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SM No. CSP0059011361

# PROPOSAL AND CONTRACT DOCUMENTS

## FOR THE CONSTRUCTION OF

01

Emergency Bridge Repair on I-59 over US 49 (Bridge No. 66.8A), known as State  
Project No. SP-0059-01(136) / 109567301 in Forrest County.

Project Completion: 04/26/2024

**(STATE DELEGATED)**

### NOTICE

**BIDDERS MUST COMPLETE AN ONLINE REQUEST  
FOR PERMISSION TO BID THIS PROJECT.**

Electronic addendum updates will be posted on [www.gomdot.com](http://www.gomdot.com)

# SECTION 900

## OF THE CURRENT 2017 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

JACKSON, MISSISSIPPI

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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**PROJECT: SP-0059-01(136)/109567301 - Forrest**

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

03/08/2024 02:54 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., Friday, March 15, 2024, from Bid Express Service and shortly thereafter publicly read in the Construction Division for:

**Emergency Bridge Repair on I-59 over US 49 (Bridge No. 66.8A), known as State Project No. SP-0059-01(136) / 109567301 in Forrest County.**

In accordance with authority granted under Section 65-1-85 Mississippi Code of 1972, Annotated, the work to be accomplished under this contract has been declared by the Executive Director to be an emergency, and it is desired that you submit a bid for performing the needed and necessary work for alleviating the situation that exists at this site.

The attention of bidders is directed to the predetermined minimum wage rate set by the U. S. Department of Labor under the Fair Labor Standards Act.

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 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.

Plans must be purchased online at <https://shopmdot.ms.gov>. Costs of plans will be on a per sheet basis plus a small convenience fee. If you have any questions, you can contact the MDOT Plans Print Shop at (601) 359-7460, or e-mail at [plans@mdot.state.ms.us](mailto:plans@mdot.state.ms.us). Plans will be shipped upon receipt of payment. 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.

BRAD WHITE  
EXECUTIVE DIRECTOR

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SUPPLEMENT TO NOTICE TO BIDDERS NO. 1**

**DATE: 06/08/2021**

**SUBJECT: Governing Specifications**

Change the web address at the end of the first paragraph to the following.

<https://shop.mdot.ms.gov/default.aspx?StoreIndex=1>

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 1**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Governing Specifications**

The current (2017) Edition of the Standard Specifications for Road and Bridge Construction adopted by the Mississippi Transportation Commission is made a part hereof fully and completely as if it were attached hereto, except where superseded by special provisions, or amended by revisions of the Specifications contained within this proposal. Copies of the specification book may be purchased from the MDOT Construction Division, or online at [shopmdot/default.aspx?StoreIndex=1](http://shopmdot/default.aspx?StoreIndex=1).

A reference in any contract document to controlling requirements in another portion of the contract documents shall be understood to apply equally to any revision or amendment thereof included in the contract.

In the event the plans or proposal contain references to the 2004 Edition of the Standard Specifications for Road and Bridge Construction, it is to be understood that such references shall mean the comparable provisions of the 2017 Edition of the Standard Specifications.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 2**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Status of Right-of-Way**

Although it is desirable to have acquired all rights-of-way and completed all railroad agreements, utility adjustments and work to be performed by others prior to receiving bids, sometimes it is not considered to be in the public interest to wait until each and every such clearance has been obtained. The bidder is hereby advised of possible unacquired rights-of-way, relocations, railroad agreements and utilities adjustments which have not been completed.

The status of right-of-way acquisition, utility adjustments, encroachments, potentially contaminated sites, railroad facilities, improvements, and asbestos contamination are set forth in the following attachments.

In the event right of entry is not available to ALL parcels of right-of-way and/or all work that is to be accomplished by others on the date set forth in the contract for the Notice to Proceed is not complete, the Department will issue a restricted Notice to Proceed.

**STATUS OF RIGHT-OF-WAY**

SP-0059-01(136)

109567/301000

Forrest County

All rights of way and legal rights of entry have been acquired except:

None.



ASBESTOS ABATEMENT STATUS REPORT

SP-0059-01(136), 109567-301000

Forrest County

March 5, 2024

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos-containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There is no Right of Way required for this project. There are no buildings to be removed by the contractor.

POTENTIALLY CONTAMINATED SITES STATUS REPORT

SP-0059-01(136), 109567-301000

Forrest County

March 5, 2024


THERE IS NO RIGHT OF WAY REQUIRED FOR THIS PROJECT. NO INITIAL SITE ASSESSMENT WILL BE PERFORMED. IF CONTAMINATION ON EXISTING RIGHT OF WAY IS DISCOVERED, IT WILL BE HANDLED BY THE DEPARTMENT.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

*Inter-Departmental Memorandum*

TO: Don Drake  
Right of Way Division

DATE: March 5, 2024

FROM: Martha Brewer   
District Preconstruction Engineer

SUBJECT OR PROJECT NO: 109567/301000  
SP-0059-01(136)

INFORMATION COPY TO  
File

COUNTY: Forrest

## District Status Report

1. STATUS OF RIGHT OF WAY: All work to be done within existing ROW.
2. RIGHT OF WAY CLEARANCE: There are no encroachments.
3. STATUS OF AFFECTED RAILROAD OPERATING FACILITIES: None affected.
4. STATUS OF REQUIRED UTILITY RELOCATIONS: No utility conflicts.
5. STATUS OF CONSTRUCTION AGREEMENT: None Required

IMPROVEMENTS STATUS REPORT

Improvements to be included in Notice to Bidders to be removed by the Construction Contractor

FMS Construction Project No: 109567-301000

FMS ROW Project No:

External ROW No: SP-0059-01(136)

Parcel No:  
Station No:  
Property Owner:  
Description/Pictures:

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 296**

**CODE: (SP)**

**DATE: 07/25/2017**

**SUBJECT: Reduced Speed Limit Signs**

Bidders are advised that when the plans or contract documents require the speed limit on a project to be reduced, the Contractor shall begin work within 48 hours of installing the reduced speed limit signs. Should the Contractor not start work or have no plans to start work within 48 hours of installing the signs, the reduced speed limit signs shall be covered and existing speed limit signs uncovered.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 445**

**CODE: (SP)**

**DATE: 10/10/2017**

**SUBJECT: Mississippi Agent or Qualified Nonresident Agent**

Bidders are hereby advised of the requirements of Subsections 102.08, 103.05.2, and 107.14.2.1 of the *2017 Standard Specifications for Road and Bridge Construction* as it refers to bonding agents. Proposal guaranties, bonds, and liability insurance policies must be signed by a **Mississippi Agent or Qualified Nonresident Agent.**

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 516

CODE: (IS)

DATE: 11/28/2017

SUBJECT: Errata and Modifications to the 2017 Standard Specifications

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
16	102.06	In the seventh full paragraph, change “Engineer” to “Director.”
33	105.05.1	In the sixth sentence, change “Contract Administration Engineer” to “Contract Administration Director.”
34	105.05.2.1	In subparagraph 2, change “SWPPP, ECP” to “SWPPP and the ECP”
35	105.05.2.2	In subparagraphs 2, add “ and” to the end of the sentence. In subparagraph 3, remove “, and” and add “.”.
90	109.04.2	In the last paragraph of subparagraph (a), place a period “.” at the end of the sentence.
93	109.04.2	In the last paragraph of subparagraph (g), place a period “.” at the end of the sentence. Also, in the first paragraph of subparagraph (h), place a period “.” at the end of the sentence.
97	109.07	Under ADJUSTMENT CODE, subparagraph (A1), change “HMA mixture” to “Asphalt mixtures.”
98	109.11	In the third sentence, change “Engineer” to “Director.”
219	308.04	In the last sentence of the last paragraph, change “Contractor’s decision” to “Engineer’s decision.”
300	405.02.5.9	In the first sentence of the second paragraph, change “Hot Mix Asphalt” to “Asphalt Mixtures.”
502	630.01.1	In the first paragraph, change “AASHTO” to “AASHTO’s LRFD”.
636	646.05	Change “each” to “per each” for the pay item units of payment.
640	656.02.6.2	In item 7), change “down stream” to “downstream”.
688	630.03.2	Change the subsection number from “630.03.2” to “680.03.2.”

725      702.08.3      In the second sentence of the first paragraph, change “hot-mix” to “asphalt.”

954      804.02.13.1.6      In the definition for “M” in the % Reduction formulas, change “paragraph 7.3” to “paragraph 5.3.”



## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1226

CODE: (IS)

DATE: 11/16/2018

SUBJECT: Material Storage Under Bridges

Bidders are advised that Subsection 106.08 of the Standard Specifications allows the Contractor to store materials and equipment on portions of the right-of-way. However, the Contractor will not be allowed to store or stockpile materials under bridges without written permission from the Project Engineer. The Contractor shall submit a detailed request of all proposed materials to be stored under bridges to the Engineer a minimum of 14 calendar days prior to anticipated storage. This detail shall include, but not limited to, bridge location, material type, material quantity, and duration of storage. The Project Engineer and any other needed Division will review this information and determine whether to grant approval. The Contractor shall not store any material under any bridge without written approval from the Project Engineer.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1241**

**CODE: (IS)**

**DATE: 11/27/2018**

**SUBJECT: Fuel and Material Adjustments**

Bidder's attention is brought to the last paragraph of Subsection 109.07 of the Standard Specifications which states that no fuel or material adjustment will be made after the completion of contract time. Any fuels consumed or materials incorporated into the work during the monthly estimate period falling wholly after the expiration of contract time will not be subject a fuel or material adjustment.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 2206**

**CODE: (IS)**

**DATE: 01/14/2020**

**SUBJECT: MASH Compliant Devices**

Bidders are hereby advised that compliance associated with the requirements of meeting either the National Cooperative Highway Research Program (NCHRP) Report 350 or the Manual for Assessing Safety Hardware (MASH) for installations of certain traffic control devices and permanent safety hardware devices (guardrails, guardrail terminals, permanent portable barriers, cast-in-place barriers, all other permanent longitudinal barriers, crash cushions, cable barriers, cable barrier terminals, bridge rails, bridge rail transitions, all other terminals, sign supports, and all other breakaway hardware) as listed throughout the Standard Specifications and/or the Standard Drawings, or both, is now replaced with the requirements of meeting the 2016 version of MASH after December 31, 2019. This change applies to new permanent installations and to full replacements of existing installations.

At the preconstruction conference or prior to starting any work on the project, the Contractor shall submit a letter stating that the traffic control devices and permanent safety hardware devices as outlined within the paragraph above that are to be used on the project are certified to meet MASH 2016.

When a MASH 2016-compliant device does not exist for the new permanent installations and/or full replacement installations of permanent safety hardware devices, as listed above, a MASH 2009-compliant or a NCHRP 350-compliant device may be proposed by the Contractor for the project. A written request for such instances must be submitted by the Contractor either at the preconstruction conference or prior to starting any work on the project. The Contractor shall submit the following items to the Project Engineer: (1) a detailed list of the proposed devices and locations thereof; and (2) certification letters indicating that the proposed devices are compliant with either MASH 2009 or NCHRP 350.

When a MASH 2016-compliant device does not exist for the temporary work zone traffic control devices (Category 1, Category 2, and Category 3 devices), a MASH 2009-compliant or a NCHRP 350-compliant device may be proposed by the Contractor for the project. Temporary work zone traffic control devices (Category 1, Category 2, and Category 3 devices) that are MASH 2009-compliant or NCHRP 350-compliant that have been in use prior to December 31, 2019, and that have a remaining service life may be proposed for use throughout their normal service life on the project by the Contractor. For either of these scenarios for temporary work zone traffic control devices, a written request must be submitted by the Contractor either at the preconstruction conference or prior to starting any work on the project. The Contractor shall submit the following items to the Project Engineer: (1) a detailed list of the proposed devices and locations thereof; and (2) certification letters indicating that the proposed devices are compliant with either MASH 2009 or NCHRP 350.

Work will only be allowed to proceed after the Department has granted written concurrence(s) with the proposed request(s) as listed above.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 2273**

**CODE: (SP)**

**DATE: 02/12/2020**

**SUBJECT: Mississippi Special Fuel Tax Law**

Bidder's attention is brought to the second paragraph of Subsection 107.02 of the Standard Specifications which states that all Contractors and Subcontractors must comply with all requirements contained in the Mississippi Special Fuel Tax Law, Section 27-55-501, *et seq.* Attached are two Fact Sheets provided by the Mississippi Department of Revenue (MDOR) with additional information.

## Gasoline and Dyed Diesel Used for Non-Highway Purposes

*Mississippi provides a reduced rate for gasoline and dyed diesel used for non-highway purposes. The reduced rates are 6.44 cents per gallon and 5.75 cents per gallon of gasoline or dyed diesel. These fuels are generally taxed at 18 cents per gallon if for on road use.*

### Gasoline Used for Non-Highway Purposes

You may be entitled to a refund of 11.56 cents per gallon (making this an equivalent to a tax rate of 6.44 cents per gallon) if you desire to purchase gasoline to be used off road. The gasoline must be used for agricultural, maritime, industrial, manufacturing, domestic or non-highway purposes only.

Examples of non-highway include gasoline used in boats, golf carts, machinery used for manufacturing or farm equipment used exclusively in plowing, planting or harvesting farm products.

### Refund Gasoline User

The refund is based on the amount of gallons used. Before a refund is issued, you are required to...

1. Obtain a refund gasoline user's permit and a certificate for refund booklet from the Department of Revenue;
2. Have a storage tank marked "REFUND GASOLINE"; and,
3. Purchase the gasoline from someone who holds a refund gasoline dealer's permit.

No refund will be allowed for gasoline used in motor vehicles owned or operated by a government entity or used in Mississippi government contracts.

### Refund Gasoline Dealer

You must obtain a refund gasoline dealer's permit from the Department of Revenue before selling refund gasoline. At no time should the gasoline be delivered to a tank that is not properly marked. The gasoline must be dyed a distinctive mahogany color at the time of delivery.

The Department of Revenue may waive the dye requirement if the dye may cause damage to the equipment. The refund gasoline user is required to obtain the waiver from the Department of Revenue.

### Dyed Diesel Used for Non-Highway Purposes

Unlike gasoline, you are not required to apply for a refund if you desire to purchase dyed diesel to be used off road. Mississippi provides a reduced rate of 5.75 cents per gallon on dyed diesel used off road. Diesel used on road is subjected to 18 cents per gallon. Dyed diesel used in motor vehicles owned or operated by a government entity or used in Mississippi government contracts will be subjected to 18 cents per gallon.

### Dyed Diesel Used on the Highway

Any person who purchases, receives, acquires or uses dyed diesel for highway use will be liable to pay 18 cents per gallon and subject to a penalty in the amount of \$1000.

### Identifying Dyed Diesel

Storage facilities for dyed diesel must be plainly marked "NONHIGHWAY DIESEL FUEL" or "NONHIGHWAY KEROSENE". Retailers are also required to mark all pumps or dispensing equipment.



## Special Fuel Used on Government Contracts

### State and Local Government Contracts

Special fuel purchased, acquired or used in performing contracts with the State of Mississippi, counties, municipalities or any political subdivision is taxed at a rate of 18 cents per gallon. Special fuel includes but is not limited to the following:

- Dyed diesel fuel;
- Kerosene;
- Undyed diesel fuel; and,
- Fuel oil.

State and local government contracts include construction, reconstruction and maintenance or repairs of projects such as roads, bridges, water systems, sewer systems, buildings, drainage canals and recreational facilities. The Department of Revenue may require contractors to remit the excise tax directly to the state in lieu of paying the tax to a distributor.

### Special Fuel Direct Pay Permit

Contractors that remit the excise tax to the state will be issued a Special Fuel Direct Pay Permit. This permit relieves the distributor from collecting the tax and requires the contractor to file a monthly special fuel return. The distributor should include the contractor's permit number on all invoices that are related to tax-free sales.

The contractor is required to furnish a surety or cash bond guaranteeing the payment of the excise tax prior to receiving the Special Fuel Direct Pay Permit. The Department of Revenue may accept a contractors tax bond if the bond covers the excise tax levied on special fuel.

### Special Fuel Distributors

If the contractor does not have a Special Fuel Direct Pay Permit, distributors are required to collect the 18 cents excise tax and remit the tax to the Department of Revenue. The additional 12.25 cents levied on special fuel (excluding undyed diesel) should be reported on schedules 5F and 5G of the special fuel return.

### Environmental Protection Fee

Special fuel distributors are required to collect the environmental protection fee even if the contractor has a Special Fuel Direct Pay Permit. The fee is levied at 4/10<sup>ths</sup> of a cent per gallon. The fee is suspended or reinstated when the trust fund has exceeded or fallen below the obligatory balance.

### Penalties

Any person who knowingly and willfully purchases untaxed fuel for use in equipment utilized on a road or highway construction site in this state is guilty of a misdemeanor and, upon conviction, shall be fined not less than \$1,000 or more than \$100,000, or imprisoned in the county jail for not more than one year, or both.



## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2954

CODE: (IS)

DATE: 12/01/2020

SUBJECT: Reflective Sheeting for Signs

Bidders are hereby advised that the retroreflective sign sheeting used for signs on this project shall be as listed below and shall meet the requirements of Subsection 721.06.

### Temporary Construction Signs

Temporary traffic control (orange) sign sheeting shall be a minimum Type IX Fluorescent Orange sheeting as shown in Special Provision 907-721.

### Permanent Signs

Permanent signs, except signs on traffic signal poles/mast arms, shall be as follows:

- Brown background sheeting on guide signs shall be a minimum Type VIII sheeting,
- Green and blue background sheeting on guide signs shall be a minimum Type IX sheeting, and
- All white, yellow, red, fluorescent yellow, and fluorescent yellow/green sheeting shall be Type XI sheeting.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 4702**

**CODE: (SP)**

**DATE: 11/22/2022**

**SUBJECT: App for Traffic Control Reports**

Bidders are advised that the Department has created a smart phone App for completing and submitting traffic control reports (Form CSD-762) required on this project. The Contractor who monitors traffic control activities and completes traffic control reports will be required to download and use this App when completing and submitting traffic control reports. The reports will then be readily available to all persons who need access to the forms. The App is free and is available for downloading at the following location.

<https://extacctmgmt.mdot.state.ms.us/>



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 5551**

**CODE: (IS)**

**DATE: 12/06/2023**

**SUBJECT: Federal Bridge Formula**

Bidders are hereby advised that the latest revision of Federal Highway Administration Publication No. FHWA-HOP-06-105, **BRIDGE FORMULA WEIGHTS**, dated August 2006, is made a part of this contract when applicable.

Prior to the preconstruction conference, the Contractor shall advise the Engineer, in writing, what materials, if any, will be delivered to the jobsite via Interstate route(s).

Copies of the **BRIDGE FORMULA WEIGHTS** publication may be obtained by contacting:

Federal Highway Administration  
400 7<sup>th</sup> Street, SW  
Washington, DC 20590  
(202) 366-2212

or

[https://ops.fhwa.dot.gov/freight/publications/brdg\\_frm\\_wghts/](https://ops.fhwa.dot.gov/freight/publications/brdg_frm_wghts/)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 5668**

**CODE: (SP)**

**DATE: 03/06/2024**

**SUBJECT: Contract Time**

**PROJECT: SP-0059-01(136) / 109567301 – Forrest County**

The calendar date for completion of work to be performed by the Contractor for this project shall be **April 26, 2024** which date or extended date as provided in Subsection 108.06 shall be the end of contract time. It is anticipated that the Notice of Award will be issued no later than **March 15, 2024** and the effective date of the Notice to Proceed / Beginning of Contract Time will be simultaneous with the execution of the contract.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 5669**

**CODE: (SP)**

**DATE: 04/06/2024**

**SUBJECT: Cooperation Between Contractors**

**PROJECT: SP-0059-01(136) / 109567301 Forrest County**

The Bidder's Attention is hereby called to Subsection 105.07, Cooperation Between Contractors, of the 2017 Edition of the Mississippi Standard Specification for Road and Bridge Construction.

