

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>8/3/2020</u> | ADDENDUM NO. | <u>4</u> | DATED | <u>9/14/2020</u> |
| ADDENDUM NO. | <u>2</u> | DATED | <u>8/19/2020</u> | ADDENDUM NO. | | DATED | |
| ADDENDUM NO. | <u>3</u> | DATED | <u>8/21/2020</u> | ADDENDUM NO. | | DATED | |

| Number | Description |
|--------|--|
| 1 | Revised Notice To Bidder No. 2698; Revised Bid Sheets; Amendment EBSx Download Required. |
| 2 | Revised Table of Contents; Added Notice to Bidder No. 2782; Amendment EBSx Download Required. |
| 3 | Postponed to September 22, 2020 Letting; Amendment EBSx Download Required. |
| 4 | Revised Table of Contents; Revised Advertisement; Revised Notice to Bidders No. 2697; Revised Notice to Bidders No. 2698; Added NTB 2782; Revised Bid Sheets; Revised Progress Schedule; Amendment EBSx Download Required. |

TOTAL ADDENDA: 4
(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.
STP-0008-04(068) / 108421301000
Holmes County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: STP-0008-04(068)/108421301 - Holmes

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

09/14/2020 02:03 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 901 - ADVERTISEMENT

Electronic bids will be received by the Mississippi Transportation Commission at 10:00 o'clock A.M., Tuesday, September 22, 2020, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor For:

Bridge Repair on US 49 East Over Abiachia Creek (Bridge No. 239.5), known as Federal Aid Project No. STP-0008-04(068) / 108421301 in Holmes County.

The attention of bidders is directed to the Contract Provisions governing selection and employment of labor. Minimum wage rates have been predetermined by the Secretary of Labor and are subject to Public Law 87-581, Work Hours Act of 1962, as set forth in the Contract Provisions.

The Mississippi Department of Transportation hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, age, disability, religion or national origin in consideration for an award.

The award of this contract will be contingent upon the Contractor satisfying the DBE requirements.

The specifications are on file in the offices of the Mississippi Department of Transportation.

Contractors may request permission to bid online at <http://shopmdot.ms.gov> at no cost. Upon approval, Contractors shall be eligible to submit a bid using Bid Express at <http://bidx.com>. Specimen proposals may be viewed and downloaded online at no cost at <http://mdot.ms.gov> or purchased online at <http://shopmdot.ms.gov> at a cost of Ten Dollars (\$10.00) per proposal plus a small convenience fee. Cash or checks will not be accepted as payment.

Bid bond, signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent, with Power of Attorney attached, a Cashier's check or Certified Check for five (5%) percent of bid, payable to STATE OF MISSISSIPPI, must accompany each proposal.

The attention of bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

MELINDA L. MCGRATH
EXECUTIVE DIRECTOR

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2697

CODE: (SP)

DATE: 9/11/2020

SUBJECT: Contract Time

PROJECT: STP-0008-04(068) / 108421301 – Holmes County

The completion of work to be performed by the Contractor for this project will not be a specified date but shall be when all allowable working days are assessed, or any extension thereto as provided in Subsection 108.06. It is anticipated that the Notice of Award will be issued no later than October 13, 2020 and the date for Notice to Proceed / Beginning of Contract Time will be November 12, 2020.

Should the Contractor request a Notice to Proceed earlier than November 12, 2020 and it is agreeable with the Department for an early Notice to Proceed, the requested date will become the new Notice to Proceed date.

91 Working Days have been allowed for the completion of work on this project.

Contract time was established with the assumption that Shop Drawing Submittals and Fabrication will begin upon Notice of Award.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 -NOTICE TO BIDDERS NO. 2698

CODE: (SP)

DATE: 9/11/2020

SUBJECT: Scope of Work

PROJECT: STP-0008-04(068) / 108421301 -- Holmes County

The contract documents do not include an official set of construction plans but may, by reference, include some Standard Drawings when so specified in a Notice to Bidders entitled, "Standard Drawings". All other references to plans in the contract documents and Standard Specifications for Road and Bridge Construction are to be disregarded.

Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not be cause for contract price adjustment. Work for which no pay item is provided will not be paid for directly and shall therefore be considered an absorbed item of work.

It shall be the responsibility of the Contractor to protect the existing structure from damage which might occur during construction. The Contractor shall replace or repair, as directed by the Engineer, any structures damaged by the Contractor's operations during the life of the contract. No payment will be made for replacement or repair of damaged items.

All details are based on the dimensions shown on the original plans for the existing structure. The Contractor shall be responsible for adjusting the elements of the new construction to ensure a proper fit with the existing structure. The Contractor shall verify all dimensions of the existing structure prior to beginning work.

During construction, care shall be exercised to ensure that no debris falls into the hydraulic crossing below the structure. All debris, including any material that has accumulated on the bridge caps, shall become the property of the Contractor and shall be removed from the construction site and disposed of properly.

Work on the project shall consist of the following bridge repairs on Bridge 239.5 (11600) on U.S. Highway 49 East over Abiaca Creek in Holmes County.

Scope of Work Bridge 239.5 (11600)

- Reset Rocker Bearings at End Bent No. 4
- Full depth deck repair at End Bent No. 1 & End Bent No. 4 per the attached standard drawings
- Repair End wall at End Bent No.1 & End Bent No. 4 per the attached standard drawings
- Reseal joints at End Bent No.1 & End Bent No. 4 per the attached standard drawings
- Clean caps at End Bent No.1 & End Bent No. 4

For additional information and details, see work related items below and on the attached Standard Drawings. Also included in this scope of work is a complete set of information (As-Built) plans for the existing bridge.

Reset Bearings:

Bearings at End Bent No. 4 on Bridge 239.5 (11600) shall be lubricated and reset to their original plumb position as shown in the information plans. Prior to removal of the hardware of the recessed bearings bolts, the threads of the recessed bolts shall be lubricated with penetrating oil. After the bearings are reset by relieving the load applied by the superstructure, the bearings shall be lubricated and worked until the rocker bearings swing freely. After the bearings are reset and hardware is re-installed, lubricant shall be applied to threads of the recessed bolts.

The Contractor shall provide adequate bracing and jacking arrangements as required to reset the bearings. The girder ends per bent shall only be raised to 1/4" from their original position. Traffic shall be maintained on the bridge for the duration of the repair.

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.

Jacks shall be coupled to a common manifold. Jacking points shall be under the bottom flange of the girders at the bent and no jacking points will be allowed under any diaphragm or bay. After the girders at a bent are raised into position, temporary blocking shall be provided to secure the girder in this position while work is being performed. Temporary blocking points shall be under the bottom flange of the girder at the bent and no temporary blocking will be allowed under any diaphragm or bay.

Any damage to the bridge resulting from uneven or improper jacking shall be repaired by the Contractor at no additional cost to the State.

Payment for this work shall be made under Pay Items 907-824-PP: Bridge Repair, Reset Rocker Bearings.

Construction Phasing:

The construction of the end wall repair, removal of bridge deck, and new construction of bridge deck shall be done in accordance with the Construction Phasing Details as shown in the Standard Drawings.

Temporary precast concrete barriers shall be anchored to the bridge deck. The Contractor shall submit proposed anchor details, including design calculations stamped by a Mississippi registered Professional Engineer prior to beginning work to be approved by the Director of Structures, State Bridge Engineer. After removal of the temporary precast concrete barriers, all anchor holes shall be cleaned and filled with non-shrink "Sure-Grip Grout" (The Dayton Sure-Grip and Shore Co.), "Supreme Grout" (Gifford-Hill and Co., Inc.), or an approved equal, applied according to the

manufacturer's specifications.

Payment for this work shall be made under Pay Item No. 619-F1001: Precast Concrete Median Barrier, Precast and Pay Item No. 619-F2001: Remove and Reset Concrete Median Barrier, Precast.

End Wall Repair:

The end walls at End Bent No. 1 & 4 for Bridge 239.5 (11600) shall be repaired as shown in the Standard Drawings. The new end wall concrete shall conform to the specifications shown in the Standard Drawings. All work and materials associated with removal and repair of the end walls shall be paid for under Pay Item 907-824-PP008: Bridge Repair, End Wall Repair.

Joint Repair & Sealing

The joints at End Bent No. 1 & 4 shall be repaired and re-sealed in accordance with the details in the Standard Drawings and the notes below.

The removal of all existing joint material, joint preparation, saw cutting, and full depth removal of any debris that may be located inside the open joint, which may include but not be limited to, compacted dirt, rocks, and trash shall be considered absorbed in Pay Item No. 907-824-PP008: Bridge Repair, End Wall Repair and Pay Item No. 907-824-PP003: Bridge Repair, Removal of Bridge Deck.

After the existing joint material has been removed from the joint between the approach slab and end wall, the repair area is to be blasted clean to sound concrete, and is to be repaired as shown in the Standard Drawings. This work will be paid for under Pay Item No.907-808-A002: Joint Repair with Epoxy. The approach slab shall then be saw cut as per the Joint Repair Standard Drawings. Saw cuts will be paid for under Pay Item 907-823-B001: Saw Cut, Type 1.

The joint shall then be sealed by using one of the three approved Manufacturers listed in Special Provision 907-823 and installed according to the Manufacturer's specifications. The installation of the preformed joint seal and other necessary work included in the Standard Drawings or as directed by the Engineer shall be paid for under Pay Item No. 907-823-A. If the bridge has an asphalt approach, the joint between the asphalt and concrete approach slab shall not be disturbed.

Bridge Deck Removal & Replacement

Approximately 2'-0"± of the bridge deck shall be removed in the locations detailed in the Standard Drawings to fully remove the existing joint armor at End Bents No. 1 & 4 on Bridge 239.5 (11600). All new concrete shall be high early strength bridge concrete that meets the details and specifications in the Standard Drawings and shall be class "AA".

Prior to removing the section of bridge deck, all slab reinforcement within the limits of the removal section shall be located by the Contractor. A 1-inch saw cut shall be made one foot from the gutter lines and across the bridge deck prior to concrete removal. Care shall be exercised to protect the existing reinforcement from damage. Any reinforcement damaged during the concrete removal shall be repaired by the Contractor by a method approved by the Director of Structures, State Bridge Engineer at no additional cost to the State. All reinforcement to remain in place shall be

blasted clean prior to pouring new concrete. Removal of concrete shall be done with a handheld chipping hammer no larger than 30 pounds. All existing concrete surfaces that will be in contact with new concrete shall be painted with epoxy binder specifically designed to bond new concrete to old. The epoxy binder shall be applied per the manufacturer's specifications. New epoxy binder shall be placed in one (1) lift.

The new bridge deck surface finish shall match that of the existing deck surface and be in accordance with Sections 501 of the Mississippi Standard Specifications for Road and Bridge Construction, 2017.

The cost of saw cutting around the removal area, removing concrete, cleaning existing reinforcement that is to remain, labor and any other items of work necessary to complete the full depth slab removal that is detailed in the standard drawings shall be paid for under Pay Item 907-824-PP003: Bridge Repair, Removal of Bridge Deck.

The cost of the epoxy binder, new concrete required, new reinforcement required, labor and any other items of work necessary to complete the new construction of the full depth bridge deck area to be replaced shall be paid under Pay Item 907-824-PP003: Bridge Repair, New Construction of Bridge Deck.

General Epoxy Repair

All epoxy repairs shall be performed in accordance with the details shown on the epoxy repair Standard Drawings and in accordance with the notes herein. Repair concrete spalled areas on the bridge as directed by the Project Engineer and the locations listed on the Epoxy Repair Standard Drawings using epoxy mortar. The Contractor shall determine the depth of reinforcement prior to any saw cutting. Spalled areas where pack rust has developed around or on reinforcement shall be blasted clean prior to repairing the spalled location. All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions as shown in the information plans, unless noted otherwise.

Materials:

1. Epoxy Resin: Resin shall be selected from the MDOT Approved Products List.
2. Silica Sand: The materials shall be bagged general purpose cleaning sand.
3. Epoxy Mortar Mix: The epoxy mortar mix shall consist of part liquid epoxy and part clean dry sand mixed in the ratio recommended by the Manufacturer.

Applications:

- a. A Representative of the Epoxy Manufacturer must be present for sufficient time to ensure that the Contractor is properly schooled in the use of the epoxy material.
- b. Prior to placement of the mortar mix, the prepared surface shall be lightly primed with neat epoxy.
- c. Acetone alcohol may be used to clean and lubricate trowels.
- d. Curing time shall be in accordance with the Manufacturer's recommendations.

All items of work related to epoxy repair shall be paid for under pay item 907-824-PP003: Bridge Repair, Epoxy Repair. Epoxy repair under this pay item is for general concrete spall repairs, and

shall be bid such that the item may be increased, decreased or eliminated as directed by the project engineer.

Cap Cleaning

The surface of all caps shall be cleaned to the satisfaction of the Project Engineer after all other work has been completed. All large debris shall be removed by hand. All other debris, including but not limited to dirt and rust, shall be removed by pressure washing the bent caps. The pressure washer shall be able to maintain 3,500 psi of pressure. This work will be paid under Pay Item 907-824-PP006: Bridge Repair, Cap Cleaning.

Traffic Control Plan


The Contractor shall erect and maintain construction signing and provide all signs and traffic handling devices necessary to safely maintain traffic around or through the work areas in accordance with the Traffic Control Plan. All traffic control devices for which there is no pay item are to be paid for under Pay Item No. 816-A001: Maintenance of Traffic.

| | | | |
|-------|------|-------------|------------------|
| STATE | MISS | PROJECT NO. | STP-0008-04(068) |
|-------|------|-------------|------------------|

① CMS BOARDS TO BE PLACED AS DIRECTED BY ENGINEER.

SUMMARY OF QUANTITIES (SHEET 1)

| PAY ITEM NO. | PAY ITEM | UNIT | HOLMES : 108421-301000 | |
|---------------|--|------|------------------------|-------|
| | | | Prelim | Final |
| 618-A001 | Maintenance of Traffic | LS | 1 | |
| 618-B001 | Additional Construction Signs | SF | 1 | |
| 907-619-E3001 | Changeable Message Sign | EA | 2 | |
| 620-A001 | Mobilization | LS | 1 | |
| 907-808-A002 | Joint Repair | LF | 56 | |
| 907-823-A001 | Preformed Joint Seal, Type I | LF | 58 | |
| 907-823-A002 | Preformed Joint Seal, Type II | LF | 58 | |
| 907-823-B001 | Saw Cut, Type I | LF | 58 | |
| 907-824-PP003 | Bridge Repair, New Construction of Bridge Deck | SF | 104 | |
| 907-824-PP003 | Bridge Repair, Removal of Bridge Deck | SF | 104 | |
| 907-824-PP003 | Bridge Repair, Epoxy Repair | SF | 2 | |
| 907-824-PP006 | Bridge Repair, Reset Rocker Bearing | EA | 4 | |
| 907-824-PP006 | Bridge Repair, Cap Cleaning | EA | 2 | |
| 907-824-PP008 | Bridge Repair, End Wall Repair | LF | 52 | |

| | |
|---|---------|
|  | |
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES | |
| Working Number | SQ-1 |
| Sheet Number | 1 |
| PROJ NO: STP-0008-04(068) | |
| COUNTY: HOLMES | |
| FILENAME: SQ-1 | |
| Design Team: SDOI | Checked |
| | Date |

FMS CON: 106421701000
 PROJECT NO.
 STATE MISS. STP-0008-04(068)

1. ADVANCE WARNING SIGNS AND DEVICES SHOWN ARE TYPICAL FOR ALL PHASES OF CONSTRUCTION, COORDINATION MUST BE MAINTAINED WITH OTHER CONSTRUCTION ACTIVITIES REQUIRING ADVANCE WARNING SIGNS. SIGN LOCATIONS AND TYPES ARE TO BE MODIFIED WHEN ADDITIONAL SIGNS ARE REQUIRED FOR CHANNELIZATION, SHIFTS, OR CLOSURES AS REQUIRED FOR VARIOUS OPERATIONS. SIGNS TO REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ARE COMPLETE.
2. SIGNS MAY BE ADJUSTED FOR NECESSARY FIELD CONDITIONS.
3. ALL TRAFFIC CONTROL ITEMS TO BE PAID FOR UNDER 618-A001 MAINTENANCE OF TRAFFIC.
4. ALL W20-1 "AHEAD" SIGNS TO BE PLACED AT A MINIMUM OF 500 FT. IN ADVANCE TO THE POINT OF CONSTRUCTION.

Abiaca Creek

TYPE III BARRICADE
 *(DOUBLE-FACED) (6' WIDE)

| QUANTITIES REQ'D. THIS SHEET |
|---|
| G20-2 2 EACH |
| W20-1 8 EACH |
| TYPE B WARNING LIGHT 2 EACH |
| TYPE III BARRICADE (DOUBLE-FACED) 12 L.F. |

Notice to Bidders No. 2018-08

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DETAIL OF CONSTRUCTION SIGNING

