STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT:

GUADALUPE COUNTY

IH 10 - WBFR FLYOVER BRIDGE
LIMITS: FROM HWY. 46 TO S.H. 123 (BUS. 1)
CSJ 0536-01-072

FOR THE CONSTRUCTION OF A NEW OVERPASS
SUMMARY OF WORK THE STATE: CONSTRUCTION OF OVERPASS
SUMMARY OF WORK THE RAILROAD: PROVIDE 30 DAYS OF FLAGGING AND INSPECTION

EXHIBIT "A"
RRMP: 175.63
DOT No.: 742659 R
TRAIN SPEED: 70 MPH
DAILY TRAINS: 26
IH-10 ADT: 34500 (2017)

GLIDDEN SUBDIVISION

LOCATION MAP

N.T.S.

EXCEPTIONS: NONE
EQUATIONS: NONE
RR K-ING: YES, AT "D" STA. 714+42.50

PAPE-DAWSON ENGINEERS

Texas Department of Transportation
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SECTION A-A
IH 10 WBFR FLYOVER BRIDGE
AT FM 78 & U.P.R.R.
STA. 110+81 TO STA. 114+74
N.T.S.
PART I - GENERAL
1.01 INSURANCE

This project includes construction work within the Right-of-Way and limits of use of the Railroad and all railroad property, railroad tracks, wire lines and other facilities. These sheets describe the type of railroad property, railroads and/or railroad companies involved in the construction work, and the location of the project. The project includes railroad projects and railroad properties, including existing railroad property and construction work on railroad property. The construction work includes installing, altering, or increasing railroad property, including railroad tracks, railroad structures, and related facilities. The project includes railroad projects and railroad properties, including existing railroad property and construction work on railroad property. The construction work includes installing, altering, or increasing railroad property, including railroad tracks, railroad structures, and related facilities.

2.02 RAILROAD OPERATIONS

A. Trains and/or equipment are expected on any track, at any time, in the vicinity of the project. Work should be scheduled to avoid interfering with railroad operations. Rail traffic schedules may be obtained from the Texas Department of Transportation (TxDOT) or the Railroad. The Railroad’s Right-of-Way (ROW) is 12 feet wide at all times, and all activities must be performed in accordance with the ROW Standards. Railroad Operations and other related activities must be performed in accordance with the ROW Standards.

B. All railroad trackage within and adjacent to the Contract Site are active, and railroad traffic over these facilities shall be maintained in accordance with the Rules and Regulations established by the Railroad and TxDOT. The Contractor must follow the rules and regulations established by the Railroad and TxDOT. The Contractor must follow the rules and regulations established by the Railroad and TxDOT. The Contractor must follow the rules and regulations established by the Railroad and TxDOT.

C. Coordinate work windows with TxDOT and the Railroad’s Designated Representative. Work windows and Absolute Work Windows are defined in Section 3.03. Work windows are periods of time that railroad operations have priority over construction activities. When construction activities are performed during a work window, the Contractor must provide the Contractor with a work window. The Contractor must provide the Contractor with a work window. The Contractor must provide the Contractor with a work window. The Contractor must provide the Contractor with a work window.

D. Contact the Railroad’s Designated Representative to schedule work windows.

2.03 RAILROAD SAFETY

A. The Contractor must coordinate with the Railroad’s Designated Representative to schedule work windows. The Contractor must coordinate with the Railroad’s Designated Representative to schedule work windows. The Contractor must coordinate with the Railroad’s Designated Representative to schedule work windows. The Contractor must coordinate with the Railroad’s Designated Representative to schedule work windows. The Contractor must coordinate with the Railroad’s Designated Representative to schedule work windows.

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### TABLE 1 - RAILROAD SUBMITTAL REQUIREMENTS FOR OVERPASS & UNDERPASS PROJECTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>SETS</th>
<th>REVIEW TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Shoring design and details</td>
<td>6</td>
<td>6 weeks</td>
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<tr>
<td>2</td>
<td>Falsework design and details</td>
<td>6</td>
<td>6 weeks</td>
</tr>
<tr>
<td>3</td>
<td>Drainage design provisions</td>
<td>6</td>
<td>6 weeks</td>
</tr>
<tr>
<td>4</td>
<td>Erection diagrams and sequence</td>
<td>6</td>
<td>6 weeks</td>
</tr>
<tr>
<td>5</td>
<td>Demolition diagram and sequence</td>
<td>6</td>
<td>6 weeks</td>
</tr>
</tbody>
</table>

### TABLE 2 - RAILROAD SUBMITTAL REQUIREMENTS FOR UNDERPASS PROJECTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>SETS</th>
<th>REVIEW TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Road design</td>
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<td>6 weeks</td>
</tr>
<tr>
<td>2</td>
<td>Drainage design</td>
<td>6</td>
<td>6 weeks</td>
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<tr>
<td>3</td>
<td>Concrete mix designs</td>
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<td>True work certifications</td>
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<tr>
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<td>28 day concrete certifications</td>
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<td>6</td>
<td>Rebar material specifications</td>
<td>6</td>
<td>6 weeks</td>
</tr>
<tr>
<td>7</td>
<td>Rebar Embedment procedure</td>
<td>6</td>
<td>6 weeks</td>
</tr>
</tbody>
</table>

### 3.10 APPROVAL OF DETAILS

Submit details of the construction affecting Railroad tracks and property not already included in the Construction Plans to the Railroad through TxDOT for the Railroad's review and written approval before such work is undertaken. Allow a minimum of four (4) weeks review time. Baseball and softball fields, athletic facilities, and other similar projects shall be included in this requirement. Submit items in Table 1 for railroad underpass projects only.

### 3.11 MAINTENANCE OF RAILROAD FACILITIES

A. Maintain all ditches and drainage structures free of dirt or other substances, or any other damage to the property of the Railroad, its track or its structures, that may cause any damage due to the Contractor's operations at Contractor's expense.

B. Perform any repairs or replacements necessary due to any damage to the property of the Railroad, its track or its structures, that may cause any damage due to the Contractor's operations at Contractor's expense.

#### 3.12 SITE INSPECTIONS BY THE RAILROAD'S DESIGNATED REPRESENTATIVE

A. During the office reviews of construction submittals, site inspections may be performed by the Railroad's Designated Representative or his designee, including the following at Contractor's expense:

1. Verify line of sight
2. Check shoring, falsework, or other structures
3. Verify the installation of electrical and mechanical connections
4. Check shoring, falsework, or other structures

B. Site inspection is not limited to the milestone events listed above. Site visits to check progress of the work may be performed at any time throughout the construction as deemed necessary by the Railroad.

C. Provide a detailed construction schedule, including the proposed temporary horizons, and an on-site representation of the construction sequence for all work to be submitted to the Railroad's Designated Representative at the time of submittal. The schedule shall contain aITEM by ITEM representation of the above inspection sequence and the specific dates for each inspection. Update this schedule for the above listed events as necessary during construction.

### 3.13 RAILROAD REPRESENTATIVES

Railroad representatives, conductors, flag person or watch person will be provided by the Railroad at expense of TxDOT to protect Railroad facilities, its track and its structures from units that may impact the Railroad's operations. Railroad representatives will furnish such personnel of other protective services as follows:

A. When any part of any equipment is standing or being operated within 25 feet horizontally or vertically of the track or the right of way, any person or vehicle on or near the tracks may operate, or when any object is off the ground and any directional equipment of any kind or nature is within 25 feet horizontally or vertically of the track or the right of way, any person or vehicle or any object or any device on or near the tracks may operate.

B. For any excavation below elevation of track granular, if in the opinion of the Railroad, Designated Representative, other Railroad facilities may be subject to settlement or movement.

C. During any clearing, grubbing, excavation or grading in proximity to Railroad facilities, where in the opinion of the Railroad, Designated Representative, may endanger Railroad facilities or operations.

D. During any railroad operations, when in the opinion of the Railroad, Designated Representative, Railroad facilities, including, but not limited to, railroad tracks, buildings, railroad rights-of-way, are damaged.

### 3.14 COMMUNICATIONS AND SIGNAL LINES

When the work is complete, all railroad facilities, and other equipment shall be restored to the Railroad's satisfaction, subject to the approval of the Railroad. The railroad engineer in charge of the work shall furnish the railroad representative with a list of all railroad facilities and equipment which have been damaged or restored by the contractor's work. The railroad engineer shall be provided with a copy of this list and any necessary drawings of the affected facilities.

### 3.15 TRAFFIC CONTROL

Coordinating traffic control measures to ensure the safety and smooth flow of traffic is an important aspect of any highway project. In this section, we explore various traffic control requirements.

#### 3.16 CONSTRUCTION EXCAVATIONS AND BORING ACTIVITIES UNDER TRACKS

- **Roadway Excavations**: Excavations for roadway improvements shall be performed in accordance with the TxDOT "Guidelines for Temporary Shoring". These guidelines provide requirements for temporary shoring, excavation, and construction activities to ensure the safety and integrity of the existing infrastructure.

- **Railway Excavations**: Excavations for railway improvements shall comply with the TxDOT "Guidelines for Temporary Shoring". These guidelines provide requirements for temporary shoring, excavation, and construction activities to ensure the safety and integrity of the existing railway infrastructure.

### 3.17 CLEARING OF RIGHT-OF-WAY

When work is complete, all rights-of-way shall be restored to the Railroad's satisfaction, subject to the approval of the Railroad. The railroad engineer in charge of the work shall furnish the railroad representative with a list of all railroad facilities and equipment which have been damaged or restored by the contractor's work.