The I-59 bridge (68.8A) is part of Federal Aid Project No. IM-0059-01(121) & IM-0059-02(110) in Forrest & Jones Counties. The Contractors shall cooperate with each other and with the Department during construction of these projects.

The successful bidder shall familiarize himself with the existing contracts referred to above and comply with the provisions of Subsection 105.07, Cooperation Between Contractors.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 – NOTICE TO BIDDERS NO. 5670**

**CODE: (SP)**

**DATE: 04/06/2024**

**SUBJECT: Lane Closure Restrictions**

**PROJECT: SP-0059-01(136) / 109567301– Forrest County**

Bidders are advised of the following restrictions:

- Lane closures on US 49 and I-59 not listed on TC-1 and TC-2 shall be restricted between the hours of 7:00 pm to 5:00 am 7 days a week.
- Changes or variances from the listed restrictions shall be submitted to the Project Engineer in writing for review and written approval.

A lane rental fee of **\$1,500.00** per full or partial 5 minutes shall be assessed for closures or obstructions that extend beyond the times mentioned above. No exposed signs shall be viewable to the traveling public prior to or after the above mentioned times. No part of a closures, drums or cones, shall be in the roadway prior to or after the above mentioned times.

Failure to begin work within this one (1) hour will result in the contractor being assessed a lane rental fee of **\$1,500.00** per full or partial 5 minutes until work begins.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-101-1

CODE: (IS)

DATE: 07/20/2023

SUBJECT: Definitions and Terms

Section 101, Definitions and Terms, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-101.01--Abbreviations.** After the abbreviation API on page 1, add the following.

APL Approved Products List

Replace the abbreviation for AWPA on page 1 with the following.

AWPA American Wood Protection Association

**907-101.02--Definitions.** Delete the sentence after the list of holidays in Subsection 101.02 on page 6 under **holidays, legal**, and substitute the following.

When a legal holiday falls on a Saturday or Sunday, the succeeding Monday, or as proclaimed by the Governor, will be observed as a legal holiday.

Delete the definition for Notice to Proceed in Subsection 101.02 on page 8, and substitute the following.

**Notice to Proceed** - Written notice to the Contractor to proceed with the contract work.

Delete the definition for “Plans” in Subsection 101.02 on page 8, and substitute the following.

**plans** - The approved plans, profiles, typical cross-sections, working drawings and supplemental drawings, or exact reproduction thereof, that show the location, character, dimensions, and details of the work to be done. The plans may also include electronic files, referred to on the plans as Electronic Files Identified as Plans, which may include engineering models, spreadsheets, CADD files or other electronic files used to convey design intent. When the contract does not have an official set of plans, reference to the plans shall mean the contract documents.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-102-2

CODE: (IS)

DATE: 11/22/2017

SUBJECT: **Bidding Requirements and Conditions**

Section 102, Bidding Requirements and Conditions, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-102.01--Prequalification of Bidders.** Delete the last sentence of the third paragraph of Subsection 102.01 on page 13, and substitute the following.

The Bidder's Certificate of Responsibility number must be on file with the Department's Contract Administration Division prior to request for permission to bid.

**907-102.02--Contents of Proposal Forms.** Delete the fourth paragraph in Subsection 102.02 on page 13, and substitute the following.

Prospective bidders must complete an online request for permission to be eligible to bid a project. Upon approval, the bidder will be authorized to submit a bid electronically using Bid Express at <http://bidx.com>.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-103-2

CODE: (SP)

DATE: 06/22/2017

SUBJECT: Award and Execution of Contract

Section 103, Award and Execution of Contract, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-103.01--Consideration of Proposal.** Delete the second and third paragraphs of Subsection 103.01 on page 19, and substitute the following.

**907-103.01.1--For Projects Constructed Without Federal Funds.** Resident Contractors actually domiciled in Mississippi are to be granted preference over nonresidents in awarding of Contracts financed 100% with State funds.

In consideration of proposals that are equal to or in excess of \$50,000 and financed 100% with State funds, a nonresident bidder domiciled in a state having laws granting preference to local Contractors will be considered for such contracts on the same basis as the nonresident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. When a nonresident Contractor submits a bid equal to or in excess of \$50,000 on a contract financed 100% with State funds, a copy of the current laws from the state of domicile and an explanation thereof pertaining to treatment of nonresident Contractors shall be attached. If no preferential treatment is provided for Contractors in the state of domicile and contracts are awarded to the lowest responsible bidder, a statement to this effect shall be attached. Should the attachment not accompany the bid when submitted, the Contractor shall have 10 days following the opening of the bids to furnish the required information to the Contract Administration Director for attachment to the bid. Failure to provide the attachment within 10 days will result in the nonresident Contractor's bid being rejected and not considered for award. As used herein, the term "resident Contractor" includes a nonresident person, firm or corporation that has been qualified to do business in this State and has maintained a permanent full-time office in the State of Mississippi for two years prior to the submission of the bid, and the subsidiaries and affiliates of such a person, firm or corporation.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-105-2

CODE: (IS)

DATE: 07/20/2023

SUBJECT: Control of Work

Section 105, Control of Work, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-105.01--Authority of the Engineer.** Delete the first sentence of the second paragraph of Subsection 105.01 on page 31, and substitute the following.

The Engineer has the right to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to correct conditions unsafe for workmen or the general public, for failure to carry out provisions of the Contract, or for failure to carry out orders.

**907-105.02--Plans and Working Drawings.** Delete the first paragraph of Subsection 105.02 on page 31, and substitute the following.

After the contract is executed by the Executive Director, the Contractor will receive, free of charge, two bound copies of the proposal and contract documents (one executed and one blank) two full scale copies of the plans, five half-scale copies of the Plans, and Electronic Files Identified as Plans. The Contractor shall have one copy of the proposal and contract documents and one half-scale copy of the plans available at all times during work activity on the project.



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-108-4**

**CODE: (SP)**

**DATE: 10/07/2020**

**SUBJECT: Subletting of Contract**

Section 108, Prosecution and Progress, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-108.01--Subletting of Contract.**

**907-108.01.1--General.** Delete the third sentence of the tenth paragraph of Subsection 108.01.1 on the bottom of page 72.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-109-5

CODE: (IS)

DATE: 11/14/2023

SUBJECT: Measurement and Payment

Section 109, Measurement and Payment, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-109.01--Measurement of Quantities.** Delete the sixth full paragraph of Subsection 109.01 on page 88, and substitute the following.

If appropriate based on the specific circumstances of the project, the Contractor may request that material specified to be measured by the cubic yard or ton be converted to the other measure. The Contractor must submit this request to the Engineer. The Engineer will provide an approval or denial in writing. The decision is in the sole discretion of the Engineer. If approved, factors for this conversion will be determined by the District Materials Engineer and agreed to by the Contractor. The conversion of the materials along with the conversion factor will be incorporated into the Contract by supplemental agreement. The supplemental agreement must be executed before such method of measurement is used.

**907-109.04--Extra Work.**

**907-109.04.1--Supplemental Agreement.** Delete the second paragraph of Subsection 109.04.1 on page 90.

**907-109.04.2--Force Account Agreement.** Delete the last sentence of subparagraph (c) in Subsection 109.04.2 on page 91, and substitute the following.

An amount will be added equal to fifteen percent (15%) of the sum thereof, excluding sales tax.

Delete subparagraph (d) in Subsection 109.04.2 on pages 91 & 92, and substitute the following.

- (d) **Equipment.** Equipment used for force account work shall be of sufficient size and type necessary to perform the required work in an economic and expeditious manner. The Contractor must provide the manufacturer, make, model, year, type of fuel and other necessary information to determine proper hourly payment rates. Subject to advance approval of the Engineer, actual transportation cost for a distance of not more than 200 miles will be reimbursed for equipment not already on the project.

For equipment authorized by the Engineer for use on the force account work, the Engineer will use the equipment rental rates from the “*Rental Rate Blue Book*” as published on the Equipment Watch website [www.equipmentwatch.com](http://www.equipmentwatch.com) for the time period the force account work is authorized to determine payment to the Contractor. The maximum allowable rates

are determined as follows:

1. The hourly equipment rate will equal the FHWA total hourly rate. This rate takes into account adjustment factors for age and region.
2. The hourly estimated operating costs have been included in the FHWA total hourly rate.
3. The idle and standby rates shall be as listed in the "*Rental Rate Blue Book*" as reported by *Equipment Watch*.
4. These rates include the basic machine plus any necessary attachments.

Standby rates shall apply when equipment is not in operation and is approved by the Engineer to standby for later use to complete the work. Idle rates shall apply to equipment located on the project and the engine is burning fuel but no ground engaging or other components are actively engaged in meaningful work. In general, idle or standby rates shall apply when equipment is not in use, but will be needed again to complete the work and the cost of moving the equipment will exceed the accumulated standby cost. If the idle standby cost should exceed the equipment moving cost to or from the work site, the Contractor will be entitled to the moving cost only. Idle or standby rates will be used under the following conditions:

1. The equipment is totally dedicated to the force account work and not used intermittently on other work.
2. Idle or standby cost will be considered only after equipment has been operated on force account work.
3. The sum of idle or standby time and operating time shall not exceed eight (8) hours per day or 40 hours in a week.
4. Idle or standby payment will not apply to days not normally considered to be work days such as holidays, weekends, or days of inclement weather when no other work is taking place.

The Department will not pay for idle or standby time when equipment is inoperable, for time spent repairing equipment, or for the time elapsed after the Engineer has advised the Contractor that the equipment is no longer needed. The Department will determine if it will be more cost effective to pay standby time on approved equipment on site or for multiple mobilizations.

If equipment is needed, which is not included in the *Rental Rate Blue Book* as reported by *Equipment Watch*, the Department and Contractor will agree upon reasonable rental rates in writing before the equipment is used.

All equipment shall be subject to approval from day to day in accordance with the requirements of Subsection 108.05.

**907-109.06--Partial Payment.**

**907-109.06.2--Advancement on Materials.**

Delete the next to last paragraph of Subsection 109.06.2 on page 95, and substitute the following.

Materials for which an advanced payment has been allowed must be paid for by the Contractor within 30 days of the estimate on which the advanced payment was first allowed and proof of said payment must be verified by the supplier. If proof of payment is not furnished within the allowable 30 days, the advanced payment will be deducted on subsequent current estimates until such time that proof of payment is furnished.

**907-109.07--Changes in Material Costs.** After the fifth paragraph of Subsection 109.07 on page 96, change the web address to the following.

[https://mdot.ms.gov/portal/current\\_letting](https://mdot.ms.gov/portal/current_letting)

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-619-5

CODE: (IS)

DATE: 01/17/2018

SUBJECT: Traffic Control for Construction Zones

Section 619, Traffic Control for Construction Zones, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

## 907-619.02--Materials.

907-619.02.8--Traffic Signals and Flashers. Delete Subsection 619.02.8.1 on pages 452 thru 455, and substitute the following.

907-619.02.8.1-Portable Traffic Signals. Portable traffic signals shall be trailer or pedestal mounted units that provide for easy, legal transportation and quick setup and deployment. Each unit shall be self-contained. The types of portable traffic signals are as follows.

- Type 1 portable traffic signal shall include two signal heads per trailer with one signal head mounted on an overhead mast arm that can be extended over the travel lane, and the other signal head shall be mounted on the vertical upright of the trailer.
- Type 2 portable traffic signal shall include one signal head that is mounted on the vertical upright of the pedestal/cart or trailer. Pedestal/Cart mounted shall be designated as Type 2A and Trailer mounted shall be designated as Type 2B. Type 2 portable traffic signals shall be tested to MASH Standards or NCHRP Test Level 3 crash testing requirements by an accredited independent test facility, with supporting documentation available upon request.
- Type 3 portable traffic signal shall be the same as Type 1 mentioned above but with enhanced capabilities as mentioned in each applicable section below.

The portable traffic signals shall be MUTCD Compliant and utilize standard ITE signal heads, and adhere to the ITE Specifications and Standards for Vehicle Traffic Control Signal Heads, Light Emitting Diode (LED) Circular Signal Supplement. The units shall be battery powered with a solar charging system, and be equipped with an onboard battery charger capable of being used with a 120V AC power source. Portable traffic signals shall be able to communicate with other portable signals via 900 MHz or other accepted wireless communications. If wireless connectivity is not feasible, hardwired connectivity shall be an acceptable alternative, as approved by the Engineer. Portable Traffic Signals shall include all the major components listed below or be able to perform the functions of these components. The major components of the unit shall include, but are not limited to, the trailer or pedestal/cart, telescoping mast arm (on Type 1 and 3), signal head(s) and back plates, traffic signal controller with operating software, solar charging system with batteries, input and output devices, vehicle detection, flasher units, conflict monitor, relays,

communications system and other equipment required for the safe operation and installation of the unit.

**907-619.02.8.1.1--Signal Heads.** The signal heads and all applicable components of the portable traffic signal shall meet the physical display and operational requirements of conventional traffic signals as specific in the Manual on Uniform Traffic Control Devices (MUTCD). The signal heads shall be cast aluminum or polycarbonate and shall meet the requirements laid out in the Mississippi Standard Specification for traffic signal heads and associated MDOT material specifications for traffic signal heads. The signal heads shall accommodate standard 12-inch LED indications meeting the ITE Specification “Vehicle Traffic Control Signal Heads” and ITE Specifications and Standards for Vehicle Traffic Control Signal Heads, Light Emitting Diode (LED) Circular Signal Supplement.

For Type 1, Type 2 and Type 3 portable traffic signals, the signal heads shall have the ability to be rotated 180 degrees to face in the opposite direction and shall have the ability to rotate and lock in approximately 10 degree increments to position the signal head for the optimum visibility to motorists.

For Type 1 portable traffic signals, each unit shall contain two signal heads with one signal head mounted on an overhead mast arm that can be extended over the travel lane with a minimum clearance of 17 feet measured from the bottom of the signal head unit to the road surface. The lower signal head shall be mounted to the vertical upright of the trailer at a minimum height of eight feet (8') from the bottom of the signal head unit to the road surface.

For Type 2 portable traffic signals, the signal head shall be mounted to the vertical upright of the trailer at a minimum height of eight feet (8') from the bottom of the signal head unit to the road surface.

For Type 3 portable traffic signals, each unit shall be the same as Type 1 mentioned above but with enhanced capabilities as mentioned below.

**907-619.02.8.1.2--Controller and Operating Requirements.** The portable traffic signal (Types 1, 2, and 3) shall include a solid state Controller Unit (CU) that is in compliance with NEMA TS 5 Performance Standard. The CU shall have an easy to read front panel backlit display for viewing and programming the configuration settings and CU status. The CU shall be capable of operating the portable traffic signal system in a fixed time, traffic actuated or manual control mode. Multiple portable traffic signals shall have the capability to be interconnected to form a portable traffic signal system. Each portable traffic signal within a connected system shall have the capability to serve as either the master or remote signal. Each portable traffic signal shall include a Conflict Monitor Unit (CMU), or Malfunction Management Unit (MMU) to ensure phase conflicts do not exist during operation.

For Type 1 and Type 2 portable traffic signals, a minimum of five (5) automatic time-of-day timing plans within a 24-hour period should be available in fixed time mode. The CU should have the ability to control a minimum of four (4) traffic phases with programmable cycle time adjustments and user adjustable red, amber, minimum green and maximum green times. The CU shall have

the capability of programming green and red times from 1 to 999 seconds and yellow times up to 15 seconds in one-second increments. The CU shall also have the capability of facilitating standby modes of red, red flash and yellow flash.

For Type 3 portable traffic signals, a minimum of ten (10) automatic time-of-day timing plans within a 24-hour period should be available in fixed time mode. The CU should have the ability to control a minimum of 16 traffic phases with programmable cycle time adjustments and user adjustable red, amber, minimum green and maximum green times. The CU shall have the capability of programming green and red times from 1 to 999 seconds and yellow times up to 15 seconds in one-second increments. The CU shall also have the capability of facilitating standby modes of red, red flash and yellow flash.

The system shall also have the ability to operate in vehicle actuation mode when vehicle detection components are used. The operating system shall have the capability to allow the Portable Traffic Signal to be connected to and controlled by a standard NEMA controller.

The system shall have the capability to be controlled remotely using a hardwired or wireless remote. The wireless radio remote shall be capable of communicating at a clear line of site distance up to ¼ mile from the master.

The CU shall have the capability of interfacing with a Remote Monitoring System (RMS) capable of reporting signal location, battery voltage, and system faults. The RMS shall include a password-protected web site, viewable via an internet connection. In the event of a system fault, the RMS shall provide specific information concerning the cause of the system fault (example: "red lamp on signal number 1 out"). The RMS shall immediately contact previously designated individuals via SMS text messaging or email, upon a fault event.

The active timing program operating the PTS system shall be available and viewable through the RMS website at all times. The RMS shall maintain a history of the operating system in each signal including total operating hours, alerts, and the location of the PTS trailer.

**907-619.02.8.1.3--Wireless Communications.** The portable traffic signals shall communicate with other portable traffic signals within the signal system via license-free wireless 900 MHZ radio link communications as specified in Subsection 662.02.2 of the radio Interconnect System specification. The radio units shall maintain communications at a minimum distance of one (1) mile. The radio system shall conform to the applicable Federal Communications Commission requirements and all applicable state and local requirements.

The portable traffic signals shall be in direct communication at all times either by wireless or hardware connection to provide for the required conflict monitoring / malfunction management system.

**907-619.02.8.1.4--Power Requirements.** Each Portable Traffic Signal shall be equipped with a power source consisting of a solar collection array, solar controller and/or charging unit and batteries sufficient to operate the signal system. The number and size of batteries shall be sufficient to operate the Type 1 and Type 3 signals for a minimum of 30 days and Type 2A signals for

minimum of five (5) days, and Type 2B signals for minimum of 15 days without additional charging or assist from the solar array. An on-board battery charger shall be compatible with both the solar array and with a 120V AC power source.

For Type 1 signals, the solar panel array shall provide for a minimum of 440 watts of solar collection capability.

For Type 2A signals, the solar panel array shall provide for a minimum of 90 watts of solar collection capability.

For Type 2B signals, the solar panel array shall provide for a minimum of 110 watts of solar collection capability.

For Type 3 signals, the solar panel array shall provide for a minimum of 480 watts of solar collection capability and shall include a tilt and rotate system to optimally position the panels.

All instrumentation for the electrical system and battery compartment shall be contained in a lockable weatherproof enclosure. Solar panels shall be secured to the mounting brackets for theft prevention.

**907-619.02.8.1.5--Trailer and Lift System.** The trailer or pedestal/cart and all mounted components shall conform to the wind loading requirements as follows: 100 mph minimum for Type 1 portable traffic signals, 55 mph minimum for Type 2A portable traffic signals, 75 mph minimum for Type 2B portable traffic signals, and 90 mph minimum for Type 3 portable traffic signals as described in the AASHTO *Standard Specifications for Highway Signs, Luminaries and Traffic Signals*, as specified in the plans including all interims and updates. At the request of the Engineer, proof of conformance to these wind load ratings shall be verified by a third-party. No additional loose ballast shall be used to meet these wind load requirements. The trailer shall be made of structural steel and shall include four (4) leveling/stabilizer jacks capable of lifting the trailer a minimum of six inches (6”).

The trailer or pedestal shall be equipped with a mechanical, hydraulic or electric lift system sufficient for one person to be able to raise and lower the vertical upright and/or horizontal mast arm to and from the operating position.

For Type 1, 2B, and Type 3 signals, the trailer shall be equipped to provide legal and safe transport on the public highway system at speeds up to 55 mph.

All exterior metal surfaces, except signal heads and back plates, shall be powder-coat painted highway safety orange.

**907-619.02.9--Impact Attenuators.** Delete the sentence in the first paragraph of Subsection 619.02.9 on page 455, and substitute the following.

Impact attenuators must be listed on the Department's APL.



**907-619.02.11--Snap-Back Delineators.** Delete the sentence in the paragraph of Subsection 619.02.11 on page 456, and substitute the following.

Snap-back delineators shall be selected from the list of surface mounted flexible delineator posts as shown on the Department's APL.

**907-619.02.14--Changeable Message Sign.**

**907-619.02.14.5--PCMS Controller and Storage Cabinets.** Delete the fifth sentence in the first paragraph of Subsection 619.02.14.5 on pages 462 and 463, and substitute the following.

The controller cabinet shall be illuminated.

**907-619.05--Basis of Payment.** Add the following to the list of pay items ending on page 480.

907-619-E3: Changeable Message Sign \*\*\*\*\* - per each

907-619-H2: Traffic Signal, Portable, Type \_\_\_\_ - per each

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-701-3

CODE: (IS)

DATE: 05/04/2021

SUBJECT: Hydraulic Cement

Section 701, Hydraulic Cement, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-701.01--General.** In the first sentence of the second paragraph of Subsection 701.01 on page 718, change “mills” to “plants.”

In the second sentence of the sixth paragraph of Subsection 701.01 on pages 718 and 719, change “shall” to “will.”

**907-701.02--Portland Cement.**

**907-701.02.1-General.**

**907-701.02.1.2--Alkali Content.** Delete the sentence in Subsection 701.02.1.2 on page 719, and substitute the following.

When used in portland cement concrete, the total alkali contribution from all cement types in this Subsection shall not exceed 4.0 lb. per cubic yard of concrete calculated as follows:

$$\text{lb alkali per cu Yd} = \frac{(\text{lb cement per cu Yd}) \times (\% \text{Na}_2\text{O equivalent in cement})}{100}$$

In the above calculation, the maximum cement alkali content reported on the cement mill certificate shall be used. An example calculation can be found in the Department’s *Concrete Field Manual*.

**907-701.02.2--Replacement by Other Cementitious Materials.** Delete the paragraph in Subsection 701.02.2 on page 719, and substitute the following.

The maximum replacement of cement by weight is 25% for fly ash or 50% for ground granulated blast furnace slag (GGBFS). Replacement contents below 20% for fly ash or 45% for GGBFS may be used, but will not be given any special considerations, such as the maximum acceptance temperature for portland cement concrete containing pozzolans in Subsection 804.02.13.1.5. Special considerations shall only apply for replacement of cement by fly ash or GGBFS.

Delete Subsection 701.02.2.1 on pages 719 and 720, and substitute the following.

**907-701.02.2.1--Portland Cement Concrete Exposed to Soluble Sulfate Conditions or Seawater.**

When portland cement concrete is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall be as follows in Table 1. Class C fly ash shall not be used as a replacement for cement in any of the sulfate exposure conditions listed in Table 1.

**Table 1- Cementitious Materials for Soluble Sulfate Conditions or Seawater**

Sulfate Exposure	Water-soluble sulfate (SO <sub>4</sub> ) in soil, % by mass	Sulfate (SO <sub>4</sub> ) in water, ppm	Cementitious material required
Moderate and Seawater	0.10 - 0.20	150 - 1,500	Type I cement with one of the following replacements of cement by weight: 24.5 - 25.0% Class F fly ash, or 49.5 - 50.0% GGBFS or Type II <sup>**</sup> cement
Severe	0.20 - 2.00	1,500 - 10,000	Type I cement with a replacement by weight of 49.5 - 50.0% GGBFS, or Type II <sup>*</sup> cement with one of the following replacements of cement by weight: 24.5 - 25.0% Class F fly ash, or 49.5 - 50.0% GGBFS

\* Type III cement conforming to AASHTO M85 with a maximum 8% tricalcium aluminate (C<sub>3</sub>A) may be used in lieu of Type II cement as allowed in Subsection 701.02.1; this cement is given the designation “Type III(MS).”

\*\* Class F fly ash or GGBFS may be added as a replacement for cement as allowed in Subsection 907-701.02.2.

Delete Subsection 701.02.2.2 on page 720, and substitute the following.

**907-701.02.2.2--Portland Cement for Soil Stabilization Exposed to Soluble Sulfate Conditions or Seawater.** When portland cement for use in soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall meet the requirements of Subsection 701.02.2.1.

**907-701.04--Blended Hydraulic Cement.**

**907-701.04.1--General.** Delete Subsection 701.04.1.1 on page 720, and substitute the following.

**907-701.04.1.1--Types of Blended Hydraulic Cement.** Blended hydraulic cements (blended cements) shall be of the following types and conform to AASHTO M 240:

- Type IL – Portland-limestone cement
- Type IP – Portland-pozzolan cement
- Type IS – Portland blast-furnace slag cement

Blended cement Types IL, IP, and IS meeting the “MS” sulfate resistance requirement listed in AASHTO M 240, Table 3 shall have the “(MS)” suffix added to the type designation.

**907-701.04.1.2--Alkali Content.** Delete the sentence in Subsection 701.04.1.2 on page 720, and substitute the following.

All blended cement types shall be made with clinker that would result in cement meeting the requirements of Subsection 701.02.1.2 when used in the production of AASHTO M 85, Type I or Type II cement.

The blended cement manufacturer shall include the percent equivalent alkalis as Na<sub>2</sub>O on their cement mill reports.

When calculating the total alkali contribution with blended cements, use the equivalent alkali content of the base portland cement. An example calculation for cases where blended cements are used can be found in the Department’s *Concrete Field Manual*.

**907-701.04.2--Replacement by Other Cementitious Materials.** Delete the paragraph in Subsection 701.04.2 on page 720, and substitute the following.

The maximum replacement of blended cement Type IL by weight is 35% for fly ash or 50% for GGBFS. Replacement contents below 20% for fly ash or 45% for GGBFS may be used, but will not be given any special considerations, such as the maximum acceptance temperature for blended cement concrete containing pozzolans in Subsection 804.02.13.1.5. Special considerations shall only apply for replacement of blended cement by fly ash or GGBFS.

No additional cementitious materials, such as portland cement, blended cement, fly ash, GGBFS, or others, shall be added to or as a replacement for blended cement Types IP and IS.

Delete Subsection 701.04.2.1 on pages 720 and 721, and substitute the following.

**907-701.04.2.1--Blended Cement Concrete Exposed to Soluble Sulfate Conditions or Seawater.** When blended cement concrete is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall be as follows in Table 2. Class C fly ash shall not be used as a replacement for cement in any of the sulfate exposure conditions listed in Table 2.

**Table 2- Cementitious Materials for Soluble Sulfate Conditions or Seawater**

Sulfate Exposure	Water-soluble sulfate (SO <sub>4</sub> ) in soil, % by mass	Sulfate (SO <sub>4</sub> ) in water, ppm	Cementitious material required
Moderate and Seawater	0.10 - 0.20	150 - 1,500	Type IL (MS) * cement, Type IL cement with one of the following replacements of cement by weight: 24.5 - 35.0% Class F fly ash, or 49.5 - 50.0% GGBFS, Type IP (MS) cement, or Type IS (MS) cement
Severe	0.20 - 2.00	1,500 - 10,000	Type IL cement with a replacement of cement by weight of 49.5 - 50.0% GGBFS, or Type IL (MS) cement with one of following replacements of cement by weight: 24.5 - 35.0% Class F fly ash, or 49.5 - 50.0% GGBFS

\* Class F fly ash or GGBFS may be added as a replacement for cement as allowed in Subsection 907-701.04.2.

Delete Subsection 701.04.2.2 on page 721, and substitute the following.

**907-701.04.2.2--Blended Cement for Soil Stabilization Exposed to Soluble Sulfate Conditions or Seawater.** When blended cement for use in soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall meet the requirements of Subsection 701.04.2.1.

Delete Subsection 701.04.3 on page 721.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-702-4**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Bituminous Materials**

Section 702, Bituminous Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-702.04--Sampling.** Delete the sentence in Subsection 702.04 on page 722, and substitute the following.

Sampling of bituminous materials shall be as set out in AASHTO R 66.

**907-702.07--Emulsified Asphalt.** Delete the last sentence in Subsection 702.07 on page 724, and substitute the following.

Asphalt for fog seal shall conform to the requirements of Subsection 907-702.12, Table V.

**907-702.12--Tables.** Delete Table V in Subsection 702.12 on page 729, and substitute the following.

**TABLE V  
SPECIFICATION FOR FOG SEAL**

Test Requirements	LD-7		CHPF-1		Test Method
	Min.	Max.	Min.	Max.	
Viscosity, Saybolt Furol, @ 25°C, Sec.	10	100	-	100	AASHTO T 72
Storage Stability Test, 24 hr, %	-	1	-	1	AASHTO T 59
Settlement, 5 day, %	-	5	-	-	AASHTO T 59
Oil Distillate, %	-	1	-	-	AASHTO T 59
Sieve Test, % *	-	0.3	-	0.1	AASHTO T 59
Residue by Distillation, %	40	-	40	-	AASHTO T 59
<b>Test on Residue from Distillation</b>					
Penetration @ 25°C, 100g, 5 sec	-	20	40	90	AASHTO T 49
Softening Point, °C	65	-	-	-	ASTM D 36
Solubility in trichloroethylene, %	97.5	-	-	-	AASHTO T 44
Elastic Recovery @ 25°C, %	-	-	40	-	AASHTO T 301
Original DSR @ 82° (G*/Sinδ, 10 rad/sec)	1	-	-	-	AASHTO T 111

\* The Sieve Test result is tested for reporting purposes only and may be waived if no application problems are present in the field.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-703-2**

**CODE: (SP)**

**DATE: 11/29/2022**

**SUBJECT: Gradation**

Section 703, Aggregates, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-703.03--Coarse Aggregates for Hydraulic Cement Concrete.**

**907-703.03.2--Detail Requirements.**

**907-703.03.2.4--Gradation.** In the table in Subsection 703.03.2.4 on page 734, add 100 for the percent passing by weight on the 1½-inch sieve for Size No. 67 aggregates.

Delete Note 2 under the table in Subsection 703.03.2.4 on page 734, and substitute the following.

Note <sup>2</sup> – 100 percent shall pass the 1-inch sieve for Size 67 used in Class F and Class FX concrete.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-705-1**

**CODE: (IS)**

**DATE: 06/13/2018**

**SUBJECT: Stone Riprap**

Section 705, Stone Blanket Protection and Filter Blanket Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-705.04--Stone Riprap.** Delete the last sentence of the first paragraph of Subsection 705.04 on page 750, and substitute the following.

Quality requirements for rock to be furnished under these specifications will come from a pre-approved source and be visually approved prior to use.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-707-3

CODE: (IS)

DATE: 10/27/2021

SUBJECT: Joint Materials

Section 707, Joint Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-707.02--Joint Filler.

907-707.02.2--Preformed Sponge, Rubber, Cork and Closed-Cell Polypropylene Foam Joint Fillers for concrete Paving and Structural Constructions. Delete the two paragraphs of Subsection 707.02.2 on page 755, and substitute the following.

Preformed joint filler shall conform to AASHTO M 153 for sponge, rubber, and cork and tested according to ASTM D545. The type required will be indicated on the plans.

Closed-cell polypropylene foam shall conform to the requirements in ASTM D8139 and tested in accordance with ASTM D545.

907-707.02.3--Wood. Delete paragraph (b) of Subsection 707.02.3 on page 755, and substitute the following:

- (b) Dimensions shall be as shown on the plans. Dimensions shown on the plans are “dressed” sizes in accordance with Table 3 of the American Softwood Lumber Standard, SP-20. At the discretion of the Engineer, a 3/4-inch dressed board may be used in lieu of a 1-inch dressed board. A tolerance of plus or minus 1/16 inch thickness and plus or minus 1/8 inch width will be permitted. For slip-form paving a tolerance of minus 1/4 inch on each end in length will be permitted.

907-707.06--Flexible Plastic Gasket for Joining Conduit. Delete the third paragraph of Subsection 707.06 on page 756, and substitute the following.

The Department may require the performance test described in ASTM C 990.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-711-2**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Plain Steel Wire**

Section 711, Reinforcement and Wire Rope, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-711.02--Deformed and Plain Carbon-Steel Bars for Concrete Reinforcing.**

**907-711.02.3--Steel Welded and Non-Welded Wire Reinforcement, Plain and Deformed, for Concrete.**

**907-711.02.3.1--Plain Steel Wire.** Delete the sentence in Subsection 711.02.3.1 on pages 780 and 781, and substitute the following.

Plain steel wire and plain steel welded wire shall conform to the requirements of AASHTO M 336.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-712-1

CODE: (SP)

DATE: 12/07/2021

SUBJECT: Fence and Guardrail

Section 712, Fence and Guardrail, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-712.01--General.** After the sentence in Subsection 712.01 on page 785, add the following.

All materials' inspection, testing, and certification will be performed in accordance with the requirements of the current version of the Department's *Materials Division Inspection, Testing, and Certification Manual*.

Delete Subsections 712.02 and 712.03 on page 785, and substitute the following.

**907-712.02--Barbed Wire.** Barbed wire shall conform to the requirements of AASHTO M 280. In the coastal counties of Hancock, Harrison, and Jackson, either Coating Type Z Class 3 or Coating Type A shall be furnished. In all other areas of the State, either Coating Type Z Class 1, Coating Type Z Class 3, Coating Type ZA Class 60, or Coating Type A shall be furnished.

**907-712.03--Metallic-Coated, Steel Woven Wire Fence Fabric.** Woven wire fencing (i.e., "hog wire") shall conform to the requirements of AASHTO M 279. In the coastal counties of Hancock, Harrison, and Jackson, either Coating Type Z Class 3 or Coating Type A shall be furnished. In all other areas of the State, either Coating Type Z Class 1, Coating Type Z Class 3, Coating Type ZA Class 60, or Coating Type A shall be furnished.

**907-712.04--Chain Link Fence.** Delete Subsections 712.04.1 thru 712.04.7 on pages 785 & 786, and substitute the following.

**907-712.04.1--Fabric.** In the coastal counties of Hancock, Harrison, and Jackson, either Type I Class D, Type II, Type III, or Type IV fabrics shall be furnished. In all other areas of the State, either Type I Class C, Type I Class D, Type II, Type III, or Type IV fabrics shall be furnished.

**907-712.04.2--Tie Wire.** Tie wire shall be of the same material as the fencing wire being used, shall be of good commercial quality, and shall meet the requirements of AASHTO M 181. Either Type I, Type II, Type III, or Type IV tie wire shall be furnished.

**907-712.04.3--Tension Wire.** Tension wire shall be of the same material as the fencing wire being used, shall be of good commercial quality, and shall meet the requirements of AASHTO M 181. In the coastal counties of Hancock, Harrison, and Jackson, either Type I Class 3, Type II, Type III, or Type IV tension shall be furnished. In all other areas of the State, either Type II, Type III, Type IV, or Type I Classes 1, 2, or 3 tension wires shall be furnished.

**907-712.04.4--Posts Rails, Gate Frames, and Expansion Sleeves.** Posts, rails, gate frames, and expansion sleeves shall conform to the requirements for posts in Subsection 712.05.2, unless otherwise designated in the contract.

**907-712.04.5--Miscellaneous Fittings and Hardware.** Miscellaneous fittings and hardware shall conform to the requirements of Subsection 712.16.

**907-712.05--Fence Posts and Braces.**

**907-712.05.1--Treated Timber Posts and Braces.**

**907-712.05.1.1--General.** Delete the third, fourth, fifth, and sixth paragraphs of Subsection 712.05.1.1 on page 787, and substitute the following.

All wood posts and braces shall be treated in accordance with Subsections 718.03 and 718.04.

**907-712.05.1.2--Round Posts.** Delete the last sentence of the last paragraph of Subsection 712.05.1.2 on page 788.

**907-712.05.1.3--Sawed Posts.** Delete the last sentence of the paragraph of Subsection 712.05.1.3 on page 788.

**907-712.05.1.4--Sawed Braces.** Delete the last sentence of the paragraph of Subsection 712.05.1.4 on page 788.

Delete Subsection 712.05.2 on page 788, and substitute the following.

**907-712.05.2--Metal Posts.**

**907-712.05.2.1--Round Steel Pipe.** Round steel pipe shall meet the requirements of AASHTO M 181, either Grade 1 (i.e., meeting the requirements in ASTM F 1083) or Grade 2 (i.e., meeting the requirements of ASTM F 1043).

Round steel pipe shall be sized in accordance with NPS (nominal pipe size) designations as shown on Plans, and not according to the outer or inner pipe diameter.

**907-712.05.2.2--Steel Fence Post and Assemblies, Hot-Wrought.** Steel posts with the following section shapes, Tee, channel or U, and Y-Bar shall meet the requirements of AASHTO M 281, galvanized in accordance with the requirements of AASHTO M 111, unless otherwise specified in the contract. Acceptance of these steel posts shall be by certification from the manufacturer, producer, supplier, or fabricator, as applicable.

**907-712.05.2.3--Blank.**

**907-712.05.2.4--Steel H-Beam Posts.** Steel H-Beam posts shall be produced from structural quality weldable steel having a minimum yield strength of 45,000 psi and shall be galvanized in accordance with ASTM A 123. Steel H-Beam line posts shall be 2.250 inches by 1.625 inches and shall weigh 3.43 pounds per foot. A tolerance of plus or minus 5.0 percent is allowed for

weight per foot. A tolerance of plus or minus 1.0 percent is allowed for dimensions.

**907-712.05.2.5--Aluminum-Alloy Posts and Assemblies.** Round aluminum-alloy posts shall meet the requirements of ASTM B 241, Alloy 6061, T6. Aluminum-Alloy H-Beam posts shall meet the requirements of ASTM B 221, Alloy 6061, T6.

**907-712.05.2.6--Formed Steel Section Posts.** Formed steel section posts, "C" sections, shall be formed from sheet steel conforming to ASTM A 1011, Grade 45, and shall be galvanized in accordance with ASTM A 123.

**907-712.06--Guard and Guardrail Posts.**

**907-712.06.2--Treated Wood Posts.**

**907-712.06.2.1--Square Posts.** Delete the paragraph in Subsection 712.06.2.1 on page 789, and substitute the following.

All square posts shall be inspected for conformance with Section 712.05, except that the posts may be rough and shall be within  $\pm 3/8$ " of the dimensions shown on the plans.

**907-712.06.2.2--Round Posts.** Delete the paragraph in Subsection 712.06.2.2 on page 789, and substitute the following.

All round posts shall be inspected for conformance with Section 712.05, except that the posts shall be of the shape and dimensions shown on the plans.

**907-712.06.5--Treated Wood Blocks for Use with Metal Guardrail Posts.** Delete the paragraphs of Subsection 712.06.5 on pages 789 & 790, and substitute the following.

