

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 6/21/2017 ADDENDUM NO. DATED
ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised SP No. 907-107-1; Revised or Added Plan Sheet Nos. 8001, 8002, & 8012; 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-0056-01(093)/ 107404301000 & BR-0056-01(093)/ 107404302000

Hinds & Rankin County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-107-1

CODE: (SP)

DATE: 06/13/2017

SUBJECT: Contractor's Erosion Control Plan

Section 107, Legal Relations and Responsibility to Public, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-107.22.1--Contractor's Erosion Control Plan (ECP). Delete the example Narrative in Subsection 107.22.1 on page 65, and substitute the following.

EXAMPLE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
Storm Water Pollution Prevention Plan (SWPPP)
Narrative

General Permit Coverage No: MSR _____
Project Number: _____
County: _____
Route: _____

SITE INFORMATION

This project consists of grading and installing drainage structures necessary to construct approximately 6 miles of parallel lanes on SR 31 between the Hinds County Line and the Rankin County Line.

SEDIMENT AND EROSION CONTROLS

- a) **Vegetative Controls:** Clearing and grubbing areas will be minimized to comply with the buffer zones (minimum of 15 feet along the ROW lines and 5 feet along creeks) as per the contract documents. A combination of temporary and permanent grassing will be used to protect slopes as construction progresses. **Should a disturbed area be left undisturbed for 14 days or more, placement of temporary BMPs (seeding & mulching, silt fences, basins, ditch checks, slope drains, etc.) or permanent erosion control measures (seeding & mulching, riprap, paved ditch, flumes, etc.) will be initiated by the next working day after the land disturbing activities have stopped.**

- b) **Structural Controls:** Gravel construction entrance/exit will be installed near Stations 145+50, 159+50, 164+50 & 172+50. Riprap ditch checks will be constructed at Stations 144+50, 151+75, 162+00 & 166+25. The Concrete washout area will be at Stations 140+25, 152+00 & 168+50.

- c) **Housekeeping Practices:** Structural BMPs will be cleaned out when sediment reaches 1/3 to 1/2 of the height of the BMP. Maintenance and repair of equipment will be performed off-site, material wash out will occur either off-site or within designated wash out areas.

- d) **Post-Construction Control Measures:** As construction is completed, permanent vegetative growth will be established on disturbed soils to improve soil stability and provide a buffer zone for loose material. Paved ditches and flumes will be placed as specified in the ECP to reduce erosion in concentrated flow areas and rip rap will be placed as specified to dissipate flow energy and reduce flow velocity.

IMPLEMENTATION SEQUENCE

Perimeter controls will be installed first. Clearing and grubbing will be performed in 19-acre sections beginning at the BOP and temporary grassing will be installed as needed. Temporary erosion control BMPs will be installed at the drainage structures prior/during construction of the drainage structures. Grading activities will commence at the BOP and proceed towards the EOP, fill slopes will be permanently grassed in stages for fill heights that exceed 5 feet. Base materials will be installed on completed grading sections with the paving to follow.

MAINTENANCE PLAN

All erosion and sediment control practices will be checked for stability and operation following every rainfall but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed. Sediment basins will be cleaned out when the level of sediment reaches 2.0 feet below the top of the riser. Sediment will be removed from **the front/upstream end of the BMPs** when it becomes about 1/3 to 1/2 height of BMP.

Prime Contractor's Signature

Date

Printed Name

Title

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0056-01(093)

SPECIAL DESIGN SHEETS **SPECIAL DESIGN SHEETS** **WORKING SHEET**
EROSION CONTROL **EROSION CONTROL** **NUMBER** **NUMBER** **NUMBER**

EROSION CONTROL PLAN

ECP-1

8063

SPECIAL DESIGN SHEETS **WORKING SHEET** **SHEET**
INFORMATION PLANS **NUMBER** **NUMBER**

PROJECT NO. FU-056-1(19)

INFORMATION ONLY PLAN	LT LN ELEVATION	8013
INFORMATION ONLY PLAN	RT LN ELEVATION	8014
INFORMATION ONLY PLAN	INT. BENTS 16 & 19	8015
INFORMATION ONLY PLAN	INT. BENTS 17 & 18	8016
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8017
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8018
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8019
INFORMATION ONLY PLAN	PS-4 (3-15-62)	8020
INFORMATION ONLY PLAN	PB-3 (3-15-62)	8021
INFORMATION ONLY PLAN	PB-A1 (9-21-64)	8022
INFORMATION ONLY PLAN	CB-16 (10-13-58)	8023
INFORMATION ONLY PLAN	EB-37-3 (1-4-65)	8024
INFORMATION ONLY PLAN	CP-10 (4-24-56)	8025
INFORMATION ONLY PLAN	CP-20 (11-11-63)	8026

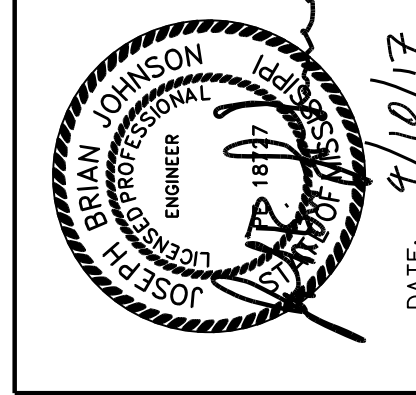
PROJECT NO. FU-056-1(19)

INFORMATION ONLY PLAN	PLAN-PROFILE	8027
INFORMATION ONLY PLAN	LAYOUT OF STABILIZATION	8028
INFORMATION ONLY PLAN	PLAN-PROFILE	8029

PROJECT NO. 46-0056-01-043-11 & 12

INFORMATION ONLY PLAN	ELEVATION	8030
INFORMATION ONLY PLAN	ELEVATION	8031
INFORMATION ONLY PLAN	FOUNDATION LAYOUT	8032
INFORMATION ONLY PLAN	FOUNDATION LAYOUT	8033
INFORMATION ONLY PLAN	FOUNDATION LAYOUT	8034
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INFORMATION ONLY PLAN	FOUNDATION LAYOUT	8036
INFORMATION ONLY PLAN	INT. BENT DETAILS	8037
INFORMATION ONLY PLAN	INT. BENT DETAILS	8038
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INFORMATION ONLY PLAN	SPAN DETAILS	8054
INFORMATION ONLY PLAN	BEAM DETAILS	8055
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INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8057
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8058
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8059
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8060
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8061
INFORMATION ONLY PLAN	300 FT. CONT. SPAN	8062

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
5/23/17	8002 & 8005	JBJ
6/20/17	8002 & 8012	JBJ



DATE: 7/10/17



BY	DATE	REVISIONS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 95+41.37 LT. LN.
 BRIDGE AT STA. 95+41.37 RT. LN.
 DETAILED INDEX
 (BRIDGE)
 PROJECT BR-0056-01(093)
 107404-301000 & 302000
 HINDS/RANKIN COUNTY WORKING NUMBER
 DI-BR

CHECKED BY	B. JOHNSON
DESIGNED BY	J. GLENN
DATE	06/12/2017
DIRECTOR OF STRUCTURES	STATE BRIDGE ENGINEER - JUSTIN WALKER PE
DEP. DIR. OF STRUCTURES	ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.

