

PROPOSAL
FOR
2019
PAVEMENT TRAFFIC MARKINGS

ALPENA COUNTY ROAD COMMISSION
1400 NORTH BAGLEY STREET
ALPENA, MI 49707

CONTENTS

ADVERTISEMENT
PROPOSAL
NOTICE TO BIDDERS
SPECIAL PROVISIONS

BID OPENING: 10:00 A.M., Thursday, March 21, 2019

ALPENA COUNTY ROAD COMMISSION

1400 North Bagley Street, Alpena, MI 49707 (989) 354-3252 Fax (989) 356-4952

Established June 25, 1894

COMMISSION

Thomas J. Heise – Chairman
Thomas D. Spaulding – Vice Chairman
Gerald E. Lucas – Member

ADMINISTRATION

Larry R. Orcutt – Managing Director
Curt Gonyea – Superintendent
Julia G. Patterson – Finance Director

February 28, 2019

ADVERTISEMENT FOR BIDS

PAVEMENT TRAFFIC MARKINGS

Sealed proposals will be received by the Alpena County Road Commission, 1400 North Bagley Street, Alpena, Michigan 49707, until 10:00 a.m., Thursday, March 21, 2019, at which time and place they will be publicly opened and read for furnishing the following:

TRAFFIC MARKINGS

Quantities of principal items are as follows:

Pavt Mrkg, Waterborne, 4-inch, White.....	607,789 Feet
Pavt Mrkg, Waterborne, 4-inch, Yellow.....	487,226 Feet
Pavement Marking, Legends & Symbols.....	32 Each

Specifications and bidding documents may be obtained at the above offices or will be mailed upon request.

All Bids must be accompanied by a Certified Check or Bid Bond for a sum of not less than five percent (5%) of the total bid amount.

The Board reserves the right to reject any or all proposals; to waive irregularities in a proposal; or to accept any proposal which, in the opinion of the Board, is in the best interest of the County.

BOARD OF COUNTY ROAD COMMISSIONERS
ALPENA COUNTY, MICHIGAN

Thomas J. Heise, Chairman

**PROPOSAL FOR
CONSTRUCTION OF PAVEMENT TRAFFIC MARKINGS**

ALPENA, MICHIGAN

TO: BOARD OF COUNTY ROAD COMMISSIONERS (hereinafter called the Owner)
ALPENA COUNTY, MICHIGAN

The undersigned, having examined the proposal forms, plans and specifications, and having examined the site of the proposed work, does hereby propose to furnish all materials and equipment and perform all work shown in said plans and specifications at and for the following unit prices, to wit:

BASE BID					
ITEM NO.	ITEM	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT DOLLARS/CENTS
1.	Pavt Mrkg, Waterborne, 4-inch, White	607,789	Ft.		
2.	Pavt Mrkg, Waterborne, 4-inch, Yellow	487,226	Ft.		
3.	Pavt Mrkg, Waterborne, 24 inch, Stop Bar	240	Ft.		
4.	Pavt Mrkg, Waterborne, Crosswalk	79	Ft.		
5.	Pavt Mrkg, Waterborne, Only	6	Each		
6.	Pavt Mrkg, Waterborne, Lt Turn Arrow Sym	16	Each		
7.	Pavt Mrkg, Waterborne, Rt Turn Arrow Sym	5	Each		
8.	Pavt Mrkg, Waterborne, Lt & Thru Arrow Sym	2	Each		
9.	Pavt Mrkg, Waterborne, Rt & Thru Arrow Sym	3	Each		
TOTAL AMOUNT:					

Total amount of bid, written in words: _____

The undersigned hereby agrees that if the foregoing Proposal shall be accepted by the Owner, he will, within seven (7) consecutive calendar days after receiving notice of the acceptance of such Proposal, enter into a contract to furnish labor, equipment and tools necessary to completely execute the work at the unit prices named in the above Proposal; and he will furnish to the Owner and the State of Michigan such surety for the faithful performance of the Contract and for the payment of materials and labor used on the work as shall be approved and accepted by the Owner.

