



**DETAILED SPECIFICATION SHEET FOR
STRIPE REMOVAL AND TRAFFIC MARKINGS INSTALLATION
THROUGHOUT ROADWAYS LOCATED WITHIN THE CITY LIMITS
TO THE CITY OF D'IBERVILLE
HARRISON COUNTY, MISSISSIPPI**

Pursuant to your advertisement, for Term Bids for **STRIPE REMOVAL AND TRAFFIC MARKINGS INSTALLATION THROUGHOUT ROADWAYS LOCATED WITHIN THE CITY LIMITS** for the term of **March 1, 2024 – December 31, 2024** we submit the following response.

_____ located at
(NAME OF VENDOR)

_____ do hereby submit this proposal for furnishing, as ordered by the City, as set out below, **STRIPE REMOVAL AND TRAFFIC MARKINGS INSTALLATION THROUGHOUT ROADWAYS LOCATED WITHIN THE CITY LIMITS** for a period beginning March 1, 2024, and ending December 31, 2024 and/or until a new termination date of existing contract is extended and approved by both the Vendor and City of D'Iberville.

STRIPE REMOVAL AND TRAFFIC MARKINGS INSTALLATION THROUGHOUT ROADWAYS LOCATED WITHIN THE CITY LIMITS

General:

1. All bidders must be licensed and bonded in the City of D'Iberville.
2. Successful contractor must provide proof of the following insurance. (To "save harmless" the City of D'Iberville).

Insurance:	each occurrence	aggregate
General liability	\$1,000,000.00	\$1,000,000.00
Bodily injury	\$300,000.00	\$300,000.00
Property damage	\$100,000.00	\$100,000.00

5. Approved bidder will be responsible for obtaining any necessary permits.
6. The City reserves the right to request a performance bond at the time of contract award.
7. The City reserves the right to request a list of references and current contracts from the vendor.
8. All bidders shall include type of proposed equipment to be used if awarded the bid.
9. Work on each purchase order shall commence within ten (10) working days after issuance, unless an extension is granted by the public works department.



10. The work to be completed consists of furnishing all materials, labor and equipment necessary to perform the required work in close conformity with these specifications and details or directions provided by the City or their designated representative to the Contractor.
11. The City or their designated representative will be responsible for identifying all locations and will mark the beginning and ending of each type of marking to be installed or removed. A detailed drawing may be provided to assist the Contractor in completing the required work.
12. The contractor shall be required to maintain traffic control on the portion of the city road system that is involved in the stripe removal and installation operations; including flagman, flashing direction signals, traffic cones and any other personnel or safety devices necessary to provide for the safety of the traveling public and the protection of the incomplete thermoplastic striping until such a time as that portion of the roadway may be released to the normal flow of traffic. All traffic control efforts shall conform to the Manual of Uniform Traffic Control Devices.

THERMOPLASTIC MARKING INSTALLATION & STRIPE REMOVAL (Procession of the work):

1. All pavement marking material, excluding edge lines over rumble stripes, shall be applied using the extrusion/ribbon method. Edge lines placed over rumble strips shall be applied using the atomization/spray method.
2. Equipment for hot application shall be of sufficient size and stability to insure smooth, uniform, properly aligned markings of the dimensions shown. The application equipment shall also be capable of intermittent and continuous line patterns in single- or double-line applications simultaneously. The intermittent timer mechanism shall provide a variable ratio of materials applied and variable cycle length such that accurate placement of new patterns, or replacement of existing patterns can be achieved. The equipment shall also be capable of applying the top dressing of glass beads in a manner which will firmly embed them into the surface of the thermoplastic material for at least one half the diameter of the larger gradation sizes of the beads. The dispensing equipment shall be equipped with an automatic cut-off control for the application of beads which is synchronized with the cut-off of the thermoplastic material. Additional beads by the drop-on method shall be applied at a rate of not less than three (3) pounds per 100 feet of six-inch stripe
3. Application of thermoplastic materials shall be made only in periods of dry weather and when the temperature of the pavement is at least 55°F. The pavement shall be surface dry, to the satisfaction of the City or their representative, before application will be permitted. The application temperature of the thermoplastic material shall be between 400° and 450°F.



4. Upon request, the City will establish control points for marking, by type and color, at necessary intervals not to exceed 600 feet. The contractor shall preserve and apply markings in conformity with control points established. All additional work necessary to establish intermediate control points shall be performed by the Contractor at no additional cost to the City. On curves, unsightly variations from the normal curvature will not be permitted unless specifically shown on the plans or approved by the City or their representative.
5. All areas to have thermoplastic material applied shall be thoroughly cleaned. Cleaning may be done by hand brooms, rotary brooms, air blast, or whatever combination of equipment is necessary to clean the pavement without damage to the surface. Before edge striping, the Contractor shall inspect area to ensure all vegetation, loose soils have been cleared from the area to be striped. If necessary, the City will scrap areas to remove remaining vegetation and hardened soils, then the contractor shall complete the cleaning of areas utilizing one of or a combination of equipment mentioned above. Placement of thermoplastic material shall follow as closely as practicable after the surface has been cleaned and dried, but no thermoplastic material shall be applied until the pavement has been inspected and permission given to proceed by the City or their representative. The cost for preparing the surface shall be included in the unit prices for the marking items.
6. When thermoplastic material is to be applied to portland cement concrete pavements and bridge surfaces, a binder-sealer of the type and amount recommended by the manufacturer of the thermoplastic material shall be applied prior to placement of the thermoplastic material. On other pavement surfaces, a binder-sealer shall be applied under those conditions recommended by the manufacturer of the thermoplastic material.
7. The thickness of the thermoplastic material, when measured above the surface plane of the pavement, shall be within tolerance of the specified thickness. Unless otherwise specified in the plans or contract documents, the thickness shall be 60 mils for edge lines, 90 mils for center line, lane lines, barrier lines and detail stripe including gore markings, and 120 mils for crosswalks, stop lines, and railroad, word and symbol markings. The measured thickness at the center of the line shall be no less than the specified thickness with the edge of the line not thinner than 75% of the specified center thickness and will be checked at intervals of one mile or less as directed by the City or their representative. The length and width of lines shall be within a tolerance of plus or minus three (3) inches and plus or minus 1/8 inch, respectively. For skip markings, the tolerance for intervals shall not exceed the line length tolerance.
8. Any thermoplastic traffic marking less than the required thickness shall be corrected by overlaying with an additional application of thermoplastic material. Any such required overlay will be no less than 30 mils. Although a tolerance of 25 percent



from the center to the edge is allowed, a consistent underrun of any amount in thickness will not be acceptable.

9. All thermoplastic material equipment and operations shall be under the control of an experienced technician thoroughly familiar with the equipment, materials, and marking layouts.
10. All newly applied thermoplastic material shall be protected from traffic until the material is sufficiently dry so as not to sustain damage from vehicles tires. Any material damaged, marred or picked up by traffic shall be repaired, and the thermoplastic material tracked onto the pavement shall be removed at no additional cost to the City.
11. Unless otherwise directed by the City or their representative, traffic stripes that are coincidental with the thermoplastic stripe shall be removed prior to placement of the thermoplastic material, except that temporary paint stripe may be left in place when satisfactorily placed in the proper location. Any temporary paint stripe not covered shall be removed.
12. Payment for removal of stripe, except temporary stripe will be made under **Section 202 of the Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition**. Contractor shall take great care in removing existing roadway markings in order to minimize the extent of scarring of the roadway surface. Traffic stripe removal will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surface of each stripe and will not include nominal skip intervals. Stripe more than six-inch in width will be converted to equivalent lengths of six-inch stripe. Legend will be measured for payment by the square foot.
13. The Contractor shall utilize thermoplastic material and Class A glass beads that meet the specifications outlined in the **Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition; Thermoplastic material Section 720.02, except an alkyl resin shall be used in the formulation when used in construction of stop lines, crosswalks, and legends and Glass Bead shall adhere to Section 720.01**. The Contractor shall provide the City with documentation verifying that the material used meets these specifications.
14. Thermoplastic stripe completed in accordance with the plans and specifications will be measured by the mile or by the linear foot, as indicated, from end-to-end of individual stripes. In the case of Skip lines, the measurement will include skips. The length used to measure centerline, lane lines and edge lines will be horizontal length computed along the stationed control line.
15. Detail traffic stripe shall be those short stripes, exclusive of lane and edge striping of the main facility, at exit and entrances ramps, turn bays, and other locations



indicated on the plans or established. When shown on plans, or directed by the City or their representative, detail strip of the color, width, and length shall be placed in accordance with the provision and requirements outlined in this specification. Detail traffic stripes will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surfaces of each stripe and will exclude skip intervals where skips are specified. Stripes more than six (6) inches in width will be converted to equivalent lengths of six-inch stripe.

16. Legend, which is to include railroad markings, pedestrian crosswalks and stop lines, will be measured by the linear foot. Letters and symbols as shown on the plans or are established by the City or their representative will be measured by the square foot. Transverse markings with stripes more than six (6) inches in width will be converted to equivalent lengths of six-inch widths. Legends which fail to have uniform; satisfactorily appearance by day or by night shall be corrected by the Contractor or removed and replaced at no additional cost to the City.
17. Payment of thermoplastic traffic markings will be paid for at the contract unit price per mile, linear foot, or square foot, as applicable, which shall be full compensation for completing the work.

CONTRACTOR'S SUBMITTED BID for Thermoplastic Markings Installation and Stripe Removal as per the identified specification noted within this document and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition:

STRIPE REMOVAL

Removal of 6" Stripe Line	\$ _____ per Linear Foot
Removal of Stripe Legend	\$ _____ per Square Foot

INSTALLATION OF THERMOPLASTIC MARKINGS

6" Traffic Stripe, (Skip White or Yellow)	\$ _____ per Mile
6" Traffic Stripe, (Continuous White under 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous White over 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous Yellow under 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous Yellow over 5,000 L.F.)	\$ _____ per Linear Foot
Detail Stripe (White or Yellow)	\$ _____ per Linear Foot
Thermoplastic Legend	\$ _____ per Square Foot

PAINTED TRAFFIC MARKINGS AND STRIPE REMOVAL

1. This work consists of furnishing materials and applying reflectorized painted traffic



markings and high build painted traffic markings in reasonably close conformity with these specifications and the details shown on the plans or established.

2. Paint shall be the color specified and shall meet the applicable requirements of Section 710, Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition. Application of permanent painted traffic markings shall require Class B (High-Visibility) glass beads. Otherwise, Class A (Standard) glass beads shall be required. Glass beads shall meet the requirements of Subsection 720.01, Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition. Blue - ADA marking material shall meet the requirements of Section 710, Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition with the exception that the color shall be Blue - ADA.
3. All paint shall be applied by approved mechanical equipment providing constant agitation of paint, traveling at controlled speeds, with one or more paint "guns" synchronized to begin and cut off paint flow automatically for skip lines, and subject to manual control for continuous lines of varying length. The machine, or a separate machine, shall be equipped with a glass bead dispenser adjusted and so synchronized with the paint applicator as to distribute the beads uniformly on the painted lines within 10 seconds. Calibration charts and devices for measurement of tanks shall be provided by the Contractor for determining the quantity being applied. All painting equipment and operations shall be under the control of an experienced technician thoroughly familiar with the equipment, materials, and marking layouts.
4. All areas to be painted shall be thoroughly cleaned. Cleaning may be done by hand brooms, rotary brooms, air blast, scrapers, or whatever combination of equipment is necessary to clean the pavement thoroughly without damage to the surface. Before edge striping, particular care shall be taken to remove all vegetation, loose soil, and the like from the area to be painted. Should other methods fail, the surface shall be wetted with a water jet and scrubbed as necessary to dislodge all foreign material. After washing, the surface shall be allowed to dry thoroughly, and all films of dried mud apparent after surface drying shall be removed before application of paint. Painting shall follow as closely as practicable after the surface has been cleaned and dried, but no paint shall be applied until the surface has been inspected and permission given to proceed. The cost for preparing the surface shall be included in the contract unit prices for the marking items. Upon request, the Engineer will establish control points for markings, by type and color, at necessary intervals not to exceed 600 feet. The Contractor shall preserve and apply markings in conformity with control points established.
5. The paint shall be applied when the ambient temperature is no less than 50°F, the pavement surface is properly prepared and the temperature of the pavement surface is no less than 50°F. For four-inch temporary traffic stripe, paint and Class A glass beads shall be uniformly applied at the rate of not less than one gallon of paint and six pounds of beads per 264 linear feet of four-inch stripe. For six-inch permanent traffic stripe, paint and Class B glass beads shall be uniformly applied at the rate of not less than one



