

DETAIL A - WITH HAUNCH

For Details not shown, see "DETAIL A - WITHOUT HAUNCH"

NO SCALE

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DESIGN DATA

	<u>DESIGN</u>	DATA						
		SHTO LRFD Bridge Design Specifications, n edition with California Amendments						
T = 1 OF WA		psf on Sound wall and Barrier						
GHT		ied surcharge on level ground surface						
	dis	kip maximum traffic impact loading evenly tributed over 10 feet at top of the barrier d 1:1 distribution down and outward						
	EQE: Mor Kh Kv	nonabe-Okabe Method = 0.3 = 0.0						
	Soil:	$\emptyset = 34^{\circ}$ $\gamma = 120 \text{ pcf}$						
	Reinforced Concrete:	f'c = 3600 psi fy = 60,000 psi						
	Load Combi	nations and Limit States						
	Service I	Q=1.00DC+1.00EV+1.00EH+1.00LS+0.30WS						
	Service II	Q=1.00DC+1.00EV+1.00EH+1.00WS						
	Strength I	Q=aDC+BEV+1.50EH+1.75LS						
to er	Strength I	II Q=aDC+βEV+1.50EH+1.40WS						
	Strength V	Q=aDC+BEV+1.50EH+1.35LS+0.40WS						
	Extreme I	Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE						
	Extreme II	Q=1.00DC+1.00EV+1.00EH+1.00CT						
	a: B: DC: EV: LS: EQE EQD WS: CT:							
NOT E	ES:							
	All piles are class 90							
	Pile batter shown are							
3.	Minimum distance betw and edge of footing i	s 1'-6".						
4.	Lateral resistance of each pile: 30 kip for strength limit states. 40 kip for extreme limit states. Pile group reduction factors are not applied, unless soil passive resistance on footing is included.							
5.	Maximum spacing between piles is shown in the table. Reduce to suit the length of footing. #5 @							
6.	Minimum distance between any two piles is 3'-0". Reduce to suit the length of footing.							
7.	For sound wall and retaining wall architectural finish or texture, see details elsewhere in Project Plans.							
8.	For details not shown and drainage notes, see $B3-5$. Substitution of geocomposite drain for pervious backfill material is not permitted.							
9.	Footing cover, 2'-0" m	inimum.						
10.	For sound wall and rei WALL - MASONRY BLOCK WALL'' sheets.	nforcement see "SOUND WITH BARRIER ON RETAINING						
11.	For H=6′ through 14′, e Barrier for stem with	extend (D) bar into 1 haunch.						

	Barrier for stem with haunch.											
BRIDGE STANDARD DETAILS							STATE OF		BRIDGE NO.			
xs14-410-1	0.1.1	The components of the Bridge Standard Details have been prepared under the	1				CALIFORNIA	DIVISION OF				
	October 2014	responsible charge of the Technical Owner, a registered civil engineer in the State of California						ENGINEERING SERVICES	POST MILE			
FILE NO.	APPROVAL DATE	of California					DEPARTMENT OF TRANSPORTATION					
sheets (index html			FILE => xs14-410-1.dgn			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT:	•			
			USERNAME => s136236	TIME PLOTTED => 10:39	DATE PLOTTED => 18-JUL-2016	FOR REDUCED PLANS	0 1 2 3	PROJECT NUMBER & PHASE:	CONTRA			

BACKFACE

