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.	1	DATED	1/18/2024	ADDENDUM NO.		DATED	
ADDENDUM NO	2	DATED	1/19/2024	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Revised Wage Rates; Revised or Added Plan Sheet Nos. 8001-8002; Amendment EBSx Download Required.
2	Revised Table of Contents; Revised NTB No. 5569; Deleted SP 907-417-1; Added SP 907-828-1; Revised Bid Items; Revised or Added Plan Sheet Nos. 8001 & 8002; 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.

BR-7314-00(032)/ 107569302000 & BR-7314-00(032)/ 107569302100

Hinds & Rankin County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS

PROJECT: BR-7314-00(032)/1075693020 - Hinds
BR-7314-00(032)/1075693021 - Rankin

PROJECT: **BR-7314-00(032)/1075693020 - Hinds**
BR-7314-00(032)/1075693021 - Rankin

907-701-3	Hydraulic Cement
907-702-4	Bituminous Materials
907-703-2	Gradation
907-705-1	Stone Riprap
907-707-3	Joint Materials
907-711-2	Plain Steel Wire
907-712-1	Fence and Guardrail
907-714-3	Miscellaneous Materials
907-718-1	Timber and Dimension Lumber
907-720-2	Acceptance Procedure for Glass Beads
907-721-4	Materials for Signing
907-804-11	Concrete Bridges and Structures, w/ Supplement
907-808-1	Joint Repair
907-823-7	Preformed Joint Seal
907-824-2	Routine Bridge Repair
907-828-1	Hybrid Polymer Concrete Overlay

906-8	Training Special Provisions

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
Certification of Performance - Prior Federal-Aid Contracts
Certification Regarding Non-Collusion, Debarment and Suspension
SAM.GOV Registration and Unique Entity ID
Section 902 - Contract Form
Section 903 - Contract Bond Forms
Form -- OCR-485

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

01/19/2024 03:34 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5569 **CODE: (SP)**

DATE: 1/19/2024

SUBJECT: Milestone Completion Date

PROJECT: BR-7314-00(032) / 107569302000, 302100 – Hinds & Rankin Counties

Milestone – Interim Completion date. Bidders are advised that this project carries a Project Milestone that is an interim completion date for completion of all work necessary to reopen US 80. This work includes signing of the detour, removal of three spans of the existing bridge, construction of the 3 new bridge spans, installation of the Hybrid Polymer Concrete Overlay, and the application of temporary stripe items. The Contractor will be assessed a penalty in the amount of **$25,000.00** for each calendar day past the milestone completion date until the Milestone Work is complete.

Bidders are further advised that the road shall not be shut down until the steel girders are on site and construction of the new bridge spans is ready to begin. The Milestone Completion Date shall be **270 calendar days after the date that the road is shut down as determined by the Engineer**. The Contractor will be allowed to work 24/7 to complete Milestone Work only.

Final Completion Date. Final completion date to complete all remaining work required in the contract shall be **November 28, 2025** as referenced in Notice to Bidders No. 5489, Contract Time.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-828-1 **CODE: (SP)**

DATE: 05/03/2022

SUBJECT: Hybrid Polymer Concrete Overlay

Sections 907-828, Hybrid Polymer Concrete Overlay, is hereby added to and made a part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-828 -- HYBRID POLYMER CONCRETE OVERLAY

907-828.01--General. This work consists of placing a hybrid polymer concrete overlay system over a concrete surface / bridge deck as indicated on the Plans.

The Contractor shall furnish all submittals indicating the materials, equipment, installation plan and supervision required for the application of the hybrid polymer concrete overlay system to the Director of Structures, State Bridge Engineer through the Project Engineer prior to construction.

907-828.02--Materials. The material used for the overlay shall be the following.

Hybrid Polymer CE700
Manufactured by FasTrac Construction Products
www.fastracproducts.com

907-828.03--Construction Requirements. The hybrid polymer concrete overlay shall be placed at a thickness such that the original grade of the bridge deck shall be raised by the thickness indicated on the Contract Plans. It shall be the Contractor's responsibility to adjust equipment during placement to ensure that the grade requirements are maintained.

