

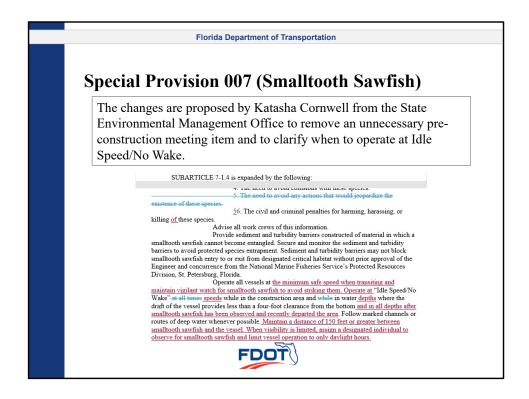
SP0040100 Scope of Work – Intent of Contract.

The summary of pay items are included in the Estimated Quantities Report and will no longer be listed in the Plans, therefore this statement needs to be deleted to avoid conflict/confusion.

Section 005 The changes are proposed by Ben Goldsberry from the Structures Design Office to allow PT systems to be accepted through the shop drawing submittal process instead of through a pre-approved list. The proposed specification change is associate with the changes made to Section 452, 462, and 960. 1. Includes approved post-tensioning systems and project-specific integration details of the approved post-tensioning system. 2. Does not include formwork complying with Standard Plans, Index 102-600 (concrete placement is not permitted directly over traffic). Also, does not include critical temporary walls that are fully detailed in the plans unless redesigned by the Contractor. Does not include specialized equipment if traffic is removed from under equipment while equipment is being loaded, launched, and while loads are being transported by equipment. 3. In lieu of a Specialty Engineer, originator may be a licensed Architect. 4. In lieu of the Design Engineer of Record, the reviewer may be the Design Architect of Record.

SS0050104- Control of the Work.

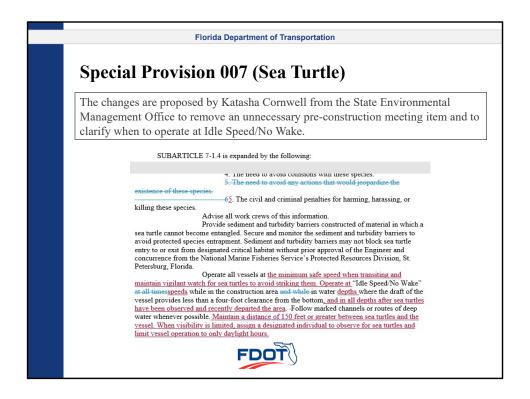
PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list. Updated Footnote 1 in Table 5-1 to reflect that PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list.



SP0070104-5 Legal Requirement and Responsibility to the Public – Small tooth Sawfish.

As a result of the agencies updating their requirements. Removed unnecessary preconstruction meeting item and to clarify when to operate at idle speed/ no wake.

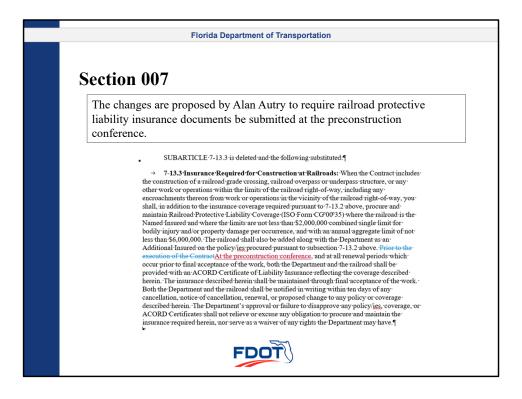
This is a special provision so only applies on an as needed basis.



SP0070104-6 – Legal Requirement and Responsibility to the Public – Sea Turtle.

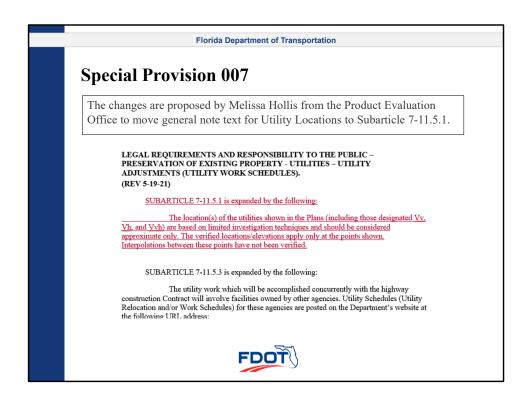
As a result of the agencies updating their requirements. Removed unnecessary preconstruction meeting item and to clarify when to operate at idle speed/ no wake.

Removed unnecessary pre-construction meeting item and to clarify when to operate at idle speed/ no wake.



SS0071303 – Legal Requirements and Responsibility to the Public – Insurance Required for Construction at Railroads.

Align submittal of railroad protective liability insurance documents with the expectations of the district/state railroad coordinators. Require railroad protective liability insurance documents be submitted at the preconstruction conference.



SP0071153B Legal Requirements and Responsibility to The Public – Preservation of Existing Property - Utilities – Utility Adjustments (Utility Work Schedules).

Moved General Note (FDM Chapter 311/914) text for Utility Locations to specification Subarticle 7-11.5.1.

Florida Department of Transportation

Section 008

The changes are proposed by Melissa Hollis from the Product Evaluation Office to move general note text for Special Events to a Special Provision with a listing of the Date.

PROSECUTION AND PROGRESS (REV 8-17-21)

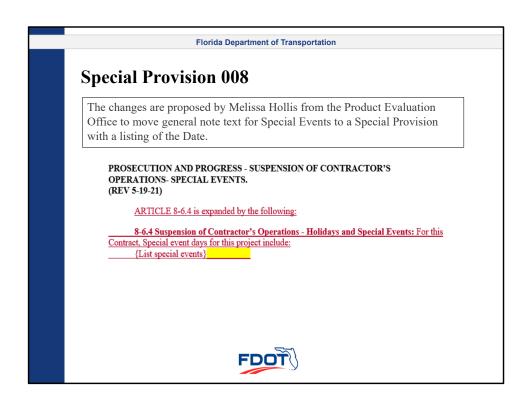
SUBARTICLE 8-6.4 is deleted and the following substituted:

8-6.4 Suspension of Contractor's Operations - Holidays and Special Events: Unless the Contractor submits a written request to work during one or more days of a Holiday or Special Event at least ten calendar days in advance of the beginning date of the Holiday or Special Event and receives written approval from the Engineer, the Contractor shall not work on the following days: Martin Luther King, Jr. Day; Memorial Day; the Saturday and Sunday immediately preceding Memorial Day; Independence Day (Observed); Labor Day; the Friday, Saturday, and Sunday immediately preceding Labor Day; Veterans Day; (Observed); the Wednesday immediately preceding Thanksgiving Day; Thanksgiving Day; the Friday, Saturday and Sunday immediately following Thanksgiving Day; December 24 through January 2, inclusive; and Special Events noted in the PlansContract Documents. Contract Time will be charged during these Holiday and Special Event periods. Contract Time will be adjusted in accordance with 8-7.3.2. The Contractor is not entitled to any additional compensation beyond any allowed Contract Time adjustment for suspension of operations during such Holiday and Special Event periods.



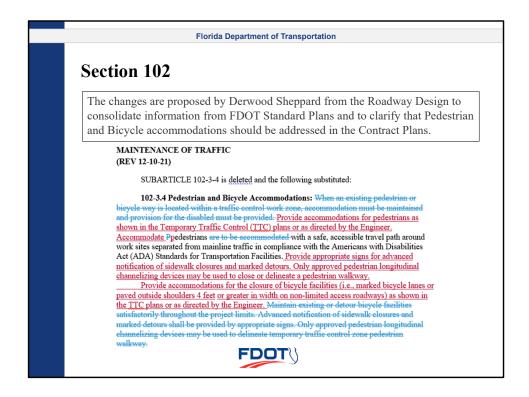
SS0080604 - Prosecution and Progress.

Moved General Note (FDM Chapter 311/914) text for Special Events to specification subarticle 8-6.4, with listing of Date/Event.



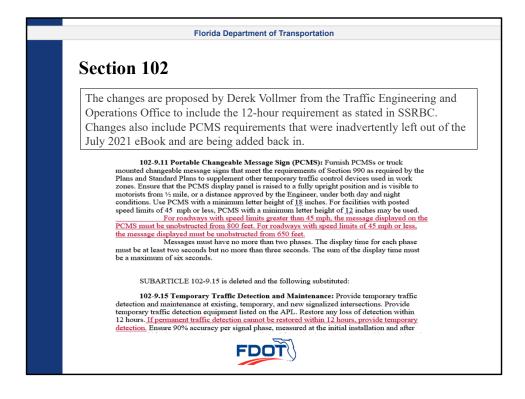
SP0080604 (NEW) Prosecution and Progress - Suspension of Contractor's Operations-Special Events.

Moved General Note (FDM Chapter 311/914) text for Special Events to specification subarticle 8-6.4, with listing of Date/Event.



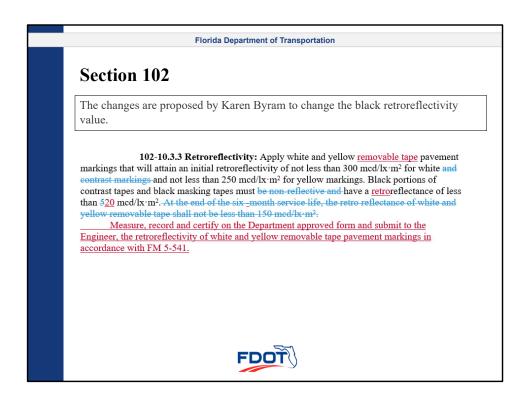
SS1020304 - Maintenance of Traffic.

Added clarification that the Ped/Bicycle Accommodations are included in the TTCP and also clarified that paved shoulders 4' or greater in width on non-limited access facilities are considered a "Bicycle Facility".



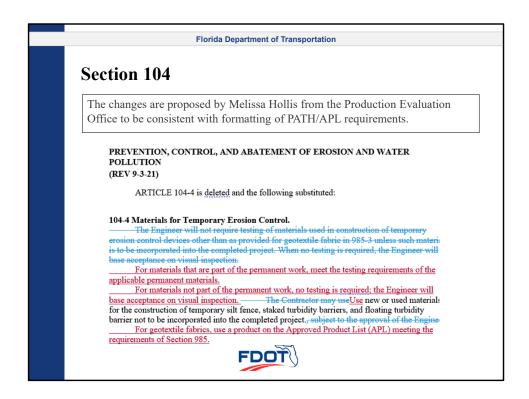
SS1020912 - Maintenance of Traffic.

Added "If permanent traffic detection cannot be restored within 12 hours, provide temporary detection.



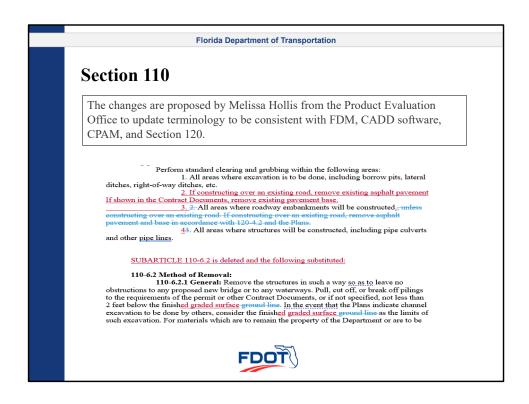
SS1021000 – Maintenance of Traffic.

The Retroreflectivity value for black has been changed from 5 to 20 mcd/lx·m2 based on asphalt and concrete retroreflectivity baseline values.



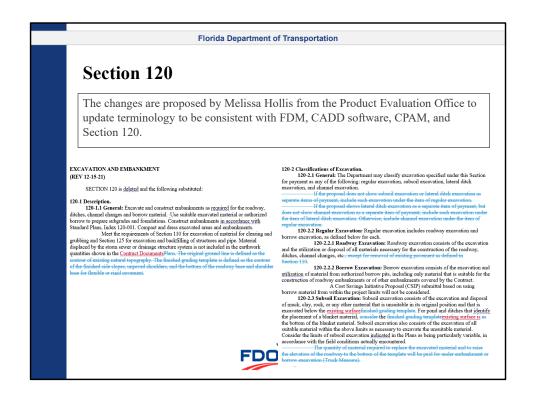
SS1040400 - Prevention, Control, and Abatement of Erosion and Water Pollution.

Added clarification that the Ped/Bicycle Accommodations are included in the TTCP and also clarified that paved shoulders 4' or greater in width on non-limited access facilities are considered a "Bicycle Facility".



SS1100201 - Clearing and Grubbing.

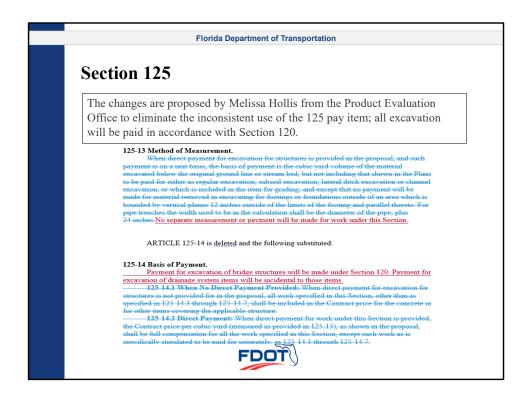
Updated the limits for Clearing and Grubbing.



SS1200100 - Clearing and Grubbing.

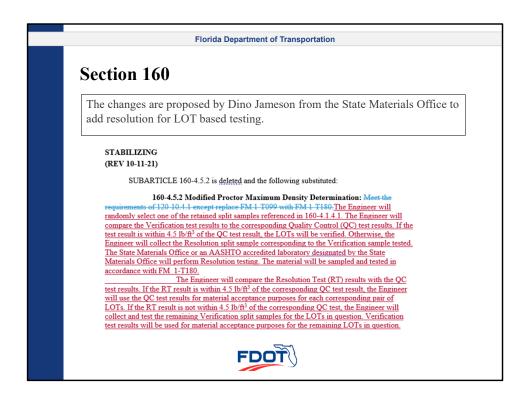
^{*}Updated terminology to be consistent with FDM.

^{*}Updated measurement and payment to use Plan Quantity items.



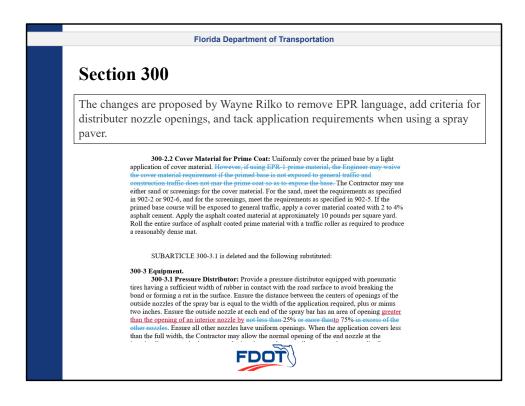
SS1251300 - Excavation for Structures and Pipe.

Eliminate the inconsistent use of the 125- pay item; all excavation will be paid in accordance with Section 120.



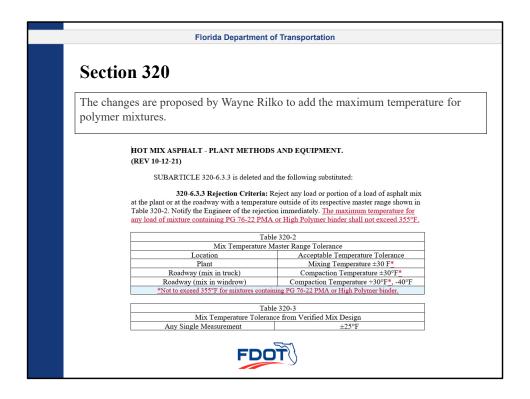
SS1600405 - Stabilizing.

To include the original language for comparison/resolution was excluded during past revisions.



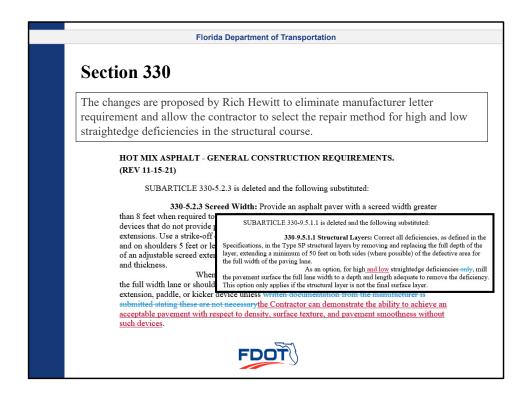
SS3000303 - Prime And Tack Coats.

Removed EPR language, added criteria for distributer nozzle openings, and tack application requirements when using a spray paver.



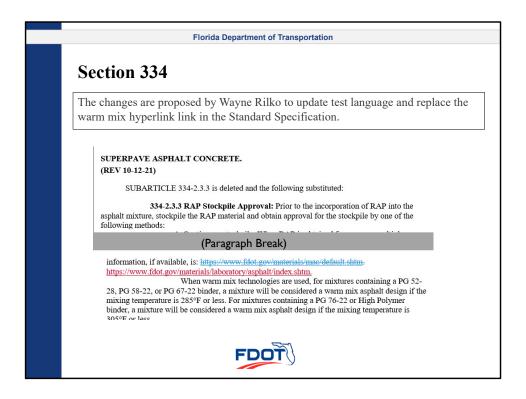
SS3200603 - Hot Mix Asphalt - Plant Methods And Equipment.

Added the maximum temperature for polymer mixtures.



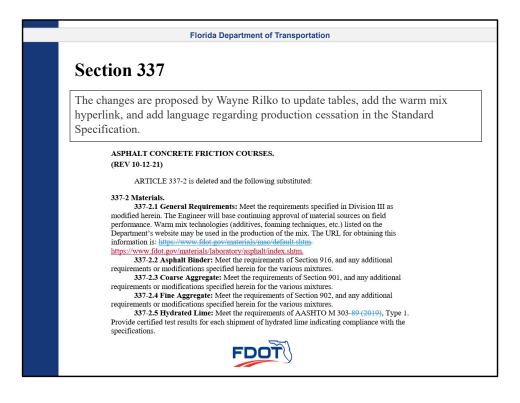
SS3300502 - Hot Mix Asphalt - General Construction Requirements.

5.2.3-Eliminates manufacturer letter requirement, allows contractor to demonstrate ability to pave with screed extension without augers, paddles, etc. 9.5.1.1-Allows contractor to select repair method for low and high straightedge deficiencies in the structural course.



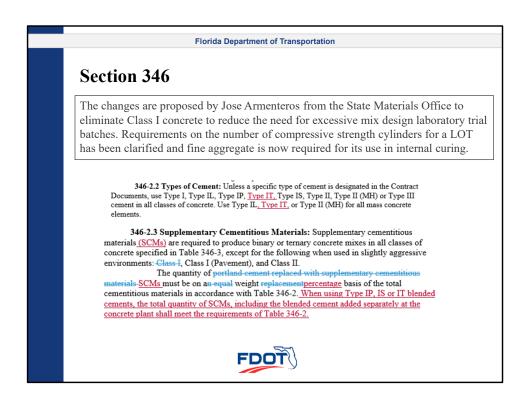
SS3340302 - Superpave Asphalt Concrete.

The hyperlink was replaced with one that goes directly to the bituminous material Systems. The test language updates corrected AASHTO and ASTM test method names to remove the year from the test.



SS3370201 - Asphalt Concrete Friction Courses.

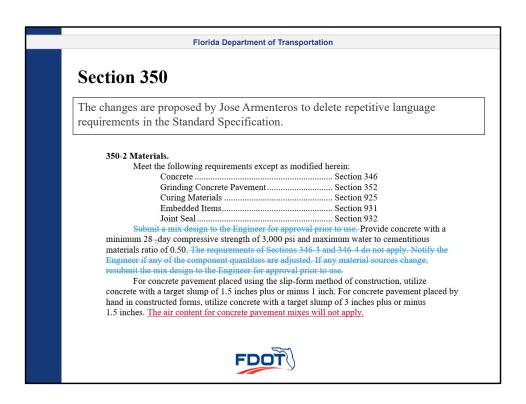
- 1.Update website for warm mix technologies.
- 2. Show FC-5 binder content in Table 337-2.
- 3. Requirements for the FC-5 fiber supply system.
- 4. Requirements for the FC-5 hydrated lime supply system.
- 5. Small Quantity Pay Table Pay Factor up to 1.05.



SS3460200 – Structural Portland Cement Concrete.

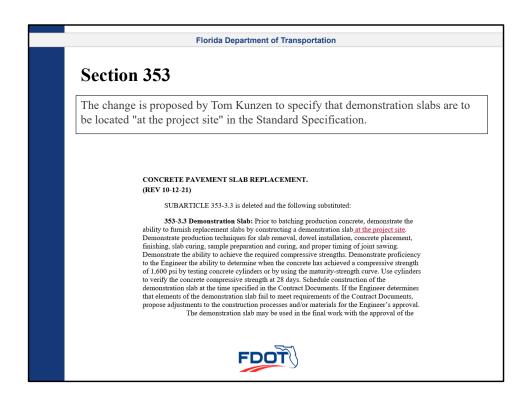
The statistical analysis of the concrete compressive strength production test data indicates that the strengths of the Class I mixes meet the strength requirements of Class II concrete. Therefore, there is need for the elimination of Class I concrete. The upgrading of Class I to Class II will reduce the need for excessive mix design laboratory trial batches. Table 346-1 excludes Type IT Cement, which should be added. The LOT size definition of Class I pavement in Section 346 is repeat of the definition in Section 350. In Section 346 only reference should be given to Section 350 regarding LOT size definition, reduced frequency for acceptance testing, and other requirements of Class I pavement described in Table 346-3. The requirements of the number of compressive strength cylinders for a LOT has to be clarified, whether it is only based the average compressive strengths of three cylinders or average compressive strengths of two cylinders. A subarticle on lightweight fine aggregate was required for its use in internal curing. Implementation of three research projects related to internal curing: BDV31-977-47, BDV31-977-86 and BDV31-977-114. Article 346-3 and other related articles and sub-articles of Section 346 are modified by replacement of Class I concrete with Class II concrete. Type IT Cement has been added to the list of types of cement in Table 346-1. The LOT size definition of Class I pavement in Section 346 has referenced

Section 350 in lieu of repeating the requirements of Section 350. Additionally, Section 350 has been referenced regarding the LOT size definition, reduced frequency for acceptance testing, and other requirements of Class I pavement, described in Table 346-3. The requirements of the number of compressive strength cylinders for a LOT has been clarified, which is based on the average compressive strengths of at least two test cylinders. Addition of Subarticle 346-2.5 Lightweight Fine Aggregate (LWFA) for Internal Curing.



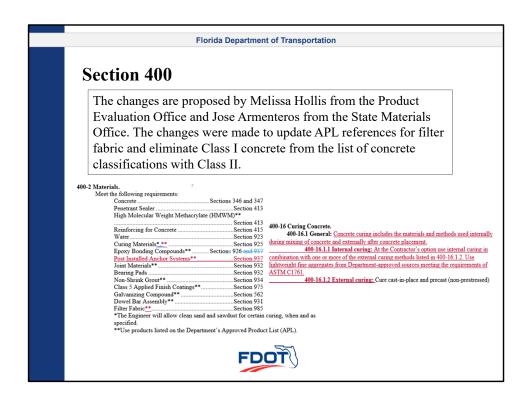
SS3500200 - Cement Concrete Pavement.

The proposed article 350-2 has been modified by deletion of the statement "The requirements of Sections 346-3 and 346-4 do not apply" and repeated requirements that are covered in Section 346.



SS3530303 - Concrete Pavement Slab Replacement.

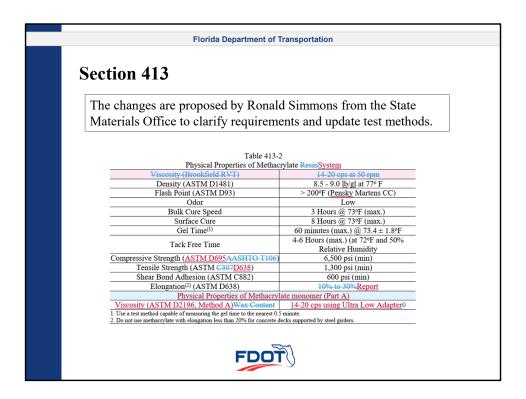
Specifies demonstration slabs are to be located "at the project site".



SS4000200 – Concrete Structures.

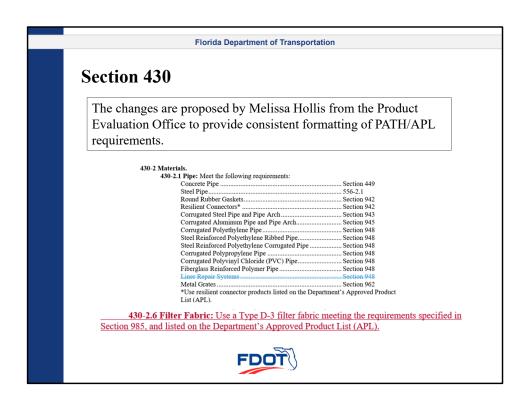
Updating APL references for filter fabric, to be consistent with other Division II references.

The proposed Section 346 will eliminate Class I concrete from the list of concrete classes. Accordingly, there is need to delete Class I Concrete from the entire specifications, including Sub-article 400-23.9 Payment Items.



SS4130302 - Sealing Cracks and Concrete Structure Surfaces.

Existing language needed to be changed to clarify requirements and update test methods. Adjusted language to make clear it is a system, replaced 2 test methods, clarified an additional method, and increased the initial rate of dispersion based on field comments that it was too low.



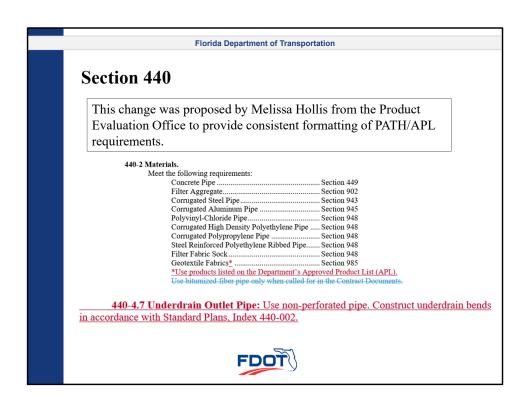
SS4300201 - Pipe Culverts.

Consistent formatting of PATH/APL requirements

430-2.1: Removed reference to repair system not addressed in this Section.

430-2.6: Added text to refer to Section 985 and APL

430-4.1: Updated filter fabric installation, per manufacturer's instructions.



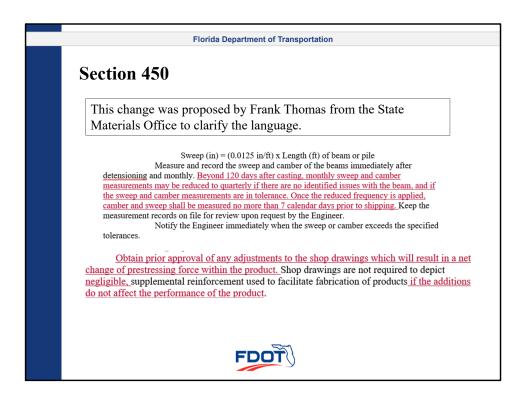
SS4400200 – Underdrains.

Consistent formatting of PATH/APL requirements

440-2: Updated materials list to be consistent with APL format

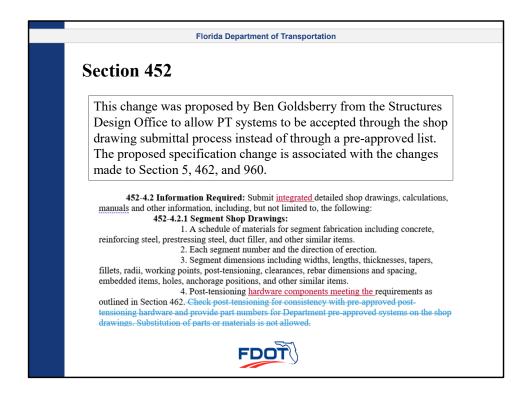
440-4.7: Added text for outlet pipe, consistent with standard plans

440-7: Clarified no separate measurement, consistent with standard plans and Section 400



SS4500203 Precast Prestressed Concrete Construction.

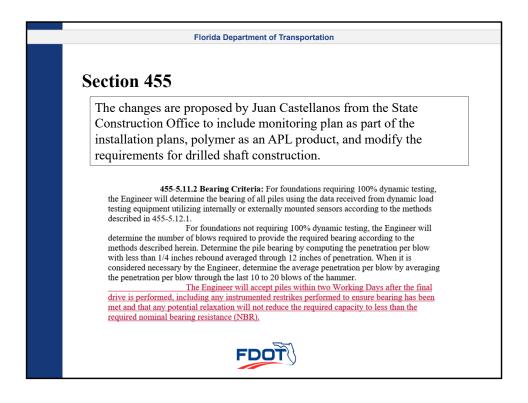
2.3: Adjust monthly camber measurement requirement beyond 120 days. 5: Strengthen language regarding supplemental reinforcement. 10.7.1: Include requirement to follow CFRP strand manufacturer's instructions. 12.2: Remove "pre-approved" repair language.



SS4520402 Precast Segmental Bridge Construction.

PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list.

Revisions to accept PT systems through the shop drawing submittal process instead of through a pre-approved list.

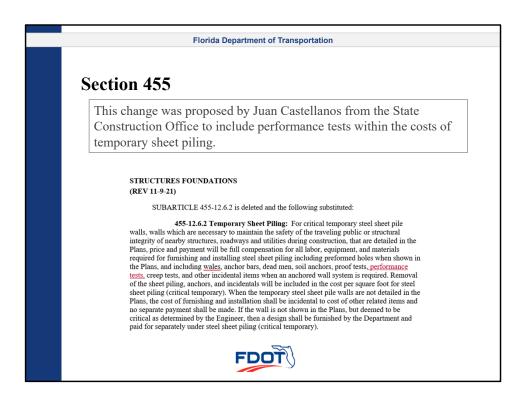


SS4550511 – Structures Foundations.

To address a request from FTBA to indicate a timeline for FDOT pile acceptance, to include a monitoring plan as part of the Installation Plans, to include the polymer as an APL product and to address a request from LESS contractors to give them some flexibility in the requirements of drilled shaft construction.

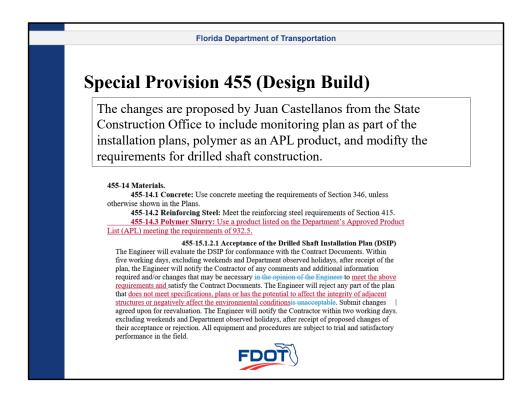
455-5.11.2: Add a paragraph indicating FDOT pile acceptance time. 455-10.1: Add an item requesting a vibration and settlement monitoring plan. 455-14.3: Sub-article added as part of the introduction of polymer slurry in the APL. 455-15.1.2: Revised language in one item as part of the introduction of polymer slurry in the APL. Added an item to require a monitoring plan in the Installation Plan. 455-18.1 Change language to allow LESS contractors to introduce polymer slurry in the casing under certain conditions. Change language to allow LESS contractors to test up to every 12 hours under certain conditions. 455-15.8.3: Change language as part of the introduction of polymer slurry into the APL. 455-15.8.4: Added table to specify polymer properties at the time of concreting. 455-16.3 Changed language to allow flexibility to LESS contractors in the centralizing methods when two different casing sizes are used. 455-47: Added an item to require a settlement monitoring plan in the ACP installation plan.

Changes apply to Conventional Projects that use the Standard Specification SS455.



SS4551206 Structures Foundations.

To add language to include performance tests within the costs of temporary sheet piling. Add "performance tests" to the items that must be included within the cost of temporary sheet piling. Changes apply to Conventional Projects that use the Standard Specification SS455.



SP4550000DB – Structures Foundations (Design Build).

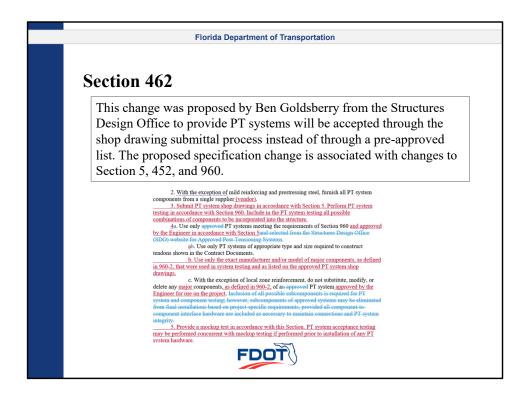
To include the polymer as an APL product and to address a request from LESS contractors to give them some flexibility in the requirements of drilled shaft construction.

455-14.3: Sub-article added as part of the introduction of polymer slurry in the APL. 455-15.1.2: Revised language in one item as part of the introduction of polymer slurry in the APL. 455-18.1 Change language to allow LESS contractors to introduce polymer slurry in the casing under certain conditions. Change language to allow LESS contractors to test up to every 12 hours under certain conditions. 455-15.8.3: Change language as part of the introduction of polymer slurry into the APL. 455-15.8.4: Added table to specify polymer properties at the time of concreting. 455-16.3 Changed language to allow flexibility to LESS contractors in the centralizing methods when two different casing sizes are used.

| | Florida Department of Transportation | |
|-----|---|--|
| Sec | tion 446 | |
| Ev | re changes are proposed by Melissa Hollis from the Product valuation Office be consistent with formatting of PATH/APL quirements. | |
| | ### Additional Comments: Meet the following requirements: | |

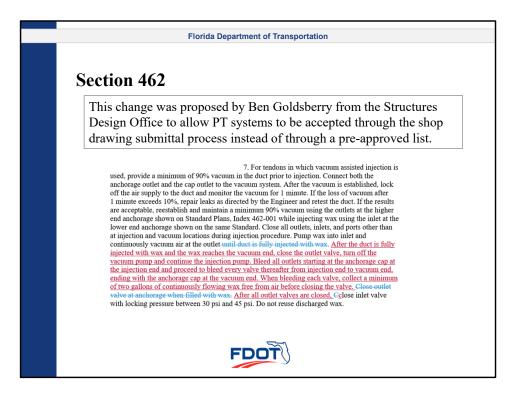
 $SS4460200-Edgedrain\ (Draincrete).$

Consistent formatting of PATH/APL requirements. 446-2: Updated materials list to be consistent with APL format.



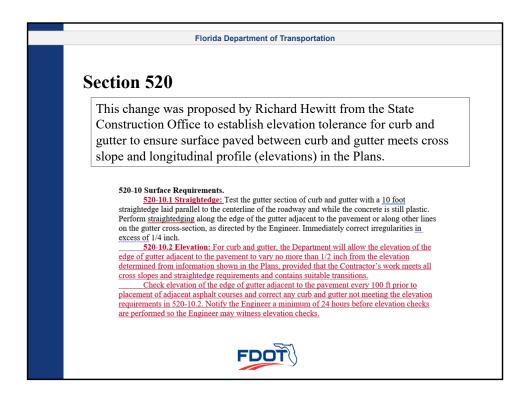
SS4620100 – Post-Tensioning.

PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list. Revisions to accept PT systems through the shop drawing submittal process instead of through a pre-approved list.



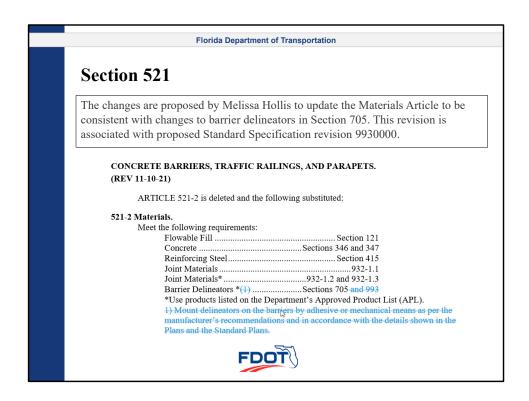
SS4620704 – Post – Tensioning.

PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list. Revisions to accept PT systems through the shop drawing submittal process instead of through a pre-approved list.



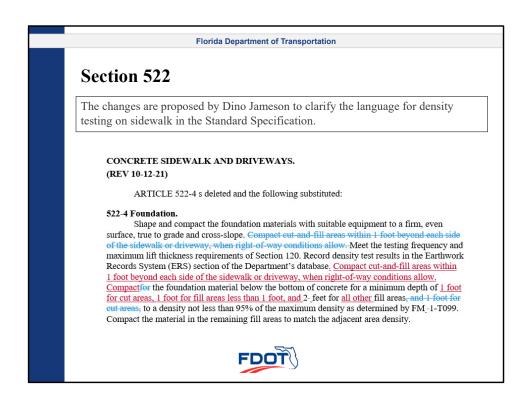
SS5200100 - Concrete Gutter, Curb Elements, and Traffic Separator.

Establish elevation tolerance for curb and gutter to ensure surface paved between curb and gutter meets cross slope and longitudinal profile (elevations) in the plans. Added 1/2" elevation tolerance for curb and gutter.



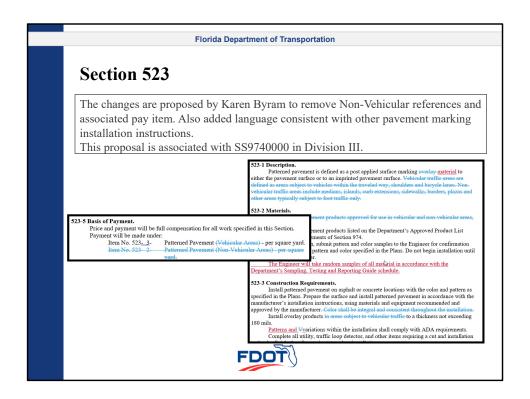
SS5210200 - Concrete Barriers, Traffic Railings, and Parapets.

This revision will update the Materials Article to be consistent with changes to barrier delineators in Section 705. See proposed 9930000 for Division III associated change.



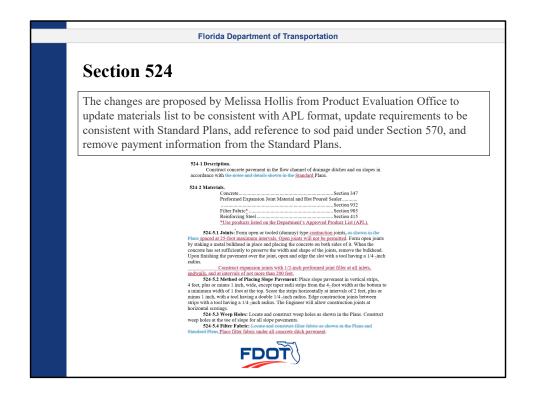
SS5220400 - Concrete Sidewalk and Driveways.

The new language covers the three scenarios for density testing on sidewalk: cut areas, fill areas less than 1-foot, and fill areas greater than 1-foot.



SS5230000 - Patterned Pavement.

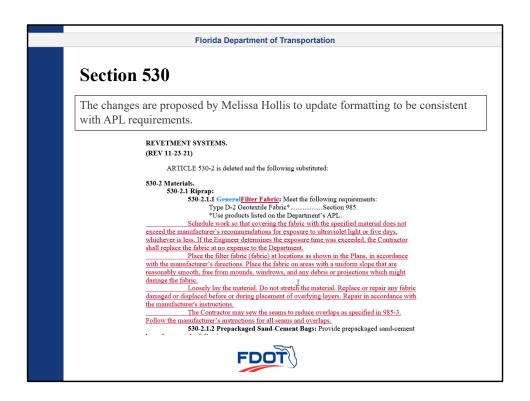
*Associated with proposed Standard Specification revision 9740000. Skid Resistance test is being changed in Specification 974 from BPN to DFT testing to better reflect the pavement values and ease of testing. It has been decided that all patterned pavement should be high friction and therefore the Non-Vehicular type has been eliminated.



