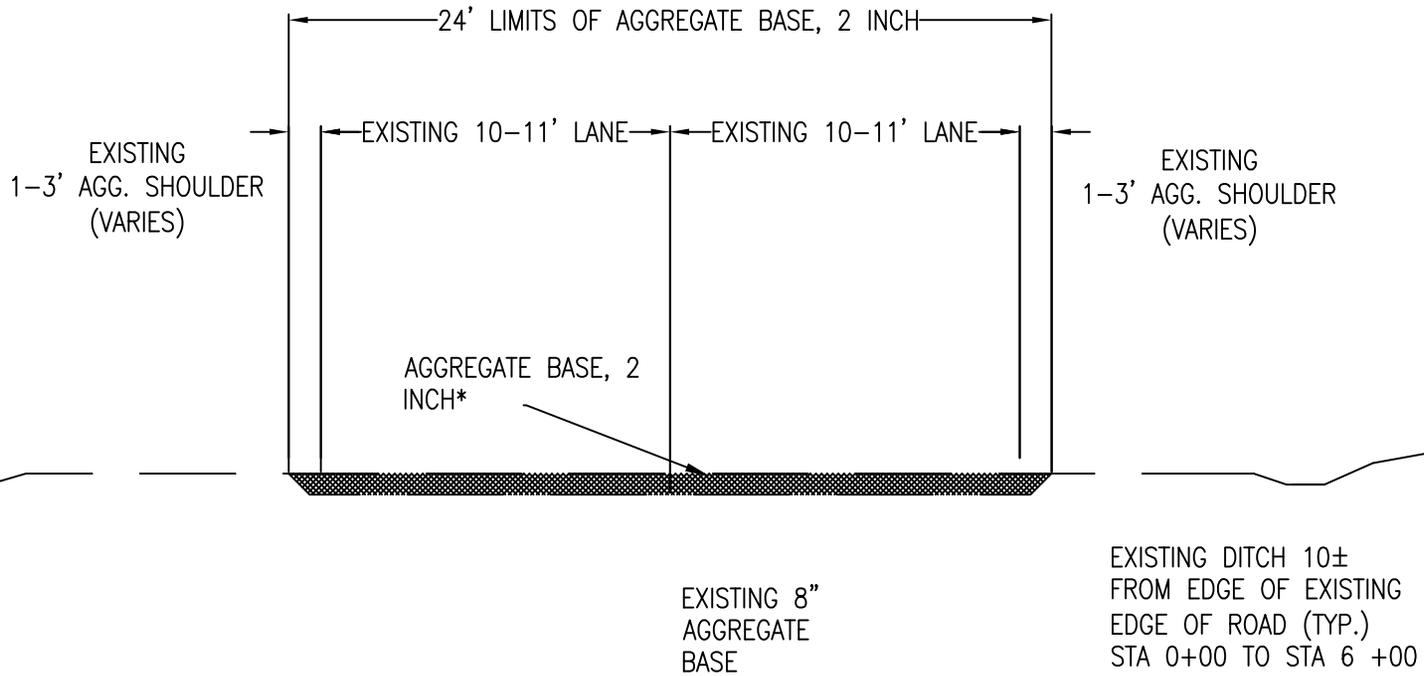
DRAWER

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SHEET

SUBJECT:

**SOUTH STREET RECONSTRUCTION
 TITLE SHEET**



* NOTE: APPLY ADDITIONAL AGGREGATE BASE TO ACHIEVE 24' WIDTH OF 10 INCH DEPTH AGGREGATE BASE. ADDITIONAL AGGREGATE TO BE PAID AS AGGREGATE BASE, 10 INCH



CITY OF SAULT STE. MARIE, MI ENGINEERING DEPARTMENT
 225 E PORTAGE AVENUE
 SAULT STE. MARIE, MI 49783
 (906) 632-5730 FAX: (906) 635-5606

SUBJECT:

