NOTES

1. For welding details see "Connection Stiffener Details" on Standard 24.02.

2. Stiffeners and bearing plates are all perpendicular to flanges. Angles are parallel to flanges.

DESIGNER NOTES

1. See and length of angles, number of bolts, type of bolts and angle thickness of web plate and size of bearing stiffeners and jacking stiffeners shall be determined from an analysis using the vertical and horizontal forces acting at the hinge.

2. The 5" opening between order web and flange plates is for expansion and should be based on expansion length and temperature. Slotted holes in the angles and connecting bars will accommodate a total temperature movement of up to 4" from 45° F. The designer may need to increase or decrease the length of the slot to meet specific job requirements.

3. Cross frame under bridge and end stiffener is only needed if total mid height exceeds 60".

4. See Bridge Manual, Section 24.1 for criteria for locating hinge joints.

EXPANSION HINGE JOINT DETAILS

ELEVATION

SECTION A

SECTION B

SECTION C

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1.68

STANDARD 24.08

Approved:

Date: