



*Florida Department of Transportation*

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KEVIN J. THIBAUT, P.E.  
SECRETARY

January 8, 2019

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
3500 Financial Plaza, Suite 400  
Tallahassee, Florida 32312

Re: State Specifications Office  
Section: **943**  
Proposed Specification: **9430100 Corrugated Steel Pipe and Pipe Arch.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Chase Knight from the State Materials Office to add National Transportation Product Evaluation Program (NTPEP) certification requirement, clarify requirements for acceptance of bituminous coating material, and to move hydrostatic testing to the Materials Manual.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us).

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/vc

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**CORRUGATED STEEL PIPE AND PIPE ARCH  
(REV 10-30-19)**

ARTICLE 943-1 is deleted and the following substituted:

**943-1 General Requirements.**

Corrugated steel pipe, including round culvert pipe, pipe arch and underdrain and coupling bands for each type shall conform to AASHTO M36 [and shall include plant certification from the National Transportation Product Evaluation Program \(NTPEP\)](#). Except for underdrain, corrugated steel pipe including pipe arch shall be fabricated with helical corrugations with a minimum of two annular corrugations formed on each end of each pipe to accommodate a coupling band. Annular fabrication is not permitted unless specifically called for in the Plans or Specifications. Provide, as part of the shipping ticket, the actual mean inside diameter and total measured lengths of each lot of pipe shipped to the project. Include the minimum and maximum inside diameters used to calculate the actual mean inside diameter.

~~Test the pipe joints hydrostatically at the specified pressure using test methods in ASTM D3212 with the exceptions of Sections 7.3 and 7.4. In lieu of Section 7.4, deflect one side of the pipe to a 5% reduction in internal diameter using the parallel plate testing methodology of ASTM D2412. Load the deflected pipe to within 1/2 the actual pipe diameter from the centerline of the gasket or just beyond the end of the hugger band, whichever is greater. Ensure that the loading mechanism does not contact the hugger band or associated hardware. Testing of pipe joints shall be done at the manufacturing plant and witnessed by the Engineer or designated representative.~~

ARTICLE 943-7 is deleted and the following substituted:

**943-7 Basis of Acceptance of Bituminous Coating and Paving.**

The acceptance of the bituminous coating, paved invert, and paved interior will be based on the [raw material](#) manufacturer's certification ~~ed mill tests of compliance with AASHTO M190.~~

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