

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u> 1 </u>	DATED <u> 9/23/14 </u>	ADDENDUM NO. <u> 3 </u>	DATED <u> 10/3/14 </u>
ADDENDUM NO. <u> 2 </u>	DATED <u> 10/2/14 </u>	ADDENDUM NO. <u> 4 </u>	DATED <u> 10/6/14 </u>
ADDENDUM NO. <u> 5 </u>	DATED <u> 10/6/14 </u>	_____	_____

- | | |
|--------|---|
| Number | Description |
| 1 | Replaced page 6 with same; Replaced page 64 with same. |
| 2 | Replaced pages 268-269 with same. |
| 3 | Replaced pages 305-306 with same. |
| 4 | Replaced page 22 with same. |
| 5 | Replaced pages 11-12 with same; Replaced page 25 with same; Replaced page 52 with same; Replaced page 55 with same; Replaced page 77 with same; Replaced page 104 with same; Replaced page 131 with same; Replaced page 205 with same; Added pages 215a-215c. |

TOTAL ADDENDA: 5
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,
 DATE _____

 Contractor
 BY _____
 Signature
 TITLE _____
 ADDRESS _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____	President	_____	Address
_____	Secretary	_____	Address
_____	Treasurer	_____	Address

The following is my (our) itemized proposal.

12. Interior Overhang Bracket Repair – Epoxy Injection
13. Interior Overhang Bracket Repair – Partial Repair (Clean/Patch Sides and Bottom)
14. Interior Overhang Bracket Repair – Remove Loose Concrete Only
15. Clear Debris from All Drain Holes and Grout All Drains over Railroad Right of Way
16. Design and Construction of Bent 15 Riser and Bearings Replacement
17. Design and Construction of Bent 17 Riser and Bearings Replacement
18. Deck and Sidewalk Spall Repairs
19. Bent 1 Repairs – Epoxy Injection and Patching
20. Channel Bank Repair at Bent 3
21. Edge Beam Repairs
22. 6” Thermoplastic Edge Stripe – Continuous White, 6” Thermoplastic Traffic Stripe – Skip White, 6” Thermoplastic Traffic Stripe – Continuous Yellow, and Removal of Stripe (Per Notice to Proposers No. 4908 DB)
23. Bridge Concrete Spray Finish – Superstructure, Abutments, and East Approach Walls
24. Interior Bent Column Repairs

The Contractor may include the following repair items (**Optional**) of work in the following order of priority:

25. Deck Joint Repair at Bents
26. Bridge Painting – Clean and Paint Bearings and 2’ of All Girder Ends (Epoxy Mastic)
27. Bridge Painting – Remove Existing Coating and Recoat All Steel Rail or Clean and Paint All Steel Rail (Per Special Provision No. 907-845-3 DB or Special Provision No. 907-845-4 respectively)
28. Bridge Concrete Spray Finish – Substructure
29. High Friction Surface Treatment

30. Bridge Painting – Remove Existing Coating and Recoat All Steel Superstructure (Per Special Provision No. 907-845-3 DB) with the Exception of Railing Listed in Repair Item 27

The Project will include all of the **Mandatory** repair items 1 through 24 and as many of the **Optional** bridge repair items in order of priority as indicated above up to a maximum lump sum proposal price of three million, six hundred thousand dollars (\$3,600,000.00). The Proposer is required to determine the maximum number of bridge repair items to be completed in the order presented above. The Project shall include those bridge repairs listed above as detailed on the Contractor's Schedule Certificate, made a part of this Project by reference.

The Contractor shall complete all repair items in the Contractor's Schedule Certificate as indicated in Notice to Proposers No. 2618 DB (Project Scope), in accordance with the standards and specifications indicated in this RFP.

Proposal Criteria

The Commission is requesting a Contract Price, Best-Value Proposal that includes a project schedule commitment for the work proposed. The price and schedule shall be guaranteed by the Proposer for a minimum of sixty (60) days after the date of opening the Volume 2 - Contract Price Proposal.

The Proposer is solely responsible for submitting Proposals that meet the requirements of the RFP. Assumptions that are not in compliance with the RFP will not relieve the Proposer of the requirements of the RFP. The submitted Proposals are evaluated for general conformance with the RFP requirements for the purpose of selecting the Best-Value Proposal. While those items listed in Section 902 – Contract and Exhibits become part of the contract documents, the Release for Construction (RFC) plans and designs must meet all the RFP Technical Requirements.

In order to evaluate the Proposals efficiently, the Proposals shall be prepared in separate volumes and should be in the following sequence, tabbed and organized as indicated below:

Volume 1 – Technical Proposal

The recommended length of this Proposal is no more than thirty-five (35) pages, double-spaced, eight and a half (8.5)-inch by eleven (11)-inch pages with margins of at least one (1) inch on all four (4) sides, typed on one (1) side only, excluding appendices. All text information in the recommended thirty-five (35)-page limit should be shown in a readable font, size twelve (12) points or larger. Pages may be eleven (11) inches by seventeen (17) inches, but they shall count as two (2) sheets each against the recommended thirty-five (35)-page maximum. Headers, footers, charts, and other graphics may be provided in a different font type and size providing they are legible. Section dividers are not counted as part of the recommended thirty-five (35)-page maximum. A cover letter, the table of contents, organizational chart, Contractor's Schedule Certificate, and any plan sheets will not be counted as part of the recommended thirty-five (35)-page maximum. The organizational chart as indicated in Part 7, Key Individuals, should be provided in the front of the appendix. All plan submittals should be in a separate appendix to the Volume 1 - Technical Proposal. Volume 1 – Technical Proposals should use cross-referencing to reduce repetition in explaining the proposed Project. MDOT reserves the right to reject any

CONTRACTOR’S SCHEDULE CERTIFICATE

- 25. Deck Joint Repair at Bents
- 26. Bridge Painting – Clean and Paint Bearings and 2’ of All Girder Ends (Epoxy Mastic)
- 27. Bridge Painting – Remove Existing Coating and Recoat All Steel Rail or Clean and Paint All Steel Rail
- 28. Bridge Concrete Spray Finish – Substructure
- 29. High Friction Surface Treatment
- 30. Bridge Painting – Remove Existing Coating and Recoat All Steel Superstructure with the Exception of Railing Listed in Repair Item 27

Included as part of Proposal	<u>Not</u> Included as part of Proposal

Further, CONTRACTOR hereby agrees that attainment or non-attainment of the Completion Days stated above shall be the measure of performance for the assessment of liquidated damages.

Witness our signature this the _____ day of _____, 201__.

15. Clear Debris from All Drain Holes and Grout All Drains over Railroad Right of Way
16. Design and Construction of Bent 15 Riser and Bearings Replacement
17. Design and Construction of Bent 17 Riser and Bearings Replacement
18. Deck and Sidewalk Spall Repairs
19. Bent 1 Repairs – Epoxy Injection and Patching
20. Channel Bank Repair at Bent 3
21. Edge Beam Repairs
22. 6” Thermoplastic Edge Stripe – Continuous White, 6” Thermoplastic Traffic Stripe – Skip White, 6” Thermoplastic Traffic Stripe – Continuous Yellow, and Removal of Stripe (Per Notice to Proposers No. 4908 DB)
23. Bridge Concrete Spray Finish – Superstructure, Abutments, and East Approach Walls
24. Interior Bent Column Repairs

The Contractor may include the following repair items (**Optional**) of work in the following order of priority:

25. Deck Joint Repair at Bents
26. Bridge Painting – Clean and Paint Bearings and 2’ of All Girder Ends (Epoxy Mastic)
27. Bridge Painting – Remove Existing Coating and Recoat All Steel Rail or Clean and Paint All Steel Rail (Per Special Provision No. 907-845-3 DB or Special Provision No. 907-845-4 DB respectively)
28. Bridge Concrete Spray Finish – Substructure
29. High Friction Surface Treatment
30. Bridge Painting – Remove Existing Coating and Recoat All Steel Superstructure (Per Special Provision No. 907-845-3 DB) with the Exception of Railing Listed in Repair Item 27

The Project will include all of the **Mandatory** repair items 1 through 24 and as many of the **Optional** bridge repair items in order of priority as indicated above up to a maximum lump sum proposal price of three million, six hundred thousand dollars (\$3,600,000.00). The Proposer is

WOODROW WILSON OVER MILL ST. & ICRR RAILROAD - BRIDGE REPAIR SUMMARY

Repair Item Description	
1	Steel Rail Repair - Full Section Replacement
2	Steel Rail Repair - Picket Repair/Replacement
3	Rail Post Replacement
4	Rail Post Repairs - Patching
5	Rail Post Repairs - Epoxy Injection
6	Reconstruct Joint Overhang Brackets at All Bent Locations
7	Design & Construction of Stabilization Structure at Bent 22 (Including Epoxy Injection & Patching)
8	Spans 15 & 16 - Girder Bottom Flange Plate Crack Repairs
9	Spans 15 & 16 - Cross Frame and Stiffener Repairs
10	Spans 15 & 16 - Intermediate Joint Seals
11	Bridge Painting - Clean & Paint Exterior Girders At All Overhang Brackets (epoxy mastic)
12	Interior Overhang Bracket Repair - Epoxy Injection
13	Interior Overhang Bracket Repair - Partial Repair (Clean/Patch Sides & Bott.)
14	Interior Overhang Bracket Repair - Remove Loose Concrete Only
15	Clear Debris From All Drain Holes & Grout All Drains Over RR
16	Design and Construction of Bent 15 Riser & Bearings Replacement
17	Design and Construction of Bent 17 Riser & Bearings Replacement
18	Deck and Sidewalk Spall Repairs
19	Bent 1 Repairs - Epoxy Injection & Patching
20	Channel Bank Repair at Bent 3
21	Edge Beam Repairs
22	Bridge Striping and Removal of Stripe (Per Notice to Proposers No. 4908 DB)
23	Bridge Concrete Spray Finish - Superstructure, abutments & east approach walls
24	Interior Bent Column Repairs
25	Deck Joint Repair at Bents
26	Bridge Painting - Clean & Paint Bearings And 2' of All Girder Ends (epoxy mastic)
27	Bridge Painting - Remove Existing Coating & Recoat All Steel Rail - Full Containment <u>or Clean and Paint All Steel Rail</u>
28	Bridge Concrete Spray Finish - Substructure
29	High Friction Surface Treatment
30	Bridge Painting - Remove Existing Coating & Recoat All Steel Superstructure <u>with the Exception of Railing Listed in Repair Item 27 - Full Containment</u>

BRIDGE PAINTING - STEEL SUPERSTRUCTURE AND RAIL (Repair Items 27 & 30)

(Repair Item 27)

- 1.) Remove Existing Coating And Recoat All Steel Rail using 3 Coat System with Full Containment
or Clean and Paint All Steel Rail Using an Overcoat System

(Repair Item 30)

- 2.) Remove Existing Coating And Recoat All Steel Superstructure using 3 Coat System with Full Containment

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO PROPOSERS NO. 4901 DB

CODE: (SP)

DATE: ~~07/09/2014~~10/06/2014

SUBJECT: Bridge Painting

PROJECT: DB/TCSP-7281-00(003) / 106494301 – Hinds County

Proposers are hereby advised of the potential exposure to hazardous lead based paint during construction activities. The sequence of operations for the removal and replacement of existing paint shall follow the procedures addressed in Special Provision No. 907-845-3 and/or Special Provision No. 907-845-4 where applicable.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

SUBJECT: Table of Contents

907-101-4 DB:	Definitions
907-102-1 DB:	Bidding Requirements and Conditions
907-103-1 DB:	Award and Execution of Contract
907-104-5 DB:	Scope of Work
907-107-13 DB:	Legal Relations and Responsibility to Public
907-108-1 DB:	Prosecution and Progress
907-109-1 DB:	Measurement and Payment
907-110-2 DB:	Wage Rates
907-410-8 DB:	High Friction Surface Treatment
907-601-1 DB:	Structural Concrete
907-626-25 DB:	Thermoplastic Traffic Markings
907-680-1 DB:	Portable Construction Lighting
907-711-4 DB:	Synthetic Structural Fiber Reinforcement
907-713-3 DB:	Admixtures for Concrete
907-714-8 DB:	Miscellaneous Materials
907-804-13 DB:	Concrete Bridges And Structures
907-845-3 DB:	Coating Existing Structural Steel
907-845-4 DB:	Overcoating Existing Steel Railing
907-899-2 DB:	—Railway-Highway Provisions

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-845-3 DB

CODE: (SP)

DATE: 08/01/2014

SUBJECT: Coating Existing Structural Steel

PROJECT: DB/TCSP-7281-00(003) / 106494301 – Hinds County

Section 907-845, Coating Existing Structural Steel, is added to the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-845 – COATING EXISTING STRUCTURAL STEEL

907-845.01--Description. This work consists of furnishing all labor, material, and equipment required for coating existing structural steel in accordance with the requirements of this Section, by removing and replacing the existing coating where shown in the plans or described herein. Unless otherwise specified, all existing coatings shall be removed and replaced, and all steel surfaces shall be prepared by abrasive blast cleaning as described in Section 907-845.03.7.6 of this Specification.

907-845.02--Materials.

907-845.02.1--Coating Systems. One of the following organic zinc/epoxy/urethane three-coat systems, or an approved equal, shall be used for removal and replacement of paint.

	1st	2nd	3rd
Carboline	Carbozinc 859 dft = 3-5 mils	Carbogaurd 888 dft = 3-5 mils	Carbothane 133LH dft = 3-5 mils
Ameron	Amercoat 68HS dft = 3-5 mils	Amercoat 399 dft = 4-8 mils	Amercoat 450H dft = 3-5 mils
Sherwin Williams	Zinc Clad III HS dft = 3-5 mils	Macropoxy 646 dft = 5-10 mils	Acrolon 218HS dft = 3-6 mils

907-845.02.2--Thinners, Solvents and Cleaners. Only thinners, solvents and cleaners listed on the coating manufacturer's product data sheet shall be used.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-845-4 DB

CODE: (SP)

DATE: 10/03/2014

SUBJECT: Overcoating Existing Steel Railing

PROJECT: DB/TCSP-7281-00(003) / 106494301 – Hinds County

Section 907-845, Overcoating Existing Steel Railing, is added as an alternative to Special Provision No. 907-845-3 to the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-845 – OVERCOATING EXISTING STEEL RAILING

907-845.01--Description. This work consists of furnishing all labor, material, and equipment required for overcoating existing structural steel in accordance with the requirements of this Section, by preparing steel surfaces and applying paint as described herein.

907-845.02--Materials.

907-845.02.1--Coating Systems. Provide a penetrating sealer, intermediate prime coat on bare steel areas, and a top coat in accordance with manufacturer's specifications. Paint system should consist of organic zinc, or a urethane or epoxy based paint with a metallic filler.

907-845.02.2--Thinners, Solvents and Cleaners. Only thinners, solvents and cleaners listed on the coating manufacturer's product data sheet shall be used. In addition, use thinners, solvents and cleaners that do not damage the existing coating.

907-845.02.3--Caulking. Only Caulks that are paintable, compatible with the coating system, and recommended by the coating manufacturer as part of the coating system shall be used.

907-845.02.4--Rust Preventative Compound. The rust preventative compound shall be a Class 3 compound meeting the requirements of Military Specification MIL-C-11796C, Corrosion Preventative Compound, Petrolatum, Hot Applied.

907-845.02.5--Storage. Materials shall be stored in conformance with the manufacturer's recommendations.

907-845.03--Construction Requirements.

907-845.03.1--Coating Application System. The coating application equipment shall be approved by and in accordance with the Coating Manufacturer's technical data requirements.

907-845.03.2--Surface Preparation.

907-845.03.2.1--General. All steel surfaces shall be cleaned. In portions of the existing coating that are to remain, the edges of all existing coating shall be feathered back to remain a minimum of three inches (3") around the area of existing coating to provide a smooth transition. The existing coating in the feathered area shall be roughened to ensure proper adhesion of the new coating.

All surfaces to be coated shall be clean, dry, and free from oil, grease, dirt, dust, soluble salts, corrosion, peeling, caulking, weld spatter, mill scale and any other surface contaminants. The surface preparations and coating operations shall be performed so that freshly applied coatings will not be contaminated by dust or foreign matter. The Contractor shall protect all equipment and adjacent surfaces not to be coated from surface preparation operations. In the event that any rusting or contamination occurs after the completion of the surface preparation, the surfaces shall be prepared again to the initial requirements. Surface preparation work shall be performed only when the temperature of the steel surface is at least 5°F above the dew point temperature.

907-845.03.2.2--Cleaning. All surfaces shall be cleaned in accordance with the requirements of SSPC-SP 1.

