

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. 1 DATED 02/18/2004 ADDENDUM NO. _____ DATED _____
ADDENDUM NO. _____ DATED _____ ADDENDUM NO. _____ DATED _____

No. 1 Revise Table of Contents
pg. 1, 2 & 3 add NTB # 6901
add NTB # 6904, add SP
907-304-20 & 907-816-4, revise
proposal sheets 2-4, 2-8, 2-9 &
2-10, revise project diskette.

TOTAL ADDENDA: 1
(Must agree with total addenda
issued prior to opening of bids)

Respectfully submitted, _____
Contractor

BY _____

TITLE _____

ADDRESS _____

Date _____

(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.

Revised 11/26/2003

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TABLE OF CONTENTS

PROJECT: BR-1681-00(012) / 102517 – MADISON COUNTY

901--Advertisement

904--Notice to Bidders: Governing Specs. - # 1
 Status of ROW, Util. Adjustments and Underground
 Storage Tanks - # 437, W/ATTACHMENTS
 Agency, Commission and Office Name Changes - # 882
 Additional Provisions For Guard Rail Construction - # 946
 Final Clean Up - # 1072
 Errata & Modifications to 1990 Standard Specifications- # 1428
 Bridge Deck Pouring Schedule - # 1755
 Clarification of Significant Change Specifications - # 1991
 Restriction on Tricalcium Aluminate Content - # 2905
 Use of GGBFS - # 2906
 Selection of Optional Items - # 3191
 Structural Steel Fabrication Inspection Costs - #3663
 Plant Pest Quarantines Information - # 3745
 Concrete Base for Bridge End Pavement - #4464
 Prompt Payment - # 4670
 Alterations in Bidding Process - # 4758
 Substitution of Cold Plastic Traffic Markings - # 4792
 On-the-Job Training Program - # 4954
 Change Order / Quantity Adjustment Name Change - # 5185
 Placement of Granular Material - # 5788
 Disadvantaged Business Enterprises - # 5955, W/SUPPLEMENTS
 DBE Goals - # 5957
 Work in Proximity of Overhead High Voltage Power Lines - # 6027
 Payment To Subcontractors - # 6143
 Contract Overpayment(s) - # 6159
 Federal Bridge Formula - #6275
 Certificate of Traffic Control Devices - # 6289
 Submission of Form OCR-485 - # 6333
 Storm Water Associated w/Construction Activities - # 6484
 Removal of Construction Signs - # 6522
 Submittal of Hydrated Lime Shipping Tickets - # 6618
 Fuel Tax Applicability to Bidder's and Contractors - # 6783
 Contract Time - # 6787
 Placement of Fill Material in Federally Regulated Areas – # 6788
 Speciality Items - # 6789
 Estimated Monthly Quantities - # 6794
 Additional Requirements - # 6818
 Petroleum Products Base Price - # 6823
 Correction Bid Item Description - # 6901
 Bridge Deck Removal - # 6904

906: Reqd.Fed.Constr.Provisions -- FHWA-1273, W/SUPPLEMENTS

-CONTINUED ON NEXT PAGE-

PAGE 2 - TABLE OF CONTENTS - PROJECT BR-1681-00(012) / 102517 – MADISON COUNTY

| | |
|-------------|----------------------------------------------------------------------------|
| 907-101-5: | Definitions |
| 907-102-1: | Combination Bids |
| 907-102-8: | Preparation of Proposal |
| 907-103-5: | Execution and Approval of Contract |
| 907-104-3: | Significant Changes in the Character of Work and Differing Site Conditions |
| 907-104-8: | Partnering Process |
| 907-104-12: | Minor Alterations to the Contract |
| 907-105-9: | Claims |
| 907-106-1: | Convict Produced Materials |
| 907-107-6: | Materials Pits (NPDES Permits) |
| 907-107-10: | Contractor's Responsibility for Work |
| 907-107-12: | Liability Insurance |
| 907-107-13: | Contractor's Protection Plan |
| 907-108-20: | Liquidated Damages Table |
| 907-108-25: | Determination and Extension of Contract Time |
| 907-109-8: | Claims |
| 907-109-14: | Measurement & Payment for Changes in Cost of Construction Materials |
| 907-109-15: | Measurement and Payment |
| 907-203-15: | Excavation and Embankment |
| 907-213-1: | Agricultural Limestone |
| 907-234-1: | Silt Fence |
| 907-304-20: | Crushed Stone Courses |
| 907-401-23: | Hot Mix Asphalt (HMA), <u>W/SUPPLEMENT</u> |
| 907-403-18: | Hot Mix Asphalt (HMA) |
| 907-410-2: | Bituminous Surface Treatments |
| 907-501-8: | Diamond Grinding & Grooving, <u>W/SUPPLEMENT</u> |
| 907-606-7: | Terminal End Sections |
| 907-617-1: | Right -of-Way -Markers |
| 907-618-16: | Placement of Temporary Traffic Stripe |
| 907-618-69: | Construction and Removal of Detour Bridges |
| 907-619-11: | Terminal End Sections |
| 907-619-18: | Temporary Pavement Markings |
| 907-619-22: | Traffic Control for Construction Zones |
| 907-625-4: | Painted Traffic Markings |
| 907-626-10: | Thermoplastic Traffic Markings |
| 907-627-3: | Raised Pavement Markings |
| 907-628-11: | Cold Plastic Pavement Markings |
| 907-699-3: | Construction Layout and Staking |
| 907-700-4: | Buy America |
| 907-700-5: | Use of Crushed Reclaimed Concrete Pavement in Asphalt |
| 907-702-10: | Petroleum Asphalt Cement and Polymer Modified Petroleum Asphalt Cement |
| 907-703-18: | Aggregates for Hot Mix Asphalt (HMA) |
| 907-707-2: | Joint Materials |
| 907-710-4: | Inorganic Zinc Rich Paint System |
| 907-710-5: | Fast Drying Acrylic Waterborne Traffic Paint |
| 907-712-5: | Materials For Guardrail Posts |

-CONTINUED ON NEXT PAGE-

PAGE 3 - TABLE OF CONTENTS - PROJECT BR-1681-00(012) / 102517- MADISON COUNTY

| | |
|-------------|---------------------------------------------------------------|
| 907-714-6: | Miscellaneous Materials |
| 907-714-8: | Geotextiles |
| 907-715-4: | Agricultural Limestone |
| 907-716-1: | Miscellaneous Materials |
| 907-720-3: | Prefomed Pavement Marking for Construction Zones |
| 907-720-9: | High Performance Cold Plastic Pavement Markings |
| 907-720-11: | Glass Beads |
| 907-720-12: | Reflective Pavement Markers and Adhesive for Pavement Markers |
| 907-721-5: | Flexible Delineators |
| 907-721-7: | Reflective Sheeting |
| 907-721-8: | Materials for Signing |
| 907-804-5: | Stay-in-Place Metal Forms |
| 907-804-15: | Concrete for Bridges and Structures |
| 907-810-7: | Steel Structures |
| 907-816-4: | Maintenance Painting of Metal Structures |
| 906-3: | On-The-Job Training Program |
| 906-4: | On The Job Training Program Alternate Program |

SECTION 905 - PROPOSAL - PROPOSAL SHEET NOS. 2-1 through 2-12;

COMBINATION BID PROPOSAL,

CERTIFICATE OF PERFORMANCE - PRIOR FEDERAL AID CONTRACTS,

CERTIFICATE REGARDING NON-COLLUSION, DEBARMENT AND SUSPENSION,

SECTION 902 - CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORM,

PROGRESS SCHEDULE,

FORM -- OCR-485,

HAUL PERMIT FOR BRIDGES WITH POSTED WEIGHT LIMITS

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET OF SECTION 905 AS ADDENDA)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6901

CODE: (SP)

DATE: 02/17/2004

SUBJECT: Correction Bid Item Description

PROJECT: BR-1681-00(012) / 102517 -- Madison County

Bidders are hereby advised that the description for Pay Item No. 304-A Granular Material, Class 5, Group E on the summary of quantities sheet in the plans is incorrect. The correct description is Granular Material, Class 5 Group C, as shown on the bid sheets.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6904

CODE: (SP)

DATE: 02/18/2004

SUBJECT: Bridge Deck Removal

PROJECT: BR-1681-00(012) / 102517 -- Madison County

1. Bidders are hereby advised that removal of the bridge deck, railing and beams shall not be paid for directly. Payment shall be made under Pay Item 201-A, Clearing and Grubbing, L.S.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-304-20

CODE: (SP)

DATE: 06/07/2002

SUBJECT: Crushed Stone Courses

Section 304, Granular Courses, of the 1990 Edition of Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows for crushed stone courses ONLY:

907-304.02--Materials.

907-304.02.1--General. Delete the first sentence of Subsection 304.02.1 on page 304-1 and substitute the following:

Material used for 3/4" and Down Crushed Stone shall meet the following requirements:

3/4" and Down Crushed Stone

| <u>Sieve Size</u> | <u>Percentage Passing</u> |
|-------------------|---------------------------|
| 1" | 100 |
| 3/8" | 50 - 85 |
| No. 4 | 35 - 65 |
| No. 10 | 25 - 50 |
| No. 40 | 15 - 30 |
| No. 200 | 5 - 15 |

Material used for Granular Material (Crushed Stone), used for maintenance of traffic, shall be placed as directed by the Engineer and shall meet the following requirements:

Granular Material (Crushed Stone)

| <u>Sieve Size</u> | <u>Percentage Passing</u> |
|-------------------|---------------------------|
| 1 1/2" | 100 |
| 1" | 90 - 100 |
| 1/2" | 62 - 90 |
| No. 4 | 30 - 65 |
| No. 10 | 15 - 40 |
| No. 200 | 3 - 16 |

907-304.03--Construction Requirements.

907-304.03.6--Shaping, Compacting and Finishing. Add the following to the last paragraph on page 304-3:

The required density for 3/4" and Down Crushed Stone courses shall be equal to or exceed 99.0 percent with no single density test below 95.0 percent.

No density will be required for Granular Material (Crushed Stone) courses used for maintenance of traffic.

907-304.05--Basis of Payment. After the last pay item listed in Subsection 304.05 on page 304-5, add the following:

- 907-304-D: 3/4" and Down Crushed Stone - per ton
- 907-304-G: 3/4" and Down Crushed Stone (AEA) - per cubic yard
- 907-304-H: 3/4" and Down Crushed Stone (LVM) - per cubic yard
- 907-304-I: Granular Material (Crushed Stone) - per ton
- 907-304-J: Granular Material (Crushed Stone)(LVM) - per cubic yard

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-816-4

CODE: (SP)

DATE: 12/17/93

SUBJECT: Maintenance Painting of Metal Structures

Section 816, Maintenance Painting of Metal Structures, of the 1990 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is deleted in toto and replaced as follows:

SECTION 907-816--MAINTENANCE PAINTING OF METAL STRUCTURES

907-816.01--Description. This work consists of furnishing all materials, equipment and labor for the cleaning and painting of metal structures. It shall include, unless otherwise provided in the contract, the preparation of metal surfaces, the application, protection and drying of the paint coatings, supplying all tackle, scaffolding and other essentials necessary to complete the work in accordance with the specifications and as specified on the plans.

907-816.02--Materials. The coating system selected for maintenance painting must be lead free, VOC compliant and must be listed on the Department's APPROVED LIST OF MATERIALS under Approved Coating Systems for Upgrading Existing Coatings by Maintenance Forces. The coating system shall consist of three coats as follows; an approved primer coat paint, intermediate coat paint and a top coat paint. The substitution of a primer, intermediate or top coat paint from one approved coating system to another is not permitted. The integrity of each approved coating system must be maintained.

When the project requires the painting of both new and existing metal structures, the different painting systems selected shall be from the same manufacturer and shall have the same top coat color.

907-816.03--Construction Requirements.

907-816.03.1--Weather Limitations. Solvent base paint shall not be applied when the surrounding air temperature is below 40°F. Waterborne paint shall not be applied when the surrounding air temperature is below 50°F. Paint shall not be applied when the surrounding air temperature is expected to drop to 32°F prior to drying of the paint. Paint shall not be applied when the metal is hot enough to cause blistering or produce a porous film. Paint shall not be applied when steel surface is less than 5° above the dew point nor shall it be applied in rain, snow, wind, fog, mist or when, in the opinion of the Engineer, conditions are otherwise unsatisfactory for the work.

907-816.03.2--Pollution Control During Surface Preparation And Repainting. Generated debris must be confined to the immediate area of the structure. Appropriate screens and barriers must be erected to protect pedestrian and vehicular traffic during waterblasting and painting operation. Overspray must be kept to a bare minimum.

907-816.03.3--Surface Preparation. Surface preparation will include waterblasting the entire surface followed by spot cleaning with hand tools to remove any remaining loose or flaking paint or rust, dirt, oil, grease and/or other deleterious matter from the steel surface. Tightly bonded paint is not to be removed and it is not necessary to remove tightly bonded rust.

In areas containing a heavy coating of oil, grease and/or deleterious material that cannot be cleaned by waterblasting, use BIOACT AE-O or an approved biodegradable solvent that is environmentally equivalent. Brush or mop the solvent on the surface with a rubbing action to loosen the film. Wipe off with a clean dry cloth and then rinse by waterblasting. Repeat as necessary until clean. The cleanliness of the surface shall be approved by the Project Engineer or a designated representative prior to beginning painting operations.

907-816.03.3.1--Waterblasting. The waterblasting unit must be capable of operating at pressures up to 4,000 psi at a water flow rate up to 10 gpm. The unit must be equipped with a water filter, pressure gauge, nozzle (1/8-inch orifice or one that will provide a jet stream of water) and sufficient length of hydraulic hose. The unit shall be equipped with a deadman control valve or other control valves that will provide automatic shut-off by release of the trigger. Water for blasting must be potable water to prevent damage to the pump and to insure a clean surface on the steel. During waterblasting operation, wood, insulation, electrical, instrumentation, etc., must be protected. After waterblasting, remove any remaining loose paint, loose rust and rust scale with wire brushes or other methods as necessary. Using the waterblast unit or compressed air, remove the loose debris generated from the hand tool cleaning operation. To prevent recontamination of the steel surface, the surface preparation operation should not be completed more than 8 hours in advance of the painting operation. Should any recontamination occur prior to painting, repeat surface preparation procedures as necessary for removal. Before painting, the surfaces must be clean and dry. To enhance drying of the surfaces, compressed air may be used.

907-816.03.3.2--Safety and Clean-Up. The Contractor is advised that during the cleaning of the existing steel he may be dealing with a hazardous material and that he is responsible for the health and safety of his employees. He shall provide such items as protective clothing and respirators and make certain that they are used. He shall also be responsible for the maintenance and/or replacement of these items. The Contractor is advised that safety precautions for workers during each phase of work shall be in compliance with present OSHA standards.

The Contractor shall take necessary precautions to prevent an excessive amount of removed materials from falling beneath the structure. General debris must be confined to the immediate area of the structure. Appropriate measures shall be taken to protect the traveling public during surface preparation and painting operations.

The Contractor shall clean the area of excessive debris generated from cleaning and properly dispose of it at an approved landfill.

The Contractor shall inform himself of any applicable Federal, State or local regulations and take the necessary actions for compliance when applicable to any portion of the required work.

907-816.03.4--Packaging and Marking. Multiple component paints shall be furnished in premeasured packages so as to form one unit of mixed paint when mixed with the vehicle in its container.

The containers for all paints shall be coated as necessary to prevent attack by the paint. Each container shall bear a label with the following information shown thereon: name and address of manufacturer, trade mark or trade name, kind of paint, date of manufacture and lot number, mixing instructions and equipment clean up instructions. The VOC content shall be stated either on the label, product data sheet, or Material Safety Data Sheet.

907-816.03.5--Acceptance Procedure. Prior to use, the Contractor must furnish the Engineer a certificate from the manufacturer, covering each lot of paint in the shipment, attesting that the paint in the shipment conforms to the same formula as that originally approved by the Department.

Final acceptance of the paint will be based on results of tests performed by the Central Laboratory on samples obtained by the Department's representative prior to or after delivery. The use of any lot of paint prior to its final acceptance shall be prohibited.

907-816.03.6--Mixing, Thinning and Application. All paint shall be mixed and applied in accordance with the manufacturer's printed instructions. Paint shall be thinned only under conditions which follow strict accordance with the manufacturer's recommendations.

At the Engineer's request, the paint manufacturer's technical representative who is certified by the National Association of Corrosion Engineers (NACE) shall be present at the job site at the beginning of each separate coating operation as needed to provide technical expertise in the application of the field coats. This technical expertise shall be provided without additional cost to the Department. The Contractor shall be responsible for arranging for the presence of the manufacturer's technical representative.

Apply the paint to the Wet Film Thickness (WFT) that will obtain the Dry Film Thickness (DFT) required for the film being applied. The DFT required for each paint film of each approved coating system is set out in the Department's APPROVED LIST OF MATERIALS.

A subsequent coat shall not be applied until the previous coat has dried throughout the film thickness.

To secure a maximum coating on edges of plates or shapes, rivets, bolt heads and other parts subjected to special wear and attack, the edges shall be stripped with a longitudinal motion and the rivets and bolt heads with a rotary motion of a brush followed immediately by general painting of the whole surface, including recoating of the edges, rivets and bolt heads.

If, in the opinion of the Engineer, traffic produces an objectionable amount of dust, the Contractor shall, at his own expense, allay the dust for the necessary distance on each side of the bridge and take any other precautions necessary to prevent dust and dirt from coming in contact with freshly painted surfaces or surfaces prepared for painting.

The Contractor shall protect pedestrian, vehicular and other traffic upon or underneath the bridge and also all portions of the bridge superstructure and substructure against damage or disfigurement by splatters, splashes and smirches of paint or paint material. Any such disfigurement shall be removed at the direction of and to the satisfaction of the Engineer.

907-816.03.7--Inspection. The Contractor shall measure the paint thickness with an elcometer or other approved magnetic detector thickness gauges. All areas of the finished system deficient in

thickness shall be coated over with the finish paint to establish the specified thickness. Excessive thickness in the application of either coating evidenced by mudcracking will be cause for the effected area to be stripped of paint, cleaned and repainted.

Where rejection is due to poor workmanship or deficiency in the quality of the work or materials, the Contractor may be required to strip the entire defective sections of all previously applied materials and clean prior to repainting.

Inspection shall be done in the presence of and to the satisfaction of the Engineer.

907-816.04--Method of Measurement. Painting, complete and accepted, will be measured lump sum or per each as provided in the contract.

907-816.05--Basis of Payment. Painting will be paid for at the contract unit price per each or lump sum which will be full compensation for preparation of the surface, for furnishing and applying all materials and for all labor, tools, equipment and incidentals necessary to complete the work.

Payment will be made under:

- 907-816-A: Maintenance Painting of Metal Structures - lump sum
- 907-816-B: Maintenance Painting of Metal Structure - per each
 (_____)
 Location or Description
- 907-816-C: Maintenance Painting of (_____) - lump sum
 Description

SECTION 905

BR-1681-00(012) / 102517

PROPOSAL (Sheet No. 2- 4)

Madison County

| REF. NO. | PAY ITEM NO. | ADJ. CODE | APPROX. QUANTITY | UNIT | DESCRIPTION | UNIT PRICE | | ITEM TOTAL | |
|-------------|-----------------------------|--------------|---------------------|----------------------|--------------------------------------------------------------|------------|------|------------|------|
| | | | | | | DOLLAR | CENT | DOLLAR | CENT |
| (190) | 235-A | | | 101 bale | Temporary Erosion Checks | | | | |
| (200) | 304-A CHANGED 02/17/2004 | (GY) | | 940 cubic yard | Granular Material (LVM) (Class 5, Group C) | | | | |
| (210) | 907-304-H | (GY) | | 952 cubic yard | 3/4" and Down Crushed Stone (LVM) | | | | |
| (220) | 907-403-A | (B) (A1) | | 826 ton | Hot Mix Asphalt, ST, 12.5-mm mixture | | | | |
| (230) | 907-403-A | (B) (A1) | | 604 ton | Hot Mix Asphalt, ST, 19-mm mixture | | | | |
| (240) | 406-A | | | 2,078 square yard | Cold Milling of Bituminous Pavement (All Depths) | | | | |
| (250) | 408-A | (A3) | | 347 gallon | Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1 | | | | |

(10/28/2003)

SECTION 905

BR-1681-00(012) / 102517

PROPOSAL (Sheet No. 2- 8)

Madison County

| REF. NO. | PAY ITEM NO. | ADJ. CODE | APPROX. QUANTITY | UNIT | DESCRIPTION | UNIT PRICE | | ITEM TOTAL | |
|-------------|----------------------------------|--------------|---------------------|--------------------|--------------------------------------------------------------------|------------|------|------------|------|
| | | | | | | DOLLAR | CENT | DOLLAR | CENT |
| (470) | 907-619-K4 | | | 4 each | Installation and Removal of Guardrail (Terminal End Section) | | | | |
| (480) | 907-626-CC CHANGED 02/18/2004 | | | 1 mile | 6" Thermoplastic Edge Stripe (Continuous White) (60 mil. min.) | | | | |
| (490) | 907-626-DD CHANGED 02/18/2004 | | | 1 mile | 6" Thermoplastic Traffic Stripe (Skip Yellow) (90 mil. min.) | | | | |
| (500) | 907-627-L | | | 20 each | Two-Way Yellow Reflective High Performance Raised Markers | | | | |
| (510) | 907-628-KK | | | 630 linear foot | 6" High Performance Cold Plastic Edge Stripe (Continuous White) | | | | |
| (520) | 907-628-LL | | | 315 linear foot | 6" High Performance Cold Plastic Traffic Stripe (Skip Yellow) | | | | |
| (530) | 630-F | | | 22 each | Delineators (Guard Rail) (White) | | | | |

(10/28/2003)

SECTION 905

BR-1681-00(012) / 102517

PROPOSAL (Sheet No. 2- 10)

Madison County

| REF. NO. | PAY ITEM NO. | ADJ. CODE | APPROX. QUANTITY | UNIT | DESCRIPTION | UNIT PRICE | | ITEM TOTAL | |
|-------------|-----------------|--------------|---------------------|------|----------------------------------------------------|--------------|------|------------|------|
| | | | | | | DOLLAR | CENT | DOLLAR | CENT |
| (610) | 907-816-A | | | | lump sum Maintenance Painting of Bridge Structures | XXXXXXXXXXXX | XXXX | | |
| CHANGED | 02/18/2004 | | | | | XXXXXXXXXXXX | XXXX | | |
| | | | | | | XXXXXXXXXXXX | XXXX | | |
| | | | | | | XXXXXXXXXXXX | XXXX | | |

SUBTOTAL - DIRECT PAY ITEMS.....\$ _____