

**SHIAWASSEE COUNTY ROAD COMMISSION  
PROPOSAL FOR  
2022 PAVEMENT MARKING PROGRAM**

The undersigned has examined the Contract Documents (Advertisements, Proposal, General Conditions, Specifications and Special Provisions) and has reviewed the locations of the work described herein and is fully informed as to the nature of the work and conditions related 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 machinery, tools, apparatus, and other means of construction to do all the work, furnish all the materials and for the unit prices named in the itemized bid, to complete the work herein described in strict accordance with the plans therefore and in strict conformity with the requirements of the 2020 Edition of the MDOT Specifications for Construction and any attached supplemental specifications that may be a part of this proposal. The undersigned shall also be pre-qualified for the minimum amount of \$500,000 by the Department of Transportation.

The undersigned further proposes to do such extra work as may be authorized by the Shiawassee County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon before such extra work begins.

The undersigned encloses a certified check or bid bond in the amount of five (5%) percent of the bid, payable to the Shiawassee County Road Commission, which, it is agreed, will be forfeited as liquidated damages, in the event this Proposal is accepted, the undersigned shall fail to execute the Contract and furnish to the Shiawassee County Road Commission satisfactory performance and lien bonds and proof of insurance within ten (10) days after the notification of award of the Contract. It is further understood that the bid deposit of the lower bidder will not be returned until the Contract has been executed and that the bid deposits of all others will be returned promptly. The successful bidder will be required to furnish contract bonds as specified in Section 102 of the above referenced MDOT specifications.

These bonds are to be submitted on standard forms provided by the Surety Company. **The completion date for all projects will be September 15, 2022.**

The quantities listed in the proposal are estimates and approximate only. The quantities of work to be performed are subject to increase or decrease as determined by conditions encountered in the prosecution of the work. Completed work will be paid for on the basis of the actual work done and/or materials furnished, and not as a lump sum on the estimated quantities used for bidding purposes.

The Shiawassee County Road Commission reserves the right to reject any or all proposals or any part of the same, to waive irregularities and informalities, and to make the award in part or entirety as may appear to the best interest of the various townships and county of Shiawassee.

## NOTICE TO BIDDERS

Proposals shall be filled in with ink or typed on the forms provided and prices shall be stated in figures. In the event of a discrepancy between the unit price and the total amount for any item, the unit price shall govern. Any erasures or changes in the bids must be initialed by the bidder and noted or explained over his or her signature.

No bid, after being submitted may be withdrawn for a period of at least thirty (30) calendar days after the actual opening of the bids, unless otherwise specified in the proposal.

A copy of this proposal, together with the advertisement, general conditions, detailed specifications and special provisions, when properly signed by the Contractor and the Road Commission, will serve as the Contract for the work.

Prospective bidders shall be pre-qualified by the State of Michigan for bituminous paving work or have available upon request three references of previous work experience including the company name, address, phone number and contact person.

### INSURANCE REQUIREMENTS ARE:

The Contractor shall at all time exercise extreme care and shall assume all liability for any damage resulting from this operation and shall hold the Shiawassee County Road Commission harmless from any claims or damages. Contractors working in the road right-of-way must have a valid certificate of Auto Liability, Worker's Compensation and Commercial General Liability Insurance Naming the Shiawassee County Road Commission as "ADDITIONAL INSURED" and have certificates on file with the Shiawassee County Road Commission before work begins.

### MINIMUM REQUIREMENTS ARE:

| AUTO LIABILITY                     | LIMITS  |
|------------------------------------|---|
| Bodily Injury                      | \$500,000 per person/\$1,000,000 per occurrence |
| Property Damage                    | \$500,000 per person/\$1,000,000 per occurrence |
| Or                                 |   |
| Bodily Injury &<br>Property Damage | \$1,000,000 Combined Single Limit               |

Hire & Non-Owned Liability to be included

| COMPREHENSIVE COMMERCIAL | LIMITS                                    |
|--------------------------|---|
| General Liability        | \$500,000 Bodily Injury & Property Damage |

| WORKERS COMPENSATION | LIMITS                    |
|----------------------|---------------------------|
|                      | Statutory Coverage Limits |

Should the policy be canceled or expire, all activities authorized by the Road Commission shall cease.

## **INSPECTION AND TESTING**

The Contractor shall furnish to the Project Engineer test data on the materials used for this contract. The pavement marking materials shall meet the requirements as set forth in Section 920 of MDOT Specifications.

## **SUBCONTRACTING**

The approval of the Shiawassee County Road Commission shall be obtained before naming a subcontractor for any substantial amount of work. The contractor shall assure that any subcontractor named has sufficient equipment, insurance and personnel to properly complete any item of work within the specified time.

## **PRE-CONSTRUCTION MEETING**

A pre-construction meeting with a representative from each party is required prior to the start of any construction. Contact names and phone numbers will be established at this meeting for the purpose of scheduling authorized work.

## **HOURS OF OPERATION**

The normal permitted hours of daily operation shall be during daylight hours Monday through Saturday. No work will be allowed on Sundays or Holidays.

## **PROGRESS SCHEDULE AND WEATHER/SEASONAL LIMITATIONS**

The successful bidder will be required to submit a schedule of work at the pre-construction meeting, which will indicate starting and completion dates. All work is to be completed by September 15, 2022.

## **PAYMENT**

Payments shall be processed on the 2<sup>nd</sup> and 4<sup>th</sup> Tuesday of each month or at a regularly scheduled Shiawassee County Road Commission Board meeting. The Contractor shall submit to the Road Commission a request for any road that has been completed and approved for payment by the Project Manager. A road is considered completed when all items or work including project cleanups, are done in accordance with contract provisions and construction specifications.

## **SPECIAL PROVISIONS**

### **WATERBORNE PAVEMENT MARKING**

#### **DESCRIPTION**

This work covers the furnishing and application of reflectorized waterborne pavement markings in accordance with Section 811 of the Michigan Department of Transportation's 2020 Standard Specifications for Construction, the Michigan Manual of Uniform Traffic Control Devices and as herein specified.

## **GENERAL**

If markings are applied when the roadway is open to traffic, the following requirements will apply:

Traffic shall be maintained at all times and the striping equipment shall be operated in a manner that will make it unnecessary for traffic to cross the uncured markings.

The protection of the wet line shall be the responsibility of the contractor. Suitable devices such as traffic cones shall be placed at 100-foot intervals along regular dry or waterborne markings or as directed by the Project Manager. The contractor shall furnish a pavement marking convoy consisting of a minimum of three moving vehicles, spaced and equipped as indicated on the Pavement Marking Convoy illustration sheets, in order to provide adequate traffic control and protection for the uncured markings.

Uncured pavement markings damaged or obliterated by traffic or skipped during application shall be retraced/repared at the contractor's expense.

## **EQUIPMENT**

Equipment used for pavement marking shall meet the requirements of the Michigan Department of Transportation Standard Specifications for Construction, Section 811 of 2003 Edition. The pavement marking equipment shall be certified by the Michigan Department of Transportation. Contractor shall be required to provide proof of certification each year to the Shiawassee County Road Commission prior to starting any work. Equipment shall be self-propelled and specifically designed for the purpose of placing quality pavement markings. Use of small slip-in units will not be allowed.

## **SKIP LINE**

Skip lines of the color specified shall be applied as a 4-inch wide line on a cycle of 12-1/2 foot segment and 37-1/2 foot gap.

## **SURFACE PREPARATION**

Prior to the application of pavement markings, it shall be the contractor's responsibility that the pavement surfaces are clean, dry, and free of all foreign materials. The contractor shall be responsible for removal of heavy and/or hardened deposits of foreign material not easily removed by a power broom, such as, but not limited to, shoulder pullback gravel or gravel deposits on the roadway.

## **LOADING PAINT MACHINE**

The paint and beads shall be loaded on the paint machine in a manner that will not interfere with nor delay traffic.

## **LAYOUT FOR MARKING**

All layout work necessary for the location and placing of pavement markings shall be the responsibility of the contractor. The Shiawassee County Road Commission will furnish the contractor with copies of the logs of existing markings for use in layout work. For locations

where the road commission does not have a log, the contractor will do a no passing zone survey and provide the Shiawassee County Road Commission with a copy.

## **WEATHER AND SEASONAL LIMITATIONS**

Markings shall not be applied when the surface to be painted is damp. Waterborne paint shall be applied when the surface temperature is 50 degrees F or higher. Markings shall be applied during the period of April 1<sup>st</sup> to September 15<sup>th</sup>, unless otherwise approved in writing by the Project Manager. Markings applied after October 1 shall be Regular Dry pavement markings. The contractor shall be responsible for making the decision to apply paint on any specific date when there is a high probability of rain in the forecast. If applied lines are washed away, the contractor shall be responsible for reapplying the lines at no additional expense to the Shiawassee County Road Commission. No marking shall be applied on legal holidays, holiday weekends, or after dark, unless otherwise approved in writing by the Project Manager.

## **MATERIALS**

All materials furnished by the contractor shall be selected from the Qualified Products List and conform to the applicable sections of the Michigan Department of Transportation Standard Specifications for Construction, 2020 Edition. Paint and bead application rates shall be as shown in the Michigan Department of Transportation Specifications.

The contractor shall furnish written certification from material suppliers and/or manufacturers that materials furnished meet applicable MDOT specifications.

## **MATERIAL HANDLING**

It shall be the responsibility of the contractor for the loading and unloading of all materials delivered to and located at the Shiawassee County Road Commission. All barrels or surplus materials shall be removed upon completion of the project.

