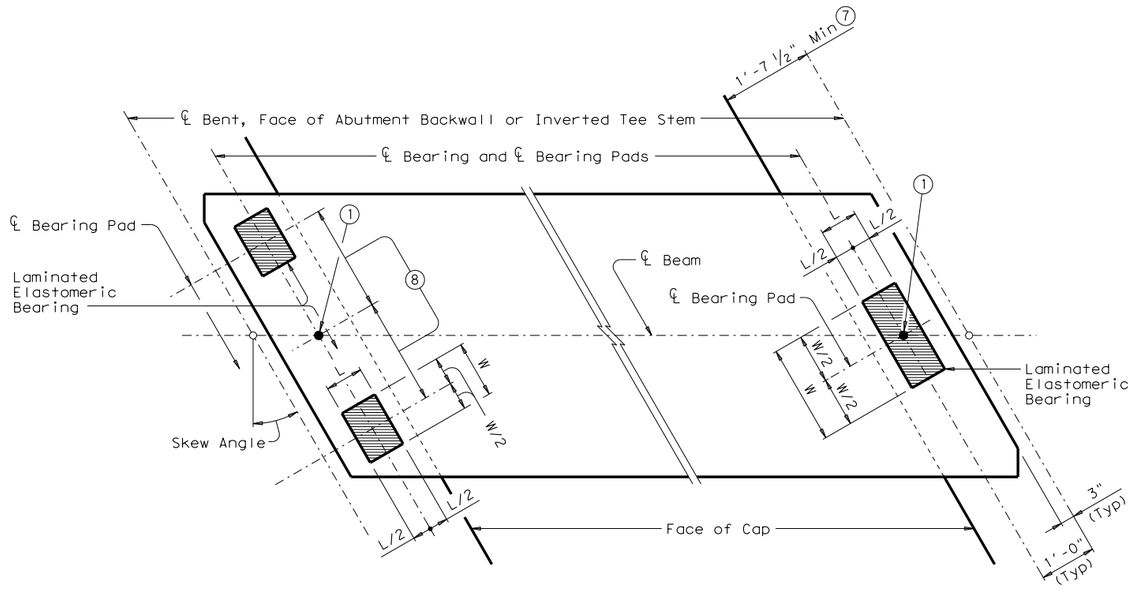
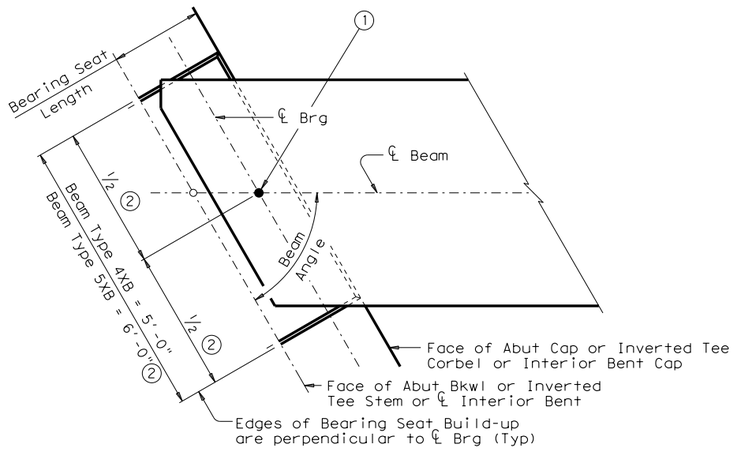
DATE:
FILE:



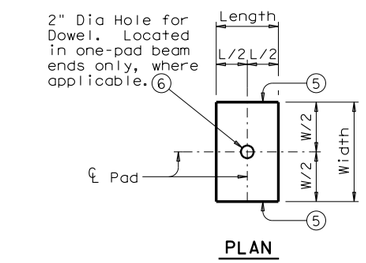
ELASTOMERIC BEARING PLACEMENT DIAGRAMS

Place one bearing at forward station beam end.
Place two bearings at back station beam end.