907-845.03.2.3--Hand Tool Cleaning. Exposed steel surfaces shall be prepared by hand tool cleaning as defined in SSPC-SP 2. Hand tool cleaning will be required for areas of rusted steel, loose, cracked or brittle paint or areas indicated by the engineer. The cleaning shall be performed 2 inches beyond the areas of rust or defective paint in all direction or until tightly adhered paint is obtained with no rust or blisters. Edges between bare steel and the paint shall be feathered. A system shall be provided that will contain all removed paint, rust, and other debris. Place an airtight membrane below the member being cleaned to collect all falling debris. Collection and disposal of the residue removed shall be the responsibility of the Contractor.

907-845.03.3--Application.

907-845.03.3.1--General. A coating of rust preventative compound shall be applied to all machine finished or similar surfaces not to be coated as directed by the Engineer. Prior to the application of any coating, the substrate shall be inspected for contamination and defects, and the surface prepared before application of the next coat. Each coat including a stripe coat shall be applied in a color that contrasts with the substrate or preceding coat.

907-845.03.3.2--Weather and Temperature Limitations. Spray coating shall not be performed when the measured wind speed in the immediate coating area is above 15 miles per hour. Coatings shall not be applied when contamination from rainfall is imminent or when the ambient air temperature, relative humidity, dew point temperature, or temperature of the steel is outside limits of the coating manufacturer's product data sheet.

907-845.03.3.3--Sealing Using Caulk. The perimeter of all faying surfaces, cracks and crevices, joints open less than 1/2 inch, and skip-welded joints shall be completely sealed using caulk. The caulk shall be applied to the joint following the caulk manufacturer's recommendations. The caulk bead shall have a smooth and uniform finish and be cured according to the caulk manufacturer's recommendation prior to the application of the coating system.

907-845.03.3.4--Protection of Adjacent Surfaces. All surfaces and working mechanisms not intended to be coated during the application of coatings shall be protected. Surfaces that have been contaminated with coatings shall be cleaned until all traces of the coating have been removed. Material from cleaning and coating operations shall not be dispersed outside the work site.

907-845.03.3.5--Mixing and Thinning. All coatings shall be mixed in accordance with the manufacturer's product data sheet. Only complete kits shall be mixed. Thinners and solvents shall be in accordance with the requirements of the coating manufacturer's product data sheet. The amount of thinner added shall not exceed any State and Federal regulations regarding Volatile Organic Compounds (VOC). All mixing operations shall be performed over an impervious surface with provisions to prevent runoff to grade of any spilled material.

907-845.03.3.6--Application Methods. The Contractor shall use coating application equipment and apply coatings per the coating manufacturer's product data sheet. Application with brushes may be permitted for minor touchup of spray applications, stripe coats, or when otherwise approved by the Engineer. Spray equipment shall be adjusted to produce an even, wet coat with minimum overspray. Coatings shall be applied in even, parallel passes, overlapping fifty percent (50%). Coatings shall be agitated during application as required by the coating manufacturer's product data sheet.

907-845.03.3.7--Stripe Coating. Stripe coats shall be applied to achieve complete coverage and proper thickness on welds, corners, crevices, sharp edges, bolts, nuts, rivets, and rough or pitted surfaces.

907-845.03.3.8--Thickness of Coats. Coatings shall be applied to the thickness as identified in the manufacturer's product data sheet. After application of each coat, the surfaces shall be thoroughly inspected and the dry film thickness (DFT) measured in accordance with SSPC-PA 2. When the DFT is deficient or excessive, corrections shall be made in accordance with the coating manufacturer's recommendations and retest the area.

907-845.03.3.9--Coating Drying, and Curing. Coatings shall be applied within the time specified by the coating manufacturer's product data sheet for drying and recoating. Before handling, cure shall be tested in accordance with the manufacturer's recommended method. When the manufacturer's technical data sheet does not state a specified cure test, the requirements of ASTM D 5402 for organic zinc primers shall be met. The Contractor shall obtain the acceptance criteria from the coating manufacturer and report the results to the Engineer.

907-845.03.3.10--Coating Finish. Each coat shall be applied free of runs, sags, blisters, bubbles, and mud cracking; variations in color, gloss, or texture, holidays, excessive film buildup, foreign contaminants, orange peeling, and overspray.

907-845.03.4--Touchup and Repair. All welds, rivets, bolts, and all damaged or defective coating and rusted areas shall be cleaned and coated. Upon approval by the Engineer, aluminum mastic may be used in accordance with the manufacturer's recommendations. Aluminum mastic shall contain aluminum pigment and minimum 80% volume solids.