Treated wood blocks for use with metal guardrail posts shall be within  $\pm 3/8$ " of the size and dimensions shown on the plans, except that a minus tolerance shall not be allowed for the slotted width in which the metal post must fit.

Delete Subsection 712.16 on page 791, and substitute the following.

**907-712.16--Hardware.** All ferrous metal hardware for fencing such as bolts, nuts, washers, and metal straps shall be as specified on the plans and galvanizing shall not be less than 1.0 ounce per square foot of uncoated area. Aluminum coated hardware shall be coated with aluminum meeting the requirements of AASHTO M 181 for aluminum coating and at the rate of not less than 0.4 ounces per square foot of uncoated area.

Aluminum alloy hardware shall conform to the requirements of ASTM B 221 for extruded aluminum alloy 6063, T6. The finished members shall be of uniform quality.

Aluminum-zinc coated hardware shall be coated with an aluminum-zinc alloy meeting the chemical requirements and weight of coating specified for aluminum-zinc alloy coated metal gates.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-714-3

CODE: (SP)

DATE: 08/31/2021

SUBJECT: Miscellaneous Materials

Section 714, Miscellaneous Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-714.01--Water.**

**907-714.01.1--General.** Delete the last sentence of the second paragraph in Subsection 714.01.1 on page 794.

**907-714.01.2--Water for Use in Concrete.** Delete Subsection 714.01.2 on page 794, and substitute the following:

Water from municipal sources is permitted be used as mixing water in concrete, mortar, and grout without Department testing. Water from non-municipal water sources used in mixing of concrete, mortar, and grout which does not meet the requirements in Subsection 714.01.1 shall be tested for conformance as required in AASHTO M157, Table 1 and Table 2.

**907-714.01.3--Water for Use in Chemically Stabilized Based.** Delete the first sentence of first paragraph in Subsection 714.01.3 on page 794, and substitute the following:

Water used in the construction of bases that contain cement, lime, or other chemical additive shall be as set out in Subsection 714.01.1. Water from municipal sources is permitted to be used without testing for conformance to the requirements below. If water is not from a municipal source, it shall not contain impurities in excess of the following limits:

Delete Subsection 714.01.6 on page 795, and substitute the following.

**907-714.01.6--Blank.**

**907-714.05--Fly Ash.**

**907-714.05.1--General.** Delete the first sentence of the fifth paragraph in Subsection 714.05.1 on page 797.

**907-714.13--Geotextiles.**

**907-714.13.11--Tables.** Delete Table 1 in Subsection 714.13.11 on page 813, and substitute the following.

**Table 1 - Geotextiles**

Type Designation	I <sup>1</sup>	II <sup>1</sup>	III	IV	V	VI		VII		VIII	IX	Test Method
	Sediment Control	Drainage	Paving	Separation & Drainage	Separation, Stabilization & Reinforcement	Non-Woven	Woven	Non-Woven	Woven	High Strength		
Grab Strength (lb)	50	90	110	90	200	180	280	180	450	280	280	ASTM D 4632
Elongation (%)	---	50% max @ 45 lb	20% min	50% min @ break	50% min	50% min	50% max	50% min	50% max	50% min	50% min	ASTM D 4632
Seam Strength (lb)	---	---	70	---	180	160	240	160	400	240	240	ASTM D 4632
Puncture Strength (lb)	---	---	40	---	80	75	110	75	180	115	115	ASTM D 6241
Trapezoidal Tear (lb)	---	---	40	---	80	70	100	70	150	100	100	ASTM D 4533
Asphalt Retention (gal/yd <sup>2</sup> )	---	---	---	0.2	---	---	---	---	---	---	---	ASTM D 6140
Permittivity (sec <sup>-1</sup> ) min	0.05	0.05	0.5	---	0.2	0.2	0.2	0.2	0.2	0.2	0.2	ASTM D 4491
AOS Woven (mm) max	0.60	0.60	0.6	---	0.6	0.43	0.43	---	0.43	---	---	ASTM D 4751
AOS Non-Woven (mm) max	0.84	0.84	0.43	---	0.43	0.43	---	0.43	---	0.43	---	---
Tensile Strength after UV (% Retained)	70% @ 500 hr	70% @ 500 hr	50% @ 500 hr	---	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	ASTM D 4355
Melting Point °(F)	---	---	---	325	---	---	---	---	---	---	---	ASTM D 276
Minimum Ultimate Tensile Strength <sup>3</sup> (lb/in)	---	---	---	---	---	---	---	---	---	---	660	ASTM D 4595

Notes: 1 - All property values, with the exception of apparent opening size (AOS), represent minimum average roll values in the weakest principal direction. Values for AOS represent the maximum average roll values, 2 - Values not identified in this table should meet manufacturer certification for the use and application, 3 - Machine direction

Delete Subsection 714.15 on pages 816 and 817 and substitute the following.

**907-714.15--Geogrids.**

**907-714.15.1--General.** A geogrid is defined as a geosynthetic formed by a regular network of connected elements with apertures greater than 0.25 inch to allow interlocking with surrounding soil, rock, and other surrounding materials to function primarily as reinforcement.

Geogrid shall be manufactured from an expanded strain hardened monolithic polymer sheet composed of one or more synthetic polymers and shall be mildew resistant and inert to biological degradation and naturally encountered chemicals, alkalis and acids. The geogrid shall contain stabilizers and/or inhibitors, or a resistance finish or covering to make it resistant to deterioration from direct sunlight, ultraviolet rays, and heat.

Geogrid manufacturers shall participate in and be in compliance with the American Association of State Highway Transportation Officials (AASHTO) National Transportation Product Evaluation Program's (NTPEP) Geosynthetics audit program. Geogrid shall meet the requirements of Table II for the application and type shown on the plans and shall be selected from the Department's Approved Lists.

**907-714.15.1.1--Geogrid for Retaining Walls and Reinforced Soil Slopes.** Geogrid for retaining walls and reinforced soil slopes shall be creep tested in accordance with AASHTO R69 and meet Long Term Design Load, Minimum Ultimate Tensile Strength, and open area criteria listed in Table II. Manufacturers shall perform at least one long-term creep test for no less than 10,000 hours in accordance to ASTM D 5262 for each polymer or composition of polymers from which the geogrid is produced. The long-term design load that shall be reported for design use, shall be that load at which no more than 10% strain occurs over a 100-year design life of the geogrid, as calculated in accordance with AASHTO R69. Long-term design loads shall be reported unfactored, and the AASHTO strength reduction factors (Durability and Installation, and safety factors) will be considered by the Department's Geotechnical Branch on a site specific design basis.

**907-714.15.1.2--Geogrid for Subgrade Stabilization.** Geogrid for subgrade stabilization shall meet Minimum Ultimate Tensile Strength and open area criteria listed in Table II.

**907-714.15.2--Marking, Shipment, and Storage.** Each roll or container of geogrid shall be visibly labeled with the name of the manufacturer, trade name of the product, lot number, and quantity of material. In addition, each roll or container shall be clearly tagged to show the type designation that corresponds to that required by the plans. During shipment and storage the geogrid shall be protected from direct sunlight, and temperatures above 120°F or below 0°F. The geogrid shall either be wrapped and maintained in a heavy duty protective covering or stored in a safe enclosed area to protect from damage during prolonged storage.

**907-714.15.3--Manufacturer Certification.** The Contractor shall furnish the Engineer three copies of the manufacturer's certified test reports indicating that the geogrid furnished conforms to the requirements of the specifications and is of the same composition as the originally approved



by the Department.

**907-714.15.4--Acceptance Sampling and Testing.** Final acceptance of each shipment will be based upon results of tests performed by the Department on verification samples submitted from the project, as compared to the manufacturer's certified test reports. The Engineer will select one roll or container at random from each shipment for sampling. As sample extending full width of the randomly selected roll or container and being at least five (5) square yards in area will be obtained and submitted by the Engineer. All material samples shall be provided at no cost to the State.

**TABLE II  
GEOGRIDS**

Physical Properties	Type Designation						Test Method
	I	II	III	IV	V	VI	
Long Term Design Load <sup>1</sup> , pounds per foot, Machine Direction	250	500	750	1500	2500	3500	AASHTO R69, ASTM D5262
Minimum Ultimate Tensile Strength <sup>2</sup> , pounds per foot, Machine Direction	500	1000	1500	3000	5000	7000	ASTM D6637
Open Area, percent	70	70	50	50	50	50	Direct Measurement

<sup>1</sup> Minimum design criteria requirement.

<sup>2</sup> Minimum Average Roll Value (MARV).

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-718-1

CODE: (SP)

DATE: 12/07/2021

SUBJECT: Timber and Dimension Lumber

Section 718, Timber and Dimension Lumber, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

Delete the Subsections in Section 718 on pages 836 thru 838, and substitute the following.

**907-718.01--General.** All timber and dimension lumber shall be Southern pine and shall conform in all respects to applicable requirements of AASHTO M 168. The Department reserves the right to sample and to test all materials at any time; all inspection, testing, and certification of materials will be performed in accordance with the requirements of the current version of the Department's *Materials Division Inspection, Testing, and Certification Manual*.

Timber and dimension lumber shall be furnished in the sizes shown on the plans or as specified. Unless otherwise specified, timber and dimension lumber shall be No. 1, or better, graded according to the latest American Lumber Standards.

Only one type of preservative shall be used for the treatment of materials for any one class of construction on a project, unless otherwise specified.

Where treated timber and dimensional lumber is to be used in non-highway construction or use, such as decking, handrails in walking trails, or in any manner where general public exposure by touch is possible, the treatment requirements will be as per project plans and/or approved by the State Materials Engineer.

**907-718.02--Untreated Timber and Dimension Lumber.** Untreated timber and dimension lumber shall conform to the requirements of AASHTO M 168.

**907-718.03--Treated Timber and Dimension Lumber.** Timber and dimension lumber to be treated shall meet the requirements herein specified and shall be treated as specified. Treated timber or dimensional lumber will not be accepted for use unless it has been inspected by an authorized representative of the Department and found to be satisfactory after treatment.

**907-718.03.1--Blank.**

**907-718.03.2--Treatment.**

**907-718.03.2.1--General.** All materials shall be treated in accordance with AASHTO M 133 unless otherwise directed by the Environmental Protection Agency (EPA).

**907-718.03.2.2--Blank.**

**907-718.03.2.3--Inspection.** Treated timber and dimension lumber shall be inspected by an authorized representative of the Department before being incorporated into the work. Treatment reports shall be provided to the Department for each lot of material supplied.

**907-718.03.3--Blank.**

**907-718.03.4--Storage of Treated Material.** All material treated for stock shall be stacked as compactly as possible on a well-drained surface. Material shall be supported on sills spaced as necessary, not to exceed 10 foot intervals and shall have at least one foot of air space beneath the stacks.

All materials treated with preservatives for use in buildings and applications where painting is required shall be dried after treatment. The treated wood shall be dried in accordance with American Lumber Standards.

**907-718.04--Preservative.** Preservatives shall be as specified in AASHTO M 133 unless otherwise directed by the Environmental Protection Agency (EPA).

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-720-2**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Acceptance Procedure for Glass Beads**

Section 720, Pavement Marking Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-720.01--Glass Beads.**

**907-720.01.4--Acceptance Procedures.** Delete the last sentence of the paragraph in Subsection 720.01.4 on page 841, and substitute the following.

Acceptance sampling and testing of glass beads will be in accordance with the Department's Materials Division Inspection, Testing, and Certification Manual, Section 2.9.2 -- Glass Beads.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-721-4**

**CODE: (IS)**

**DATE: 04/19/2022**

**SUBJECT: Materials for Signing**

Section 721, Materials for Signing, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-721.06--Reflective Sheeting.**

**907-721.06.2--Performance Requirements.** Delete Table 4 and Table 5 in Subsection 721.06.2 on pages 860 & 861, and substitute the following.

**MINIMUM COEFFICIENTS OF RETROREFLECTION  
Candela per foot candle per square foot (cd/ft<sup>2</sup>)  
Per ASTM Designation D4956**

**TABLE 4  
Type IX Sheeting**

Observation Angle	Entrance Angle	White	Yellow	Green	Red	Blue	Fluorescent Yellow/Green	Fluorescent Yellow	Fluorescent Orange
0.2°	-4.0°	380	285	38	76	17	300	230	115
0.2°	+30.0°	215	162	22	43	10	170	130	65
0.5°	-4.0°	240	180	24	48	11	190	145	72
0.5°	+30.0°	135	100	14	27	6.0	110	81	41
1.0°	-4.0°	80	60	8.0	16	3.6	64	48	24
1.0°	+30.0°	45	34	4.5	9.0	2.0	36	27	14

**TABLE 5  
Type XI Sheeting**

Observation Angle	Entrance Angle	White	Yellow	Green	Red	Blue	Brown	Fluorescent Yellow/Green	Fluorescent Yellow	Fluorescent Orange
0.2°	-4.0°	580	435	58	87	26	17	460	350	175
0.2°	+30.0°	220	165	22	33	10	7.0	180	130	66
0.5°	-4.0°	420	315	42	63	19	13	340	250	125
0.5°	+30.0°	150	110	15	23	7.0	5.0	120	90	45
1.0°	-4.0°	120	90	12	18	5.0	4.0	96	72	36
1.0°	+30.0°	45	34	5.0	7.0	2.0	1.0	36	27	14

After Subsection 721.10 on page 864, add the following.

**907-721.11--Digital Applied Printing.** The following addresses the requirements for digitally printed finished retroreflective traffic control signs on flat sheet aluminum and digitally printed traffic sign faces intended to be applied to a sign substrate.

**907-721.11.1--Digitally Printed Ink Systems.** Traffic signs must be produced using components, and processes that comply with the retroreflective sheeting manufacturer’s recommendations.

Digital printed ink systems used to print traffic signs must meet and comply with daytime and nighttime chromaticity (color standards) as recognized in ASTM D4956 “Standard Specification for Retroreflective Sheeting for Traffic Control.”

Digital printed ink systems must meet 70% of the initial retroreflectivity specifications of each respective reflective film color as found in ASTM D4956 “Standard Specification for Retroreflective Sheeting for Traffic Control.”

Prior to fabrication and preferably at the preconstruction meeting, the Contractor shall advise the Project Engineer in writing as to which signs on the project will be digitally printed and which ones will be screen printed. The Contractor shall submit to the Project Engineer certifications for all digitally printed signs, which will be forwarded to the State Traffic Engineer for review.

**907-721.11.2--Protective Overlay Film.** Permanent traffic signs printed with digital ink systems will be fabricated with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. The overlamine shall comply with the retroreflective sheeting manufacturer’s recommendations to ensure proper adhesion and transparency and will also meet the reflective film durability as identified in Table 1.

**Table 1  
Retroreflective Film Minimum Durability Requirements**

<b>ASTM D4956 Type</b>	<b>Full Sign Replacement Term (years)</b>	<b>Sheeting Replacement Term (years)</b>
IV	7	10
VIII	7	10
IX	7	12
XI	7	12

Temporary signs used in work zones printed with black ink only will not require a protective overlay film as long as the finished sign is warranted for a minimum outdoor durability of three years by the sheeting manufacturer.

**907-721.11.3--Inspection.** During fabrication, the Contractor shall provide sufficient testing and quality control throughout fabrication to insure good workmanship. Once the material has been received, it may be subject to random testing to ensure compliance with all requirements. If any test samples do not conform to the requirements, the entire order may be returned at the vendor’s expense.

**907-721.11.4--Traffic Sign Performance Warranty Provisions.** Based on the ASTM Type of sheeting specified, traffic control signs shall be warranted for the duration shown in Table 1. The Contractor shall supply a copy of the warranty document with complete details of terms and conditions upon request of the Department.

**907-721.11.5--Certified Digital Sign Fabricator.** Sign fabricators using digital imaging methods to produce regulated traffic signs must be certified by the reflective sheeting manufacturer whose materials are used to produce the delivered signs.

Certified sign fabricators must undergo an audit process by the sheeting manufacturer to ensure they have the proper equipment, manufacturing capabilities, manufacturing application processes and the materials required to fulfill the sheeting manufacturer's warranty obligations. Sign fabricators must recertify annually with reflective sheeting manufacturers or utilize a 3<sup>rd</sup> party certifier approved by the reflective sheeting manufacturer.

The Contractor shall submit proof of Sign Fabricator Certification as issued by the retroreflective sign sheeting manufacturer to the Project Engineer upon delivery of the signs, or with the Shop Drawings.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS NO. 907-823-7

CODE: (SP)

DATE: 10/13/2020

SUBJECT: **Preformed Joint Seal**

Section 907-823, Preformed Joint Seal, is hereby added to and becomes a part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

## **SECTION 907-823--PREFORMED JOINT SEAL**

**907-823.01--Description.** This work consists of furnishing and installing preformed joint seals in accordance with these specifications and the details shown in the Plans or drawings provided.

**907-823.02--Materials.** The Contractor shall furnish a manufacturer's certification stating that the material used meets the requirements of this specification.

The preformed joint seal shall be one of the following, or an approved equal. The size of the seal, Type I or Type II, shall be determined based on the size of the joint opening, as detailed in the Plans or drawings provided. It is the Contractor's responsibility to ensure that the size selected is appropriate for the width of the joint. Type I shall be used for joint openings less than two inches (2"). Type II shall be used for joint openings greater than two inches (2"), with the maximum joint opening being two and one-half inches (2½"). In cases where the joint opening is greater than two and one-half inches (2½"), another type of expansion material shall be required as directed by the Director of Structures, State Bridge Engineer.

1. Silicoflex Joint Sealing System  
Manufactured by R.J. Watson, Inc. in Alden, NY  
[www.rjwatson.com](http://www.rjwatson.com)
2. Wabo@SPS Joint System  
Manufactured by Watson Bowman Acme Corporation in Amherst, NY  
[www.wbacorp.com](http://www.wbacorp.com)
3. Silspec SSS Silicone Strip Seal  
Manufactured by SSI Commercial & Highway Construction Materials in Tulsa, OK  
[www.ssicm.com](http://www.ssicm.com)

**907-823.03--Construction Methods.** Preformed joint seals shall be installed in accordance with the manufacturer's recommendations. The material shall seal the deck surface, gutters, and curbs to prevent moisture or other contaminants from leaking through the joints. The joint seal shall be installed in such a manner that the top surface of the material is within the minimum and maximum depths below the roadway or bridge surface recommended by the manufacturer.

Saw cutting for the joint repair shall be accomplished by sawing at the locations and depth shown



on the joint repair detail sheets in the plans or in the contract documents. Saw cuts shall be as near vertical as possible at the saw line of the repair area. The saw cut depth shall be equivalent to the installation depth required by the manufacturer's specifications, and the type specified shall be the same as the type specified for preformed joint seal.

**907-823.04--Method of Measurement.** Preformed joint seal of the type specified will be measured in linear feet along the length of the centerline joint.

Saw cuts of the type specified will be measured by the linear foot along the length of the bridge deck on each side of the centerline joint.

**907-823.05--Basis of Payment.** Preformed joint seal, measured as prescribed above, will be paid for at the contract unit price per linear foot, which shall be full compensation for furnishing all labor, equipment, tools, materials, and incidentals necessary to complete the work.

Saw cuts, measured as prescribed above, will be paid for at the contract unit price per linear foot, which shall be full compensation for furnishing all labor, equipment, tools, materials, and incidentals necessary to complete the work.

Payment will be made under:

907-823-A: Preformed Joint Seal, Type \_\_\_\_ - per linear foot

907-823-B: Saw Cut, Type \_\_\_\_\_ - per linear foot

**NOTES ON ASSOCIATED ITEMS OF WORK:**  
**907-808-4002 JOINT REPAIR**

**Description:** Shall include the Work Necessary To Repair Joints In Concrete For The Removal Of The Existing Material As Designated In The Detail Drawings Provided. Epoxy Mortar Shall Also Be Installed Under This Item Of Work. Removal Of Existing Material Shall Be Done In Accordance With The Specifications. Materials Will Not Be Paid For Directly And Shall Be Considered As Absorbed Under This Item Of Work. Removal Of Joint Materials And Any Treat And Drips (Including But Not Limited To Cracks) Shall Be Included 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.

**907-808-4003 JOINT REPAIR WITHOUT EPOXY**

**Description:** Shall Include The Work Necessary To Repair Joints In Concrete For The Placement Of New Expansion Material, Or Existing Silicone Sealant, Compressive Sealant And A/C Sealed Joint Materials Shall Be Included Under This Item Of Work. Removal Of Joint Materials And Any Treat And Drips (Including But Not Limited To Cracks) Shall Be Included 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 Of The Sealant. The Saw Cut Type Shall Be Selected As Specified In The 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.

**907-823-4001 PREFORMED JOINT SEAL, TYPE I**  
**907-823-4002 PREFORMED JOINT SEAL, TYPE II**

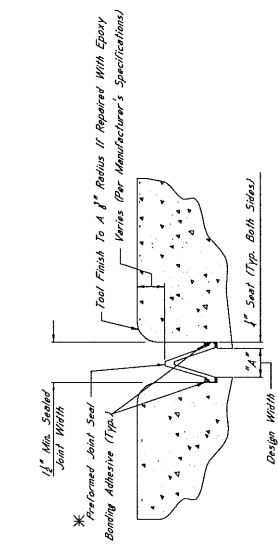
**Description:** Shall include the Manufacturer's Required Joint Preparation Including Sandblasting Both Sides Of The Joint And Blowing The Joint Preformed Joint Seal.

**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.

**EPOXY MORTAR AND POLYMER CONCRETE NOTES:**  
 Either Epoxy or the Polymer Concrete may be used in all circumstances Specifications.

**GENERAL NOTES:**

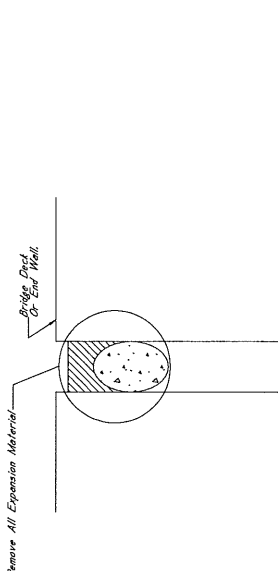
1. Specifications: Manufacturer's Standard Specifications For Road And Bridge Construction 2017.
2. No Change Of The Direction Of Structure. Single Bridge Engineers May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Paid For Directly And Shall Therefore Be Considered An Absorbed Item Of Work.



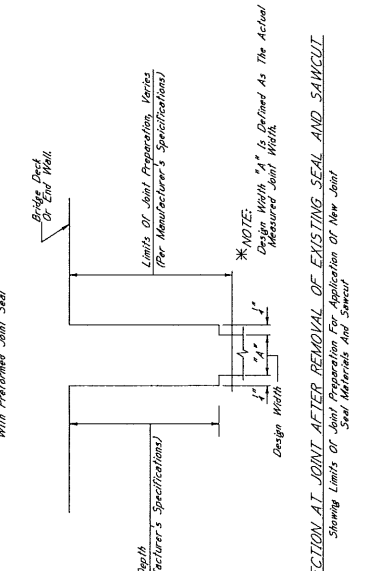
**TYPICAL SECTION AT SAWCUT & SEALED JOINT**  
 Showing Sealed Joint After Sawcut

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

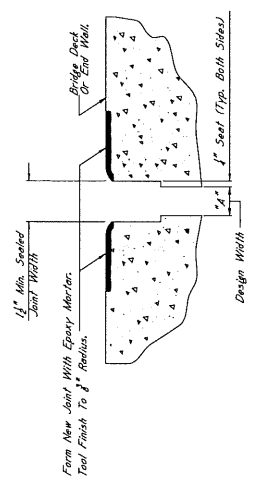
1. The Preformed Joint Seal Shall Be One Of The Following Installed According To The Manufacturer's Specifications:
  - A. Silicone Joint Sealing System  
 www.mscorp.com
  - B. Welo SFS Joint System  
 www.weloseal.com
  - C. Silicone SSS Silicone Strip Seal  
 Manufactured By SSI Commercial & Highway Construction Materials  
 www.ssi.com
2. For Existing Repairs, The P.J. Wilson Silicone Joint Sealing System May Be Used. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Ensure That The Manufacturer's Recommendations Are Followed. Any Other Variance Between The Specifications Provided By The Manufacturer, Manufacturer Representative, Shall Be Presented At The Time Joint Sealing Begins. The Contractor Is Properly Sealed 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. The Width Does Not Account For The Sealant For Design Widths Less Than 2". When Performance Joint Seal Type "B" Shall Be Used For Design Widths Greater Than Or Equal To 2" With The Maximum Design Width Of Expansion Material Shall Be As 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 Materials To Be Removed And Replaced With Preformed Joint Seal



**TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING SEAL AND SAWCUT**  
 Showing Limits Of Joint Preparation For Application Of New Joint Seal Materials And Sawcut



**TYPICAL SECTION AT SAWCUT & JOINT REPAIR**  
 Showing New Joint With Epoxy Mortar, Tool Finish To 1/2" Radius, Bridge Deck On End Wall, 1/2" Seal (Typ. Both Sides), Design Width

NOTES ON ASSOCIATED ITEMS OF WORK.

907-808-4002 JOINT REPAIR

Description:

Shall include the work necessary to repair joints in concrete and in the concrete deck. The repair shall be limited to the removal of existing concrete and debris, preparation of the joint, placement of new concrete, and finishing. The repair shall be in accordance with the applicable provisions of Section 908.09 of the Specifications and any other sections specified therein.

Basis of Payment:

The Accepted Quantities Will Be Paid For In Linear Feet At The Length Of The Centerline Joint, On Each Side Of The Centerline Joint.

907-808-4003 JOINT REPAIR WITHOUT EPOXY

Description:

Shall include the work necessary to repair joints in concrete and in the concrete deck. The repair shall be limited to the removal of existing concrete and debris, preparation of the joint, placement of new concrete, and finishing. The repair shall be in accordance with the applicable provisions of Section 908.09 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 Performed 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 Obtain The Manufacturer's Recommendations.

907-823-4001 REFORMED JOINT SEAL, TYPE I

Description:

Shall include the manufacturer's required joint preparation from old debris with compressed air and placement of the new reformed joint seal.

Basis of Payment:

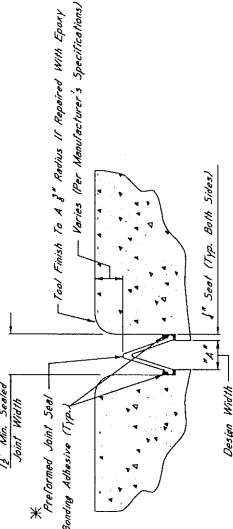
The Accepted Quantities Will Be Paid For In Linear Feet At The Contract Unit Price Along The Length Of The Centerline Joint.

EPOXY MORTAR AND POLYMER CONCRETE NOTES:

Epoxy Mortar Or Polymer Concrete May Be Used On Structures Where The Specifications Do Not Prohibit Its Use.

GENERAL NOTES:

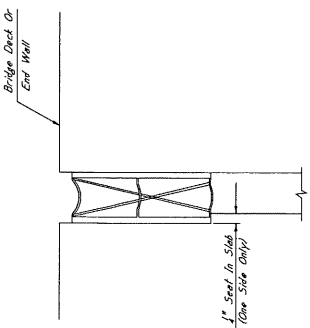
1. Specifications, Manufacturer's Recommendations, and Approved Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes To Detail Or Design Or Construction Procedures Will Not Be Cause For Contract Price Adjustment. Such Changes Will Be Cause For Contract Price Adjustment. The Proposal Will Be For Which No Item Is Provided In The Proposal Will Be Considered An Item Of Work.
2. Specifications, Manufacturer's Recommendations, and Approved Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes To Detail Or Design Or Construction Procedures Will Not Be Cause For Contract Price Adjustment. Such Changes Will Be Cause For Contract Price Adjustment. The Proposal Will Be For Which No Item Is Provided In The Proposal Will Be Considered An Item Of Work.
3. Specifications, Manufacturer's Recommendations, and Approved Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes To Detail Or Design Or Construction Procedures Will Not Be Cause For Contract Price Adjustment. Such Changes Will Be Cause For Contract Price Adjustment. The Proposal Will Be For Which No Item Is Provided In The Proposal Will Be Considered An Item Of Work.



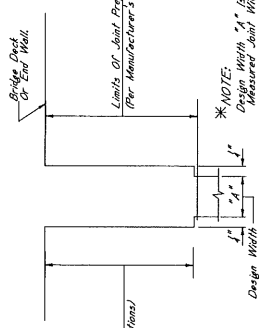
TYPICAL SECTION AT SAWCUT & SEALED JOINT  
Showing Sealed Joint After Sawcut And Repair With Epoxy Mortar

\*NOTES:

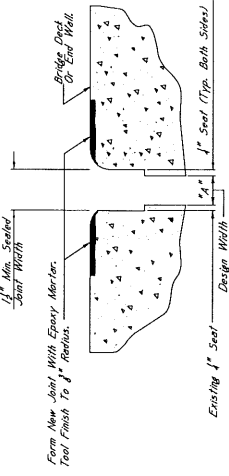
1. The Performed Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Installation Instructions:
  - A. Sika-Bond Joint Sealing System Manufactured By R. L. Watson, Inc. In Allen, NY [www.rlwatson.com](http://www.rlwatson.com)
  - B. Waco SFS Joint System Manufactured By Watson Roman Acme Corporation In Amers, NY [www.waco.com](http://www.waco.com)
  - C. Silicone SS3 Epoxy Sealant System Manufactured By R. L. Watson, Inc. In Allen, NY [www.rlwatson.com](http://www.rlwatson.com)
2. For Estimating Purposes, The R. L. Watson Silicone Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Obtain The Manufacturer's Recommendations, and to Obtain Approval For All Variances Between The Specifications Provided By The Manufacturer, 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 Saw Cut Depth On Both Sides Of The Joint. The Saw Cut Depth Shall Be Used For Design Widths Less Than 2". Performed Joint Seal, Type II, Shall Be Used In Cases Where Design Widths Are Greater Than 2". Epoxy Mortar Shall Be Applied As Directed By The Director Of Structures, And The Contractor Shall Be Responsible For The Selection Of Sealant Material To Ensure That The Sealant Is Suitable For Application To 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 SEAL AND SAWCUT  
Showing Limits Of Joint Preparation For Application Of New Joint Seal Materials And Sealant



TYPICAL SECTION AT SAWCUT & JOINT REPAIR  
Showing Area Where Repairs Are Made After Sawcut, With Epoxy Mortar Or Approved Equivalent

\*NOTES:

1. Epoxy Mortar Or Polymer Concrete May Be Used On Structures Where The Specifications Do Not Prohibit Its Use.
2. Specifications, Manufacturer's Recommendations, and Approved Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes To Detail Or Design Or Construction Procedures Will Not Be Cause For Contract Price Adjustment. Such Changes Will Be Cause For Contract Price Adjustment. The Proposal Will Be For Which No Item Is Provided In The Proposal Will Be Considered An Item Of Work.

ELEVATION AT END OF SPAN

**NOTES ON ASSOCIATED ITEMS OF WORK:**

**907-808-4002 JOINT REPAIR**

**Description:**

Shall include the work necessary to repair joints in preparation for the placement of new expansion material. Shall also be included under this item of work, removal of existing silicone seals, compressing and AC sealed joint as measured under this item of work. Removal of joint materials and any trash and debris including but not limited to compacted aggregate shall be included 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.

**907-808-4003 JOINT REPAIR WITHOUT EPOXY**

**Description:**

Shall include the work necessary to repair joints in preparation for the placement of new expansion material, as designated in the detail drawings. Existing joint materials will not be paid for directly and shall be considered as absorbed under this item of work. Removal of joint materials and any trash and debris including but not limited to compacted aggregate shall be included 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 Prefabricated Joint Seal Selection.

**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 Obtain The Manufacturer's Recommendations.

**907-823-4001 REFORMED JOINT SEAL, TYPE I**

**Description:**

Shall include the manufacturer's required joint preparation including compressing both sides of the joint and forming the joint with preformed joint seal.

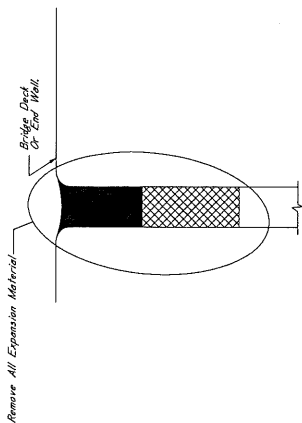
**Basis Of Payment:**

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

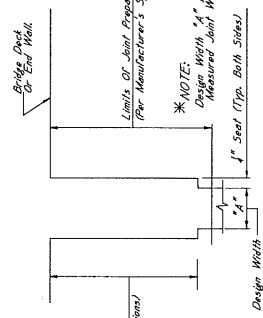
**EPOXY MORTAR AND POLYMER CONCRETE NOTES:**  
Either Epoxy Mortar or Polymer Concrete May Be Used. Guidelines For Selection Of Materials Can Be Found In Section 808 of the Specifications.

**GENERAL NOTES:**

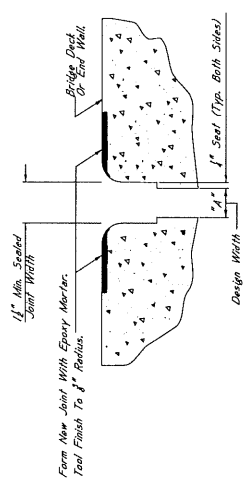
1. Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
2. Minor Changes To Detail Or Design Or Construction Procedure Will Not Be Considered Equivalency Adjustments. Such Changes Will Be Paid For Directly And Shall Therefore Be Considered An Absorbed Item Of Work.



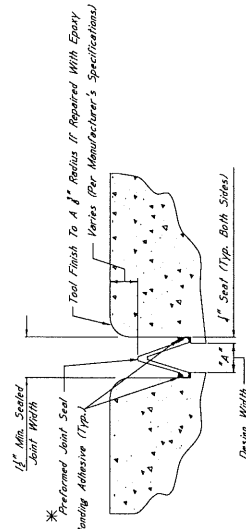
**TYPICAL SECTION AT EXISTING JOINT**  
Showing Existing Expansion Material To Be Removed And Replaced With Preformed Joint Seal.



**TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING SEAL AND SAWCUT**  
Showing Limits Of Joint Preparation For Application Of New Joint Seal Materials And Sawcut



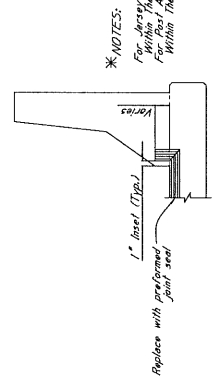
**TYPICAL SECTION AT SAWCUT & JOINT REPAIR**  
Showing Area Where Repairs Are Made After Sawcut With Epoxy Mortar Or Approved Equivalent



**TYPICAL SECTION AT SAWCUT & SEALED JOINT**  
Showing Sealed Joint After Sawcut And Repair With Epoxy Mortar

\*NOTES:  
1. The Prefabricated Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Specifications:  
A. Silicate Joint Sealing System Manufactured By R.J. Watson, Inc. In Allen, NY www.rjwatson.com  
B. Wepa SPS Joint System Manufactured By SSI Commercial & Highway Construction Materials www.ssi.com  
C. Silicate SSS Epoxy Ethic Seal Manufactured By SSI Commercial & Highway Construction Materials www.ssi.com

2. For Estimating Purposes, The R.J. Watson Silicate Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Obtain The Manufacturer's Recommendations For Joint Preparation, Installation Details And Details, Adhesive Setting Times, And A Manufacturer's Recommendation To Obtain The Approval Of The Manufacturer To Ensure That The Contractor Is Properly Substantiated In Installation Of The Joint Material.
3. Joints Shall Be Sealed At Their Design Widths, Dimension "A", Which Is Defined As: Seal Required On Both Sides Of The Joint. In Prefabricated Joint Seal Type I, Seal Be Used For Design Widths Less Than 2". Prefabricated Joint Seal, Type II, Shall Be Used For Design Widths Greater Than 2". In Cases Where Design Widths Are Greater Than 2", Another Type Of Expansion Material Shall Be Recommended As Directed By The Director Of Structures. The Contractor Shall Be Responsible For The Width Of The Joint.



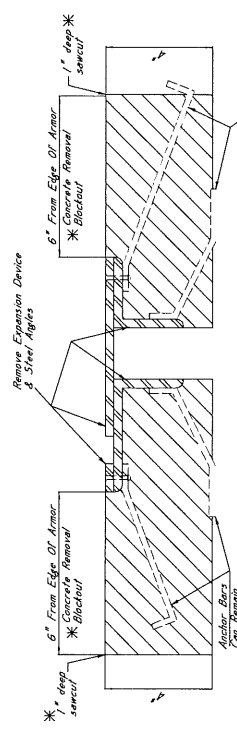
**ELEVATION AT END OF SPAN**

**\* CONCRETE REMOVAL BLOCKOUT NOTES**

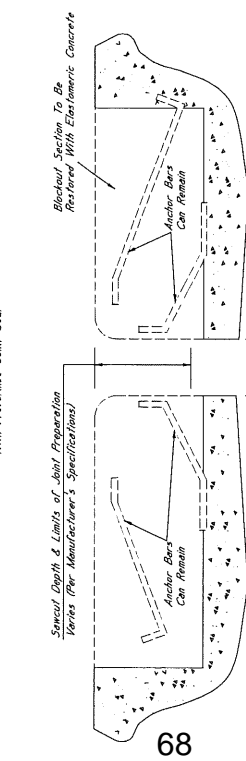
Removal of the concrete blockout area shall be considered an absorbed item of work. Under no circumstances shall the contractor be allowed to use more than 30 lbs to complete this work.

**\* 1" SAWCUT NOTES:**

All 1" sawcuts shall be considered an absorbed item of work. The contractor shall verify the depth of reinforcing steel at the depth of the sawcut shall be no more than 1/2" above the reinforcing steel. The contractor shall be responsible for the depth of the sawcut. The contractor shall be responsible for the depth of the sawcut.

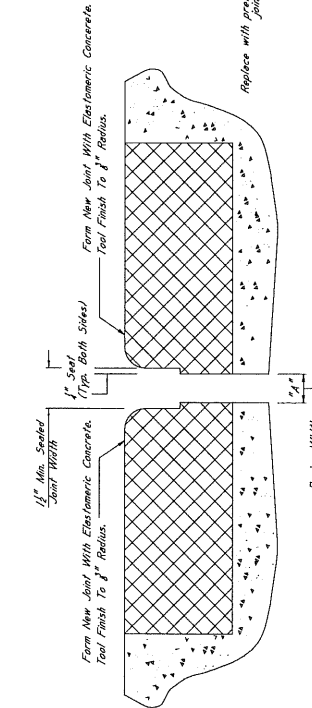


**TYPICAL SECTION AT EXISTING JOINT**  
Showing Existing Expansion Device To Be Removed And Replaced With Preformed Joint Seal

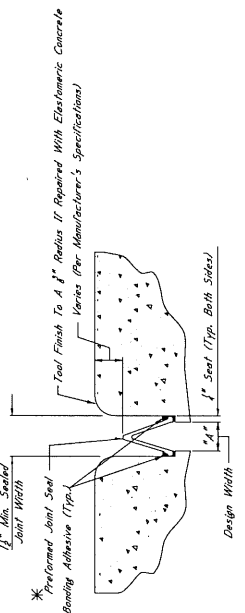


**TYPICAL SECTION AT SAWCUT & SEALED JOINT**  
Showing Sawcut Joint After Sawcut And Repair With Elastomeric Concrete

**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 Area Where Repair is Made After Sawcut With Elastomeric Concrete



**TYPICAL SECTION AT SAWCUT & SEALED JOINT**  
Showing Sawcut Joint After Sawcut And Repair With Elastomeric Concrete

**\* NOTES:**

- The Preformed Joint Seal Shall Be One Of The Following, Included According To The Manufacturer's Specifications:
  - Silicifier Joint Sealing System Manufactured By R.J. Watson, Inc. In Akron, NY
  - Weld 907-823-4001 Strip Seal Manufactured By Watson Bowman Acme Corporation In Amherst, NY
  - Siligrac 555 Silicone Strip Seal Manufactured By SSI Commercial & Highway Construction Materials
- For Estimating Purposes The R.J. Watson Silicifier Joint Sealing System Was Used. The Contractor Shall Be Responsible To Ensure That The Manufacturer's Recommendations Are Followed For Joint Preparation, Installation Depth, and Weights, Adhesive, Sealant, and Sealant Application. A Manufacturer Representative Shall Be Present At The Time Joint Sealing Begins. The Contractor Shall Be Responsible For The Installation of The Joint Sealant.
  - Joint Sealant Shall Be Sealed At Their Own Width, Dimension "A", Which Is Defined As The Actual Width of The Joint Opening. The Width Does Not Account For The Seal Required On Both Sides Of The Joint. Preformed Joint Seal Type 907-823-4001 Shall Be Used For Design Widths Greater Than Or Equal To 2" With The Maximum Design Width Going Up In Cases Where Design Widths Are Greater Than 2". The Contractor Shall Be Responsible For The Installation of The Joint Sealant. The Contractor Shall Be Responsible To Ensure That The Sealant Is Applied To The Width of The Joint.

**\* NOTES:**

For heavy slope barriers, the minimum required vertical joint seal dimension within the barrier is 3". For other barriers, the minimum required vertical joint seal dimension within the barrier is 6".

**ELEVATION AT END OF SPAN**

**NOTES ON ASSOCIATED ITEMS OF WORK:**

**907-8169 REMOVAL OF EXISTING JOINT MATERIAL**

**Description:** Shall include the removal of material associated with armor, sliding plate, and neoprene expansion joints, as indicated on the detail drawings. The contractor shall remove all other joint types shall not be included under this item of work unless otherwise directed by the engineer. This includes but is not limited to, concrete and debris (including but not limited to compacted dirt, vegetation and trash) located at any depth within the joint. Sealant shall be included under this item of work.

**Basis of Payment:** Removal of armor and sliding plate joint material will be paid for in linear feet. At the contract unit price for the removal of the material. The contractor shall be responsible for the removal of the material. The contractor shall be responsible for the removal of the material.

**907-823-4001 SAW CUT, TYPE I & 907-823-4002 SAW CUT, TYPE II**

**Description:** The saw cut depth shall be established to the acceptable depth of the manufacturer's specifications. The contractor shall be responsible for the saw cut. The contractor shall be responsible for the saw cut.

**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**

**Description:** Shall include the manufacturer's required joint preparation including sandblasting both sides of the joint and blowing the joint free 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.

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

**Description:** Shall include the manufacturer's required joint preparation including sandblasting both sides of the joint and blowing the joint free 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.

**ELASTOMERIC CONCRETE NOTES**

**907-824-4007 BRIDGE REPAIR ELASTOMERIC CONCRETE**

**Description:** Elastomeric concrete shall be one of the following products installed according to the manufacturer's specifications:

- Poly-Ton Elastomeric Concrete Manufactured By R.J. Watson, Inc. In Akron, NY
- Weldcrete II Manufactured By Watson Bowman Acme Corporation In Amherst, NY
- Dalcrete Elastomeric Concrete Manufactured By The D.S. Brown Company In North Baltimore, OH

**Basis of Payment:** The accepted quantities will be paid for in cubic yards. At the contract unit price.

**GENERAL NOTES:**

- Specifications, Manufacturer Standard Specifications For Road And Bridge Construction, 2012.
- No Change of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer.
- The contractor shall be responsible for the removal of the material. The contractor shall be responsible for the removal of the material. The contractor shall be responsible for the removal of the material.

**NOTES ON ASSOCIATED ITEMS OF WORK:**

**907-823-8001 REMOVAL OF EXISTING JOINT MATERIAL**

**Description:** Shall include the removal of material associated with existing joint seal. The joint seal shall be removed by saw cutting the concrete around the joint seal. The concrete around the joint seal shall be removed by hand using pneumatic tools. The contractor shall be responsible for the removal of the joint seal and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal and the concrete around the joint seal.

**Basis of Payment:** Payment for removal of joint seal material shall be based on the volume of material removed. Payment shall be made for the removal of the joint seal material and the concrete around the joint seal. Payment shall be made for the removal of the joint seal material and the concrete around the joint seal. Payment shall be made for the removal of the joint seal material and the concrete around the joint seal.

**907-823-8002 PREFORMED JOINT SEAL, 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. The contractor shall be responsible for the installation of the preformed joint seal. The contractor shall be responsible for the installation of the preformed joint seal. The contractor shall be responsible for the installation of the preformed joint seal.

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

**907-823-4001 PREFORMED JOINT SEAL, TYPE II**

**Description:** Shall include the manufacturer's preformed joint seal. The contractor shall be responsible for the installation of the preformed joint seal. The contractor shall be responsible for the installation of the preformed joint seal. The contractor shall be responsible for the installation of the preformed joint seal.

**Basis of Payment:** The accepted quantities will be paid for in linear feet along the length of the centerline joint.

**ELASTOMERIC CONCRETE NOTES**

**907-823-4002 BRIDGE REPAIR ELASTOMERIC CONCRETE**

**Description:** Elastomeric concrete shall be one of the following products, installed according to the manufacturer's specifications:

- Poly-Ton Elastomeric Concrete  
Manufactured by R.J. Watson, Inc. in Alton, NY  
www.rjwatson.com
- Waka-Crete II  
Manufactured by Waka-Bowman Acme Corporation in Amherst, NY  
www.wakacrete.com
- Dalcrete Elastomeric Concrete  
Manufactured by The D.S. Brown Company in North Baltimore, OH  
www.dalcrete.com

**Basis of Payment:** The accepted quantities will be paid for in cubic yards at the contract unit price.

**GENERAL NOTES:**

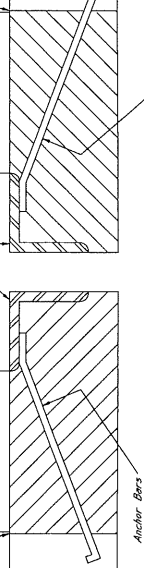
- Specifications: Minimum Standard Specifications For Road And Bridge Construction, 2017.
- No Change of Plans Will Be Permitted Except By Written Approval of the Engineer. Any Change of Specifications Must Be Authorized by the Engineer. Proposed Changes Will Not Be Considered For Contract Price Adjustment. Proposed Changes Will Not Be Paid For Directly And Shall Therefore Be Considered An Assessed Item of Work.

**\* 1" SAWCUT NOTES:**

All 1" sawcuts shall be considered an assessed item of work. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal.

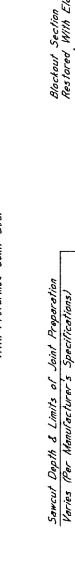
**\* CONCRETE REMOVAL BLOCKOUT NOTES**

Removal of the concrete blockout area shall be considered an assessed item of work. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal. The contractor shall be responsible for the removal of the joint seal material and the concrete around the joint seal.



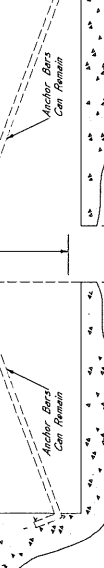
**TYPICAL SECTION AT EXISTING JOINT**

Showing Existing Conditions and Joint Seal



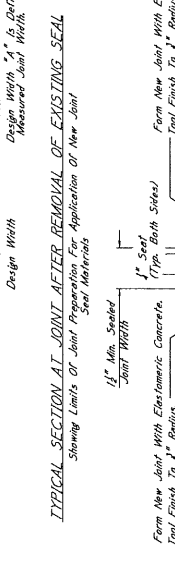
**TYPICAL SECTION AT JOINT AFTER REMOVAL OF EXISTING SEAL**

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



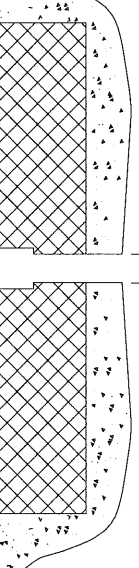
**TYPICAL SECTION AT SAWCUT & SEALED JOINT**

Showing Sealed Joint After Sawcut and Repair With Elastomeric Concrete



**TYPICAL SECTION AT END OF SPAN**

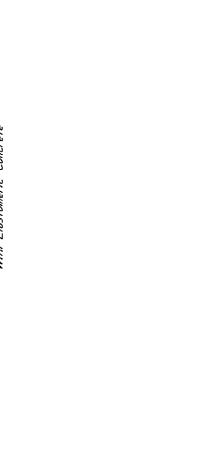
For Jersey Slope Barrages. The Minimum Required Vertical Joint Seal Dimension For Post And Beam Barrages. The Minimum Required Vertical Joint Seal Dimension Within The Barrage is 6".



\* NOTES:  
For Jersey Slope Barrages. The Minimum Required Vertical Joint Seal Dimension For Post And Beam Barrages. The Minimum Required Vertical Joint Seal Dimension Within The Barrage is 6".

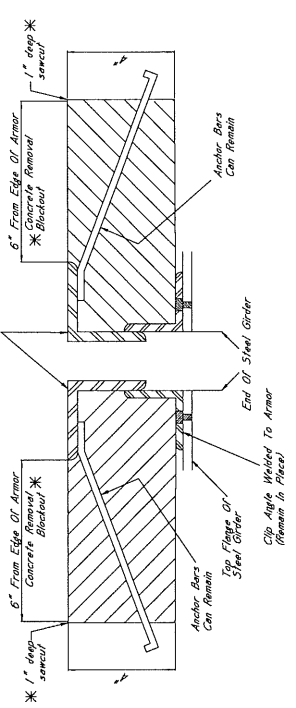
**TYPICAL SECTION AT SAWCUT & JOINT REPAIR**

Showing Area Where Barriers Are Made After Sawcut

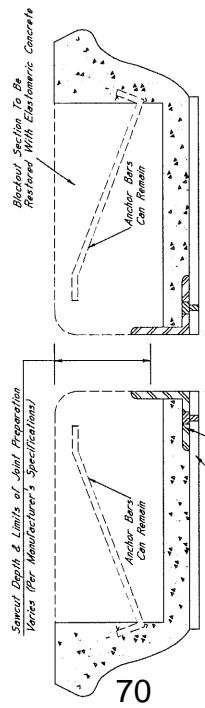


**\* 1" SAWCUT NOTES:**

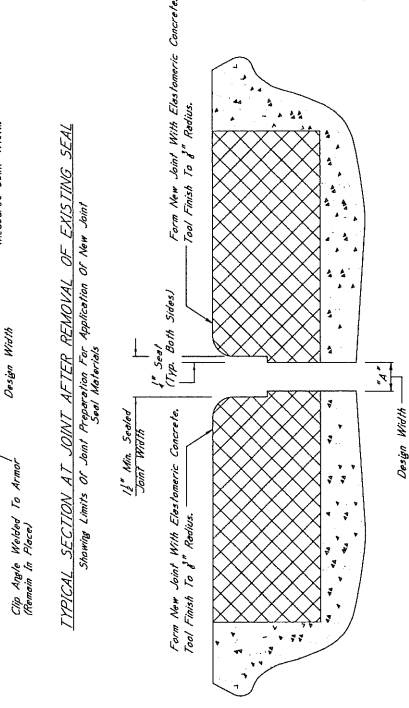
All 1" Sawcuts Shall Be Considered An Absorbed Item of Work. The Contractor Shall Verify Depth of Reinforcing Steel On The Siding At Each Joint. The Depth Of The Reinforcing Steel Shall Be As Shown On The Plans. The Engineer At No Cost To The State, Remove Steel Angles Where Directed.



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

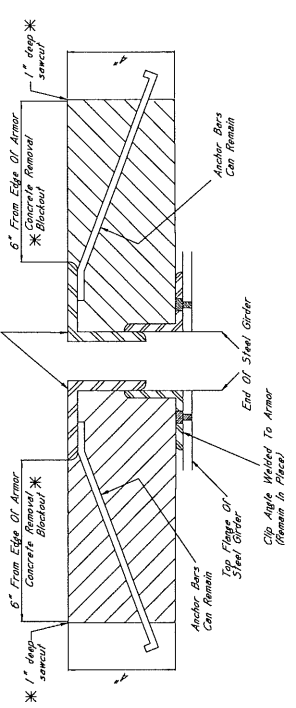


**TYPICAL SECTION AT SAWCUT & JOINT REPAIR**  
Showing Area Where Repairs Are Made After Sawcut With Elastomeric Concrete

**\* CONCRETE REMOVAL BLOCKOUT NOTES**

Removal Of The Concrete Blockout Area Shall Be Considered An Absorbed Item Of Work Under Pay Item 202-5165. The Contractor Shall Remove The Concrete To A Depth Of 30 LBS To Complete This Work.

Remove Steel Angles Where Directed



**TYPICAL SECTION AT SAWCUT & SEALED JOINT**  
Showing Sealed Joint After Sawcut And Repair With Elastomeric Concrete

**\* NOTES:**

- The Preformed Joint Seal Shall Be One Of The Following, Installed According To The Manufacturer's Specifications:
  - Silicone Strip Seal System  
www.watson.com
  - Weldo SPS Joint System  
Manufactured By Watson Bowman Acme Corporation In Amherst, NY  
www.watson.com
  - Silicone SSS Silicone Strip Seal  
www.watson.com
- For Estimating Purposes, The R.J. Watson Silicone Joint Sealing System Was Selected. However, Should Another Supplier Be Chosen, It Is The Contractor's Responsibility To Assess All Installation Details And Verify Compatibility With All Other Materials Between The Specifications Provided By The Manufacturer, To Ensure That The Contractor Is Properly Sealed In Installation Of The Joint Material.
- 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 Seal Be Used For Design Widths Less Than 2". Preformed Joint Seal Type "A" Shall Be Used For Design Widths Greater Than 2". Where Design Widths Are Greater Than 2", The Contractor Shall Be Responsible For Ensuring That The Seal Material Is Properly Sealed To Ensure That The Seal Is Sealed At The Width Of The Joint.

**\* NOTES:**

For Jersey Slope Barriers, The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 3". For Concrete Slope Barriers, The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 6".

**ELEVATION AT END OF SPAN**

**NOTES ON ASSOCIATED ITEMS OF WORK:**

**202-9169 REMOVAL OF EXISTING JOINT MATERIAL**

**Description:** Shall Include The Removal Of Material Associated With Armor, Siding Plates, And Expansion Joints, As Designated In The Detail Drawings Provided. Removal Of The Concrete Blockout Area Shall Be Considered An Absorbed Item of Work. The Contractor Shall Verify Depth of Reinforcing Steel On The Siding At Each Joint. The Depth Of The Reinforcing Steel Shall Be As Shown On The Plans. The Engineer At No Cost To The State, Remove Steel Angles Where Directed.

**Basis Of Payment:** Removal Of Armor And Siding Plate Material Will Be Paid For In Linear Feet At The Contract Unit Price. The Contractor Shall Verify Depth of Reinforcing Steel On The Siding At Each Joint. The Depth Of The Reinforcing Steel Shall Be As Shown On The Plans. The Engineer At No Cost To The State, Remove Steel Angles Where Directed.

**807-823-8001 SAW CUT, TYPE I & 807-823-8002 SAW CUT, TYPE II**

**Description:** The Saw Cut Depth Shall Be Established To The Fabricator's Depth. The Contractor Shall Verify Depth of Reinforcing Steel On The Siding At Each Joint. The Depth Of The Reinforcing Steel Shall Be As Shown On The Plans. The Engineer At No Cost To The State, Remove Steel Angles Where Directed.

**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.

**807-823-4001 PREFORMED JOINT SEAL, TYPE I**

**807-823-4002 PREFORMED JOINT SEAL, TYPE II**

**Description:** Shall Include The Manufacturer's Required Joint Preparation Including Sandblasting Both Sides Of The Joint And Blowing The Joint Free 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.

