NOTES:


2. DESIGN DATA:
   Loading: Walkway Live load = 85 pounds per square foot.

3. MATERIALS
   Structural Steel ASTM A36 minimum yield strength Fy=36000 pounds per square inch.
   Welding Electrode Grade and Welding Process:
   E60XX or E70XX Manual Shielded Metal Arc, FEX-XXXX or TFX-XXXX Submerged Arc, F70VS or F70VS Gas Metal Arc.
   Main Connections Bolts ASTM A325
   Other Bolts (as noted) ASTM A307
   Threaded Bars (stock) ASTM A36
   Steel shall be galvanized to conform to ASTM A456 after cutting bending and welding. Bolts, nuts, washers and similar threaded fasteners shall be galvanized as per ASTM A53. These items may be mechanically zinc coated in accordance to ASTM D665 Class 50.

4. WORK DESCRIPTION:
   The work shall consist of the fabrication and installation of a hung walkway structure. The final structure will be the Steel Truss Overhead Sign Support TC-15-115 (Modified).
   The Contractor shall prepare full walkway structure construction drawings to fit the span requirements by the Project Plan at the site of interest. The Construction Drawings shall be based on the Plan, Details and Materials described.
   The Contractor shall determine the exact placement of the sign on the sign support truss to calculate the length of walkway required.
   The walkway shall be widened to 3'-0" from the door of the DMS enclosure a minimum distance of 3'-0" and a maximum distance of 4'-6". The door must be able to fully open to 90-degrees from the enclosure.
   If the wearing surface of the proposed walkway is not at the same level as the bearing deck of the sign, steps shall be provided. The Contractor shall determine the width of tread and height of riser steps to assure that the sign enclosure door will open out. A landing area shall be provided to allow total opening of the door.

5. Shop drawings shall be submitted to the Engineer 10 days before fabrication.

6. Payment for materials and installation of walkway and ladder is incidental to sign truss.

7. If go, steel grating for walkway shall be fastened per manufacturers recommendations.

8. The width of the walkway at the door of the DMS enclosure can vary with DMS size. It should be wide enough to open the access door outward ninety degrees from the sign housing.

ENGINEERING
ROADWAY
OFFICE
OF
DYNAMIC MESSAGE SIGN - TRUSS CATWALK

HANDRAIL AND POST

FRAME RAIL DETAIL

TRANSVERSE BEAM DETAIL

LADDER PLAN

CATWALK CROSS SECTION AND HANGERS

FRAME RAIL DETAIL

LADDER PLAN

FRAME RAIL DETAIL
BEARING PLATE
SADDLE DETAIL
TIGHTENING PLATE
HANGER DETAIL

FRONT HANGER DETAIL

TIGHTENING PLATE
HANGER ELEVATION
SECTION A-A

REAR HANGER DETAIL
SADDLE DETAIL

CAGED LADDER VIEW M-M
WELD DETAIL

NOTES:
1. Saddle bars shown on details shall be bent hot.
2. Isolate aluminum from galvanized steel and use SS bolt/nuts at aluminum/steel connections.
3. Contact between aluminum and galvanized parts shall be prevented with a 1/16" minimum chloroprene gasket or approved substitute.