ADDENDUM

SCOPE OF WORK:

1. Pressure wash and clean all debris from existing caps and bearings.
2. Install a riprap blanket beneath span nos. 11 thru 15 in accordance with details shown on sheet no. 8005.
3. Install pile collars in accordance with details and locations shown on sheet nos. 8006-8009.
4. Replace steel bearings under prestressed concrete girders in accordance with the details shown on sheet no. 8010.
5. Remove all unsound concrete from existing bent caps and repair with epoxy mortar to the original dimensions as shown in the information plans. For proposed repair locations see sheet nos. 8003 and 8004. For patching details and epoxy mortar notes see sheet no. 8011.
6. Remove all unsound concrete from existing bent caps and reinforce with FRP wrap to the limits shown in these plans. For proposed repair locations see sheet nos. 8003 and 8004. For FRP wrap notes and details see sheet no. 8012.
7. Reinforce pile 3, bent 16L (Bridge 1.7A) with FRP wrap to the ground line in accordance with notes shown on sheet no. 8012.
8. Reinforce the footing strut at bent 18R (Bridge 1.7B) with FRP wrap in accordance with notes shown on sheet no. 8012.
9. Install preformed joint seals at all open joints in accordance with details shown on this sheet.
10. Abrasive blast and paint all structural steel members in span nos. 16 thru 18.

GENERAL NOTES:

1. Specifications: Mississippi Standard Specifications for Road and Bridge Construction, 2017.
2. No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes of detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not cause for contract price adjustment.
3. Prior to construction, dimensions and elevations of the existing structures 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.
4. For the duration of the project, care shall be exercised to ensure that no debris fall into the river channel. The debris that is removed from the bridge shall become the property of the Contractor and shall be removed from the construction site.
5. Any damage that occurs to the existing structures during the duration of the project shall be repaired to the satisfaction of the Project Engineer by the Contractor at no additional cost to the State.
6. Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefore will be included in the prices and payments for bid items.
7. The Contractor should be aware that additional minor items of repair work not specifically listed may be necessary to complete the items to be repaired and that compensation therefore will be included in the prices and payments for bid items.
8. All dimensions and details for the new structure shall be in accordance with the original plans that are attached as information plans except as otherwise noted in these plans.
9. All areas of concrete that will be in contact with new concrete shall be coated with epoxy binder designed to bond new concrete to old. Epoxy shall be applied according to manufacturer's directions.
10. Drawings and calculations for the proposed structure jacking plan and paint containment system shall be submitted in duplicate to the Director of Structures, State Bridge Engineer, for approval prior to the construction.
11. All concrete shall be class "AA".
12. Exposed surfaces of new concrete shall receive a Class I finish in accordance with the specifications.
13. Match existing finish as nearly as possible.
14. Chamfer all concrete edges $\frac{1}{4}$ unless otherwise noted.
15. Steel reinforcement shall be ASTM A615, Grade 60, unless otherwise noted.
16. Bar bending details shall be in accordance with "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 315-80).
17. Reinforcement order lists and required placing plans shall be furnished in accordance with Section 805 of The Mississippi Standard Specifications. Partial submittals are not acceptable.

ABRASIVE BLASTING AND PAINTING:

All structural steel members shall be abrasive blasted, as referenced in section 907-845-03-7-6, of the specifications and repainted. The square footage of 46,800 sq. ft. per bridge (93,600 sq. ft. total) given for this item is for information purposes only and is approximate and will not be measured for payment. Actual square footage may be more or less than given, but shall not be basis for additional compensation. Payment shall be made by the (each) regardless of over-run or under-run of the given square footage.

A containment system shall be required for this project. The Contractor shall design, install and maintain a containment system in accordance with the special provision to assure that the traveling public will not be exposed to construction debris and materials during the cleaning and painting process. The Contractor will be required to properly dispose of all debris at an approved landfill. Incidental work such as project clean up, debris disposal, and other incidental work necessary to complete the project will not be measured for separate payment and will be considered absorbed items.

NOTES:

1. All excess dirt shall be used to fill in any washout spots or to level any low spots as instructed by the Project Engineer. This work shall be considered as an absorbed item in clearing and grubbing.
2. Cap cleaning should be performed by removing all large debris by hand. All other debris (dirt & 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.
3. The debris that is removed from the bridge shall become the property of the contractor and shall be removed from the construction site.

MAINTENANCE OF TRAFFIC:

Maintain traffic in accordance with Section 618 of the Standard Specifications, the latest edition of the Manual on Uniform Traffic Control Devices, and the traffic control sheets included in these plans.

NOTES ON ASSOCIATED ITEMS OF WORK:

808-A001 JOINT PREPARATION

Description: Shall include the work necessary to repair joints in preparation for the placement of new expansion material, as designated in the detail drawings provided. Epoxy mortar shall also be included under this item of work. Removal of existing silicone sealed, compression, and AC sealed joint materials will be paid for directly and shall be considered as absorbed under this item of work. All other requirements shall be in accordance with the applicable provisions of Section 808 of the Specifications and any other sections specified therein.

Basis Of Payment: The accepted quantities will be paid for in linear feet at the contract unit price along the length of the bridge deck on each side of the centerline joint.

907-823-B001 SAW CUT, TYPE I & 907-823-B002 SAW CUT, TYPE II

Description: The saw cut depth shall be equivalent to the installation depth required by the manufacturer's specifications. The saw cut type shall be the same as the preformed joint seal selected.

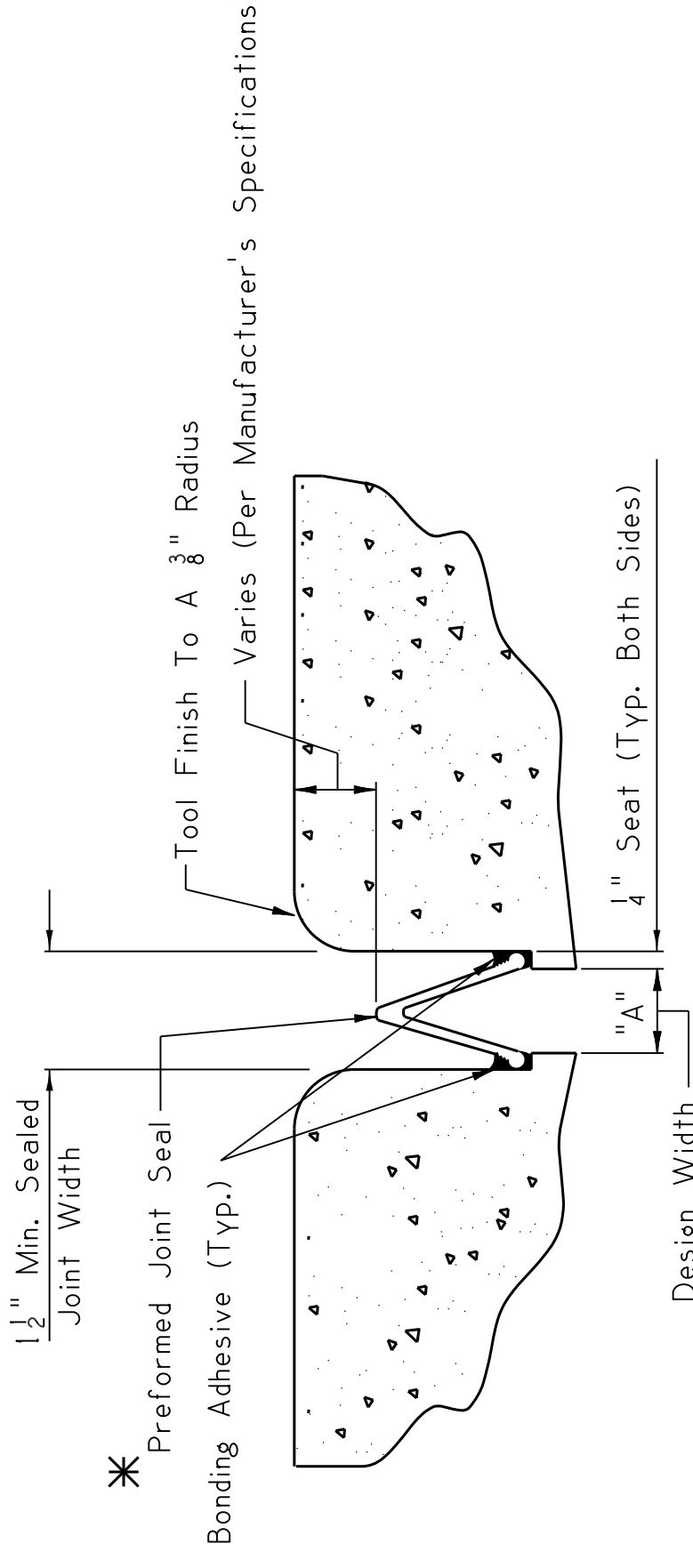
Basis of Payment: The accepted quantities will be paid for in linear feet at the contract unit price along the length of the bridge deck on each side of the centerline joint. It is the Contractor's responsibility to ensure that the proper depth is selected based on the manufacturer's recommendations.

