

4580000, Bridge Deck Joints

Comments From Industry Review

Missy Hollis
850-414-4182
melissa.hollis@dot.state.fl.us

Comment:

Poured Joints (Type A, B, C sealant) did not have separate payment under Section 458 in the past. Propose adding an additional sentence to Method of Measurement to clarify that these joints are incidental; no separate payment will be made. BOE will be updated accordingly.

Keith Waugh
Leware Construction Company
352-787-1616

Comment:

I think spec is okay, but I would like to see some reference to shop drawings. Typically, plans make reference to shop drawings for all joints. There should be no requirements for any "shop drawing" for poured joints. Shop drawings should be only for strip seals. I also believe that three separate bid items should be used. One for rehabilitation and two for new construction (poured and strip).

David C. O'Hagan, PE
State Roadway Design Engineer
Tallahassee, FL
(850) 414-4283

Comments:

Sentences 1 & 2 should be

*Furnish 1/4" thick slip resistant **galvanized** steel Sidewalk Cover Plates in accordance with ASTM A 709, Grade 36 or 50. **After galvanizing**, Sidewalk Cover Plates shall have a minimum coefficient of friction on the top surface of 0.8 in dry condition, as determined by ASTM F 1677 or F 1679, and 0.68 or 0.52 in a wet condition...*

Ron Meade

Another issue with these sidewalk cover plates is the ADA criteria of 1/4". If these plates are not

completely flush on both sides of the joint, we are out of compliance. We have two jobs recently constructed and we are having problems with exceeding this 1/4” limit.

Anjani Girwarr
Assistant General Counsel
Phone: (863) 519-2825

Comment:

Page 2 of 5, 4582.3 Strip Seal Joint System:

In this sentence below (3rd sentence) add the word “Joint” unless you are expanding the classe of Strip Seals to include more than just Strip Seal Joint Systems in this section.

*Strip Seal **Joint** Systems shall include temporary or sacrificial support brackets, bolts, clamps, etc. that are compatible with decks constructed with or without blockouts.*

Karen Byram
(850) 414-4353
karen.byram@dot.state.fl.us

Comment:

The Product Evaluation Office has two comments. 1) The reference to a QPL application should be expanded to include "submit an application in accordance with Section 6"; 2) Was the intent to require the drawings or other details submitted to be signed and sealed by a PE? If so, the section needs to be expanded to include that requirement.

Rudy Powell

Comments

1. In proposed 458-2.1, if Types A, B, or C low modulus silicone sealants are QPL items then state that requirement in this article. I propose adding the following sentence. “Types A, B, and C Low Modulus Silicone Sealants shall be listed on the Qualified Products List.”
2. In proposed 458-2.2. do not delete “and that are listed on the Qualified Products List.”

Ed Petersen

Comment:

Specification # 4580000 Bridge Deck Joints reads; **458-2.4 Sidewalk Cover Plates:** Furnish 1/4” thick slip resistant steel Sidewalk Cover Plates in accordance with ASTM A 709, Grade 36 or 50. Sidewalk Cover Plates shall have a

minimum coefficient of friction on the top surface of 0.8 in dry condition, as determined by ASTM F 1677 or F 1679, and 0.68 or 0.52 in a wet condition, as determined by ASTM F 1679 or ASTM F 1677 (respectively) and incorporate an anti-slip steel surface consisting of a random

Can the following 0.68 or 0.52 in a wet condition be changed to, **0.68 to 0.52**. This will allow a tolerance and between the two friction coefficients and not require one or the other?

Chris Papastratis

954-777-4193

954-777-4149

Chris.Papastratis@dot.state.fl.us

Comments:

The comments below are from a project team currently contemplating how to install the plates called for in the 2008 design standard index 21110 and referenced in the specification above. Section “458-2.4 Sidewalk Cover Plates: Furnish 1/4” thick slip resistant steel” and “random hatch matrix or other suitable pattern.” 1. Ambiguous as to what other suitable is and who makes the decision if it is suitable enough? Also ambiguous with “458-2.4 Sidewalk Cover Plates: Furnish 1/4” thick slip resistant steel Sidewalk Cover Plates in accordance with ASTM A 709, Grade 36 or 50. Sidewalk Cover Plates shall have a minimum coefficient of friction on the top surface of 0.8 in dry condition,” Construction methods in the field have not been addressed. The plates must be fabricated prior to pour so that proper finish of the side walk can be achieved. The bolt holes must be finished flat with surface otherwise over tightening will cause the plate to not to have a finish flush finish between unattached edge and the sidewalk. In other words, this is very difficult to construct and expensive since shop drawings are required. Cars, maintenance trucks, broken down vehicles, often ride over the sidewalks. This will cause the plate to bend or unattach itself. This may create a hazard to motoring public, pedestrians and bicycles. At a minimum, it will create a maintenance headache. Suggest looking into what other states do to resolve this issue?

Ken Zinck

Comment:

Specification # 4580000 Bridge Deck Joints reads; **458-2.4 Sidewalk Cover Plates: Furnish 1/4" thick slip resistant steel Sidewalk Cover Plates in accordance with ASTM A 709, Grade 36 or 50. Sidewalk Cover Plates shall have a minimum coefficient of friction on the top surface of 0.8 in dry condition, as determined by ASTM F 1677 or F 1679, and 0.68 or 0.52 in a wet condition, as determined by ASTM F 1679 or ASTM F 1677 (respectively) and incorporate an anti-slip steel surface consisting of a random**

*Can the following 0.68 or 0.52 in a wet condition be changed to, **0.68 to 0.52**. This will allow a tolerance and between the two friction coefficients and not require one or the other?*
