For Information Only
This Type of Support Has
To Be Analyzed For Each Case.

ELEVATION
* Stop weld 1/4" short of corner clips

SECTION A-A
INTERIOR GIRDER CONNECTION DETAIL

(TO BE USED WITH EXISTING BEAM)

ALTERNATE INTERIOR GIRDER CONNECTION DETAIL

(TO BE USED WITH NEW CONSTRUCTION)

SECTION E-F
NOTES:

1. Additional analysis may be required if conditions other than those shown on these plans exist or to ensure that the additional loading from this connection and from the sign support structure does not exceed the capacity of the bridge.

2. The design of this structure is based on the AASHTO Standard Specifications For Structural Supports For Highway Signs, Luminaire and Traffic Signals, current Edition.

3. All structural steel, bolts, welding and galvanizing shall be per “MDOT Standard Specifications For Construction”.

4. Blast clean base plates, stiffeners, and all weldments prior to galvanizing.

5. Hot-dip galvanize all components prior to bolted assembly.

6. Tighten all high strength galvanized bolts by the turn of the nut method.

7. All steel plates shall be ASTM A709, Grade 36.

8. Use 7/8” Ø ASTM A325 bolts for all connections. Provide 15/16” Ø holes unless otherwise stated.

9. Beam web depth is limited to 50”. Minimum beam spacing is 4’-0”.

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.