SPECIFICATION FOR CORRUGATED METAL PIPE

RIVETED PIPE – GALVANIZED STEEL – AREMA

1.0 GENERAL

1.1 This specification covers the manufacture and installation of the galvanized corrugated steel riveted pipe or pipe-arch (CSP) detailed in the project plans. The AASHTO specifications listed below are referenced in the AREMA Specification for Culverts, Part 4.

2.0 DESIGN STANDARDS

2.1 The CSP meets the design parameters of the American Association of State Highway and Transportation Officials (AASHTO) Standard Specification for Highway Bridges.

2.2 The gauges specified by the engineer shall consider the seam strength of the riveted pipe using AREMA Height of Cover table information.

3.0 MATERIAL

3.1 The galvanized steel coils shall conform to the applicable requirements of AASHTO M 218.

4.0 PIPE

4.1 The CSP shall be manufactured in accordance with the applicable requirements of AASHTO M 36. The pipe sizes, gauges and corrugations shall be as shown on the project plans.

4.2 All fabrication of the product shall occur within the United States.

5.0 COUPLING BANDS

5.1 Coupling bands for the CSP shall be made of the same base metal and coatings as the CSP to a minimum of 18 gauge.

5.2 Connection fasteners will be provided.

6.0 HANDLING & ASSEMBLY

6.1 Refer to the recommendations of the National Corrugated Steel Pipe Association's (NCSPA).

7.0 INSTALLATION

7.1 The installation shall be in accordance with AREMA Section 4.14 and in conformance with the project plans and specifications. If there are any inconsistencies or conflicts, the contractor must bring them to the attention of the project engineer.

7.2 It is always the contractor's responsibility to follow OSHA guidelines for safe practices.

8.0 CONSTRUCTION LOADS

8.1 Construction loads may be greater than design loads. The contractor shall follow the recommendations for additional compacted material per manufacturer's or NCSPA guidelines.