

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 4/18/2017 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

| Number | Description |
|--------|---|
| 1 | Revised Bid Items; Revised or Added Plan Sheet Nos. 8001-8003, & 8007; 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-0067-01(009)/ 107407301000

Hancock County(ies)

Bridge Repair on SR 43 at Bayou Lacroix Bridge Nos. 3.3 & 3.3A, known as Federal Aid Project No. BR-0067-01(009) / 107407301 in Hancock 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 | 619-D1001 | | 32 | Square Feet | Standard Roadside Construction Signs, Less than 10 Square Feet |
| 0030 | 619-D2001 | | 320 | Square Feet | Standard Roadside Construction Signs, 10 Square Feet or More |
| 0040 | 619-G4005 | | 48 | Linear Feet | Barricades, Type III, Single Faced |
| 0050 | 620-A001 | | 1 | Lump Sum | Mobilization |
| Bridge Items | | | | | |
| 0060 | 202-B169 | | 624 | Linear Feet | Removal of Joint Material |
| 0070 | 808-A001 | (S) | 924 | Linear Feet | Joint Preparation |
| 0080 | 815-A009 | (S) | 17,476 | Ton | Loose Riprap, Size 500 |
| 0090 | 907-823-A001 | | 336 | Linear Feet | Preformed Joint Seal, Type I |
| 0100 | 907-823-A002 | | 126 | Linear Feet | Preformed Joint Seal, Type II |
| 0110 | 907-823-B001 | | 672 | Linear Feet | Saw Cut, Type I |
| 0112 | 907-824-PP005 | | 5 | Cubic Feet | Bridge Repair, Epoxy Repair |
| 0120 | 907-824-PP006 | | 88 | Each | Bridge Repair, Bearing Replacement |
| 0130 | 907-824-PP006 | | 24 | Each | Bridge Repair, Pressure Wash and Clean Bent |

ADDENDUM

STATE PROJECT NO.
MISS. BR-0067-01(009)

*DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS*

| <i>DESCRIPTION OF SHEETS</i> | <i>WORKING NUMBER</i> | <i>SHEET NUMBER</i> |
|---|-----------------------|---------------------|
| <i>DETAILED INDEX (BRIDGE)</i> | <i>DI-BR</i> | <i>8001</i> |
| <i>S.R. 43 over Bayou Lacroix - Bridge Repair</i> | | |
| <i>LAYOUT, ESTIMATED QUANTITIES AND GENERAL NOTES</i> | <i>1 OF 6</i> | <i>8002</i> |
| <i>LAYOUT AND GENERAL NOTES</i> | <i>2 OF 6</i> | <i>8003</i> |
| <i>RIPRAP PLACEMENT PLAN</i> | <i>3 OF 6</i> | <i>8004</i> |
| <i>RIPRAP PLACEMENT DETAILS</i> | <i>4 OF 6</i> | <i>8005</i> |
| <i>BEARING REPLACEMENT DETAILS</i> | <i>5 OF 6</i> | <i>8006</i> |
| <i>JOINT REPAIR DETAILS</i> | <i>6 OF 6</i> | <i>8007</i> |
| <i>JOINT REPAIR DETAILS COMPRESSION EXPANSION JOINT</i> | <i>7 OF 7</i> | <i>8008</i> |

INFORMATION PLANS
INFORMATION ONLY PLANS
8009-8043

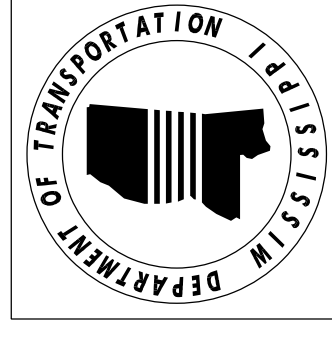
| <i>BRIDGE DIVISION</i> | | |
|------------------------|------------------|-----------|
| <i>REVISIONS</i> | | |
| <i>DATE</i> | <i>SHEET NO.</i> | <i>BY</i> |
| 3-10-2017 | 8002, 8003, 8007 | JLW |
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGES AT STA.
154+10.88 & 154+10.83
DETAILED INDEX

FMS: 107407 / 301000
COUNTY: Hancock
PROJECT NUMBER: BR-0067-01(009)

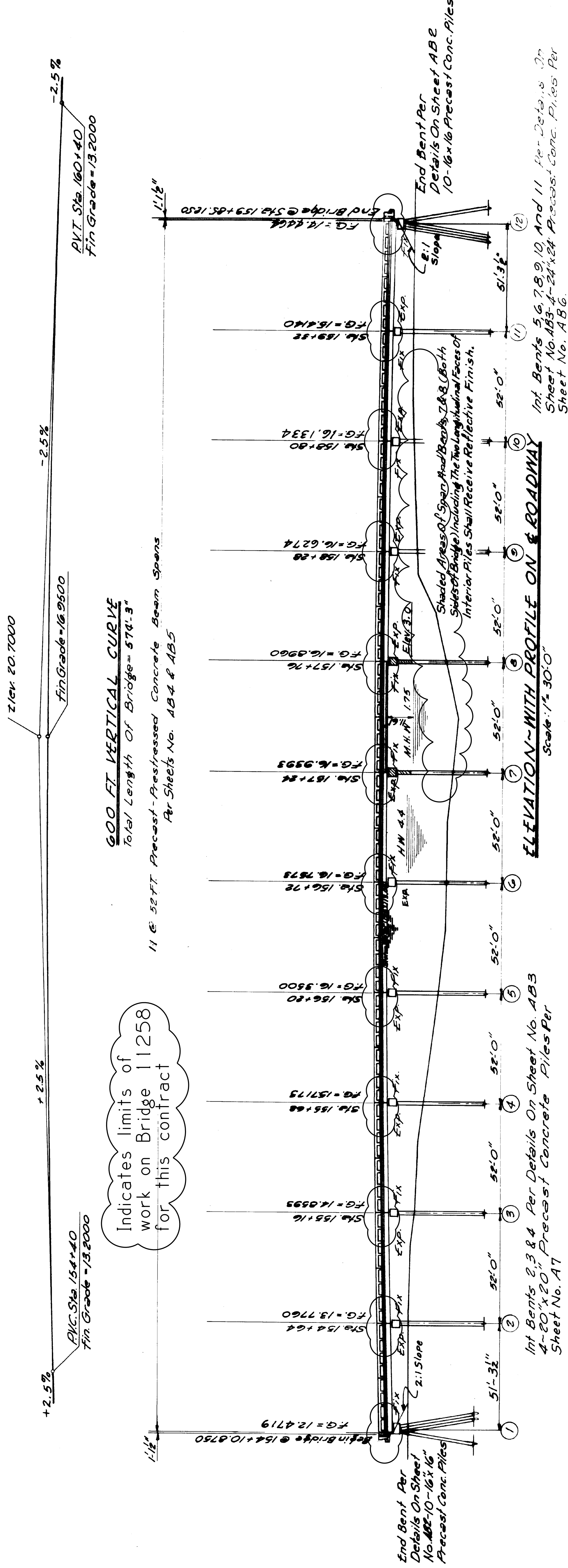
DESIGNER: JOSH WILSHIRE
DETAILER: JOSH WILSHIRE
CHECKER: PAUL BOSS
DATE: 2017-10-03
ISSUE DATE: 2017-10-03
REP. NO. CS 108 NUMBER: 0011 STATE BRIDGE ENGINEER - SOUTH WESTFIELD, P.E.

WORKING NUMBER: DI-BR
SHEET NUMBER: 8001



ADDENDUM

STATE MISS. PROJECT NO. BR-0067-01(009)



Indicates limits of work on Bridge 11258 for this contract

GENERAL NOTES:

1. Specifications: Mississippi Standard Specifications For Road and Bridge Construction, 2004.
2. No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer.
3. 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.
4. Work for which no pay item is provided will not be paid for directly and shall therefore be considered an absorbed item of work.
5. Any damage that occurs to the existing structure during the duration of the project shall be repaired to the satisfaction of the Engineer by the Contractor at no additional cost to the State.
6. 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.
7. During construction, care shall be exercised to ensure that no debris falls into the hydraulic crossing below. All debris, including any material that has accumulated on the bridge cap, shall be removed by the Contractor. Prior to fabrication of the bearing pads and sole plates, 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.
8. All steel plates, shall conform to A.S.T.M. designation A709, grade 50.
9. Existing anchor bolts shall be removed such that the new pads will bear on a flat surface of the cap.
10. All steel shall be new.

SCOPE OF WORK:

1. Clean all bent caps on bridges 11258 and 11259. See Bent Cleaning Note on sheet 8003.
2. Seal all open joints on bridges 11258 and 11259 with a preformed joint seal. See details on sheet no. 8007.
3. Install riprap under spans 7-10 of bridges 11258 and 11259 according to details on sheets 8004 and 8005.
4. Remove and replace existing bearings on bridge 11258 according to the Neoprene Pad Bearing Assembly Details on sheet no. 8006.

INFORMATION PLANS:

1. Original proj. no. 5-0107(3A)
- See sheet nos. 8008-8018 of these plans.

MAINTENANCE OF TRAFFIC

1. Maintain traffic in accordance with Section 618 of the Standard Specifications of Road and Bridge Construction, 2004 Edition. The latest edition of the MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, and the Traffic Control Plans included in these plans. Contractor shall provide for and maintain at least one way traffic at all times during the course of this contract.