907-823-A001 PREFORMED JOINT SEAL, TYPE I 907-823-A002 PREFORMED JOINT SEAL, TYPE II

Basis Of Payment: The accepted quantities will be paid for in linear feet at the contract unit price along the length of the centerline joint.

EPOXY MORTAR AND POLYMER CONCRETE NOTES:

Either epoxy mortar or polymer concrete may be used. Guidelines for selection of materials can be found in Section 808 of the Specifications.



TYPICAL SECTION AT SAWCUT & SEALED JOINT

Showing Sealed Joint After Sawcut And Repair With Epoxy Mortar

*NOTES:

1. The preformed joint seal shall be one of the following, installed according to the manufacturer's specifications:

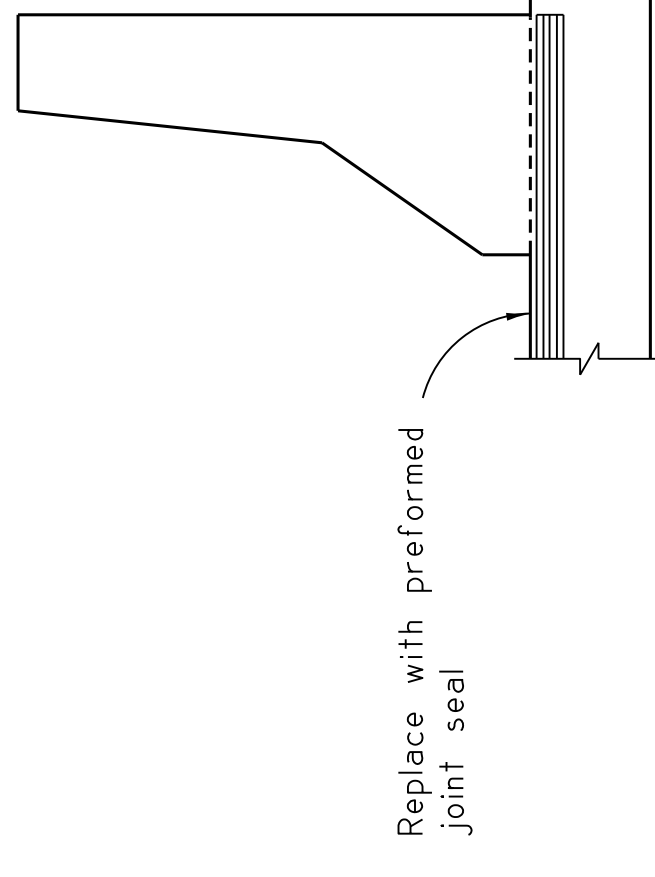
- a. Silicoflex Joint Sealing System
Manufactured By R.J. Watson, Inc. in Alden, NY
www.rjwatson.com
- b. Wabo SPS Joint System
Manufactured by Watson Bowman Acme Corporation in Amherst, NY
www.wbacorp.com
- c. Silspec SSS Silicone Strip Seal
Manufactured by the SSI Commercial & Highway Construction Materials in Houston, TX
www.ssicm.com

2. For estimating purposes, the RJ Watson Silicoflex Joint Sealing System was selected. However, should another supplier be chosen, it is the Contractor's responsibility to ensure that the manufacturer's recommendations are followed for joint preparation, installation depths and widths, adhesive setting times, and any other variances between the specifications provided by the manufacturers. A manufacturer representative shall be present at the time joint sealing begins to ensure that the Contractor is properly schooled in the installation of the joint material.

3. Joints shall be sealed at their design widths, Dimension "A", which is defined as the actual width of the joint opening. The width does not account for the $\frac{1}{4}$ " seal required on both sides of the joint. Preformed Joint Seal, Type I, shall be used for the widths less than 2". Preformed Joint Seal, Type II, shall be used for design widths greater than or equal to 2", with the maximum design width being 2 $\frac{1}{2}$ ". In cases where design widths are greater than 2 $\frac{1}{2}$ ", another type of expansion material shall be required, as directed by the Director of Structures, State Bridge Engineer. It is the Contractor's responsibility to ensure that the size selected is appropriate for the width of the joint.

ESTIMATED QUANTITIES

PAY ITEM NO.	DESCRIPTION	HINDS (301000)	RANKIN (302000)	UNIT	TOTAL
201-A001	Clearing and Grubbing	Lump	Lump	LS	Lump
234-F001	Turbidity Barrier	900	300	LF	1,200
607-B034	84" Type II Chain Link Fence, Class I	100	-	LF	100
607-G004	Gate, 4'x7' Chain Link	1	-	EA	1
607-G124	Gate, 24'x7' Double Chain Link	1	-	EA	1
607-P1024	Line Post, 10'x2' Galvanized Steel	5	-	EA	5
607-P2001	Brace Post, 8'x2 $\frac{1}{2}$ " Galvanized Steel	2	-	EA	2
607-P3014	Gate Post, 11'x3 $\frac{1}{2}$ " Galvanized Steel	4	-	EA	4
620-A001	Mobilization	Lump	Lump	LS	Lump
804-A001	Reinforcement, Class AA	140	72	CY	212
805-A001	Reinforcement	15,847	7,130	LB.	22,977
808-A001	Joint Preparation	3,840	1,800	LF	5,640
815-E009	Loose Riprap, Size 500	18,800	-	Ton	18,800
815-E001	Geotextile Under Riprap	11,600	-	SY	11,600
907-823-A001	Preformed Joint Seal, Type I	1,920	900	LF	2,820
907-823-B001	Saw Cut, Type I	3,840	1,800	LF	5,640
907-824-PP005	Bridge Repair, Epoxy Repair, Per Plans	25	5	CF	30
907-824-PP006	Bridge Repair, Bearing Replacement, Per Plans	290	120	EA	410
907-824-PP008	Bridge Repair, Cap Cleaning	34	17	EA	51
907-824-PP008	Bridge Repair, FRP Wrap, Per Plans	395	150	LF	545
907-845-A001	Coating Existing Structural Steel	Lump	Lump	LS	Lump



ELEVATION AT END OF SPAN



BY	REVISIONS

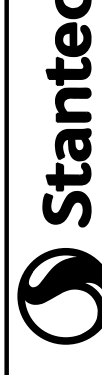
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 95+41.37 LT. LN.
BRIDGE AT STA. 95+41.37 RT. LN.

GENERAL NOTES, JOINT DETAILS
& ESTIMATED QUANTITIES

PROJECT BR-0056-01(093) & 302000
HINDS/RANKIN COUNTY WORKING NUMBER 1 OF 11

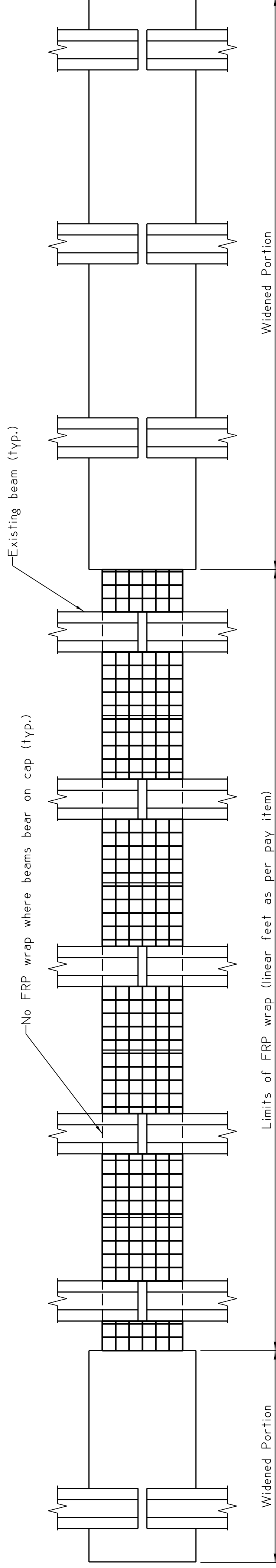
DATE: 4/10/17

CHECKER: B. JOHNSON
DESIGNER: P. GOVILA
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE
DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.



ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0056-01(093)

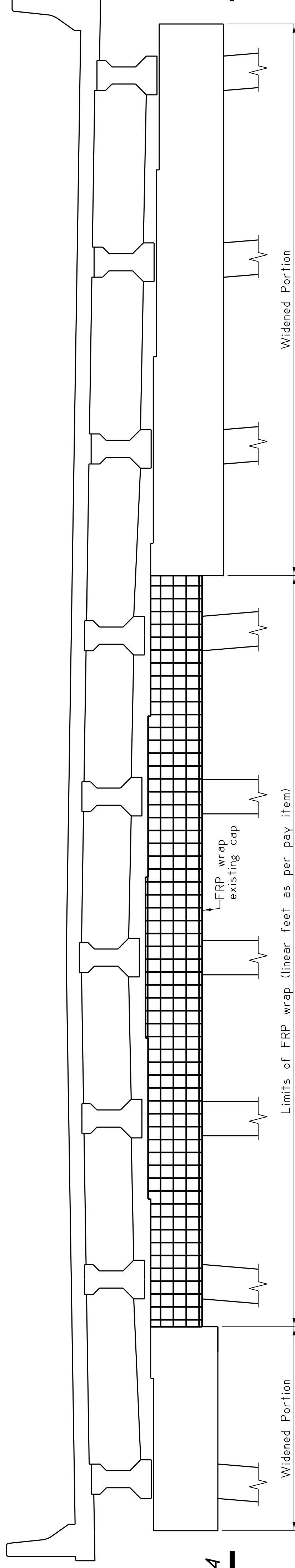


Limits of FRP wrap (linear feet as per pay item)

Widened Portion

Widened Portion

BENT CAP PLAN (TYPICAL)
(Showing FRP wrap)

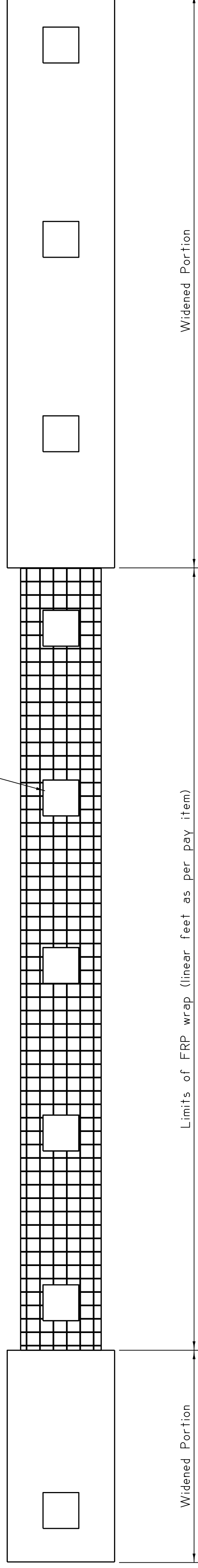


Limits of FRP wrap (linear feet as per pay item)

Widened Portion

Widened Portion

BENT CAP ELEVATION (TYPICAL)
(Showing FRP wrap)



Limits of FRP wrap (linear feet as per pay item)

Widened Portion

Widened Portion

SECTION A-A
(Showing FRP wrap)

FRP WRAP NOTES:

1. FRP wrap shall be one of the following products, or approved equal, and shall be applied according to the manufacturer's recommendations:
a. "FRP Wrap" as manufactured by Fyfe Co. LLC, Nancy Ridge Technology Center
6310 Nancy Ridge Drive, Suite 103, San Diego, CA 92121
telephone number: (658) 642-0694
"FRP Wrap" as manufactured by BASF Building Systems LLC
889 Valley Park Drive, Shakopee, MN 55379
telephone number: (800) 443-9517
"FRP Wrap" as manufactured by OuakeWrap Inc.
2055 E. 17th Street, Tucson, AZ 85719
telephone number: (520) 791-7000
2. The Contractor shall furnish all submittals indicating the materials, tools, equipment, transportation, necessary storage, labor, and supervision required for the application of the composite or polymer system to the Director of Structures, State Bridge Engineer prior to construction.
3. Products shall be stored according to the manufacturer's requirements and shall avoid contact with moisture, dust and chemical exposure.
4. All FRP composite systems shall be proprietary systems consisting of all associated fiber reinforcement and polymer adhesives/resins. FRP composites consisting of fiber reinforcement and polymers provided by more than one manufacturer are not allowed.
5. The FRP composite system shall utilize carbon fiber reinforcement as the primary fiber material (primary structural component).
6. The FRP system shall be top coated with a coating approved by the FRP system supplier. The coating color shall be selected by the Project Engineer to match the coating systems used elsewhere on the project.
7. FRP wraps shall not be installed when the ambient temperature is below 40°F or above 130°F. In cold conditions, auxiliary heat may be applied to raise the ambient temperature to a suitable level. Clean heat sources shall be utilized for this purpose (e.g., electric or propane) that do not contaminate the substrate with carbonation.
8. FRP wraps shall not be installed when surface moisture is present on the substrate or when rainfall or condensation is anticipated in the work areas. If water leakage exists through cracks or concrete joints, water flow shall be stopped prior to FRP installation.
9. Resins (including primers and fillers) shall be mixed according to the FRP system manufacturer's installation instructions. All resin components shall be at a proper temperature and mixed in the manufacturer's prescribed mix ratio until there is a uniform and complete mixing of components. Resin components are often contrasting colors, so full mixing is achieved when color streaks are eliminated. Resins should be mixed for the Manufacturer's prescribed mixing time and visually inspected for uniformity of color.
10. A representative of the FRP wrap manufacturer must be present for sufficient time to assure that the Contractor is properly schooled in the installation of FRP wrap.
11. Prior to installation of FRP wraps, the Contractor shall repair concrete spill areas in accordance with concrete patching details and notes shown on sheet no. 8011.
12. All labor, materials, and surface preparation associated with the installation of FRP wraps, including epoxy mortar repairs, shall be included in pay item 907-824-PP008, Bridge Repair, FRP Wrap.
13. The fibrous reinforcement system shall have a minimum tensile force of 2.1 kips/in in the direction of shear reinforcement.
14. The direction of the fiber wrap shall be in the direction of the shear reinforcement (vertical for bent caps and foundation strut; horizontal for piles).

BY		REVISIONS
6/20/17	Added FRP requirements	JBU

DATE: 7/10/17

Stantec

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 95+41.37 LT. LN.
BRIDGE AT STA. 95+41.37 RT. LN.

BENT CAP FRP WRAP DETAILS

PROJECT BR-0056-01(093)
107404-301000 & 302000

HINDS/RANKIN COUNTY WORKING NUMBER 11 OF 11

SHEET NUMBER **8012**

CHECKED BY: B. JOHNSON
DESIGNED BY: P. GLENN
DATE: 04/12/2017
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE
DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.