A manufacturer's representative shall be present for sufficient time to ensure that the Contractor is properly schooled in surface preparation and placement requirements for the overlay.

Surface preparation shall be performed as per the Manufacturer's recommendations.

Prior to the placement of the hybrid polymer concrete overlay, any areas showing visible signs of spalling or deterioration that would indicate unsound concrete shall be removed with 30 lb. hammers under pay item 907-824-PP: Bridge Repair, Removal of Bridge Deck.

The hybrid polymer concrete overlay shall have a calcined bauxite topping that will produce a friction number of at least 65 in accordance with AASHTO: T 242 using a tire meeting the requirements of AASHTO M 261. The Department will conduct a friction test within 30 days after installation to verify that the material meets a friction number of 65.

907-828.04--Method of Measurement. Hybrid polymer concrete overlay, complete and accepted, will be measured by the cubic yard, determined by calculating the theoretical volume of the overlay.

907-828.05--Basis of Payment. Hybrid polymer concrete overlay, measured as prescribed above, will be paid for at the contract unit price per cubic yard, which price shall be full compensation for all materials, tools, equipment, labor, and incidentals necessary to complete the work.

Payment will be made under:

907-828-A: Hybrid Polymer Concrete Overlay - per cubic yard

Bridge Rehabilitation on US 80 over the Pearl River (Bridge No. 46.4), known as Federal Aid Project No. BR-7314-00(032) / 1075693020 & 3021 in Hinds & Rankin Counties.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			Roadway Items		
0010	237-A002		500	Linear Feet	Wattles, 20"
0020	618-A001		1	Lump Sum	Maintenance of Traffic
0030	619-A1003		2,340	Linear Feet	Temporary Traffic Stripe, Continuous White, Paint
0040	619-A2003		2,340	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Paint
0050	619-A3004		2,340	Linear Feet	Temporary Traffic Stripe, Skip White, Paint
0060	619-D2001		132	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0070	619-G4001		24	Linear Feet	Barricades, Type III, Double Faced
0080	619-G4005		132	Linear Feet	Barricades, Type III, Single Faced
0090	619-G5001		48	Each	Free Standing Plastic Drums
0100	619-G7001		9	Each	Warning Lights, Type "B"
0110	620-A001		1	Lump Sum	Mobilization
0120	626-A002		2,340	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0130	626-C001		2,340	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0140	626-E003		2,340	Linear Feet	6" Thermoplastic Traffic Stripe, Continuous Yellow
0150	627-K001		60	Each	Red-Clear Reflective High Performance Raised Markers
0160	627-L001		30	Each	Two-Way Yellow Reflective High Performance Raised Markers
0170	907-234-A001		3,000	Linear Feet	Temporary Silt Fence
0180	907-234-C001		500	Linear Feet	Super Silt Fence
0190	907-234-F001		500	Linear Feet	Turbidity Barrier
0200	907-619-E3001		7	Each	Changeable Message Sign
0210	907-906001		520	Hours	Trainees [$5.00]
			Bridge Items		
0220	501-K001		1,106	Square Yard	Transverse Grooving
0230	805-A001	(S)	82,928	Pounds	Reinforcement
0240	810-A007	(S)	674,218	Pounds	Structural Steel, A 709, Grade 50W
0250	813-E002	(S)	500	Linear Feet	42" Concrete Bridge Railing
0270	907-804-A001	(S)	396	Cubic Yard	Bridge Concrete, Class BDX
0280	907-808-A002	(S)	108	Linear Feet	Joint Repair
0290	907-823-A002		108	Linear Feet	Preformed Joint Seal, Type II
0300	907-823-B002		108	Linear Feet	Saw Cut, Type II
0310	907-824-C001		27	Each	Cap Cleaning
0320	907-824-PP004		1	Lump Sum	Bridge Repair, Removal of Steel Spans

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	907-824-PP004		1	Lump Sum	Bridge Repair, Retrofit of Bridge Piers
0340	907-824-PP006		32	Each	Bridge Repair, Laminated Bearing Pads
0342	907-828-A001	(S)	126	Cubic Yard	Hybrid Polymer Concrete Overlay

