

PIER PROTECTION SYSTEM

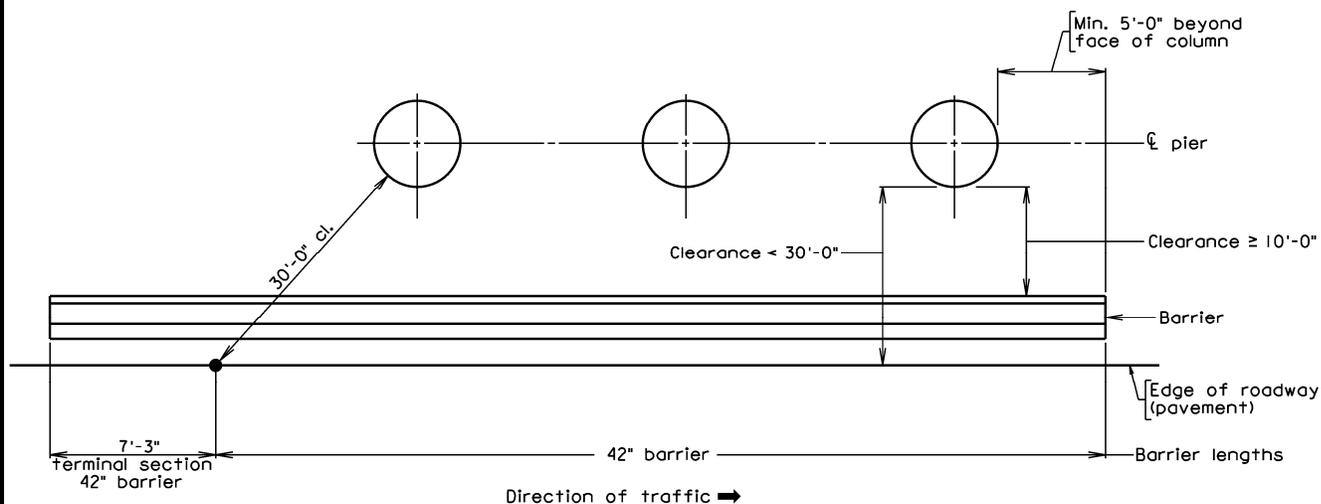
NOTES TO DESIGNER:

Standard to be used for pier protection when the clearance between the pier column(s) or pier stem and the edge of roadway (pavement) is less than 30'-0", the pier is not designed for collision nor exempt and the clearance between the pier column(s) or pier stem and back of the barrier footing is greater than or equal to 10'-0".

Designer shall coordinate with roadway designer for barrier termination at the run-on end (guardrail, impact attenuator, etc.). The terminal section is detailed to accommodate guardrail attachment GR-FOA-2.

Reference to barrier height is for portion above ground line. The standard indicates 3" of barrier below ground line to top of 2'-0" x 2'-0" footing.

Barrier shall extend a minimum of 5'-0" beyond the face of the pier column/stem.



See Manual of the Structure and Bridge Division, Volume V - Part 2, Chapter 15: Pier Details, for additional guidance, detailing requirements and examples.

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

PLAN:

Add required dimensions, If project is "bridge only" add sheet number for details at end of barrier (run-on side).

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD (cont'd):

ELEVATION:

Add dimension for length of barrier. Use 6" multiples for barrier length(s). Add elevations.

LAYOUT OF BARRIER FOR PIER PROTECTION:

Show plan view of pier column(s) or pier stem. Show tie point for intersection of CL pier and CL bridge such that the Contractor can lay out the footing for the Pier Protection System (location, orientation, etc.). The CL pier may not be parallel to the roadway. Show distance from face of barrier curb to CL pier. Show terminal section (42" high barrier) and 42" high barrier section.