ESTIMATED QUANTITIES

| | Linear Ft. | Linear Ft. | Tons | Linear Ft. | Linear Ft. | Linear Ft. | Each | Each | Cubic Feet |
|---------------|---|------------|------|------------|------------|------------|------|------|------------|
| 202-B169 | Removal of Joint Material | 624 | | | | | | | |
| 808-A001 | Joint Preparation | 924 | | | | | | | |
| 815-A009 | Loose Riprap, Size 500 | 17,476 | | | | | | | |
| 907-823-A001 | Preformed Joint Seal, Type I | 336 | | | | | | | |
| 907-823-A002 | Preformed Joint Seal, Type II | 126 | | | | | | | |
| 907-823-B001 | Saw Cut, Type I | 672 | | | | | | | |
| 907-824-PP006 | Bridge Repair, Pressure Wash and Clean Bent | 24 | | | | | | | |
| 907-824-PP006 | Bridge Repair, Bearing Replacement | 88 | | | | | | | |
| 907-824-PP005 | Bridge Repair, Epoxy Repair | 5 | | | | | | | |

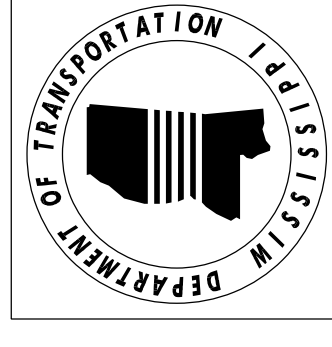
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGES AT STA.
 154+10.88 & 154+10.83
 S.R. 43 OVER BAYOU LACROIX
 BRIDGE REPAIR

FMS: 107407 / 301000
 COUNTY: Hancock
 PROJECT NUMBER: BR-0067-01(009)

WORKING NUMBER 1 OF 7
 SHEET NUMBER 8002

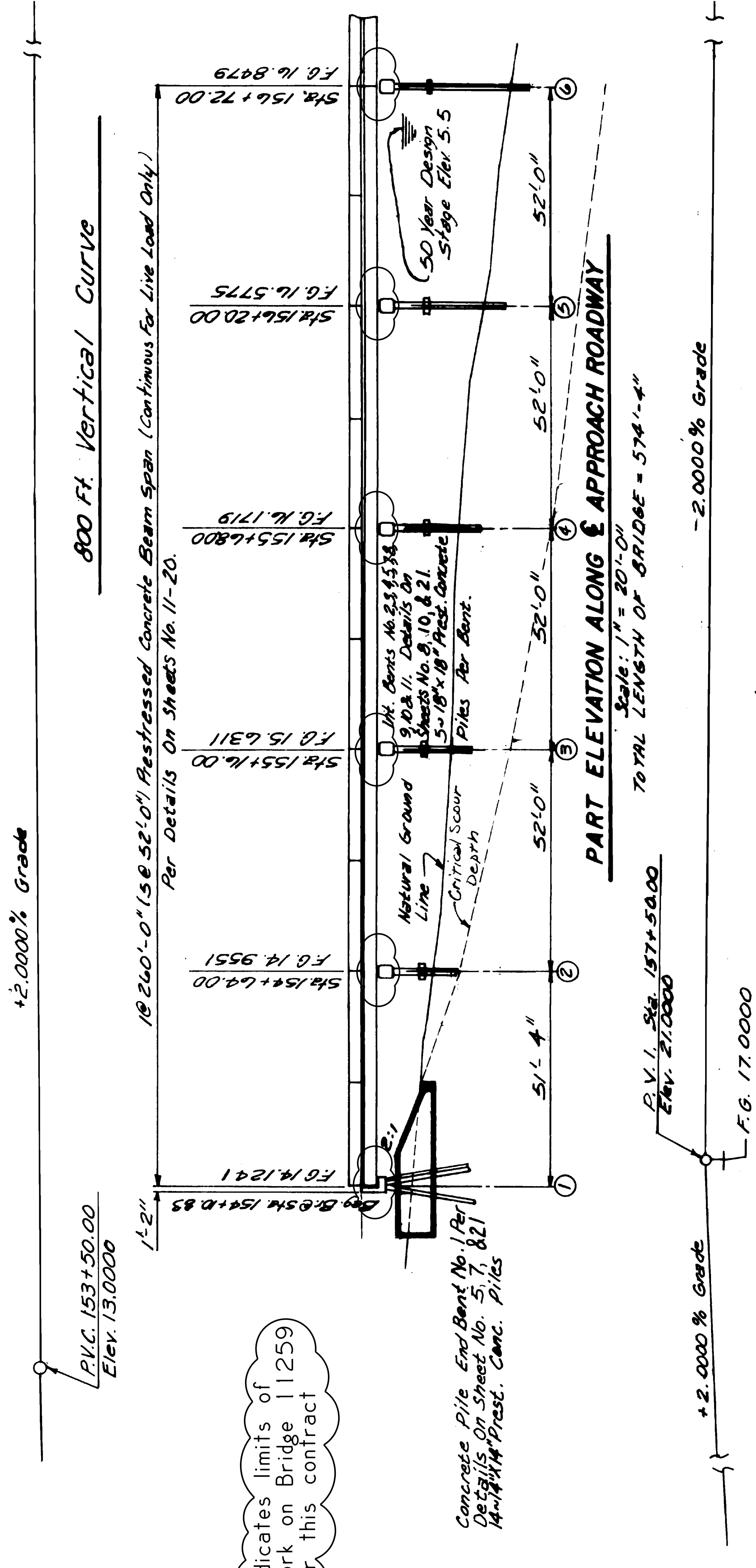
DESIGNER: JOSH WILSHIRE
 CHECKER: PAUL BOSS
 DATE: 10-2011
 ISSUE DATE: 2011-10-18
 REVISION: 1
 REVISION: 2
 REVISION: 3
 REVISION: 4
 REVISION: 5

REP. NO. 1818181818, STATE BRIDGE ENGINEER - SOUTH WATKINFIELD, PE.



