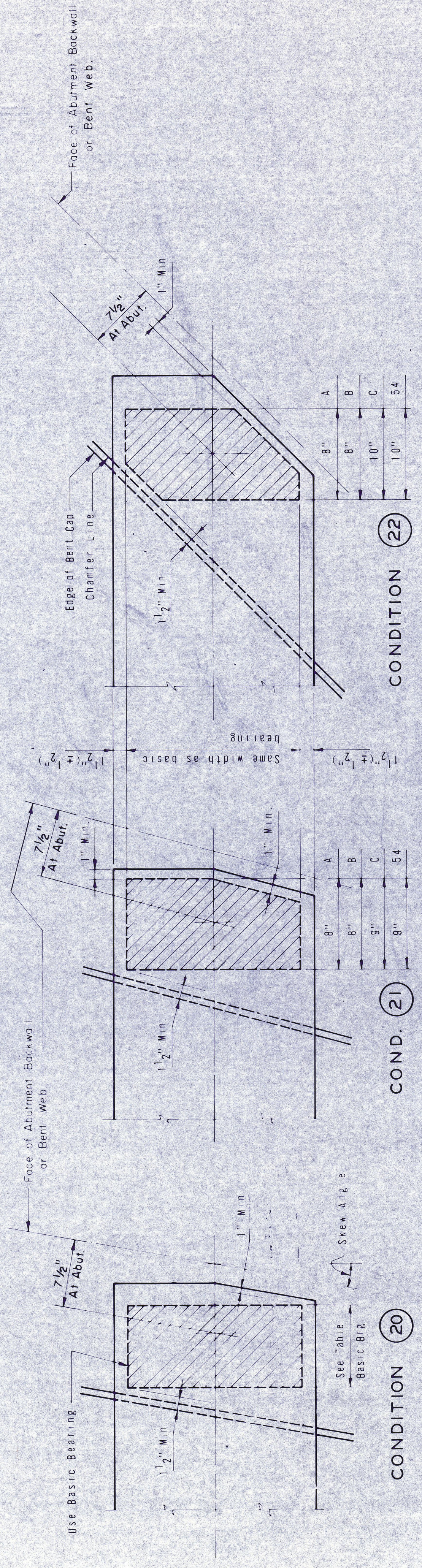


NOTE: For Transition Bents with backwall, beams and elastomeric bearings shall receive the same treatment as shown for Abutment Bents.

* For purpose of computing bearing seat elevations, nominal centerline of bearing shall be defined as shown. In general, no distinction shall be made for offset beams where center of pad does not coincide with nominal centerline of bearing.

DETAILS OF BEAM ENDS



NOTE: Basic Bearings are to be used for square beam ends and for moderately skewed beam ends as covered in Condition 20.

REPRODUCED FROM
TEXAS STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
STANDARD DRAWING 6p B
4-71