SS5240100 - Concrete Ditch and Slope Pavement.

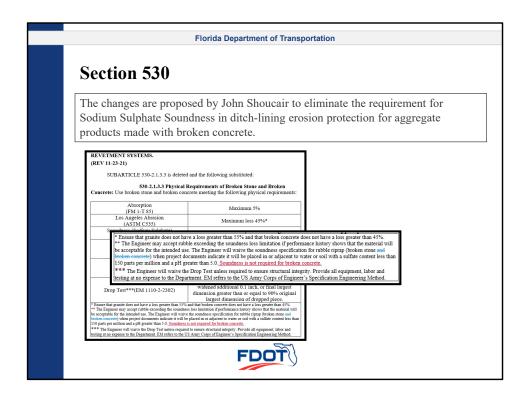
This change will make the Specification consistent with PATH/APL formatting requirements.

This includes updated materials list to be consistent with APL format, updated requirements to be consistent with Standard Plans, and adding reference to sod paid under Section 570, and removing payment information from Standard Plans.



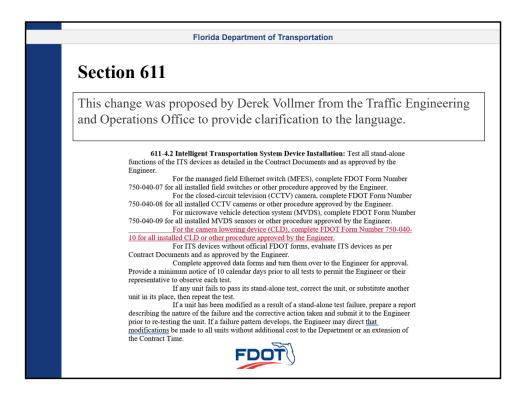
SS5300200 - Revetment Systems.

The filter fabric reference was updated to be consistent with APL format. (Moved text from Section 514.)



SS5300201 - Revetment Systems.

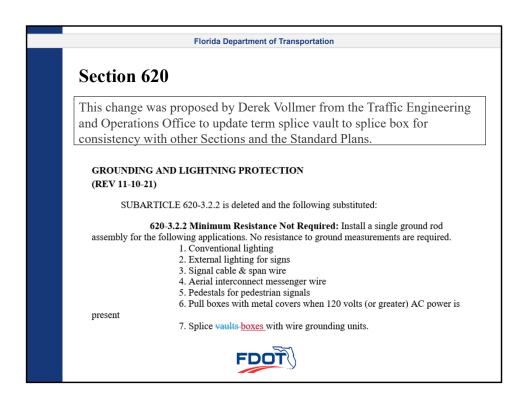
The Sodium Sulphate Soundness (SSS) is suitable for measuring physical durability in natural aggregates, but it has been shown to react chemically with cement paste in broken concrete/Reclaimed Concrete Aggregate (RCA) and produce false results for physical durability. SSS is not used in other RCA applications.



SS6110203 – Acceptance Procedures for Traffic Control Signals, Devices, and Intelligent Transportation System Devices.

Subarticle "611-2.3.3 Compensation: All costs incurred in submitting as-built documentation are incidental to the other items of work associated with traffic control signals and devices. Payment for ITSFM files will be compensated as specified in this Section" should be listed under Article 611-9 Method of Measurement, not 611-2 Acceptance of Traffic Control Signal and Device Installations. New stand-alone test plan has been finalized.

Add new article, "611-9.4 As-Built Drawings: All costs incurred in submitting as-built drawings are incidental to the other items of work associated with traffic control signals and devices." Added the camera lowering device stand alone test plan form number.



SS6200302 – Grounding and Lightning Protection.

Update term splice vault to splice box for consistency with other sections and the standard plans. Change splice vault to splice box.

Florida Department of Transportation

Section 641

This change was proposed by Olivia Townsend from the State Construction Office to clarify the depth of foundation removal and provide consistency with the modified language in Section 649, 700, and 715.

PRESTRESSED CONCRETE POLES (REV 11-10-21)

ARTICLE 641-5 is deleted and the following substituted:

641-5 Pole Removal.

When shallow pole removal removal of the pole and partial foundation removal is specified in the Plans, the remaining pole, foundation and any protrusions, such as pole keys, dead men, guying apparatus, conduit, anchor bolts, or reinforcing steel, must be removed to a minimum depth of 4 feet below existing grade.

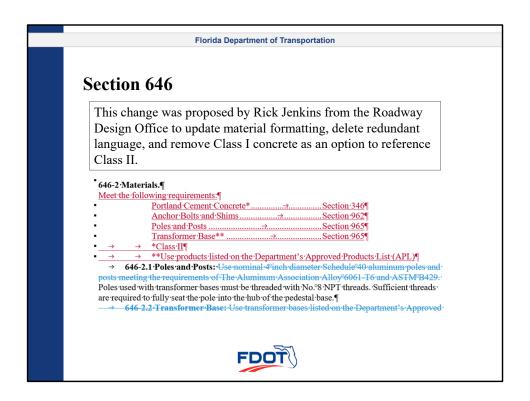
When deep pole removal removal of the pole and complete foundation removal is specified in the Plans completely remove each pole including the foundation and all accessories and attachments, such as pole keys, dead men, guying apparatus, conduit, anchor bolts, and reinforcing steel.

Disconnect span wires carefully at the pole, and salvage all usable hardware and attachment devices as determined by the Engineer. Remove all devices supported by the span wire (including wiring) prior to the removal of the span wire.



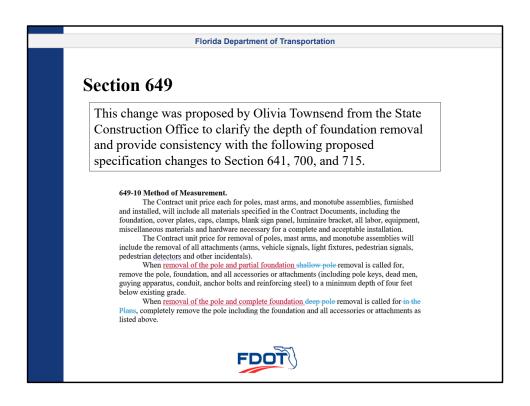
SS6410500 Prestressed Concrete Poles.

Language needs to be changed to clarify the depth of foundation removal and provide consistency with modified language in 649,700, and 715. 715-18.0: Replaced "shallow pole removal" with "pole and partial foundation removal". Replaced "deep pole removal" with "pole and complete foundation removal."



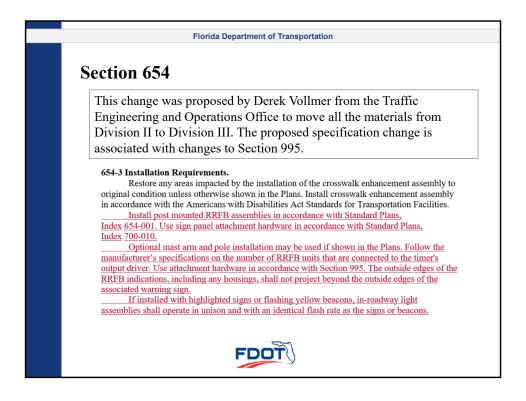
SS6460000 – Aluminum Poles, Pedestals, and Posts.

Changes were needed to be consistent with other sections. Redundant aluminum poles and posts information was located in the Section and the Standard Plans. SMO removed Class I concrete as an option, so all references were updated to Class II. Updated material formatting and added section 646-3. Deleted redundant aluminum poles and posts size information. Transformer base APL submission requirements were moved from to Section 965. Deleted reference to Class I concrete and added Class II to Materials.



SS6491000 – Galvanized Steel Poles, Mast Arms, and Monotube Assemblies.

Language needs to be changed to clarify the depth of foundation removal and provide consistency with modified language in 641,700, and 715. 715-18.0: Replaced "shallow pole removal" with "pole and partial foundation removal". Replaced "deep pole removal" with "pole and complete foundation removal."



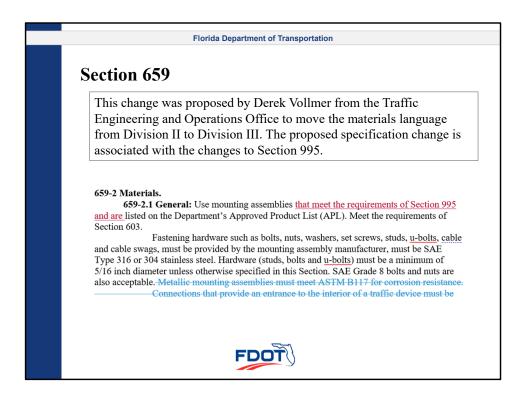
SS6540000 – Midblock Crosswalk Enhancement Assemblies.

Move the materials from Division II to Division III.

Per the traffic engineering manual, in-roadway light assemblies need to operate in unison with the highlighted signs or beacons.

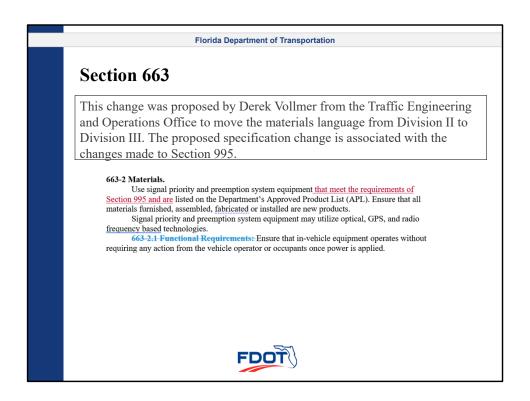
Move in-roadway light assembly and RRFB language from 654-2 to new article 995-6. Keep PHB in 654-2.

Added to 654-3, "If installed with highlighted signs or flashing yellow beacons, inroadway light assemblies shall operate in unison and with an identical flash rate as the signs or beacons."



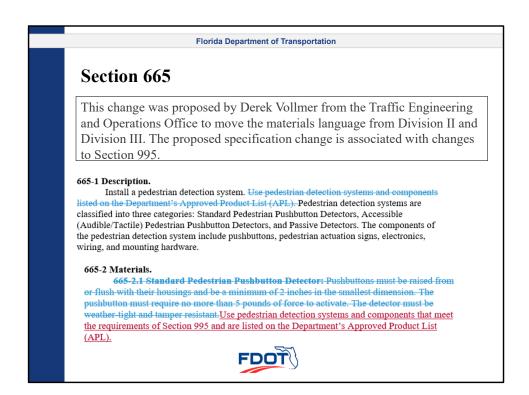
SS6590000- Mast Arm, Span Wire, and Pole Mounting Assemblies.

Move the materials from Division II to Division III. Move materials language to new article 995-7.



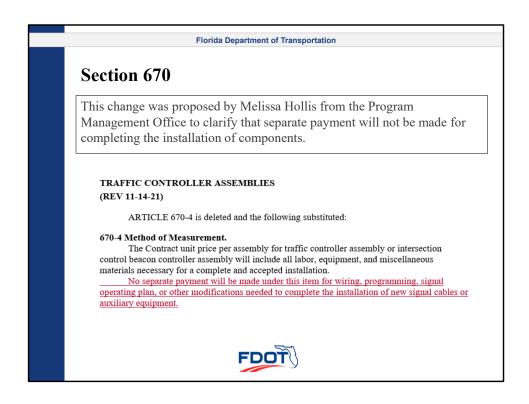
SS6630000 – Signal Priority and Preemption Systems.

Move the materials from Division II to Division III. Move materials language to new article 995-8.



SS6650000 - Pedestrian Detection System.

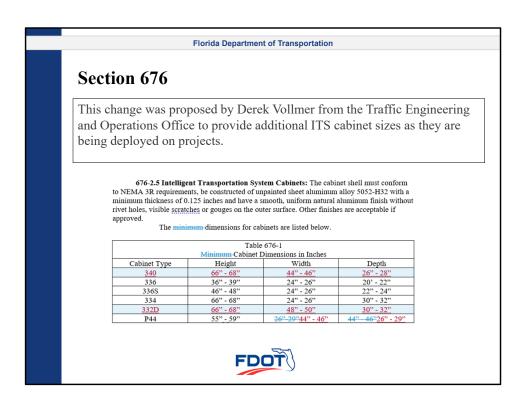
Move the materials from Division II to Division III. Move materials language to new article 995-9.



SS6700400 - Traffic Controller Assemblies.

The traffic controller assembly "modify" pay item has been used inconsistently, often when not needed to complete the installation of various equipment/components paid as "furnish & install".

Clarifies that separate payment will not be made for completing the installation of components.



SS6760205 - Traffic Cabinets.

Additional ITS cabinet sizes are being deployed on projects.

Removed "Minimum" from Table 676-1.

Added Cabinet Types 340 and 332D to Table 676-1.

Corrected the dimensions for Cabinet Type P44 in Table 676-1.

Florida Department of Transportation

Section 677

The changes are proposed by Jose Armenteros from the State Materials Office to reference the changes in Section 346 that eliminates Class I concrete from the list of Concrete classes.

677-2.2 Shelter Floor and Foundation: The floor is to be constructed of concrete or concrete composite material.

The foundation is a monolithic slab with appropriate footings and the final top of slab elevation is set a minimum of 2 feet above final grade, or as shown in the Plans. Concrete is to be Class $\pm \underline{II}$ for extremely aggressive environments and in accordance with Section 346. Perform concrete structures work in accordance with Section 400.

The equipment shelter must not bend or break during moving, towing, or hoisting.

The equipment room's interior floor covering is to be industrial-grade vinyl flooring fastened to the shelter floor with waterproof adhesive. Provide an air gap between the equipment shelter floor and the foundation slab, or alternatively, construct the foundation slab with a vapor barrier to prevent moisture penetration. Insulate the floor to provide a minimum insulating factor of R-11.

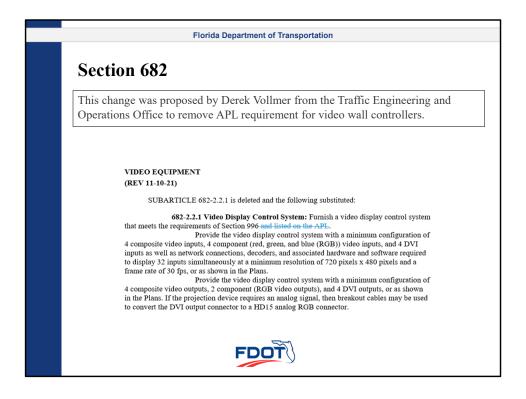
Concrete is to be Class <u>III</u> in accordance with Section 346. Perform concrete structures work in accordance with Section 400. Obtain precast products from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105. Submit to the Engineer all permit documents for approval prior to starting the work.



SS6770202 – Equipment Shelter.

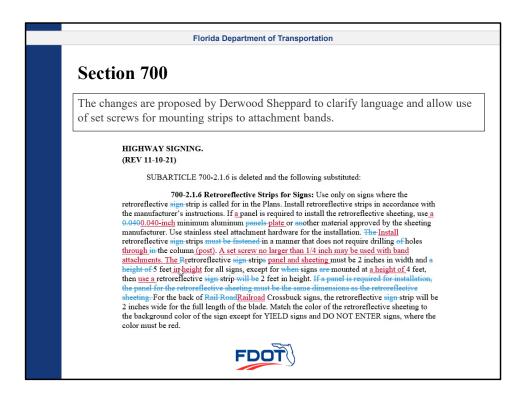
The proposed Section 346 will eliminate Class I concrete from the list of concrete classes. Accordingly, there is need to replace Class I Concrete with Class II concrete in Sub articles 677-2.2 and 677-3.1 Section 677 Specifications.

Replaced Class I with Class II in Sub-articles 677-2.2 and 677-3.1 Section 677 Specifications.



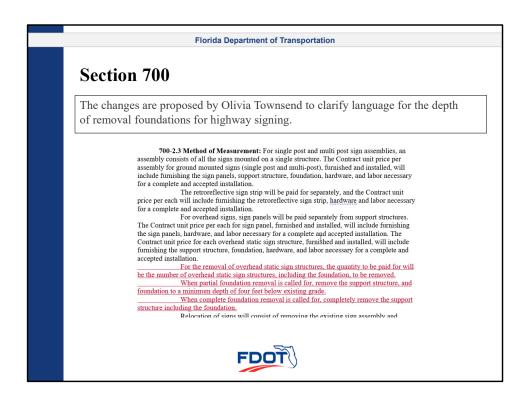
SS6820202- Video Equipment.

The TERL does not need to review and certify video wall controllers. Remove APL requirement for video wall controllers.



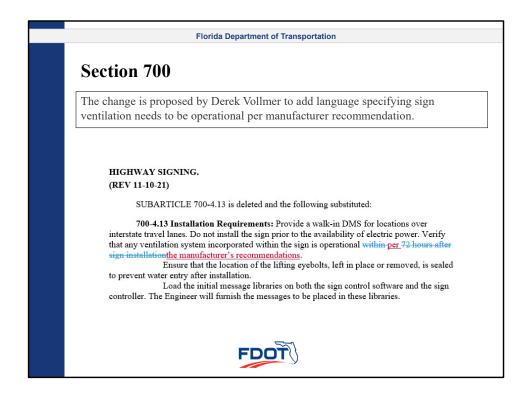
SS7000201 – Highway Signing.

Minor clarifications were made to the text. Maintenance has difficulty reattaching or repair the retroreflective strips. An allowance to use small set screws was added to improve constructability and repairs.



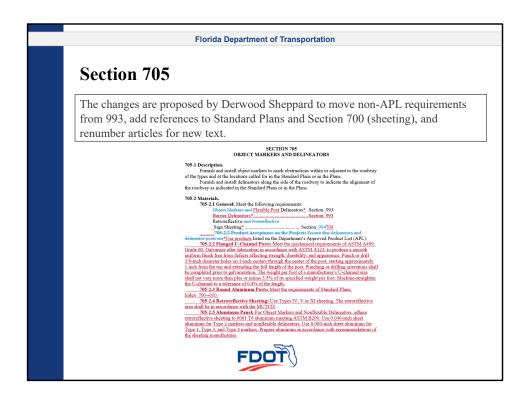
SS7000203 - Highway Signing.

Added language to clarify payment for the removal of overhead static sign structures to include the foundation. Further clarification added to specify shallow and deep foundation removal.



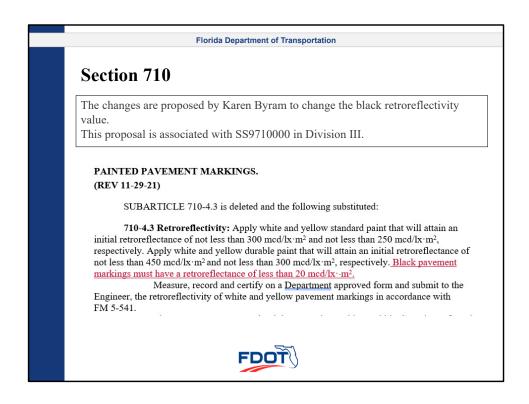
SS7000413 – Highway Signing.

Sign ventilation language needed to be modified due to DMS vendors differing how quickly it needs to be powered after installation.



SS7050000 - Object Markers and Delineators.

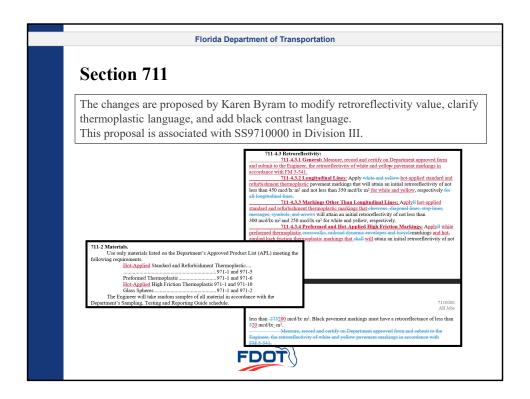
Division II and Division III language was updated to better separate project requirements (Engineer & Contractor) from APL requirements (Manufacturer). This was a joint effort between Program Management and Roadway Standards groups. Proposed 9930000 is the Division III associated specification.



SS7100403 - Painted Pavement Markings.

The Retroreflectivity value for black has been changed from 5 to 20 mcd/lx·m2 (millicandelas per square meter per lux) based on asphalt and concrete retroreflectivity baseline values.

*This proposal is associated with SS9710000 in Division III.



SS7110000 - Thermoplastic Pavement Markings.

*This proposal is associated with SS9710000 in Division III.
The Retroreflectitivity value for black has been changed from 5 to 20 mcd/lx·m2 (millcandelas per square meter per lux) based on asphalt and concrete retroreflectivity baseline values. The Skid Resistance test has been changed from BPN to DFT to better reflect the pavement values and ease of testing. Friction requirements have been applied to all preform materials and the retroreflectivity value has been lowered from 300 to 200 mcd/lx·m2 to accommodate the increased friction and the DFT 40 method. The name of High Friction Thermoplastic may be confused with preform thermoplastic that has friction elements, so the name is to be changed to include Hot Applied. Contract markings were requested by the Districts for crosswalks and stop bars.

Florida Department of Transportation

Section 713

The change is proposed by Karen Byram modify the retroreflectivity value for black pavement markings.

This proposal is associated with SS9710000 in Division III.

PERMANENT TAPE PAVEMENT MARKINGS. (REV 11-16-21)

SUBARTICLE 713-4.3 is deleted and the following substituted:

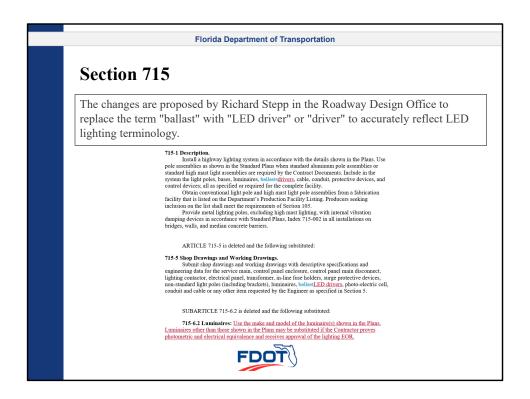
713-4.3 Retroreflectivity: Apply white and yellow pavement markings that will attain an initial retroreflectivity of not less than 450 mcd/lx·m² for white markings and not less than 350 mcd/lx·m² for yellow markings. Black pavement markings must have a retroreflectance of less than 520 mcd/lx·m².

Measure, record and certify on Department approved form and submit to the Engineer, the retroreflectivity of white and yellow pavement markings in accordance with FM 5-541.



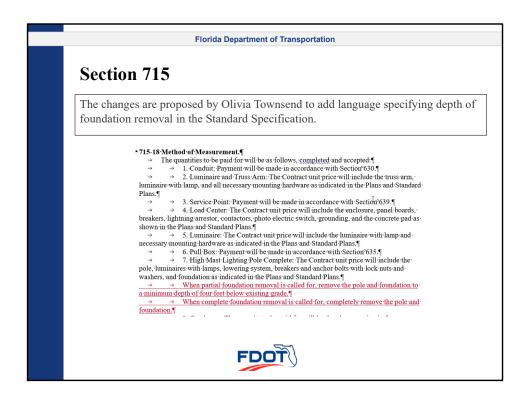
SS7130403 - Permanent Tape Pavement Markings.

*This proposal is associated with SS9710000 in Division III.
The Retroreflectivity value for black has been changed from 5 to 20 mcd/lx·m2 (millicandelas per square meter per lux) based on asphalt and concrete retroreflectivity baseline values.



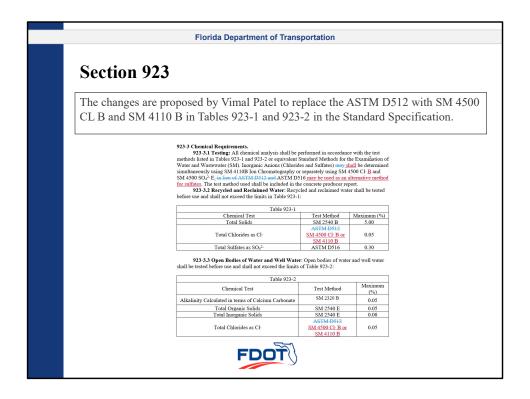
SS7150100 - Highway Lighting System.

For LED lighting technology, an electrical "driver" is used instead of a "ballast". Next, FDM 231 will require the make and model of LED luminaires to be placed in the Plans. Contractors must use this luminaire unless they receive EOR approval to substitute an equivalent model.



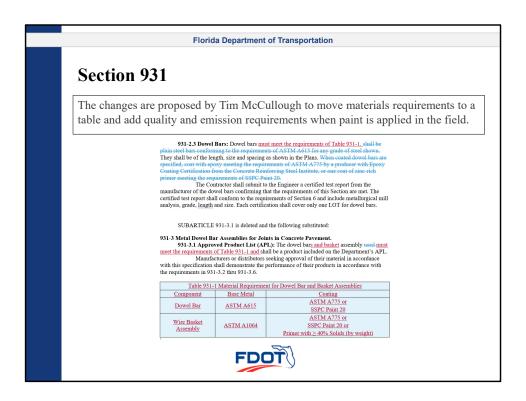
SS7151800 - Highway Lighting System.

Added language to specify depth of foundation removal.



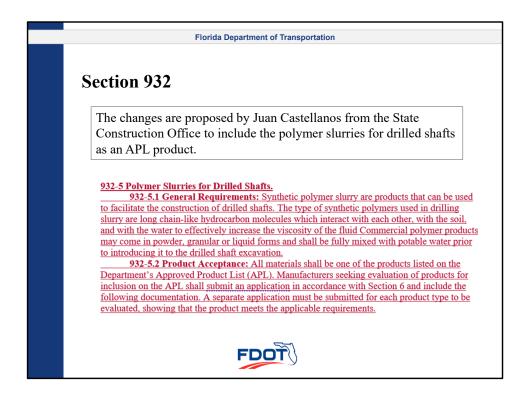
SS9230301 - Water for Concrete.

Replaced the ASTM D512 test method with SM 4500 CL B and SM 4110 B in Tables 923-1 and 923-2.



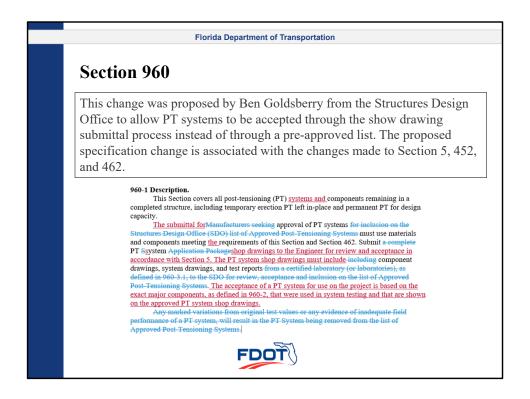
SS9310203 - Metal Accessory Materials For Concrete Pavement And Concrete Structures.

Material requirements for dowel bars have been moved to a table. Material requirements for dowel basket assemblies have been moved to a table. Quality and emission requirements have been added when any field applied paint is used. Structures Design may approve the baskets. The Product Evaluation Office will monitor all approved dowel basket assemblies.



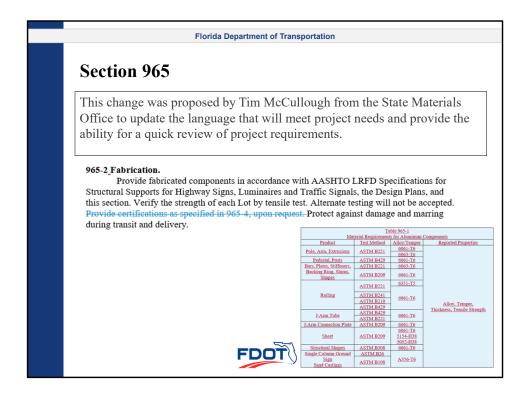
SS9320500 – Nonmetallic Accessory Materials for Concrete Pavement and Concrete Structures.

To include the polymer as an APL product. Add a new article 932-5 to Section 932.



SS9600100 - Post Tensioning Systems.

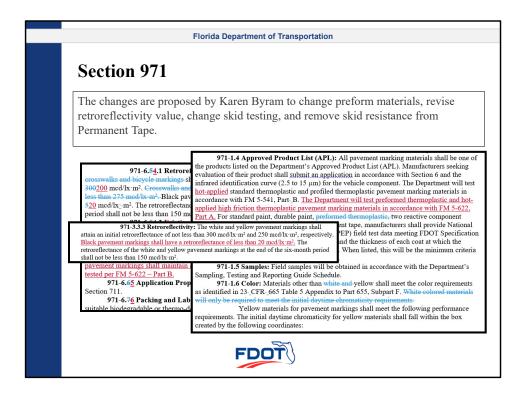
PT systems will be accepted through the shop drawing submittal process instead of through a pre-approved list. Revisions to accept PT systems through the shop drawing submittal process instead of through a pre-approved list.



SS9650000 - General Provisions for Aluminum Items (Including Welding).

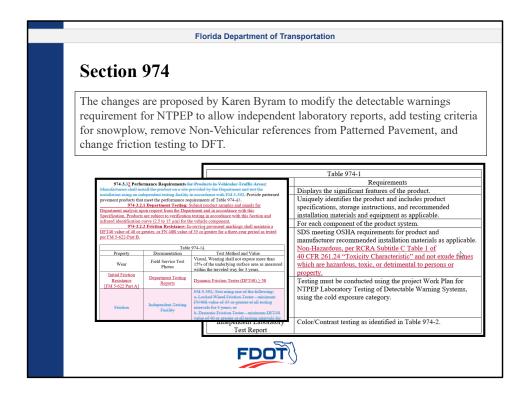
The current Specifications did not meet the external publications, the design standard plans, or the ASTMs. The Specification was out of date and needed to be revised to become a current document that will meet project needs and provide the ability for a quick review of project requirements.

Changed the numbering (sub-section) related the warranty paint requirements from 965-5 to 965-3, due to a reduction in the overall specification. Updated the welding code requirements throughout the document to meet current Code requirements. Introduced material requirements related to fabrication and performance of specific components that reference 965 in other parts of the Specification. Added the requirement for the contractor/producer to report the tensile strength on their certificate of compliance (per ASTM, it must be requested). Changed the request for acceptance to change from a mill certification to a certification of compliance (per ASTM requirements). Requested that certifications be collected for castings only. All other components are made in an approved production shop, have inspectors present or are APL approved products. The Engineer may still request certifications.



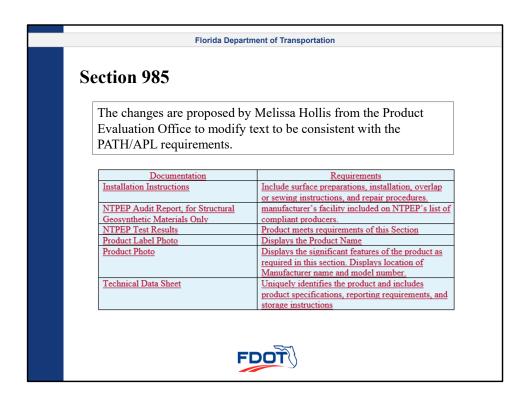
SS9710000 - Pavement Marking Materials.

The Skid Resistance test has been changed from BPN to DFT to better reflect the pavement values and ease of testing. The Retroreflectivity value for black has been changed from 5 to 20 mcd/lx·m2 (millicandelas per square meter per lux) based on asphalt and concrete retroreflectivity baseline values. Friction requirements have been applied to all preform materials and the retroreflectivity value has been lowered from 300 to 200 mcd/lx·m2 to accommodate the increased friction and the DFT 40 method. It has been determined that permanent tape is not used for bicycle markings or pedestrian crosswalks, so friction testing is not needed. The name of High Friction Thermoplastic may be confused with preform thermoplastic that has friction elements, so the name needs to be change to include Hot Applied.



SS9740000 – Surface Applications.

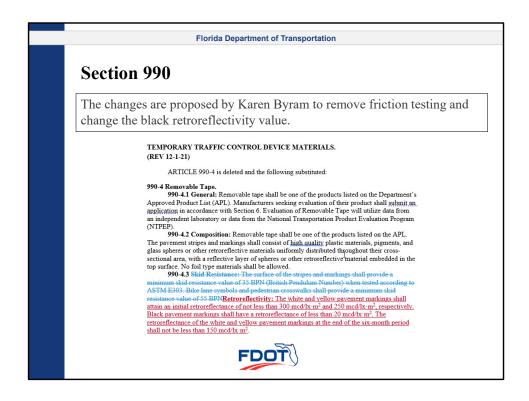
For Detectable Warnings: NTPEP Work plan is under revision. Changes are being made to reflect the changes that will occur in the NTPEP Work plan. The snowplow test reflects that ability to perform when struck by on object.



SS9850000 – Geosynthetic Materials.

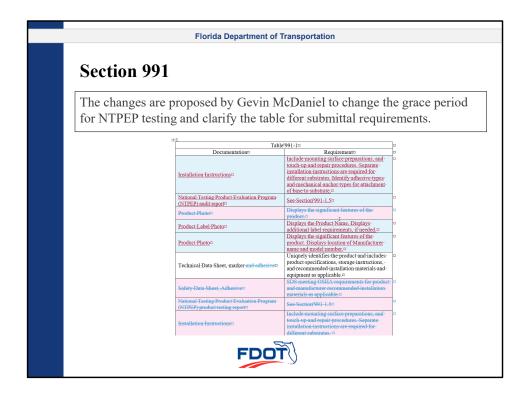
Consistent formatting of PATH/APL requirements.

- 1. Moved common APL requirements to 985-1, applicable to entire Section.
- 2. Rearranged tables based on the application/product type.



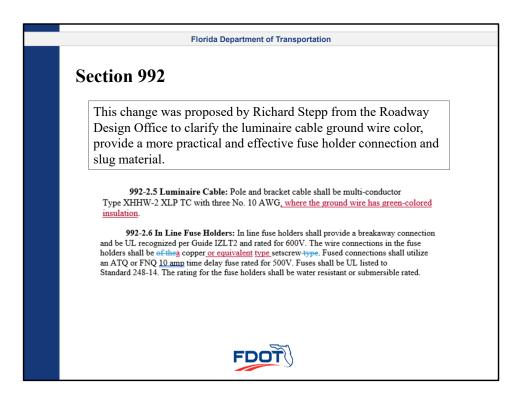
SS9900400 - Temporary Traffic Control Device Materials.

The Retroreflectivity value for black has been changed from 5 to 20 mcd/lx·m2 (millcandelas per square meter per lux) based on asphalt and concrete retroreflectivity baseline values. It has been determined that temporary tape does not need friction testing.



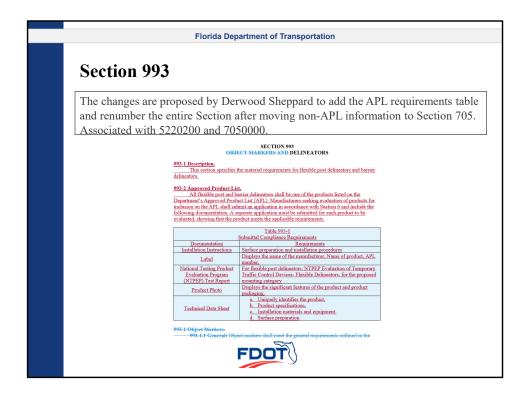
SS9910000 - Channelizing Device Materials.

The grace period for NTPEP testing is being extended due to the delays in testing at the approved facilities. The table for submittal requirements has been updated and clarified.



SS9920205 – Highway Lighting Materials.

- 1. Electrical engineers called for clarification of Luminaire Cable ground wire color (green).
- 2. Manufacturers called for more practical/effective fuse holder connection and slug material.
- 992-2.5: Added requirement for ground wire to have green color to match other cables.
- 992-2.6: Changed requirement for fuse holder connector material to include a "copper equivalent"
- 992-2.8.1: Changed requirement for fuse holder blank from "solid copper" to "manufacturer's suggested" material.



SS9930000 - Object Markers and Delineators.

This specification is being renamed to "Delineators". The APL requirements table was added, and the entire Section was renumbered after moving non-APL information to Section 705.

Florida Department of Transportation

Section 995

This change was proposed by Derek Vollmer from the Traffic Engineer and Operations Office to provide clarification to the language by adding a new Article for Midblock Crosswalk Enhancement Assemblies. The proposed specification change is associated with changes to Section 663, 654, 659, and 665.

995-1 Description.

This Section governs the requirements for all permanent traffic control signals and devices. All equipment shall be permanently marked with manufacturer name or trademark, part number, and date of manufacture or serial number.

995-6 Midblock Crosswalk Enhancement Assemblies.

995-6.1 General: Midblock crosswalk enhancement assemblies shall be listed on the Department's Approved Product List (APL). Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6.

Midblock crosswalk enhancement assemblies are classified as the following types: In-Roadway Light Assemblies and Rectangular Rapid Flashing Beacon Assemblies (RRFB).



SS9950100 - Traffic Control Signal and Device Materials.

The Pelco SP-1127-FL was evaluated and approved without the support tube and top and bottom support arms. To provide flexibility, propose making the support tube and the support arms optional. For 659-2.4, the Contractor will still be required to provide the support tube and arms as part of the assembly.

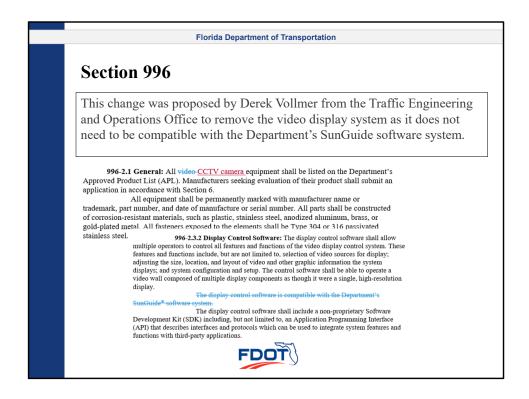
Modify 995-1 to address labeling.

Add new article 995-6 Midblock Crosswalk Assemblies.

Add new article 995-7 Mast Arm, Span Wire, and Pole Mounting Assemblies. Modified 995-7.4 by stating, "Unless the assembly uses a free-swinging mounting method, mast arm mounting assemblies must include the ..."

Add new article 995-8 Signal Priority and Preemption Systems.

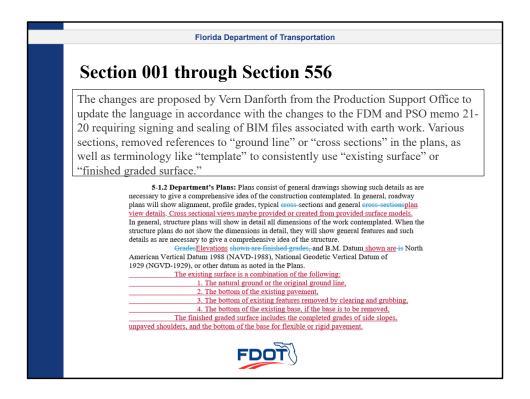
Add new article 995-9 Pedestrian Detection System.



SS9960201 - Intelligent Transportation System Device Materials.

The video display system will not need to be listed on the Department's APL. The display control software does not need to be compatible with the Department's SunGuide software system.

996-2.3.2: Remove "The display control software is compatible with the Department's SunGuide software system."



Section 001 through Section 556 – FDM Thermology

To shift away from cross sections in the Plans to having signed and sealed models for earthwork, in accordance with changes to the FDM and PSO Memo 21-02 requiring signing and sealing of BIM files associated with earthwork.

Updated various sections to remove references to "ground line" or "cross sections" in the plans, as well as terminology like "template" and to consistently use "existing surface" or "finished graded surface."

