**SHAPE 11**

*DESCRIPTION*

- Effective: Nov. 2015
- Supercedes: Aug. 2008

**Concrete**

- Concrete for prestressed girders shall be Class A-1 with f'c = 3800 psi and f'ci = 3800 psi.
- Concrete for prestressed girders shall be of the required with open diaphragms.
- See EPG for actual length of B1 bars which vary by design.

**Girder Dimensions**

- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.

**Bearing Plate Details**

- Bead detail required with open diaphragms.
- Exterior and interior girders are the same, except for coil tie rods.

**STRAINS ARRANGEMENTS**

- Exterior and interior girders are the same, except for coil tie rods.
- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.

**Details of Vented Hole**

- Exterior and interior girders are the same, except for coil tie rods.
- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.

**Fabrication and Installation**

- Fabrication shall be responsible for location and design of lifting devices.
- Exterior and interior girders are the same, except for coil tie rods.
- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.

**NOTICE**

- Notes: This drawing is not to scale. Follow dimensions.

**Bill of Reinforcing Steel - Each Girder**

- Exterior and interior girders are the same, except for coil tie rods.
- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.

**Additional Information**

- Exterior and interior girders are the same, except for coil tie rods.
- Girder will be considered completely covered by the contract unit
- Cost of furnishing, galvanizing, and installing the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.
- Galvanize the 1/2" bearing plate (ASTM A709 Grade 36) in accordance with ASTM A123.