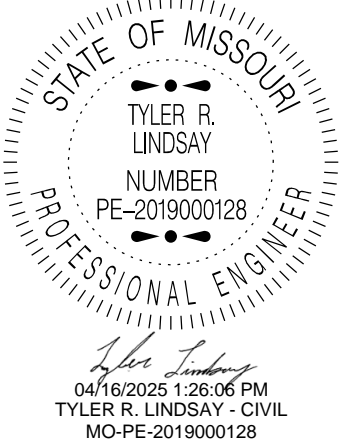


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	<p><b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 W. CAPITOL AVE. JEFFERSON CITY, MO 65101 Phone (888) 275-6636</p>
	<p>If a seal is present on this sheet, JSP's has been electronically sealed and dated.</p>
	<p>JOB NO. JNE0120 Macon County, MO Date Prepared: 4/15/2025</p>
<p>Only the following items of the Job Special Provisions (Bridge) are authenticated by this seal: All</p>	

A. CONSTRUCTION REQUIREMENTS

**1.0 Description.** This provision contains general construction requirements for this project.

**2.0 Construction Requirements.** The plans and the asbestos and lead inspection report(s) for the existing structure(s) are included in the contract in the bridge electronic deliverables zip file for informational purposes only.

**2.1** In order to assure the least traffic interference, the work shall be scheduled so that a lane closure is for the absolute minimum amount of time required to complete the work. A lane shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

**2.2** Bridge work by contractor forces, including erection, rehabilitation or demolition, shall not be allowed over traffic unless a bridge platform protection system is installed below the work area except for work performed above a deck that is intact. The protection system shall be capable of catching all falling objects such as tools, overhang brackets or materials. Lifting of objects that are heavier than the capacity of the bridge protection system shall not be permitted.

**2.3** Qualified special mortar shall be a qualified rapid set concrete patching material in accordance with [Sec 704](#). A qualified rapid set concrete patching material will not be permitted for half-sole repair, deck repair with void tube replacement, full depth repair, modified deck repair and substructure repair (formed) unless a note on the bridge plans specifies that a qualified special mortar may be used.

**2.4** Provisions shall be made to prevent any debris and material from falling onto the roadway. If determined necessary by the engineer, any debris and material that falls below the bridge outside the previously specified limits shall be removed as approved by the engineer at the contractor's expense. Traffic under the bridge shall be maintained in accordance with the contract documents.

**2.5** Any damage sustained to the remaining structure as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.

**2.6** Provisions shall be made to prevent damage to any existing utilities. Any damage sustained to the utilities as a result of the contractor's operations shall be the responsibility of the contractor. All costs of repair and disruption of service shall be as determined by the utility owners and as approved by the engineer.

**3.0 Coating Information.**

**4.0 Method of Measurement.** No measurement will be made.

**5.0 Basis of Payment.** Payment for the above described work will be considered completely covered by the contract unit price for other items included in the contract.

JOB SPECIAL PROVISIONS (BRIDGE)

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B. CURING CONCRETE USED IN HALF-SOLE DECK & APPROACH SLAB REPAIRS

**1.0 Description.** This special provision covers construction requirements for curing concrete use in half-sole deck repairs.

**2.0 Construction Requirements.**

**2.1** Type III cement may be used to accelerate the set of the concrete. Accelerating additives containing chlorides will not be permitted.

**2.2** Following texturing, fresh concrete shall be sprayed immediately with a curing compound in accordance with [Sec 703](#).

**2.3** The concrete surface shall be covered with clean curing mats as soon as the curing compound has dried sufficiently to prevent adhesion and the concrete surface will support the curing mat without marring or distorting the finish, but not more than 90 minutes after the concrete is textured. The mats shall be sufficiently wet at the time of placement to prevent moisture absorption from the finished surface. The curing mats shall be kept continuously wet for minimum of 4 hours following the concrete placement. The contractor shall control the water runoff so as not to cause a traffic hazard.

**2.4** The continuous wet cure shall be maintained a minimum of 4 hours and until the concrete has attained a minimum compressive strength of 3,200 psi (22 MPa).

