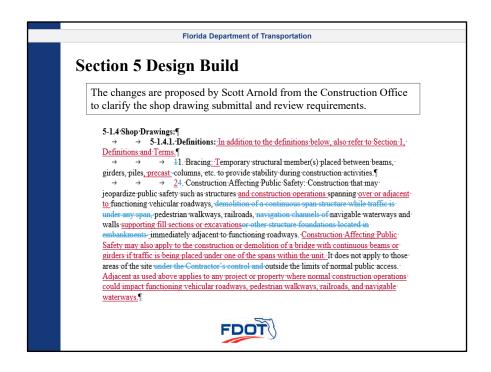


SS0050104 CONTROL OF THE WORK

The proposed revisions will clarify shop drawing submittal and review requirements.

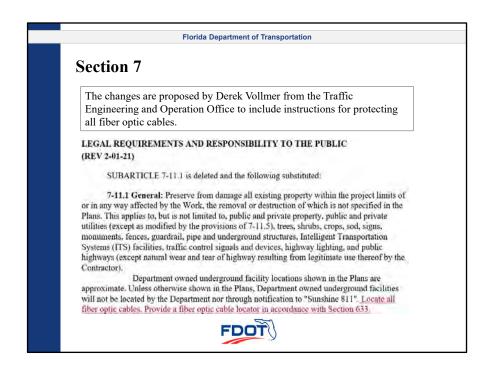
Extensive changes were made to Section 5-1 of the Standard Specifications, see accompanying Word documents. It was decided that we would not change terminology from "shop drawings" to "working drawings", proposed revisions now reflect this.



SS0050104 CONTROL OF THE WORK DESIGN BUILD BOILER PLATE

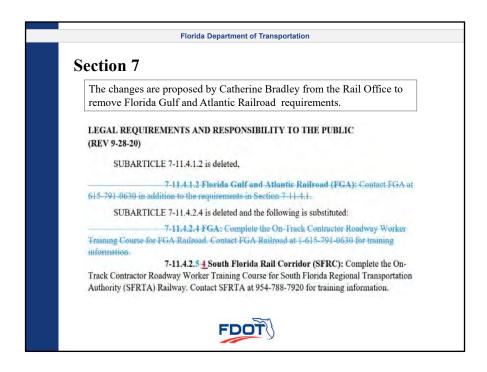
The proposed revisions will clarify shop drawing submittal and review requirements. (See FHWA Memo for detailed changes)

Extensive changes to Section 5-1 of the Design-Build Specifications, see accompanying Word documents. It was decided that we would not change terminology from "shop drawings" to "working drawings", proposed revisions now reflect this.



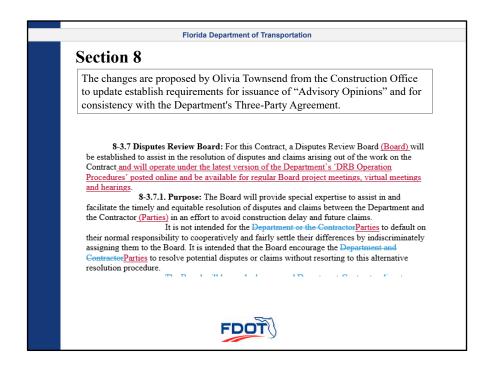
SS0071101 - LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC

Include instructions for protecting all fiber optic cables.



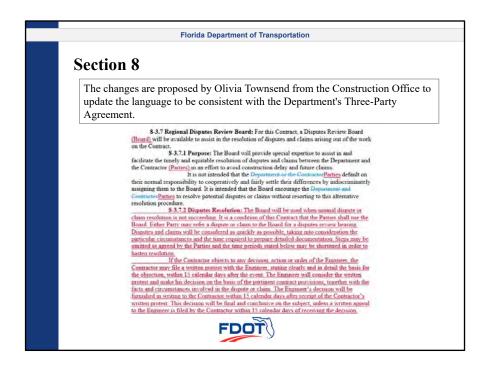
SP0071104 - LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC

These requirements are removed for Florida Gulf and Atlantic Railroad.



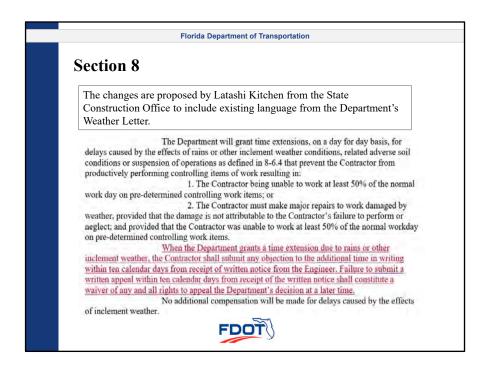
SP0080307DRB PROSECUTION AND PROGRESS – PROSECUTION OF WORK – DISPUTE REVIEW BOARD.

Updated establish requirements for issuance of "Advisory Opinions" and for consistency with the Department's Three-Party Agreement.



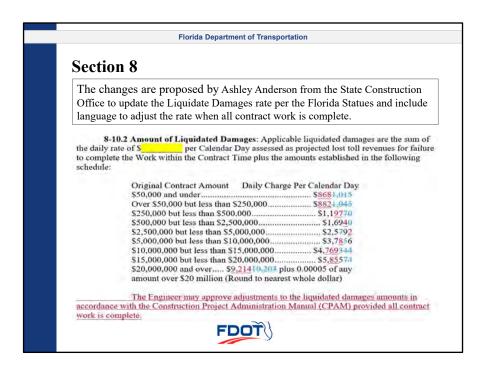
SP0080307RDRB Prosecution and Progress - Prosecution of Work – Regional Dispute Review Board.

To update the language to be consistent with the Department's Three-Party Agreement.



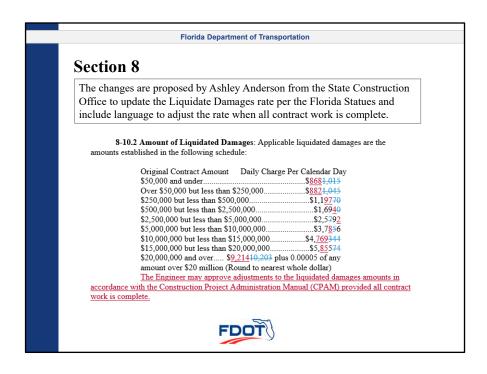
SS0080703-PROSECUTION AND PROGRESS

Include existing language from the Department's Weather Letter.



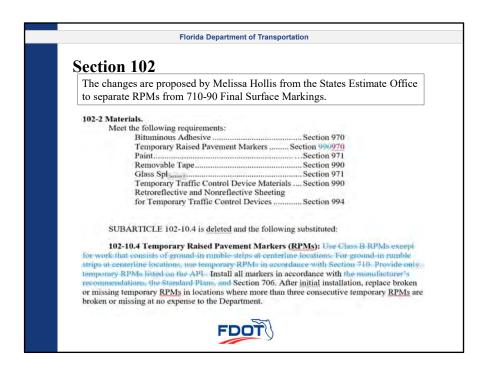
SP0081000 PROSECUTION AND PROGRESS – LIQUIDATED DAMAGED FOR FAILURE TO COMPLETE THE WORK

To update the Liquidate Damages rate per the Florida Statues and include language to adjust the rate when all contract work is complete.



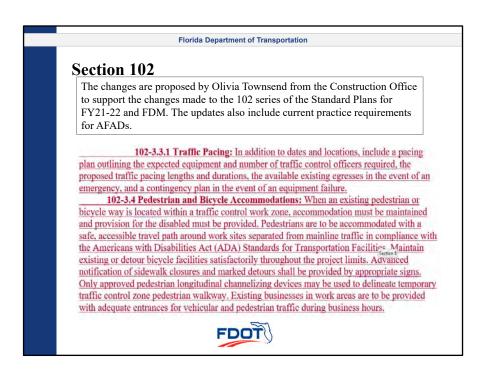
SS0081002 PROSECUTION AND PROGRESS

To update the Liquidate Damages rate per the Florida Statues and include language to adjust the rate when all contract work is complete.



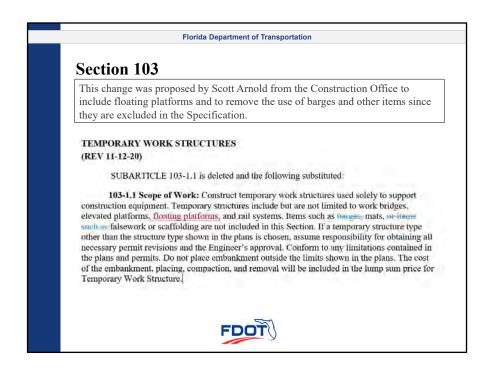
SS1020200 Maintenance of Traffic.

Updated to separate RPMs from 710-90 Final Surface Markings. With improved CADD models, the quantity of RPMs can be separately quantified. Plan quantity measurement will minimize field adjustments to the quantity.



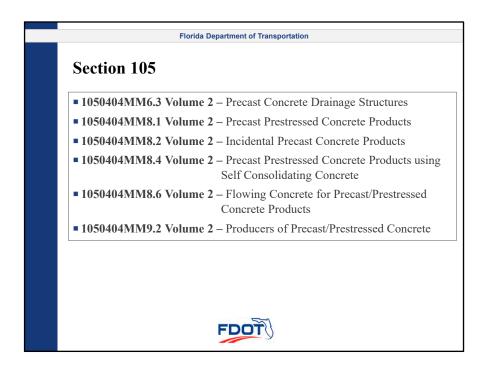
SS1020300 Maintenance of Traffic.

Updated to support the changes made to the 102 series of the Standard Plans for FY21-22 and FDM. The updates also include current practice requirements for AFADs.



SS1030101 TEMPORARY WORK STRUCTURES

Updated to include floating platforms and to remove the use of barges and other items since they are excluded in the Specification.



1050404MM6.3V2 Contractor Quality Control General Requirements
Frank Thomas updated to include laboratory trial and production testing for ASTM concrete mix designs and requirements for QC staff to obtain the FRP Reinforcement Producer's notarized Material Certification in addition to the Certificate of Analysis.

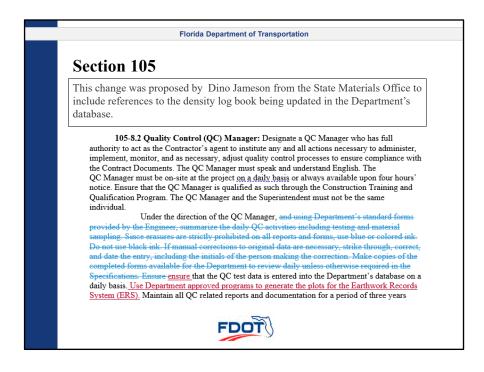
1050404MM8.1V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS Frank Thomas of SMO updated to include requirement for QC staff to obtain the FRP Reinforcement Producer's notarized Material Certification in addition to the Certificate of Analysis.

1050404MM8.2V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS Frank Thomas of SMO updated to include requirement for QC staff to obtain the FRP Reinforcement Producer's notarized Material Certification in addition to the Certificate of Analysis.

1050404MM8.4V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS Frank Thomas of SMO updated to adjust the ASTM C478 production testing requirements, since they are being clarified in MM 6.3.

1050404MM8.6V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS Frank Thomas of SMO updated to adjust the ASTM C478 production testing requirements, since they are being clarified in MM 6.3.

1050404MM9.2V2 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS
Jose Armenteros updated to simplify the language related to sampling and testing
process of concrete chlorides. Changes also include updating Appendix "A" to remove
references to concrete total revolutions in concrete delivery ticket



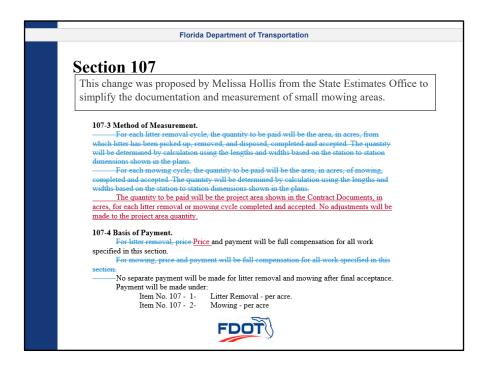
SS1050101 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS

To include references to the density log book being updated in the Department's database.

Florida Department of Transportation **Section 105** This change was proposed by John Westphal from the Construction Office to include floating platforms and to remove the use of barges and other items since they are excluded in the Specification. 105-8.6.2 Concrete Field Inspector - Level 2: Ensure field inspectors responsible for the quality of concrete being placed on the following structure types are qualified CTQP Concrete Field Inspectors Level 2: Moveable bridges 2. Bridges over a water opening of 1,000 feet or more 3. Bridges with a span of 190 feet or more 4. Cable supported or cable stayed bridges 5. Post-tensioned bridges 6. Steel girder or steel truss bridges 7. Multi-level roadways With the exception of concrete traffic railing and bridge approach slab placements, a Level 2 Inspector must be present on the jobsite during all concrete placements. Prior to the placement of concrete, the inspector will inspect the element to be cast to ensure compliance with Contract Documents. A Level 2 Inspector's duties may include ensuring that concrete testing, inspection, and curing in the field are performed in accordance with the Contract Documents. The QC Inspector will inform the Verification Inspector of anticipated concrete placements and LOT sizes. FDOT

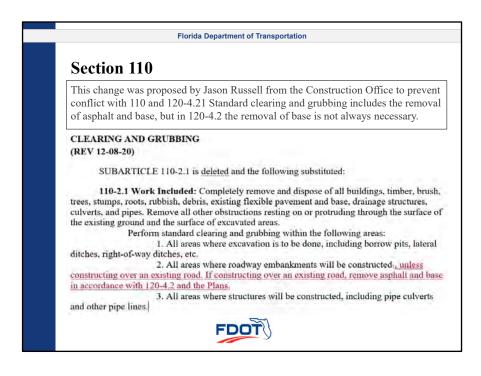
SS1050806 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS.

To remove the requirement for CTQP Concrete Field Inspector Level 2 on bridge approach slab concrete placements.



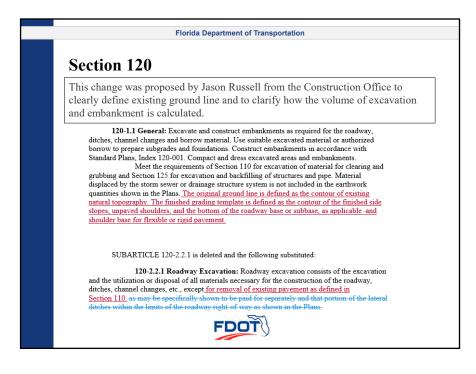
SS1070100 LITTER REMOVAL AND MOWING.

Updated to simplify the documentation and measurement of small mowing areas.



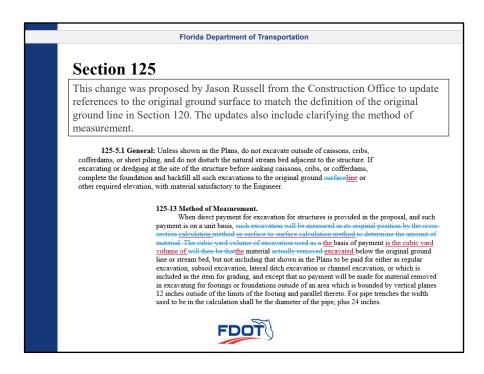
SS1100201 CLEARING AND GRUBBING.

To prevent conflict with 110 and 120-4.21 Standard clearing and grubbing includes the removal of asphalt and base, but in 120-4.2 the removal of base is not always necessary.



SS1200101 CLEARING AND GRUBBING.

Updated to clearly define existing ground line and to clarify how the volume of excavation and embankment is calculated.



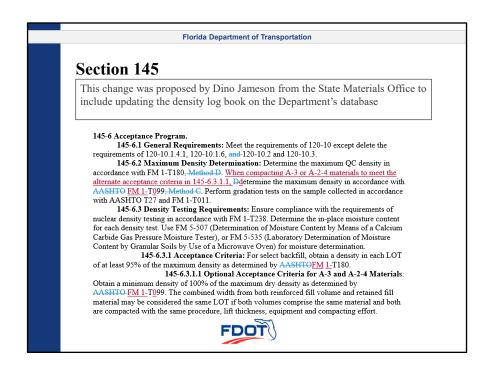
SS1250501 EXCAVATION FOR STRUCTURES AND PIPE.

To update references to the original ground surface to match the definition of the original ground line in Section 120. The updates also include clarifying the method of measurement.

Florida Department of Transportation **Section 125** This change was proposed by Dino Jameson from the State Materials Office to include updating the density log book on the Department's database EXCAVATION FOR STRUCTURES AND PIPE (REV 11-06-20) SUBARTICLE 125-8.1.6.1 is deleted and the following substituted: 125-8.1.6.1 Thick Lift Requirements: The Contractor may elect to place material in thicker lifts of no more than 12 inches compacted thickness above the Soil Envelope if the embankment material is classified as Group 1 in the table below. If the embankment material is classified as Group 2 in the table below and the Contractor chooses to place material in thicker lifts of no more than 12 inches compacted thickness above the soil envelope then the Contractor must demonstrate with a successful test section that density can be achieved. Thick lift around structures is only allowed above the soil envelope of the connecting pipe. Notify the Engineer in writing prior to beginning construction of a test section. Construct a test section of the length of one LOT. Perform five quality control (QC) tests at random locations within the test section. All five tests must meet the density required by 125-9.2 and be verified by the Department. Identify the test section with the compaction effort and soil classification in the Log Book Earthwork Records System (ERS) section of the Department's database. In case of a change in compaction effort or soil classification, construct a new test section. When a QC test fails the requirements of 125-9.2 or when the QC tests cannot be verified, construct a new test section. The Contractor may elect to place material in 6 inches compacted thickness at any time. FDOT

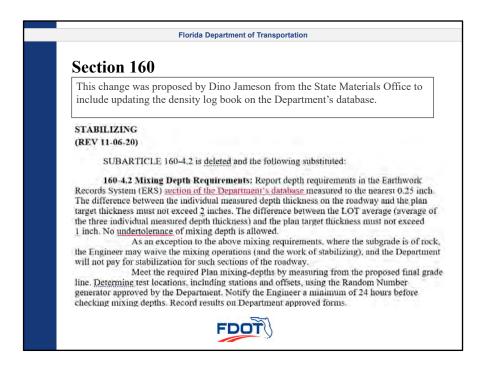
SS1250801 EXCAVATION FOR STRUCTURES AND PIPE.

Updated to include updating the density log book on the Department's database



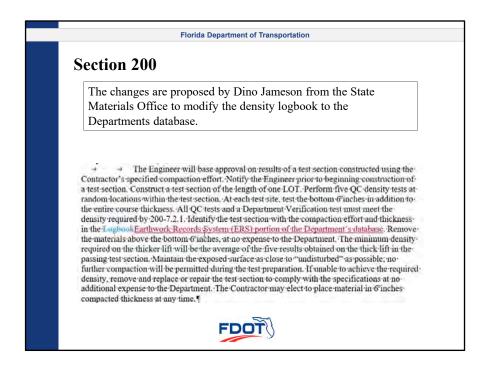
SS1450600 GEOSYNTHETIC REINFORCEMENT

Updated to include updating the density log book on the Department's database



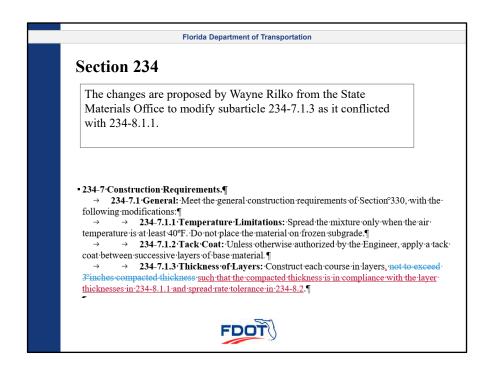
SS1600402 STABILIZING.

Updated to include updating the density log book on the Department's database.



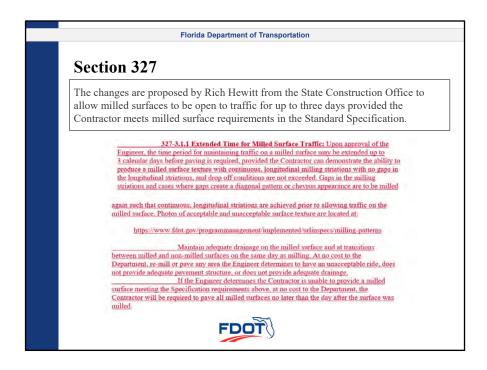
SS2000502 - ROCK BASE

References to the density logbook need to be updated to Department's database.



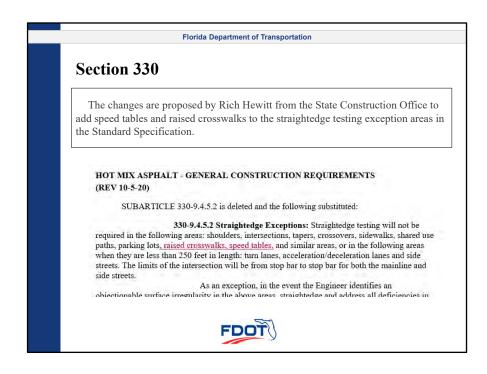
SS2340701 - SUPERPAVE ASPHALT BASE

- -7.1.3 conflicts with -8.1.1.
- -7.1.3 Thickness of Layers: Construct each course in layers such that the compacted thickness does not exceed the maximum layer thickness in 234-8.1.1.



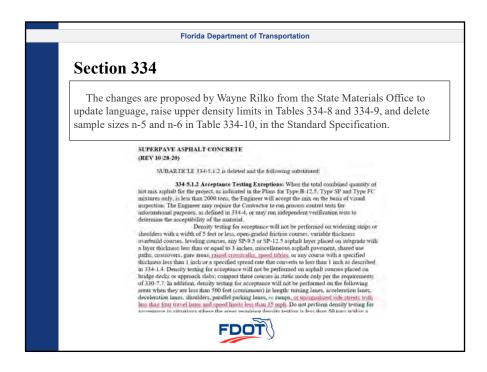
SS3270301 MILLING OF EXISTING ASPHALT PAVEMENT

Extended time for milled surfaces to be open to traffic if Contractor meets required conditions.



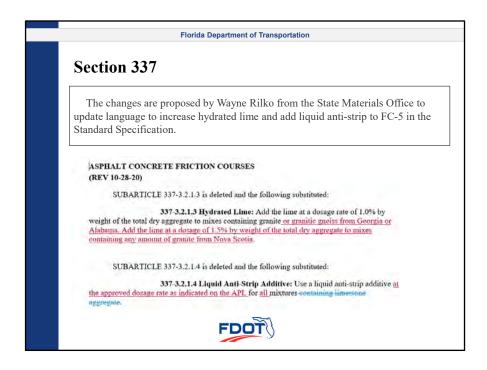
SS3300904 HOT MIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS

Change made to add speed tables and raised crosswalks to the straightedge testing exception areas due to the large degree of handwork, as well as variable thickness paving. If Engineer finds an area to be objectionable, can still be tested where 3/8" is a deficiency.



SS3340501 SUPERPAVE ASPHALT CONCRETE

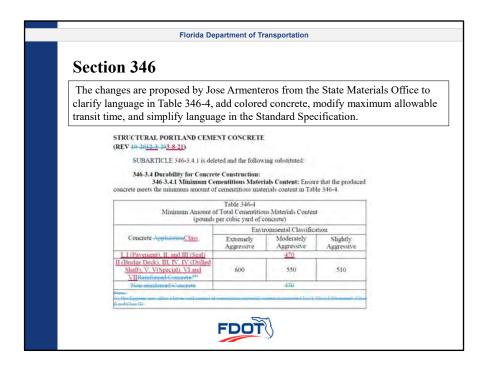
-5.1.2, added speed tables, raised cross walks and side streets. Table 334-8, raise the upper density limits. Table 334-9, raise the upper density limits. Table 334-10, delete sample size n=5 and n=6.



SS3370302 ASPHALT CONCRETE FRICTION COURSES

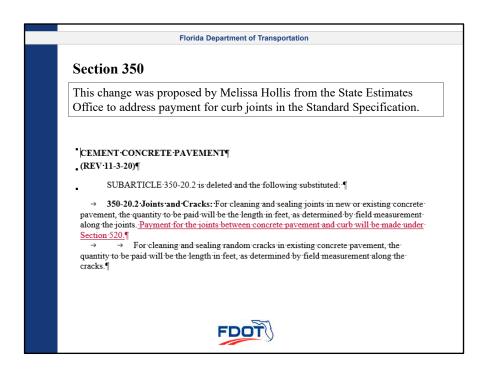
Recently completed research indicates increased life spans for FC-5 granite aggregate mixtures when using hydrated lime and liquid anti-strip.

Added an additional 0.5% lime to FC-5 mixtures with Nova Scotia granite. Add liquid anti-strip to all FC-5 mixtures.



SS3460304 STRUCTURAL PORTLAND CEMENT CONCRETE

Per Industry request, Table 346-4 language was clarified. Per DMRO request (1) colored concrete was added, (2) exceptions to the Maximum Allowable Transit Time were added (3) adding water to the concrete at the jobsite was clarified to avoid current misinterpretations.

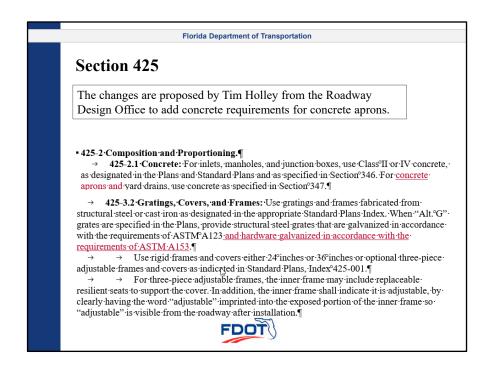


SS3502002 CEMENT CONCRETE PAVEMENT

Change is to clarify no separate payment for curb joints.

Note: No separate payment is made for joint (shown on Standard Plans 520-001), either under Section 350 or 520.

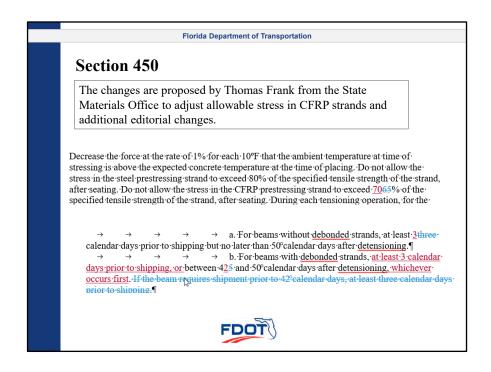
Added text: No separate payment will be made for curb joints.



SS4250201 INLETS, MANHOLES, AND JUNCTION BOXES.