ADDENDUM

Indicates limits of work on Bridge 11259 for this contract



EPOXY MORTAR AND REPAIR

Repair concrete spalled or unsound areas on the bridge as directed by the Project Engineer using epoxy mortar. Repair areas shall include, but are not limited to, the concrete drop slabs on the underside of the bridge deck. Spalled areas where pack rust has developed around or on reinforcement shall be removed by small hand tools or pressure washing (using 3500 psi pressure). All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions and details on the information plans.

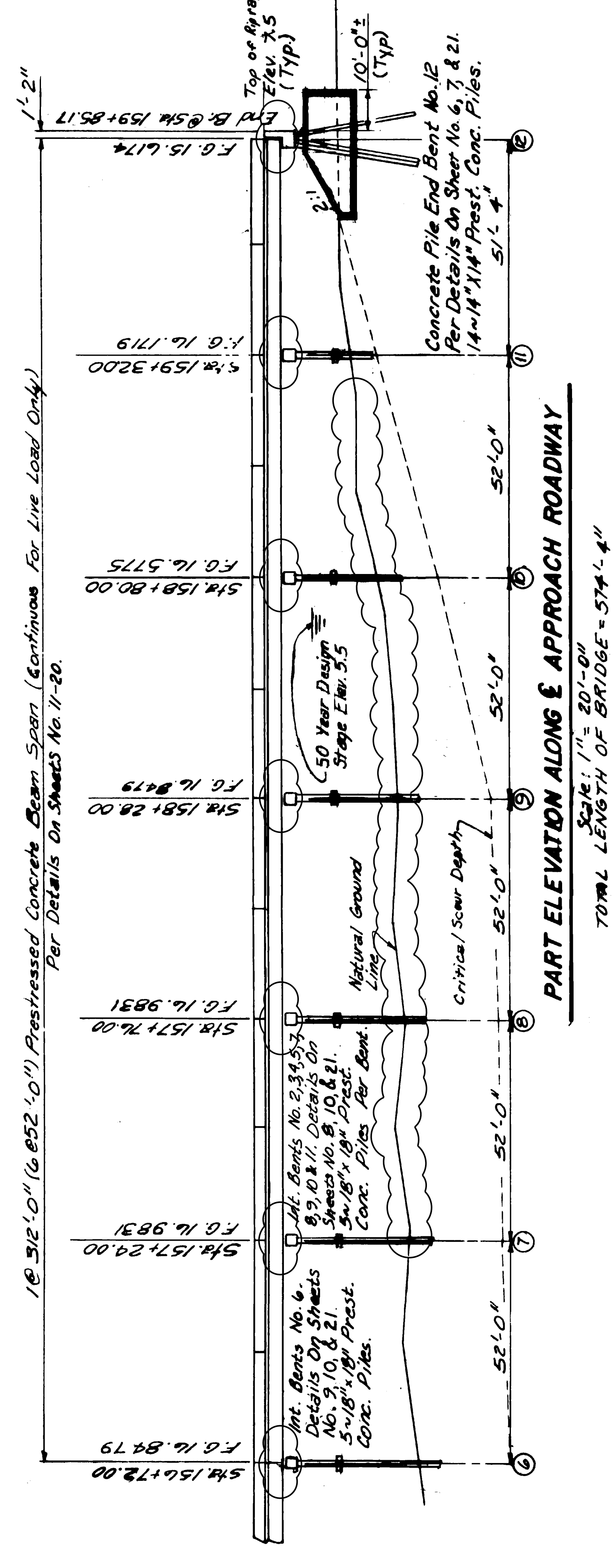
1. Epoxy Resin: Resin shall be selected from the MDOT Approved Products List.
2. Silica Sand: The materials shall be bagged general purpose cleaning sand.
3. Epoxy Mortar Mix: The epoxy mortar mix shall consist of part liquid epoxy and part clean dry sand mixed in the ratio recommended by the Manufacturer.
4. General:
 - 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.
5. All items of work related to epoxy repair shall be paid for under pay item 907-824-PP005: Bridge Repair, Epoxy Repair.

BENT CLEANING NOTE:

1. Cleaning all bent caps shall 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.

VERTICAL JACKING NOTES:

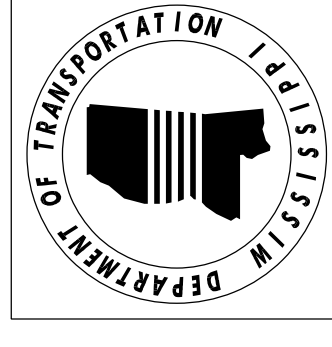
The Contractor shall provide adequate bracing and jacking arrangements as required to raise the span ends and replace existing bearings. The Contractor shall employ the service of a Mississippi Registered Design Professional Engineer, who is knowledgeable in the field of Bridge Design. A complete set of bracing and jacking arrangements along the entire length of the bridge shall be submitted to the District Engineer, 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. Jacking points shall be under the bottom flange of the prestressed concrete beams of each bent and no jacking points will be allowed under any diaphragms or the bays. After the beam ends are raised into position, temporary blocking shall be provided to secure the beam in this position while the new bearing assemblies are being installed. Temporary blocking points shall be under the bottom flange of the prestressed concrete beam at each bent and no temporary blocking will be allowed under any diaphragms or the bays. Traffic shall be maintained on the bridge for duration of the repair. Any damage to the bridge resulting from uneven or improper jacking shall be repaired by the Contractor at no additional cost to the State.



