

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE					
<small>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.</small>					
<small>THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.</small>					

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

DESIGN H	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'
W	7'-3"	7'-4"	8'-2"	8'-9"	9'-7"	10'-5"	11'-4"	12'-7"	13'-3"	14'-3"	15'-3"	16'-4"	17'-6"	18'-6"
C	2'-8"	2'-8"	2'-10"	3'-3"	3'-2"	3'-4"	3'-10"	4'-3"	4'-4"	4'-7"	4'-10"	5'-0"	5'-5"	5'-8"
B	4'-7"	4'-8"	5'-4"	5'-6"	6'-5"	7'-1"	7'-6"	8'-4"	8'-11"	9'-8"	10'-5"	11'-4"	12'-1"	12'-10"
F SPREAD FOOTING	1'-3"	1'-6"	1'-6"	1'-8"	1'-9"	1'-9"	2'-0"	2'-3"	2'-6"	2'-10"	3'-3"	3'-6"	3'-9"	4'-0"
STEM WITH HAUNCH, BATTER	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	5/8:12	5/8:12	5/8:12	3/4:12	3/4:12	7/8:12	1:12	1:12
STEM WITHOUT HAUNCH, BATTER	-	-	-	-	-	-	1/8:12	1/4:12	1/4:12	3/8:12	1/2:12	5/8:12	3/4:12	3/4:12
Ⓐ BARS	-	-	#7 @ 8	#7 @ 8	#6 @ 6	#6 @ 6	#6 @ 6	#6 @ 6	#7 @ 8	#7 @ 8	#7 @ 8	#7 @ 8	#7 @ 8	#7 @ 8
Ⓑ BARS	#6 @ 6	#6 @ 6	#8 @ 8	#9 @ 8	#8 @ 6	#8 @ 6	#9 @ 6	#9 @ 6	#8 @ 8 ♂	#9 @ 8 ♂	#9 @ 8 ♂	#9 @ 8 ♂	#10 @ 8 ♂	#10 @ 8 ♂
ha	-	-	-	-	-	-	-	-	12'-0"	12'-0"	14'-0"	14'-6"	14'-0"	16'-0"
hb	-	-	4'-0"	5'-0"	6'-0"	8'-0"	10'-0"	12'-0"	15'-0"	15'-0"	17'-0"	18'-6"	19'-6"	21'-0"
Ⓒ BARS	#5 @ 12	#5 @ 12	#5 @ 8	#6 @ 8	#7 @ 6	#7 @ 6	#7 @ 6	#7 @ 6	#9 @ 8	#10 @ 8	#10 @ 8	#9 @ 8 ♂	#9 @ 8 ♂	#10 @ 8 ♂
SER: B'(ft), q ₀ '(ksf)	7.2, 1.2	5.8, 1.9	6.4, 2.1	6.6, 2.3	7.1, 2.6	7.6, 2.9	8.4, 3.0	9.4, 3.2	9.5, 3.7	10.2, 4.0	10.7, 4.4	11.4, 4.8	12.4, 5.0	13.0, 5.3
STR: B'(ft), q ₀ (ksf)	6.9, 1.7	5.7, 2.5	6.2, 2.8	6.4, 3.1	6.8, 3.6	7.3, 3.9	7.9, 4.2	8.9, 4.4	8.9, 5.2	9.5, 5.7	9.9, 6.5	10.6, 7.0	11.5, 7.3	12.1, 7.9
EXT: B'(ft), q ₀ (ksf)	1.7, 4.8	2.4, 4.4	3.7, 3.5	4.2, 3.5	5.4, 4.0	5.7, 4.5	6.2, 5.0	7.1, 5.3	6.9, 6.4	7.3, 7.1	7.6, 8.0	8.0, 8.7	8.7, 9.2	9.1, 9.9

LEGEND:
SER: service limit state
STR: strength limit state
EXT: extreme event limit state
B': effective footing width (ft)
q₀': net bearing stress (ksf)
q₀: gross uniform bearing stress (ksf)
♂: 2 bar bundle

BRIDGE STANDARD DETAILS		<small>The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California</small>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	X			
xs14-220-2 <small>FILE NO.</small>	April 2022 <small>APPROVAL DATE</small>				XX-XXXX <small>POST MILE</small>		RETAINING WALL TYPE 1SWB-DETAILS No.2		
<small>Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html</small>			DATE PLOTTED => 8-MAR-2022 TIME PLOTTED => 10:37 <small>FILE => 20220308_xs14-220-2.dgn USERNAME => s148360</small>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1	COUNTY/ROUTE: XXX/XXX CONTRACT No.: XX-XXXXX4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 01/10/22 02/24/22 03/08/22	SHEET OF X X