Drilled shaft foundation is based on uniform soil conditions with the following soil parameters: Unit Weight = 120 pcf, k = 70 psi, angle of internal friction = 35°. Depth or design should be revised by the Project Engineer of Record for weaker soils or rock embedment and shown on the project plan.

<table>
<thead>
<tr>
<th>Structure</th>
<th>Support Post</th>
<th>Baseplate</th>
<th>Beam</th>
<th>Beam Splice Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span A</td>
<td>Item No.</td>
<td>Base Diameter &quot;N&quot;</td>
<td>Wall Thickness</td>
<td>Bolt Diameter &quot;E&quot;</td>
</tr>
<tr>
<td>50'-0&quot;-70'-0&quot;</td>
<td>6060057</td>
<td>15.5&quot;</td>
<td>0.3125&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>55 ksl</td>
<td>6060058</td>
<td>15.5&quot;</td>
<td>0.3125&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>60 ksl</td>
<td>6060059</td>
<td>15.5&quot;</td>
<td>0.3125&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>65 ksl</td>
<td>6060060</td>
<td>15.5&quot;</td>
<td>0.3125&quot;</td>
<td>20&quot;</td>
</tr>
</tbody>
</table>

GENERAL NOTES

Construction Specification - Arizona Department of Transportation

All concrete shall be Class "5".

Stress relieved steel shall conform to ASTM Specification A 615, Grade 60.

Structural steel shall conform to ASTM Specification A 36 unless noted otherwise.

Tapered tube shall be designed for the maximum expected dynamic loads and shall be fabricated and tested in accordance with the provisions of AISC Specification for Structural Joints for Buildings, eleventh edition.

Material:
- Anchor Bolts: ASTM A 36, Grade 50
- Connecting Bolts: ASTM A 325
- Base Plates and Splice Plates: ASTM A 36

All bolts, nuts, and washers shall be galvanized in accordance with the requirements of ASTM A 153.

All other steel shall be galvanized after fabrication in accordance with ASTM A 123.

Wind loads shall be calculated using the code of practice for structural steel and the design wind speed for the project location.

The single beam has been designed for site conditions which are neither elevated above the average surrounding terrain by more than 20'-0" nor supported on a bridge.

Maximum Sign Area: 180 ft², 8.5 lbs/ft².

Tapered tube shall be designed for the worst-case loading following: AASHTO M 156, M 156-83, M 157-60, M 157-01.

ASTM A 36, Grade B, A 572, Grade 50, or equivalent steel, and shall have a minimum yield of 48 ksi, 55 ksi, or 65 ksi after fabrication.

Support poles and mast arms are not required to be of the same yield strength.

All high strength bolts shall be tightened in accordance with AISC Specifications for high-strength bolts.

The project plans shall be coordinated with the project engineer and must be provided to the project engineer for review.

ELEV. A, ELEV. B, ELEV. C, and sign panel layout and dimensions.

Horizontal members shall be pre-assembled for ease of installation by manufacturer.

Bolt holes diameters shall be equal to the bolt diameter + 1/16" unless noted otherwise.

All signs shall be centered vertically on mast arm.

Dimensions shall not be scaled.

Item No. 6060074: DRILLED SHAFT FOUNDATION

SHEET 3 OF 4
NOT TO SCALE

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERAGENCY TRANSPORTATION DIVISION
STANDARD DRAWINGS

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