NOTE:
For scope of work, and general notes see sheet no. 8002.

INFORMATION PLANS:

1. Original proj. no. 46-0032-01-022-10
- See sheet nos. 8019-8042 of these plans.



| | | | | | |
|---|----------|----------|---------------|------------|------------|
| DATE | 10-2011 | DESIGNER | JOHN WILSHIRE | CHECKER | PAUL BOSS |
| BY | REVISION | DATE | ISSUE DATE | 2011-10-20 | 2011-10-20 |
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION BRIDGES AT STA. 154+10.88 & 154+10.83 S.R. 43 OVER BAYOU LACROIX BRIDGE REPAIR FMS: 107407 / 301000 COUNTY: Hancock PROJECT NUMBER: BR-0067-01(009) WORKING NUMBER 2 OF 7 SHEET NUMBER 8003 | | | | | |

NOTES ON ASSOCIATED ITEMS OF WORK:

202-B169 REMOVAL OF EXISTING JOINT MATERIAL

Description:

Shall include The Removal Of Material Associated With Armor, Sliding Plate, And Neoprene Expansion Joints, As Designated In The Detail Drawings Provided. Epoxy Mortar Joint Types Shall Not Be Included Under This Item Of Work Unless Otherwise Directed By The Engineer.

Basis Of Payment:

Removal Of Armor And Sliding Plate Joint Material 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, While Removal Of Neoprene Joint Material Will Only Be Paid For As The Length Along The Centerline Of The Joint.

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 Not 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.

907-823-8001 SAW CUT, TYPE I & 907-823-8002 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.

907-823-4001 PREFORMED JOINT SEAL, TYPE I.

907-823-4002 PREFORMED JOINT SEAL, TYPE II.

Basis Of Payment:

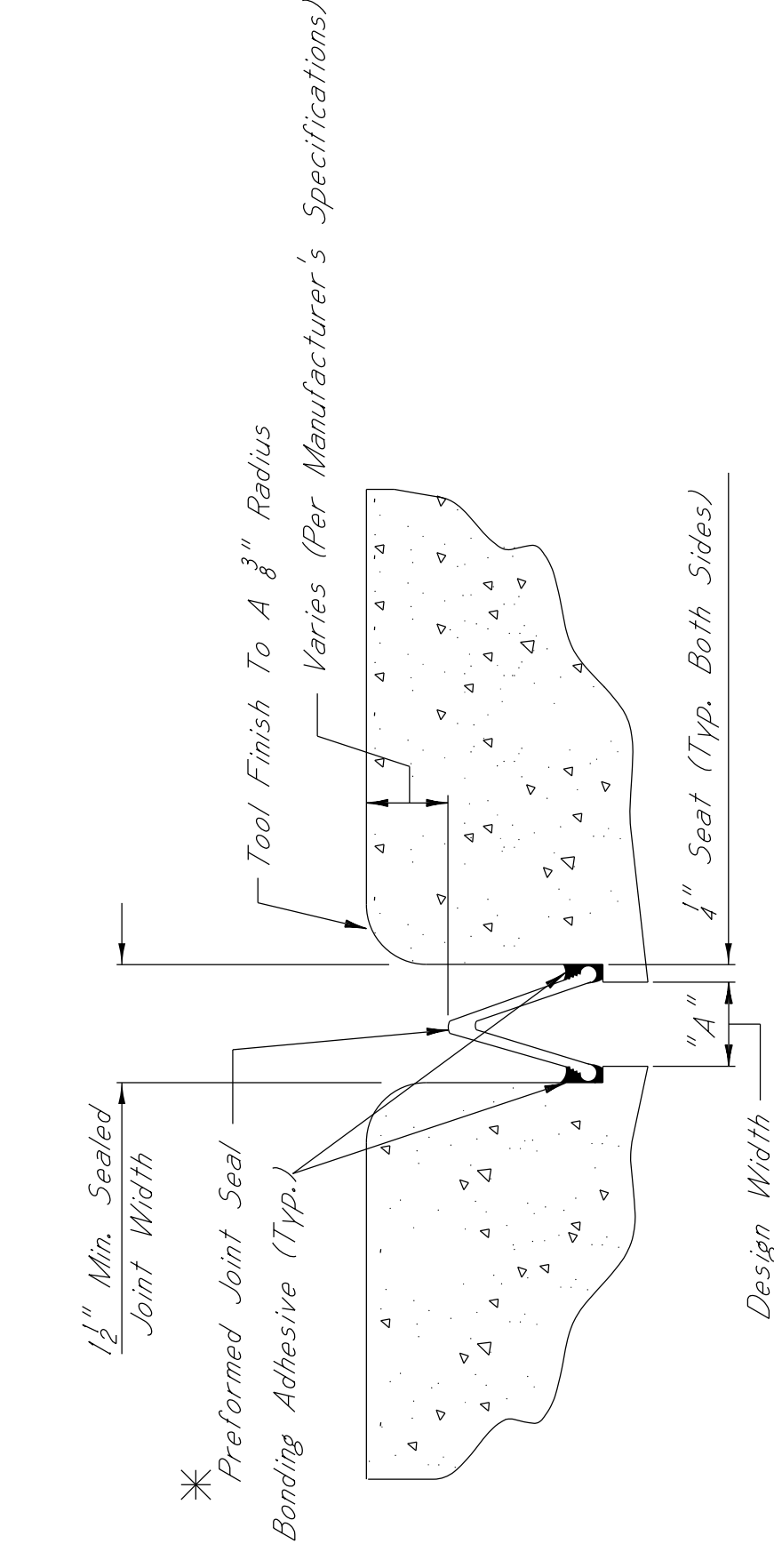
The Accepted Quantities Will Be Paid For In Linear Feet At The Contract Unit Price Along The Length Of The Centerline Joint.

