

BEARING DETAILS

LAMINATED ELASTOMERIC BEARINGS PRESTRESSED CONCRETE BEAMS

NOTES TO DESIGNER:

Standard is for use with prestressed concrete beams.

Bearings may be fixed by welding washer W1 to the sole plate (see Section C-C).

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 grade of the chord between the bearings at opposite ends of a beam.

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), Beam Type (II thru VI or PCBT (Bulb-T)), 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 dimensions for "W":

Beam Type	II	III	IV	V	VI	PCBT
W (min.)	1'-2"	1'-5"	1'-8"	1'-9"	1'-9"	2'-0"

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

NOTES:

Add sheet number to "For closure diaphragm details, see sheet " if prestressed beam is designed for continuity (continuous for live load, etc.) or delete if not applicable.