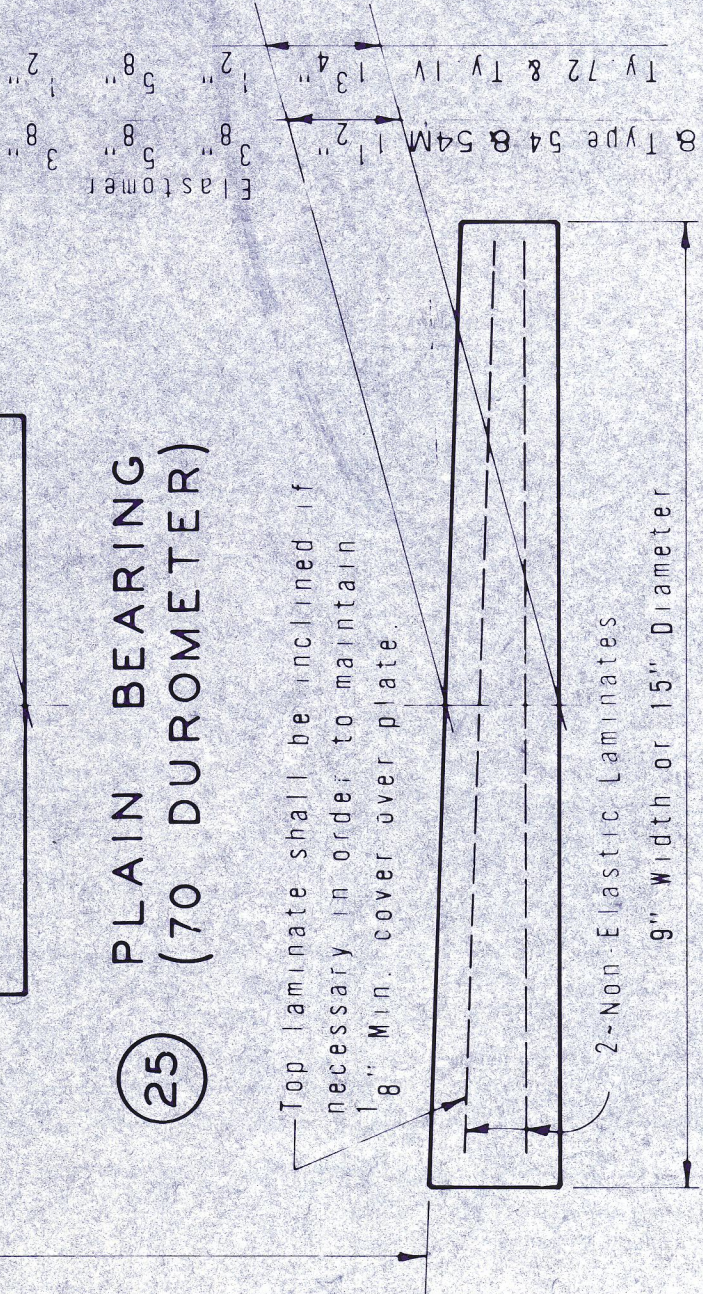
DETAILS OF ELASTOMERIC BEARINGS

BASIC BEARINGS		BEARINGS FOR BEVELED BEAM ENDS	
BM. TYPE	SIZE, THICKNESS "H" & DESCRIPTION	CONDITION 20	CONDITION 22
A	8" X 14" X 3/4"	0° THRU 20°	0° THRU 30°
C (ABUT.)	9" X 19" X 1 1/2"	0° THRU 10°	10° THRU 20°
C (BENT)	9" X 19" X 1"	10° THRU 20°	20° THRU 55°
54	9" X 14" X 1 1/2"	0° THRU 10°	10° THRU 20°
54M	9" X 16" X 1 1/2"	10° THRU 25°	20° THRU 50°
IV	9" X 22" X 1 3/4"	0° THRU 10°	10° THRU 25°
		10° THRU 25°	25° THRU 50°
		25° THRU 50°	50° THRU 55°
		50° THRU 55°	55° THRU 55°

BASIC BEARINGS		BEARINGS FOR BEVELED BEAM ENDS	
BM. TYPE	SIZE, THICKNESS "H" & DESCRIPTION	CONDITION 20	CONDITION 22
A	8" X 14" X 3/4"	0° THRU 20°	0° THRU 30°
C (ABUT.)	9" X 19" X 1 1/2"	0° THRU 10°	10° THRU 20°
C (BENT)	9" X 19" X 1"	10° THRU 20°	20° THRU 55°
54	9" X 14" X 1 1/2"	0° THRU 10°	10° THRU 20°
54M	9" X 16" X 1 1/2"	10° THRU 25°	20° THRU 50°
IV	9" X 22" X 1 3/4"	0° THRU 10°	10° THRU 25°
		10° THRU 25°	25° THRU 50°
		25° THRU 50°	50° THRU 55°

25 PLAIN BEARING
(70 DUROMETER)

26 LAMINATED BEARING
(60 DUROMETER)



GENERAL NOTES
Beams shall be seated on elastomeric bearings of the dimensions shown. Bearings shall be furnished with their thickness varying in one direction depending on the slope of the erected beam; 5% grooves for moderate beam slopes. If the variation is within the allowable dimensional tolerances given in the specifications, the elastomeric bearing shall be included in unit price bid for "prestressed concrete beams".

Details 11, 12, 13, & 15 Added TCB 10-83
Note Change EHC 3-83
Bearing Pad Dimensions GDH 1-83
REV. DATE

TEXAS TURNPIKE AUTHORITY
DALLAS NORTH TOLLWAY
PRESTRESSED CONCRETE BEAMS
BEAM ENDS & BEARINGS

HNTB
HOWARD NEEDLES TAMM & BERENSON
THD 4-71
GDH 3-16-83
SECTION VII
THD 4-71
NONE
STANDARD DRAWING NO 24