Standard Drawing Guidance (do not show on plans):

- Check with Designer to verify use of Flange Connection Angles. If they are not needed turn the Bridge-Miscellaneous level off.
- Angle size should be shown without 1 inch (") marks on the plans.
- Do not show fillet weld size unless by design and size of weld exceeds Sec 1080.
- Show specialty welds information as given unless by design.
- Delete panels for CIP slab.
- Use Type 3 for weathering steel bolted connections and Type 1 for painted or galvanized steel bolted connections.

NOTE: This drawing is not to scale. Follow dimensions.

STEEL DIAPHRAGMS

Elevation

Side View

Plan

Detail C

Detail D

Detail B

Optional Detail B

Detail A

(Detail E similar)

* At the Contractor's option, rectangular fill plates may be used in lieu of diamondfill plates as shown in Optional Detail B.

NOTE: Bolts shall be 3/4" ASTM F3125 Grade A325 Type 1 Type 3 galvanized steel bolted connections. Use Type 3 for weathering steel bolted connections and Type 1 for painted or galvanized steel bolted connections.

Delete panels for CIP slab.

Use Type 3 for weathering steel bolted connections and Type 1 for painted or galvanized steel bolted connections.

Angle size should be shown without 1 inch (") marks on the plans.

Do not show fillet weld size unless by design and size of weld exceeds Sec 1080.

Show specialty welds information as given unless by design.

Delete panels for CIP slab.

TYPICAL PART SECTION SHOWING
END DIAPHRAGMS

TYPICAL PART SECTION SHOWING
INTERMEDIATE DIAPHRAGMS

BOTTON FLANGE IN TENSION

TYPICAL PART SECTION SHOWING
INTERMEDIATE DIAPHRAGMS

TOP FLANGE IN TENSION

Fill plate *

Diamond shaped in Optional Detail B.

May be used in lieu of diamond fill plates as shown.

* At the contractor's option, rectangular fill plates may be used in lieu of diamond fill plates as shown in Optional Detail B.

Note: This drawing is not to scale. Follow dimensions.

END DIAPHRAGMS

TYPICAL PART SECTION SHOWING
INTERMEDIATE DIAPHRAGMS

Top Flange in Tension

Intermediate Diaphragms

Typical Part Section Showing
Cross Frames and
Intermediate Diaphragms

Top Flange in Tension

Steel Diaphragms