

DETAIL A - WITH HAUNCH

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

NO SCALE

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## DESIGN DATA

		Design:	AASHTC 4th ec	) LRFD Bridge Design Specifications, dition with California Amendments							
	2	WS:	33 psf	on Sound wall and Barrier							
JF ₩≠ GHT	ALL	LS:	Varied	I surcharge on level ground surface							
		СТ:	54 kip distri and 1:	) maximum traffic impact loading even buted over 10 feet at top of the barr 1 distribution down and outward	ly rier						
		EQE:	Monond	abe-Okabe Method							
			$K_h = K_V =$	= 0.3 = 0.0							
		Soil:	e v	Ø = 34° V = 120 pcf							
		Reinfor Concret	ced e: f'c fy	e = 3600 psi = 60,000 psi							
		Load Co	mbinat	ions and Limit States							
		Service	Ι	Q=1.00DC+1.00EV+1.00EH+1.00LS+0.30WS							
		Service	II	Q=1.00DC+1.00EV+1.00EH+1.00WS							
		Strengt	hΙ	Q=aDC+BEV+1.50EH+1.75LS							
+0		Strengt	h III	Q=aDC+BEV+1.50EH+1.40WS							
r		Strenat	h V	Q=qDC+BEV+1.50EH+1.35LS+0.40WS							
		Extreme	e I	Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE	Ξ						
		Extreme	II	Q=1.00DC+1.00EV+1.00EH+1.00CT							
		Where:	0• Ec	orce Effects							
			B: 1. DC: De EV: Ve LS: Li EQE: Se EQD: Sc WS: Wi CT: Ve	.35 or 1.00, which ever Controls Design ead Load of Structure Components ertical Earth Fill Pressure ive Load Surcharge eismic Earth Pressure oil and Structure Components Inertia. oil inertia ignored for stem design ind Load on Sound wall and Barrier ehicular Collision Force	1						
NOTE 1	ES: All pilos d	ro class	90	poroto pilos							
2	Pilo batto		90 COI								
۷. ۲	Minimum di	stance b		e contor pilo							
J.	and edge o	of footin	g is 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.										
6.	Minimum di is 3'-0". F of footing	stance b Reduce to •	etween s suit	any two piles	<u> </u>						
7.	For sound architectu see details	ound wall and retaining wall tectural finish or texture, letails elsewhere in Project Plans.									
8.	For details Substitution pervious b	s not sh on of ge ackfill m	own and ocompo: iateria	d drainage notes, see B3-5 site drain for I is not permitted.	2,~						
9.	Footing co	ver, 2'-0	" minim	num.							
10.	For sound WALL - MAS WALL'' shee	wall and SONRY BLC ets.	reinfo DCK WITH	prcement see "SOUND H BARRIER ON RETAINING							
11.	For H=6' th	rough 14	l', exte	end () bar into							

			Barrier for stell with haulth.								
BRIDGE STANDARD DETAILS							ST	ATE OF			BRIDGE
xe14-410-1	October 2014	The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner,								DIVISION OF	
<u></u>			,							ENGINEERING SERVIC	POST MI
FILE NO.	APPROVAL DATE	of California					DEPARTMENT	OF TRANSPOR	TATION		
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail- sheets/index.html			FILE => xs14-410-1.dgn			ORIGINAL SCALE IN INCHES				UNIT:	
			USERNAME => s136236	TIME PLOTTED => 10:39	DATE PLOTTED => 18-JUL-2016	FOR REDUCED PLANS	0 1	2	3	PROJECT NUMBER & PHASE:	CONT

BACKFACE