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.

GENERAL NOTES:

- Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2004.
- No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes To Detail Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
- Work For Which No Pay Item Is Provided In The Proposal Will Not Be Paid For Directly And Shall Therefore Be Considered An Absorbed Item of Work.



TYPICAL SECTION AT SAWCUT & SEALED JOINT

Showing Sealed Joint After Sawcut And Repair With Epoxy Mortar

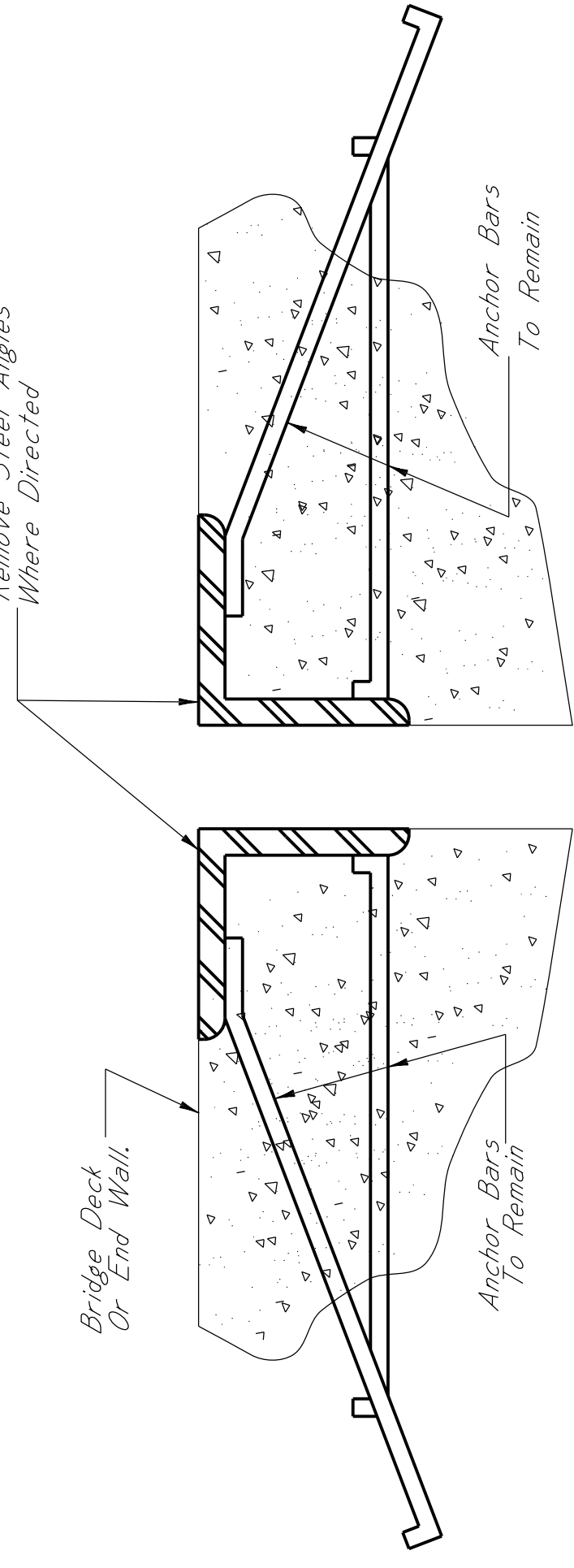
***NOTES:**

1. The Preformed Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Specifications:

- Silcoflex Joint Sealing System
Manufactured By R.J. Watson, Inc. In Alden, NY
www.rjwatson.com
- Webb SPS Joint System
Manufactured By Watson Bowman Acme Corporation In Amherst, NY
www.wbacorp.com
- Silspec 555 Silicone Strip Seal
Manufactured By SSI Commercial & Highway Construction Materials
www.ssi.com