**3.0 Basis of Payment.** No direct payment will be made for curing the concrete as specified by this special provision.

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- D. Plug Weld Replacement With Bolt

 <i>Alex C. Benz</i> 05/23/2025 6:56:47 AM Alex Benz - Civil MO PE-2018003121	<b>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</b> 105 W. CAPITOL AVE. JEFFERSON CITY, MO 65101 Phone (888) 275-6636
	<b>EFK Moen</b> 13523 Barrett Parkway, Suite 250 St. Louis, MO 63031 Certificate of Authority # 001578 Consultant Phone # 314-394-3100
	If a seal is present on this sheet, JSP's has been electronically sealed and dated.
	JOB NO. JNE0137 Macon County, MO Date Prepared: 5/22/2025
Only the following items of the Job Special Provisions (Bridge) are authenticated by this seal: A-D	

A. CONSTRUCTION REQUIREMENTS

**1.0 Description.** This provision contains general construction requirements for this project.

**2.0 Construction Requirements.** The plans for the existing structure are included in the contract in the bridge electronic deliverables zip file for informational purposes only.

**2.1** In order to assure the least traffic interference, the work shall be scheduled so that a lane closure is for the absolute minimum amount of time required to complete the work. A lane shall not be closed until material is available for continuous construction and the contractor is prepared to diligently pursue the work until the closed lane is opened to traffic.

**2.2** Bridge work by contractor forces, including erection, rehabilitation or demolition, shall not be allowed over traffic unless a bridge platform protection system is installed below the work area except for work performed above a deck that is intact. The protection system shall be capable of catching all falling objects such as tools, overhang brackets or materials. Lifting of objects that are heavier than the capacity of the bridge protection system shall not be permitted.

**2.3** Provisions shall be made to prevent any debris and material from falling onto the roadway. If determined necessary by the engineer, any debris and material that falls below the bridge outside the previously specified limits shall be removed as approved by the engineer at the contractor's expense. Traffic under the bridge shall be maintained in accordance with the contract documents.

**2.4** Any damage sustained to the remaining structure as a result of the contractor's operations shall be repaired or the material replaced as approved by the engineer at the contractor's expense.

**2.5** Provisions shall be made to prevent damage to any existing utilities. Any damage sustained to the utilities as a result of the contractor's operations shall be the responsibility of the contractor. All costs of repair and disruption of service shall be as determined by the utility owners and as approved by the engineer.

**2.6** A washer shall be required under head and nut when any reaming is performed for bolt installation.

**3.0 Method of Measurement.** No measurement will be made.

**4.0 Basis of Payment.** Payment for the above described work will be considered completely covered by the contract unit price for other items included in the contract.

B. STRUCTURAL STEEL REQUIREMENTS

**1.0 Description.** This provision contains general structural steel requirements for this project.

**2.0 Material.** All material shall be in accordance with Division 1000, Material Details, and specifically as shown below. The gray epoxy-mastic primer (non-aluminum) shall be compatible with concrete and produce a dry film thickness of no less than 3 mils (75 µm).

Item	Section
Structural Steel Construction	<a href="#">712</a>
Gray Epoxy-Mastic Primer (non-aluminum)	<a href="#">1045</a>
Structural Steel Fabrication	<a href="#">1080</a>
Coating of Structural Steel	<a href="#">1081</a>

### 3.0 Construction Requirements.

**3.1** Before fabrication of new metalwork, the contractor shall make the necessary measurements in the field to verify dimensions of the existing structure where new members are affected. Any deviation of the dimensions shown on the plans shall be called to the engineer's attention. The contractor shall be responsible for developing all required dimensional adjustments and coordinating the implementation of the dimensional adjustments with all involved fabricators and subcontractors.

**3.2** Prior to erection of the new structural steel, the steel that is to remain shall be carefully inspected for irregularities. If such irregularities are found, the irregularities shall be brought to the attention of the engineer.

**3.3** Holes in the new diaphragm or cross frame connection plates and angles may be used as a template for drilling the holes in the existing material.

**3.4** A minimum edge distance shall be maintained for all field drilled holes. The minimum edge distance for bolts shall be as shown in table below measured from the centerline of holes.

Bolt Diameter	Minimum Edge Distance
inch (mm)	inch (mm)
3/4 (19.0)	1-1/4 (32)
7/8 (22.2)	1-1/2 (38)
1 (25.4)	1-3/4 (45)

**3.5** The surfaces of existing steel that will become faying surfaces for non-slip critical new connections, typically secondary members, shall be cleaned according to the manufacturer's recommendation and with a minimum of SSPC-SP-3 surface preparation and coated with one prime coat of Gray Epoxy-Mastic Primer (non-aluminum) in accordance with [Sec 1081](#). The surfaces of existing steel that will become faying surfaces for slip critical new connections, typically primary members, shall be in accordance with contact surfaces in [Sec 1081](#). Primary member connections include girder/beam splices, end diaphragms and intermediate diaphragms in curved structures.

**3.6** Exposed girder/beam areas that are not faying surfaces or not covered by concrete that are scratched, damaged by the contractor or by field welding operations shall be touched up with Gray Epoxy-Mastic Primer (non-aluminum) in accordance with [Sec 1081](#). The areas shall receive the coating system as shown on the plans.

**4.0 Method of Measurement.** No measurement will be made.

**5.0 Basis of Payment.** Payment for the above described work will be considered completely covered by the contract unit price for the structural steel items included in the contract. No payments or adjustments will be made where new members are affected due to any deviation of the dimensions shown on plans or shop drawings.

JOB SPECIAL PROVISIONS (BRIDGE)

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C. GIRDER CATCH SYSTEM

**1.0 Description.** This work shall consist of furnishing the necessary materials, labor, and equipment for installation of new girder catch system at the intermediate bents/piers. This work shall be in accordance with this job special provision and the bridge plans.

**2.0 Construction Requirements.**

**2.1** The contractor shall exercise caution during the entire operation to protect the bridge from damage. Any damage to the existing structure as a result of this work shall be repaired to the satisfaction of the engineer at the contractor's expense.

**2.2** The contractor shall visually inspect the area of the girder catch system for any damage or other irregularities. Any damage shall be repaired as directed by the engineer. If any irregularities are found, the irregularities shall be brought to the attention of the engineer.

**2.3** Structural steel construction shall be in accordance with [Sec 1080](#).

**3.0 Method of Measurement.** Measurement for the girder catch system and any necessary repair in the area will be made per each.

**4.0 Basis of Payment.** Payment for the above described work including all material, labor, tools, equipment and all incidentals necessary to complete this item of work will be considered completely covered by the contract unit price for "Girder Catch System".

D. PLUG WELD REPLACEMENT WITH BOLT

**1.0 Description.** This work shall consist of drilling out all plug welds in a manner that does not damage surrounding material and replacing with high strength bolts or as directed by the engineer.

**2.0 Material.** All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Disposal of Material	<a href="#">202</a>
Structural Steel Construction	<a href="#">712</a>
Structural Steel Fabrication	<a href="#">1080</a>

**3.0 Construction Requirements.**

**3.1** The contractor shall submit to the engineer for approval the proposed method for the plug weld replacement. Plug weld replacement will not be permitted until the proposed method has been approved by the engineer. In the event that the engineer determines that plug weld replacement work is resulting in damage to the existing steel, the contractor shall cease operations until a new proposed method has been demonstrated and approved by the engineer.

**3.2** High strength bolt installation shall be in accordance with [Sec 712](#). All high strength bolts shall have a washer under the head and nut. Plug welds shall be replaced one at a time.

JOB SPECIAL PROVISIONS (BRIDGE)

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**3.3** Any damage to the existing structure due to contractor's removal and replacement operations or field drilling operations shall be repaired or replaced at the contractor's expense and to the satisfaction of the engineer.

**4.0 Method of Measurement.** The extent of the plug weld replacement may vary from the estimated quantity, but the contract unit price shall prevail regardless of the variation. The plug weld replacement will be measured per each.

**5.0 Basis of Payment.** Accepted quantity of plug weld replacement will be paid for at the contract unit price. Payment for the above described work, including all material, equipment, labor and any other incidental work necessary to complete this item, will be considered completely covered by the contract unit price for "Plug Weld Replacement with Bolt".