



*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

September 11, 2023

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

Re: State Specifications Office  
Section: **630**  
Proposed Specification: **6300201 Conduit.**

Dear Mr. Nguyen:

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

The changes are proposed by David Cerlanek to add appropriate language to reference the proper UL specification for above-ground conduit applications.

Please review and transmit your comments, if any, within two weeks (10 business days). Comments should be sent via email [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 (850) 414-4130.

Sincerely,

Signature on File

Daniel Strickland, P.E.  
State Specifications Engineer

DS/dh

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**CONDUIT.**  
**(REV 7-6-23)**

SUBARTICLE 630-2.1 is deleted and the following substituted:

**630-2 Materials.**

**630-2.1 Conduit:** Use materials that have been tested and listed by a Nationally Recognized Testing Laboratory to the following industry standards:

Schedule 40 and 80 Polyvinyl Chloride (PVC) <sup>1</sup> .....	UL 651
Fiberglass Reinforced Epoxy <sup>2</sup> ( <u>below ground</u> ).....	UL 2420
<u>Fiberglass Reinforced Epoxy<sup>2</sup> (<u>above ground</u>).....</u>	<u>UL 2515</u>
Intermediate Metal <sup>3</sup> .....	UL 1242
Rigid Galvanized Metal <sup>3,4</sup> .....	UL 6
Rigid Aluminum <sup>4</sup> .....	UL 6A
PVC Coated Intermediate Metal <sup>4</sup> .....	ASTM A135/A135M, ..... ASTM A513, ASTM A568/A568M, NEMA RN1-2005
Liquid Tight Flexible Metal.....	UL 360
High Density Polyethylene (HDPE) Standard Dimension Ratio (SDR) 9-11 <sup>5</sup> .....	ASTM F2160
HDPE SDR 13.5 <sup>5</sup> .....	ASTM F2160, NEMA TC-7
Schedule 40 and 80 HDPE.....	UL 651A

1. Use conduit with solvent weld slip-fit plastic couplings unless approved by the Engineer.

2. Use conduit having a minimum stiffness value of 250. Ensure that each section has a duct bell with an integral gasket on one end and a duct spigot on the other end.

3. Use conduit that is hot-dipped galvanized with a minimum coating of 1.24 ounces per square foot on both the inside and outside of the conduit. The weight of the zinc coating shall be determined using ASTM A90.

4. Use conduit with both ends reamed and threaded.

5. Can be used with preassembled cable and rope-in-conduit.

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