SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	**1**	DATED	**9/19/2025**	ADDENDUM NO.		DATED	
ADDENDUM NO	**2**	DATED	**9/22/2025**	ADDENDUM NO.		DATED	
ADDENDUM NO	**3**	DATED	**9/26/2025**	ADDENDUM NO.		DATED	

Number	Description
1	Postponed til October 3, 2025 Letting; Amendment EBSx Download Required.
2	Revised Postponed til October 3, 2025 Letting; Amendment EBSx Download Required.
3	Revised Table of Contents; Revised Advertisement; Revised NTB No. 7311; Added SP 907-202-9; SP 907-824-4 replaces SP 907-824-3; Revised Bid Items; Revised or Added Plan Sheet Nos. 8001- 8003 & 8005; Amendment EBSx Download Required.

TOTAL ADDENDA: **3**
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

_____
Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____
President Address

_____
Secretary Address

_____
Treasurer Address

The following is my (our) itemized proposal.

NHPP-0220-03(038)/ 109677301000 & NHPP-0055-02(283)/ 109678301000

Madison & Hinds County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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907-618-11	Work Zone Law Enforcement
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907-721-4	Materials for Signing
907-804-10	Bridge Deck Overlay
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907-823-8	Preformed Joint Seal
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Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

09/26/2025 12:42 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, October 3, 2025, from the Bid Express Service and shortly thereafter publicly read in the Construction Division Conference Room for:

Bridge Repair on I-220 over Lynch Street (Bridge Nos. 0.5A & 0.5B) & on I-55 North to I-220 West (Bridge No. 11.4), known as Federal Aid Project Nos. NHPP-0220-03(038) / 109677301 & NHPP-0055-02(283) / 109678301 in Hinds & Madison Counties.

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

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

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

Contractors may request permission to bid online at http://shop.mdot.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://shop.mdot.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://shop.mdot.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. 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

SECTION 904 - NOTICE TO BIDDERS NO. 7311 **CODE: (SP)**

DATE: **09/26/2025**

SUBJECT: **Lane Closure Restrictions and Additional Work Requirements**

PROJECT: **NHPP-0220-03(038) / 109677301 – Hinds County**
NHPP-0055-02(283) / 109678301 – Madison County

Bidders are hereby advised of the following lane closure restrictions on the above captioned project:

109677-301000 I-220 over Lynch Street

Installation of Hybrid Concrete Polymer Overlay and Endwall Repair

Lane closures for this work shall be allowed on **weekends** from 7:00 PM Friday to 6:00 AM Monday.

The Contractor must give the Engineer a 7-day notice prior to beginning said weekend work.

All Other Operations

- No lane closures Monday to Saturday from 6:00 AM to 7:00 PM
- No lane closures will be permitted on Sunday. Sunday is defined as 7 PM Saturday to 7 PM Sunday.

109678-301000 I-55 N to I-220 West

In addition to the requirements included in Notice to Bidders No. 7171, "Milestone Completion Date", Bidders are advised of the following:

- No lane closures Monday to Saturday from 6:00 AM to 7:00 PM
- No lane closures will be permitted on Sunday. Sunday is defined as 7 PM Saturday to 7 PM Sunday.

Bidders are further advised that **no lane closures will be permitted for shoring operations**. Shoulder closures will be allowed only if approved by the Engineer and included in the proposed temporary shoring plan as required in the Contract Plans. Any traffic control devices or barriers to protect the shoring and workers from traffic shall be absorbed in Maintenance of Traffic.

Bidders are further advised that a vertical clearance of sixteen (16) feet must be maintained on all bridges.

If the lane closure restrictions or additional work requirements listed above are violated, the Contractor will be charged a fee of **$500.00** for each full or partial 5 - minute period until the roadway is back in compliance with the requirements stated above.

Official time can be obtained by calling the following Jackson area phone number: 601-355-9311.

All night work shall be in accordance with Section 680 Portable Construction Lighting.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-202-9 **CODE: (SP)**

DATE: 09/26/2025

SUBJECT: Removal and Disposal of Bird Debris

PROJECT: NHPP-0220-03(038) / 109677301 & NHPP-0055-02(283) / 109678301 – Hinds & Madison Counties

Section 202, Removal of Structures and Obstructions, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-202.01--Description. After the last paragraph of subsection 202.01 on page 104, add the following.

This work may also include the removal and disposal of bird debris/feces on existing bridge structures. Since bird debris/feces may contain bacteria and other pathogens that can cause illness, the Contractor should make every effort to prevent infection by avoiding direct contact with bird debris while cleaning affected areas.

907-202.03--Construction Requirements. After Subsection 202.03.5 on page 105, add the following.

907-202.03.6--Removal of Bird Debris.

907-202.03.6.1--Scope of Work. The general scope of work for the removal and disposal of bird debris/feces shall be as follows:

- The initial step shall consist of wetting the work area with an EPA approved hospital grade disinfectant. The disinfectant product shall be applied in accordance with the manufacturer's recommendations.
- Technical literature and material safety data sheets shall be submitted to MDOT for approval.
- Once the fecal matter has been sufficiently disinfected, the removal of feces and cleaning procedure shall occur.
- Once all fecal matter has been sufficiently removed to the satisfaction of the Department, the area shall be thoroughly cleaned/disinfected with the EPA approved hospital grade disinfectant.
- All process water created during the cleaning / removal process shall be collected and stored on site. No process water shall be allowed to leave the MDOT right of way.
- All process water shall be properly disposed at a properly permitted facility for the disposal of such material.

907-202.03.6.2--Personnel Protection. The Contractor shall adhere to all the applicable requirements of 29 CFR 1910.120 (OSHA).

The Contractor shall advise workers of potential health effects associated with bird feces prior to the initiation of work. Due to the potential health effects, the use of appropriate work procedures and personal protective equipment shall be strictly followed. As a minimum, the Contractor's workers shall be instructed of the following:

- Use of properly fit tested (NIOSH approved) respirators.
- Use of protective clothing.
- Entry and exit from work areas.
- Aspects of work procedures.
- Protective measures.
- Safety and emergency egress procedures.

Each worker shall use respiratory protection equipment approved by the National Institute for Occupational Safety and Health (NIOSH). Respiratory protection shall be worn during the wetting and removal of fecal material. Respiratory protection shall consist of a half-mask, negative pressure air-purifying respirators equipped with HEPA particulate (P100) cartridges. **The use of disposable dust masks are not acceptable respiratory protection for this project.**

The Contractor shall have the following documents on file for all workers utilized in the removal process:

1. Current (within 1 year) physician's approval to wear a respirator.
2. Respirator fit test certification (within 1 year).

The Contractor shall provide workers with sufficient sets of protective disposable clothing. The clothing shall consist of full-body coveralls, integral head/foot covers, and gloves in proper size to fit all workers. Workers performing removal work shall wear a layer of disposable clothing over street clothes or undergarments while in the work area. Protective clothing shall be secured (for example taped) to ensure that skin or street clothing is not exposed.

