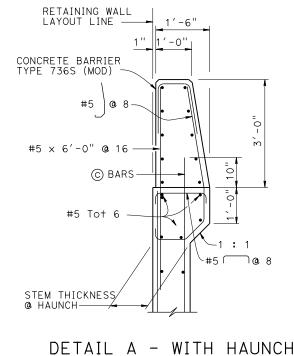
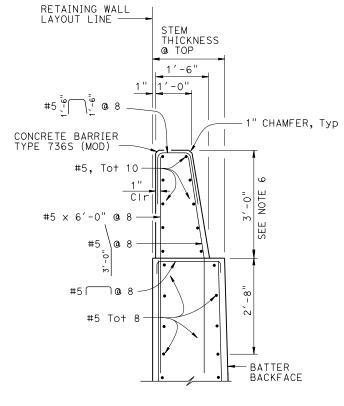


NOTE:

"hb", "hsc", "hc", "hd" and "he" above bars indicate distance from top of footing to upper end of the bars, see table.



 $\frac{3}{4} = 1' - 0''$ For Details not shown, see "DETAIL A - WITHOUT HAUNCH"



DETAIL A - WITHOUT HAUNCH $\frac{3}{4} = 1' - 0'$

DESIGN DATA

Design:	AASHTO LRFD Bridge Design Specifications, 4th edition with California Amendments
LS:	Varied surcharge on level ground surface
СТ:	54 kip maximum traffic impact loading edistributed over 10 feet at top of the band 1:1 distribution down and outward
EQE:	Mononabe-Okabe Method $K_h = 0.2$ $K_V = 0.0$
Soil:	Ø = 34° Y = 120 pcf
Reinford Concret	ced e: f'c = 3600 psi fy = 60,000 psi
Load Co	mbinations and Limit States
Service	I Q=1.00DC+1.00EV+1.00EH+1.00LS+Td
Strengt	h I Q=aDC+BEV+1.50EH+1.75LS+Td
Extreme	I Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00
Extreme	II Q=1.00DC+1.00EV+1.00EH+1.00CT+Td
	Q: Force Effects a: 1.25 or 0.90, Which ever Controls Des B: 1.35 or 1.00, which ever Controls Des DC: Dead Load of Structure Components

3:	1.35 or 1.00, which ever Controls Des
)C:	Dead Load of Structure Components
V	Vertical Earth Fill Pressure
S	Live Load Surcharge
QE:	Seismic Earth Pressure
QD:	Soil and Structure Components Inertic
	Soil inertia ignored for stem design

7776

#5 @ 12

() BARS

- CT: Vehicular Collision Force Td: Anchor Design Load

NOTES:

- For Retaining wall Architectural finish or texture see Details elsewhere in Project Plans.
- 2. For details not shown and drainage notes, see (B3-5)Substitution of geocomposite drain for pervious backfill material is not permitted.
- 3. Footing cover, 2'-0" minimum.
- For H=6' through 10', extend © bars into Barrier for stem with haunch.
- 5. Shift © bars, @ bars and @ bars as required to clear formed hole for ground anchor.
- Dimensions may vary with roadway cross slope and with certain thickness of surfacing. See Project Plans.
- 7. Footing is designed to resist 1.33 Td assuming the maximum anchor spacing shown in the table.
- 8. Provide #6 @ 12" X 16'-0" @ bar over a distance of 8'-0" measured from all expansion joints begin wall and end wall locations. For H≤14' hook @ bar into footing and reduce bar length as needed to maintain Min Clr cover.

BRIDGE STANDARD DETAILS STATE OF BRIDGE NO. **DIVISION OF** 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 CALIFORNIA xs14-375-1 October 2014 POST MILE ENGINEERING SERVICES FILE NO. APPROVAL DATE DEPARTMENT OF TRANSPORTATION Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail sheets/index.html FILE => xs14-375-1.dgn UNIT: ORIGINAL SCALE IN INCHES FOR REDUCED PLANS USERNAME => s136236 TIME PLOTTED => 10:46 DATE PLOTTED => 18-JUL-2016 PROJECT NUMBER & PHASE:

