

STANDARD PLANS DATED JULY, 1999

A10A	ABBREVIATIONS
A10B	SYMBOLS
A35B	PORTLAND CEMENT CONCRETE PAVEMENT (DOWELED TRANSVERSE JOINTS)
A62C	LIMITS OF PAVEMENT FOR EXCAVATION AND BACKFILL BRIDGE
A77A	METAL BEAM GUARD RAILING - TYPICAL WOOD POST WITH WOOD BLOCK
A77B	METAL BEAM GUARD RAILING - STANDARD HARDWARE
A77C	METAL BEAM GUARD RAILING - WOOD POST AND WOOD BLOCK DETAILS
A77D	METAL BEAM GUARD RAILING - TYPICAL LAYOUTS
A77F	METAL BEAM GUARD RAILING - TYPICAL EMBANKMENT WIDENING FOR END TREATMENTS
A77J	GUARD RAILING CONNECTIONS TO BRIDGE RAILINGS, RETAINING WALLS AND ABUTMENTS
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-3	400 mm CAST-IN-DRILLED-HOLE CONCRETE PILE
B3-1	RETAINING WALL TYPE 1 H=1200 THROUGH 9100 mm
B3-8	RETAINING WALL DETAILS NO. 1
B3-9	RETAINING WALL DETAILS NO. 2
B7-1	BOX GIRDER DETAILS
B7-6	DECK DRAINS TYPES D-1 AND D-2
B7-10	UTILITY OPENING BOX GIRDER
B7-11	UTILITY DETAILS
B8-5	CAST-IN-PLACE PRESTRESSED GIRDER DETAILS
B11-51	TUBULAR HAND RAILING
B11-54	CONCRETE BARRIER TYPE 26
B14-5	WATER SUPPLY LINE (DETAILS) (PIPE SIZES LESS THAN NPS 4)
ES-9A	SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS, ELECTRICAL DETAILS, STRUCTURE INSTALLATIONS
ES-9B	SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS, ELECTRICAL DETAILS, STRUCTURE INSTALLATIONS
ES-9C	SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS, ELECTRICAL DETAILS, STRUCTURE INSTALLATIONS
ES-9D	SIGNAL, LIGHTING, AND ELECTRICAL SYSTEMS, ELECTRICAL DETAILS, STRUCTURE INSTALLATIONS

GENERAL NOTES  
LOAD FACTOR DESIGN:

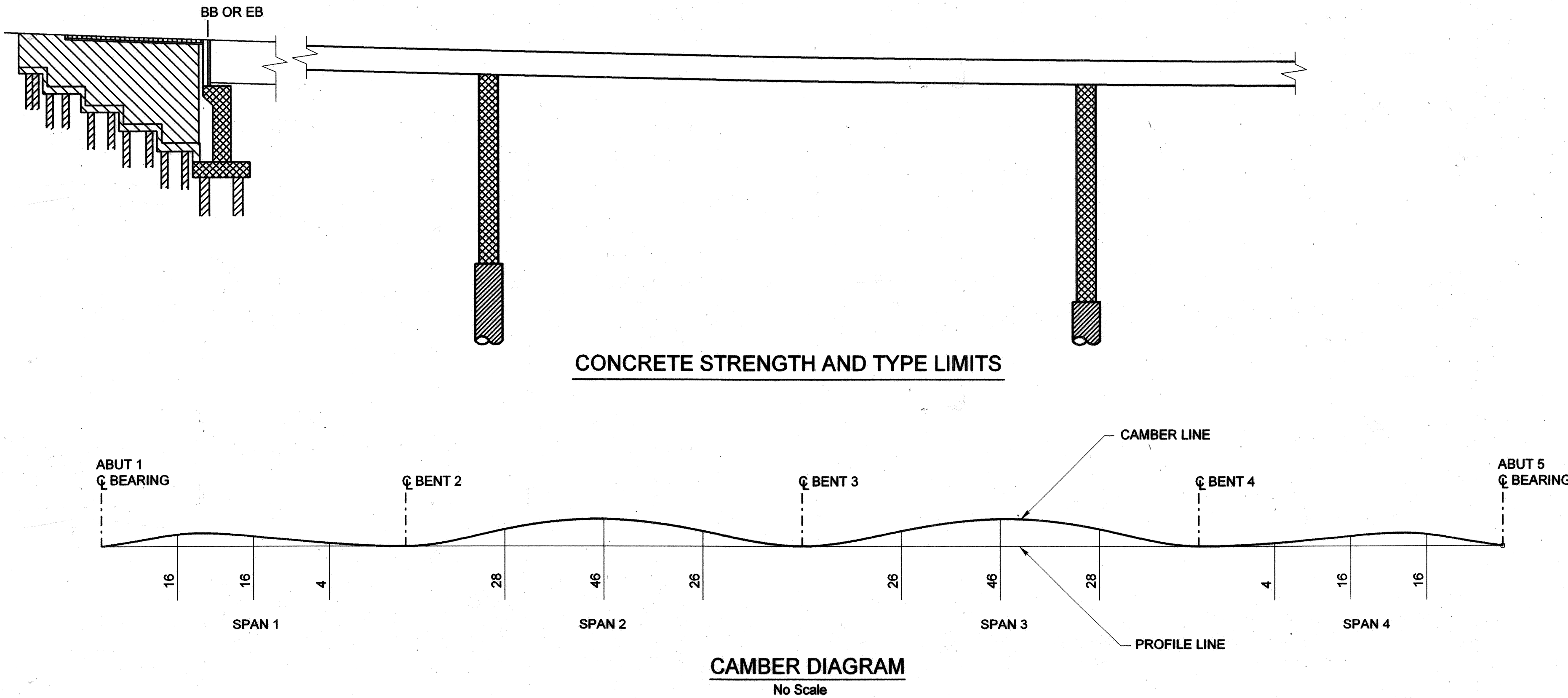
DESIGN:	BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO WITH INTERIM AND REVISIONS BY CALTRANS)
DEAD LOADING:	INCLUDES 1.675 KPa FOR FUTURE WEARING SURFACE
SEISMIC DESIGN:	CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 1.2, DECEMBER 2001
LIVE LOADING:	HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOADS
SEISMIC LOADING:	SDC ARS CURVE FOR SOIL PROFILE C ( $M=7.25 \pm 0.25$ ) PEAK ROCK ACCELERATION = 0.3 g
REINFORCED CONCRETE:	$f_y = 420$ MPa $f_c = 34.5$ MPa & 28 MPa AT 28 DAYS $n = 8 \text{ \& } 7$
PRESTRESSED CONCRETE:	TRANSVERSE DECK SLABS (WORKING STRESS DESIGN) $f_s = 138$ MPa $f_c = 8.3$ MPa $n = 10$  SEE "PRESTRESSING NOTES" ON "GIRDER LAYOUT NO. 2" SHEET.

INDEX TO BRIDGE PLANS

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25	FOUNDATION PLAN NO. 1
26	FOUNDATION PLAN NO. 2
27	ABUTMENT DETAILS NO. 1
28	ABUTMENT DETAILS NO. 2
29	ABUTMENT DETAILS NO. 3
30	ABUTMENT DETAILS NO. 4
31	ABUTMENT DETAILS NO. 5
32	PTFE/ELASTOMERIC BEARING DETAIL
33	BENT DETAILS NO. 1
34	BENT DETAILS NO. 2
35	COLUMN DETAILS
36	TYPICAL SECTION
37	GIRDER LAYOUT NO. 1
38	GIRDER LAYOUT NO. 2
39	MISCELLANEOUS DETAILS NO. 1
40	MISCELLANEOUS DETAILS NO. 2
41	JOINT SEAL ASSEMBLY DETAILS NO. 1 (MR=140)
42	JOINT SEAL ASSEMBLY DETAILS NO. 2 (MR=140)
43	DECK DRAIN DETAILS
44	ARCHITECTURAL BARRIER LAYOUT
45	ARCHITECTURAL BARRIER DETAILS NO. 1
46	ARCHITECTURAL BARRIER DETAILS NO. 2
47	ARCHITECTURAL BARRIER DETAILS NO. 3
48	SLOPE PAVING DETAILS - FULL SLOPE NO. 1
49	SLOPE PAVING DETAILS - FULL SLOPE NO. 2
50	STRUCTURE APPROACH DRAINAGE DETAILS
51	STRUCTURE APPROACH - TYPE N (9S)
52	LOG OF TEST BORINGS
53-55	AS BUILT LOG OF TEST BORINGS

LEGEND

	STRUCTURAL CONCRETE - BRIDGE ( $f_c = 34.5$ MPa)
	STRUCTURAL CONCRETE - BRIDGE & BRIDGE FOOTING ( $f_c = 28$ MPa)
	STRUCTURAL CONCRETE - APPROACH SLAB TYPE N (9S)
	400 mm, 610 mm OR 3510 mm CIDH CONCRETE PILE ( $f_c = 28$ MPa)
	STRUCTURAL CONCRETE - RETAINING WALL ( $f_c = 28$ MPa)

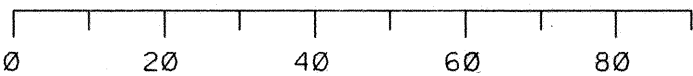


CONCRETE STRENGTH AND TYPE LIMITS

CAMBER DIAGRAM  
No Scale

NOTE:  
CAMBER LINE DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.

FOR REDUCED PLANS ORIGINAL  
SCALE IS IN MILLIMETERS



ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE

ORANGE COUNTY PUBLIC FACILITIES AND RESOURCES DEPARTMENT	
CROWN VALLEY PARKWAY BRIDGE (WIDENING) OVER ARROYO TRABUCO	
INDEX TO PLANS	
DESIGNED: H. YEE	SHEET 23 OF 55
DRAWN: R. DANLEY	CHECKED: J. SARAH
SCALE: AS SHOWN	DATE: MAY 01, 2003
DRAWING NO.	

MARK	DATE	DESCRIPTION
REVISIONS		
PREPARED UNDER RESPONSIBLE CHARGE OF:		
H. YEE		
NO. 54757		
EXP. 12/31/03		
DATE: 8/6/03		
HILTON L YEE		
CE 54757 EXP. 12-31-03		

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