The Contractor shall ensure that each worker and authorized visitor wears respiratory protection and a layer of protective clothing (disposable coveralls, head covers, gloves, footwear) over street clothes or undergarments before entering active work areas. The Contractor shall ensure that each worker and authorized visitor removes the layer of protective clothing and that protective clothing is placed in an impermeable bag or container. Respirators shall be required to remain on until after the wearer exits the work area.

907-202.04--Method of Measurement. After the last paragraph of Subsection 202.04 on page 106, add the following.

Removal of Bird Debris will be measured per each, which includes each individual bridge involved. When removal is performed on twin bridges, each bridge will be paid for separately.

907-202.05--Basis of Payment. After the second paragraph of Subsection 202.05 on page 106, add the following.

Removal of Bird Debris, measured as prescribed above, will be paid for at the contract price per each bridge, which price shall be full compensation for all labor, equipment, materials, collection of water/debris, disposal of water/debris, training, permits, licenses, and all incidentals necessary to complete the work.

Add the following to the list of pay items in Subsection 202.05 on page 106.

907-202-B: Removal of Bird Debris - per each

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-824-4 **CODE: (SP)**

DATE: **09/09/2025**

SUBJECT: **Routine Bridge Repair**

Section 907-824, Routine Bridge Repair, is hereby added to and made a part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-824 – ROUTINE BRIDGE REPAIR

907-824.01--Description. This work shall consist of constructing and installing routine bridge repair items including General Epoxy Repair, Bi-directional or Uni-directional Fiber Reinforced Polymer (FRP) Wrap, Cap Cleaning, Bearing Replacements, Epoxy Injection, and Encapsulated Field Painting in accordance with the details on the plans, and the requirements set out herein.

Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not be cause for contract price adjustment.

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

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

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

For additional information and details, see work related items below and on the standard drawings. At the Contractor's request, Bridge Division will provide a complete set of As-Built plans for the existing bridge.

907-824.02--Materials.

907-824.02.1--General Epoxy Repair. Materials for general epoxy repair shall be as follows or a material approved by the Director of Structures, State Bridge Engineer.

Epoxy Resin. Resin shall be selected from the MDOT Approved Products List and meet the requirements of ASTM C881, Type I, Grade 2, Class C.

Silica Sand. The materials shall be bagged general purpose cleaning sand.

Epoxy Mortar Mix. The epoxy mortar mix shall consist of part liquid epoxy and part clean dry sand mixed in the ratio recommended by the Manufacturer.

907-824.02.2--FRP Wrap. FRP wrap shall be one of the following products, or an approved equal, and shall be applied according to the Manufacturer's recommendations:

- "FRP Wrap" as manufactured by Fyfe Co. LLC, www.aegion.com/about/our-brands/fyfe
- "FRP Wrap" as manufactured by BASF Building Systems LLC, www.master-builders-solutions.basf.us
- "FRP Wrap" as manufactured by Sikawrap Inc. www.usa.sika.com
- "FRP Wrap" as manufactured by MAPEI Corp., www.mapei.com/us/en-us/

907-824.03--Construction Requirements.

907-824.03.1--General Epoxy Repair. Epoxy repair under this pay item is for general concrete spall repairs, and shall be bid such that the item may be increased, decreased or eliminated as directed by the Project Engineer. All epoxy repairs shall be performed in accordance with the details shown on the Drawings and in accordance with the notes herein. Repair concrete spalled areas on the bridge as directed by the Project Engineer and the locations listed in the plans using epoxy mortar. The Contractor shall determine the depth of reinforcement prior to any saw cutting. Spalled areas where pack rust has developed around or on reinforcement shall be blasted clean prior to repairing the spalled location. All areas of the bridge repaired with epoxy mortar shall be restored to the original dimensions as shown in the information plans, unless noted otherwise.

A Representative of the epoxy manufacturer must be present for sufficient time to ensure that the Contractor is properly schooled in the use of the epoxy material.

Prior to placement of the mortar mix, the prepared surface shall be lightly primed with neat epoxy.

Acetone alcohol may be used to clean and lubricate trowels.

Curing time shall be in accordance with the Manufacturer's recommendations.

907-824.03.2--FRP Wrap. After all spalled locations on the bent caps, beams or piling are repaired, the repair locations on all bent caps shall be wrapped with FRP wrap in accordance with the notes below and the drawings.

FRP wrap shall be applied to bent caps, beams or piling as designated in the plans. FRP wrap shall be either bi-directional or uni-directional.

The Contractor shall furnish all submittals indicating the materials, tools, equipment, transportation, necessary storage, labor, installation plan and supervision required for the application of the composite or polymer system to the Director of Structures, State Bridge Engineer through the Project Engineer prior to construction. Products shall be stored according the manufacturer's requirements and shall avoid contact with moisture, dust and chemical exposure. All FRP composite systems shall be proprietary systems consisting of all associated fiber reinforcement and polymer adhesives/resins. FRP composites consisting of fiber reinforcement and polymers provided by more than one manufacturer are not allowed. The FRP composite system shall utilize carbon fiber reinforcement as the primary fiber material (primary structural component). The FRP system shall be top coated with a coating approved by the FRP system supplier. The coating color shall be selected by the Project Engineer.

FRP wraps shall not be installed when the ambient temperature is below 40°F or above 130°F. In cold conditions, auxiliary heat may be applied to raise the ambient temperature to a suitable level. Clean heat sources shall be utilized for this purpose (e.g., electric or propane) that do not contaminate the substrate with carbonation.

FRP wraps shall not be installed when surface moisture is present on the substrate or when rainfall or condensation is anticipated in the work areas. If water leakage exists through cracks or concrete joints, water flow shall be stopped prior to FRP installation. Resins (including primers and fillers) shall be mixed according to the FRP system manufacturer's installation instructions. All resin components shall be at a proper temperature and mixed in the manufacturer's prescribed mix ratio until there is a uniform and complete mixing of components.

Resin components are often contrasting colors, so full mixing is achieved when color streaks are eliminated. Resins should be mixed for the Manufacturer's prescribed mixing time and visually inspected for uniformity of color. A representative of the FRP wrap manufacturer must be present for sufficient time to assure that the Contractor is properly schooled in the installation of FRP wrap. Prior to installation of FRP wraps, the Contractor shall repair concrete spall areas in accordance with general epoxy repair notes herein and the details in the plans. The fibrous reinforcement system shall have a minimum tensile force as shown in the plan details. The direction of the fiber wrap shall be in the direction shown on the Contract Plans.

In addition to the Manufacturer's requirements, the Contractor shall ensure the structural and durability of the reinforced fiber wrap system by meeting the following acceptance guidelines:

Small delaminations, less than two inches (2") each, are permissible as long as the delaminated area is less than 5% of the total laminate area and there are no more than 10 such delamination per 10 feet.

Large delaminations, greater than 25 inches, can affect the performance of the installed system and shall be repaired by selectively cutting away the affected sheet and applying an overlapping sheet patch of equivalent piles. Delaminations less than 25 inches may be repaired by ply replacement.

