MINIMUM WARNING TIME

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Salvaged equipment: [ ] YES [ ] NO

Total estimated cubic yards of fill material:

☐ This project is actual cost for reimbursement of payment to the Railroad Company as agreed to by:
☐ This project is lump sum cost for reimbursement of payment to the Railroad Company as agreed to by:

TdOT: _______ Railroad Company: _______

☐ Existing cross bucks meet TMUTCD guidelines
☐ Existing cross bucks do not meet TMUTCD guidelines and need to be [ ] replaced [ ] repaired. If replacement or repair is needed the railroad company or its contractor will make necessary arrangements, within 30 days of diagnostic

Notify TRF/RR when discrepancies are correct

☐ RxR pavement markings are to be installed, per the guidelines in the TMUTCD
☐ No RxR pavement markings are to be installed because
☐ Stop bars are to be installed, per the guidelines in the TMUTCD
☐ No stop bars are to be installed because

☐ Side lights are to be installed at this location. (Crossing is 50 feet or less from the parallel roadway)
☐ No side lights will be installed at this location. (Crossing is greater than 50 feet from the parallel roadway)

☐ AC power service is available at this location
☐ AC power service is not available at this location

☐ A signalized intersection is located _____ ft from crossing. Distance measured from the warning device to the edge of road/shoulder.

Attach copy of the preemption form
☐ No signalized intersection at this location

☐ Letter to proceed with project development was given to the Railroad Company
☐ No letter to proceed with project development was given to the Railroad Company because

☐ No yield or stop signs are to be installed by the State because
☐ Yield signs were recommended by the diagnostic team on an interim basis, per the guidelines in the TMUTCD. The local road authority [ ] was notified at Diagnostic. [ ] will be notified in writing. Yield signs to be installed within 30 days of diagnostic.

Notify TRF/RR when signs are installed

☐ Stop signs were recommended by the diagnostic team on an interim basis, per the guidelines in the TMUTCD. The local road authority [ ] was notified at Diagnostic. [ ] will be notified in writing. Stop signs to be installed within 30 days of diagnostic.

Notify TRF/RR when signs are installed

☐ Memo to install signs given to the district

DIAGNOSTIC TEAM

PROJECT INFORMATION

COUNTY: _______
DOT No.: _______
CONTROL: _______
PROJECT: _______
LOCATION: _______

RAILROAD: _______
MILEPOST: _______

Date of Inspection: _______
Date Layout Due: _______
GENERAL NOTES

1. Signal circuits are designed to give 20 seconds Minimum Warning Time prior to the arrival of the fastest train at this crossing. Refer to signal circuit layout for total approach time.

2. ☑️ Constant warning ☐ Phase motion ☐ C Style /AC-DC circuits are to be used at this location. Upgrades required: __________________________ for circuit compatibility.

3. Conduit, fill dirt and crushed cover rock to be furnished in place by the Railroad Company or its Contractor at state’s expense.

4. The Railroad Company or its Contractor will remove the existing ☐ cross bucks ☐ mast flashers ☐ cantilevers and dispose of the foundations.

5. The State or its Contractor will furnish and install or replace the appropriate pavement markings as outlined on the attached layout and standard sheet and in accordance with the guidelines in the Texas Manual on Uniform Traffic Control Devices.

   Additional signs to be added: __________________________

7. The ☐ State ☐ County ☐ City agrees to maintain the pavement markings and advance warning signs placed along the roadways under their jurisdiction in accordance with the guidelines in the Texas Manual on Uniform Traffic Control Devices and as shown on the layout and standard sheets as acknowledged on the Title Sheet.

8. The Railroad Company or its Contractor shall furnish, install and maintain sign mounting brackets for the report sign (R15-4) at the States expense.

9. The Railroad Company or its Contractor shall stencil the DOT-AAR numbers on the signal masts facing the adjacent roadway in 2” black lettering.

10. The ☐ State ☐ County ☐ City agrees to trim and maintain trees and vegetation for adequate visibility of the crossing signals and advance warning signs as acknowledged on the Title Sheet.

11. The Railroad Company or its Contractor will provide traffic control in accordance with the guidelines in the Texas Manual on Uniform Traffic Control Devices.

12. The ☐ State ☐ Railroad Company or its Contractor will install metal beam guard fence as shown on the layout, at the ☐ State’s ☐ Railroads expense.

13. The ☐ State ☐ Railroad Company or its Contractor will install retaining wall as shown on the layout, at the ☐ State’s ☐ Railroads expense.

14. The Railroad or its Contractor will furnish and install a relay to provide ☐ simultaneous ☐ advance preemption to ☐ existing traffic signal ☐ proposed traffic signal ☐ advance flasher. Normally a closed circuit is required between the control relay of the grade crossing warning device and the traffic signal controller or flasher as stated in the Texas Manual on Uniform Traffic Control Devices.

ADDITIONAL NOTES

DESCRIPTION OF PROJECT

_____ Complete gate assemblies with _______ gate arm
_____ Complete cantilever assemblies with _______ foot arm
_____ Ea. R15-2, (_____ Tracks)

12” lamp housing shall be used and equipped with LED’s (light emitting diodes), operated at not less than 8.5 volts under normal operating conditions.

Source: Texas Department of Transportation.