ORIGINATION FORM
Proposed Revisions to the Specifications
(Please provide all information - incomplete forms will be returned)

Date: 10/14/15

Specification Section: 100, 108, 120,121, 125, 145, 160, 200, 410,4

Originator: Amy Tootle, P.E.

Articles/Subarticles: Varies

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Will the proposed revision involve Design Standard Index changes? Yes ○ No ◉

Roadway Design staff contacted (name): N/A

Structures Design staff contacted (name): N/A

Will the proposed revision involve PPM changes? Yes ○ No ◉

Roadway Design staff contacted (name): N/A

Will the proposed revision involve CPAM changes? Yes ○ No ◉

Construction staff contacted (name): John Wetsphal, Chris Lewis, Juan Castellanos

Will the proposed revision involve Pay Item changes? Yes ○ No ◉

Estimates staff contacted (name): Maria Irizarry

Will the proposed revision involve SDG changes? Yes ○ No ◉

Structures staff contacted (name): N/A

Will the proposed revision involve APL changes? Yes ○ No ◉

Product Evaluation staff contacted (name): N/A

Will the proposed revision involve Material Manual changes? Yes ○ No ◉

State Materials Office staff contacted (name): N/A

Will this revision necessitate any of the following:

Design Bulletin ☐ **Construction Bulletin** ☐ **Estimates Bulletin** ☐ **Materials Bulletin** ☐

Are all references to external publications current? Yes ◉ No ○

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

The State Construction Office is looking at efficiency gains and converting business practices into a paperless environment. For consistency with e-Construction requirements, the existing specification language needs to be revised, so that stakeholders doing business with the Department submit construction documentation electronically.

Summary of the changes:

Revised specification language to allow for all construction documentation to be submitted electronically including but not limited to removal of references to paper and multiple copies of documents.

Are these changes applicable to all Department jobs? Yes ◉ No ○

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.
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M E M O R A N D U M

DATE: November 5, 2015

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **4580206 Bridge Deck Joints.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Amy Tootle of the State Construction Office to require all construction-related documentation to be submitted by electronic means for consistency with the State Construction Office e-Construction initiative.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at http://www2.dot.state.fl.us/ProgramManagement/Development/IndustryReview.aspx . Comments received after **December 3, 2015,** may not be considered. Your input is encouraged.

DS/dt
Attachment

BRIDGE DECK JOINTS.
(REV 10-14-15)

SUBARTICLE 458-2.6 is deleted and the following substituted:

458-2.6 Modular Joint: Furnish modular joints meeting the requirements of this Section. ~~Provide~~ Submit manufacturer certification that modular joint components meet the following material requirements.

Table 2-6.1 Component Material Requirements	
Solid Separation Beams, Steel Extrusions, Support Bars, and Milled Steel Shapes	ASTM A588 or ASTM A572
Box Seals	ASTM D2628*
Adhesive	ASTM D4070
Stud Shear Connectors and Threaded Studs	ASTM A108
Connection Plates – 3/8 inch minimum thickness	ASTM A588 or ASTM A572
Sliding Plates - 3/8 inch minimum thickness	ASTM A240, Type 316
Sliding Plates - 3/8 inch minimum thickness	ASTM D4895-10
Railing and Sidewalk Cover Plates – 1/2 inch minimum thickness	ASTM A36**
*Provide seals with hardness Type A durometer equal to 55 (plus or minus 5) by ASTM D2240. **Hot-dip galvanize railing and sidewalk cover plates in accordance with Section 962.	

Supply test results from the manufacturer verifying the maximum coefficient of friction between mating surfaces. Testing must be performed by an independent testing laboratory according to the manufacturer's stated precompression values for the system to a minimum of two million cycles. Maximum allowed coefficient of friction is 0.10.

Provide PTFE bonded steel sliding plates using a heat cured, high temperature epoxy capable of withstanding temperatures of minus 40°F to plus 250°F.

Use preformed elastomeric joint seals of multiple-web design that comply with ASTM D3542. Use preformed elastomeric joint seals of the strip type that comply with ASTM D5973.

For springs, bearing, and equidistance devices (i.e. control springs), use the same material composition and formulation, manufacturer, fabrication procedure and configuration as those used in the prequalification test.

SUBARTICLE 458-4.5.2.1 is deleted and the following substituted:

458.4.5.2.1 Manufacturer's Installation Manual: Submit ~~two copies of~~ the manufacturer's installation manual at least two weeks prior to installation activities, containing complete and detailed installation instructions for the modular expansion joint supplied by the Contractor. The manual must include step-by-step installation instructions and all related manufacturer's recommendations, including bridge deck pouring sequence, restraints, finishing, etc., for successful installation and long term operation and serviceability of the joint.

SUBARTICLE 458-4.5.2.2 is deleted and the following substituted:

458-4.5.2.2 Manufacturer's Installation Technician: Provide for a manufacturer's installation technician, under the direct employ of the manufacturer, to be on the jobsite prior to the first joint installation and in sufficient time to train the Contractor's joint installation crews using the shop drawings and the manufacturer's installation manual. The manufacturer's installation technician must remain on the jobsite and be present for all modular joint installation activities for a minimum of the first two joints for each of the Contractor's installation crews. The manufacturer's installation technician will ~~provide~~ submit written certification to the Engineer that the Contractor's installation process follows the requirements outlined in the manufacturer's installation manual.

SUBARTICLE 458-4.5.3 is deleted and the following substituted:

458-4.5.3 Acceptance: Acceptance of fabricated joint systems will be based on the Engineer's visual inspection at the jobsite and in accordance with requirements of this Section.

~~Provide~~ Submit ~~a~~ certified ~~copy of all~~ mill test reports to the Engineer for all steel used to fabricate the joint system.