Origination Form

Specifications

Submittal Information			
Name:	Ronald Meyer	**Standard Specification Section:**	632
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Date:	2026-06-09T19:23:05Z	**Associated Specs:**	633

Summary:

Deleted requirement for Cable Support Wire (subarticle 632-2.2)

Justification:

Need to remove content for Cable Support Wire as it is not intended for use with signal cable. The content was originally for aerial interconnect support in the old Minimum Specifications for Traffic Control Signals and Devices (i.e., "MinSpecs"). The TERL will also be recommending an associated change to 633 to move this content there (where it is more appropriate).

Do the changes affect other types of specifications?

Neither

List Specifications Affected:

Other Affected Documents/Offices	Contacted	Yes/No
Other Standard Plans		No
Florida Design Manual		No
Structures Manual		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Materials Manual		No
Traffic Engineering Manual		No

Are changes in line with promoting and making progress on improving safety, enhancing mobility, inspiring innovation, and fostering talent; explain how?

Yes. Changes update and clarify technical requirements and improve quality of specification content.

What financial impact does the change have; project costs, pay item structure, or consultant fees?

No expected financial impact.

What impact does the change have on production or construction schedules?

No expected impacts to production or construction schedules.

How does this change improve efficiency or quality?

Changes improve quality by updating requirements to address user needs and reflect current practices.

Which FDOT offices does the change impact?

Traffic Engineering and Operations Office

What is the impact to districts with this change?

Districts will benefit from updated requirements that better reflect current products and industry practices.

Does the change shift risk and to who?

No expected shift in risk.

Provide summary and resolution of any outstanding comments from the districts or industry.

Comments and Responses are available on the Track the Status of Revisions hyperlink located on the Specifications landing page: https://www.fdot.gov/specifications/default.shtm

What is the communication plan?

Through the established specification revision process (e.g., Internal and Industry Review)

What is the schedule for implementation?

The Standard Specifications eBook and Workbook are effective July 1st every year.

SIGNAL CABLE
(REV 6-9-26)

ARTICLE 632-2 is deleted and the following substituted:

632-2 Materials.

Use only new materials meeting the requirements of this Section.

632-2.1 Signal Cable: Use either polyethylene insulated, polyvinyl chloride jacketed signal cable conforming to the requirements of the International Municipal Signal Association, Inc. (IMSA) Specification No. 19-1 or polyethylene insulated, polyethylene jacketed signal cable conforming to the requirements of IMSA Specification No. 20-1. Use signal cable conductors of stranded copper, No. 14 AWG or larger.

~~**632-2.2 Cable Support Wire:** Provide utilities grade zinc-coated support wire meeting the requirements of ASTM A475, whether separate or integral to signal cable, having a minimum nominal diameter of 1/4 inches.~~

632-2.~~3~~2 Cable Attachment Hardware: Ensure that all bolts and nuts less than 5/8 inch in diameter are passivated stainless steel, Type 316 or Type 304 and meet the requirements of ASTM F593 and ASTM F594 for corrosion resistance. Ensure that all bolts and nuts 5/8 inch and over in diameter are galvanized and meet the requirements of ASTM A307. Use attachment hardware with sufficient tensile strength for the application. Use stainless steel lashing wire, galvanized or stainless steel lashing rod, cable rings or self-locking cable ties of UV stabilized black plastic having a minimum tensile strength of 100 pounds.