Requirements that were in the Standard Plans are being moved into the proper document with the update of the 425 Series Indexes.

Added concrete requirements for concrete aprons. Clarified that hardware is required to be galvanized along with grates when Alt. G is specified. Added payment information for Performance Turf. Added concrete apron to list of items paid for with the structure.



SS4500802 PRECAST PRESTRESSED CONCRETE CONSTRUCTION

Adjusted allowable stress in CFRP strand for consistency with AASHTO Guide Specifications and Structures Design Guidelines. Corrected typo regarding beam end epoxy application time frame. Minor editorial changes. Removed unnecessary space.

Florida Department of Transportation

Section 455 – Design-Build

The changes are proposed by Juan Castellanos from the Construction Office to simplify the requirements for the CSL tomography analysis

→ → When a shaft contains four tubes, test every possible tube combination. For shafts with five or more tubes, test all pairs of adjacent tubes around the perimeter, and one-half of the remaining number of tube combinations, as chosen by the Engineer. Pull the probes simultaneously, starting from the bottoms of the tubes, over an electronic depth measuring device. Perform the CSL tests with the source and receiver probes in the same horizontal plane. Continuously record CSL signals at depth intervals of 2-1/2° inches or less from the bottom of the tubes to the top of each shaft. Remove all slack from the cables prior to pulling to provide accurate depth measurements in the CSL records. When the measurements indicate a 30% or greater reduction in velocity between one or more pairs take one or two concrete cores to allow

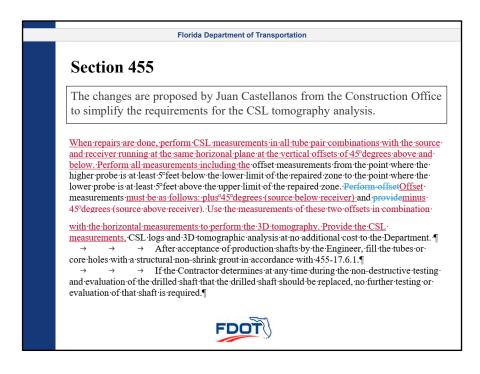
further-evaluation and repair, or replace the shaft as directed by the Engineer. Determine the location of the concrete cores by performing 3D tomographic analysis using the CSL measurements. The core depths shall be at least 5 feet deeper than the bottom of the anomaly determined by the 3D tomography analysis or full depth if the anomaly is within 5 feet of the bottom of the shaft. The Engineer may accept a drilled shaft without rock cores if an EAR demonstrates that the anomaly does not affect the structural and the geotechnical axial capacity, the structural and geotechnical lateral stability, the settlement behavior of the shaft, and that the anomaly will not impact the durability of the foundation perform 3D tomography analysis as indicated below. ¶

FDOT

SP45500000DB STRUCTURES FOUNDATIONS (DESIGN BUILD)

To simplify the requirements for CSL "Ta- Ma-graphy" analysis.

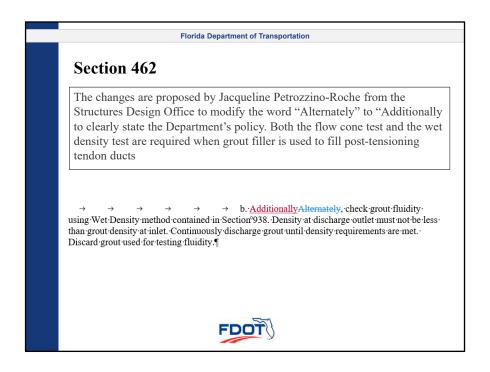
Eliminate the offset measurements to perform 3D tomography for the purpose of selecting the core locations. Reduce from four to two offset CSL measurements for the purpose of performing 3D tomography to evaluate a Drilled Shaft repair.



SS4551706 STRUCTURES FOUNDATIONS

To simplify the requirements for CSL tomography analysis.

Eliminate the offset measurements to perform 3D (TA – Ma-graphy) tomography for the purpose of selecting the core locations. Reduce from four to two offset CSL measurements for the purpose of performing 3D tomography to evaluate a Drilled Shaft repair.



SS4620704 POST-TENSIONING

The change in language is needed to clearly state the Department's policy. Both the flow cone test and the Wet Density Test are required when grout filler is used to fill post-tensioning tendon ducts.

Change the word "Alternately" to "Additionally" in Section 462-7.4.1.5.3.2.b. Both the flow cone test and the Wet Density Test are required when grout filler is used to fill post-tensioning tendon ducts.

Florida Department of Transportation

Section 475 – Design-Build SP

The changes are proposed Larry Ritchie from the State Construction Office to remove the existing Developmental Specification 457 and incorporate the language as a Design-Build Special Provision.

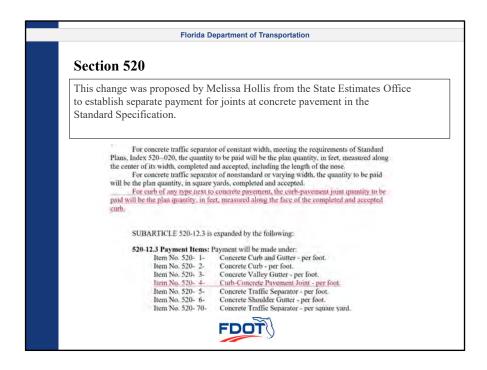
475-8 Traffic Control.

During remedial action operations, perform all signing and traffic control in accordance with the current edition of the Department's Design Standards, Traffic Control through Work Zones. Provide Maintenance of Traffic (MOT) during remedial work at no additional cost to the Department. For non-emergency remedial work, the Engineer must approve all lane closures and traffic control plans in advance and notification of lane closures shall be made to the Engineer 5 days48-hours in advance. For emergency remedial work and if the Responsible Party requests it, the Department will provide temporary MOT until the Engineer approves the Responsible Party's Traffic Control Plan. If MOT is requested, the Responsible Party shall reimburse the Department for all temporary MOT costs. In addition, if the urgency of the remedial work is such that the Department must provide MOT immediately and without delay prior to contacting the



SP47500000DB VALUE ADDED BRIDGE COMPONENTS

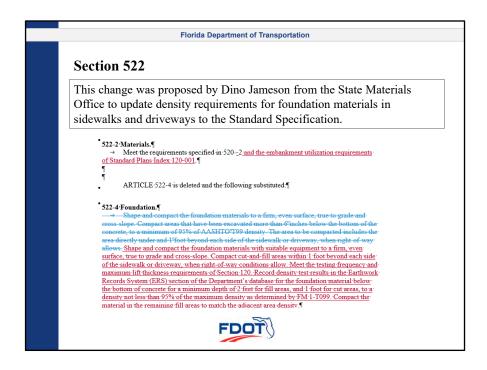
Requesting to change Developmental Specification 475 to Special Provision 475 which can be added to Design Build Projects.



SS5200602 CONCRETE GUTTER, CURB ELEMENTS, AND TRAFFIC SEPARATOR

Allows for separate payment for joint between curb and concrete pavement.

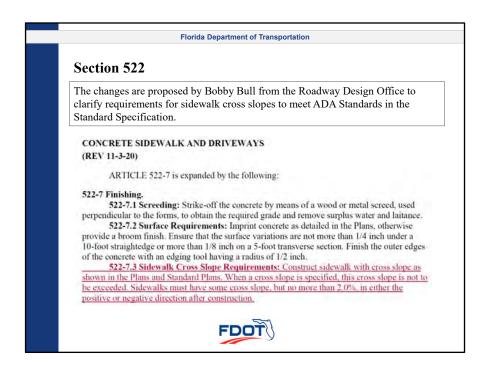
Per coordination with FTBA, work for joint at concrete pavement is different from Curb or Concrete Pavement-Concrete Pavement joints.



SS5220200 CONCRETE SIDEWALK AND DRIVEWAYS

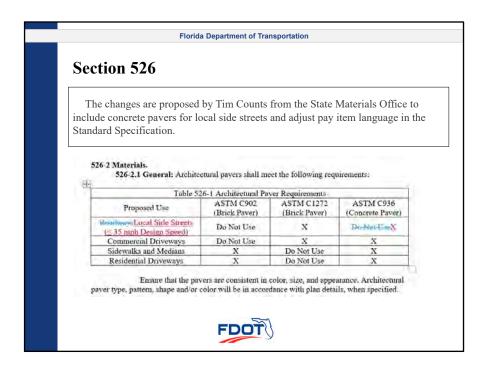
Needs update to density requirements for foundation materials for sidewalks and driveways.

Only require density reported into the logbook for 2 ft beneath the sidewalk for fill areas and 1 foot for cut areas.



SS5220703 CONCRETE SIDEWALK AND DRIVEWAYS

New language will be added as 522.-7.3 stating the sidewalk slope requirements for when slopes are both specified and not specified in the plans.

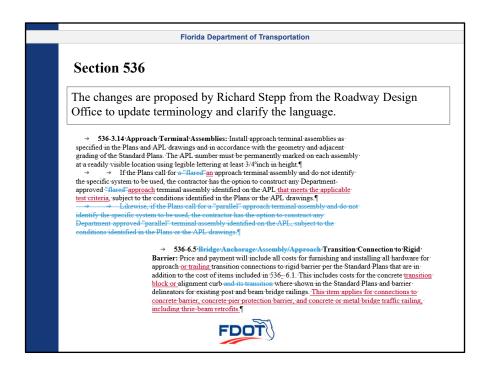


SS5260201 ARCHITECTURAL PAVERS

Needed to include Concrete pavers for local side streets and adjust Pay Item language per Melissa Hollis.

Table 526-1 updated to include concrete pavers for use in local sides streets (Less than 35mph)

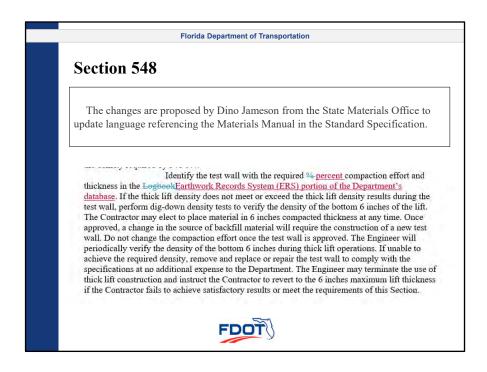
526-5 Pay items listed as Architectural Pavers only.



SS5360314 GUARDRAIL

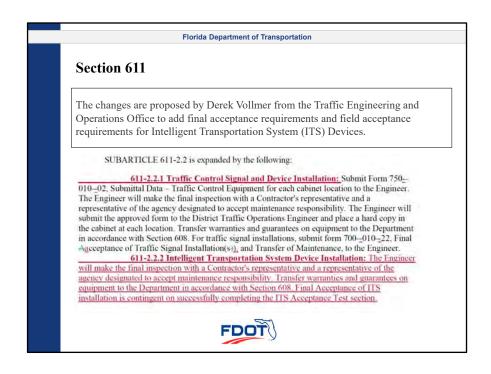
"Flared" Approach Terminals are no longer used per MASH policy (RDB 18-02); The old term "Bridge Anchorage Assembly" is now phased out and new "Transition Connection to Rigid Barrier" received clarifications for inclusions and now includes trailing end connections.

"Flared" approach terminal terms removed; "Bridge Anchorage Assembly" term removed. "Transition Connection to Rigid Barrier" received clarifications for inclusions. Removed "Trailing End Transition Connection" from inclusion with Guardrail Pay Item.



SS5480805 RETAINING WALL SYSTEMS

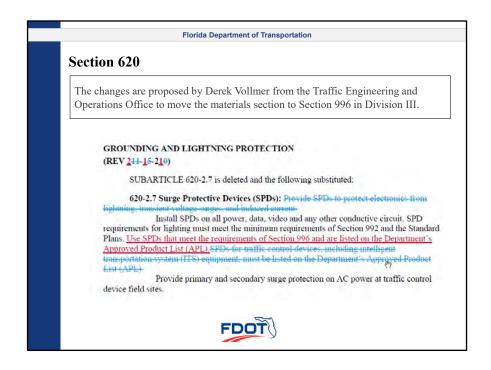
References to the density logbook need to be updated to Department's database.



SS6110202 ACCEPTANCE PROCEDURES FOR TRAFFIC CONTROL SIGNALS, DEVICES, AND INTELLIGENT TRANSPORTATION SYSTEM DEVICES. (FINAL REVISION)

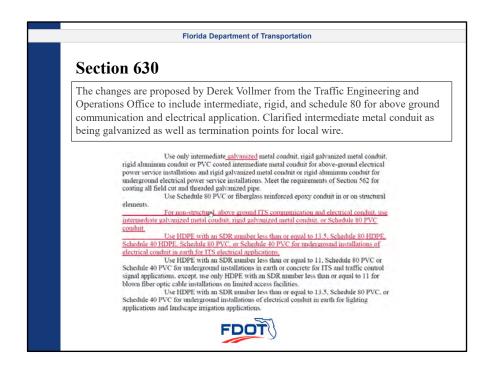
Added "Intelligent Transportation System Devices" to Section 611 title. Add a separate subarticle 611-2.2.2 for ITS device's final acceptance and 611-4.2 for ITS devices field acceptance. Add ITSFM deliverables description in 611-2.3.1 and new subarticles 611-8, 611-9.

A new pay item was also established in the Standard Specification. Please note this proposal is associated with proposed revisions 7000419, 6600202, 6820104, and 6480104.



SS6200207 GROUNDING AND LIGHTNING PROTECTION

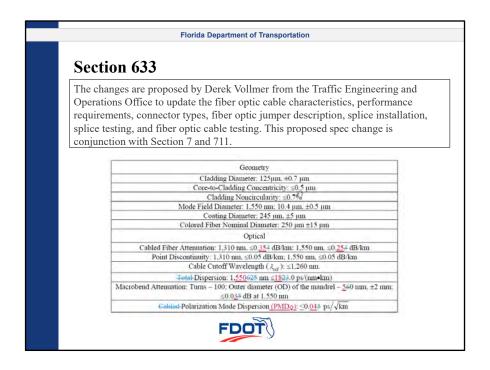
The materials subarticles (620-2.7, 620-2.7.1, 620-2.7.2, 620-2.7.3, 620-2.7.4, 620-2.7.5) have been moved Section 996 in Division III. The materials article in this section has been moved from Section 620 in Division II to Section 996 in Division III.



SS630301 CONDUIT

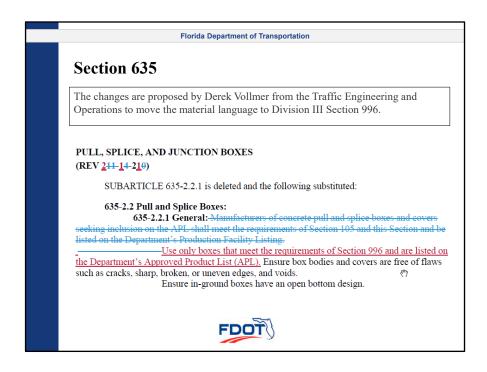
Added intermediate, rigid, and sch 80 for above ground communication and electrical application. Electrical conduit must be UL listed. Added HDPE, sch 80, and sch 40 for electrical conduit. Clarified intermediate metal conduit as being galvanized. Clarified termination points for locate wire.

660-3.1: Added "galvanized". Added above ground and under ground conduit for electrical applications. 660-3.7: Added "galvanized". 660-3.9: Clarified locate wire termination.



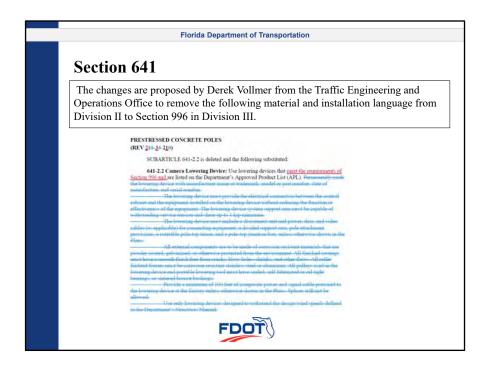
SS6330201 COMMUNCATION CABLE

Updated the fiber optic cable characteristics, performance requirements, connector types, fiber optic jumper description, splice installation, splice testing, fiber optic cable testing. Add fiber optic cable locator subarticle, measurement, pay item. 633-2.1.1.1:table;633-2.1.1.4:strength member;633-2.1.1.6:sheath removal;633-2.1.1.9.1:temperature;633-2.1.3:connector type;633-2.1.4:connector type;633-2.1.5:jumper cable;633-3.1.5:splice connection;633-3.1.8:Fiber results format;633-5:locator;633-7.



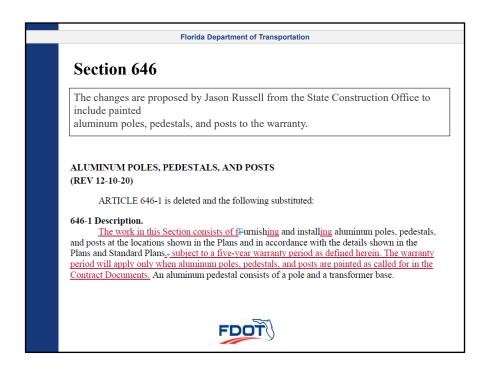
SS6350202 PULL, SPLICE, AND JUNCTION BOXES

The materials subarticles in this section has been moved Section 996 in Division III. Metal junction boxes should be grounded to address shock hazards. Subarticles 635-2.2.1 through 635-2.2.5 in Division II has been moved to Article 996-5 in Division III. In 635-3.1, added a sentence for grounding metal junction boxes.