gallon of paint and twelve pounds of beads per 176 linear feet of six-inch stripe. For six-inch permanent high build traffic stripe, paint and Class B glass beads shall be uniformly applied at the rate of not less than one gallon of paint and twelve pounds of beads per 140 linear feet of six-inch stripe. The length and width of lines shall be within a tolerance of plus or minus three inches and plus or minus 1/8 inch, respectively. For skip markings, the tolerance for intervals shall not exceed the line length tolerance. Markings applied at less than minimum material rates, deviating from true alignment by more than one inch in 50 feet, exceeding stipulated length and width tolerances, and showing light spots, faulty distribution of beads, smears, or other deficiencies or irregularities shall be removed and replaced. Removal methods shall be in accordance with Subsection 619.03.2, Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition .

6. The newly painted markings shall be protected so that, insofar as possible, paint will not be picked up by the tires of passing vehicles. Warning signs shall be placed at the beginning of a wet line and at points well in advance of the marking equipment. For the benefit of the Contractor, small flags or other similarly effective small objects may be placed near freshly applied lines at frequent intervals to reduce crossings by traffic. Damaged portions of stripes shall be effaced and replaced by the Contractor at no additional cost to the City. Operations shall be conducted so that traffic can move without undue hindrance. When public traffic is being maintained, warning signs at the starting end shall be moved forward as sections of stripe dry sufficiently to prevent pick-up under traffic. Reference is made to Subsection 710.02.2.2, Mississippi Standard Specifications for Road and Bridge Construction, 2017 Edition for the particular paint involved.
7. Detail traffic stripe shall be those short stripes, exclusive of lane and edge striping of the main facility, at exit and entrance ramps, turnouts, turn bays, and other locations indicated on the plans. When shown on the plans or directed by the Engineer, detail stripe of the color, width, and length shall be placed in accordance with the provisions and requirements of this section.
8. Legend shall be applied by the use of templates cut to the dimensions shown on the plans, or by other methods approved by the Engineer that will provide a clean cut, uniform, and workmanlike appearance. All other requirements for legend shall be in accordance with the applicable materials and construction requirements of this section. Legend that fails to have a uniform, satisfactory appearance either by day or by night shall be corrected by the Contractor or removed and replaced at no additional cost to the City.
9. Legend, which is to include railroad markings, pedestrian crosswalks and stop lines, will be measured by the linear foot. Letters and symbols as shown on the plans or are established by the City or their representative will be measured by the square foot. Transverse markings with stripes more than six (6) inches in width will be converted to equivalent lengths of six-inch widths. Legends which fail to have uniform; satisfactorily



appearance by day or by night shall be corrected by the Contractor or removed and replaced at no additional cost to the City.

10. Painted traffic markings, of the type specified, will be measured by the linear foot, square foot, or mile, from end-to-end of individual stripes. In the case of skip lines, the measurement will include skips. The length used to measure centerline, lane lines and edge stripes will be the horizontal length computed along the stationed control line. Detail traffic stripe will be measured by the linear foot from end-to-end of individual stripes. Measurement will be made along the surface of each stripe and will exclude nominal skip intervals where specified. Stripes more than six inches in width will be converted to equivalent lengths of six-inch stripe. Legend, which includes railroad markings, pedestrian crosswalks and stop lines, will be measured by the square foot or linear foot. Pay areas of individual letters and symbols will usually be shown on the plans and measured by the square foot. Transverse railroad bands, pedestrian crosswalks and stop lines will generally be measured by the linear foot, in which case, stripes more than six inches in width will be converted to equivalent lengths of six-inch widths.
11. Payment of thermoplastic traffic markings will be paid for at the contract unit price per mile, linear foot, or square foot, as applicable, which shall be full compensation for completing the work.

STRIPE REMOVAL

Removal of 6" Stripe Line	\$ _____ per Linear Foot
Removal of Stripe Legend	\$ _____ per Square Foot

INSTALLATION OF PAINTED TRAFFIC MARKINGS

6" Traffic Stripe, (Skip White or Yellow)	\$ _____ per Mile
6" Traffic Stripe, (Continuous White under 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous White over 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous Yellow under 5,000 L.F.)	\$ _____ per Linear Foot
6" Traffic Stripe, (Continuous Yellow over 5,000 L.F.)	\$ _____ per Linear Foot
Detail Stripe (White or Yellow)	\$ _____ per Linear Foot
Thermoplastic Legend	\$ _____ per Square Foot

Vendor: _____



Address: _____

Mailing Address: _____

Telephone Number: _____ Email Address: _____

Fax Number: _____ Certificate of Responsibility #: _____

Authorized Signature: _____ Title: _____

Date: _____

Notice to bidders:

Non-Resident Bidder: When a non-resident bidder (a Contractor whose principal place of business is outside the State of Mississippi) submits a bid for a Mississippi Project one of the following is required and shall be submitted with the Bid Form:

A. Copy of Law: *if the non-resident Bidder's state has a resident Bidder preference law, a copy of that law shall be submitted with the Bid Form.*

B. Statement: *if the state has no such law then a statement BY AN OFFICER OF THE COURT indicating the State of (Name of State) has no resident Contractor preference law shall be submitted with the Bid Form. Failure by a non-resident bidder to submit either the information in A. or B. herein shall disqualify Contractor's bid and same will not be considered.*

All bids are to be submitted on this form and shall be submitted in sealed envelopes marked in the lower left-hand corner **"STRIPE REMOVAL AND TRAFFIC MARKINGS INSTALLATION THROUGHOUT ROADWAYS LOCATED WITHIN THE CITY LIMITS"**. **Bids are due by Thursday, February 22, 2024, at 10:00 a.m.** All bids must be mailed or hand-carried to 10383 Automall Parkway, D'Iberville, MS 39540. Bids not submitted on this form may be disqualified. Bids should be addressed to Jodi Weise, City Clerk.

Hold harmless: Contractor agrees that it will, and hereby does, indemnify, defend and hold harmless city of D'Iberville from and against any and all claims, damages, losses, costs and expenses of every kind and nature, including court costs and attorney fees and claims for damages resulting from or arising out of any infringement claim or claim of bodily injury, death or damage to real or tangible personal property caused by contractor and/or its partners, principals, agents, employees or subcontractors in the performance of this contract. The City of D'Iberville will notify the contractor in writing of any claim to be indemnified hereunder, of which city has knowledge, and contractor in turn will promptly notify city of any such claim.



Contractor shall, at its sole expense, control the defense of such suit to the extent allowed by Mississippi law. The parties agree to cooperate with one another in the defense of any such matter.

Any request for price increase during the term of contract will be rejected. Should this rejection result in the cancellation of the contract, the vendor shall be removed from the qualified bidders list for twenty-four (24) months. If adverse conditions exist industry wide, modifications to disqualifications may be made as circumstances warrant. The city reserves the right to request from the vendor an extension of this contract for a second term of twelve (12) months, commencing March 1, 2024, with all prices remaining constant.