The Contractor shall submit an FRP repair procedure to the Project Engineer for review and approval by the Director of Structures, State Bridge Engineer. This must be performed prior to repairing and delaminated areas.

907-824.03.3--Cap Cleaning. The caps at every bent shall be cleaned to the satisfaction of the Project Engineer after all other work has been done. All large debris shall be removed by hand while other debris, including but not limited to dirt and rust, shall be removed by pressure washing the bent caps. The pressure washer shall be able to maintain 3,500 psi of pressure. Prior to construction, the Contractor shall submit a proposed containment plan to the Project Engineer for approval by the Director of Structures, State Bridge Engineer.

907-824.03.4--Bearing Replacements. All bearings should be removed and replaced according to Bearing Assembly Details. All structural steel shall conform to ASTM A709, Grade 50. All steel shall be new. Extreme care shall be exercised in removing the existing bearing plates that are welded to the anchor plates embedded in the prestressed beams. Existing anchor bolts shall be ground to ¼" below the concrete surface and grouted with epoxy mortar.

The bottom of the existing anchor plates shall be finished smooth to accommodate the new steel plates and painted with approved encapsulating paint. All pack rust and scale within the designated areas shall be removed by using small hand tools, mechanical process, or needle gun. All areas required to be painted containing grease films after the initial cleaning shall be cleaned with a biodegradable solvent. All debris removed from the existing structure shall become property of the Contractor and shall be disposed of properly. The Contractor shall provide technical data for the proposed encapsulating paint to be used on this project to the Project Engineer for approval by the Director of Structures, State Bridge Engineer. New paint shall be applied by hand, with either a brush or roller.

The new steel plates shall be cleaned and then painted with one shop coat of inorganic zinc, one field intermediate coat of acrylic latex, and one field top coat of acrylic latex per Section 814 of the Standard Specifications. Painting of new steel plates and existing anchor plates shall not be measured for separate pay and all costs shall be included in the price bid for Bearing Replacement.

Prior to any construction or fabrication, the Contractor shall comply with the submittal requirements listed in the bearing replacement details. The Contractor shall be responsible for adjusting the elements of the new construction to ensure a proper fit with the existing structure.

The Contractor shall provide adequate bracing and jacking arrangements as required to replace the existing bearings. The beam end shall only be raised to ¼" from its original position. Traffic shall be maintained on the bridge during the duration of the repair.

The Contractor shall employ the service of a Mississippi Registered Professional Engineer who is knowledgeable in the field of Bridge Design. A complete set of bracing and jacking arrangement plans along with design calculations shall be submitted to the Director of Structures, State Bridge Engineer through the Project Engineer for review prior to construction and shall bear the design Engineer's seal.

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

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

907-824.03.5--Epoxy Injection. All cracks greater than 1/32" shall be injected with an approved epoxy resin adhesive of the gel type. Prior to injecting any cracks, the crack shall be cleaned with a high velocity filtered air jet.

A representative of the epoxy manufacturer shall be present for sufficient time to ensure that the Contractor is properly schooled in the use of the epoxy material. Epoxy resin adhesive shall be installed in strict accordance with the manufacturer recommendations. Curing time shall be in accordance with manufacturer's recommendations. After epoxy injection is complete, all injection ports shall be removed.

907-824.03.6--Encapsulating Field Painting. The Contractor should be aware that the existing paint on the steel structure may contain lead.

Prior to construction, the Contractor shall submit a Temporary Containment Plan for the removal of the existing paint and rust from the designated repair areas to the Project Engineer for approval by the Director of Structures, State Bridge Engineer. Also, the Contractor shall submit a Temporary Containment Plan for painting the designated repair areas.

All pack rust and scale within the designated areas shall be removed by using small hand tools, mechanical process, or needle gun. All areas required to be painted containing grease films after the initial cleaning shall be cleaned with a biodegradable solvent. Existing paint shall be roughened to ensure the new paint will adhere to the existing painted surface. All debris and paint removed from the existing structure shall become the property of the Contractor and shall be disposed of properly.

All exposed steel surfaces in the repair areas shall be painted with an encapsulating paint designed to encapsulate lead-based paints, and applied according to the manufacturer's recommendations. This will include but is not limited to: existing bearings, beams, and diaphragm assemblies, etc.

The Contractor shall provide technical data for the proposed encapsulating paint to be used on this project to the Project Engineer for approval by the Director of Structures, State Bridge Engineer.

New paint shall be applied by hand with brush or roller.

907-824.04--Method of Measurement. Epoxy Repair, completed in accordance with the plans and specifications, will be measured per square foot. All items of work related to epoxy repair shall be included in the square foot unit price.

FRP Wrap, Bi-directional and Uni-directional, completed in accordance with the plans and specifications, will be measured per linear foot or square foot.

Cap Cleaning, completed in accordance with the plans and specifications, will be measured per each.

Bearing Replacements, completed in accordance with the plans and specifications, will be measured per each.

Epoxy injection, complete in accordance with the plans and specifications, will be measured by the linear foot.

Encapsulating Field Painting, complete in accordance with the plans and specifications, will be measured by the square foot.

907-824.05--Basis of Payment. Epoxy Repair, measured as prescribed above, will be paid for at the contract unit price per square foot, which price shall be full compensation for materials, labor, equipment, and incidentals necessary to complete the work.

FRP Wrap, Bi-directional and Uni-directional, measured as prescribed above, will be paid for at the contract unit price per linear foot or square foot, which price shall be full compensation for all labor, materials, surface preparation, and incidentals associated with the installation of FRP wraps, including epoxy mortar repairs, necessary to complete the work.

Cap Cleaning, measured as prescribed above, will be paid for at the contract unit price per each, which price shall be full compensation for all materials, labor, equipment and incidentals necessary to complete the work.

Bearing Replacements, measured as prescribed above, will be paid for at the contract unit price per each, which price shall be full compensation for all materials, labor, equipment and incidentals necessary to complete the work.

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

Encapsulating Field Painting, measured as prescribed above, will be paid for at the contract unit price per square foot, which price shall be full compensation for all materials, labor, equipment, cleaning, and incidentals necessary to complete the work.

Payment will made under:

907-824-A:	General Epoxy Repair	- per square foot
907-824-B:	FRP Wrap, *	- per linear foot or square foot
907-824-C:	Cap Cleaning	- per each
907-824-D:	Bearing Replacements **	- per each
907-824-E:	Epoxy Injection	- per linear foot
907-824-F:	Encapsulating Field Painting	- per square foot

* Indicate Bi-directional, Uni-directional, etc.

