

SECTION 905 -- PROPOSAL (CONTINUED)

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

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

ADDENDUM NO.	<u>1</u>	DATED	<u>7/23/2026</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number

Description

- 1 Revised Table of Contents; Deleted NTB No. 8075; Added NTB Nos. 8238 & 8240; Added SP 907-803-9; Amendment EBSx Download Required.

TOTAL ADDENDA: 1

(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____

Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

President

Address

Secretary

Address

Treasurer

Address

The following is my (our) itemized proposal.

STBG-0013-02(034)/ 100881301000 & BR-0013-02(029)/ 106971301000

Simpson County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: STBG-0013-02(034)/100881301 - Simpson
BR-0013-02(029)/106971301 - Simpson

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PROJECT: STBG-0013-02(034)/100881301 - Simpson
BR-0013-02(029)/106971301 - Simpson

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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
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07/23/2026 01:46 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 8238

CODE: (SP)

DATE: 07/23/2026

SUBJECT: Demolition and Erection Plan

**PROJECT: STBG-0013-02(034) / 100881301 & BR-0013-02(029) / 106971301
Simpson County**

Bidders are hereby advised that the Contractor shall hire a Mississippi Licensed Professional Engineer to develop demolition and erection plans. The Contractor's Licensed Professional Engineer will develop an engineered bridge demolition plan that shall include, but not be limited to, all means and methods of deconstructing the bridge. The Contractor's Licensed Professional Engineer that develops the bridge demolition plans shall be present during demolition activities or may designate another Licensed Professional Engineer from the same engineering firm to be his or her field representative provided that that this representative has been involved with the development of the demolition plan. This substitution should be noted in the Contractor's demolition plan submittal.

The Contractor's Mississippi Licensed Professional Engineer shall also develop an engineered bridge erection plan. The Contractor's Licensed Professional Engineer shall inspect and certify any and all erection falsework used in the construction of the new bridge has been installed as per the erection plans prior to any girder installation.

Bidders are further advised of the following when preparing their Demolition and Erection Plans:

- Removal of the existing truss span over the Strong River will require special considerations in order to maintain stability and safety during demolition of the structure.
- See plan sheets 8055 & 8056 for additional information regarding temporary falsework and strongbacks required for erection of the post-tensioned concrete spans for new Bridge B across the Strong River.
- Both the demolition and erection plans shall be in conformance with Notice to Bidders No. 8074.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 8240

CODE: (SP)

DATE: 07/23/2026

SUBJECT: Detour Bridge Correction

PROJECT: STBG-0013-02(034) / 100881301 & BR-0013-02(029) / 106971301
Simpson County

Bidders are advised that the Contract Plans for Project No. BR-0013-02(029) / 106971301 (Bridge No. 77.6) references the minimum detour bridge width as being 18'-0" gutter to gutter. This is in error. **The correct minimum detour bridge with is 24'-0"**. Any references to this detour bridge having a minimum width of 18'-0" gutter to gutter shall be understood to mean 24'-0" gutter to gutter.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-803-9

CODE: (SP)

DATE: 07/23/2026

SUBJECT: Non-Destructive Testing of Drilled Shafts

PROJECT: STBG-0013-02(034) / 100881301 – Simpson County

Section 803, Deep Foundations, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-803.03.2--Drilled Shafts.

907-803.03.2.8--Drilled Shaft Load Tests.

907-803.03.2.8.2--Load Testing of Drilled Shafts with Special Instrumentation. After Subsection 803.03.2.8.2.4 on page 930, add the following.

907-803.03.2.8.2.5--Non-Destructive Testing of Drilled Shafts.

907-803.03.2.8.2.5.1--General. This work shall consist of the Nondestructive Testing (NDT) of drilled shaft foundations, as described herein. All work shall be in accordance with this Special Provision, Standard Specifications, and as directed by the Department.

907-803.03.2.8.2.5.2--Thermal Integrity Profile (TIP) Testing. The NDT method known as Thermal Integrity Profiling (TIP) shall be used on the trial shaft, test shaft, and each production drilled shaft. The Contractor shall employ one experienced independent testing organization approved by the Department to perform all NDT testing. Information shall be submitted to the Department showing the independent testing organization has the experience in the kind of work described in this Special Provision and also showing they have the equipment capable of performing the work. The Department shall review this submittal prior to construction.