ADDENDUM

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
DETAILED INDEX (BRIDGE)	DI-BR-1	8001
US 80 ACROSS PEARL RIVER BRIDGE AT STA. 481+45.00		
US 80 ACROSS PEARL RIVER LAYOUT, GENERAL NOTES & ESTIMATED QUANTITIES	1 OF 12	8002
PIERS 16 & 19 DETAILS	2 OF 12	8003
PIERS 17 & 18 DETAILS	3 OF 12	8004
SPAN DETAILS	4 OF 12	8005
ADDITIONAL SPAN DETAILS	5 OF 12	8006
SPANS 16 - 18 DETAILS	6 OF 12	8007
SPANS 16 - 18 FRAMING DETAILS	7 OF 12	8008
FIELD SPLICE DETAILS & CAMBER & DEFLECTION DETAILS	8 OF 12	8009
STRUCTURAL STEEL NOTES & STIFFENER DETAILS	9 OF 12	8010
JOINT REPAIR & MISCELLANEOUS SPAN DETAILS	10 OF 12	8011
BEARING ASSEMBLY DETAILS	11 OF 12	8012
RAILING DETAILS	12 OF 12	8013

SPECIAL DESIGN SHEETS INFORMATION PLANS	WORKING NUMBER	SHEET NUMBER
FOR INFORMATION ONLY		8014-8030

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
1/4/24	8002	JAF
1/19/24	8002	AWH

DEPARTMENT OF TRANSPORTATION MISSISSIPPI

MDOT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESIGNED BY: ALEX HAWKINS

DETAILED BY: ALEX HAWKINS

CHECKED BY: NEEL-SCHAFFER

DATE: 2023-10-01

FMS CON: 107569/302000-302100

PROJECT NO.: BR-7314-00(032)

COUNTY: HINDS-RANKIN

BRIDGE AT STA. 481+45.00
US 80 ACROSS PEARL RIVER
DETAILED INDEX

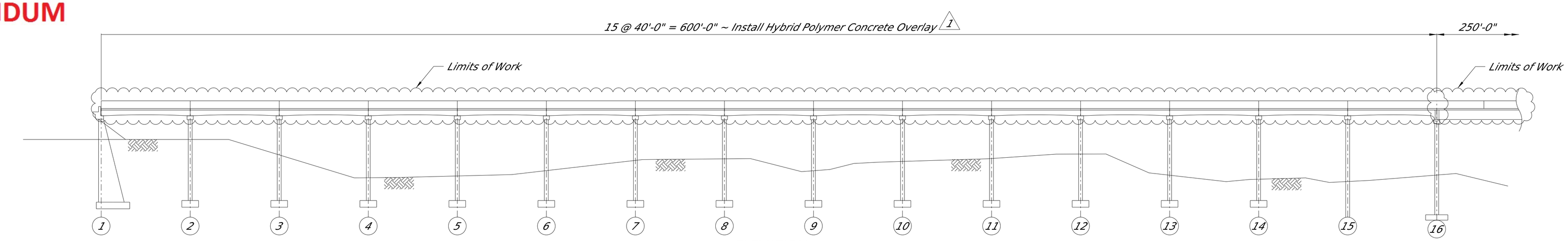
DIR OF STRUCTURES, STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.
DEP. DIR OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - MICAH DEW, P.E.

WK. NO.
DI-BR-1

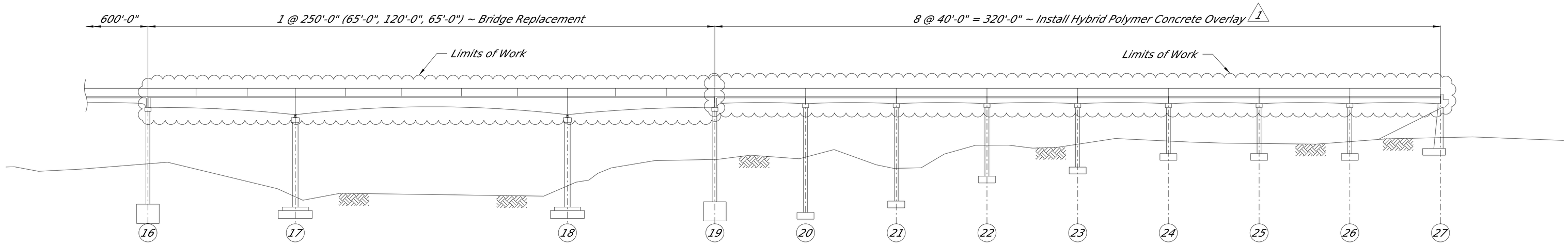
SHEET NO.
8001

DATE 10:28:21 AM Plate Girder Span Details.dgn PLAN SHEET

ADDENDUM



ELEVATION



ELEVATION

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 cause for contract price adjustment.
The final surface texture of the bridge deck shall be mechanically transverse grooved in accordance with sections 501 and 907-804 of the specifications. See span details for limits of transverse grooving on bridge deck.
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.
All details are based on the dimensions shown on the original plans for the existing structure.
Work for which no pay item is provided in the plans will not be paid for directly and compensation therefore 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 river below.
All material removed from the bridge shall become the property of the Contractor and shall be removed from the construction site.

1 SCOPE OF WORK:

1. Steel girder spans shall be removed and replaced with a continuous plate girder span as indicated on sheet nos. 8004-8011. All costs associated with the removal of existing bridge deck, railing, etc. shall be considered absorbed under Pay Item No. 907-824-PP004, Bridge Repair, Removal of Steel Spans, Per Plans.
2. Pedestals shall be installed at Piers 17 & 18 to accomodate new section depths of plate girder span as indicated on sheet nos. 8004-8011.
3. Install Hybrid Polymer Concrete Overlay on concrete approach spans under Pay Item No. 907-828-A001.
4. Seal joints at Piers 16 & 19 after replacement of steel plate girder span as indicated on sheet no. 8009.
5. Clean all caps.

ESTIMATED QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT	HINDS (302000)	RANKIN (302100)	PROJECT TOTAL	
501-K001	Transverse Grooving	SY	553	553	1,106	
907-804-A001	Bridge Concrete, Class BDX	CY	198	198	396	
805-A001	Reinforcement	LBS	41,464	41,464	82,928	2
907-808-A002	Joint Repair	LF	54	54	108	
810-A007	Structural Steel, A709, Grade 50W	LBS	337,109	337,109	674,218	2
813-E002	42" Concrete Bridge Railing	LF	250	250	500	
907-823-A002	Preformed Joint Seal, Type II	LF	54	54	108	
907-823-B002	Saw Cut, Type II	LF	54	54	108	
907-824-C001	Cap Cleaning	EACH	17	10	27	
907-824-PP004	Bridge Repair, Removal of Steel Spans, Per Plans	LS	0.5	0.5	1	
907-824-PP004	Bridge Repair, Retrofit of Bridge Piers, Per Plans	LS	0.5	0.5	1	
907-824-PP006	Bridge Repair, Laminated Bearing Pads, Per Plans	EACH	16	16	32	
907-828-A001	Hybrid Polymer Concrete Overlay	CY	82	44	126	1

EXISTING DIMENSION NOTE:

All dimensions, stationing, curve data, and elevations shown were determined from the original bridge plans.
Prior to construction, all dimensions, stationing, curve data and elevations of the existing structure shall be field verified by the Contractor. The Contractor shall be reponsible for adjusting the elements of the new construction to ensure a proper fit with the existing structures. The Contractor shall submit the verification of existing bridge elements associated with the work items described on Sheet Nos. 8002 to 8012 to the Director of Structures, State Bridge Engineer for review.

1 HYBRID POLYMER CONCRETE OVERLAY NOTES:

1. Hybrid Polymer Concrete Overlay shall be placed in accordance with Special Provision Subsection 907-828.03 and with the approved materials outlined in Special Provision Subsection 907-828.02.
2. The overlay shall be placed at a minimum thickness of $\frac{1}{2}$" and a maximum thickness of 1".
3. All materials and labor associated with this item of work shall be paid for by the cubic yard of overlay under the Pay Item No. 907-828-A001, Hybrid Polymer Concrete Overlay.
4. Hybrid Polymer Concrete Overlay shall be applied to the bridge deck between gutter lines on the spans indicated.