** Type of Bearing (Prestressed Concrete Girder, Concrete Box Girder or Steel Girder) may be specified.

Bridge Repair on I-220 over Lynch Street (Bridge Nos. 0.5A & 0.5B) & on I-55 North to I-220 West (Bridge No. 11.4), known as Federal Aid Project Nos. NHPP-0220-03(038) / 109677301 & NHPP-0055-02(283) / 109678301 in Hinds & Madison Counties.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			Roadway Items		
0010	202-B240		3,100	Linear Feet	Removal of Traffic Stripe
0020	619-A1003		1,900	Linear Feet	Temporary Traffic Stripe, Continuous White, Paint
0030	619-A2003		1,900	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Paint
0040	619-A3004		700	Linear Feet	Temporary Traffic Stripe, Skip White, Paint
0050	619-A5002		700	Linear Feet	Temporary Traffic Stripe, Detail, Paint
0060	619-D1001		173	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0070	619-D2001		412	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0080	619-G4001		108	Linear Feet	Barricades, Type III, Double Faced
0090	619-G4005		138	Linear Feet	Barricades, Type III, Single Faced
0100	619-G5001		13	Each	Free Standing Plastic Drums
0110	619-G7001		4	Each	Warning Lights, Type "B"
0120	619-G8001		6	Each	Warning Lights, Type "C"
0130	620-A001		1	Lump Sum	Mobilization
0140	699-A001		1	Lump Sum	Roadway Construction Stakes
0150	699-B001		1	Lump Sum	Bridge Construction Stakes
0160	907-618-A001		1	Lump Sum	Maintenance of Traffic
0170	907-618-M2001		750	Hours	Work Zone Law Enforcement [$60.00]
0180	907-619-E3001		7	Each	Changeable Message Sign
0190	907-626-A008		700	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0200	907-626-B003		1,900	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0210	907-626-E004		1,900	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0220	907-626-G006		1,100	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0230	907-626-G007		300	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0240	907-627-K001		127	Each	Red-Clear Reflective High Performance Raised Markers
0250	907-627-K002		48	Each	Red-Yellow Reflective High Performance Raised Markers
			Bridge Items		
0260	202-B169		116	Linear Feet	Removal of Joint Material
0270	907-202-B001		3,193	Square Yard	Removal of Bridge Deck, Hydrodemolition
0272	907-202-B004		1	Each	Removal of Bird Debris
0280	907-416-A001		3,455	Square Yard	High Friction Surface Treatment
0290	907-804-O001	(S)	231	Cubic Yard	Bridge Deck Overlay Concrete
0300	907-808-A002	(S)	1,288	Linear Feet	Joint Repair

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0310	907-823-A002		644	Linear Feet	Preformed Joint Seal, Type II
0320	907-823-B002		1,288	Linear Feet	Saw Cut, Type II
0330	907-824-A003		52	Square Feet	General Epoxy Repair
0340	907-824-C001		8	Each	Cap Cleaning
0352	907-824-D003		9	Each	Bearing Replacements, Concrete Box Girder
0354	907-824-D003		16	Each	Bearing Replacements, Concrete Box Girder , Dapped Ends
0360	907-824-F001		220	Square Feet	Encapsulating Field Painting
0370	907-824-PP003		161	Square Feet	Bridge Repair, Removal of Bridge Deck
0380	907-824-PP004		1	Lump Sum	Bridge Repair, Temporary Shoring
0390	907-824-PP006		23	Each	Bridge Repair, Welding Repair
0400	907-824-PP007		2	Cubic Yard	Bridge Repair, Elastomeric Concrete
0410	907-824-PP008		1,280	Linear Feet	Bridge Repair, Class 2 Spray Finish
0420	907-824-PP008		290	Linear Feet	Bridge Repair, Endwall Repair
0430	907-828-A001	(S)	79	Cubic Yard	Hybrid Polymer Concrete Overlay

DESCRIPTION OF SHEETS - BRIDGE PRESERVATION

BRIDGE DIVISION			
REVISIONS			
DATE	SHEET NO.	DESCRIPTION	BY
9/24/2025	8003	REVISED TEMPORARY SHORING NOTES	JAF
9/24/2025	8002	UPDATED PAY ITEMS & QUANTITIES	JAF
9/24/2025	8005	REVISED BEARING REPLACEMENT NOTES	JAF

DEPARTMENT OF TRANSPORTATION
MISSISSIPPI

ADDENDUM

DESIGNED BY: JACOB FRIESS
DETAILED BY: JACOB FRIESS
CHECKED BY: ALEX HAWKINS
DATE: 2024-10-23 13:05:53

FMS CON: 109678/301000
PROJECT NO.: NHPP-0055-02(283)
COUNTY: MADISON

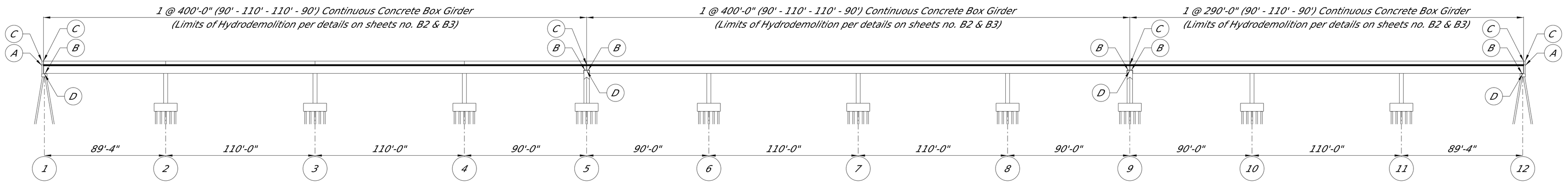
DETAILED INDEX (BRIDGE)

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

WK. NO.
DI-BR-1

SHEET NO.
8001

9/25/2025 7:06:47 AM Bridge Repair Plans.dgn PLAN SHEET



ELEVATION WITH PROFILE ALONG ℄ BRIDGE

Not to Scale

■ Indicates existing bridge deck to be repaired by hydrodemolition. For notes and details, see sheets no. B2 & B3.

(A) Indicates end bent endwall to be partially removed and rebuilt per the notes and details on sheet no. B5.

(B) Indicates locations of bearing removal and replacement. For plan view and more information, see sheet no. B4.

(C) Indicates existing joint assembly to be removed and replaced. For notes and details, see sheets no. B5 & B6.

(D) Indicates caps to be cleaned after all other work has concluded. For more information, see notes on this sheet.