**SOUTH STREET RECONSTRUCTION: B-01-23:
 EXISTING X-SECTION
 STA 0 +00 TO STA 8 +00**

REVISIONS

NO.	BY	DATE

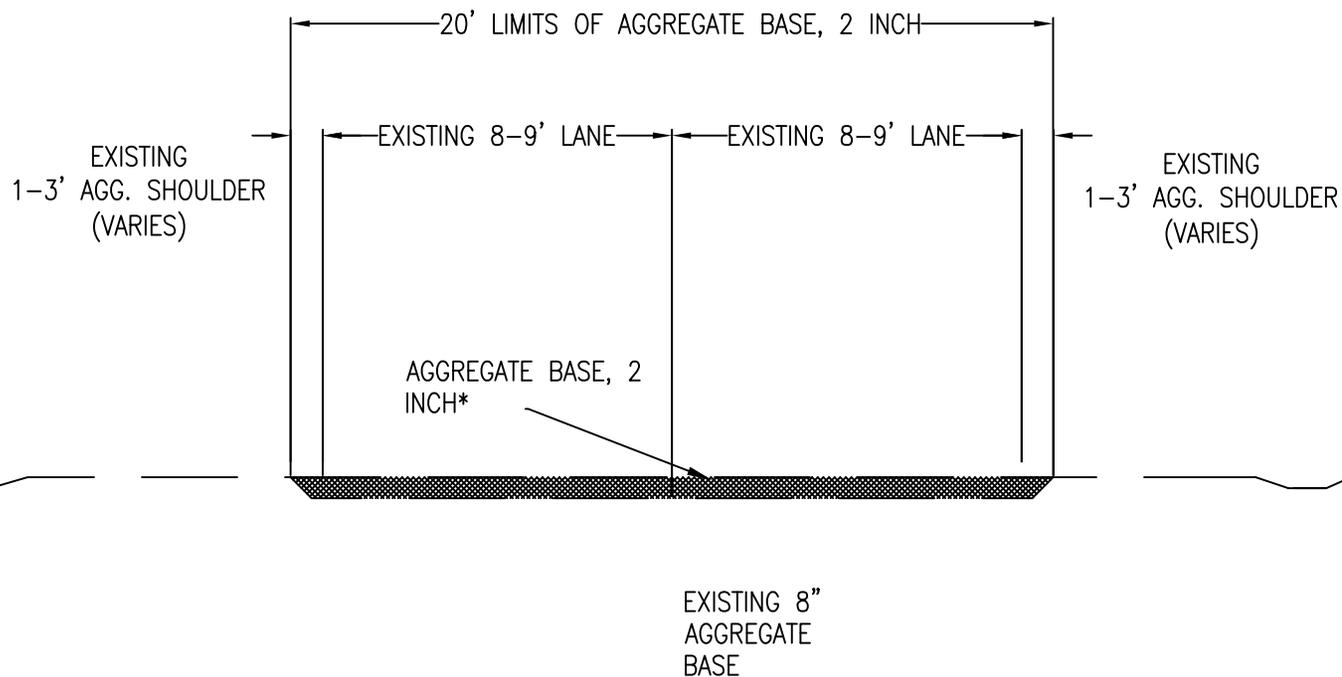
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APPROVED:
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 DATE: 1/13/2023

**DETAIL SHEET
 EXISTING
 X SECTION
 pg. 75**

SHEET

2



* NOTE: APPLY ADDITIONAL AGGREGATE BASE TO ACHIEVE 20' WIDTH OF 10 INCH DEPTH AGGREGATE BASE. ADDITIONAL AGGREGATE TO BE PAID AS AGGREGATE BASE, 10 INCH



CITY OF SAULT STE. MARIE, MI ENGINEERING DEPARTMENT
 225 E PORTAGE AVENUE
 SAULT STE. MARIE, MI 49783
 (906) 632-5730 FAX: (906) 635-5606

SUBJECT:

**SOUTH STREET RECONSTRUCTION: B-01-23:
 EXISTING X-SECTION
 STA 9 +00 TO POE**

REVISIONS

NO.	BY	DATE

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APPROVED:

SCALE: 1" = 100'

