5600204 COATING NEW STRUCTURAL STEEL
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Trey Tillander
414-4140

Comment: (10-3-12)
Regarding "Alternatively, any electronic conductivity meter approved for use by the State Materials Office (SMO) may be used." - how will the Contractor know which meters are approved? Does SMO have a published list?

Response:

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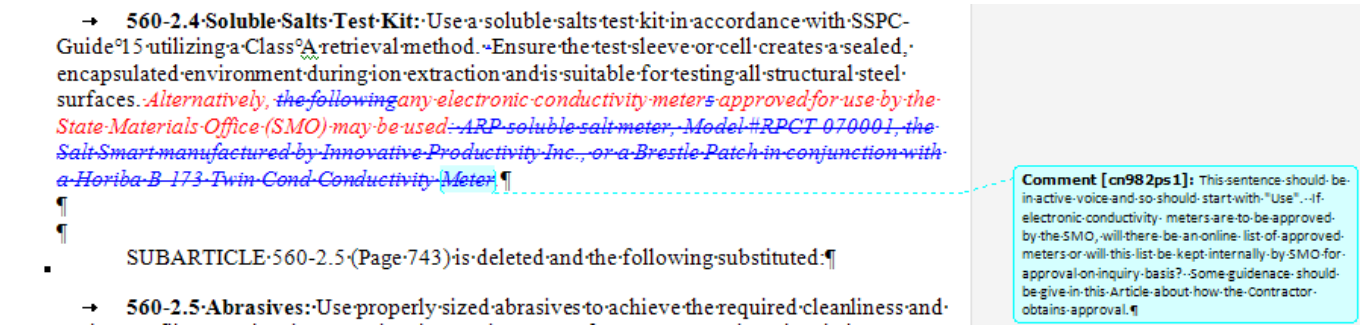
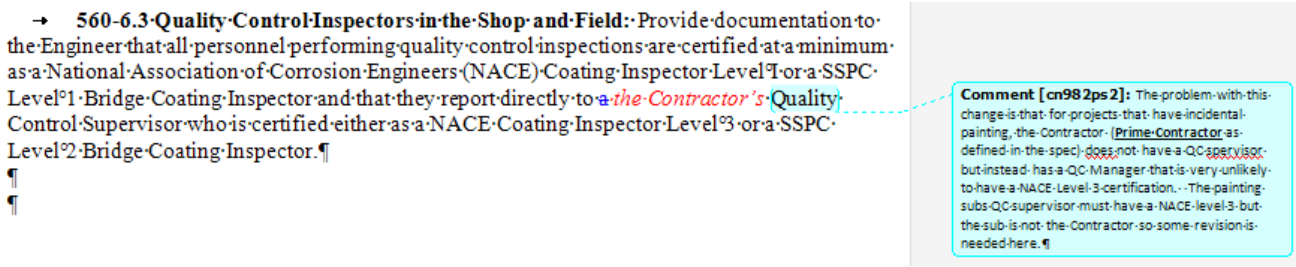
Rudy Powell
414-4280

Comment: (10-12-12/10-15-12)
560-2.4 – What is the basis for this approval by SMO? Those requirements should be stated in the spec.
The changes to 560-2.4 and 560-6.3 are not supported by SCO.
1. 560-2.4:



Response:

2. 560-6.3:



Response:

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Dan Hurtado
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Comment: (11-16-12)
Regarding the sentence, "electronic conductivity meters approved for use by the Engineer may be used." Do we want to put this responsibility on the Engineer? I don't know if the Engineer will have the expertise to make a judgment on such a specialized piece of equipment. If we are to be Consistent, Predictable and Repeatable then the Spec should address the acceptance criteria of the meters.

Response:

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Greg Richards
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Comment: (12-7-12)
560-9.7 Stripe Coating: Add - *Stripe coats for each coating layer except clear coat when required.*

560-9.7 Stripe Coating: Apply stripe coats to achieve complete coverage and proper thickness on welds, corners, crevices, sharp edges, bolts, nuts, rivets, and rough or pitted surfaces. *Subsequent coats shall not be applied until the stripe coat has ~~fully~~ cured per the manufacturer's product data sheet for recoating.* Stripe coating is not required for the inside surface area of all steel box girders.

Response:

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Brenda Soper
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Comment: (12-13-12)
1. 560-7.5 – the requirement of testing every 1000 s.f. is an overkill. We have been performing these tests since FDOT implemented the requirement and have yet to find any soluble salts on any of the surfaces tested on any of our new construction projects. As this just adds more money to the cost of a project, possibly the Specification could be clarified to require less testing on new construction.

Response:

2. 560-2.4 – The use of the electronic conductivity meter is appreciated by all in the field, however, the comment included in this section "approved for use by the Engineer" is vague. What engineer? Why should we be required to submit, in addition to all other submittals currently required, a submittal for the conductivity meter? These instruments are expensive and we, as applicators, could not possibly be expected to purchase a Hedon Meter, for example, just because some engineer is uninformed and is insisting on the use of this particular costly unit. We

should be allowed to purchase any meter that produces the required results as listed in the Specification and be allowed to us that same meter on all FDOT projects.

Response:

3. 560-9.3 – The comment “apply caulk after the intermediate coat has fully cured and before application of the finish coat” is unrealistic. Currently we apply the caulk when we are working the bolts because the caulk requires a 4 day cure out prior to painting. The intermediate coat (epoxy) requires 4-8 hours to cure for recoat. This only means that the epoxy has cured sufficiently to allow for off-gasing, but not necessarily fully cured. The data sheet does not indicate the extent of “fully” cure. Your new requirement has just added 5 more days to the schedule **per lane** and deducted 5 days from our maximum recoat window. This again, increases the cost of the project tremendously.

Response:

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