

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Florante E. Bautista*  
 REGISTERED CIVIL ENGINEER

April 20, 2012  
 PLANS APPROVAL DATE

No. CS4859  
 Exp. 6-30-12  
 CIVIL

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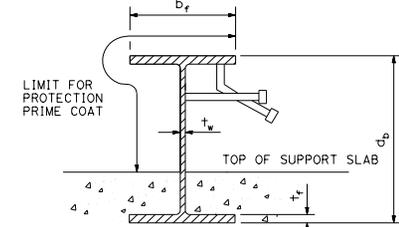
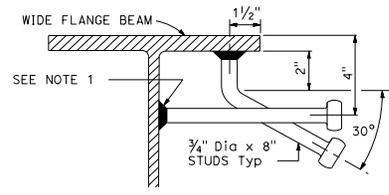
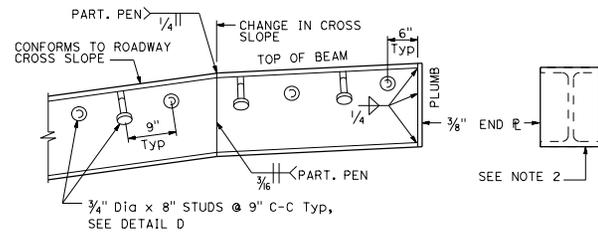
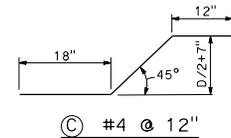
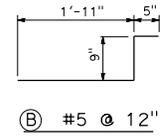
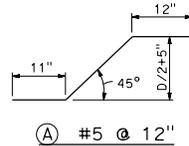
TO ACCOMPANY PLANS DATED \_\_\_\_\_

**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

**NOTES:**

1. Studs shall be electric arc end welded with complete fusion. Any stud which is dislodged in shipping or can be dislodged by hammer shall be replaced.
2. Weld 3/8" Plate to each end of wide flange beam at pavement edges only. End plate covers entire wide flange beam.



See "TABLE OF BEAM SIZES"

CONCRETE AND STEEL QUANTITIES							
ITEM	PAVEMENT THICKNESS						
	.80'	.85'	.90'	.95'	1.00'	1.05'	1.10'
WIDE FLANGE BEAM							
TERMINAL SLAB							
Exp JOINT TYPE							
WF SUPPORT SLAB							
CONCRETE	4.81 CY						
REINFORCING STEEL	552.2 LBS	552.4 LBS	552.6 LBS	552.8 LBS	553.0 LBS	553.1 LBS	553.3 LBS
CONCRETE	1.1 CY						
REINFORCING STEEL	99.9 LBS	100.2 LBS	100.5 LBS	100.8 LBS	101.1 LBS	101.1 LBS	101.6 LBS
STEEL BEAM (WEIGHT OF WIDE FLANGE BEAM AND STUDS)	69.51 LBS/LF +2 PLATES @ 14.87 LBS EA	90.51 LBS/LF +2 PLATES @ 18.46 LBS EA	90.51 LBS/LF +2 PLATES @ 18.46 LBS EA	98.51 LBS/LF +2 PLATES @ 22.01 LBS EA	98.51 LBS/LF +2 PLATES @ 22.01 LBS EA	98.51 LBS/LF +2 PLATES @ 22.01 LBS EA	98.51 LBS/LF +2 PLATES @ 22.01 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>
.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

RSP P32B DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN P32B  
DATED MAY 20, 2011 - PAGE 141 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP P32B**

2010 REVISED STANDARD PLAN RSP P32B