US 49E
 (BR. #239.5)
 PROJ. NO.: STP-0008-04(068)
 COUNTY: HOLMES

DESIGN TEAM: SMITH

DATE: _____

FILE NAME: DCS-1.000

DESIGNER: _____

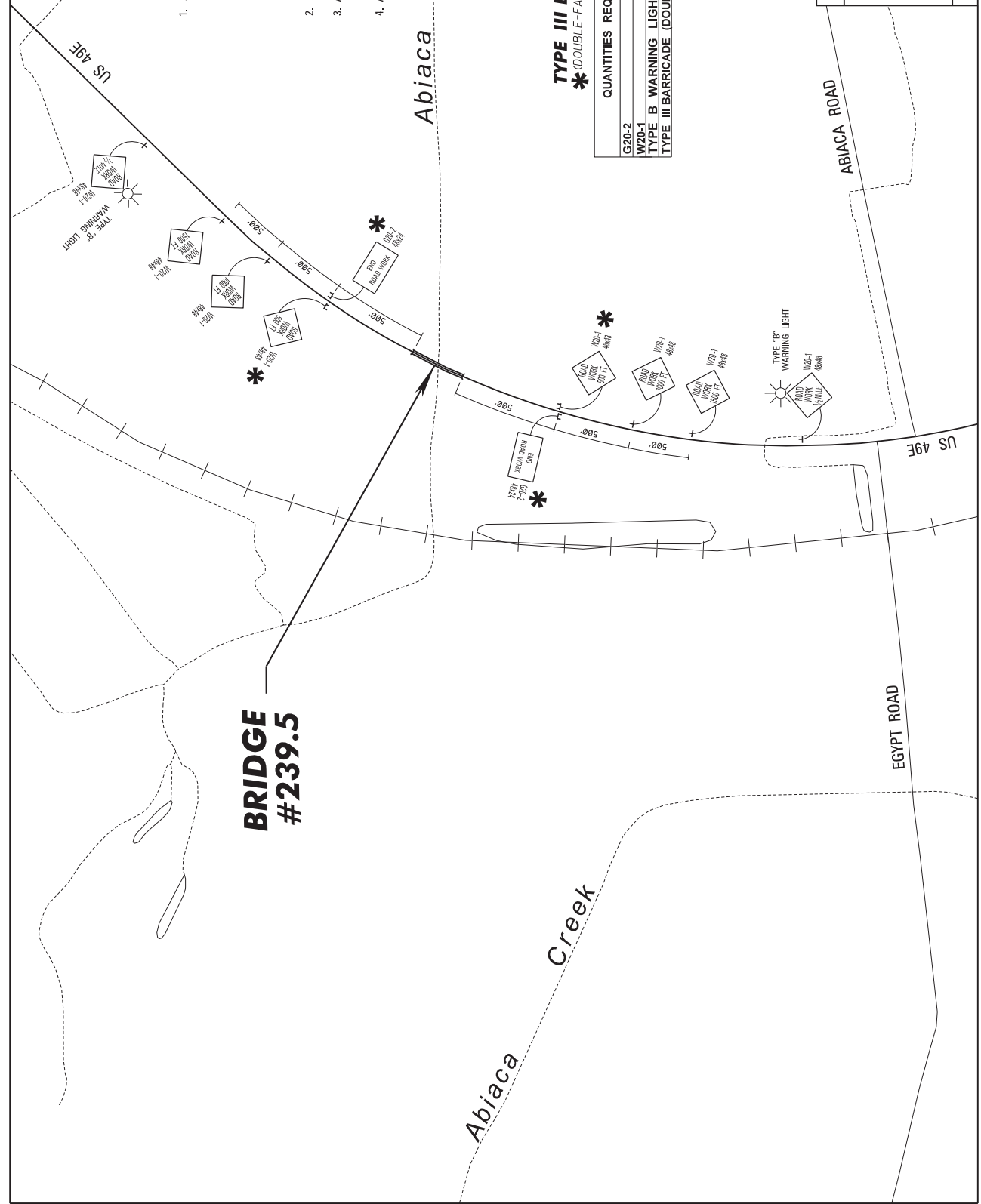
CHECKED: _____

DATE: _____

DESIGN NUMBER: _____

SHEET NUMBER: _____

OF _____



BRIDGE #239.5

Abiaca Creek

ABIACA ROAD

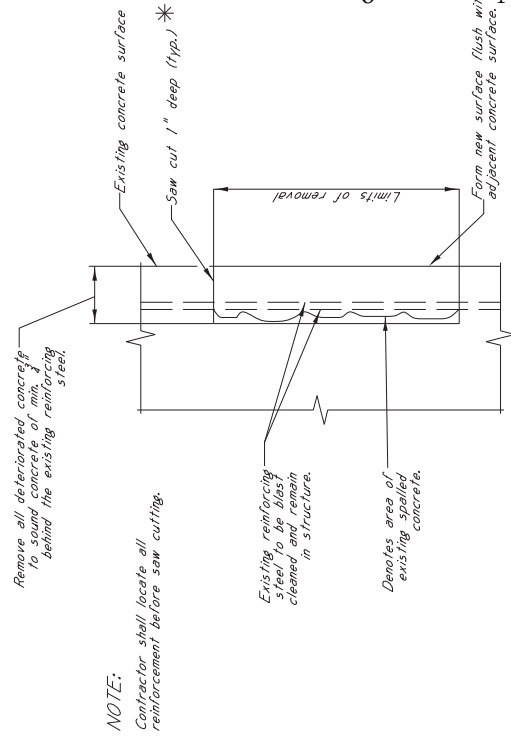
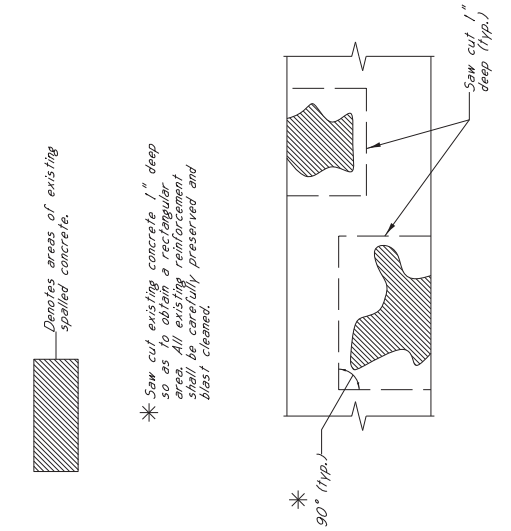
EGYPT ROAD

US 49E

US 49E

Epoxy Mortar Repair Notes:

1. Repair concrete spalled areas on the bridge as directed by the Project Engineer using epoxy mortar.
2. Repair all concrete spalled areas listed on this page and as shown on the drawings.
3. Repair any additional concrete spalled areas not listed on this page as directed by the Project Engineer.
4. The Contractor shall determine the depth of reinforcement prior to any saw cutting.
5. Spalled areas where pack rust has developed around or on steel reinforcement shall be blasted clean. Hammers used for removal shall be limited to 30 lbs.
6. All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions and details as shown in the information plans, unless noted otherwise.
7. Materials:
 - a. Epoxy Resin: Resin shall be selected from the MDOT approved list.
 - b. Silica Sand: Silica sand material shall be bagged general purpose blast cleaning sand.
 - c. Epoxy Mortar Mix: Epoxy mortar mix shall consist of part liquid epoxy and part clean, dry sand mixed in the ratio recommended by the manufacturer.
8. Application: representative of the epoxy manufacturer must be present for sufficient time to ensure the Contractor is properly schooled in the use of the epoxy materials.
 - a. Epoxy mortar shall be in accordance with manufacturer's recommendations.
 - b. Prior to placement of the mortar mix the prepared surface shall be lightly primed with neat epoxy.
 - c. Curing time shall be in accordance with manufacturer's recommendations.
9. The cleaning exposed reinforcement sites, patching material and any miscellaneous materials necessary to complete the repairs as shown shall be paid for on a square feet basis as Bridge Repair, Epoxy Repair. This item shall be bid such that this item may be increased, decreased, or eliminated as directed by the Project Engineer.

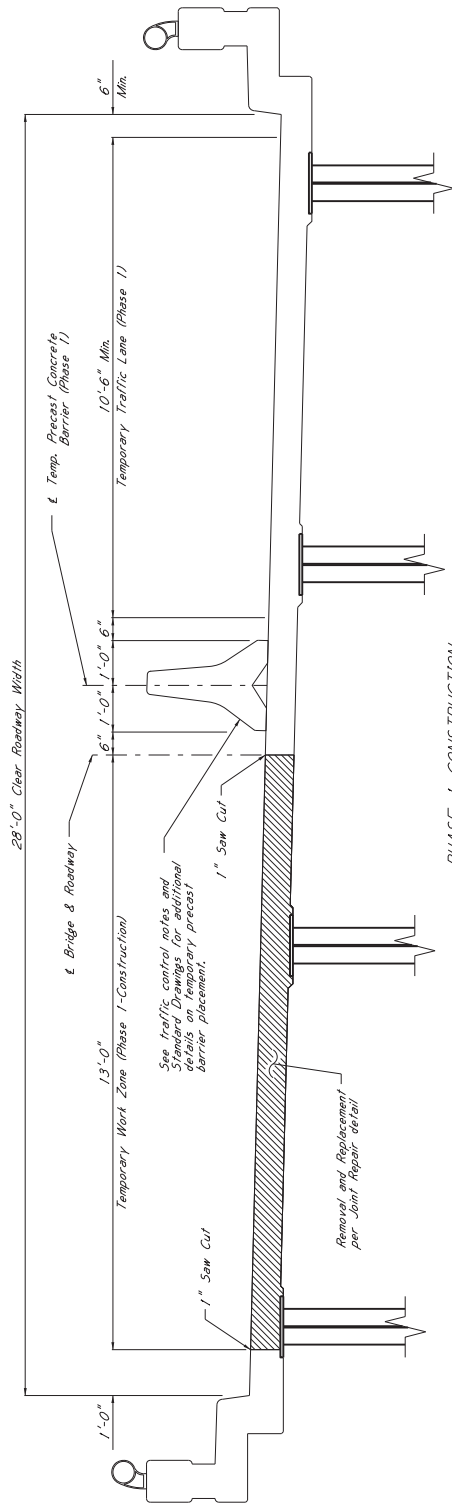


SPALL REPAIR DETAILS

Details above are for spalled areas where rebar is exposed.

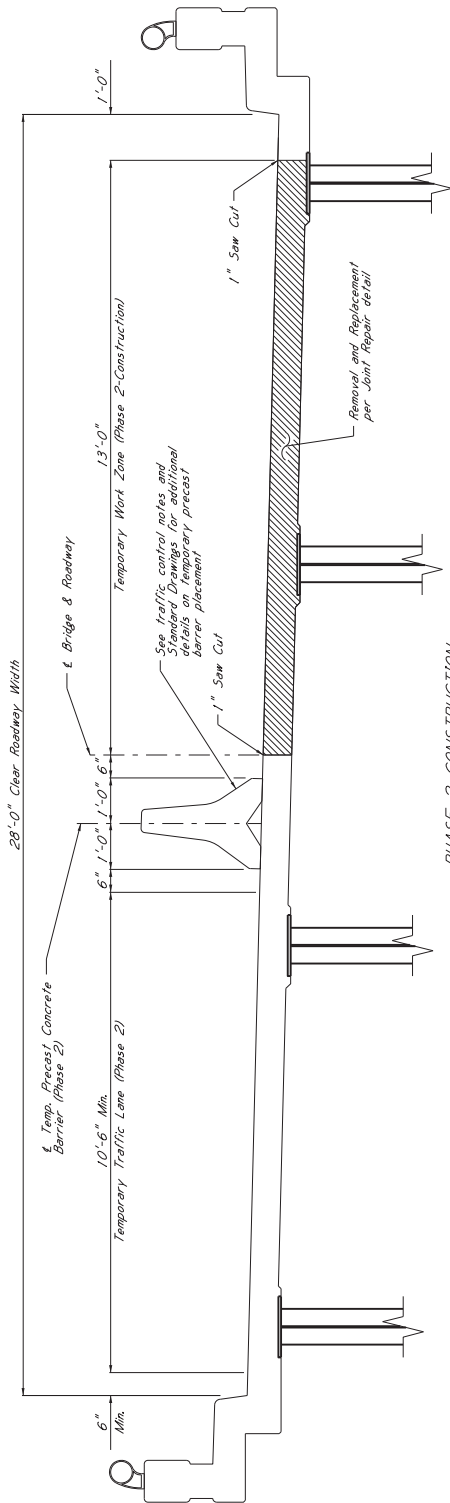
Locations To Be Repaired:

End Bent No. 4 wing wall on the north end of the bridge
Paving Overhang at End Bent No. 4 on the east edge of the bridge



PHASE 1 CONSTRUCTION

Showing Bridge Deck Typical Section and Median Barrier Placement
At End Bent No. 1, End Bent No. 4 Similar by Orientation



PHASE 2 CONSTRUCTION

Showing Bridge Deck Typical Section and Median Barrier Placement
At End Bent No. 1, End Bent No. 4 Similar by Orientation

NOTES ON ASSOCIATED ITEMS OF WORK:

- 907-823-8001 SAW CUT, TYPE I
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.
- 907-823-4001 PREFORMED JOINT SEAL, TYPE I
907-823-4002 PREFORMED JOINT SEAL, TYPE II

Description: Shall Include The Manufacturer's Required Joint Preparation, The Joint Form Of Debris With Compressed Air And Placement Of The New Preformed Joint Seal.

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.

907-808-A002
Description: JOINT REPAIR WITH EPDMY
Shall Include The Work Necessary To Repair Joints In Preparation For The Placement Of New Expansion Material, As Designed In The Detail Drawings Provided. Epoxy Mortar Seal Also Be Included Under This Item Of Work. Removal Of Existing Silicone Sealed, Compression, And AC Sealed Joint Repairs 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 Centerline Joint.

907-824-PP003
Description: BRIDGE REPAIR NEW CONSTRUCTION OF BRIDGE DECK
Shall Include The Work Necessary To Remove And Replace The Bridge Deck, As Designed In The Detail Drawings Provided. The Specified Full Depth Of Bridge Deck Shall Be Removed Along The Entire Width.

Basis of Payment: The Accepted Quantities Will Be Paid For In Square Feet At The Contract Unit Price Along The Width Of The Bridge Deck.

Damage Caused To Other Elements Of The Structure Or Roadway While Completing This Item Of Work Shall Be Repaired By The Contractor At No Cost To The Department.

Prior To Placing New Concrete, All Concrete Surfaces That Will Be In Contact With The New Concrete Shall Be Painted With An Approved Epoxy Binder Designed To Bond New Concrete To Old.

New Concrete Shall Be High Early Strength Bridge Concrete, As Follows:
The concrete mixture design shall be furnished by the Contractor for approval by the Materials Division. Mixture design parameters are as follows:
Required Strength: 2500 psi prior to releasing to traffic
Total Air Content: 3-6 %
Maximum Slump: 6 inches

Non-chloride based accelerator may be used if the ambient temperature is 50°F or less, but shall not be used if the ambient temperature is greater than 50°F. Synthetic structural fibers shall be used. The Contractor shall select recommendations shall be followed for the dosage rate.

Curing is to be continuous until 2500 psi is attained. Traffic is to be diverted from the repair area until this value is reached. The Contractor may use the Maturity Method per Section 907-808 to estimate the concrete strength. However, final acceptance of the replace concrete shall be determined using eight concrete test cylinders, which shall be cured in a container near concrete placement. Two cylinders are to be tested at 8, 16, and 24-hour intervals. The two remaining cylinders shall be used to determine the 28-day compressive strength of the concrete.

The Removal Of Existing Expansion Material Shall Be Considered An Allowable Item Of 907-824-PP003 Bridge Repair, Removal Of Bridge Deck, Refer To The Corresponding Joint Repair Detail Sheet For Additional Details On The Associated Items Of Work.

GENERAL NOTES:

- Specifications, Mississippi Standard Specifications For Road And Bridge Construction, 200 Edition, Shall Apply.
- Approval Of The Director Of Structures, State Bridge Engineer, More Changes To Detail Of Design Or Construction Procedure Will Not Be Cause For Contract Price Adjustment.
- Work For Which No Pay Item Is Provided In The Proposal Will Be Paid For Correctly And Shall Therefore Be Considered An Associated Item Of Work.

*** 1" SAWCUT NOTES:**

All 1" Sawcuts Shall Be Considered An Associated Item Of Work. The Contractor Shall Be Responsible For Making The Sawcut Before Making Any Sawcuts. The Depth Of The Sawcut Shall Be No More Than 1/2" From The Top Of The Concrete. The Sawcut Shall Be Repaired To The Satisfaction Of The Engineer At No Cost To The State.

*** REMOVAL OF BRIDGE DECK:**

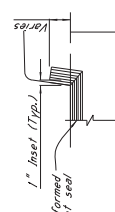
Removal Of Bridge Deck To Be Performed By Using Hammers, No Larger Than 30 Pounds, Paid For Under Pay Item No. 907-824-PP003, Bridge Repair, Removal Of Bridge Deck.

*** NOTE:**

Removal Of Existing Joint Material Will Be Considered An Associated Item Of Enwall Repair And Removal Of Bridge Deck.

*** PERMISSIBLE TRANSVERSE REINFORCEMENT LAP SPLICE:**

* s - 1'-1"



PART ELEVATION AT END OF SPAN

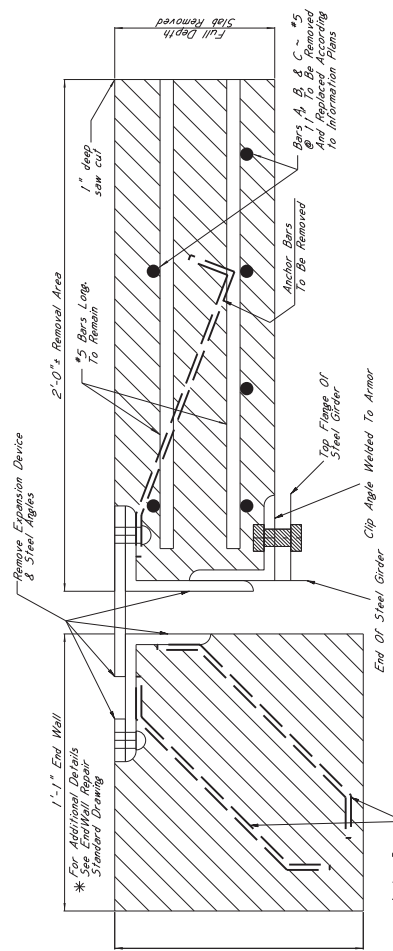
For Jersey, Slab Barriery, The Minimum Required Vertical Joint Seal Dimension For Post And Beam Barriery, The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 6".