ESTIMATED QUANTITIES

	PAY ITEM NO.	DESCRIPTION	TOTAL QUANTITIES	UNITS
1	907-202-B004	Removal of Bird Debris	1	EACH
	907-202-B001	Removal of Bridge Deck, Hydrodemolition	3193	SY
	907-416-A001	High Friction Surface Treatment	3455	SY
	907-804-O001	Bridge Deck Overlay Concrete	231	CY
	907-808-A002	Joint Repair	370	LF
	907-823-A002	Preformed Joint Seal, Type II	185	LF
	907-823-B002	Saw Cut, Type II	370	LF
	907-824-A003	General Epoxy Repairs	18	SF
	907-824-C001	Cap Cleaning	4	EACH
1	907-824-D003	Bearing Replacements, Concrete Box Girder	9	EACH
1	907-824-D003	Bearing Replacements, Concrete Box Girder, Dapped Ends	16	EACH
	907-824-PP003	Bridge Repair, Removal of Bridge Deck	161	SF
	907-824-PP004	Bridge Repair, Temporary Shoring	1	LS
	907-824-PP008	Bridge Repair, Endwall Repair	63	LF

SCOPE OF WORK:

1. Perform hydrodemolition along the entire bridge in accordance with the details on sheets no. B2 & B3. Work for this item of work shall be paid for under pay item nos. 907-202-B001, 907-804-O001 & 907-824-PP003.
2. Install High Friction Surface Treatment across the entire bridge deck in accordance with the notes on this sheet. This item of work shall be paid for under pay item no. 907-416-A001: High Friction Surface Treatment.
3. Remove and rebuild portions of both bridge endwalls in accordance with the notes and details on sheet no. B5. This item of work shall be paid for under pay item no. 907-824-PP008: Bridge Repair, Endwall Repair.
4. Seal all open joints in accordance with the notes and details on sheets no. B5 & B6. This item of work shall be paid for under pay item no. 907-808-A002, 907-823-A002 & 907-823-B002.
5. Repair spalled locations with epoxy mortar in accordance with the notes, details, and locations specificed on this sheet and sheet no. B7. This item of work shall be paid for under pay item no. 907-824-A003: General Epoxy Repairs.
1. 6. Remove and replace bearing assemblies in accordance with the notes, details, and locations shown on sheets no. B4. Bearing replacement at the end bents no. 1 & 12 shall be paid for under pay item no. 907-824-D003: Bearing Replacement, Concrete Box Girder. Bearing replacement at bents no. 5 & 9 shall be paid for under pay item no. 907-824-D003: Bearing Replacements, Concrete Box Girder, Dapped Ends.
7. Clean caps at open joints in accordance with the notes and details on this sheet. This item of work shall be paid for under pay item no. 907-824-C001: Cap Cleaning.

INFORMATION PLANS

Additional as-built information plans are available at the Contractor's request & can be provided by Bridge Division.

GENERAL NOTES:

Mississippi Standard Specifications for Road and Bridge Construction, 2017.
No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not be cause for contract price adjustment.
Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefore will be included in the prices and payments for bid items.
All details are based on the dimensions shown on the original plans for the existing structure. The Contractor shall be responsible for adjusting the elements of the construction to ensure a proper fit with the existing structure.
Any damage that occurs to the existing structure during the duration of the project shall be repaired to the satisfaction of the Engineer by the Contractor at no additional cost to the State.

HYDRODEMOLITION GENERAL NOTES:

1. Bridge concrete for hydrodemolition repair and bridge deck repair shall be bridge deck overlay meeting the requirements of Special Provision 907-804. The mix design shall be furnished by the Contractor for approval by the Materials Division.
2. All existing concrete surfaces that will be in contact with new concrete shall be painted with a cement slurry designed to bond new concrete to old.
3. The new concrete overlay shall be tine finished.

HIGH FRICTION SURFACE TREATMENT NOTES:

The High Friction Surface Treatment shall consist of installing a textured, high friction surface treatment on the entire bridge deck. The color of the high friction surface treatment shall be similar to the surface which it will be applied.
The High Friction Surface Treatment shall be applied in accordance with Special Provision Subsection 907-416.03 and with the materials outlined in Special Provision Subsection 907-416.02. All work and materials required to install the High Friction Surface Treatment shall be paid for under Pay Item No. 907-416-A001: High Friction Surface Treatment.

EPOXY MORTAR REPAIR NOTES:

General Epoxy Repair shall be done in accordance with Special Provision Subsection 907-824.03.1 and with the approved materials outlined in Special Provision Subsection 907-824.02.1. All work and material required to perform this item of work shall be paid for under Pay Item No. 907-824-A003 General Epoxy Repair. For EPOXY REPAIR DETAILS, see sheet no. B7.

It should be noted that hammers used for concrete removal should be limited to 15 lbs. for box girder repairs and 30 lbs. for all other epoxy repairs.

CAP CLEANING NOTE:

Cap cleaning shall be done in accordance with Special Provision Subsection 907-824.03.3. This item of work shall be paid for under Pay Item No. 907-824-C001 Bridge Repair, Cap Cleaning.

DEBRIS NOTE:

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

CONTRACTOR SUBMITTALS:

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

HIGH FRICTION SURFACE TREATMENT SUBMITTAL:
The Contractor shall submit the required submittals outlined in Special Provision Subsection 907-416.02.3 to be approved by the Director of Structures, State Bridge Engineer.

FIELD VERIFICATION SUBMITTAL:
All dimensions of the existing structure and clearances shall be field verified by the Contractor. The Contractor shall be responsible for adjusting the elements of the new construction to ensure proper fit with the existing structure. The Contractor shall submit verification of the existing bridge elements associated with the work items described herein. This shall include, but is not limited to :
a. Finish grades at existing bridge.
b. Existing bearing dimensions.
c. Existing cap dimensions.
d. Any other element that will affect the work described herein.

BEARING SHOP DRAWING SUBMITTAL:
The Contractor hall submit shop drawings for new bearing assemblies to be installed at bents 1, 5, 9 & 12. Shop drawings shall not be approved without the corresponding field verification submittal outlined above.

JACKING PLANS SUBMITTAL:
The Contractor shall submit a complete set of bracing and jacking arrangement plans along with design calculations associated with bearing replacements for each bearing replacement location.

HYDRODEMOLITION PLAN SUBMITTAL:
The Contractor shall submit a proposed hydrodemolition plan prior to beginning work to be approved by the Director of Structures, State Bridge Engineer.

SHORING PLAN SUBMITTAL:
The Contractor shall submit a proposed shoring plan and a set of design calculations to the Director of Structures, State Bridge Engineer for review.

CONTAINMENT PLAN SUBMITTAL:
The Contractor shall submit a containment plan associated with the work items described in these plans to the Director of Structures, State Bridge Engineer for approval.

