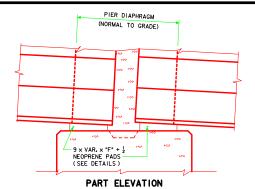


EXPANSION PIER

ASTM A 709 GRADE HPS 70W







SLOPE	"D"
SLOPE ≤ 1.4%	0"
1.4% < SLOPE = 4.2%	1 # 8
4.2% < SLOPE = 5.0%	1 " 4

PLAN OF NEOPRENE PAD

SLOPE SPA	CLODE -	100%	P/G ELEV. @ NEAR ABUT P/G ELEV. @ PIER I	
	SLUFE SPAN I		P/G ELEV. @ NEAR ABUT P/G ELEV. @ PIER I SPAN I LENGTH	
SLOPE _{SPAN 2} =		P/G ELEV. PIER I - P/G ELEV. PIER 2		
	SLOPE SPAN 2 =	100%	P/G ELEV.@ PIER I - P/G ELEV.@ PIER 2 SPAN 2 LENGTH	
1				
	CLODE =	100%	P/G ELEV. @ PIER 2 - P/G ELEV. @ FAR ABUT.	
	SLUFE SPAN 3		P/G ELEV. @ PIER 2 - P/G ELEV. @ FAR ABUT. SPAN 3 LENGTH	

FIXED PIER BEARING NOTES:

IF CALCULATED SLOPE FOR A GIVEN SPAN EXCEEDS 1.4%, THE NEOPRENE BEARING PADS AT THE FIXED PIER FOR THAT SPAN SHALL BE TAPERED. REFER TO TABLE FOR DIMENSIONS OF TAPERED PADS.

OF TAPERED PADS.
COST OF NEOPRENE PADS SHALL BE INCLUDED
IN THE PRICE BID FOR "PRETENSIONED
PRESTRESSED CONCRETE BEAMS".

SLOPE CALCULATION FORMULA

FIXED PIER

VARIABLE DIMENSIONS

	BEAM BOTTOM FLANGE WIDTH		
	A & B BEAMS I'-5	C BEAMS I'-8	
"A"	0′-6	1′-0	
"B"	0′-5½	0′-4	
"C"	1'-3½	I'-6 ½	
"E"	l'-5	1′-8	
"F"	1′-3	I′-6	
"G"		0′-6	
"H"	0′-11	l'-2	





STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

PIER BEARING DETAILS

H44-37-07