FILE:..LOCATION MAP.DWG

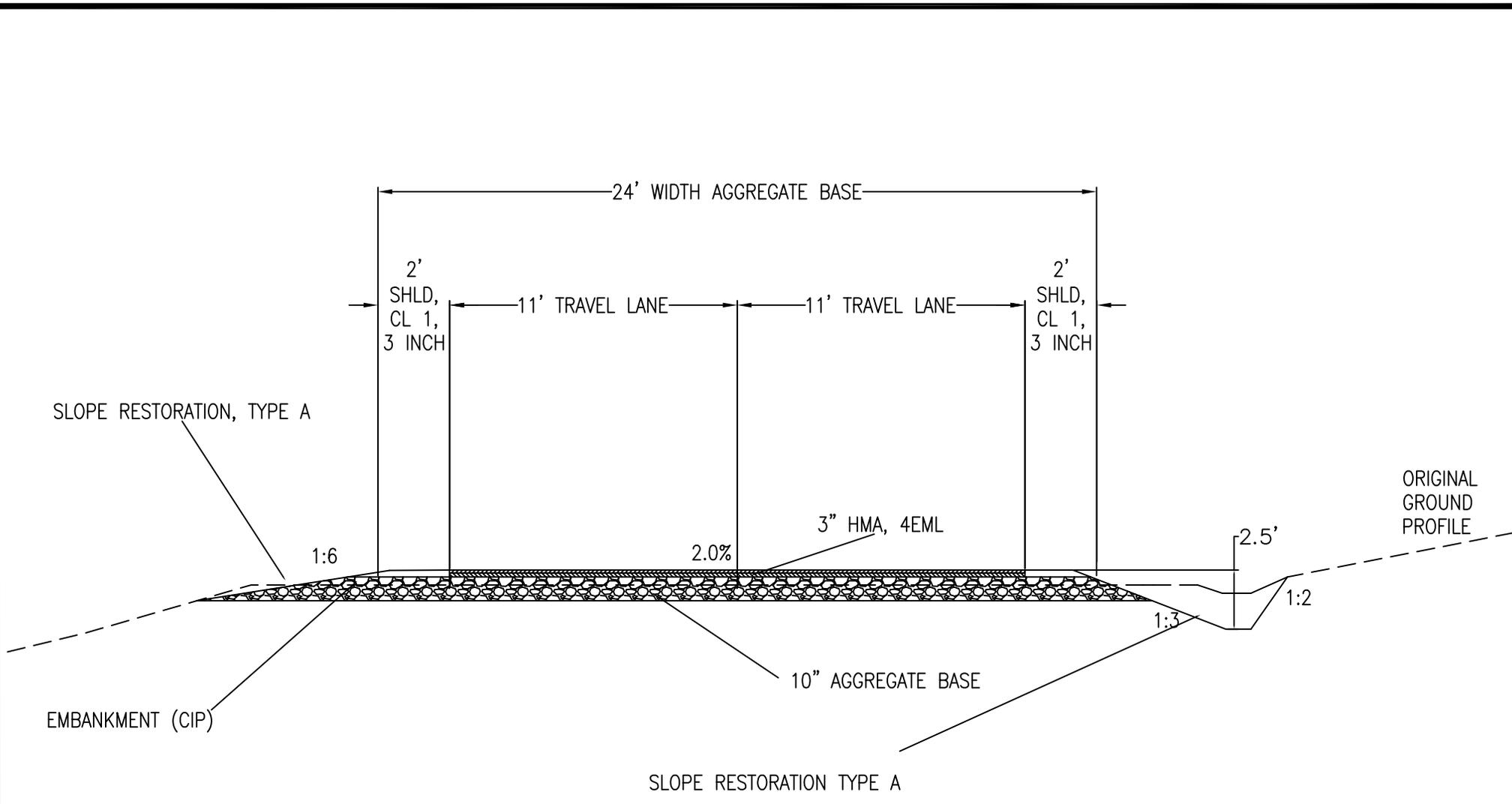
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**DETAIL SHEET
 EXISTING
 X SECTION**

pg. 76

SHEET

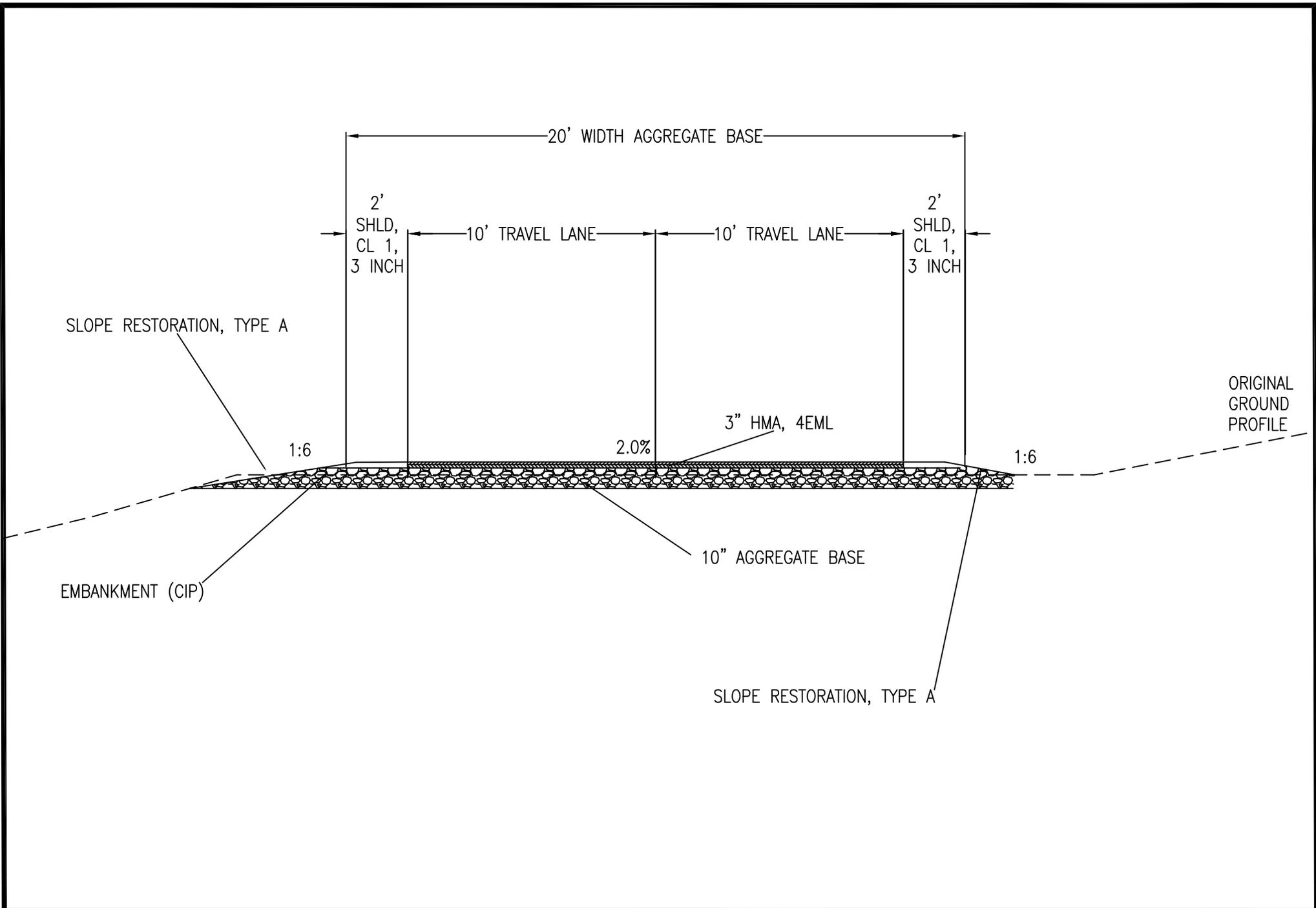
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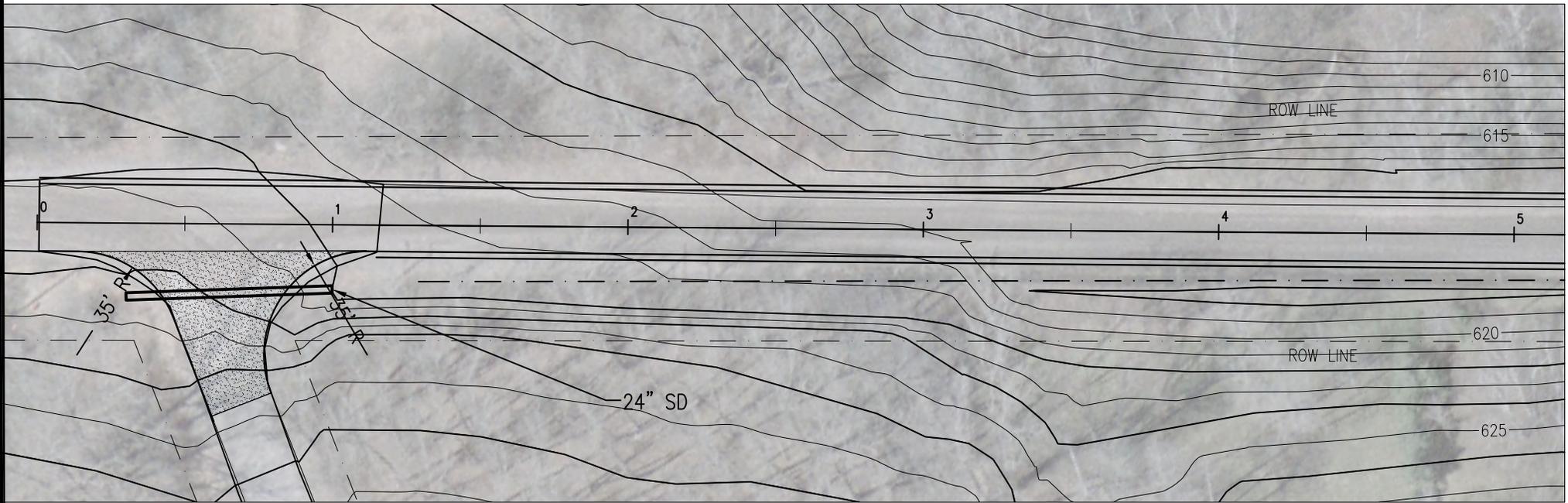
HMA APPLICATION TABLE:

ITEM	RATE: lbs/syd	PERFORMANCE GRADE	REMARKS
HMA, 4EML	330	58-34	HMA, 4EML LEVELLING COURSE (2 COURSES)
HMA BOND COAT	0.05 - 0.15 gal /syd		FOR INFORMATION ONLY
HMA APPROACH, 4EML	330	58-34	APPROACH LEVELING COURSE (2 COURSES)

REVISIONS		
NO.	BY	DATE



REVISIONS		
NO.	BY	DATE



CITY OF SAULT STE. MARIE, MI ENGINEERING DEPARTMENT
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 (906) 632-5730 FAX: (906) 635-5606

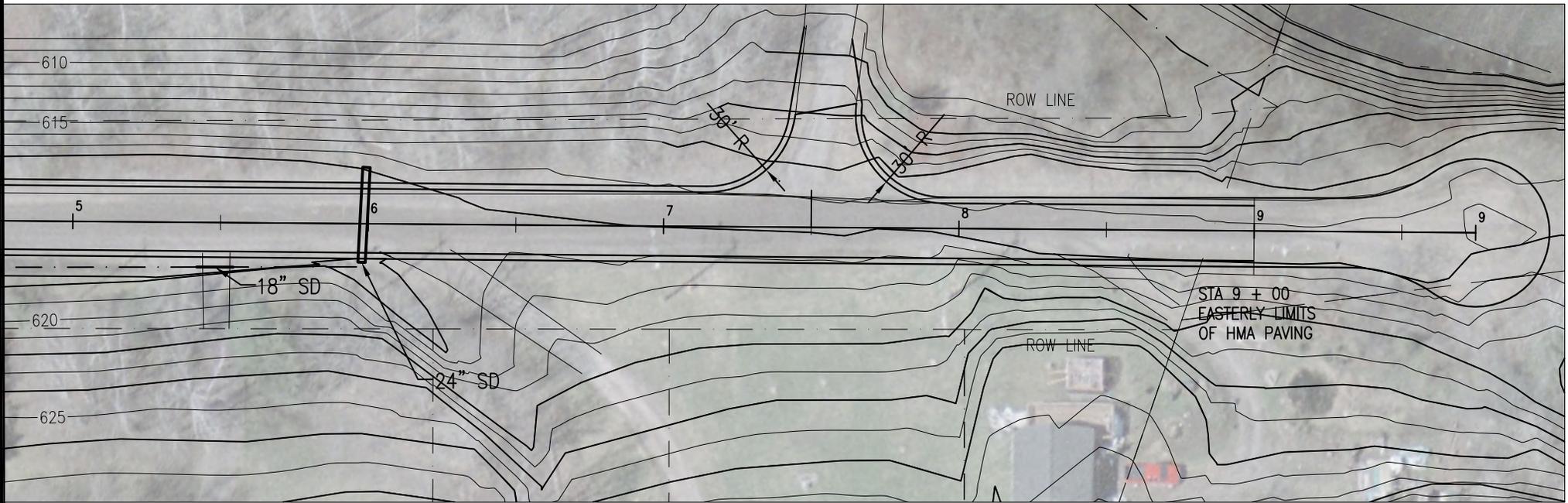
SUBJECT:
SOUTH STREET RECONSTRUCTION: B-01-23
STA 0 + 00 TO STA 5 + 00

REVISIONS		
NO.	BY	DATE

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APPROVED:
 SCALE: 1" = 100'
 FILE: ..LOCATION MAP.DWG
 DATE: 1/13/2023

DETAIL SHEET
PLAN VIEW
 pg. 79

SHEET
6




CITY OF SAULT STE. MARIE, MI
ENGINEERING DEPARTMENT
 225 E PORTAGE AVENUE
 SAULT STE. MARIE, MI 49783
 (906) 632-5730 FAX: (906) 635-5606

SUBJECT:
SOUTH STREET RECONSTRUCTION: B-01-23:
STA 5 + 00 TO STA 10 + 00

REVISIONS		
NO.	BY	DATE

DRAWN BY: L. SCHMUTZLER
APPROVED:
 SCALE: 1" = 100'
 FILE: ..LOCATION MAP.DWG
 DATE: 1/13/2023

DETAIL SHEET
PLAN VIEW
 pg. 80

SHEET
7