CAP CLEANING NOTE:

Piers 17 & 18 shall be cleaned prior to constructing pedestals. Caps shall be cleaned prior to erection of new steel girders. Cap cleaning for all other bents shall be done after all other work is completed. Cap cleaning shall be done in accordance with Special Provision 907-824.03.3. This item of work shall be paid for under Pay Item No. 907-824-C001 Cap Cleaning.

RETROFIT OF BRIDGE PIERS NOTE:

All items of work and materials related to the installation of pedestals at Piers 17 & 18 will not be paid for directly and shall be considered as an absorbed item of work under Pay Item No. 907-824-PP004, Bridge Repair, Retrofit of Bridge Piers, Per Plans. This includes, but is not limited to, concrete, reinforcement, mechanical splices, and adhesive anchors.

CONTRACTOR SUBMITTALS:

Prior to fabrication and construction, the following shall be submitted to the Director of Structures, State Bridge Engineer through the Project Engineer for approval. No work shall begin until all submittals have been authorized by the Director of Structures, State Bridge Engineer.

FIELD VERIFICATION SUBMITTAL:
All dimensions of the existing structure and clearances 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 existing structure. The Contractor shall submit verification of the existing bridge elements associated with the work items described on sheets 8003-8013. This shall include, but is not limited to:
a. Finish grades of existing bridge.
b. Existing open joint widths at span replacement.
c. Existing cap dimensions.
d. Any other element that will affect the work items described herein (see EXISTING DIMENSION NOTE on this sheet).

DEMOLITION PLAN SUBMITTAL
The Contractor shall submit a proposed demolition plan associated with the work items necessary to remove the steel girder spans prior to beginning work to be approved by the Director of Structures, State Bridge Engineer.

DISTURBANCE NOTE:

Any surrounding area that is disturbed in order to accomplish the work described herin shall be restored to its original condition. There will be no separate payment for this work.

DEBRIS NOTE:

During construction care shall be exercised to ensure that no debris fall into the river below the structure. The debris that is removed from the bridges shall become the property of the Contractor and shall be removed from the construction site.

MAINTENANCE OF TRAFFIC NOTE:

Maintain traffic in accordance with section 618 of the Standard Specifications of Road and Bridge Construction, 2017 Edition, the latest edition of the Manual on Uniform Traffic Control Devices.

1 SPECIAL PROVISIONS REQUIRED:

907-808: Joint Repair
907-823: Preformed Joint Seal
907-824: Cap Cleaning
907-828: Hybrid Polymer Concrete Overlay

INFORMATION PLANS:

Original project no. PWS-284(B)
see sheets no. 8014-8030.

NOTE:

For additional information plans contact Bridge Division.

DESIGN DATA:

Specifications. . . . . .A.A.S.H.T.O., LRFD 2020 9th Edition
Loading. HL-93
Roadway width. . . . . .43'-10" Gutter to gutter
Substructure Concrete. . . . . .Class "AA" (4,000 p.s.i.)
Bridge Deck Concrete. . . . . .Class "BDX" (4,500 p.s.i.)
Stay-in-Place metal forms. . . 18 psf (between flanges)
Reinforcing. . . . . .ASTM A615, Grade 60 (Fy=60 ksi)
Structural steel . . . . . .ASTM A709, Grade 50W (Fy=50 ksi)

	DATE	REVISION	BY
	1/19/24	Revised quantities	AWH
1	1/4/24	Revised Pay Item and Notes	JAF

DEPARTMENT OF TRANSPORTATION MISSISSIPPI

MDOT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESIGNED BY: ALEX HAWKINS
DETAILED BY: ALEX HAWKINS
CHECKED BY: NEEL-SCHAFFER
DATE: 2023-10-01

FMS CON: 107569/302000-302100
PROJECT NO.: BR-7314-00(032)
COUNTY: HINDS-RANKIN

BRIDGE AT STA. 481+45.00
US80 ACROSS PEARL RIVER LAYOUT,
GENERAL NOTES & ESTIMATED QUANTITIES

DIR OF STRUCTURES, STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.
DEP. DIR OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - MICAH DEW, P.E.

WK. NO. **1 OF 12**

SHEET NO. **8002**

DATE 10:28:21 AM Plate Girder Span Details.dgn PLAN SHEET