*** NOTE:**

Design Width "A" Is Defined As The Actual Measured Joint Width.

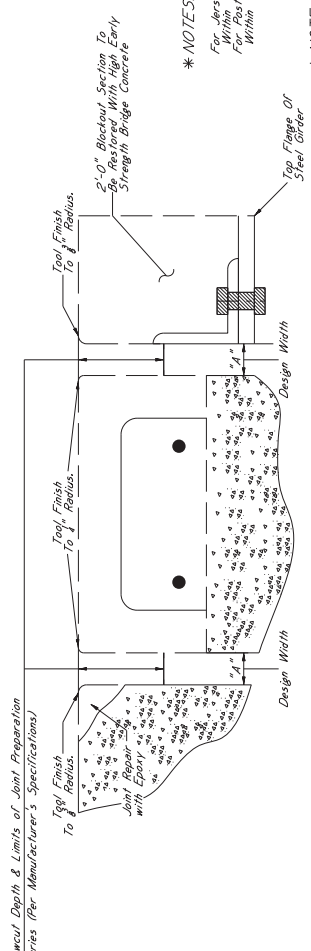
*** NOTES:**

- The Preformed Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Specifications:
A. Silcoflex Joint Sealing System Manufactured By R.J. Watson, Inc. In Allen, NY www.rjwatson.com
B. Wabco SPS Joint System Manufactured By Wabco
C. Slovic SSS Silsemp Strip Seal Manufactured By SSI Commercial & Highway Construction Materials www.ssi.com
- For Fixing In Progress, The RJ Watson Silcoflex System May Be Used. However, The Contractor Shall Be Responsible To Ensure That The Manufacturer's Recommendations Are Followed For Other Preparation Details. The Following Are The Minimum Requirements:
A. Manufacturer Representative Shall Be Present At The Time Joint Sealing Begins To Ensure That The Contractor Is Properly Schooled In Installation Methods.
B. Joints Shall Be Sealed At Their Design Widths. Dimension "A" Which Is Defined As Seal Provided On Both Sides Of The Joint. The Preformed Joint Seal Shall Be Used For Design Widths Less Than "A".
C. Design Widths Greater Than Or Equal To "A" With The Maximum Design Width 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 Specifier Is Appropriate For The Width Of The Joint.

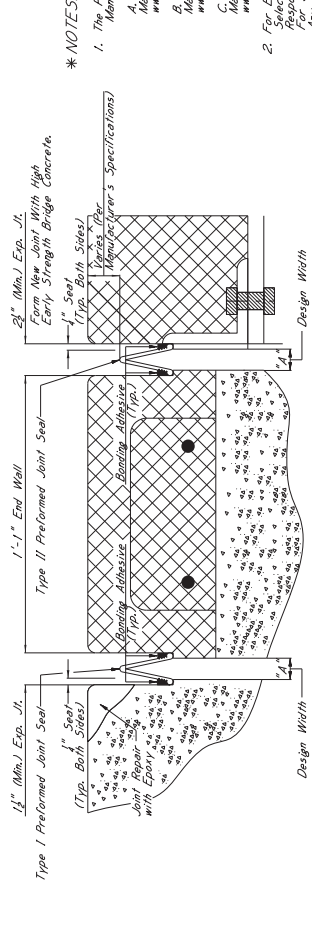


TYPICAL SECTION AT EXISTING JOINT
Showing Existing Expansion Device To Be Removed And Replaced With Preformed Joint Seal

* Enwall removal per Repair Standard Drawings



TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING SEAL
Showing Limits Of Joint Preparation For Application Of New Joint Seal Materials



TYPICAL SECTION AT SAWCUT & JOINT REPAIR
Showing Sealed Joint After Saw Cut And Repair With Preformed Joint Seal And Early Strength Bridge Concrete