SPECIAL PROVISIONS REQUIRED:

907-202: Removal of Bridge Deck, Hydrodemolition
907-416: High Friction Surface Treatment
907-804: Bridge Deck Overlay Concrete
907-808: Joint Repair
907-823: Preformed Joint Seal
907-824: Routine Bridge Repair

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM

DESIGNED BY: JACOB FRIESS
DETAILED BY: JACOB FRIESS
CHECKED BY: ALEX HAWKINS
DATE: 2024-10-23 13:05:53

FMS CON: 109678/301000
PROJECT NO.: NHPP-0055-02(283)
COUNTY: MADISON

BRIDGE PRESERVATION
GENERAL NOTES & ESTIMATED QUANTITIES

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

WK. NO. **1 OF 7**

SHEET NO. **8002**

PLAN SHEET

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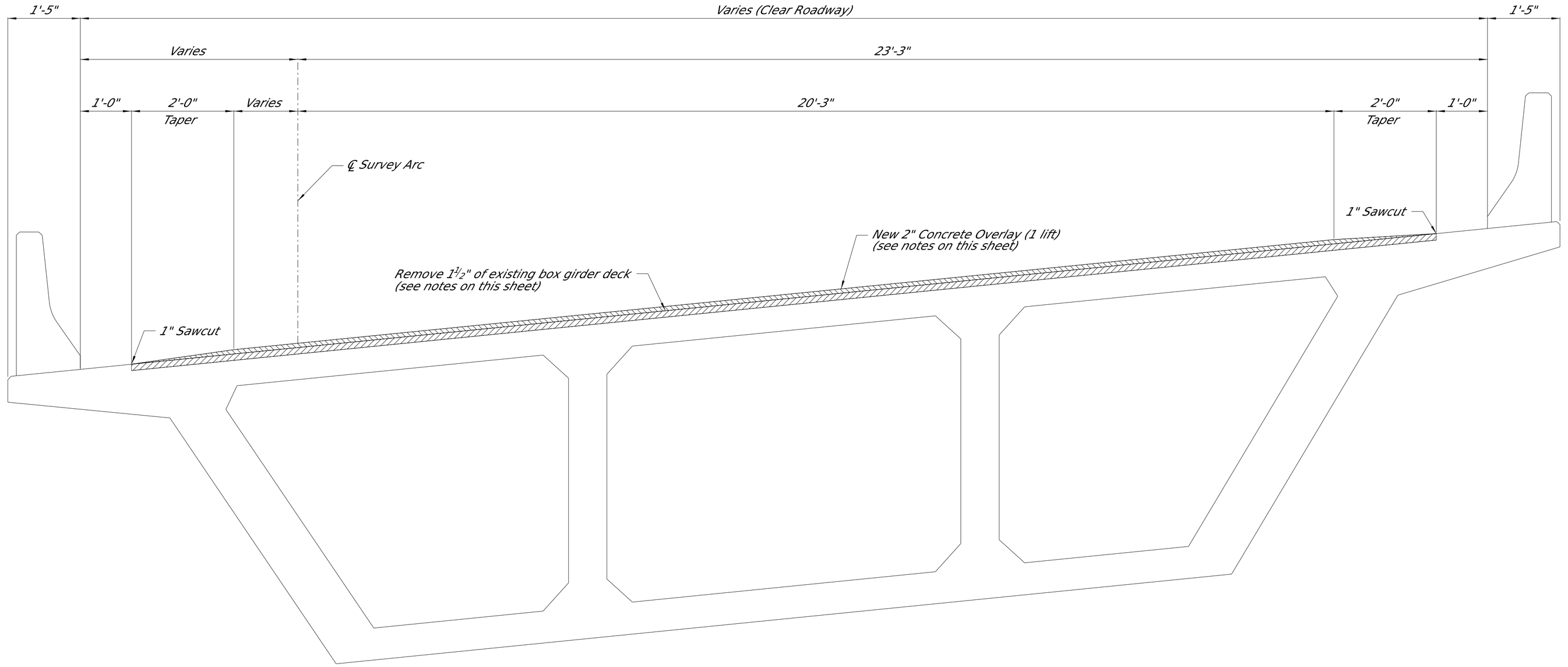


ELEVATION OF HYDRODEMOLITION CONSTRUCTION

1" SAWCUT & REINFORCEMENT NOTES:

1. All 1" sawcuts shall be considered an absorbed item of work. The Contractor shall verify depth of reinforcing steel before making any sawcuts. The depth of the sawcut shall be no more than the depth of the reinforcing steel.
2. All existing reinforcement shall remain in place. Any damage to reinforcing steel shall be repaired to the satisfaction of the Engineer at no cost to the State.

HYDRODEMOLITION AND CONCRETE OVERLAY NOTES:

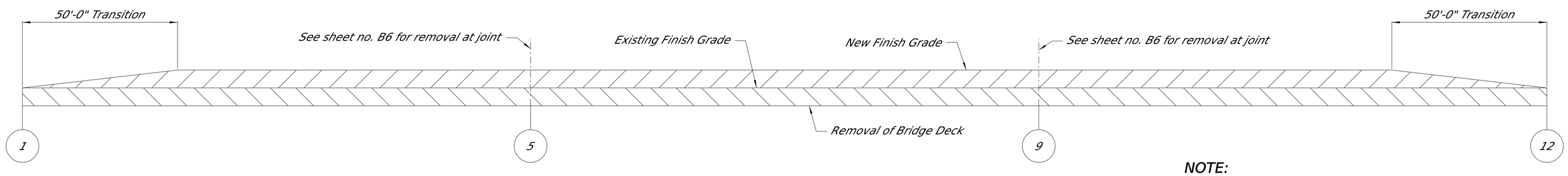
1. Remove a minimum of 1½" of existing bridge deck per Special Provision 907-202.
2. Areas of unsound concrete shall be removed.
3. Bridge concrete for hydrodemolition repair and bridge deck repair shall be bridge deck overlay concrete meeting the requirements of Special Provision 907-804. The mix design shall be furnished by The Contractor for approval by Materials Division.
4. All existing concrete surfaces that will be in contact with the new concrete shall be painted with a cement slurry.
5. The new concrete overlay shall be placed in one (1) lift.
6. The new concrete overlay shall have a minimum thickness of 2"
7. The new concrete overlay shall be tine finished.

NOTE:

High Friction Surface Treatment shall be added to bridge deck after the application and curing of the new bridge deck overlay concrete. It is not shown in this view for clarity. For more information, see sheet no. B1.

TEMPORARY SHORING NOTES:

1. The Contractor shall assume all responsibility for determining the amount of shoring required. The plans and design calculations shall be sealed by a Professional Engineer that is registered in the State of Mississippi.
2. Prior to beginning construction, the Contractor shall submit plans of the proposed temporary shoring and a set of design calculations to the Director of Structures, State Bridge Engineer for review and comments.
3. The Contractor's Engineer shall determine the shoring required to support the span's dead load, traffic loading, and any deflection that occurs in the box girder for the duration of the repairs. Any damage caused by this item of work shall be repaired by the Contractor at no cost to the State.
4. Any cost of removal and replacement of slope paving, fill material, etc. associated with installing the temporary shoring system shall be absorbed items of work not paid for directly and included in other items bid.



LONGITUDINAL SECTION OF BRIDGE DECK OVERLAY

(Not to scale)

NOTE:

New concrete overlay, full depth deck repair, and/or partial depth deck repair shall be placed in 1 lift.

