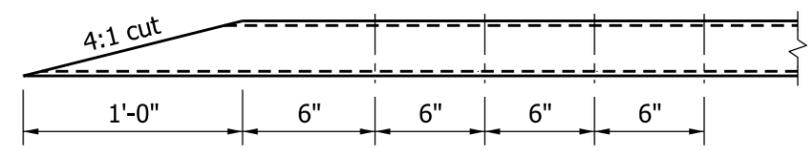


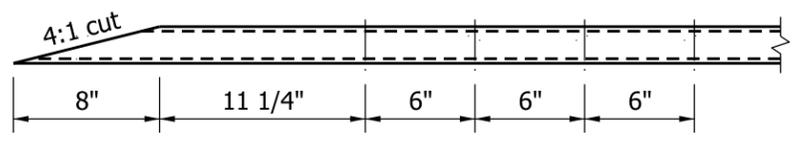
4 - 3/4" ϕ x 1'-2" length round head bolts in 7/8" ϕ holes (top rail). Holes are to be slotted as required for expansion.

4 - 3/16" ϕ x 1'-0" length round head bolts in 1/4" ϕ holes (bottom rail). Holes are to be slotted as required for expansion.

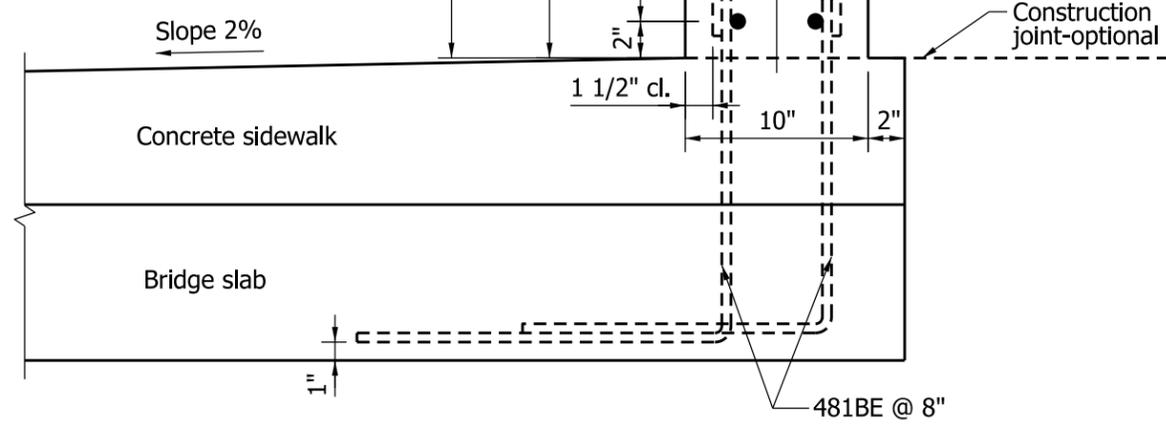
* Field measure distance to holes on concrete transition.



TOP VIEW
(Plan view of top rail)



TOP VIEW
(Plan view of bottom rail)



TYPICAL SECTION

ELEVATION

NOTES

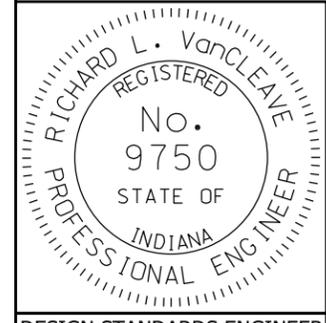
- All chamfered edges shall be 1".
- Intermediate railing splices shall be placed every 20'-0" with center of connection at span quarter points.
- See Standard Drawing E 706-BRPP-05 for railing tube details and inner sleeve details.
- See Standard Drawing E 706-BRPP-06 for base plate detail and reinforcing steel bar bends.
- See Standard Drawing E 706-TTBP-05 and -06 for Concrete Bridge Transition, TPS-1.
- See Standard Drawing E 703-BRST-01 for standard 180° bar bending details.
- All reinforcing bars designated "E" shall be epoxy coated.
- Reinforcing steel in sidewalk shall match that shown on the bridge plans.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, PS-1

SEPTEMBER 2010

STANDARD DRAWING NO. E 706-BRPP-03



/s/ Richard L. VanCleave 09/01/10
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/10
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER