

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> 8/19/2019 </u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____

Number	Description
1	Revised Bid Items; Added or Revised Plan Sheets; Amendment EBS Download Required.

TOTAL ADDENDA: 1
(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.

BR-0331-00(014)/ 107866301000

Smith County(ies)

Revised 01/26/2016

Bridge Rehabilitation on SR 481 over Caney Creek, Bridge No. 9.3, known as Federal Aid Project No. BR-0331-00(014) / 107866301 in Smith County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	234-C001		245	Linear Feet	Super Silt Fence
0020	234-F001		120	Linear Feet	Turbidity Barrier
0030	237-A002		400	Linear Feet	Wattles, 20"
0040	618-A001		1	Lump Sum	Maintenance of Traffic
0050	619-A1002		320	Linear Feet	Temporary Traffic Stripe, Continuous White
0060	619-A2002		320	Linear Feet	Temporary Traffic Stripe, Continuous Yellow
0070	619-A4001		160	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0080	619-C7001		4	Each	Two-Way Yellow Reflective High Performance Raised Marker
0090	619-D1001		16	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0100	619-D2001		522	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0110	619-F1001		60	Linear Feet	Concrete Median Barrier, Precast
0120	619-G4001		42	Linear Feet	Barricades, Type III, Double Faced
0130	619-G4005		48	Linear Feet	Barricades, Type III, Single Faced
0140	619-G7001		16	Each	Warning Lights, Type "B"
0150	620-A001		1	Lump Sum	Mobilization
0160	627-L001		4	Each	Two-Way Yellow Reflective High Performance Raised Markers
0170	907-619-E3001		7	Each	Changeable Message Sign
ALTERNATE GROUP AA NUMBER 1					
0180	628-H001		320	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
0190	628-I002		160	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip Yellow
0200	628-J001		320	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP AA NUMBER 2					
0210	907-624-B002		320	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
0220	907-624-C001		160	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip Yellow
0230	907-624-D002		320	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
Bridge Items					
0240	815-A007	(S)	2,050	Ton	Loose Riprap, Size 300
0250	815-E001	(S)	1,350	Square Yard	Geotextile under Riprap
0260	907-202-B001		507	Square Yard	Removal of Bridge Deck, Hydrodemolition
0270	907-417-A001		543	Square Yard	Polymer Cement Surface System
0280	907-804-O001	(S)	41	Cubic Yard	Bridge Deck Overlay Concrete
0290	907-823-A001		154	Linear Feet	Preformed Joint Seal, Type I
0300	907-823-B001		305	Linear Feet	Saw Cut, Type I

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0310	907-824-PP003		15	Square Feet	Bridge Repair, Epoxy Repair
0320	907-824-PP003		228	Square Feet	Bridge Repair, Removal of Bridge Deck
0330	907-824-PP004		1	Lump Sum	Bridge Repair, Bank Reshaping
0340	907-824-PP006		30	Each	Bridge Repair, Bearing Replacement
0350	907-824-PP006		5	Each	Bridge Repair, Cap Cleaning
0360	907-824-PP008		320	Linear Feet	Bridge Repair, Railing Cleaning

ADDENDUM

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS

WORKING SHEET
NUMBER NUMBER

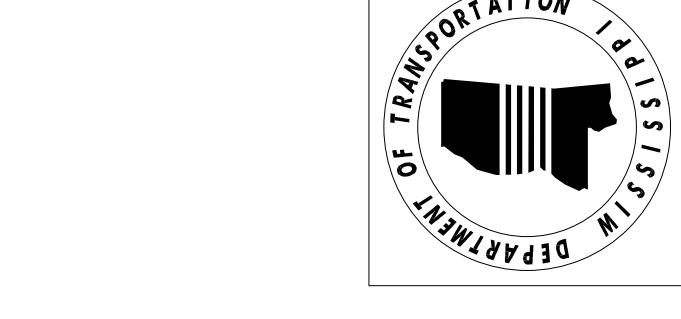
DETAILED INDEX (BRIDGE)	DI-BR-1	8001
SR 481 ACROSS CANEY CREEK (BR. NO. 9.3) BRIDGE AT STA. 148+75.00		
SR 481 ACROSS CANEY CREEK LAYOUT, GENERAL NOTES & ESTIMATED QUANTITIES	1 OF 6	8002
HYDRODEMOLITION REPAIR DETAILS	2 OF 6	8003
JOINT REPAIR DETAILS	3 OF 6	8004
EPOXY MORTAR REPAIR DETAILS	4 OF 6	8005
BANK STABILIZATION DETAILS	5 OF 6	8006
BEARING REPLACEMENT DETAILS	6 OF 6	8007
EROSION CONTROL PLAN	ECBR	8008

SPECIAL DESIGN SHEETS INFORMATION PLANS

WORKING SHEET
NUMBER NUMBER

INFORMATION PLANS ONLY	INFO-1	8009
INFORMATION PLANS ONLY	INFO-2	8010
INFORMATION PLANS ONLY	INFO-3	8011
INFORMATION PLANS ONLY	INFO-4	8012
INFORMATION PLANS ONLY	INFO-5	8013
INFORMATION PLANS ONLY	INFO-6	8014
INFORMATION PLANS ONLY	INFO-7	8015
INFORMATION PLANS ONLY	INFO-8	8016
INFORMATION PLANS ONLY	INFO-9	8017

BRIDGE DIVISION	
REVISIONS	
DATE	BY
07/01/19	8003 OLB
08/13/19	8002 OLB



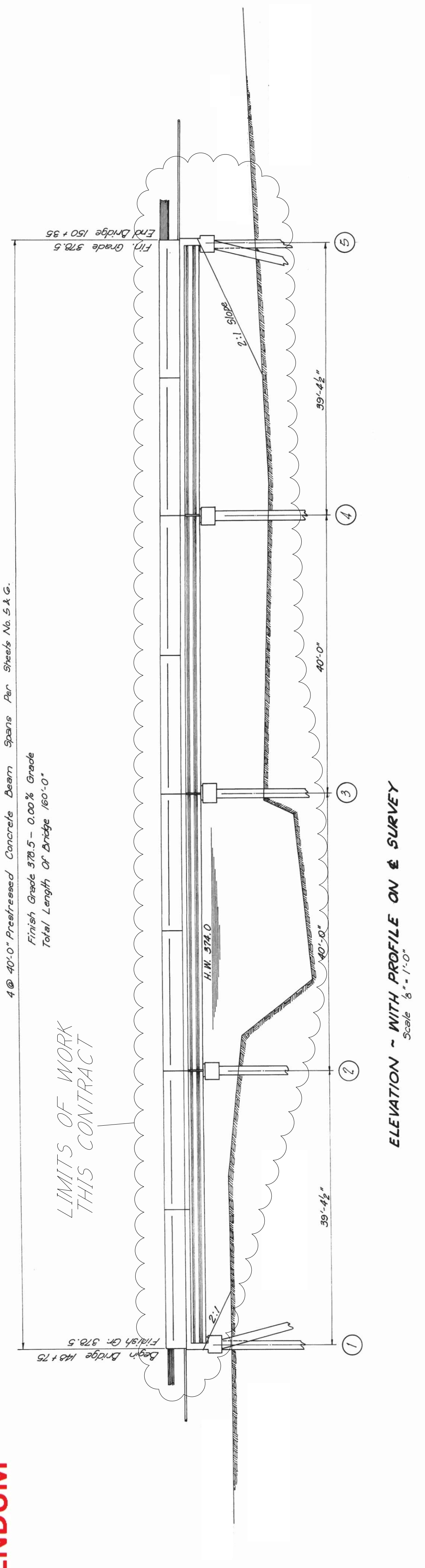
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 148+75.00
SR 481 ACROSS CANEY CREEK
DETAILED INDEX
(BRIDGE)

FMS: 107866 / 301000
COUNTY: SMITH
PROJECT NUMBER: BR-0331-00(014)

DESIGNER	ISSUE DATE	CHECKER
DATE	BY	
REVISION		
BY		

WORKING NUMBER
DI-BR-1
SHEET NUMBER
8001

ADDENDUM



GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction 2017.
 No change of plans will be permitted except by the approval of the Director of Structures, State Bridge Engineer provided such changes will not be cause for contract price adjustment.
 Prior to the construction, all dimensions of the existing structure shall be field verified by the Contractor.
 The Contractor shall be responsible for adjusting the elements of the repair to ensure proper fit with the existing structure.
 Prior to construction, the Contractor shall submit a proposed hydrodemolition plan and a containment plan prior to beginning work to be approved by the Director of Structures, State Bridge Engineer.
 All details are based on the dimensions shown on the original plans for the existing structure for which no pay item is provided in the plans will not be paid for directly and compensation therefor will be included in the prices and payments for bid items.
 Any damage that occurs to the existing structure during the duration of this project shall be repaired to the satisfaction of the Engineer by the Contractor at no additional cost to the State.
 Care should be taken to ensure that no debris falls into the hydraulic crossing below.
 All material removed from the bridge shall become the property of the Contractor and shall be removed from the construction site.

CONCRETE NOTES:

Bridge deck finish shall match existing texture.
 Bridge deck shall be broom finished.
 All existing concrete surfaces that will be in contact with new concrete shall be painted with a cement slurry designed to bond new concrete to old.
 Concrete for the slab shall be in accordance with Special Provision 907-804. The mix design shall be furnished by the Contractor for approval by the Materials Division.
 Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted.
 Bar-Bending Details Shall Be In Accordance With (ACI 315R-94).
 For Detailing Reinforced Concrete Structures Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.

CAP CLEANING NOTE:

Cap cleaning should be performed by removing all large debris by hand. All other debris (dirt and rust) shall be removed by pressure washing the bent caps to the satisfaction of the Project Engineer.
 The pressure washer shall be able to maintain 3,500 psi of pressure.

RAILING CLEANING NOTE:

Railing cleaning should be performed by pressure washing the railings to the satisfaction of the Project Engineer.
 The pressure washer shall be able to maintain 3,500 psi of pressure.

FIELD VERIFICATION NOTE:

All dimensions of the existing structure shall be field verified by the Contractor. The Contractor shall be responsible for adjusting the elements of the new construction to ensure proper fit with the existing structure. The Contractor shall submit verification of the existing bridge elements associated with the items of work described herein to the Director of Structures, State Bridge Engineer for approval prior to any other items of work being done (this shall be considered an absorbed item of work). This shall include, but not be limited to:

- Finish grades of the existing bridge deck on each side of the joints at locations (every 40'-0") that consists of:
 - roadway
 - Right gutter line
 - Left gutter line
- Existing bearing pad dimensions (length, width & height). Existing cap dimensions (length & width). Existing beam end locations from the edge of the cap on both sides. Any other elements that will affect the items of work.

WATERPROOFING ADMIXTURE:

The bridge deck concrete will require a waterproofing admixture in accordance with Section 713.02.4 of the Standard Specifications.

VERTICAL JACKING NOTES:

- The Contractor shall provide adequate bracing and jacking arrangements as required to raise the concrete beam ends 1/4" to 1/2" and replace the existing bearings under girders.
- The Contractor shall employ the service of a Mississippi Registered Professional Engineer who is knowledgeable in the field of Bridge Design. A complete set of bracing and jacking arrangement plans along with design calculations shall be submitted to the Director of Structures, State Bridge Engineer, through the Project Engineer for review prior to construction and shall bear the Design Engineer's Seal.
- All jacks on the bent shall be coupled to a common manifold and the beam ends raised uniformly.
- After the beam ends are raised into position, temporary blocking shall be provided to secure the beams in this position while the new bearings are being installed.
- Temporary blocking points shall be under the bottom flange of the beams and no temporary blocking will be allowed under any diaphragms or the bays.
- Jacking points shall be under the bottom flanges of beams at the bent and no jacking points will be allowed under any diaphragms or the bays.
- Any damage to the bridge resulting from uneven or improper jacking shall be repaired by the Contractor at no additional cost to the State.
- Vertical Jacking shall be performed with or without live load on the bridge.

