NOTES TO DESIGNER:

Standard is for use with steel beams/girders.

Bearings may be fixed by welding washer WI to the sole plate (see Section E-E).

At fixed bearings, anchor bolts must be designed for moment and shear. Therefore, either larger or additional anchor bolts may be required.

Do not bevel the sole plate unless required by AASHTO LRFD 14.8.2. Instead enter 0 (zero) in the table for the Grade %. Round off grade to two decimal places. The Grade is the inclination of the underside of the beam/girder to the horizontal under full permanent load. As an approximation, calculate elevations at points 5 feet on either side of bearing, carrying elevation to three decimal places. Calculate % grade from these two points.

On vertical curves with skewed substructures, bearings may be grouped together by average Grade % as long as the grade does not vary by more than 0.25% in any group.

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

TABLE:

Complete table with data as applicable: Span (designation), Abutment (A or B normally), Pier (designation), Bearing Type (Fix. or Exp.) and so forth.

“A” is dimension on centerline bearing. Minimum height is 2”. Minimum dimension may be varied to suit grade by increasing the sole plate thickness. Minimum thickness of sole plate is \( \frac{3}{4} " \).

Minimum dimension for "W" shall be the width of the bottom flange at the bearing.

“Total Load” is total vertical load at applicable State Service Limit.

SECTION B-B and SECTION C-C:

Increase weld size where required by design. Increase anchor bolt diameter and embedment depth where required by design. Revise hole diameters, slot dimensions and any other necessary detail changes in all corresponding details.

NOTES:

Indicate anchor bolts are high-strength where required by design.