

BERRIEN COUNTY ROAD DEPARTMENT

PROPOSAL AND SPECIFICATIONS

FOR

GLASS BEADS

BOARD OF BERRIEN COUNTY COMMISSIONERS
701 MAIN STREET
ST. JOSEPH, MICHIGAN 49085

BERRIEN COUNTY ROAD DEPARTMENT

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received at the Berrien County Administration Center of the County of Berrien, 701 Main Street, St. Joseph, Michigan 49085 until **4:00 P.M., Wednesday, March 20th, 2019** at which time and place they will be publicly opened and read aloud for the following:

- 1. PREFABRICATED SIGNS**
- 2. U-CHANNEL SIGN POSTS, STREET SIGN BRACKETS**
- 3. REFLECTORIZED SIGN FACES, REFLECTORIZED ROLL MATERIAL, HIGH INTENSITY DELINEATORS, NON-REFLECTORIZED ROLL MATERIAL**
- 4. ALUMINUM SIGN BLANKS**
- 5. WATERBORNE PAVEMENT MARKING PAINT**
- 6. GLASS BEADS FOR PAVEMENT MARKING**

All bids will be tabulated and presented to the Board of County Commissioners at their next regular meeting.

All bids shall be signed in ink and sealed in an envelope with the name of the item bid upon and the name of the bidder plainly marked on the outside. Specifications and proposal blanks may be obtained at the office of the Berrien County Road Department.

The Road Department reserves the right to accept or reject any or all bids, to waive defects in a proposal and to award the Bid in any manner deemed to be in the best interest of Berrien County.

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SPECIFICATIONS FOR GLASS BEADS FOR USE IN PAVEMENT MAKING

DESCRIPTION

These specifications cover moisture resistant, silane treated glass beads for reflectorizing white and yellow waterborne paint markings on pavements on fresh paint stripes.

The glass beads shall meet the current Michigan Department of Transportation Specifications for Glass Beads.

DETAIL REQUIREMENTS

GENERAL

The Glass Beads shall be transparent, clean, smooth and spherically shaped, free from milkiness, pits, or excessive air bubbles.

GRADATION – The beads shall meet the following gradation requirements:

SIEVE SIZES (No.)	20	30	50	100
TOTAL PERCENT PASSING	100	75-95	15-35	0-5

The Beads shall conform to the gradation requirements specified herein and will be tested in accordance with the Sieve Analysis of Glass Spheres, ASTM D1214, samples obtained by means of a riffle splitter.

INDEX OF REFRACTION – The Glass Beads shall have an index of refraction of not less than 1.50.

IMPERFECT PARTICLES – The Glass Beads shall have a minimum of 75 percent true spheres.

CHEMICAL STABILITY – After testing for chemical stability, the residual solution shall have an alkalinity number of not greater than 2.0.

COLOR – The Glass Beads shall be colorless, very light gray, very light gray tinge, or bright white.

COATINGS – The Glass Beads shall be moisture resistant and silane treated.

Gradation, index of refraction, imperfect particles, chemical stability, and color will be tested in accordance with the requirements of MTM 711.

PACKING AND MARKING

Glass Beads shall be furnished in pound lots as specified by the purchaser and packaged in **moisture proof bags**. The beads shall be packaged in bags such that dry and undamaged beads are received. Each package shall be plainly marked with the following information: name and address of manufacturer, shipping point, trademark or name, the wording “glass beads”, the specification number, number of pounds, the lot or batch number and the month and year of manufacture.

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SPECIFICATION FOR CONTROL OF MATERIALS

CONTROL OF MATERIALS

Section 105.05 of the 2012 M.D.O.T. Standard Specifications for Construction and the following provisions will apply.

The materials used shall meet the Department's current minimum specification requirements for glass beads and will be sampled and/or certified in accordance with the requirements in the Material Sampling Guide.

The Manufacturer shall furnish the Engineer with a certification that the material for the project has been sampled and tested and that it complies with the requirements herein. Certification does not waive inspection, sampling, or testing of the materials. The Manufacturer shall furnish samples of the materials, if required by the Engineer.

QUANTITY, DELIVERY POINT, SPECIFICATIONS AND PRICE SCHEDULE

1. QUANTITY

The quantities given are approximate and the right is reserved by the Board of County Commissioners to accept delivery on more or less than the quantity bid upon.

2. DELIVERY POINT AND DELIVERY DATE

The successful bidder shall deliver all of the beads to the Road Department on or before **June 1, 2019**. Prices quoted must be F.O.B. 2860 East Napier Avenue, Benton Harbor, Michigan 49022.

3. ALL DELIVERIES TO BE MADE ON FLAT BED TRAILER

The Berrien County Road Department does NOT have a loading dock thus deliveries must be unloaded by fork lift in parking lot and be able to access pallets from BOTH SIDES of trailer. Loads must be tarped and protected from weather.

4. SPECIFICATIONS

The Berrien County Road Department will receive bids on Glass Beads which shall meet the attached specifications of the Michigan Department of Transportation. It is understood and agreed that the Provisions for Performance Tests and Service Tests were met as required and listed in the attached "Special Provisions."

The Bidder shall furnish and attach to his proposal the Company's specifications for the beads offered.

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5. PRICE SCHEDULE

<u>QUANTITY</u>	<u>MATERIALS</u>	<u>TOTAL</u>
170,000 Lbs.	Glass Beads @ _____ Per lb.	_____

MANUFACTURER

NAME: _____

STREET ADDRESS: _____

CITY AND STATE: _____

NAME AND ADDRESS OF BIDDER

NAME: _____

STREET ADDRESS: _____

CITY AND STATE: _____

BID SUBMITTED BY: _____
(Authorized Signature)

REMARKS:

TERMS: _____

As stated in the Proposal, attach the Company's specifications for the beads offered.

APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. **Compliance with Regulations:** The contractor shall comply with the Regulations relative to non-discrimination in Federally-assisted programs of the Department of Transportation, Title 49, code of Federal Regulations, Part 21 as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulation, including employment practices when the contractor covers a program set forth in Appendix B of the Regulations.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities as may be determined by the **BERRIEN COUNTY ROAD DEPARTMENT** to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the State highway department, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Non-compliance:** In the event of the contractor’s non-compliance with the non-discrimination provisions of this contract, the **BERRIEN COUNTY ROAD DEPARTMENT** shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) Cancellation, termination or suspension of the contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the **BERRIEN COUNTY ROAD DEPARTMENT** may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the **BERRIEN COUNTY ROAD DEPARTMENT** to enter into such litigation to protect the interests of the County, and, in addition, the contractor may request the State highway department to enter into such litigation to protect the interests of the State and/or the United States to enter into such litigation to protect the interests of the United States.