ADDENDUM

DESIGNED BY: JACOB FRIESS
DETAILED BY: JACOB FRIESS
CHECKED BY: ALEX HAWKINS
DATE: 2024-10-23 13:05:53

FMS CON: 109678/301000
PROJECT NO.: NHPP-0055-02(283)
COUNTY: MADISON

BRIDGE PRESERVATION
HYDRODEMOLITION DETAILS (1)

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

WK. NO.
2 OF 7

SHEET NO.
8003

PLAN SHEET

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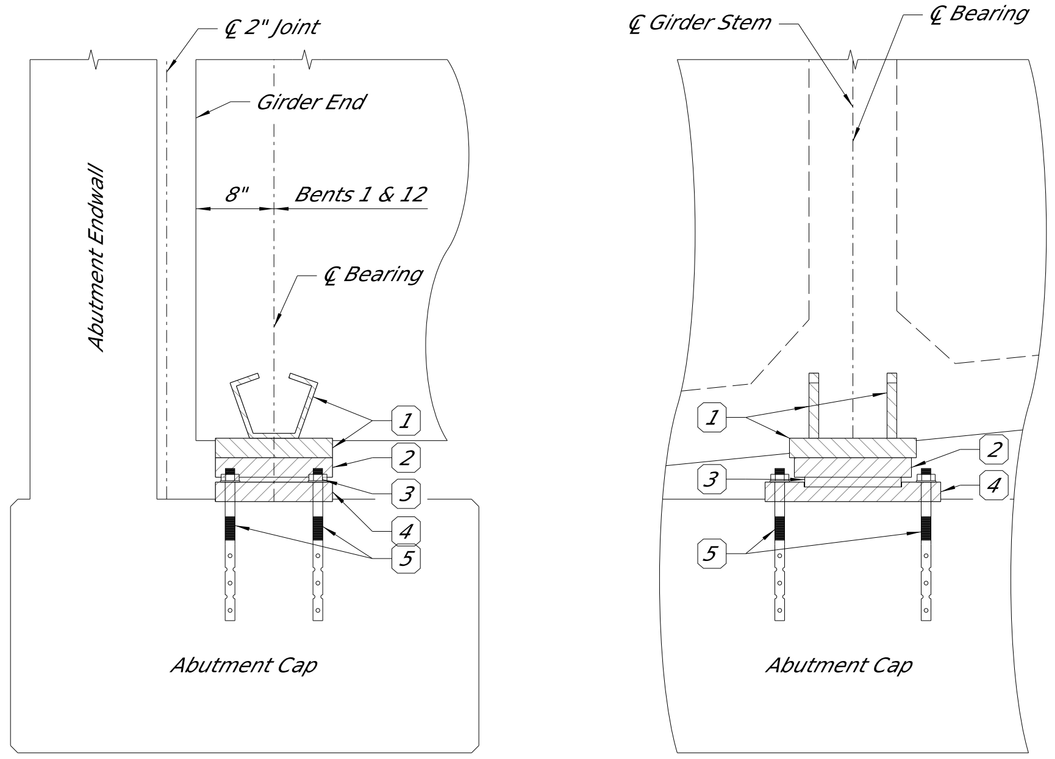
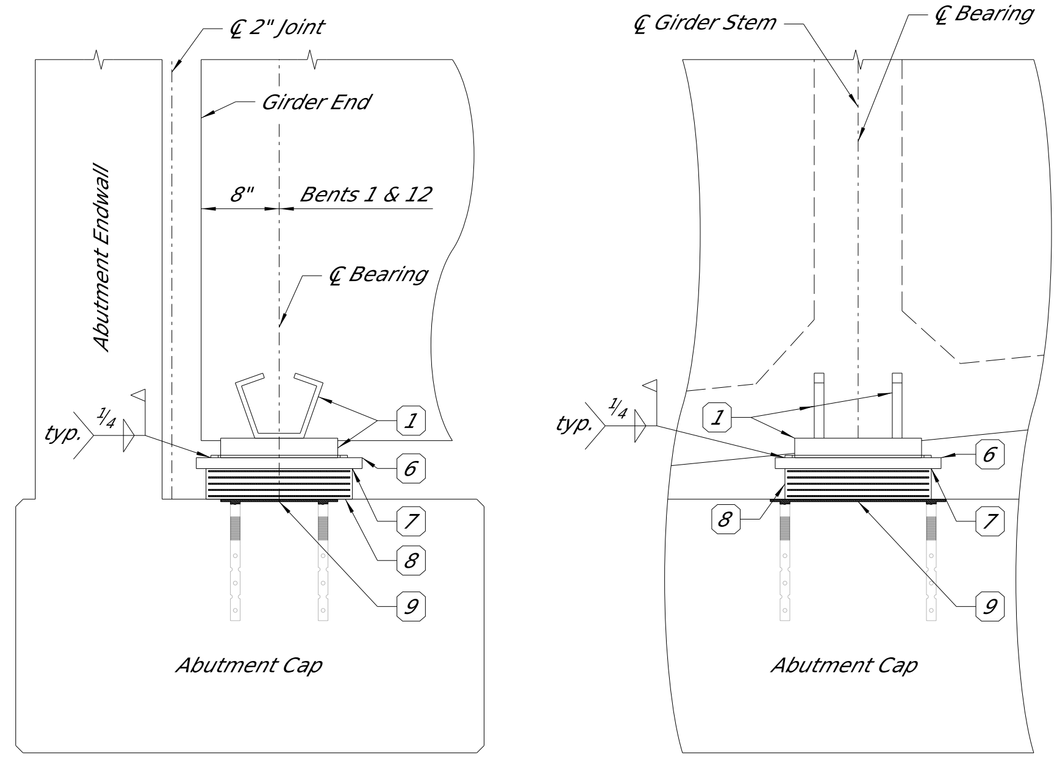
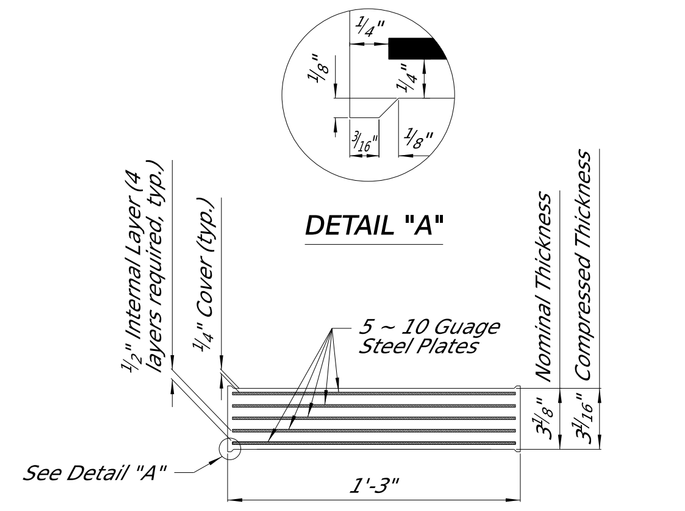