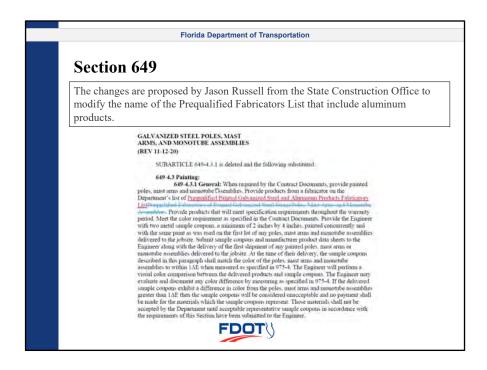
SS6410202 PRESTRESSED CONCRETE POLES

For clarity between materials and installation methods in the SSRBC, the materials subarticles (641-2.2, 641-2.2.1, 641-2.2.2, 641-2.2.3, 641-2.2.4, 641-2.2.6) in Division III. Subarticles 641-2.2.1 through 641-2.2.6 in Division II has been moved to Article 996-6 in Division III.



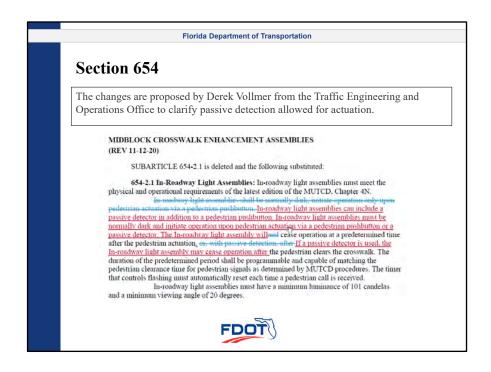
SS6460100 ALUMINUM POLES, PEDESTALS, AND POSTS

Changes needed to include painted aluminum light poles, pedestals, and posts to the warranty program. Add warranty and qualification language for painted aluminum poles, pedestals, and posts.



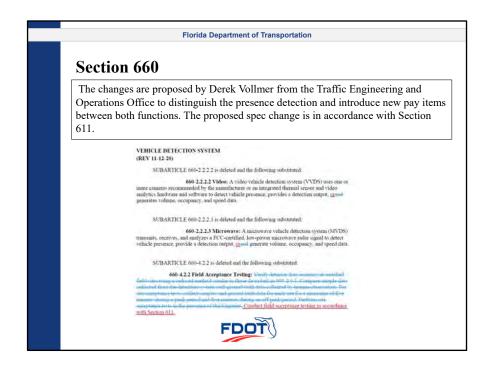
SS6490403 GALVANIZED STEEL POLES, MAST ARMS, AND MONOTUBE ASSEMBLIES

Minor nomenclature change for consistency with the SCO website, other specifications, documents, and forms. Minor name change to the Prequalified Fabricators List to include aluminum products.



SS6540201 MIDBLOCK CROSSWALK ENHANCEMENT ASSEMBLIES

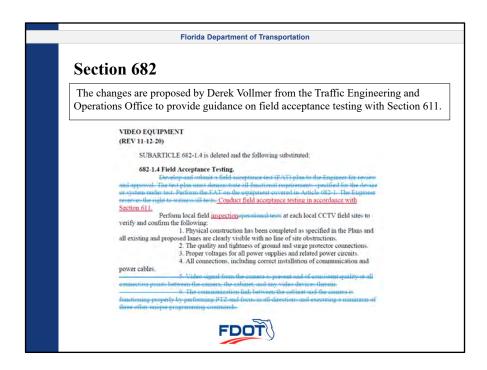
The passive detection is another way to activate the In-Roadway Light Assemblies and Rectangular Rapid Flashing Beacons (RRFB). The stated RRFB flashing pattern should be implemented for all deployments. The new sign is being referenced. In 654-2.1 and 654-2.2.3 clarify passive detection allowed for actuation. In 654-2.2.2, added "No other flash patterns shall be selectable via hardware or software". In 654-2.2.3 added reference to sign FTP-68C-21. 654-6, added midblock crosswalk to pay item name.



SS6600202 VEHICLE DETECTION SYSTEM

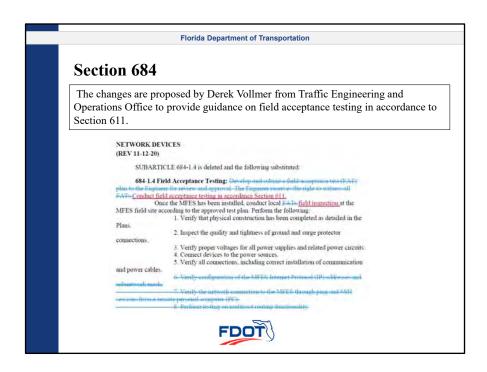
Video detectors and microwave detectors have two separate functions, providing presence detection as well as volume, occupancy, speed (VOS) detection. Two different types of detectors provide the two different functions. To help differentiate between the two function types, additional pay items are introduced. Also, link field testing to Section 611.

In 660-2.2.2.2 and 660-2.2.2.3, to distinguish between the presence detection and VOS detection, replace "and" with "or". Introduce Pay Items 660-9 and 660-9 to distinguish between both functions. In 660-4.2.2, add reference to Section 611.



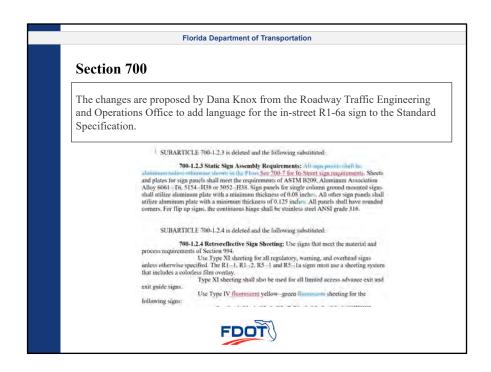
SS6820104 VIDEO EQUIPMENT

The Subarticle 611-4.2 offers guidance on the field acceptance testing as well as referencing the FDOT Form 750-040-08, CCTV Standalone Test Plan. In 682-1.4, the field acceptance testing shall be performed in accordance with 611.



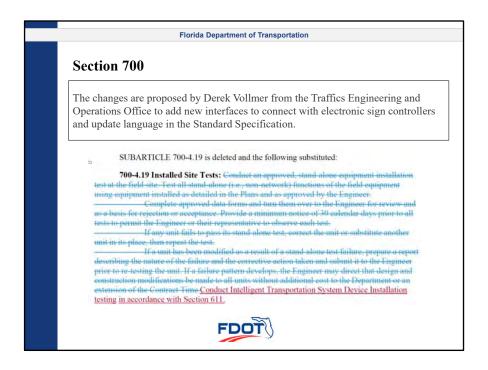
SS6840104 NETWORK DEVICES

The subarticle 611-4.2 offers guidance on the field acceptance testing as well as referencing the FDOT Form 750-040-07, MFES Standalone Test Plan. In 684-1.4, the field acceptance testing shall be performed in accordance with 611.



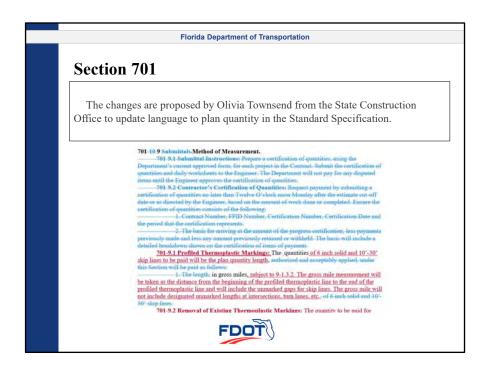
SS7000102 HIGHWAY SIGNING

Added language for the in-street R1-6a sign.



SS7000419 - HIGHWAY SIGNING

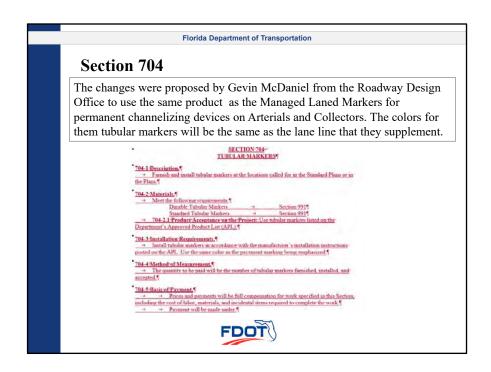
Electronic display sign vendors have requested additional types of interfaces to connect to the sign controller. Testing will be done in accordance with the new language in Section 611. Operational and Acceptance Testing will be removed.



SS7010900 PROFILED THERMOPLASTIC PAVEMENT MARKINGS

The language needed to be updated from certified quantity to plan quantity for applied profiled thermoplastic markings.

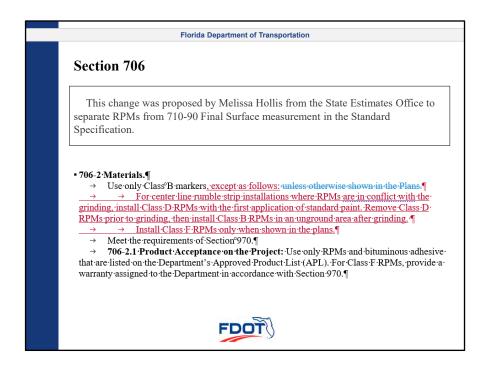
Deleted Article 701-9 and updated method of measurement (710-10) to plan quantity for Profiled Thermoplastic Markings.



