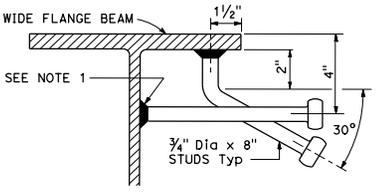
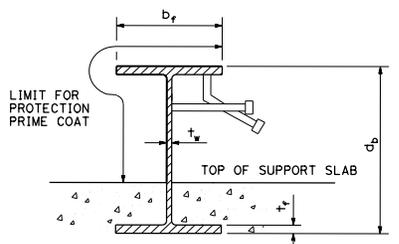


**WIDE FLANGE DETAIL**



**DETAIL D**



**WIDE FLANGE PAINTING DETAIL**

See "TABLE OF BEAM SIZES"

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

**Flornice E. Baultista**  
 REGISTERED CIVIL ENGINEER  
 No. CS4859  
 Exp. 6-30-16  
 CIVIL  
 STATE OF CALIFORNIA

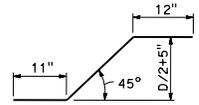
October 30, 2015  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**LEGEND:**

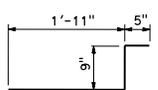
- b<sub>f</sub> - FLANGE WIDTH
- t<sub>f</sub> - FLANGE THICKNESS
- t<sub>w</sub> - WEB THICKNESS
- d<sub>b</sub> - BEAM DEPTH
- D1 - PAVEMENT THICKNESSES
- D2

**NOTES:**

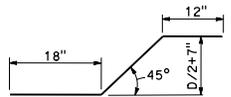
1. Studs must be electric arc end welded with complete fusion. Any stud dislodged in shipping or that can be dislodged by hammer must be replaced.
2. Weld 3/8" plate to each end of wide flange beam at pavement edges only. End plate covers the entire wide flange beam.
3. Extend polyethylene foam to the sides and edges of the front part of the plate.



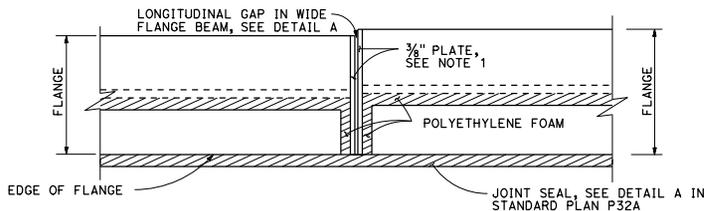
**(A) #5 @ 12"**



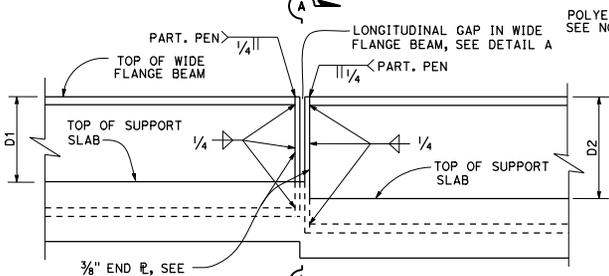
**(B) #5 @ 12"**



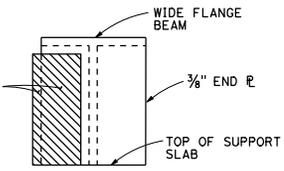
**(C) #4 @ 12"**



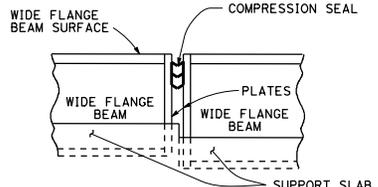
**PLAN**



**ELEVATION**



**SECTION A-A**



**DETAIL A**

**CONCRETE AND STEEL QUANTITIES**

ITEM	PAVEMENT THICKNESS							
	.75'	.80'	.85'	.90'	.95'	1.00'	1.05'	1.10'
WIDE FLANGE BEAM	CONCRETE	4.8 CY	4.8 CY	4.8 CY	4.8 CY	4.8 CY	4.8 CY	4.8 CY
TERMINAL SLAB	REINFORCING STEEL	552.0 LBS	552.2 LBS	552.4 LBS	552.6 LBS	552.8 LBS	553.0 LBS	553.1 LBS
Exp JOINT TYPE	CONCRETE	1.1 CY	1.1 CY	1.1 CY	1.1 CY	1.1 CY	1.1 CY	1.1 CY
	REINFORCING STEEL	99.9 LBS	99.9 LBS	100.2 LBS	100.5 LBS	100.8 LBS	101.1 LBS	101.6 LBS
WIDE FLANGE SUPPORT SLAB	STEEL BEAM (WEIGHT OF WIDE FLANGE BEAM AND STUDS)	43.0 LBS/LF +2 PLATES @ 14.9 LBS EA	69.51 LBS/LF +2 PLATES @ 14.9 LBS EA	90.51 LBS/LF +2 PLATES @ 18.5 LBS EA	90.51 LBS/LF +2 PLATES @ 18.5 LBS EA	98.51 LBS/LF +2 PLATES @ 22.0 LBS EA	98.51 LBS/LF +2 PLATES @ 22.0 LBS EA	98.51 LBS/LF +2 PLATES @ 22.0 LBS EA

TABLE OF BEAM SIZES					
PAVEMENT THICKNESS	WIDE FLANGE BEAM DESIGNATION	d <sub>b</sub>	b <sub>f</sub>	t <sub>f</sub>	t <sub>w</sub>
.75'	W14 x 43	13.70"	8.00"	0.53"	0.31"
.80'	W14 x 68	14.04"	10.04"	0.72"	0.42"
.85'	W16 x 89	16.75"	10.37"	0.88"	0.53"
.90'	W16 x 89	16.75"	10.37"	0.88"	0.53"
.95'	W18 x 97	18.59"	11.15"	0.87"	0.54"
1.00'	W18 x 97	18.59"	11.15"	0.87"	0.54"
1.05'	W18 x 97	18.59"	11.15"	0.87"	0.54"
1.10'	W18 x 97	18.59"	11.15"	0.87"	0.54"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CONTINUOUSLY REINFORCED  
 CONCRETE PAVEMENT  
 WIDE FLANGE BEAM TERMINALS**

NO SCALE

**P32B**