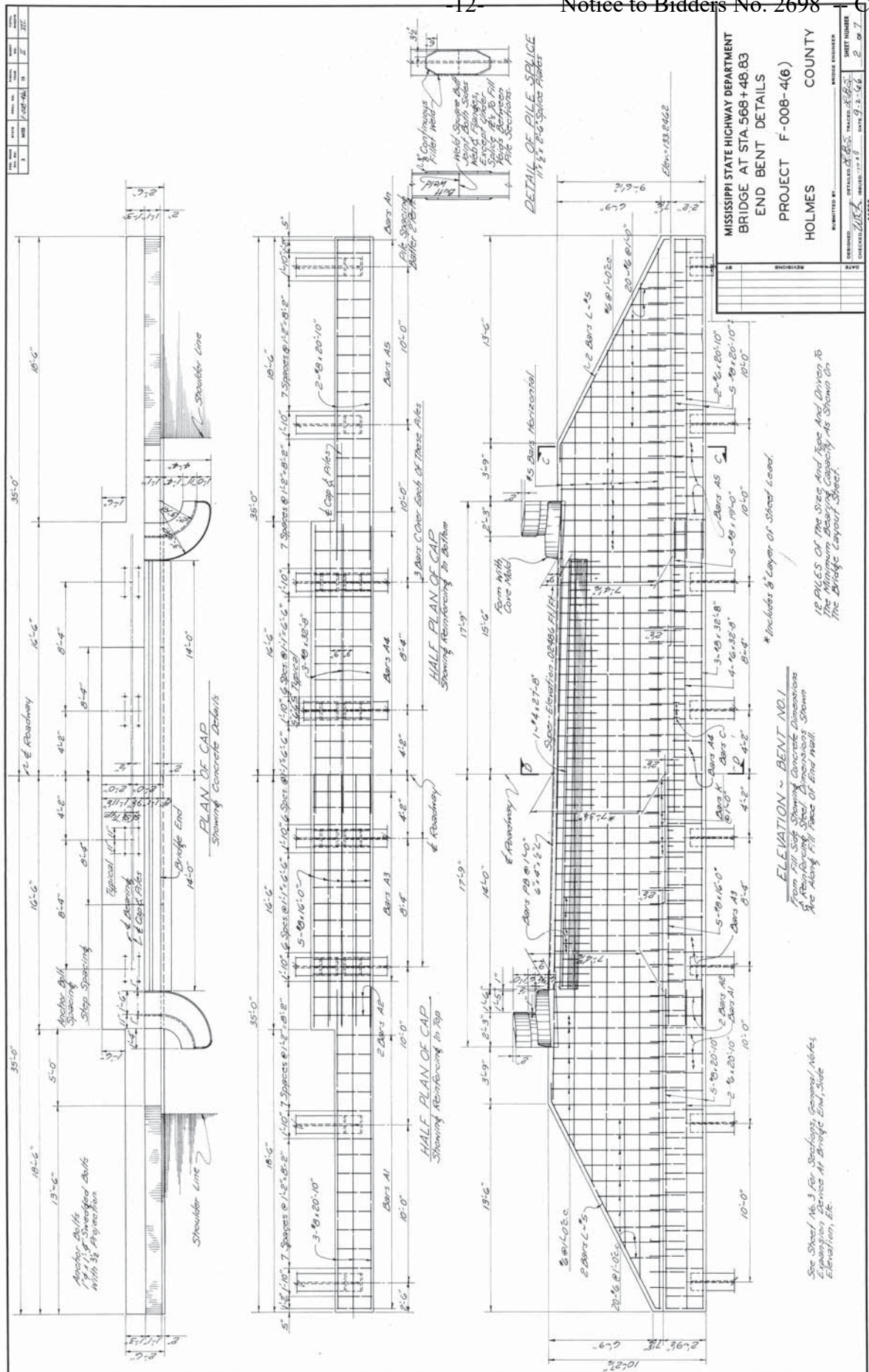
| | |
|-------|-------------|
| STATE | PROJECT NO. |
| MISS. | |

11600

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

NO
SUMMARY OF QUANTITY
NOR
RECAP SHEETS

| | |
|----------------|--------------|
| WORKING NUMBER | SHEET NUMBER |
| DESIGNED | DATE |
| REVIEWED | DATE |
| CHECKED | DATE |



| | |
|--------------|------------------|
| PROJECT NO. | F-008-4(6) |
| COUNTY | HOLMES |
| BRIDGE NO. | 568 + 48.83 |
| SECTION | END BENT DETAILS |
| DATE | 9-2-66 |
| SCALE | AS SHOWN |
| SHEET NUMBER | 2 OF 7 |

*Includes 8" Layer of Slab Lead.
 18 PILES OF THE SIZE AND TYPE AND DRIVEN TO THE MINIMUM BEARING CAPACITY AS SHOWN ON THE BRIDGE LAYOUT SHEET.

ELEVATION ~ BENT NO. 1
 From Full Size Showing Concrete Dimensions of Reinforcing Steel Dimensions Shown Are Along Face of End Wall.

See Sheet No. 3 for Stationing, Grades, Notes, Elevation, etc.

FOR INFORMATION ONLY: PROJECT NO. BR-0008-04(068)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2782

CODE: (SP)

DATE: 8/13/2020

SUBJECT: DBE Pre-Bid Meeting

Due to the COVID-19 pandemic and the Department not allowing visitors in the Administration Building at this time, the DBE Pre-Bid Meeting referenced on Page 5 of Notice to Bidders No. 2611 will be held by **video conference only**. The meeting will be held at 2:00 P.M. on the day preceding the date of the bid opening using Zoom video conferencing software. Anyone interested in participating can download Zoom and connect to the meeting at the below link.

<https://zoom.us/j/5548736403?pwd=SDh5S2hQSE5pNG5FOEkzR3NsUnBYQT09>

Password (if prompted): 272147

For those unable to participate via Zoom, the below teleconference number may be used instead.

1-888-227-7517

Conference Code: 404496

Bridge Repair on US 49 East Over Abiachia Creek (Bridge No. 239.5), known as Federal Aid Project No. STP-0008-04(068) / 108421301 in Holmes County.

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------------------|---------------|----------|----------|-------------|--|
| Roadway Items | | | | | |
| 0010 | 618-A001 | | 1 | Lump Sum | Maintenance of Traffic |
| 0020 | 618-B001 | | 1 | Square Feet | Additional Construction Signs [\$10.00] |
| 0100 | 620-A001 | | 1 | Lump Sum | Mobilization |
| 0130 | 907-619-E3001 | | 2 | Each | Changeable Message Sign |
| Bridge Items | | | | | |
| 0150 | 907-808-A002 | (S) | 56 | Linear Feet | Joint Repair |
| 0160 | 907-823-A001 | | 58 | Linear Feet | Preformed Joint Seal, Type I |
| 0170 | 907-823-A002 | | 58 | Linear Feet | Preformed Joint Seal, Type II |
| 0180 | 907-823-B001 | | 58 | Linear Feet | Saw Cut, Type I |
| 0190 | 907-824-PP003 | | 2 | Square Feet | Bridge Repair, Epoxy Repair |
| 0200 | 907-824-PP003 | | 104 | Square Feet | Bridge Repair, New Construction of Bridge Deck |
| 0210 | 907-824-PP003 | | 104 | Square Feet | Bridge Repair, Removal of Bridge Deck |
| 0220 | 907-824-PP006 | | 2 | Each | Bridge Repair, Cap Cleaning |
| 0230 | 907-824-PP006 | | 4 | Each | Bridge Repair, Reset Rocker Bearing |
| 0240 | 907-824-PP008 | | 52 | Linear Feet | Bridge Repair, End Wall Repair |

