

ORIGINATION FORM

Date: **6-29-12**

Originator: **Gordon Wheeler**

Contact Information: **414-4366**

Specification Title: **Directional Bore**

Specification Section, Article, or Subarticle Number: **555-2.2, Materials Standards for HDD Installation Table**

Why does the existing language need to be changed? **Industry change to ASTM standards.**

Summary of the changes: **ASTM D2477 has been withdrawn and is being replaced with ASTM D3350 and ASTM F714 for PE Pipe.**

Are these changes applicable to all Department jobs? **Yes**

If not, what are the restrictions? **No restrictions**

Will these changes result in an increase or decrease in project costs? If yes, what is the estimated change in costs? **No**

With who have you discussed these changes? **Thomas Bane, Chester Henson**

What other offices will be impacted by these changes? **None**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **No**

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

Contact the State Specifications Office for assistance in completing this form.
Frances Thomas 850-414-4101 frances.thomas@dot.state.fl.us
Debbie Toole 850-414-4114 deborah.toole@dot.state.fl.us
Andy Harper 850-414-4127 clifton.harper@dot.state.fl.us



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

MEMORANDUM

DATE: June 29, 2012
TO: Specification Review Distribution List
FROM: V. Y. "Trey" Tillander, III, State Specifications Engineer
SUBJECT: Proposed Specification: **5550202 Directional Bore.**

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

This change was proposed by Gordon Wheeler of the State Utilities Office to update the language for consistency with industry changes and for formatting.

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 to my attention via e-mail at SP965TT or trey.tillander@dot.state.fl.us. Comments received after **July 30, 2012**, may not be considered. Your input is encouraged.

TT/dt
Attachment

DIRECTIONAL BORE.
(REV 6-29-12)

SUBARTICLE 555-2.2 (of the Supplemental Specifications) is deleted and the following substituted:

555-2.2 Material Type: The following material standards are to be interpreted as the minimum in place standards. Use materials that are appropriate for the stresses generated by the selected equipment and field conditions. It is not intended to portray that the use of materials with these minimum material standards will retain their required properties if the stress limits are exceeded for which they were designed during installation. Ensure that the appropriate material is used to retain compliance once it is installed.

Material Standards for HDD Installation		
Material Type	Non-Pressure	Pressure
Polyethylene (PE)	ASTM D 2447 <i>ASTM D3350</i> <i>ASTM F714</i>	ASTM D 2513 ASTM D 2447 <i>ASTM D3350</i> <i>ASTM F714</i>
High Density Polyethylene (HDPE)	ASTM D 2447 ASTM D-3350 ASTM F-714	ASTM D 2447 ASTM D-3350 ASTM F-714 ASTM D-2513
Polyvinyl-Chloride (PVC)	ASTM D-4396 ASTM D-1784	ASTM D-1784 AWWA C900 AWWA C905 AWWA C605
Steel	ASTM A 139 Grade B ⁽¹⁾	AWWA C200 API 2B ⁽²⁾

⁽¹⁾No hydrostatic test required
⁽²⁾Dimensional tolerances only

Comment [dt1]: ASTM D2477 has been withdrawn by industry and replaced with ASTM D3350 and ASTM F714 for PE pipe.