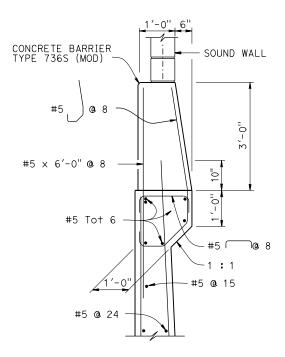
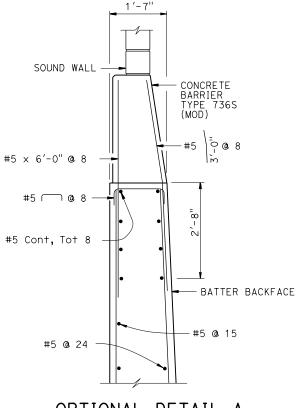


NOTES:

"ha" and "hb" above b bars indicate distance from top of footing to upper end of b bars, see table. "S" is b bar spacing, see table. X indicates 2 bar bundle.



DETAIL A $\frac{3}{4}'' = 1' - 0''$



OPTIONAL DETAIL A $\frac{3}{4}'' = 1' - 0''$

For details not shown, see "DETAIL A"

WS: LS: CT:

EQE:

Soil:

Reinforced Concrete:

Service I Service II

Strength III Strength V Extreme I

Where:

DIVISION OF		
	BRIDGE NO.	

Xs14-370-2 October 2014 Inte components of the Bridge Standard Defails have been prepared under the or golistered civil engineer in the State Division OF Post Mile FILE NO. October 2014 Approval Date The components of the Bridge Standard of California Post Mile Post Mile Refer to: http://www.dot.ca.gov/hg/esc/techpubs/manual/bridge-standard-detail- sheets/index.html FILE => xs14-370-2.0gn USERNAME => s136236 FILE => 10:46 Date PloTED => 18-JUL-2016 ORIGINAL SCALE IN INCHES FOR REDUCEO PLANS UNIT: PROJECT NUMBER & PHASE: CONTRACT NO.:	BR	IDGE STANDAF	RD DETAILS			S	TATE	OF				BRIDGE NO.	
FILE NO. APPROVAL DATE I registered civil engineer in the state Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridge-standard-detail- FILE => xs14-370-2.dgn	xs14-370-2	October 2014	Details have been prepared under the			CAL	IFO	RNI	Δ				
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail- FILE => xs14-370-2.dgn		APPROVAL DATE	responsible charge of the Technical Owner, a registered civil engineer in the State							ENGINEERING S	ERVICES	POST MILE	RET
	Refer to: http://www.dot.c sheets/index.html			TIME PLOTTED => 10:46	DATE PLOTTED => 18-JUL-2016	0 1	1	2		UNIT:	:	CONTRACT	

I	DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS			
l									
	REGISTERED CIVIL ENGINEER DATE								
The State of California or its officers or agents shall not be responsible for the accuracy of completeness of scanned copies of this plan sheet.									
l	The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.								

DESIGN DATA

```
Design: AASHTO LRFD Bridge Design Specifications
4th edition with California Amendments
               33 psf on sound wall and barrier
               Varied surcharge on level ground surface
               54 kip maximum traffic impact loading evenly
distributed over 10 feet at top of the barrier
and 1:1 distribution down and outward
               Mononabe-Okabe Method
               Kh
                      = 0.3
               Κv
                       = 0.0
                         \emptyset = 34^{\circ}
                         \gamma = 120 \text{ pcf}
                      f'c = 3600 psi
fy = 60,000 psi
Load Combinations and Limit States
                         Q=1.00DC+1.00EV+1.00EH+1.00LS+0.30WS
                         Q=1.00DC+1.00EV+1.00EH+1.00WS
                         \ensuremath{\texttt{Q}=aDC+BEV+1.50EH+1.75LS}\ensuremath{\texttt{Q}=1.25DC+1.35EV+0.90EH+1.75LS}\xspace (for piles at heel)
Strength I
                         Q=aDC+BEV+1.50EH+1.40WS
                         Q=aDC+BEV+1.50EH+1.35LS+0.40WS
                         Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE
Extreme II
                         Q=1.00DC+1.00EV+1.00EH+1.00CT
       0: Force Effects

a: 1.25 or 0.90, Which ever Controls Design

B: 1.35 or 1.00, which ever Controls Design

DC: Dead Load of Structure Components

EV: Vertical Earth Fill Pressure

LS: Live Load Surcharge

EQE: Seismic Earth Pressure

EQD: Soil and Structure Components Inertia.

Soil inertia ignored for stem design

WS: Wind Load on Sound Wall and Barrier

CT: Vehicular Collision Force
                E
                      RETAINING WALL TYPE 5SWBP-DETAILS No. 2
```

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

19-14 8-6-14 7-14-16

SHEET OF