

**CENTERHILL-MARTIN ROAD BRIDGE REPAIR
LAUDERDALE CO. BID NO. 4039
LAUDERDALE COUNTY, MISSISSIPPI**

**LAUDERDALE COUNTY BOARD OF SUPERVISORS
MERIDIAN, MISSISSIPPI**

ADDENDUM NO. 1

TO: **ALL BIDDERS ON THE ABOVE REFERENCED PROJECT**

FROM: Richmond L. Alexander, P.E.

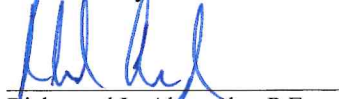
DATE: September 15, 2026

SUBJECT: **ADDENDUM NO. 1**

Revisions to Proposal and Contract Documents and Plans for the referenced project are as follows:

1. **REPLACE** The Proposal Form in the Contract Documents with the attached Proposal Form labeled ADDENDUM NO. 1 and dated 9-15-26.
2. **ADD** the attached Section 907-824 – Routine Bridge Repair to the Technical Specifications Provision

Submitted By:



Richmond L. Alexander, P.E.

Project Engineer

Date: September 15, 2026

Acknowledged by:

Contractor's signature

Date

THIS ADDENDUM SHALL BE SIGNED, DATED AND SUBMITTED WITH BID DOCUMENTS. FAILURE TO PROPERLY ACKNOWLEDGE RECEIPT OF THIS ADDENDUM AND ATTACH IT TO BID DOCUMENTS SHALL BE GROUNDS FOR REJECTING PROPOSAL.

PROPOSAL FOR
CENTER HILL-MARTIN ROAD BRIDGE REPAIR
Lauderdale County Bid No. 4039
LAUDERDALE COUNTY BOARD OF SUPERVISORS
BID DATE: Monday, September 21, 2026, 9:00 am

PAY ITEM NO.	BID		ESTIMATED QUANTITY	UNIT	UNIT COST	TOTAL
	PAY ITEM					
	BASE BID					
S-200-A	Mobilization	1	LS	\$	\$	
S-618-A	Maintenance of Traffic	1	LS	\$	\$	
S-815-A	Loose Riprap (200 lb)	240	TON	\$	\$	
S-815-E	Geotextile under Riprap, (Type V)(AOS<0.43)(Non-Woven)	240	SY	\$	\$	
S-601-B	Class "B" Structural Concrete, Minor Structures	75.2	CY	\$	\$	
907-620-B	Requisite Work, Pumping and Site Restoration	5.0	DAYS	\$	\$	
901-S-803-H	Steel Pile, (Splice Plates)	768	LF	\$	\$	
907-802-C001	20 Ft. Tall Cofferdam	300	LF	\$	\$	
907-802-C001	16 Ft. Tall Cofferdam	389	LF	\$	\$	
907-802-C001	14 Ft. Tall Cofferdam	373	LF	\$	\$	
907-802-C001	12 Ft. Tall Cofferdam	240	LF	\$	\$	
907-824-A003	General Epoxy Repair	76.6	SF	\$	\$	
907-824-B002	FRP Strip	893	SF	\$	\$	
907-824-B004	FRP Wrap, Uni-Directional	1,232	SF	\$	\$	
907-824-C001	Cap Cleaning	20	EA	\$	\$	
907-824-E001	Epoxy Injection	50	LF	\$	\$	
907-824-F001	Encapsulating Field Painting	2,700	SF	\$	\$	
BID TOTAL: \$						
ADDITIVE ALTERNATE NO. 1						
907-620-B	Requisite Work, Pumping and Site Restoration	5.0	DAYS	\$	\$	
S-802-C	Temporary Steel Sheet Piling	19,000	SF	\$	\$	
ADD ALT. NO. 1 TOTAL \$						

1) The project pay items are provided to be inclusive of all work to be performed as shown in the drawings. All incidental work required to complete the project is to be included in the costs of performing these items.

2) Contract time shall be 45 working days for the project; The contract time will begin in 10 days from the Notice to Proceed or the first day the contractor mobilizes to the site, whichever comes first.

SPECIAL PROVISION NO. 907-824-1

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 Project 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, the Project Engineer 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.

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

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 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 of the shear reinforcement (vertical for bent caps).

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. 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.

907-824.03.4--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. During the epoxy injection, traffic shall be removed from travel lane above the beam.

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.

907-824.03.5--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 remove the existing paint and rust from 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 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.

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 square foot.

Cap Cleaning, 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 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.

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 square foot
907-824-C: Cap Cleaning	- per each
907-824-E: Epoxy Injection	- per linear foot
907-824-F: Encapsulating Field Painting	- per square foot