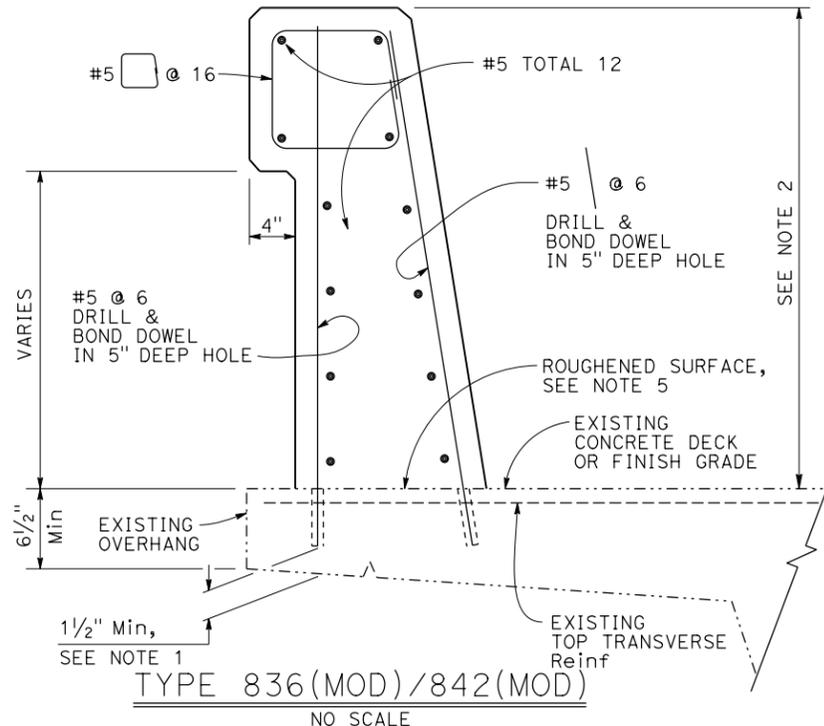
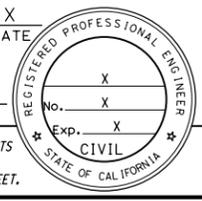


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
			X	DATE	
REGISTERED CIVIL ENGINEER					
PLANS APPROVAL DATE					
<p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p> <p>THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.</p>					



NOTE: Overhang Bridge Deck shown, Slab Bridge Deck similar.

DESIGN NOTES:

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments

CT: 54 kip maximum traffic impact distributed over "Lt" = 3.5 feet at the top of the barrier, which results in the following values for "Lc" at the deck overhang:

	Interior Segment**	Near Joint Segment***
TYPE 836	15.0 Feet	6.7 Feet
TYPE 842	15.7 Feet	6.9 Feet

Load Combinations and "Lc" given for barrier attachments to existing bridge overhang only.

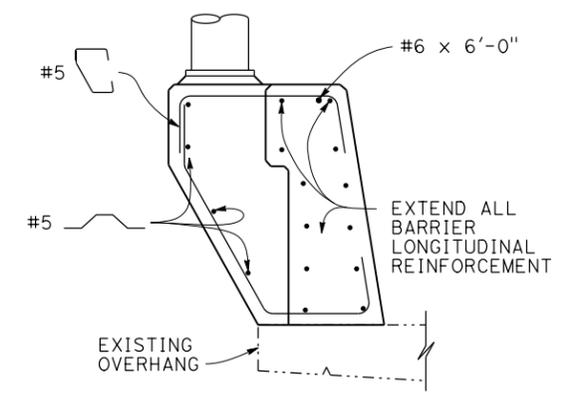
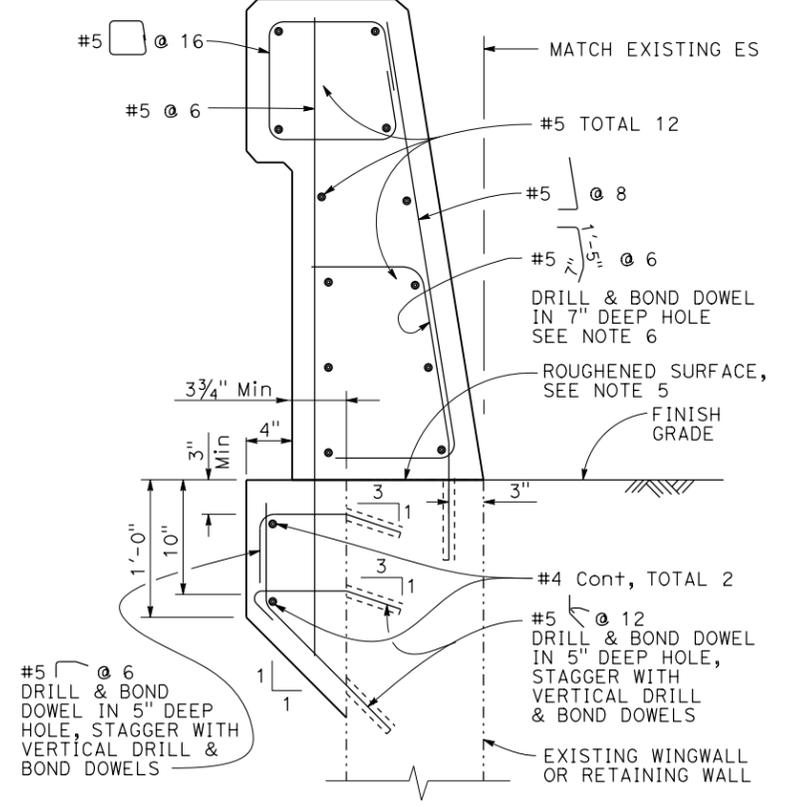
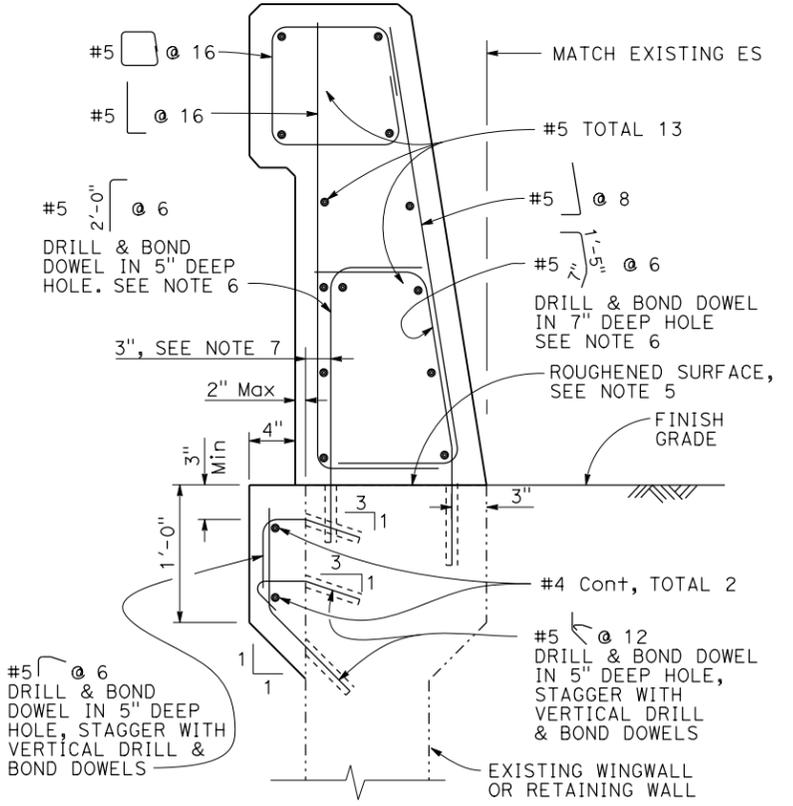
** Typical Segment at least "Lc" away from End Segment, *** Near Joint Segment within "Lc" from deck joint.

Load Combinations:
Extreme II Q=1.00DC+1.00CT

Where:

Q: Force Effects
DC: Dead Load of Structure Components
CT: Vehicular Collision Force
IM: Vehicular Dynamic Load Allowance

- NOTES:
- Avoid existing reinforcement when drilling.
 - For details not shown, see RSP B11-79, RSP B11-80, RSP B11-81 & RSP B11-82. Dimensions may vary with roadway cross slope and with certain thicknesses of surfacing. See ROADWAY PLANS.
 - Clearance to reinforcing steel in barrier shall be 2", except as noted. Longitudinal reinforcement shall stop at all expansion joints.
 - For typical metal railing connection details not shown, see STANDARD PLANS A77U1 and A77U2.
 - Roughen existing bridge deck surface before casting new concrete against existing concrete.
 - Corbel shall be placed and cured before barrier drill and bond installation.
 - 3" may be increased to maintain 2" cover.
 - Type 836B/842B cannot be retrofitted onto the existing trench footings for Type 732B/736B/742B unless the footing was constructed per July 15, 2016 Revised Standard Plans or later. Type 836B/842B must be minimum length 40ft.
 - Concrete Barrier Type 842(MOD) shown in each detail, Concrete Barrier Type 836(MOD) details similar.



NOTE: Not all reinforcement shown for clarity.

PEDESTAL ELEVATION

NO SCALE

NOTE TO DESIGNER: (remove this note before printing)
See user guide for more information