SS7040000 TUBULAR MARKERS

This Specification change is in line with moving the needle on the vital few by providing a more visible and durable product as a channelizing device to improve the safety of bicyclists and pedestrians on arterials and collectors. Until now, this product has been used on Managed Lane to preclude lane changing. The durability, visibility and larger diameter of these products are desired. The increased durability will also benefit the department and improved safety by not having to be replaced as often. The reduction in MOT operations for replacement drastically improved safety on our roadways.

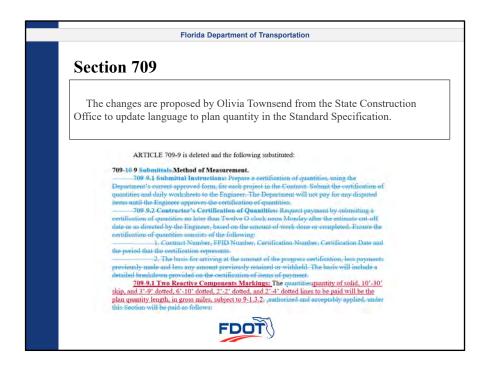
These products have a slightly higher initial cost over "high performance delineators"; however, the long-term savings in maintenance greatly outweighs the increased initial cost. As stated above, the fewer MOT operations improve safety, mobility, and further reduce costs. There is no change to consultant fees.



SS7060200 – RAISED PAVEMENT MARKERS AND BITUMINOUS ADHESIVE

This change was proposed to separate RPMs from 710-90 Final Surface Markings. With improved CADD models, the quantity of RPMs can be separately quantified. Plan quantity measurement will minimize field adjustments to the quantity.

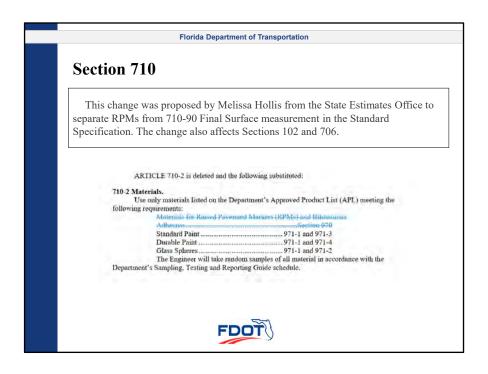
Please note there are two other proposed revisions associated to this revision, 1020200, and 7100200.



SS7090900 TWO REACTIVE COMPONENTS PAVEMENT MARKINGS.

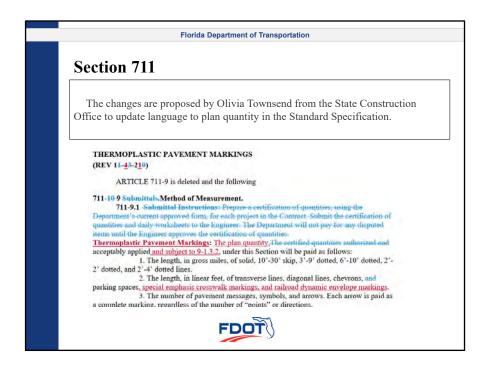
The language needed to be updated from certified quantity to plan quantity for two reactive component markings.

Deleted Article 709-9 and 709-11 and updated method of measurement and basis of payment to plan quantity for two reactive component markings.



SS7100200 PAINTED PAVEMENT MARKINGS

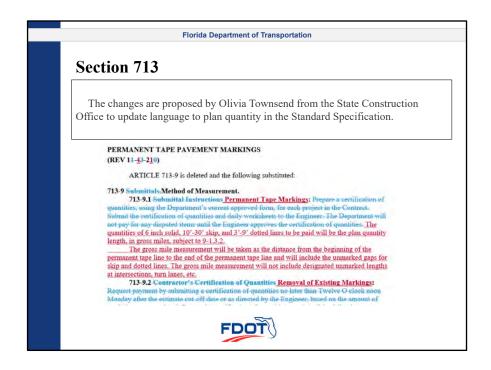
This change was proposed to separate RPMs from 710-90 Final Surface Markings. With improved CADD models, the quantity of RPMs can be separately quantified. Plan quantity measurement will minimize field adjustments to the quantity.



SS7110900 THERMOPLASTIC PAVEMENT MARKINGS

The language needed to be updated from certified quantity to plan quantity for thermoplastic pavement markings.

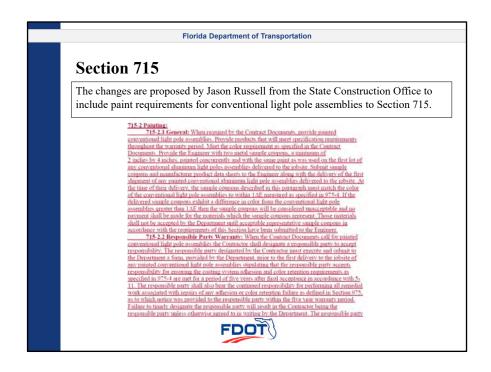
Deleted Article 711-9 and updated method of measurement and basis of payment to plan quantity for thermoplastic pavement markings.



SS7130900 PERMANENT TAPE PAVEMENT MARKINGS

The language needed to be updated from certified quantity to plan quantity for permanent tape markings.

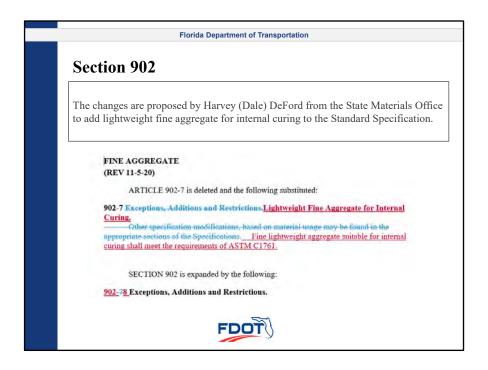
Deleted Article 713-9 and updated method of measurement and basis of payment to plan quantity for permanent tape markings.



SS7150000 HIGHWAY LIGHTING SYSTEM

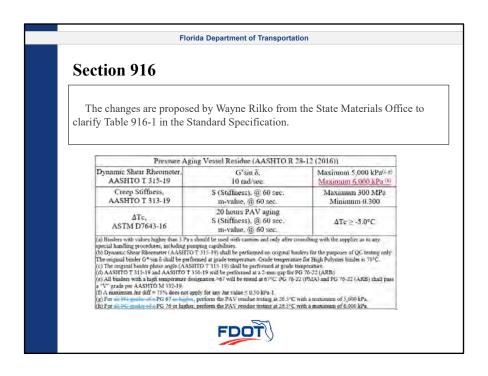
Due to internal review comments on the revisions to 646 and 649. Additional language had to be included into 715 for clarification of the paint requirements for conventional light assemblies.

Add language to include paint requirements for conventional light pole assemblies.



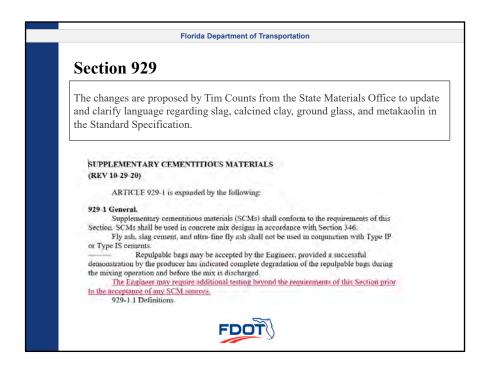
SS9020700 FINE AGGREGATE

Lightweight fine aggregate has been added for internal curing to the standard specification.



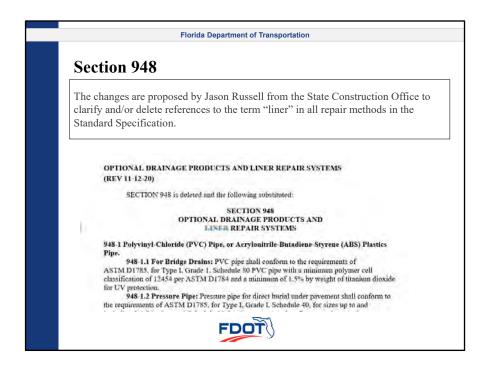
SS9160203 BITUMINOUS MATERIALS

Table 916-1, needed clarification.



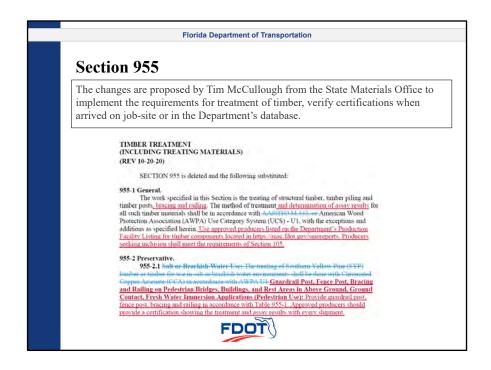
SS9290100 SUPPLEMENTARY CEMENTITIOUS MATERIALS

Requirements for slag have been updated. Submittal requirements for calcined clay and ground glass have been clarified. Metakaolin submittal requirements have been relaxed.