**ELASTOMERIC CONCRETE NOTES**

**807-824-9907 BRIDGE REPAIR, ELASTOMERIC CONCRETE**

**Description:** Elastomeric Concrete Shall Be One Of The Following Products, Installed According To The Manufacturer's Specifications:

- Poly-Trip Elastomeric Concrete  
Manufactured By R.J. Watson, Inc. In Amherst, NY  
www.watson.com
- WeldoCrete II  
Manufactured By Watson Bowman Acme Corporation In Amherst, NY  
www.watson.com
- DelaCrete Elastomeric Concrete  
Manufactured By The D.L. Brown Company In North Baltimore, OH  
www.dlbrown.com

**Basis Of Payment:** The Accepted Quantities Will Be Paid For In Cubic Yards At The Contract Unit Price.

**GENERAL NOTES:**

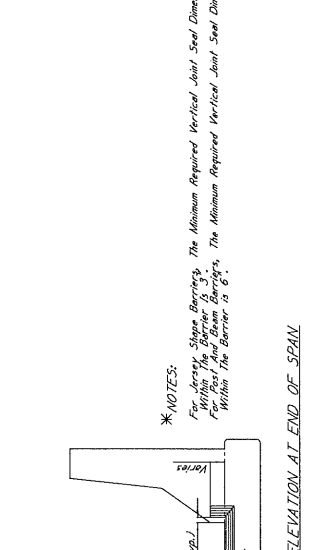
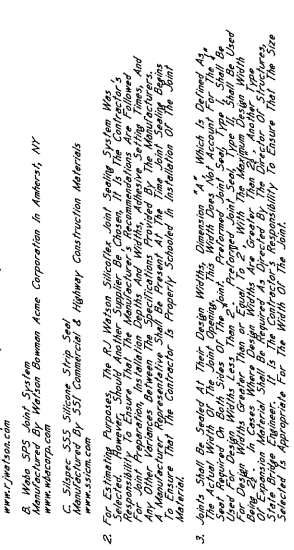
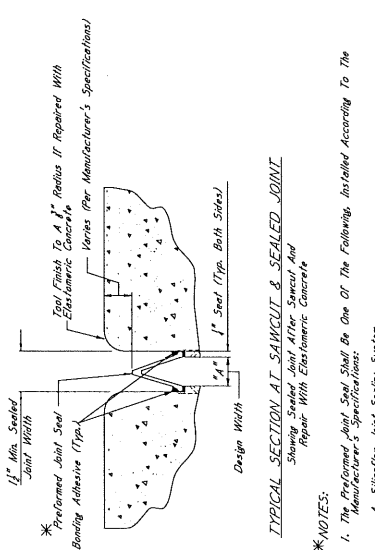
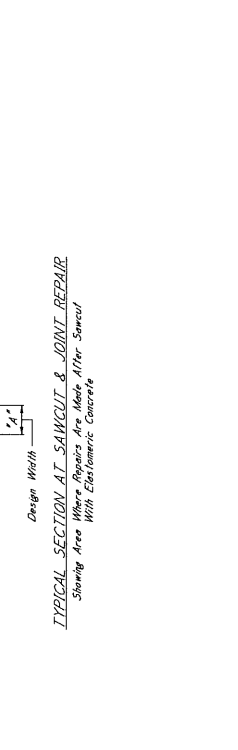
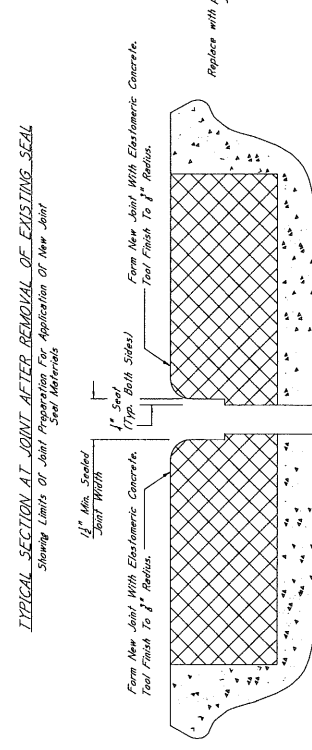
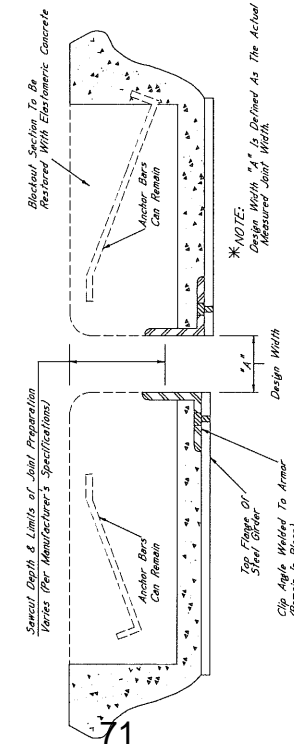
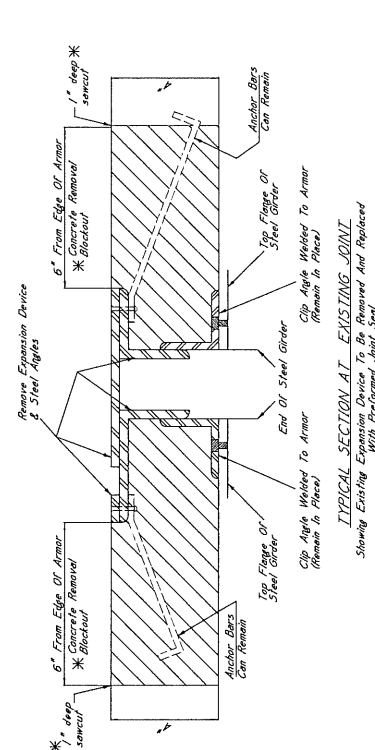
- Specifications, Minimum Standard Specifications For Road And Bridge Construction 2017.
- No Change Of Plans Will Be Permitted Except By Written Approval Of The District Construction Engineer. Construction Of The Bridge Or Causeway May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment. Requests Will Be Considered On A Case-By-Case Basis. Requests Will Be Paid For Directly And Shall Therefore Be Considered An Absorbed Item of Work.

**\* 1" SAWCUT NOTES:**

All 1" Sawcuts Shall Be Considered An  
 In-Place Concrete Backcut. Areas Of  
 Sawcut Shall Be Covered As Indicated In  
 Work Under Pay Item 202-B165. The  
 Contractor Shall Use A Hammer No Larger  
 Than 30 LBS To Complete This Work.  
 Any Damage To Reinforcing Steel Shall  
 Be Repaired To The Satisfaction Of  
 The Engineer At No Cost To The State.

**\* CONCRETE REMOVAL BACKCUT NOTES**

All Concrete Backcuts Shall Be  
 Covered As Indicated In Work Under  
 Pay Item 202-B165. The Contractor Shall  
 Use A Hammer No Larger Than 30 LBS To  
 Complete This Work.



**NOTES ON ASSOCIATED ITEMS OF WORK:**

**202-B169 REMOVAL OF EXISTING JOINT MATERIAL**

**Description:** Shall include the removal of material associated with concrete joints as shown on the drawings. Removal of concrete shall be done in accordance with the drawings. The concrete shall be removed by using a hammer no larger than 30 lbs. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

**Basis Of Payment:**

Removal of armor and slitting plate joint material will be paid for in lump sum. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

**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. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

**Basis Of Payment:**

The accepted quantities will be paid for in lump sum. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

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

**Description:** Shall include the manufacturer's required joint preparation including sandblasting both sides of the joint and blowing the joint free of debris. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

**Basis Of Payment:**

The accepted quantities will be paid for in lump sum. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

**ELASTOMERIC CONCRETE NOTES**

**Description:** Elastomeric concrete shall be one of the following products installed according to the manufacturer's specifications:

- A. Poly-Trip Elastomeric Concrete  
 www.rj-watson.com
- B. Wale-Crete II  
 www.walecorp.com
- C. Decrete Elastomeric Concrete  
 www.decrete.com

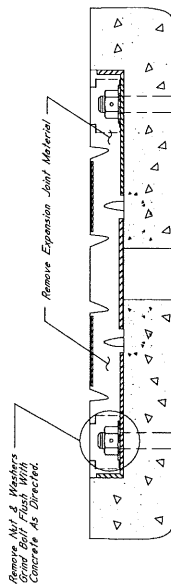
**Basis Of Payment:**

The accepted quantities will be paid for in cubic yards. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area. The contractor shall be responsible for the removal of all material from the work area.

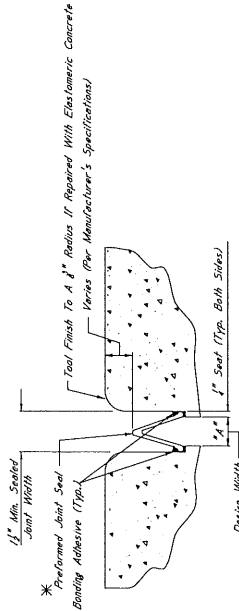
**GENERAL NOTES:**

- 1. See Notes: Miscellaneous 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. Any Change Of Plans For The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment. General Will Not Be Paid For Directly And Shall Therefore Be Considered An Assumed Item Of Work.





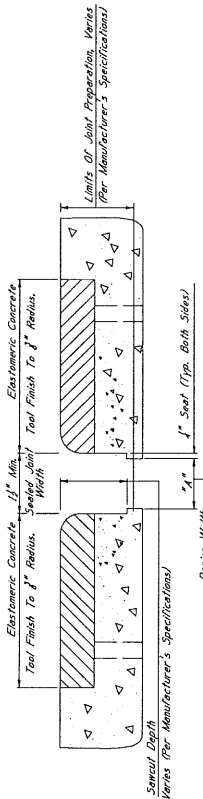
TYPICAL SECTION AT EXISTING JOINT  
Showing Existing Expanding Device To Be Removed And Replaced With Preformed Joint Seal



TYPICAL SECTION AT SAWCUT & SEALED JOINT  
Showing Sealed Joint After Concrete Repair With Elastomeric Concrete

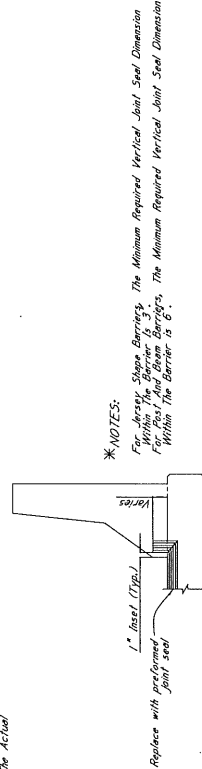
\*NOTES:

- The Preformed Joint Seal Shall Be One Of The Following Installed According To The Manufacturer's Specifications:
  - Silicone Joint Sealing System Manufactured By P.C. Welton, Inc. In Allen, NY [www.pcwelton.com](http://www.pcwelton.com)
  - Weld SPS Joint Sealing Manufactured By Welton Boman Acme Corporation In Amherst, NY [www.wbcorp.com](http://www.wbcorp.com)
  - Siligrac 555 Silicone Strip Seal Manufactured By SST Commercial & Highway Construction Materials
- Elastomeric Concrete: The 8" Minimum Elastic Joint Sealing System Was Selected However, Should Another Superior Be Chosen, It Is The Contractor's Responsibility To Ensure That The Manufacturer's Recommendations Are Followed And That The Joint Seal Is Properly Installed. Any Other Variance Between The Specifications Provided By The Manufacturer, A Manufacturer Representative Shall Be Present At The Time Joint Sealing Begins. The Contractor Is Properly Sourced In Installation Of The Joint Seal.
- Widths 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" Allowance On Widths Less Than 2" Joint Opening. The Contractor Shall Use For Design Widths Greater Than Or Equal To 2" With The Maximum Design Width Of Expansion Material Shall Be As 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 JOINT AFTER REMOVAL OF EXISTING SEAL  
Showing Limits Of Joint Preparation For Application Of New Joint Seal Methods

\*NOTE:  
Design Width "A" Is Defined As The Actual Measured Joint Width.



\*NOTES:

For Jersey Slope Barriers, The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 3" Within The Barrier Is 6". The Minimum Required Vertical Joint Seal Dimension Within The Barrier Is 6".

ELEVATION AT END OF SPAN

NOTES ON ASSOCIATED ITEMS OF WORK:

202-0189 REMOVAL OF EXISTING JOINT MATERIAL

Description: Shall include The Removal Of Material Associated With Existing Joint Material, Including Expansion Joints, As Well As The Joint Seal Material. The Contractor Shall Remove All Old Washers And Concrete As Directed. Work Unless Otherwise Directed By The Engineer. The Contractor Shall Not Be Allowed To Use Existing Washers (Including But Not Limited To Copied Joint Washers) And Treats Located At Any Depth Within The Joint. Seal Be Installed Under This Item Of Work.

Basis Of Payment: Removal Of Material And Sealing Each Joint Material Will Be Paid For On A Unit Price Basis For Each Linear Foot Along The Length Of The Bridge Deck On Each Side Of The Centerline Joint, While Removal Of Rebar Seal Will Be Paid For As The Length Along The Centerline Of The 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

Description: Shall include The Manufacturer's Required Joint Preparation For The Installation Of The Joint Seal, Including The Saw Cut, Prime Of Deck With Compressed Air And Placement Of The 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.

907-823-4002 PREFORMED JOINT SEAL, TYPE II

Description: Shall include The Manufacturer's Required Joint Preparation For The Installation Of The Joint Seal, Including The Saw Cut, Prime Of Deck With Compressed Air And Placement Of The 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.

ELASTOMERIC CONCRETE REPAIR

Description: Elastomeric Concrete Shall Be One Of The Following Products, Installed According To The Manufacturer's Specifications:

- Poly-Ton Elastomeric Concrete Manufactured By P.C. Welton, Inc. In Allen, NY [www.pcwelton.com](http://www.pcwelton.com)
- Weld-Span Joint Sealing Manufactured By Welton Boman Acme Corporation In Amherst, NY [www.wbcorp.com](http://www.wbcorp.com)
- Siligrac 555 Elastomeric Concrete Manufactured By The D.S. Brown Company In North Baltimore, OH [www.dsbrown.com](http://www.dsbrown.com)

Basis Of Payment: The Accepted Quantities Will Be Paid For In Cubic Yards At The Contract Unit Price.

GENERAL NOTES:

- Specifications: Mississippi Standard Specifications For Road And Bridge Construction Shall Apply. No Change Orders Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor 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 Not Be Paid For Directly. And Shall Therefore Be Considered An Included Item Of Work.

**NOTES ON ASSOCIATED ITEMS OF WORK:**

**907-824-0000 BRIDGE REPAIR: ENDWALL REPAIR**

**Description:** Shall include the Work Necessary To Remove And Replace The Damaged End Wall At The End Of The Bridge Deck. The Specified Depth Of The Repair To The Damaged Section, The Specified Depth Of End Wall Shall Be Removed Along The Entire Width Of The Bridge Deck. Contract Unit Price Along The Width Of The Bridge Deck.

**Notes:** The Accepted Quantities Will Be Paid For In Lower Feet At The Damage Cause To Other Elements Of The Structure Or Backery With Completing This Item Of Work Shall Be Repaired By The Contractor At No Cost To The Department.

**Notes:** Prior To Placing New Concrete All Concrete Surfaces That Will Be In Contact With The New Concrete Shall Be Painted With An Approved Epoxy Bonder Designed To Bond New Concrete To Old.

**Notes:** 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: 5200 psi prior to releasing to traffic  
Total Air Content: 5 to 6 percent  
Minimum 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 a manufacturer from MDT's Approved Products List, and the manufacturer's recommendations shall be followed for the dosage rate.

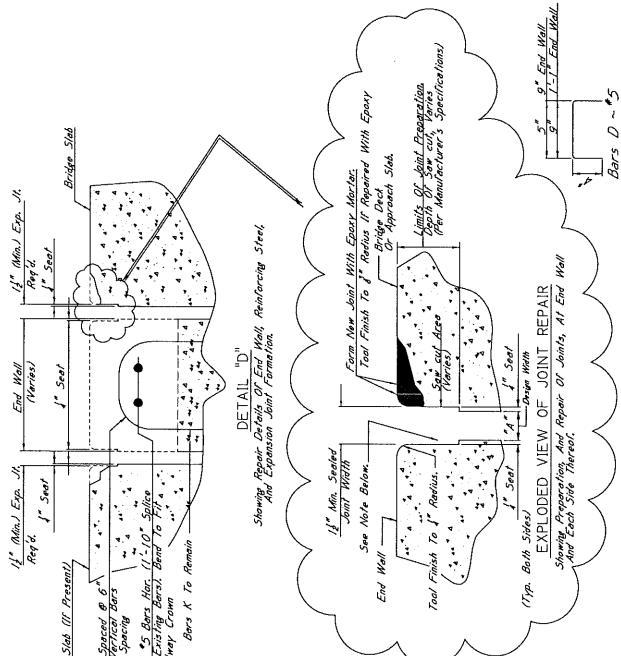
Curing is to be continuous until 2500 psi is attained. Traffic is to be allowed on the bridge deck after the repair is completed. The Contractor may use the laboratory test results from Section 907-800-0000 to estimate the compressive strength for the purposes of releasing the repair area to traffic. However, final acceptance of the bridge concrete shall be determined using concrete specimens. Two cylinders are to be tested at 9, 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 May Require Any Number Of The Pay Items Listed Below. Once The Expansion Device Is Identified, Refer To The Associated Items Of Work.

- 907-809-0002 REMOVAL OF EXISTING JOINT MATERIAL
- 907-809-0003 JOINT REPAIR WITHOUT EPXY
- 907-823-0001 SAW CUT, TYPE I
- 907-823-0001 PREFORMED JOINT SEAL, TYPE I
- 907-823-0002 PREFORMED JOINT SEAL, TYPE II

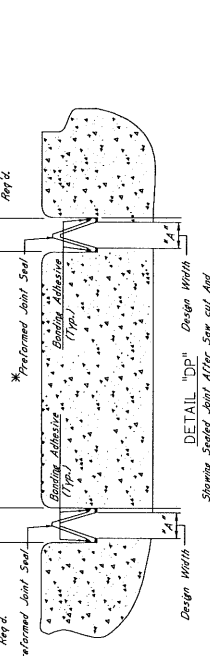
**GENERAL NOTES:**

1. No Change Of Plans Will Be Permitted Except By Written Order From The Engineer. Any Change Of Design Or Construction Procedure Will Be Authorized By The Bridge Engineer. Provided Such Changes Will Be Paid For Which No Pay Item Is Provided In The Proposal Will Not Be Paid For Unless It Shall Therefore Be Considered An Accepted Item Of Work.
2. And Bridge Construction 2012.
3. The Removal Of Existing Expansion Material May Require Any Number Of The Pay Items Listed Below. Once The Expansion Device Is Identified, Refer To The Associated Items Of Work.



\*NOTE: Vertical Faces Of End Wall To Include 1\"/>

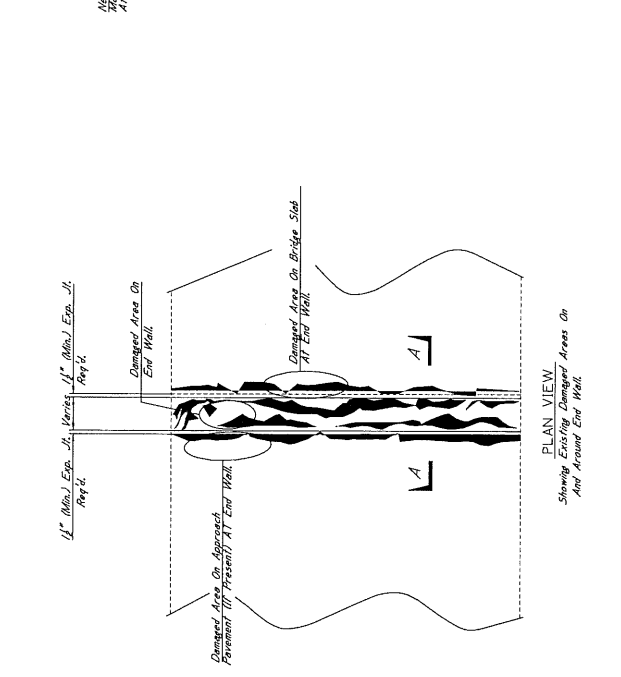
\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.



\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.

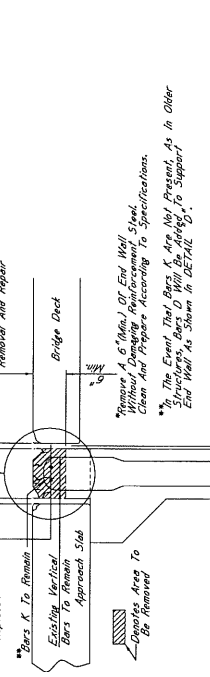
\*NOTE: Vertical Faces Of End Wall To Include 1\"/>

\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.



\*NOTE: Vertical Faces Of End Wall To Include 1\"/>

\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.



\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.

\*NOTE: Vertical Faces Of End Wall To Include 1\"/>

\*NOTE: Design Width 'A' Is Defined As The Actual Measured Joint Width.

# SECTION 905 - PROPOSAL

Date \_\_\_\_\_

Mississippi Transportation Commission  
Jackson, Mississippi

Sirs: The following proposal is made on behalf of \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_  
\_\_\_\_\_

for constructing the following designated project(s) within the time(s) hereinafter specified.

The plans are composed of drawings and blue prints on file in the offices of the Mississippi Department of Transportation, Jackson, Mississippi.

The Specifications are the current Standard Specifications of the Mississippi Department of Transportation approved by the Federal Highway Administration, except where superseded or amended by the plans, Special Provisions and Notice(s) to Bidders attached hereto and made a part thereof.

I (We) certify that I (we) possess a copy of said Standard and any Supplemental Specifications.

Evidence of my (our) authority to submit the Proposal is hereby furnished. The proposal is made without collusion on the part of any person, firm or corporation. I (We) certify that I (we) have carefully examined the Plans, the Specifications, including the Special Provisions and Notice(s) to Bidders, herein, and have personally examined the site of the work. On the basis of the Specifications, Special Provisions, Notice(s) to Bidders, and Plans, I (we) propose to furnish all necessary machinery, tools, apparatus and other means of construction and do all the work and furnish all the materials in the manner specified. I (We) understand that the quantities mentioned herein are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid, in accordance with the above.

I (We) acknowledge that this proposal will be found irregular and/or non-responsive unless a certified check, cashier's check, or Proposal Guaranty Bond in the amount as required in the Advertisement (or, by law) is submitted electronically with the proposal or is delivered to the Contract Administration Engineer prior to the bid opening time specified in the advertisement.

**INSTRUCTION TO BIDDERS: Alternate and Optional Items on Bid Schedule.**

1. Two or more items entered opposite a single unit quantity WITHOUT DEFINITE DESIGNATION AS "ALTERNATE ITEMS" are considered as "OPTIONAL ITEMS". Bidders may or may not indicate on bids the Optional Item proposed to be furnished or performed WITHOUT PREJUDICE IN REGARD TO IRREGULARITY OF BIDS.
2. Items classified on the bid schedule as "ALTERNATE ITEMS" and/or "ALTERNATE TYPES OF CONSTRUCTION" must be preselected and indicated on bids. However, "Alternate Types of Construction" may include Optional Items to be treated as set out in Paragraph 1, above.
3. Optional items not preselected and indicated on the bid schedule MUST be designated in accordance with Subsection 102.06 prior to or at the time of execution of the contract.
4. Optional and Alternate items designated must be used throughout the project.

I (We) further propose to perform all "force account or extra work" that may be required of me (us) on the basis provided in the Specifications and to give such work my (our) personal attention in order to see that it is economically performed.

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) shall submit electronically with our proposal or deliver prior to the bid opening time a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

**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.

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.

Emergency Bridge Repair on I-59 over US 49 (Bridge No. 66.8A), known as State Project No. SP-0059-01(136) / 109567301 in Forrest County.

Line no.	Item Code	Adj Code	Quantity	Units	Description[Fixed Unit Price]
<b>Roadway Items</b>					
0010	618-A001		1	Lump Sum	Maintenance of Traffic
0020	619-D1001		8	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0030	619-D2001		120	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0040	619-G4005		16	Linear Feet	Barricades, Type III, Single Faced
0050	619-G5001		70	Each	Free Standing Plastic Drums
0060	620-A001		1	Lump Sum	Mobilization
0070	907-619-E3001		2	Each	Changeable Message Sign
<b>Bridge Items</b>					
0080	202-B169		39	Linear Feet	Removal of Joint Material
0090	907-823-A001		78	Linear Feet	Preformed Joint Seal, Type I
0100	907-823-B001		156	Linear Feet	Saw Cut, Type I
0110	907-824-PP004		1	Lump Sum	Bridge Repair, Remove & Replace Portion of Box Girder, Per Plans
0120	907-824-PP007		1	Cubic Yard	Bridge Repair, Elastomeric Concrete
0130	907-824-PP008		39	Linear Feet	Bridge Repair, Endwall Repair

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

**CONDITIONS FOR COMBINATION BID**

If a bidder elects to submit a combined bid for two or more of the contracts listed for this month's letting, the bidder must complete and execute these sheets of the proposal in each of the individual proposals to constitute a combination bid. In addition to this requirement, each individual contract shall be completed, executed and submitted in the usual specified manner.

Failure to execute this Combination Bid Proposal in each of the contracts combined will be just cause for each proposal to be received and evaluated as a separate bid.

It is understood that the Mississippi Transportation Commission not only reserves the right to reject any and all proposals, but also the right to award contracts upon the basis of lowest separate bids or combination bids most advantageous to the State.

It is further understood and agreed that the Combination Bid Proposal is for comparison of bids only and that each contract shall operate in every respect as a separate contract in accordance with its proposal and contract documents.

I (We) agree to complete each contract on or before its specified completion date.

\*\*\*\*\*

**COMBINATION BID PROPOSAL**

This proposal is tendered as one part of a Combination Bid Proposal utilizing option \_\_\_\* of Subsection 102.11 on the following contracts:

\* Option to be shown as either (a), (b), or (c).

	<u>Project No.</u>	<u>County</u>	<u>Project No.</u>	<u>County</u>
1.	_____	_____	6.	_____
2.	_____	_____	7.	_____
3.	_____	_____	8.	_____
4.	_____	_____	9.	_____
5.	_____	_____	10.	_____

(a) If Combination A has been selected, your Combination Bid is complete.

(b) If Combination B has been selected, then complete the following page.

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

For Informational Purposes Only

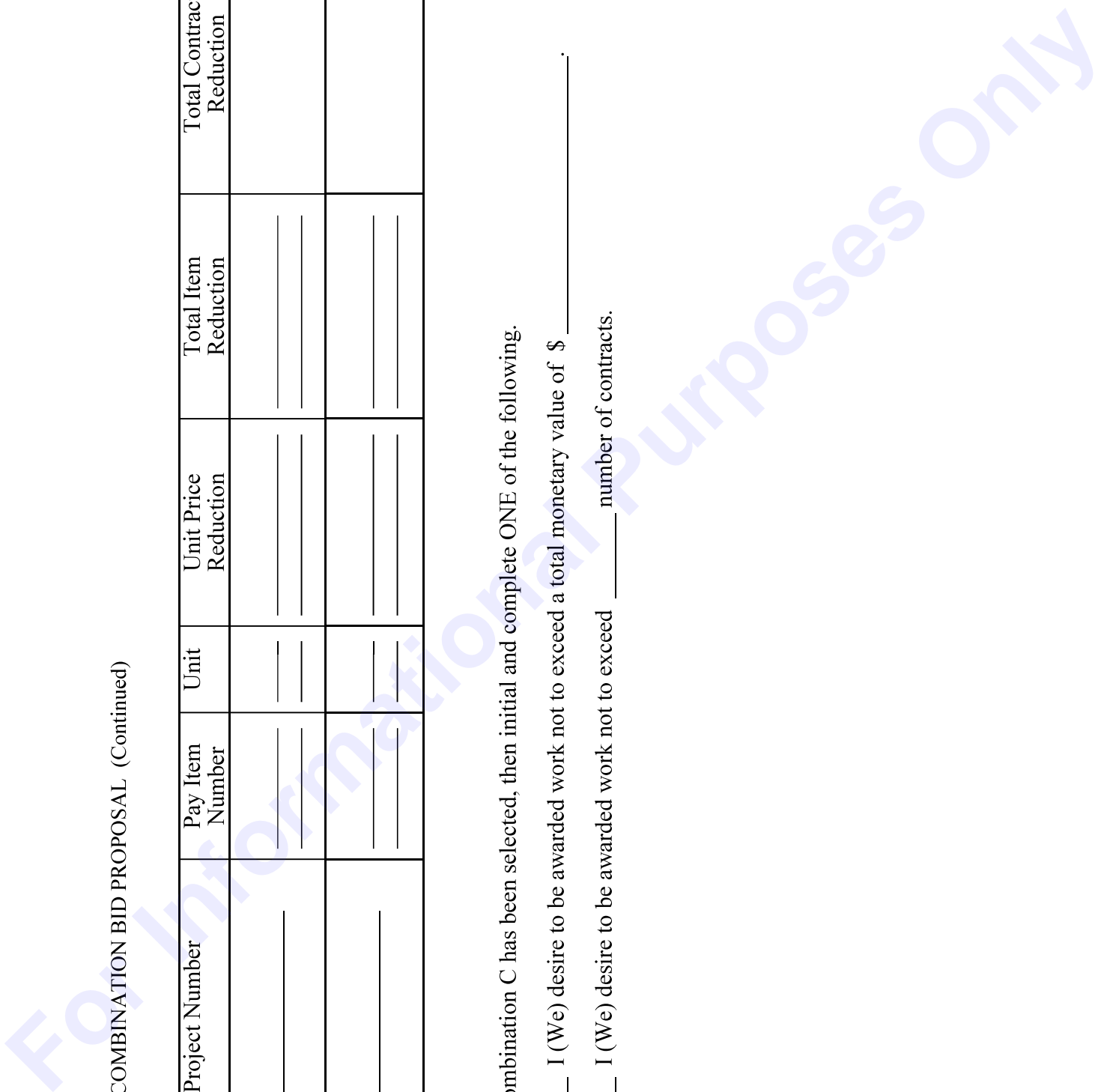
SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
9.					
10.					

(c) If Combination C has been selected, then initial and complete ONE of the following.

\_\_\_\_\_ I (We) desire to be awarded work not to exceed a total monetary value of \$ \_\_\_\_\_.

\_\_\_\_\_ I (We) desire to be awarded work not to exceed \_\_\_\_\_ number of contracts.





TO: EXECUTIVE DIRECTOR, MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
JACKSON, MISSISSIPPI

**CERTIFICATE**

If awarded this contract, I (we) contemplate that portions of the contract will be sublet. I (we) certify that those subcontracts which are equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on September 8, 2011.

I (we) agree that this notification of intent DOES NOT constitute APPROVAL of the subcontracts.

_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)

NOTE: Failure to complete the above DOES NOT preclude subsequent subcontracts. Subsequent subcontracts, if any, equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on September 8, 2011.

Contractor \_\_\_\_\_

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**CERTIFICATION**

I, \_\_\_\_\_,  
(Name of person signing bid)

individually, and in my capacity as \_\_\_\_\_ of  
(Title of person signing bid)

\_\_\_\_\_  
(Name of Firm, partnership, or Corporation)

do hereby certify under penalty of perjury under the laws of the United States and the State of Mississippi

that \_\_\_\_\_, Bidder  
(Name of Firm, Partnership, or Corporation)

on Project No. **SP-0059-01(136)/ 109567301000**

in **Forrest** \_\_\_\_\_ County(ies), Mississippi, has not either directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds are not currently under suspension, debarment, voluntary exclusion or determination of ineligibility; nor have a debarment pending; nor been suspended, debarred, voluntarily excluded or determined ineligible within the past three years by the Mississippi Transportation Commission, the State of Mississippi, any other State or a federal agency; nor been indicted, convicted or had a civil judgment rendered by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

Do exceptions exist and are made a part thereof?            Yes / No

Any exceptions shall address to whom it applies, initiating agency and dates of such action.

Note: Exceptions will not necessarily result in denial of award but will be considered in determining bidder responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

All of the foregoing is true and correct.

(1/2016 S)

## SECTION 902

CONTRACT FOR \_\_\_\_\_  
LOCATED IN THE COUNTY(IES) OF \_\_\_\_\_

STATE OF MISSISSIPPI  
COUNTY OF HINDS

This Contract is entered into by and between the Mississippi Transportation Commission (the "Commission") and the undersigned contractor (the "Contractor"), as follows:

As consideration for this Contract, the Commission agrees to pay the Contractor the amount(s) set out in the Proposal attached hereto. Said payment will be made in the manner and at the time(s) specified in the Specifications and/or Special Provisions, if any. In exchange for said consideration, the Contractor hereby agrees to accept the prices stated in the Proposal as full compensation for the furnishing of all labor, materials and equipment, and the execution of the scope of work identified for this referenced Project as contemplated in this Contract, and as more fully outlined in the Contract Documents (the "Work"). The Contract Documents consist of the Advertisement, the Notice to Bidders, the Proposal, the Specifications, the Special Provisions, and the approved Plans, all of which are hereby made a part of this Contract and incorporated herein by reference.

The Contractor shall be responsible for all loss or damage arising out of, or in any way in connection with the Work, or from any unforeseen obstructions or difficulties that may be encountered in the prosecution of the Work, and for all risks of every description connected with the Work, with the exception of any items specifically excluded in the Contract Documents. The Contractor shall fully and faithfully complete the Work in a good and workmanlike manner, according to the Contract Documents and any Supplemental Agreements thereto.

The Contractor further agrees that the Work shall be done under the direct supervision of, and to the complete satisfaction of, the Executive Director of the Mississippi Department of Transportation, or his authorized representative(s), and, when federal funds are involved, subject to the inspection and approval of the Federal Highway Administration, or its agents, and/or the agents of any other state or federal agency whose funds are involved. Further, the Work shall be done in accordance with any applicable state and federal laws, and any such rules and regulations issued by the Commission and/or any relevant Federal Agency.

The Contractor agrees that all labor as outlined in the Contract Documents may be secured from a list furnished by the Manager of the Win Job Center nearest the project location, or any successor thereto.

It is agreed and understood that each and every provision of law and clause required by law to be inserted into this Contract shall be deemed to be inserted herein, and this Contract shall be read and enforced as though it were included herein. If through mere mistake or otherwise, any such provision is not inserted, then upon the application of either party hereto, the Contract shall be physically amended to make such insertion.

The Contractor agrees that he has read each and every clause of the Contract Documents, and fully understands the meaning of same, and hereby acknowledges that he will comply with all terms, covenants and agreements therein.

Witness our signatures, this the \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Contractor

By: \_\_\_\_\_  
Title: \_\_\_\_\_

\_\_\_\_\_  
Signed and sealed in the presence of: (name and address of witness)

\_\_\_\_\_  
\_\_\_\_\_

MISSISSIPPI TRANSPORTATION COMMISSION

\_\_\_\_\_  
Executive Director

\_\_\_\_\_  
Secretary to the Commission

Award authorized by the Mississippi Transportation Commission in session on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, Minute Book No. \_\_\_\_\_, Page No. \_\_\_\_\_.

**SECTION 903  
PERFORMANCE BOND**

**PERFORMANCE BOND FOR THE FOLLOWING CONTRACT:**

Project No.: \_\_\_\_\_

For the construction of: \_\_\_\_\_

Contract date: \_\_\_\_\_ Contract amount: \_\_\_\_\_

**FOR OWNER: MISSISSIPPI TRANSPORTATION COMMISSION, 401 N. WEST STREET, JACKSON, MISSISSIPPI 39201.**

**CONTRACTOR** (full legal name, contact person, phone number and address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SURETY** (legal name, phone number, principal place of business and address *for notice purposes*):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Second Surety (if applicable):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns, to the Owner for the performance of the Contract, which is incorporated herein by reference, and subject to the following terms:

1. If the Contractor fully and faithfully performs the Contract, the Surety and the Contractor shall have no obligation under this Bond.
2. The Surety's obligation under this Bond shall arise after:
  - (a) the Owner first provides notice to the Contractor and the Surety that termination is imminent, pursuant to the current edition of the Mississippi Standard Specifications for Road and Bridge Construction, which is a part of the Contract; and
  - (b) the Owner declares a Contractor Default, terminates the Contract, and notifies the Surety.
3. The Surety shall promptly and at the Surety's expense, take one of the following actions:
  - (a) Arrange for the Contractor, with the consent of the Owner, to perform and complete the Contract; or
  - (b) Undertake to perform and complete the Contract itself, through its agents or independent contractors.
4. If the Surety does not proceed as provided in Paragraph 3, within 20 calendar days as set forth in Section 108.08 of the current edition of the Mississippi Standard Specifications for Road and Bridge Construction, then the Surety shall be deemed to be in default on this Bond, and the Owner shall be entitled to enforce any remedy available to it under the Contract and applicable law.
5. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

- (a) the responsibilities of the Contractor for correction of defective work and completion of the Contract;
  - (b) additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 3; and
  - (c) liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the Contractor.
6. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.
  7. The penal sum of the Bond shall be subject to increase or decrease based on any subsequent Supplemental Agreements and/or final contract quantities.
  8. Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address listed for notice purposes on the first page of this Bond.

**CONTRACTOR AS PRINCIPAL**

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**SURETY**

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

MS Insurance ID # \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**SURETY (if applicable)**

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

MS Insurance ID # \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

**SECTION 903  
PAYMENT BOND**

**PAYMENT BOND FOR THE FOLLOWING CONTRACT:**

Project No.: \_\_\_\_\_

For the construction of: \_\_\_\_\_

Contract date: \_\_\_\_\_ Contract amount: \_\_\_\_\_

**FOR OWNER: MISSISSIPPI TRANSPORTATION COMMISSION, 401 N. WEST STREET, JACKSON, MISSISSIPPI 39201.**

**CONTRACTOR** (full legal name, contact person, phone number and address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SURETY** (legal name, phone number, principal place of business and address *for notice purposes*):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Second Surety (if applicable):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns, to the Owner for payment of labor, materials and equipment furnished for use in the performance of the Contract, which is incorporated herein by reference, subject to the following terms:

1. If the Contractor promptly makes payment of all sums due to any and all subcontractors, suppliers and/or laborers, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Contract, then the Surety and the Contractor shall have no obligation under this Bond.
2. The Owner shall provide notice to the Surety of any claims, demands, liens or suits against the Owner or the Owner's property that it receives from any person or entity ("Claimants") seeking payment for labor, materials or equipment furnished for use in the performance of the Contract.
3. Upon notice of any claims, demands, liens or suits provided by the Owner or Contractor or given to the Surety by a Claimant, the Surety shall promptly and at the Surety's expense, defend, indemnify and hold harmless the Owner against said claim, demand, lien or suit and shall take the following additional actions:
  - (a) Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
  - (b) Pay or arrange for payment of any undisputed amounts.
4. The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have no obligation under this Bond to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

5. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.
6. The penal sum of the Bond shall be subject to increase or decrease based on any subsequent Supplemental Agreements and/or final contract quantities.

**CONTRACTOR AS PRINCIPAL**

Company: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**SURETY**

Company: \_\_\_\_\_  
Signature: \_\_\_\_\_ MS Insurance ID # \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

**SURETY (if applicable)**

Company: \_\_\_\_\_  
Signature: \_\_\_\_\_ MS Insurance ID # \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_





# BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_  
Contractor

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State ZIP

As principal, hereinafter called the Principal, and \_\_\_\_\_  
Surety

a corporation duly organized under the laws of the state of \_\_\_\_\_

as Surety, hereinafter called the Surety, are held and firmly bound unto State of Mississippi, Jackson, Mississippi

As Obligee, hereinafter called Obligee, in the sum of **Five Per Cent (5%) of Amount Bid**

Dollars(\$ \_\_\_\_\_ )

for the payment of which sum will and truly to be made, the said Principal and said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for **Emergency Bridge Repair on I-59 over US 49 (Bridge No. 66.8A), known as State Project No. SP-0059-01(136) / 109567301 in Forrest County.**

NOW THEREFORE, the condition of this obligation is such that if the aforesaid Principal shall be awarded the contract, the said Principal will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms and conditions of the contract, then this obligation to be void; otherwise the Principal and Surety will pay unto the Obligee the difference in money between the amount of the bid of the said Principal and the amount for which the Obligee legally contracts with another party to perform the work if the latter amount be in excess of the former, but in no event shall liability hereunder exceed the penal sum hereof.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
(Principal) (Seal)

\_\_\_\_\_  
(Witness) (Name) By: \_\_\_\_\_ (Title)

\_\_\_\_\_  
(Surety) (Seal)

\_\_\_\_\_  
(Witness) (Attorney-in-Fact) By: \_\_\_\_\_

\_\_\_\_\_  
(MS Agent)

\_\_\_\_\_  
Mississippi Insurance ID Number