GENERAL NOTES:
1. Determine the adequacy of the overhead sign support structure to support the dynamic message sign (DMS) prior to attaching the sign to the truss.
2. Designed according to the 1994 edition of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and Interim Revisions. Designed for a Sustained (Fastest Mile) Wind Velocity of 100 mph with a gust factor of 1.3. Connections are designed per TxDOT specifications.
3. Dynamic Projected Area (EPA) of 395 sq. ft. based on the DMS nominal width of 29.1 feet and a frontal area of 2.44. From the face of the truss to the center of gravity of the DMS. Provide an even number of sign support brackets, at least W6x12 spaced at 12" max. The maximum distance between the sign edge to the nearest supporting bracket is 3'-3".
4. Provide structural steel meeting the requirements of ASTM A36, A572 Gr 50 or A525. Provide connection bolts meeting the requirements of ASTM F3125, Grade 5.8. Provide stainless steel J-bolt and washer plates, with bolt minimum yield strength of 50 ksi and an elongation of 16 percent in 2 inches. Galvanize all parts except stainless steel.
5. Prior to the installation of DMS mounting, the DMS manufacturer must provide and install the 6061-T6 Aluminum Extrusion Horizontal Zees, 4 7/8 x 3/8 x 3/16".
6. The sign support bracket attached to the truss shown here is an example only. Adjust the bracket position along the truss depth to achieve the required vertical clearance to be confirmed by the Engineer.
7. When the structure is exposed to a highly corrosive environment, provide atmospheric space to separate aluminum alloy parts from direct contact with steel.

TRUSS TOP CONNECTION

TRUSS BOTTOM CONNECTION

DMS-TO-TRUSS MOUNTING WITH HORIZONTAL ZEE EXTRUSIONS

MOUNTING DETAILS
(Daktronics DMS)

SECTION A-A

SECTION C-C

DMS (HZ-2)-21

DMS TO TRUSS MOUNTING

WITH HORIZONTAL ZEE EXTRUSIONS

DETAIL A

DETAIL B