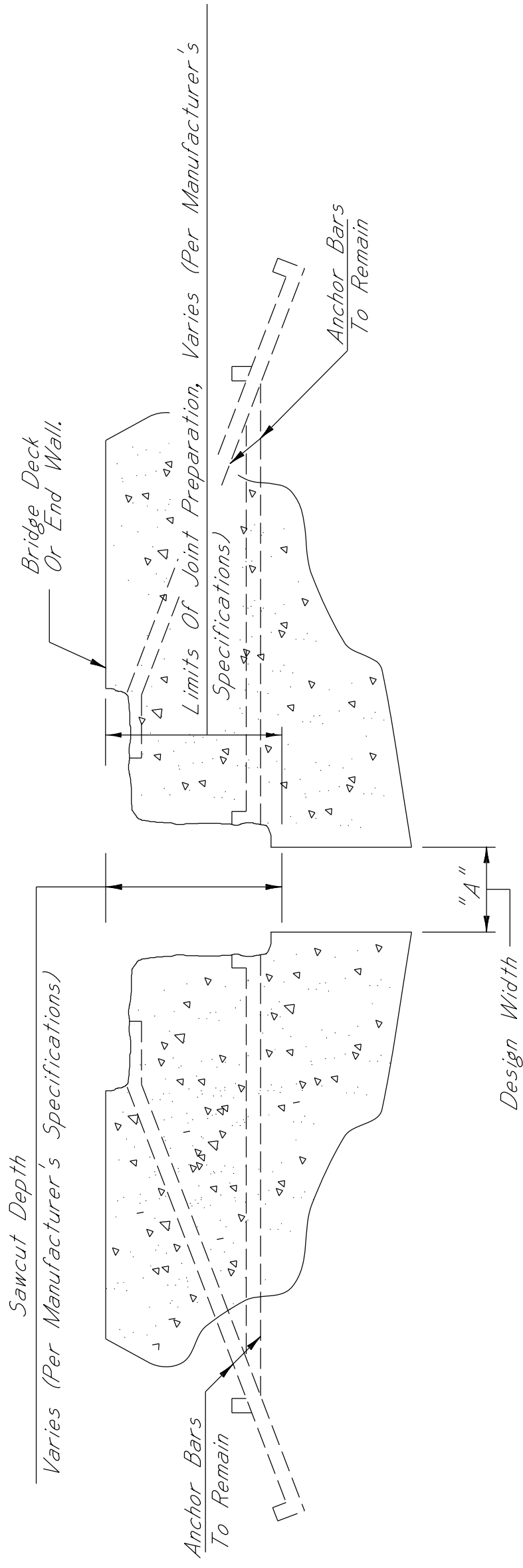
2. For Estimating Purposes, The R.J. Watson Silcoflex Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Ensure That The Manufacturer's Recommendations Are Followed For Joint Preparation, Installation Details, And Widths, Adhesive, Setting Times, And All Other Requirements. Manufacturer's Specifications Provided By The Manufacturer Shall Be Preserved At The Job Site. The Contractor Shall Be Responsible To Ensure That The Contractor Is Properly Schooled In 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. This Width Does Not Account For The 1/4" Seat Required On Both Sides Of The Joint. Preformed Joint Seal, Type I, Shall Be Used For Design 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 24". In Cases Where Design Widths Are Greater Than 24", 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.



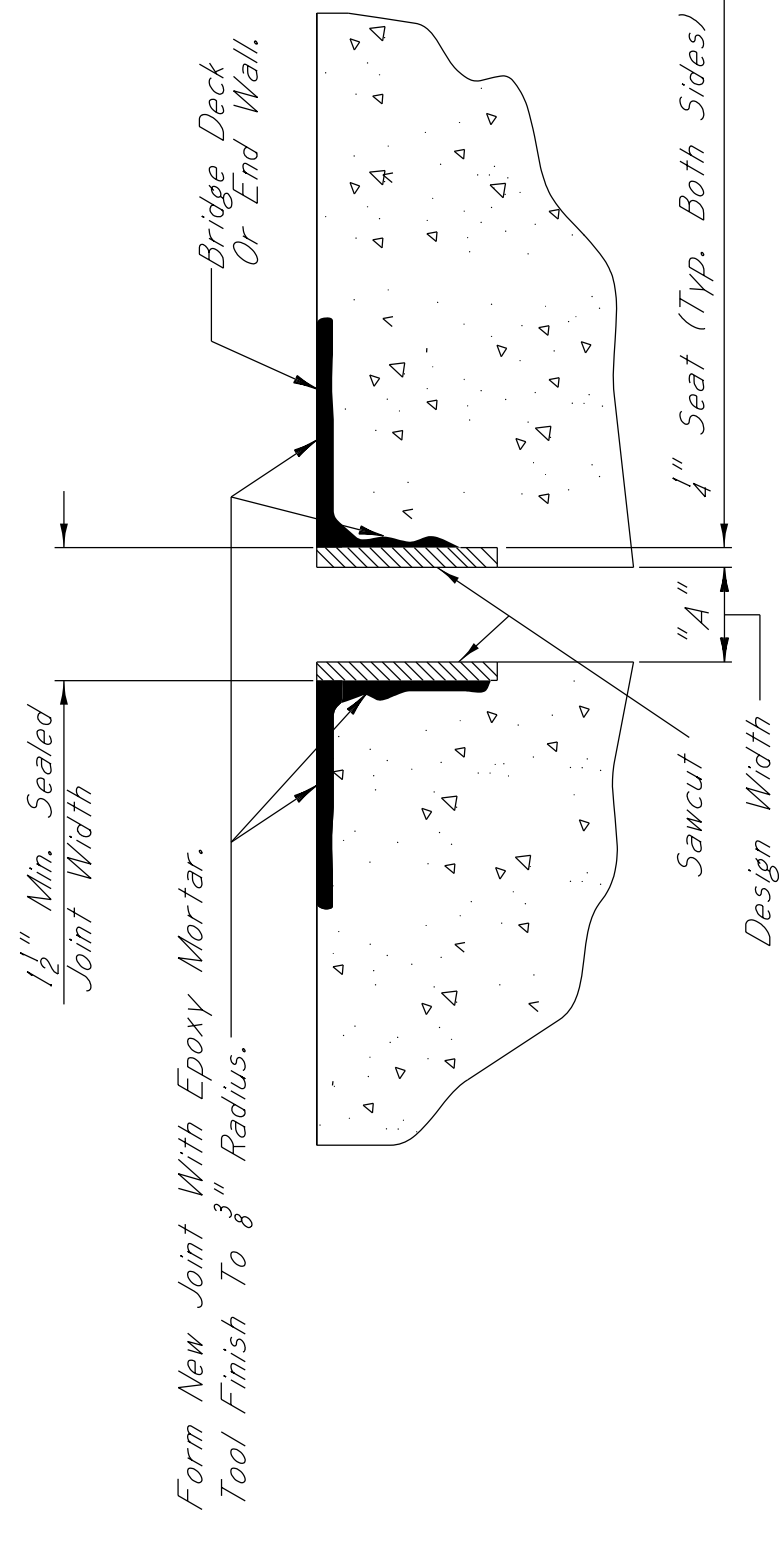
TYPICAL SECTION AT EXISTING JOINT

Showing Existing Expansion Device To Be Removed And Replaced With Preformed Joint Seal



TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING MATERIAL

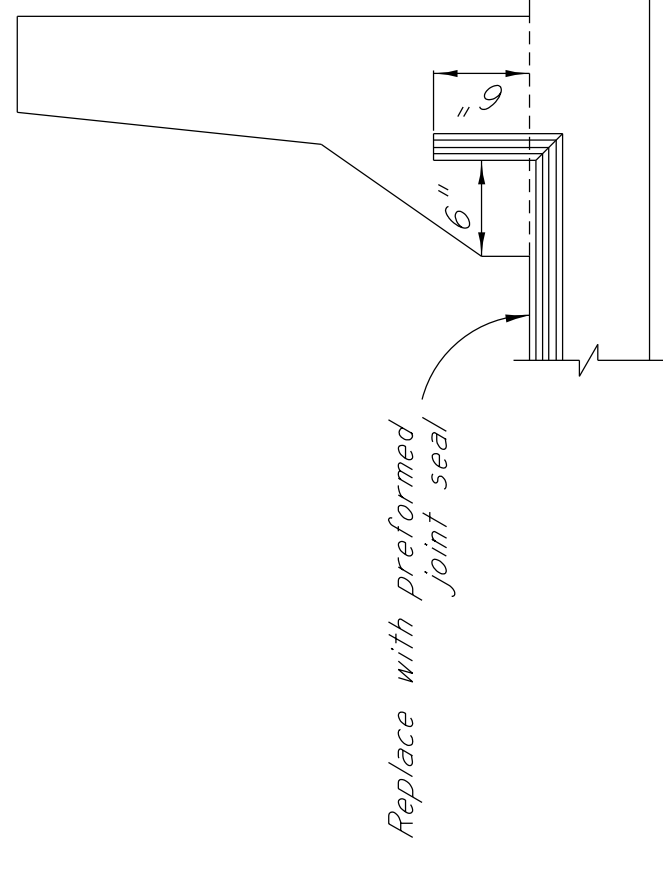
Showing Limits Of Joint Preparation For Application Of New Joint Seal Materials



TYPICAL SECTION AT SAWCUT & JOINT REPAIR

Showing Area Where Repairs Are Made After Sawcut With Epoxy Mortar Or Approved Equivalent

ELEVATION AT END OF SPAN



| | |
|--|---------------------|
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| BRIDGES AT STA. | |
| 154+10.88 & 154+10.83 | |
| JOINT REPAIR DETAILS | |
| FMS: 107407 / 301000 | WORKING NUMBER |
| COUNTY: Hancock | 6 OF 7 |
| PROJECT NUMBER: BR-0067-01(009) | SHEET NUMBER |
| DESIGNER: JOHN WILSHIRE | CHECKER: PAUL BOSS |
| DRAWN: JAMES W. WILSON | ISSUE DATE: 2/07/09 |
| DATE: 10-2011 | REVISED NOTE |
| BY: [] | REVISION: [] |
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