## **METHOD OF MEASUREMENT**

The contractor shall provide a daily work sheet at the end of each working day indicating roadways marked, lengths and materials used. Reported roadway lengths and linear feet of markings applied shall be broken at all cross road intersections. The marking application rate shall be in accordance with current MDOT Standards.

Any determination of pay deduction resulting from shortages in marking material quantities shall be based on the measurements obtained by this method. The glass bead application rate will be determined by dividing the total pounds of glass beads used by the total gallons of paint applied.

The Project Manager at the end of each day's work will compute the quantity of pavement marking material and glass beads applied per unit of measurement.

A day's applied mileage of less than 10 miles of edge lines, center lines, lane lines, or channelizing lines may be included in the next day's applied markings for the purpose of computing marking materials and beads application amounts.

## **PAY ITEMS**

**A. Center Line:** The centerline will include the double yellow and single yellow and skip yellow line centerline markings. Center Line shall be measured and paid for on a linear feet of painted line basis.

**B. Edge Line:** The edge line will include a single white or yellow line and shall be measured and paid for on a linear feet of painted line basis.

**C. Lane Line:** Lane lines shall consist of a skip white line or a solid white line and shall be measured and paid for on a linear feet of painted line basis.

**D. Railroad Markings:** Railroad markings including stop bar will be measured and paid for on the basis of each location per each side of crossing.

**E. School Zone:** School zone markings will be measured and paid for on the basis of each location per each side of the school zone.

## **BASIS OF PAYMENT**

These items will be paid for at the contract unit price for Waterborne Pavement Markings of the color, width and type specified.

Cleaning of the road surface where necessary shall be incidental to the project.

## **FINAL ACCEPTANCE**

Final acceptance of approved completed markings will be made within 90 days after completion of all original work.

Unacceptable markings shall be reapplied with markings conforming to these specifications and requirements to the extent determined by the Project Manager, at the contractor's expense.

## **SPECIAL PROVISIONS MAINTAINING TRAFFIC**

### **GENERAL PAVEMENT MARKING**

Traffic shall be maintained throughout the project in accordance with Sections 811.03 and of the 2020 Michigan Department of Transportation Standard Specifications for Construction. This includes any supplemental specifications and as herein specified.

The contractor shall coordinate this work with other contractors performing work within common or adjoining areas. The contractor shall avoid conflicts in maintaining traffic operations, signing and orderly progress of other contract work.

### **TRAFFIC CONTROL DEVICES**

All traffic control devices and their placement shall be in accordance with requirements in the 2005 Michigan Manual of Uniform Traffic Control Devices (MMUTCD) and as specified in the plans and/or proposal.

All traffic control items needed to maintain traffic during the painting operation shall be considered incidental to the items of pavement marking and will not be paid for separately.

**PAVEMENT MARKING BIDS**

**WATERBORNE PAVEMENT MARKINGS**

| <u>ITEM</u>       | <u>APPROX. QTY.</u> | <u>UNIT PRICE</u> | <u>AMOUNT</u> |
|-------------------|---------------------|-------------------|---------------|
| Yellow Centerline | 70 lane miles       | ____ Linear Feet  | \$ _____      |
| White Edge Line   | 4 lane miles        | ____ Linear Feet  | \$ _____      |

**SPECIAL PAVEMENT MARKINGS**

|  |         |                  |                 |
|--|---------|------------------|-----------------|
| Railroad Marking (Paint)                           | 12 Each | ____ Each        | \$ _____        |
| Railroad Marking (Thermal Plastic)                 | 12 Each | ____ Each        | \$ _____        |
| (only 12 total railroad markings are to be placed) |         |                  |                 |
| Thermal Rumble Strips (hot poured)                 |         | ____ Linear Feet | \$ _____        |
| Thermal Plastic 12" Stop Bar – various locations   |         | ____ Linear Feet | \$ _____        |
| School Zone  | 2 Each  | ____ Each        | \$ _____        |
| <b>Total</b>                                       |         |                  | <b>\$ _____</b> |

Renewal Option:

The Road Commission reserves the right to renew the contract for one-year terms. Both parties shall mutually agree upon each year. Price, terms, and conditions of the first year of the contract shall remain the same for any subsequent one-year renewal.

In submitting this bid, the undersigned Bidder understands that the Board reserves the right to reject any or all proposals, to waive irregularities and informalities, and to make award in part or entirety as may appear to the best interest of the townships and the County of Shiawassee.

Addenda:

In the event that Addenda have been received during bidding covering changes to the drawings and/or specifications, the bidder acknowledges the receipt of said Addenda:

Addenda No. \_\_\_\_ Dated: \_\_\_\_\_ Addenda No. \_\_\_\_ Dated: \_\_\_\_\_

Date \_\_\_\_\_ Company Name \_\_\_\_\_

Address \_\_\_\_\_

Signed By \_\_\_\_\_

Printed \_\_\_\_\_

Title \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_