

5210403 CONCRETE BARRIERS, TRAFFIC RAILING BARRIERS AND PARAPETS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

D4 Construction

Comments: (10-31-12)

D4 Const. has the following comments: "cover tolerance is plus or minus 1-1/4 inches" This tolerance does not seem to be workable. If required cover is 2", we would fall back to the 1-3/4" minimum mentioned later. Are there cases we could live with this large of a tolerance?

Response: Yes, please note this is only for slip-formed construction. Traffic railing design and testing is performed with a 2" cover. Standard cast-in-place traffic railings are detailed with a 3" of cover which allows 1" slip-forming tolerance. Additionally, the tolerance for reinforcing placement is plus or minus 1/4"; therefore, 1-1/4" is the minimum construction tolerance, and 1-3/4" would be the minimum cover.

Added "as constructed" to document to clarify intent.
