

**SECTION 905 -- PROPOSAL (CONTINUED)**

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

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>  1/19/2021  </u>	ADDENDUM NO.	<u>          </u>	DATED	<u>          </u>
ADDENDUM NO.	<u>  2  </u>	DATED	<u>  1/21/2021  </u>	ADDENDUM NO.	<u>          </u>	DATED	<u>          </u>
ADDENDUM NO.	<u>          </u>	DATED	<u>          </u>	ADDENDUM NO.	<u>          </u>	DATED	<u>          </u>

Number	Description
1	Revised Wage Rates; Amendment EBSx Download Required.
2	Added Special Provisions 907-618-8 and 907-804-9; Revised Table of Contents; Revised Bid Items; Amendment EBSx Download Required.

TOTAL ADDENDA:   2    
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

BY \_\_\_\_\_  
Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(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.  
NHPP-0008-03(057) 108137/301000  
Rankin County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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**PROJECT: NHPP-0008-03(057)/108137301 - Rankin**

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OF SECTION 905 AS ADDENDA)

01/21/2021 01:27 PM

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-618-8

CODE: (SP)

DATE: 07/31/2019

SUBJECT: Work Zone Law Enforcement

Pursuant to House Bill No. 580, Section 618, Maintenance of Traffic and Traffic Control Plan, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-618.01--Description.** After Subsection 618.01.4 on page 443, add the following.

**907-618.01.6--Work Zone Law Enforcement.** On projects that the Commission determines are on high-volume roadways or are otherwise high risk projects, the Commission may include a pay item to provide for reimbursement to the Contractor for enhanced law enforcement safety operations in the work zone.

When the Work Zone Law Enforcement pay item is included, the Contractor may enter into an agreement with a law enforcement agency having jurisdiction in the work zone, to provide work zone safety operations. If the Contractor is unable to reach a mutually acceptable agreement with a local law enforcement agency after good faith negotiations, then officers from the Mississippi Department of Transportation Office of Law Enforcement (MDOT Law Enforcement) may be utilized.

According to House Bill No. 580, the work zone safety operations, when required by the Commission, shall consist of utilizing a uniformed law enforcement officer equipped with a patrol vehicle with blue flashing lights to enforce traffic laws and provide for an enhanced law enforcement presence in order to facilitate the safe movement of traffic through the work zone and to protect workers within the work zone.

**907-618.03--Construction Requirements.** After Subsection 618.03.5 on page 447, add the following.

**907-618.03.7--Work Zone Law Enforcement.** When the Work Zone Law Enforcement pay item is included, the utilization of work zone law enforcement shall be done at such locations and time periods deemed necessary and appropriate by the Engineer, after discussion with the Contractor. The work zone law enforcement will be required until the given/selected phase of work is completed, whether it is before or after the expiration of contract time. After the expiration of contract time, all costs for work zone law enforcement shall be the responsibility of the Contractor.

The Contractor shall be responsible for any and all coordination with the law enforcement agency. The Department will not be a party to any agreement between the Contractor and any local law enforcement agency.

At the end of each estimate pay period, the Contractor shall provide a daily work record of the actual hours of work performed by the law enforcement agency and shall be accompanied by signed invoices from the law enforcement agency, which must be verified by the Engineer. If MDOT Law Enforcement is used, no records will be required by the Contractor.

**907-618.04--Method of Measurement.** After the last paragraph of Subsection 618.04 on page 449, add the following.

Work zone law enforcement, other than MDOT Law Enforcement, will be measured per hour for every hour verified by the Engineer using an invoice or other acceptable record. Measurement for payment will not be made for work zone law enforcement after expiration of contract time.

Payment for MDOT Law Enforcement will be made under pay item 907-618-M2. MDOT Law Enforcement will send an invoice or other acceptable record to the Project Engineer who will verify the hours for payment. Payment will be made to the Contractor under pay item 907-618-M2 and then deducted from the Contractor's monthly estimate as a line item deduction. After the completion of contract time, no payment will be made under pay item 907-618-M2 but deductions from the monthly estimate will continue until law enforcement is no longer needed.

**907-618.05--Basis of Payment.** After the third paragraph of Subsection 618.05 on page 449, add the following.

Work zone law enforcement, measured as prescribed above, will be paid for at the fixed contract unit price per hour, which price shall be full compensation for furnishing and reimbursing work zone law enforcement.

Regardless of the terms of any agreement reached between the Contractor and the law enforcement agency, the Commission will not reimburse the Contractor for any amount over the fixed contract price shown in the pay item for work zone law enforcement.

If MDOT Law Enforcement is used, the hours charged by MDOT Law Enforcement will be verified by the Contractor and deducted from the Contractor's estimate.

After the last pay item listed on page 450, add the following.

907-618-M2: Work Zone Law Enforcement - per hour

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-804-9**

**CODE: (IS)**

**DATE: 05/21/2020**

**SUBJECT: Concrete Bridges and Structures**

Section 804, Concrete Bridges and Structures, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-804.02--Materials.**

**907-804.02.3—Non-Quality Control / Quality Assurance Concrete.**

Delete the third sentence of the first paragraph on page 936 and substitute the following.

The Contractor is required to submit mixture designs to accomplish this work in accordance with Section 804 and perform normal Quality Control functions in accordance with Table 4, Contractor’s Minimum Requirements for Quality Control, Items A and B.

**907-804.02.6--Classification and Uses of Concrete.** After the last class of concrete listed in Section 804.02.6 on page 938, add the following.

- 10) Class BDX - Concrete for bridge decks (4,500 psi)

**907-804.02.10--Hydraulic Cement Concrete Mixture Design.** Add the following to Table 3 in Subsection 804.02.10 on page 941.

BDX	Bridge Deck <sup>1</sup>	57 or 67	0.42-0.45	4500	5 [-2.5]	4.5±1.5 6.5±1.5	N/A
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Delete footnote 1 of Table 3 in Subsection 804.02.10 on pages 941 & 942 and substitute the following.

<sup>1</sup> An approved synthetic structural fiber meeting the requirements of Subsection 711.04 shall be incorporated into the mixture at 1.25 times the approved dosage rate. For each additional pound of fibers per cubic yard added in excess of the requirement stated above, an additional inch of slump will be allowed up to a maximum permitted slump of eight (8) inches.

For Class BD, the maximum cementitious material content shall be 550 pounds per cubic yard

For Class BDX, the maximum cementitious material content shall be 564 pounds per cubic yard.

Delete footnote 3 of Table 3 in Subsection 804.02.10 on page 942 and substitute the following:

<sup>3</sup> The design slump selected by the Contractor for the mixture design approval is the maximum slump permitted.

Delete the last sentence of the first paragraph on page 942 and substitute the following.

Other hydraulic cements may be used in accordance with the specifications listed in Section 701. Other small coarse aggregate sizes meeting the requirements of Subsection 703.03.2.4 may be used in conjunction with the coarse aggregate sizes listed in Table 3.

**907-804.02.13.1.4--Yield.** Delete the first sentence of Subsection 804.02.13.1.4 on page 953 and substitute the following.

If the yield of the concrete mixture is more than plus or minus three percent ( $\pm 3\%$ ) of the design volume, the mixture design shall be adjusted by a Class III Certified Technician representing the Contractor to yield the correct volume, plus or minus three percent ( $\pm 3\%$ ).

**907.804.02.13.1.7--Static Segregation.** Delete the second sentence of Subsection 804.02.13.1.7 on page 954 and substitute the following.

If the static segregation of the concrete mixture design exceeds this requirement, the mixture design shall be adjusted by a Class III Certified Technician representing the Contractor to ensure a static segregation in conformance with the requirement in Table 3.

**907-804.03--Construction Requirements.** Delete Subsection 804.03.16.1 on pages 970 & 971, and substitute the following.

**907-804.03.16.1--Cold Weather Concreting.** Cold weather is defined as three consecutive days when there is a probability that the daily average of the highest and lowest ambient temperatures is expected to be less than 40°F. This three-day forecast shall be based on the latest information available from the National Weather Service.

**907-804.03.16.1.1--Mixture Acceptance Temperature.** For the purpose of job site acceptance temperature in accordance with Subsection 804.02.13.1.5, in cold weather, the acceptance temperature of the concrete when delivered to the job site shall conform to the temperature limitations of “Temperature Limitations on Concrete when Delivered to Job Site” listed in Table 8 below.

**TABLE 8  
COLD WEATHER TEMPERATURE LIMITATIONS ON CONCRETE  
WHEN DELIVERED TO JOB SITE**

Section thickness in the least dimension inches	Jobsite Acceptance Temperature Range °F
Less than 12	55 to 75
12 to 36	50 to 70
36 to 72	45 to 65
Greater than 72	40 to 60

**907-804.03.16.1.2--Structure Concrete Protection.** The Contractor shall assume all risk and added cost connected with the placing and protecting of concrete during cold weather. Permission given by the Engineer to place concrete during such time will in no way relieve the Contractor of responsibility for satisfactory results. Protection of the concrete shall be accomplished in accordance with the requirements in Subsection 907-804.03.16.1.2.1. If approved by the Engineer, the protection of the concrete may be accomplished in accordance with the requirements in Subsection 907-804.03.16.1.2.2. In either case, should it be determined at any time that the concrete placed under such conditions is unsatisfactory, it shall be removed and replaced with satisfactory concrete by the Contractor without extra compensation.

Before placing concrete, all ice or frost shall be removed from the forms and reinforcement.

In the case of concrete placed directly on or in the ground, such as for footings or bottom slabs, protection and curing during cold weather may be provided as set for concrete pavement under Subsection 501.03.20.3.

**907-804.03.16.1.2.1--Enclosure Method.** The Contractor shall have available on the project the approved facilities necessary to enclose uncured concrete and to keep the temperature of the air inside the enclosure between 50°F and 100°F for the duration of the cold weather period. The Contractor shall use such heating equipment such as stoves, salamanders, or steam equipment as deemed necessary to protect the concrete. When dry heat is used, means of maintaining atmospheric moisture shall be provided.

The Contractor shall install the temperature sensors and other appurtenances to measure and record the temperature history of the air inside the enclosure. The Contractor shall be able to determine the temperature history of air inside the enclosure while remaining outside the enclosure

In the event that the Contractor's enclosure method does not successfully maintain the air temperature within the required range, the Contractor shall suspend additional concrete placements until either 1) such time that changes in the enclosure method are demonstrated to successfully maintain the required temperatures during other periods of cold weather, or 2) such time that concrete placements are not conducted during periods of cold weather.

If the air temperature inside the enclosure at the end of the protection period is more than 20°F greater than the ambient temperature, the Contractor shall 1) stop using heating equipment, 2) leave the enclosure undisturbed, and 3) allow the air temperature inside the enclosure to decrease to within 20°F of the ambient temperature before disturbing or removing the enclosure.

**907-804.03.16.1.2.2--Insulating Blanketing Method.** At the option of the Contractor with the approval of the Engineer, an approved insulating blanketing material capable of maintaining the temperature of the concrete at or above 40°F may be used to protect the work. The insulating blanketing material shall remain in place until both 1) the required concrete strength in Table 6 is achieved as determined using the Maturity Method in accordance with Subsection 804.03.15, and 2) the temperature differential between the ambient temperature and the internal concrete temperature determined by the maturity meter does not exceed 20°F.



In the event the Engineer does not approve of using the Insulating Blanketing Method, the Contractor shall use the Enclosure Method per Subsection 907-804.03.16.1.2.1.

**907-804.03.16.1.2.3--Batching Considerations.** One or more of the aggregates and/or mixing water may be heated. The aggregates may be heated by steam, dry heat, or by placing in the mixing water that has been heated. Frozen aggregates shall not be used. When either aggregates or water are heated above 100°F, the aggregates and water shall be combined first in the mixer before the cement is added to avoid flash set. Cement shall not be mixed with water or with a mixture of water and aggregate having a temperature greater than 100°F.

The use of salt or other chemical admixtures in lieu of heating will not be permitted.

**907-804.03.17--Curing Concrete.**

**907-804.03.17.1--Water with Waterproof Cover.** In the second sentence of the fourth paragraph of Subsection 804.03.17.1 on page 973, delete the word “due”.

Delete the first sentence of the fifth paragraph of Subsection 804.03.17.1 on page 973, and substitute the following.

The Contractor shall maintain the burlap in a fully wet condition using powered fogging equipment, such as a commercially available pressure washer, which is capable of producing a fog spray of atomized droplets of water (i.e., producing a very fine and gentle mist that looks like a foggy morning) until the concrete has gained sufficient strength to allow foot traffic without the foot traffic marring the surface of the concrete.

Delete the seventh paragraph of Subsection 804.03.17.1 on page 973, and substitute the following.

If there is an unanticipated delay in the placement of the first layer of saturated burlap outside the time limit which is due to unforeseen events which are not a part of the Contractor’s curing operations for meeting the requirements of this Subsection and which are outside the direct control of the Contractor, the struck-off and finished concrete shall be kept wet by use of the powered fogging equipment used to keep the burlap wet as described previously in the Subsection.

In the second sentence of the eighth paragraph of Subsection 804.03.17.1 on page 973, replace the word “like” with “such as”.

**907-804.03.17.1.2--Liquid Membrane.** In the first sentence of the first paragraph of Subsection 804.03.17.1 on page 973, replace “polyethylene sheets” with “white polyethylene sheets.”

**907-804.03.19.7--Finishing Bridge Decks.**

**907-804.03.19.7.1--General.** Delete the second paragraph of Subsection 804.03.19.7.1 on page 985, and substitute the following.

In the event a method is not designated on the plans, the Contractor may use either the Longitudinal Method in accordance with Subsection 907-804.03.19.7.2 or the Transverse Method in accordance

with Subsection 907-804.03.19.7.3.

**907-804.03.19.7.2--Longitudinal Method.** Delete the first sentence of the first paragraph of Subsection 804.03.19.7.2 on page 985, and substitute the following.

The longitudinal method may only be used for repairs to bridge decks or bridge widening projects.

**907-804.03.19.7.3--Transverse Method.** Before the first sentence of the first paragraph of Subsection 804.03.19.7.3 on page 986, add the following.

The transverse method shall be used for construction of new bridge decks and may be used for bridge deck repair or bridge widening.

**907-804.05--Basis of Payment.** Delete the first and second pay items listed on page 999, and substitute the following.

907-804-A: Bridge Concrete, Class \_\_\_\_\_ - per cubic yard

907-804-B: Box Bridge Concrete, Class \_\_\_\_\_ - per cubic yard

Bridge Rail Replacement on US 49 N to I-20 W Flyover (Bridge No. 30), known as Federal Aid Project No. NHPP-0008-03(057) / 108137301 in Rankin County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
<b>Roadway Items</b>					
0010	202-B215		2	Each	Removal of Sign Including Post & Footing
0020	202-B240		2,600	Linear Feet	Removal of Traffic Stripe
0030	234-A001		1,000	Linear Feet	Temporary Silt Fence
0040	237-A002		200	Linear Feet	Wattles, 20"
0050	503-C001		1,466	Linear Feet	Saw Cut, 1-inch
0060	601-B001	(S)	1	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0070	618-A001		1	Lump Sum	Maintenance of Traffic
0076	907-618-M2001		600	Hours	Work Zone Law Enforcement [\$60.00]
0080	619-A1005		10,193	Linear Feet	Temporary Traffic Stripe, Continuous White, Type 1 Tape
0090	619-A2006		1,958	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Type 1 Tape
0100	619-A3006		69	Linear Feet	Temporary Traffic Stripe, Skip White, Type 1 Tape
0110	619-A5003		2,065	Linear Feet	Temporary Traffic Stripe, Detail, Type 1 Tape
0120	619-C6001		101	Each	Red-Clear Reflective High Performance Raised Marker
0130	619-D1001		40	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0140	619-D2001		1,529	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0150	619-E1001		6	Each	Flashing Arrow Panel, Type C
0160	619-F1001		2,300	Linear Feet	Concrete Median Barrier, Precast
0170	619-G4005		90	Linear Feet	Barricades, Type III, Single Faced
0180	619-G5001		538	Each	Free Standing Plastic Drums
0190	619-G7001		8	Each	Warning Lights, Type "B"
0200	619-J1003		1	Each	Impact Attenuator, 50 MPH
0210	619-J2003		1	Each	Impact Attenuator, 50 MPH, Replacement Package
0220	620-A001		1	Lump Sum	Mobilization
0230	626-A002		1,390	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0240	626-B001		4,193	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0250	626-C001		2,065	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0260	626-F002		3,732	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
0270	626-G004		3,592	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0280	626-G005		1,048	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0290	627-K001		297	Each	Red-Clear Reflective High Performance Raised Markers
0300	630-A003		41	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0310	630-E004		39	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0320	630-K003		37	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
0330	682-A028		800	Linear Feet	Underground Branch Circuit, AWG 4, 3 Conductor
0340	682-C022		120	Linear Feet	Structure Mounted Branch Circuit, AWG 4, 3 Conductor
0350	682-E001		6	Each	Structure Mounted Junction Box
0360	682-E002		4	Each	Underground Junction Box
0370	699-A001		1	Lump Sum	Roadway Construction Stakes
0380	907-416-A001		10,271	Square Yard	High Friction Surface Treatment
0390	907-416-B001		1	Lump Sum	High Friction Surface Treatment Training
0400	907-619-E3001		9	Each	Changeable Message Sign
0410	907-626-C008		1,957	Linear Feet	Thermoplastic Audible Edge Stripe
0420	907-630-A001		120	Square Feet	Standard Roadside Signs, LED Enhanced
0430	907-673-A001		1	Each	Radar Speed Display Assembly
0440	907-682-A1019		1,650	Linear Feet	Branch Circuit Wire, AWG #4, 3 Conductor
<b>Bridge Items</b>					
0450	907-824-PP008		1,460	Linear Feet	Bridge Repair, New construction of bridge railing and overhang
0460	907-824-PP008		1,460	Linear Feet	Bridge Repair, removal of bridge railing and overhang