POLYMER CEMENT SURFACE SYSTEM NOTES:

The patterning of the Polymer Cement Surface System (PCSS) shall be one of the following types:
 a. Raised Checkerboard Pattern
 b. Raised Hexagonal Pattern
 c. Raised Staggered Hexagonal Pattern
 The pattern shall be submitted to the Engineer for approval prior to any work being performed.

INFORMATION PLANS:

For information plans of the existing bridge & roadway
 SP-0331-0(2), see sheet nos. 8009 & 8017.

SCOPE OF WORK:

- Perform hydrodemolition in accordance with the details on sheet no. 8003
- Perform full depth bridge deck repairs in accordance with the details on sheet no. 8003
- Perform concrete overlay and Polymer Cement Surface System in accordance with the details on sheet no. 8003 (Polymer Cement Surface System shall not be installed until overlay concrete has reached a strength of 2,500 psi.)
- Seal all joints in accordance with the details on sheet no. 8004
- Epoxy repair all spalls underneath the bridge accordance with the details on sheet no. 8005.
- Replace all intermediate bent neoprene bearings per details on sheet no. 8007
- Pressure wash and clean all debris from existing caps.
- Pressure wash and clean the bridge railings.
- Perform bank stabilization measures in accordance with the details on sheet no. 8006.

SPECIAL PROVISIONS REQUIRED:

- Removal of Bridge Deck, Hydrodemolition 907-202
- Polymer Cement Surface System 907-417
- Bridge Deck Overlay Concrete 907-804
- Bridge Repair 907-823

ESTIMATED QUANTITIES			
PAY ITEM NO.	DESCRIPTION	QUANTITY	UNIT
815-A007	Loose Riprap, Size 300	2,050	TON
815-E001	Geotextile Under Riprap	1,350	SY
907-202-8001	Removal of Bridge Deck, Hydrodemolition	507	SY
907-417-A001	Polymer Cement Surface System	543	SY
907-804-0001	Bridge Deck Overlay Concrete	41	CY
907-823-4001	Preformed Joint Seal, Type I	154	LF
907-823-8001	Saw Cut, Type I	305	LF
907-824-PP003	Bridge Repair, Removal of Bridge Deck	△ 228	SF
907-824-PP004	Bridge Repair, Epoxy Repair	15	SF
907-824-PP004	Bridge Repair, Bank Reshaping	1	LS
907-824-PP006	Bridge Repair, Cap Cleaning	5	EA
907-824-PP006	Bridge Repair, Bearing Replacement	30	EA
907-824-PP008	Bridge Repair, Railing Cleaning	320	LF

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 148+75.00
 SR 481 ACROSS CANEY CREEK
 LAYOUT, GENERAL NOTES &
 ESTIMATED QUANTITIES
 FMS: 107866 / 301000
 COUNTY: SMITH
 PROJECT NUMBER: BR-0331-00(014)
 WORKING NUMBER
 1 OF 6
 SHEET NUMBER
 8002

REVISION
 DATE
 BY

DESIGNER: Paul Burt
 CHECKER: Paul Burt
 DETAILER: Lon Burt
 ISSUE DATE: 03-12-2019
 PROJECT NUMBER: BR-0331-00(014)
 COUNTY: SMITH
 STATE BRIDGE ENGINEER: [Signature]
 DEPT. OF TRANSPORTATION, ASST. STATE BRIDGE ENGINEER - SOUTH WESTFIELD, P.E.

