

REV. NO.	DESCRIPTION	REVISIONS	DATE
1	Remove Quantity Box		6/30/16

UNION PACIFIC RAILROAD COMPANY NOTES

NOTIFICATION OF WORK:

The contractor is required to give the Union Pacific Railroad Company at least 10 working days advance notice in writing, before any work is started on the site. To avoid hazards, the Union Pacific Railroad Company may have a representative present, if deemed necessary, for the purpose of inspection and the issuance of any appropriate instructions for railroad operations during the bridge rehabilitation on US-169 in Tulsa, Tulsa County as it relates to the Union Pacific Railroad Company's property. (AARDOT No. 413 280W, Milepost 286.80, Tulsa Subdivision)

The contractor shall notify:

Mr. Ryan McDermott
 Manager of Track Maintenance
 Union Pacific Railroad Company
 2827 Ray Dr.
 Denison, TX 75020
 Office Phone: 903-415-2485
 Email: rlmcderm@up.com

Mr. Clay A. McManaman
 Manager Public Projects
 Union Pacific Railroad Company
 P.O. Box 1337
 El Reno, OK 73036
 Phone: 501-373-2927

FLAGGING AND INSURANCE:

Flagging and insurance shall be provided as specified in Section 107 of the Standard Specifications and in the Special Provisions for RAILROAD FLAGGING (See Proposal for Special Provisions) and what is stated in the Union Pacific Railroad Company's Right of Entry Agreement. Union Pacific Railroad Company, at their discretion, shall provide flagging for the railroad during construction operations.

The contractor is required to reimburse Union Pacific Railroad Company for flagging services provided.

The contractor shall also furnish satisfactory evidence to the State of Oklahoma that they have provided insurance of the kinds and amounts as specified in the Special Provisions for RAILROAD INSURANCE and in the Union Pacific Railroad Company's Right of Entry Agreement.

The contractor will be required to enter into a Right of Entry Agreement with the Union Pacific Railroad Company before they will be allowed on the railroad's right-of-way.

PRE-WORK MEETING:

Prior to working on the Union Pacific Railroad Company's right-of-way or in the vicinity of their tracks, you must contact the local Manager of Track Maintenance for the Union Pacific Railroad Company to coordinate your work. It is vital that you have contact with the Union Pacific Railroad Company Manager of Track Maintenance prior to getting on the railroad's property.

COORDINATION WITH RAILROAD:

The contractor shall conduct construction operations in a manner which will not delay or interfere with train operations. Construction activity within 25 (twenty-five) feet of active tracks will require a flagman to be provided by the Union Pacific Railroad Company at the contractor's expense.

The contractor shall give written notice to the Union Pacific Railroad Company Manager of Track Maintenance, a minimum of 30 (thirty) calendar days in advance of when flagging is required.

Special permission must be obtained from the Union Pacific Railroad Company before moving any equipment or other object which could make the track impassable if it fell within the area shown on the construction clearance diagram.

Railroad flaggers, protective services, and protective devices will be required, but not limited to, events when:

- The contractor work activities are within 25 (twenty-five) feet of the track, measured from the track centerline.
- Activities are over or under the track.
- Cranes or similar equipment will not be positioned where they could foul the track if they tipped over or experienced some other catastrophic event.
- In the opinion of the Union Pacific Railroad Company Representative:
 - It is necessary to safeguard the Union Pacific Railroad Company property, employees, trains, engines, and facilities.
 - When any excavation is performed below the bottom of the elevations and track or other Union Pacific Railroad Company facilities may be subject to movement or settlement.
 - When work in any way interferes with safe operation of trains and timetable speeds.
 - When any hazard is presented to railroad track, signals, communications, electrical, or other facilities either due to person, material, equipment, or blasting in the area.

PROTECTION OF RAILROAD UNDER BRIDGE

The contractor shall be responsible for protecting the railroad track bed during all construction operations. Prior to any work being started, a proposed method of preventing debris from falling on the railroad track bed shall be submitted to the railroad representative for his approval.

The contractor shall not be permitted to leave any worker scaffolding in place in working position. At the end of each workday, the scaffolding shall be removed and set a safe distance from any operating railroad line. Scaffolding shall at all times maintain the minimum clearance as shown on the "UPRR Falsework Clearance Diagram" on the plans (Sheet No. B001 and B003).

DEMOLITION OF STRUCTURES OVER RAILROAD:

All demolition plans for removal of structures over railroad lines shall be reviewed and approved by the Union Pacific Railroad Company before any removal may begin.

Demolition of structures will be performed in accordance with the Railroad's "Instructions for Preparation of Demolition Plans for Structures Over the Union Pacific Railroad."

UNION PACIFIC RAILROAD COMPANY STANDARD REQUIREMENTS:

- 1) The elevation of the existing top-of-rail shall not be verified before beginning construction. All discrepancies shall be brought to the attention of the Railroad prior to construction.
- 2) All shoring systems that impact the Railroad's operations and/or supports the Railroad's embankment shall be designed and constructed per current Railroad Guidelines for Temporary Shoring.
- 3) All demolitions within the Railroad's right-of-way and/or demolition that may impact the Railroad's tracks or operations shall be in compliance with the Railroad's Demolition Guidelines.
- 4) Erection over the Railroad's right-of-way shall be designed to cause no interruption to the Railroad's operation, enabling the track(s) to remain open to traffic per the Railroad's requirements.
- 5) Railroad requirements do not allow work within 50 feet of track centerline when a train passes the work site and all personnel must clear the area within 25 feet of the track centerline and secure all equipment.
- 6) All permanent clearances shall be verified before project closing.
- 7) Falsework clearances shall comply with minimum construction clearances.

EROSION CONTROL AND DRAINAGE

The contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad. The contractor will install, maintain, and remove all erosion control measures deemed necessary within the railroad right of way.

The proposed grade separation project shall not increase the quantity and/or characteristics of the flow in the Railroad's ditches and/or drainage structures. The contractor will maintain the railroad drainage at all times when working within the railroad right of way.

RAIL TRAFFIC:

The Union Pacific Railroad Company has 2 trains per day at 40 MPH on the Tulsa Subdivision. Rail traffic is for information purposes only. Actual rail traffic may vary.



BRIDGES "A" AND "B"		DIVISION 8		Design	N/A	N/A	
				Detail	RLA	6/16	
				Check	KMS	6/16	
				Squad:	MAYFIELD		
				Engr.:	ELYAZGI		
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION				SHEET NO. ARR 1	
		JOB PIECE NO. 31672(04)					