

4150510 Reinforcing Steel  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Keith Waugh

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Comments: (8-24-11) DCE Memo 11-11 allows uncoated slab bolsters with runners on s.i.p. forms (except extremely aggressive). 415-5.13.2 uses the term "boundary surfaces" as requiring plastic or plastic coated supports. I know I'm dating myself, but when the word "boundary" was added in the '80's it was specifically intended to include the bottom of the deck on s.i.p. forms. So, I think they need to remove "boundary surfaces" and add a reference to "removable forms".

Response: Agree: will change.

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**Ghulam Mujtaba, P.E.,**

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Comments: (8-24-11) In 415-5.10.1 (a) of the proposed specification the word "elevation" has to be added to read "above mean high water elevation". Currently the proposed changes read:

**Do not use metal chairs and bolsters on stay-in-place forms when the form bottom is 12 feet or less above mean high water and the environmental classification is extremely aggressive.**

I recommend rewording of the above sentence as follows:

**In the extremely aggressive environment, do not use metal chairs and bolsters on stay-in-place form when the bottom of the form is located within 12 feet above mean high water elevation.**

Response: Agree: will change. These sentences were added to allow steel bolster rails to be in contact with removable forms if the environment is SA which is most often the case. When it is not SA then continuous plastic high chairs which do not have rails may be used which will be required for all bidders so no one will be favored. The molded plastic rails are not permitted because they are too thick which would make for an unsightly concrete surface and which impedes the flow of concrete.

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Comments: (10-13-11) Subarticle 415-5.10.1 (a): Change "above mean high water" to "above mean high water elevation".

Response: Agree: will change.

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**Ed Petersen, CPM**

D5 Leesburg Operations

Comments: (10-27-11) **415-5.13.2 Metal Bar Supports:** For metal bar supports in contact with steel stay-in-place forms and metal bar supports in contact with boundary surfaces of concrete to be cast, provide supports constructed with molded plastic legs or plastic protected steel legs or bolster rails. Do not allow any portion of the bar support other than the molded plastic leg or plastic

protected portion of the steel leg or bolster rail to be closer than 1/2 inch from the boundary surface of concrete to be cast.

**To me the first part of this paragraph says the legs as long as they are plastic or plastic protected can be adjacent to the boundry surfaces. The second sentence requires 1/2" clearance. Please clarify.**

Response: Disagree: paragraph is clear as written since it says that only those portions of the bar support that are protected from corrosion can be closer than 1/2" to the form surface.

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