The undersigned further agrees that if the foregoing Proposal shall be accepted by the Owner, he will so arrange this project schedule to complete the work under this contract by _____ except any work referenced in the special provision for No Pass Zone survey and/or Pavement Marking, coordinating clause shall be completed as specified in that provision.

If the work embraced by this contract is not completed on or before the date set for completion or any extension thereof, the actual damages for the delay will be impossible to determine and in lieu thereof, the Contractor shall pay the Owner, as fixed, agreed and liquidated damages the sum of Seventy-Five Dollars (\$75.00) per day for each calendar day of delay until the work is satisfactorily completed. Whatever sums may be due the Owner as liquidated damages for delay may be deducted from payments due the Contractor or may be collected from the Contractor or the Contractor surety.

The undersigned attaches hereto a (Certified Check) (Bid Bond) in the sum of _____ Dollars (\$ _____) as required in the instructions to bidders and the undersigned agrees that in case he shall fail to fulfill his obligations under the foregoing Proposal, the Owner may determine that the undersigned has abandoned his rights and interest in such Proposal and that the Certified Check or Bid Bond accompanying his Proposal has been forfeited to the Owner, but otherwise the said Certified Check or Bid Bond shall be returned to the undersigned upon the execution of the Contract and the acceptance of his Bonds, or upon the rejection of his Proposal.

A certified copy of his MDOT pre-qualification rating is (not) attached hereto.

In submitting this Proposal, it is understood that the right is reserved by the Owner to reject any and all Proposals. The Owner may award this Contract based on any combination of the Base Bid and/or Alternates.

Dated and signed at _____, State of _____, this _____ day of _____, 2019.

Witnesses:

Bidder

Address

Signature

Title

Telephone No.

Fax. No.

E-Mail Address

Legal Status of Bidder:

- 1) A corporation duly organized and doing business under the laws of the State of _____ for whom _____, bearing official title of _____, whose signature is affixed to this Proposal, is duly authorized to execute contracts.
- 2) A partnership, all of the members of which, with addresses, are:

- 3) An individual whose signature is affixed to this Proposal.
(The bidder shall fill out the appropriate form and strike out the other two.)

INSTRUCTIONS TO BIDDERS

The proposal shall be legibly prepared with ink.

All Unit Price, Lump Sum or One Each entries made on the BID ITEM pages by the bidder in the "Bid Price" column shall be handwritten in ink. Proposals containing typewritten Bid Price, Lump Sum or One Each entries by the bidder will be considered irregular and will be rejected.

The unit prices as stated will govern in determining the correct total of the bid.

If a unit price, one each or a lump sum bid already entered by the Bidder on the proposal form is to be altered, it shall be crossed out with ink, the new unit price, one each or lump sum bid entered above or below it and initialed by the Bidder, also with ink.

The proposal shall be legally signed and the complete address of the Bidder given thereon.

The proposal shall be submitted in its entirety with no modifications or changes except as indicated, and with no pages removed.

NOTICE TO BIDDERS

INSURANCE

The Contractor shall take out and maintain, during the life of this contract, Workers Compensation Insurance; Bodily Injury and Property Damage Other Than Automobile Liability Insurance, including Contractual Liability Insurance; and Bodily Injury and Property Damage Automobile Liability Insurance.

1. Indemnification: The Contractor shall save harmless and indemnify the Road Commission and its employees against all claims for damages to public or private property and for injuries to persons, including death, arising out of or resulting from the work performed by the Contractor, his servants, or his agents, except for the sole negligence of the Road Commission or its employees.
2. Workers Compensation Insurance: The Contractor, prior to the execution of the contract, shall provide the Road Commission with certification that the Contractor carries Workers Compensation Insurance in an amount not less than the statutory limits.
3. Bodily Injury and Property Damage: The minimum limits of Bodily Injury and Property Damage Insurance required under this contract are as follows:
 - a. Bodily Injury and Property Damage Other Than Automobile (including Contractual Liability):

Each Occurrence--\$1,000,000
Aggregate-----\$2,000,000
 - b. Bodily Injury and Property Damage Automobile:

Bodily Injury:
Each Occurrence---\$500,000
Aggregate-----\$1,000,000

Property Damage:
Each Occurrence--\$1,000,000

Combined Single Limit for Bodily and Property Damage:
Each Occurrence--\$2,000,000

4. Proof of Insurance--Additional Named Insured: The Contractor, prior to execution of the contract, shall file with the Road Commission copies of completed certificates of insurance, as evidence that the Contractor carries Bodily Injury and Property Damage Insurance to the minimum limits set forth in Section 3 above, to afford protection against all claims for damages to public or private property, and injuries to persons, arising out of and during the progress of the work, and to its completion. Said certificates of insurance shall name the Alpena County Road Commission and Board of County Road Commissioners as an "ADDITIONAL NAME INSURED" for all injuries and property damage arising out of the operations of the Contractor. The Contractor shall not cancel or reduce the coverage of any insurance required by this Section without providing 30-day prior written notice to the Road Commission, and said certificate of insurance must include an endorsement whereby the insurer shall agree to notify the Road Commission immediately of any cancellation or reduction in insurance coverage by the Contractor. The Contractor shall cease operations on the occurrence of any such cancellation or reduction, and shall not resume operations until new insurance is in force.
5. Owners Protective Liability Insurance: In lieu of the certificate of insurance naming the Road Commission as "Additional Named Insured", as specified in Section 4 hereof, the Contractor may provide an Owners Protective Liability Insurance Policy, naming the Contractor and the Alpena County Road Commission and the Board of County Road Commissioners as name insured against all claims as set forth in Section 4 hereof. The minimum limits of coverage under the Owners Protective Liability Insurance Policy shall be in the same amounts as the Contractors Insurance Policy as set forth in Section hereof.

**SPECIAL PROVISION
FOR
PAVEMENT MARKING**

GENERAL

Unless otherwise noted, all work shall be performed in accordance with MDOT Standard Specifications for Construction, 2012 Edition, and all Errata, current applicable MDOT Supplemental Specifications and the Michigan Manual of Uniform Traffic Control Devices, 2011 Edition. The MDOT Specifications and Supplemental Specifications and MMUTCD, as revised, are hereby made and form a part of the contract documents.

PROGRESS SCHEDULE

Start work after receiving notice of award of contract. The entire project shall be completed on or before **July 26, 2019**, with the exception of reconstruction projects not ready by this date.

CONTROL OF WORK

Section 104.01A of the Standard Specifications is modified to include the following statement, "In each County, the project engineer will be the Managing Director or someone he designates under his responsibility."

The low bidder(s) for the work covered by this proposal will be required to meet with the Managing Director or designee to work out a detailed Progress Schedule.

SCOPE OF WORK

The intent of these provisions is to provide for the placing of pavement markings, as specified, all in accordance with 2011 Edition of the Michigan Manual of Uniform Traffic Control Devices, and subsequent revisions. The Contractor shall furnish all labor, materials, equipment, tools, transportation, necessary supplies and shall perform all operations to complete the work in accordance with the Michigan Department of Transportation's Standard Specifications and these special provisions.

PLANS AND WORKING DRAWINGS

Section 104.02 is hereby deleted and the location of the work will be shown by Exhibit "A", available in the Road Commission office, and will be supplied to the successful bidder upon award of the contract. The routes to be surveyed and/or marked will be shown and the proposed work is indicated in the Proposal.

**SPECIAL PROVISION
FOR
PAVEMENT MARKING**

Where the following items are called for in the plans, they are to be constructed according to the Standard Plans given below opposite each item unless otherwise indicated.

PAVE-900-C	PAVEMENT ARROW & MESSAGE DETAILS
PAVE-905-B	LONGITUDINAL LINE TYPES & PLACEMENT

COORDINATING CLAUSE

It is anticipated that the County may also be conducting its own operations during the life of this contract, and the Contractor's attention is called to the requirements of cooperation with others as covered in Article 104.08 of the 2012 Standard Specifications.

No claims for extra compensation or adjustments in contract unit prices will be made because of delay or failure of others to complete work units as scheduled.