TIP Testing. Testing shall be in accordance with ASTM D7949 (Method B) and this Special Provision. Testing shall begin between 2 and 6 hours (or at the direction of the TIP Testing Engineer) after placement of concrete is concluded in the shaft. During the TIP testing, data shall be collected at intervals of 15 minutes for a duration of 96 hours (or at the direction of the TIP Testing Engineer). Every drilled shaft shall be equipped with thermal wire cables and shall be tested by TIP.

Preparation for Testing. To accommodate the TIP test requirements, the Contractor shall install thermal wire cables in each drilled shaft. The number of cables installed will depend on the diameter of the shaft as specified below:

Shaft Diameter (inches)	Number of Cables	Cable Spacing (degrees)
36" - 54"	4	90
60" - 78"	6	60
84" - 102"	8	45
108" - 126"	10	36
132" - 144"	12	30

Thermal wire cables shall be aligned with the longitudinal reinforcement of the shaft, and stretched to minimize the wire slack. Tie the thermal wire cables to the reinforcement at a maximum of 3-foot intervals, at locations on the reinforcement that are 90 degrees to the line connecting the reinforcement to the center of the shaft.

TIP Test Equipment. The TIP testing equipment shall consist of all necessary supplies, support equipment, and power to perform the testing and to record, analyze, and report the results in accordance with this Special Provision. The TIP equipment shall have the following minimum requirements:

- a. A Thermal Integrity Profiler.
- b. A computer based TIP data acquisition system to monitor and download temperature versus time after casting.
- c. Ability to automatically collect data at user defined time intervals (typically 15 minutes).

Qualifications of TIP Consultant. The TIP Consultant shall have a professional Engineer supervising the testing and interpretation of results. The TIP Consultant shall be an independent testing agency with documented and approved experience in TIP testing.

Assistance by the Shaft Contractor to the TIP Testing Consultant. The Contractor shall provide cooperative assistance, suitable access to the site and shafts to be tested, and labor as required to assist the TIP Consultant in performing the required tests. The Contractor shall coordinate with TIP Consultant and install the necessary TIP instrumentation prior to concreting the shaft. Thermal Wire Cable installation requirements are detailed elsewhere in this specification. Prior to TIP testing, the Contractor shall provide the shaft lengths, wire positions, the shaft construction date, shaft construction inspection record, and concrete placement details to the TIP Consultant.

Thermal Wire Cable Installation Contractor Requirements. The Contractor responsible for installing the Thermal Wire Cable assemblies shall be required to obtain training from the Manufacturer on proper installation practices prior to actual installation

TIP Testing Procedures. Testing procedures and equipment shall conform to ASTM D7949 (Method B).

Thermal wire cables shall be connected to a Thermal Access Port (TAP) prior to concrete placement. Care shall be taken to record the position of each thermal wire cable in the cage by serial number.

During TIP testing, data shall be collected by the TAP at intervals of 15 minutes for a duration of 96 hours, or as recommended by the TIP Consultant and approved by the Department. The timing interval and duration may be revised by the Department as the project conditions require. In the event peak temperature is not reached within the specified time period, the TAP units shall remain connected to the thermal wire cables for a longer duration as directed by the TIP Consultant. After completion of the data collection period, the TAP shall be connected to the main TIP data acquisition unit and the data files shall be downloaded for inspection of temperatures versus depth.

Potential local anomalies indicated by locally low temperatures relative to the average temperature at that depth, or average temperatures significantly lower than the average temperatures at other depths, shall be immediately reported to the Department.

TIP Testing Results. Results of the TIP tests shall be presented in a written report within 5 working days of completion of testing for each drilled shaft tested. The report shall present results of TIP tests by including: (a) The final analysis must include top of shaft and bottom of shaft adjustments per the manufacturer's recommendations, so that the temperature plots are adjusted for end effects. (b) Graphical displays of all temperature measurements versus depth. (c) Indication of unusual temperatures, particularly significantly cooler local deviations of the average at any depth from the overall average over the entire length. (d) The overall average temperature. This temperature is proportional to the average radius computed from the actual total concrete volume installed (assuming a consistent concrete mix throughout). Radius at any point can then be determined from the temperature at that point compared to the overall average temperature. (e) Variations in temperature between thermal wire cables (at each depth), which in turn correspond to variations in cage alignment. Where concrete volume is known, the cage alignment or offset from center should be noted. (f) Shaft-specific construction information (e.g. elevations of the top of shaft, bottom of casing, bottom of shaft, etc.), shall be noted on all pertinent graphical displays. (g) Indicate all possible anomalies in graphical displays and include a summary of all possible anomalies. For each possible anomaly, the summary shall include:

- A. The shaft identification.
- B. Test date.
- C. Time between concrete placement and TIP test.
- D. Thermal wire cable designations that were tested.
- E. Depth below the top of shaft.
- F. A characterization and evaluation of the anomaly.

Where concrete volume is known the cage alignment, or offset from center, should be noted.

Missing data from one or more thermal wire cables will be grounds for additional integrity investigation at the Contractor's expense.

Evaluation of NDT Test Results. The TIP test results shall be compiled into an overall integrity testing report for each shaft and approved/sealed by a Mississippi Licensed Professional Engineer. The approved testing organization shall supply one digital copy, in an approved format, of the NDT test report to the Engineer and a copy of each report shall be provided to the Contractor.

The integrity reports of the subsequent shafts shall be provided to the Department within 5 working days of completion of all NDT testing on each shaft. The Department will evaluate the NDT test results and will determine whether or not the drilled shaft construction is acceptable. The Contractor will not be allowed to make additional permanent construction on each shaft until the Department has approved that shaft. If the Department approves the drilled shaft based upon the results of the NDT tests, then the shaft will be turned back to the Contractor and further construction may proceed.

Provided the reports received meet the requirements of this Specification, the Department will provide a response within 72 hours of each report received. Incomplete submission of required data necessary for review, including detailed drilled shaft logs, will delay this review and no contract time extensions will be allowed due to delays caused by incomplete submittals.

The acceptance of each drilled shaft shall be the decision of the Department, based on the results of the shaft integrity testing reports and other information of the shaft placement. If it is determined by the Department that any confirmed defect indicated by a NDT test may affect the structural integrity of the shaft, the Department may require the Contractor to verify shaft conditions by core drilling in accordance with Subparagraph (a), "Evaluation by Core Drilling."

(a) Evaluation by Core Drilling. A drilled shaft that is found to be unacceptable by the NDT tests may be cored by the Contractor using double tube core barrels. Core samples shall be obtained, handled, and tested in accordance with AASHTO T 24-15. At the Contractor's option a PQ size core barrel may be used. Core samples will be delivered to the Department where they will be visually inspected and selected samples will be evaluated for compressive strength. Selected samples with compressive strengths less than 0.85 f'c will be considered unacceptable. A core sample shall be taken from each defect location, at a length specified by the Department. The methods and equipment used to core the drilled shaft and grout the cored hole shall be approved by the Department prior to commencing coring operations. An accurate log of the core shall be kept and the core shall be crated/boxed and properly marked showing the shaft depth at each interval of core recovery. The crates/boxes which store the cores shall be properly labeled with the job number, bridge number, bent number, and the shaft number. The core, along with two copies of the coring log, shall be provided to the Department.

If the quality of the shaft, as represented by the core samples, is determined to be acceptable by the Department, then the shaft and the shaft site will be turned back to the Contractor and further construction may proceed. If the quality of the shaft is determined to be unacceptable by the Department, then the Contractor shall proceed in accordance with Subparagraph (b), "Defective Shaft," below. Upon acceptance of the shaft, core holes shall be cleaned and filled with a QPL approved grout such that no impurities or air pockets remain.

(b) Defective Shaft. If the Department determines that a shaft is unacceptable, the Contractor shall submit a plan for remedial action to the Department for approval. Any modifications to the foundation shaft and load transfer mechanisms caused by the remedial action will require calculations and working drawings stamped and signed by a Mississippi Licensed Professional Engineer for all affected foundation elements. This data shall be submitted to the Department for information and record keeping purposes. All labor and materials required to perform remedial shaft action shall be provided at no cost to the Department and with no extension of the contract time.

907-803.04--Method of Measurement. After Subsection 803.04.18 on page 933, add the following.

907-803.04.19--Non-Destructive Testing of Drilled Shafts. Acceptable TIP tests shall be completed for each production shafts, each trial shaft and each test shaft. All work, equipment and labor required for this work shall be included in the cost of the drilled shafts. No separate pay item will be included for this work.

907-803.05--Basis of Payment. After Subsection 803.05.18 on page 935, add the following.

907-803.05.19--Non-Destructive Testing of Drilled Shafts. All work, equipment and labor required for TIP tests of drilled shaft shall be included in the cost of the drilled shafts. No separate pay item will be included for this work.