All connection bolts must conform to Item 447 "Structural Bolting" and finished with the following paints or approved equivalent:

BASE COLOR: SHERMANN WILLIAMS 6142 "MACADAMIA"

Provide Grade 60 reinforcing steel.

Provide Class C concrete (f'c = 3600 psi).

Chamfer all exposed edges.

Details called for herein are applicable for Design Wind Heights up to 35' structure.

Design wind speed 100 mph.

Electrical system conduit: Use 6" minimum radius sweeps for bends. No 90 degree elbows are permitted. Install pull tape in empty conduit. Pull tape must have 1250 lbs. minimum tensile strength, and foot length markings. Conduit must extend 6" beyond the concrete as shown, and must be threaded and capped. This conduit may be cut to exact dimension shown on the TMS or other electrical system detail sheet when installed.

Type DS fill must conform to Item 433, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

GENERAL NOTES:

Designed in accordance with AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals", 5th Edition and Interim Specifications. Provide Class C concrete (f'c = 3600 psi). Provide Grade 60 reinforcing steel. Chamfer all exposed edges ½" unless noted otherwise. Unless otherwise noted, all concrete surfaces must be smooth and finished with the following paints or approved equivalents:

BASE COLOR: SHERMANN WILLIAMS 6142 "MACADAMIA"

All connection bolts must conform to Item 447, "Structural Bolting".
All structural steel connection bolts, nuts, rods and washers must be galvanized in accordance with Item 455, "Galvanizing".

OSB must be paid under Item 650 "OVERHEAD SIGN SUPPORTS" or as shown in the plans.

Unless otherwise noted, all concrete surfaces must be smooth and finished with the following paints or approved equivalent:

BASE COLOR: SHERMANN WILLIAMS 6142 "MACADAMIA"

All connection bolts must conform to Item 447, "Structural Bolting".
All structural steel connection bolts, nuts, rods and washers must be galvanized in accordance with Item 455, "Galvanizing".

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 433, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

HILL COUNTRY THEME

OVERHEAD SIGN COLUMN
OVERHEAD SIGN BRIDGE SPANS UP TO 155 FEET

GENERAL NOTES:

Provide Class C concrete (f'c = 3600 psi).
Provide Grade 60 reinforcing steel.
Chamfer all exposed edges ½" unless noted otherwise.

Details called for herein are applicable for Design Wind Heights up to 35’ structure. Design wind speed 100 mph.

Type DS fill must conform to Item 423, "Retaining Walls", Table 2.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.
Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

Design width and dimensions shown are out-to-out of bar.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

Provide #3 reinforcing bars at 18" Spa-c-c. or Welded Wire Reinforcement (WWR) as 6x6-2x2x3/3 or 6x2x3.

Provide 3" clear cover at edges and minimum 1" clear cover top and bottom.

Provide #8 reinforcing bars at 18" Spa-c-c. or Welded Wire Reinforcement (WWR) as 6x6-2x2x3/3 or 6x2x3.

Provide 3" clear cover at edges and minimum 1" clear cover top and bottom.

4'-6" min drilled shaft vertical bars projection into footing

Permissible constant joint

3 spiral at 6" pitch. One and a half flat turns top and bottom.

Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.

2" Clr cov (Typ)

3" Clr cov (Typ)
LAMINATED ELASTOMERIC BEARING DETAILS

The use of polysulfide (natural rubber) is not allowed.

UPPER TRUSS ATTACHMENT DETAIL ELEVATION

LOWER TRUSS ATTACHMENT DETAIL PLAN

TOP ANCHOR BOLT DETAIL

Two required.
Snug tighten anchor bolt nuts.

BOTTOM ANCHOR BOLT DETAIL

Four required.
Snug tighten anchor bolt nuts.
**Detail A**

- **2" max form liner depth**
- **1/2" chamfer**
- **Chiseled stone finish**
- **Design dimension line**

**Detail B**

- **Rough stone finish**
- **2" max form liner depth**
- **Design dimension line**

**Detail C**

- **13" (Typ)**
- **1'-10"**
- **2" Chamfer**
- **Chiseled stone finish**
- **Design dimension line**

**Detail D**

- **1'-10" C L**
- **2" max form liner depth**
- **Design dimension line**

**Detail E**

- **13" (Typ)**
- **1'-10"**
- **2" Chamfer**
- **Chiseled stone finish**
- **Design dimension line**

**Detail F**

- **3'-6"**
- **6" (Typ)**
- **2" Dia bending pin (Typ)**

**Table of Estimated Quantities for One Column**

<table>
<thead>
<tr>
<th>Bar</th>
<th>No.</th>
<th>Size</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>8</td>
<td>#11</td>
<td>24'-0&quot;</td>
<td>1035</td>
</tr>
<tr>
<td>B</td>
<td>12</td>
<td>#11</td>
<td>18'-0&quot;</td>
<td>1684</td>
</tr>
<tr>
<td>C</td>
<td>12</td>
<td>#8</td>
<td>7'-0&quot;</td>
<td>192</td>
</tr>
<tr>
<td>D</td>
<td>16</td>
<td>#8</td>
<td>6'-0&quot;</td>
<td>277</td>
</tr>
<tr>
<td>E</td>
<td>12</td>
<td>#11</td>
<td>10'-0&quot;</td>
<td>1297</td>
</tr>
<tr>
<td>F</td>
<td>12</td>
<td>#11</td>
<td>6'-0&quot;</td>
<td>420</td>
</tr>
<tr>
<td>G</td>
<td>16</td>
<td>#8</td>
<td>6'-0&quot;</td>
<td>80</td>
</tr>
<tr>
<td>H</td>
<td>14</td>
<td>#5</td>
<td>17'-0&quot;</td>
<td>249</td>
</tr>
<tr>
<td>J</td>
<td>26</td>
<td>#4</td>
<td>14'-10&quot;</td>
<td>403</td>
</tr>
</tbody>
</table>

**Reinforcing Steel**

- **Class C Concrete (Column)**
- **Class C Concrete (Column) by 0.66 CY**

**Notes:**

- Quantities shown are for Contractor information only.
- Footing quantity includes riprap.

**Contractor is responsible for verifying all dimensions and quantities in the field before beginning work.**

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

**San Antonio District Standard**

**Hill Country Theme**

**Overhead Sign Column**

**Overhead Sign Bridge**

**Spans up to 155 feet**

**Texas Department of Transportation**

San Antonio District (Structural Design)

Prepared by and for the use of TxDOT

**Revisions:**

- 2020

**ORIGINAL DRAWING DATE:** January 2020

**FILENAME:** Hill Country Theme OSB.dgn

**Texas Hill Country Theme**

**Overhead Sign Column**

**Overhead Sign Bridge**

**Spans up to 155 feet**

**San Antonio District Standard**

**Sheet 4 of 5**

**Prepared by and for the use of TxDOT**

**Revisions:**

- 2020
TRUSS DETAILS

See Standard Sheet OSBC for truss details not shown here.

PLAN

See Standard Sheet OSBC for truss details not shown here.

ELEVATION

See Standard Sheet OSBC for truss details not shown here.

TRUSS DETAILS

See Standard Sheet OSBC for truss details not shown here.