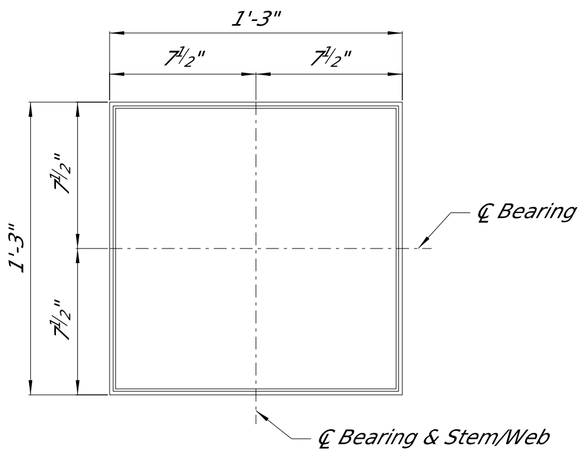
EXISTING BEARING ASSEMBLY ~ BENTS NO. 1 & 12



REPLACEMENT BEARING ASSEMBLY ~ BENTS NO. 1 & 12

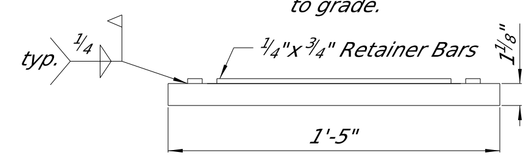


TYPICAL SECTION LAMINATED PAD (LP1)

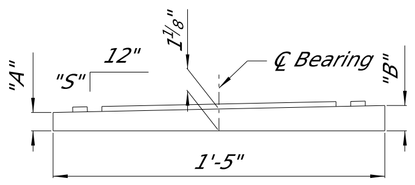


PLAN OF LAMINATED PAD (LP1)

Testing acceptance procedure shall be in accordance with Section 714.10.6 of the Specifications. Elastomer shall have a hardness of 60 durometer with a minimum shear modulus at 73°F of 0.130 ksi and a maximum shear modulus at 73°F of 0.175 ksi. Bearing area on top of cap shall be smooth and true to grade.



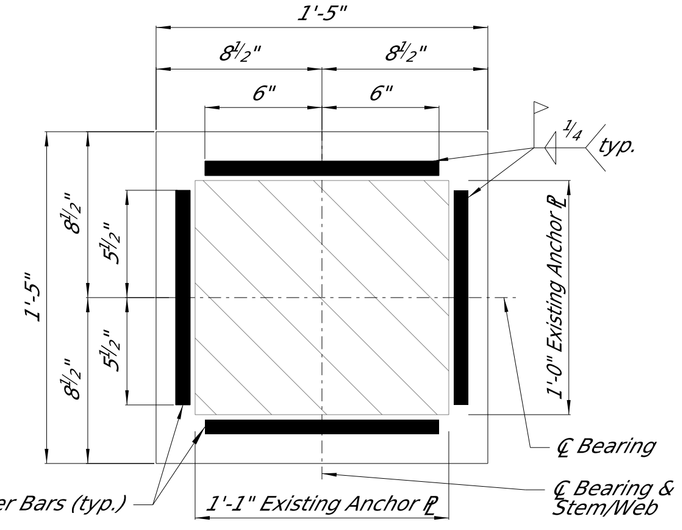
TYPICAL SECTION BEARING PLATE (BPn)



Increased Stationing (Bents 1 & 5)

Increased Stationing (Bents 9 & 12)

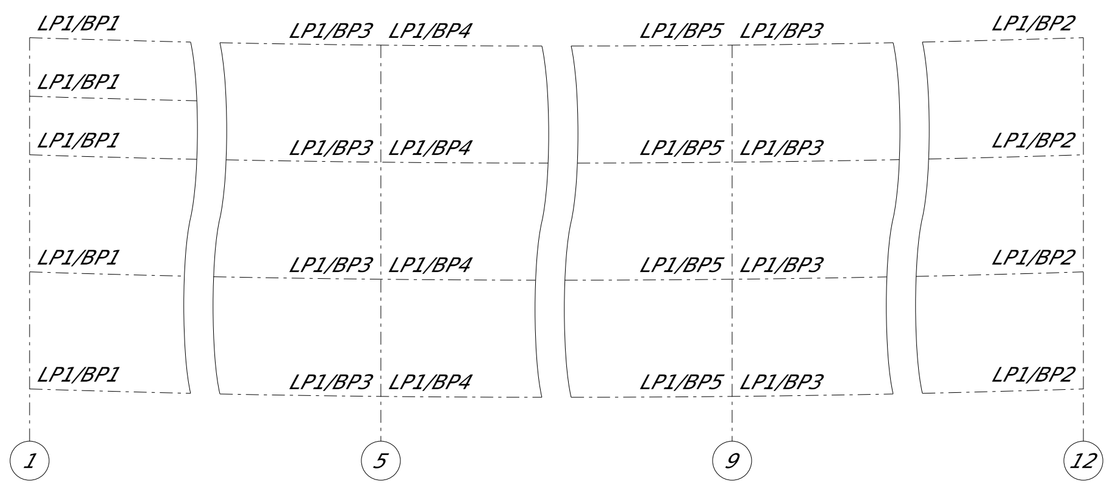
SIDE ELEVATION BEARING PLATE (BPn)



PLAN OF BEARING PLATE (BPn)

EXISTING BEARING ASSEMBLY ~ BENTS NO. 5 & 9

REPLACEMENT BEARING ASSEMBLY ~ BENTS NO. 5 & 9



PLAN OF BEARING REPLACEMENT LOCATIONS

1 BEARING REPLACEMENT NOTES:

Bearings shall be replaced in accordance with Special Provision Subsection 907-824.03.4. Payment for this work shall be made under Pay Item No. 907-824-D003: Bearing Replacements, Concrete Box Girder & Pay Item No. 907-824-D003: Bearing Replacements, Concrete Box Girder, Dapped Ends.

BEARING REPLACEMENT CALLOUT NOTES:

1. Existing Anchor Bars & ℄ to Remain-in-Place
2. Existing Bearing ℄ to be Removed
3. Existing Bronze ℄ to be Removed
4. Existing Masonry ℄ to be Removed
5. Grind down anchor bolts 1/4" below the top of cap and fill in with epoxy mortar.
6. New 1'-5"x1'-5"x 13/16" Bearing Plate
7. Vulcanize Laminated Pad to Bearing ℄
8. New 1'-3"x1'-3"x3 1/8" Laminated Pad
9. Fill in 1/4" Depression with Epoxy mortar.

Denotes Existing Bearing Assembly to be Removed

Denotes Existing Bearing Assembly Remain in Place

BEARING PLATE DETAILS			
MARK	"S"	"A"	"B"
BP1	7/16"	0.8151"	1.4349"
BP2	5/16"	0.9036"	1.3464"
BP3	3/16"	0.9922"	1.2578"
BP4	1/8"	1.0365"	1.1235"
BP5	0"	1.1250"	1.1250"

DEPARTMENT OF TRANSPORTATION MISSISSIPPI

ADDENDUM

DESIGNED BY: JACOB FRIESS
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DATE: 2024-10-23 13:05:53

FMS CON: 109678/301000
PROJECT NO.: NHPP-0055-02(283)
COUNTY: MADISON

BRIDGE PRESERVATION
BEARING REPLACEMENT DETAILS

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

WK. NO.
4 OF 7

SHEET NO.
8005

PLAN SHEET

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