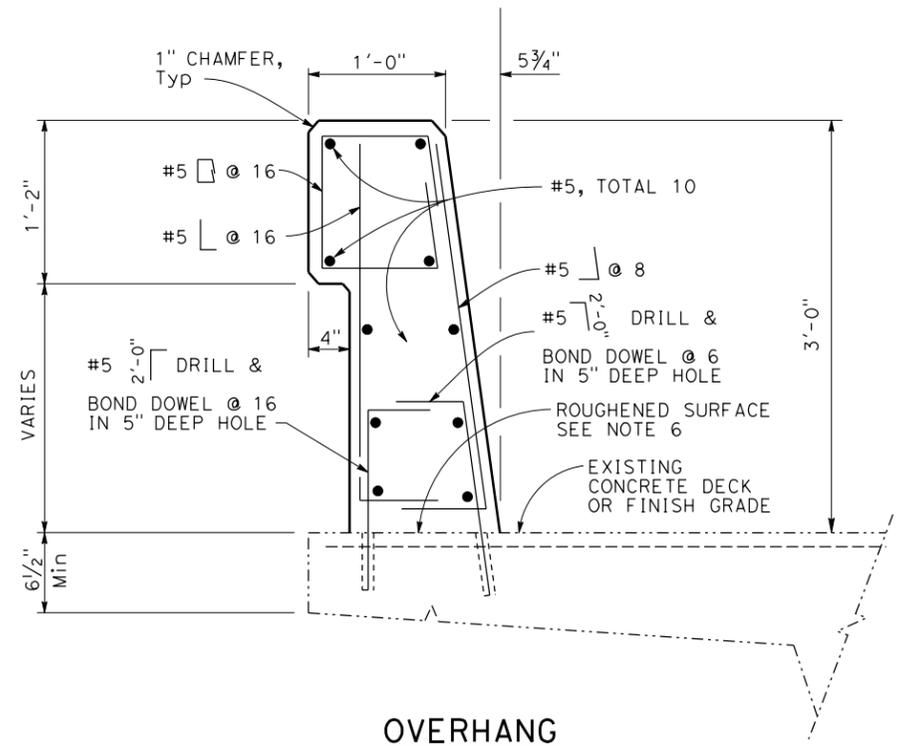


| DIST | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET No. | TOTAL SHEETS |
|------|--------|-------|--------------------------|-----------|--------------|
| X | X | X | X | X | X |

| | | |
|---------------------------|---|------|
| REGISTERED CIVIL ENGINEER | X | DATE |
| PLANS APPROVAL DATE | | |

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.



OVERHANG
NO SCALE

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

- NOTES:**
- Avoid existing reinforcement when drilling.
 - Dimensions may vary with roadway cross slope and with certain thickness of surfacing. See Project Plans.
 - Clearance to reinforcing steel in barrier to be 1", except as noted. Longitudinal reinforcement to stop at all expansion joints.
 - For typical metal railing connection details not shown, see Standard Plans A77J1 and A77J2.
 - See Standard Plans ES-9A, ES-9B, ES-9C, ES-9D and ES-9E for electrical details. The maximum number of conduits in the barrier is limited to two 2" conduits along with one 3" conduit. When a 3" conduit is used, it is restricted to the base of the barrier.
 - Roughen existing bridge deck surface before casting new concrete against existing concrete.
 - Taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam rail element. Special design might be needed for nontypical situation.

- For electrolier mounting details, see Standard Plans ES-6A and ES-6B.
- Corbel shall be placed and cured before barrier drill and bond installation.

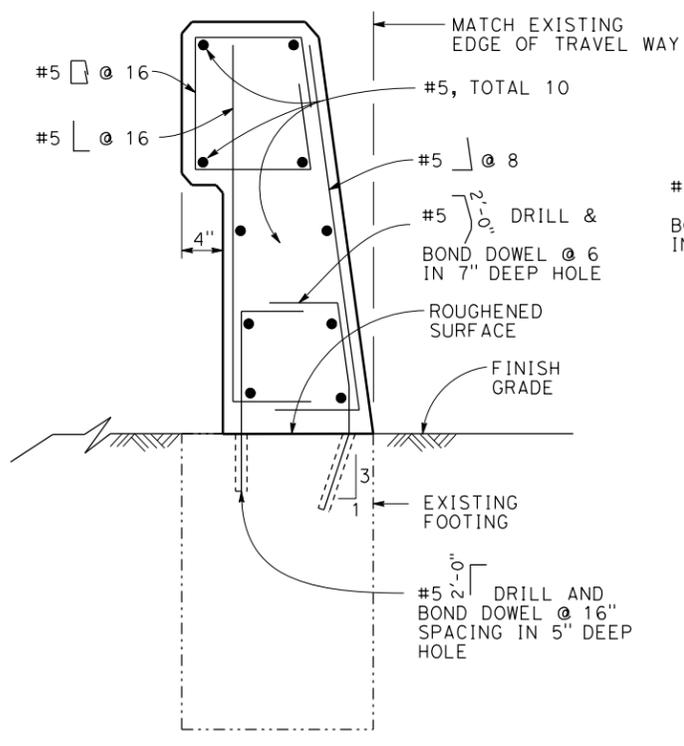
DESIGN NOTES:

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments

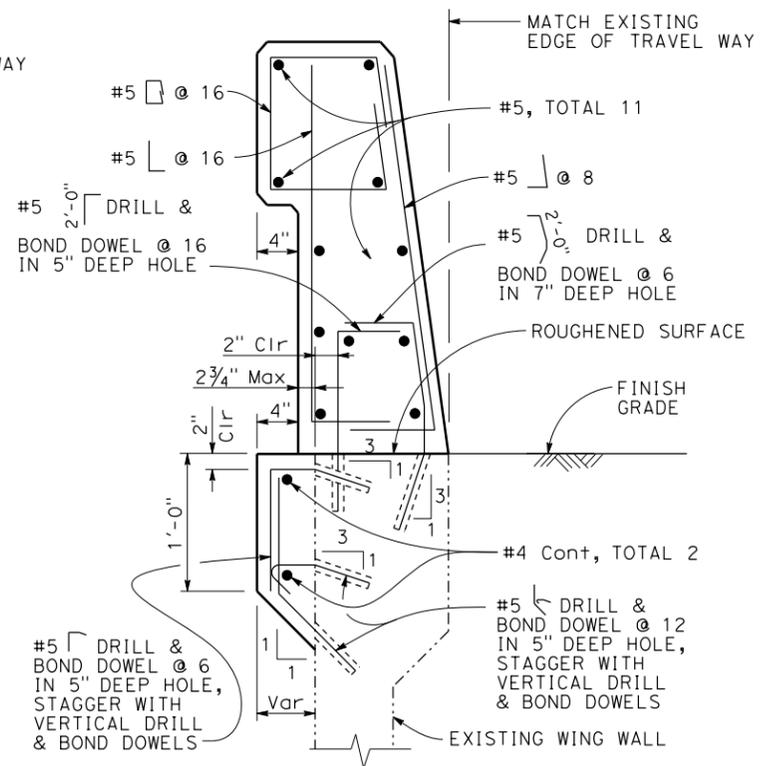
CT: 54 kip maximum traffic impact loading evenly distributed over 10 feet at top of the barrier and 1:1 distribution down and outward

Reinforced Concrete:

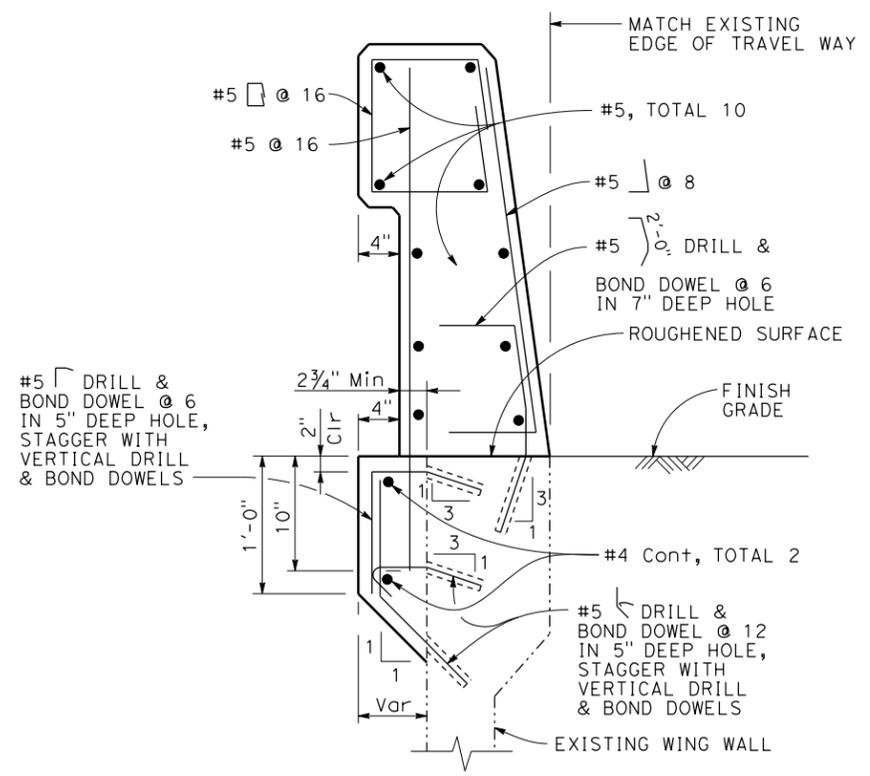
| | |
|---------------|-----------------|
| New | Existing |
| f'c = 3.6 Ksi | f'c = 3.6 Ksi |
| fy = 60 Ksi | fy = 60 Ksi |



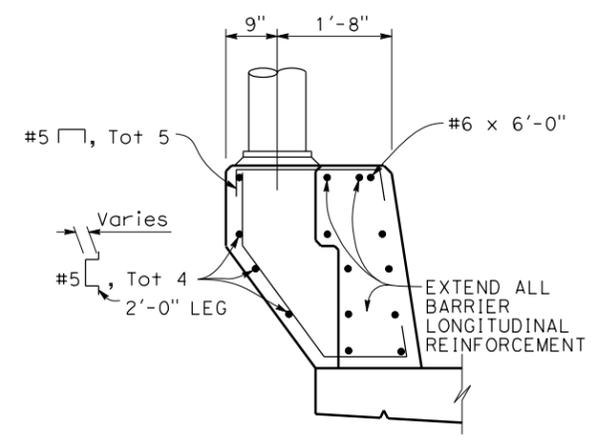
TYPE 736B
NO SCALE



TYPE 736A, OPTION 1
NO SCALE



TYPE 736A, OPTION 2
NO SCALE



PEDESTAL ELEVATION
NO SCALE

| | |
|--------------------------|-----------------------------------|
| STANDARD DRAWING | |
| FILE NO. xs16-045 | APPROVAL DATE <u>October 2014</u> |

| | |
|---|----------------------------------|
| STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION | DIVISION OF ENGINEERING SERVICES |
|---|----------------------------------|

| | |
|--------------|---|
| BRIDGE NO. X | CONCRETE BARRIER TYPE 736 RETROFIT ON EXISTING BRIDGE DECK AND WING WALL |
| POST MILE X | |