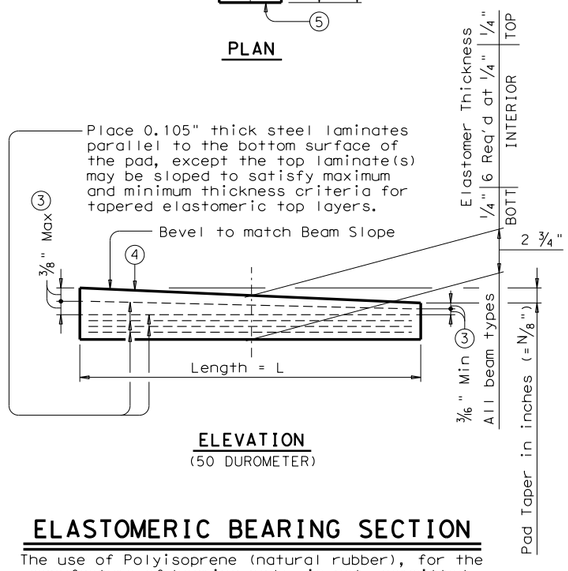


BEARING SEAT DIMENSIONS

Used when shown on Abutment and/or Bent details.



PLAN



ELEVATION
(50 DUROMETER)

ELASTOMERIC BEARING SECTION

The use of Polyisoprene (natural rubber), for the manufacture of bearing pads, is not permitted.

ELASTOMETRIC BEARING DIMENSIONS TABLE

BEARING TYPE (4)	BEAM TYPE	ONE BEARING		TWO BEARINGS	
		L	W	L	W
XB20-"N"	4XB20	8"	21"	8"	10"
	5XB20	8"	21"	8"	10"
XB28-"N"	4XB28	8"	21"	8"	10"
	5XB28	8"	21"	8"	10"
XB34-"N"	4XB34	8"	21"	8"	12"
	5XB34	8"	21"	8"	12"
XB40-"N"	4XB40	8"	21"	8"	12"
	5XB40	8"	21"	8"	12"

(1) Dowel at doweled beam end [labeled (D) on Bridge Layout]. Required for outside girder only or as shown on substructure details.

(2) Measured along ℄ of Bearing.

(3) Maximum and minimum layer thicknesses shown are for elastomer only, on tapered layers.

(4) Indicate BEARING TYPE on all pads. For tapered pads, locate BEARING TYPE on the high side. Include the value of "N" (amount of taper in 1/8" increments) in this mark.
Examples: N=0, (for 0" taper)
N=1, (for 1/8" taper)
N=2, (for 1/4" taper)
(etc.)
Fabricated pad top surface slope must not vary from plan beam slope by more than $\left(\frac{0.0625"}{\text{Length}}\right)$ IN/IN.

(5) Locate Permanent Mark here.

(6) Provide 2" Dia Hole only at locations required. See substructure details for location.

(7) Minimum dimension required for the bearings shown on this standard.

(8) 4XB beams = 1'-2" along ℄ Bearing (Typ).
5XB beams = 1'-8" along ℄ Bearing (Typ).

GENERAL NOTES:

Set beams on elastomeric bearings of the dimensions shown. Center bearings as near nominal ℄ bearing as possible within limits shown.

Constant thickness bearings may be used for moderate beam slopes up to 0.008 ft/ft.

For skewed supports, Bearings beveled for beam slope may not provide uniform contact. However, predicted contact is considered within allowable tolerances.

Shop drawings for approval are required.

A bearing layout which identifies location and orientation of all bearings must be developed by the bearing fabricator. Permanently mark each bearing in accordance with the bearing layout. Provide copy of the bearing layout to the Engineer.

Cost of furnishing and installing elastomeric bearings is to be included in unit price bid for "Prestressed Concrete X-Beams".

Details are drawn showing right forward skew. See Bridge Layout for actual direction.

These details are applicable for skews up to 30 degrees only.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

ELASTOMERIC BEARING DETAILS
PRESTR CONC X-BEAMS

XBEB

FILE: xbstde07.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
©TxDOT June 2011	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.