FOR INFORMATIONAL PURPOSES ONLY

For the Bidder's information, and to be used for reference only, the designated routes to be painted have a **total road mileage of approximately one hundred and one (101) miles.**

COORDINATION

The county will reconstruct and/or place single bituminous reseal on **approximately nine and one half (9.5) miles of county roads** during the 2019 construction season. The painting of these routes shall not be accomplished until after the reconstruction and/or resealing is completed. Routes to be resealed will be available for painting not later than September 1, 2019, and routes to be reconstructed will be available for painting not later than September 1, 2019.

<u>ROUTE</u>		<u>TERMINI</u>	<u>LENGTH (MILES)</u>
Jacks Landing	M-32	Emils Landing	1.98
French Road	Hamilton	.4 N. Of Guyotte	1.61
Lacomb	French	Schrader	2.9
Lacomb	Schrader	Cathro	1.0
Bolton	Dagett	Melville	1.98

**SPECIAL PROVISION
FOR
ACCEPTING FINAL QUANTITIES**

During application the Engineer shall make sufficient checks, as deemed necessary, to verify the estimated application rates of the materials and the dimensions of the markings.

The Final Quantities shall be based on plan quantities. The plan quantities will be adjusted for any demonstrated plan errors and previously approved changes made during construction. Checks for verification of quantities placed shall be made by field measuring and/or use of vehicle Distance Measuring Instrument.

**SPECIAL PROVISION
FOR
MATERIAL CONTROL**

All paint containers and reflective glass bead packages are to be shipped directly, and/or delivered by contractor to a location designated by the Road Commission.

Upon arrival, all containers and packages are to be numbered consecutively by an official of the Road Commission and recorded.

Prior to the initial process of pavement marking, the contractor shall review and verify amounts of material on the applicator with an official of the Road Commission.

Contractor shall record and date each numbered paint container, and the information will be given to an official of the Road Commission daily. Empty containers will be placed in designated location to verify count by an official of the Road Commission.

Contractor shall count and record number of reflective bead packages used, information will be given to an official of the Road Commission daily. Empty packages will be bundled and secured in designated location to verify count by an official of the Road Commission.

Upon completion of project, and before departure, contractor shall review with an official of the Road Commission amounts of paint and reflective beads left on applicator.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
PERMANENT PAVEMENT MARKING MATERIALS

PMK:MKB

1 of 4

APPR:MWB:CRB:05-25-18
FHWA:APPR:06-12-18

Delete the content of section 920, on page 890 of the 2012 Standard Specifications for Construction in its entirety and replace it with the following:

920.01. Marking Materials. Select pavement marking materials from the Qualified Products List unless specified otherwise by special provision in the contract.

When selecting preformed thermoplastic products, ensure preformed thermoplastic materials have a thickness of 90 mils for surface applications and a thickness of 125 mils for recessed applications. For black liquid shadow markings and blue markings used in parking areas, choose a specified binder material and color from the Qualified Products List or select a white specified binder material from the Qualified Products List and tint the product to the appropriate color.

Use liquid applied pavement marking materials manufactured in the previous 12 months or within the shelf-life directed by the manufacturer, whichever is less. Use solid applied materials within the shelf-life directed by the manufacturer. Provide certification that liquid and solid applied pavement marking materials have been stored per the manufacturer's requirements. Materials not in compliance will be rejected and removed at the Contractor's expense.

Pavement marking materials must meet the general packaging and labeling requirements of subsection 920.01.A, and applicable specific material requirements of subsection 920.01.B.

A. General Packaging and Labeling. Material containers or packages must be marked on the tops and sides, using a durable, weather-resistant marking. Include the following information:

1. Manufacturer's name and address,
2. Description of the material,
3. Product identification number,
4. Lot or Batch number,
5. Date of manufacture,
6. Volume and
7. Weight.

B. Packaging and Labeling for Cold Plastic and Thermoplastic Markings.

1. **Cold Plastic.** Containers or packages of cold plastic material and the core of each roll must be marked with the information specified in subsection 920.01.A.
2. **Thermoplastic.** In addition to the requirements of subsection 920.01.A, thermoplastic material must be packaged in non-stick containers, and labeled with "heat to manufacturer-recommended temperature range," or a Department-approved equal.

920.02. Glass Beads and Wet Reflective Beads/Elements.

A. Glass Bead and Wet Reflective Bead/Element Packaging and Labeling. Glass beads and wet reflective beads/elements must be packaged in moisture resistant bags and labeled to include the following information:

1. Manufacturer's name and address,
2. Shipping point,
3. Trademark or name,
4. The wording "Glass Beads" or "Elements",
5. Specification number,
6. Weight,
7. Lot or Batch number, and
8. Date of manufacture.

Drop-on AASHTO M247 Type I beads, herein referred to as standard glass beads, must meet the general requirements of subsection 920.02.B and the applicable requirements for specific applications of subsection 920.02.D. Wet reflective beads/elements must meet the general requirements of subsection 920.02.C and the applicable requirements for specific applications of subsection 920.02.D. Large glass beads must meet federal specification TTB-1325 for a Type 4 glass bead.

All glass beads and wet reflective beads/elements to be used on Federal-aid projects must contain no more than 200 parts per million of arsenic or lead, as determined in accordance with Environmental Protection Agency testing methods 3052, 6010B, or 6010C.

B. General Requirements for Standard Glass Beads. Standard glass beads must meet the physical characteristics and gradation requirements specified in Table 920-1, unless otherwise specified in subsection 920.02.D for specific applications.

Table 920-1	
General Requirements for Standard Glass Bead	
Physical characteristics (MTM 711)	
General Appearance	Transparent, clean, smooth, free from milkiness, pits, or excessive air bubbles
Shape	Spherical with $\geq 75\%$ true spheres

Color	Colorless, very light gray, very light gray tinge, or bright white
Index of Refraction	≥1.50
Alkalinity	≤2.0
Gradation Requirements (MTM 711)	
Sieve Size (No.)	Total Percent Passing
20	100
30	75–95
50	15–35
100	0–5

C. General Requirements for Wet Reflective Beads/Elements. Wet reflective beads/elements must meet the retroreflectivity requirements specified in Table 920-2.

Table 920-2		
General Wet Reflective Bead/Element Requirements		
Average Initial Retroreflectivity at 30 meter geometry in mcd/lux/m²		
Test Method	Color	
	White	Yellow
Dry (ASTM E 1710)	700	500
Wet Recovery (ASTM E 2177)	250	200
Wet Continuous (ASTM E 2832)	100	75

D. Glass Bead and Wet Reflective Bead/Element Requirements for Specific Applications. For specific applications, glass beads and wet reflective beads/elements must be as follows:

1. For recessed longitudinal markings, use a double drop system of large and standard glass beads, a double drop system of wet reflective beads/elements and standard glass beads, or an Engineer-approved alternate.
2. **Waterborne and Low Temperature Waterborne.** Standard and large glass beads for use with waterborne marking material and low temperature waterborne marking material require a moisture resistant coating and a silane coating. The type, gradation, and application rates for wet reflective beads/elements used with waterborne and low temperature waterborne marking materials must meet the waterborne manufacturer's recommendations.
3. **Regular Dry.** Standard and large glass beads for use with regular dry marking material may have a moisture resistant coating, a silane coating, or both. The type, gradation, and application rates for wet reflective beads/elements used with regular dry marking materials must meet the regular dry manufacturer's recommendations.

4. **Thermoplastic.** Standard and large glass beads for thermoplastic marking material must have a moisture resistant coating. The type, gradation, and application rates for wet reflective beads/elements used with thermoplastic marking materials must meet the thermoplastic manufacturer's recommendations.
5. **Sprayable Thermoplastic.** The type, gradation, and application rates for standard and large glass beads and wet reflective beads/elements used with sprayable thermoplastic marking material must meet the sprayable thermoplastic manufacturer's recommendation.
6. **Polyurea.** The type, gradation, and application rates for standard and large glass beads and wet reflective beads/elements used with polyurea marking material must meet the polyurea manufacturer's recommendation.
7. **Modified Urethane.** The type, gradation, and application rates for standard and large glass beads and wet reflective beads/element used with modified urethane marking material must meet the modified urethane manufacturer's recommendation.