SS9480000 OPTIONAL DRAINAGE PRODUCTS AND LINER REPAIR SYSTEMS

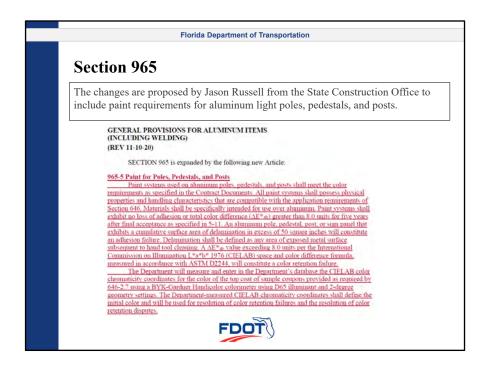
The word 'liner' was removed from the specification to clarify that all repairs do not include liner systems.



SS9550000 TIMBER TREATMENT (INCLUDING TREATING MATERIALS)

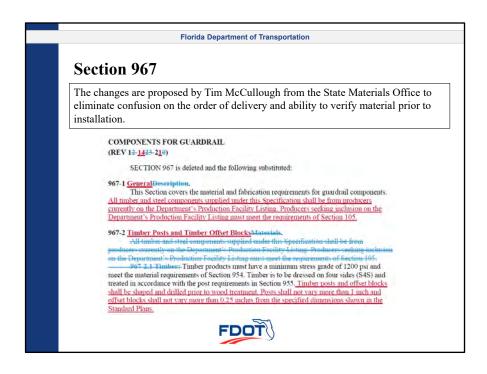
The existing language relied on several offices having the most up to date timber specifications to be able to verify certifications when they arrived on a job-site, or when verifying certifications in the Department's database (MAC). The proposed language allows anybody within the Department to easily describe the FDOT requirements to a customer, a potential manufacturer and avoid any project related disputes related to Specifications.

The requirements for the treatment of timber have been written into a table format, replacing a reference to an external document. The titles of several sections were rewritten to target the selection of timber treatment based on the design and application. The document has already been reviewed by the Treated Wood Council.



SS9650500 GENERAL PROVISIONS FOR ALUMINUM ITEAMS (INCLUDING WELDING)

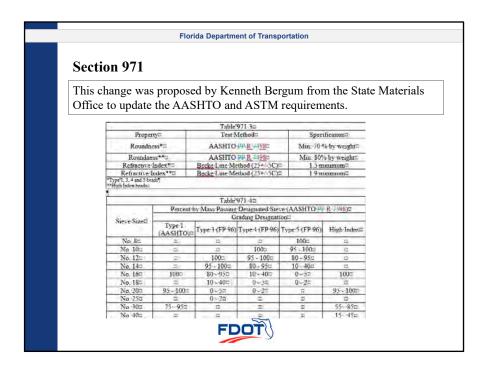
Changes needed to include paint requirements for aluminum light poles, pedestals, and posts. Add language to include paint requirements for aluminum light poles, pedestals, and posts.



SS9670000 COMPONENTS FOR GUARDRAIL

The language in the specifications relied on the contractor and manufaturer to deliever material that met the AASHTO and ASTM Specifications. However, upon the launch of the MAC system, it was clear not all material incorporated into the job met AASHTO requirements or could be verified to be from an approved manufacturer. The changes attempt to eliminate confusion on what to order, deliver and ability to verify material prior to installation.

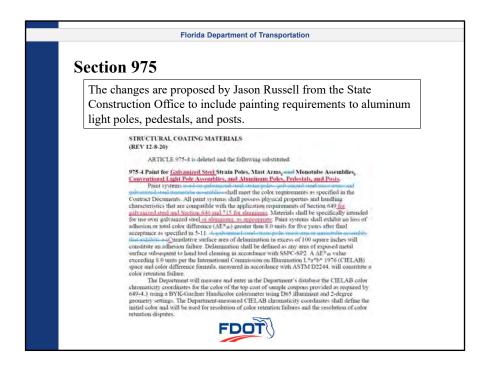
Put the material requirements for guardrail into a table format for easy and quick reference by the manufacturer and Material reviewers. Movd APL items to the front of the specification so they are not hidden behind table. Clarified that all guardrail needs to be stamped, meet AASHTO and Buy America requirements.



SS9710202 PAVEMENT MARKING MATERIALS

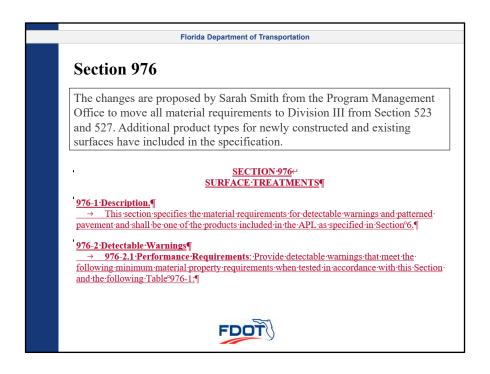
Both external references have been updated. AASHTO PP 74 has been withdrawn and replaced with AASHTO R 98. ASTM D969 has been replaced with ASTM D868.

In the tables in 971-2.2 replace AASHTO PP 74 with AASHTO R 98. In the tables in 971-3.3 and 971-4.3 replace ASTM D969 with ASTM D868.



SS9750400 STRUCTURAL COATING MATERIAL

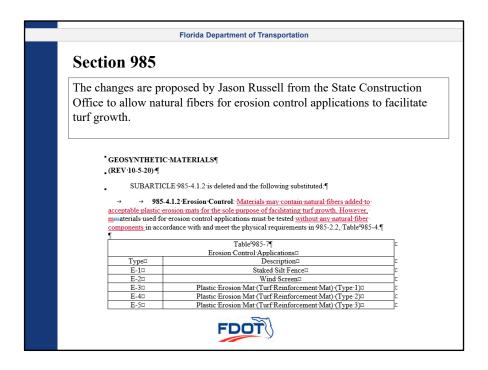
Aluminum light poles, pedestals and posts are being added to the paint subarticle. Language to include the painting requirement to aluminum light poles, pedestals, and posts.



SS9760000 SURFACE TREATMENTS

New Spec Language.

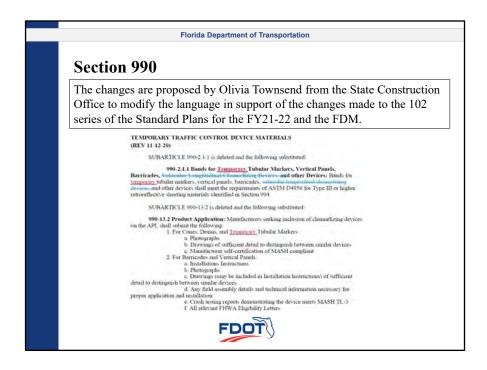
Section will cover material requirement for detectable warnings and patterned pavement.



SS9850401 GEOSYNTHETIC MATERIALS

The current language precludes the use of natural fibers in all geosynthetic material. Language added to allow natural fibers for some erosion control applications to facilitate turf growth.

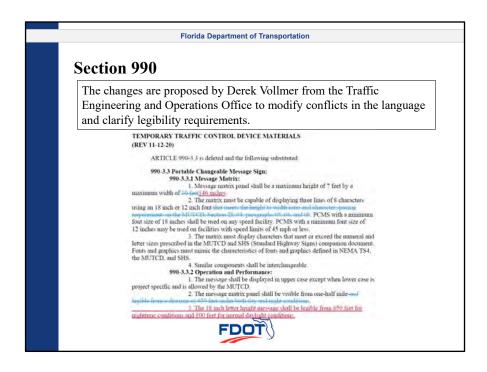
Language added include the use of natural fibers to erosion control mats for turf growth.



SS9900201 TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS

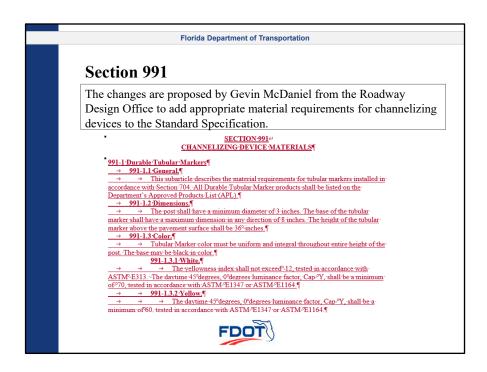
The language needs to be changed in support of changes made to the 102 Series of the Standard Plans for FY21-22 and the FDM.

Deleted references to vehicular longitudinal channelizing devices. Updated references to "tubular markers" to "temporary tubular markers".



SS9900303 TEMPORARY TRAFFIC CONTROL DEVICE MATERIALS

Conflict in 990-3.3.11: maximum width of 10 feet versus displaying 3 lines of 8 characters using an 18 inch the height to width ratio and character spacing in the MUTCD. 8 characters and 7 spaces computes to a width of 132.3 inches. In 990-3.3.1, increase the sign width to 146 inches. In 990-3.3.2, clarify legibility requirements: 18-inch letter legible from 650 feet night and 800 feet daytime; 12-inch letter legible from 650 feet night and day; automatically adjust light source to maintain legibility.

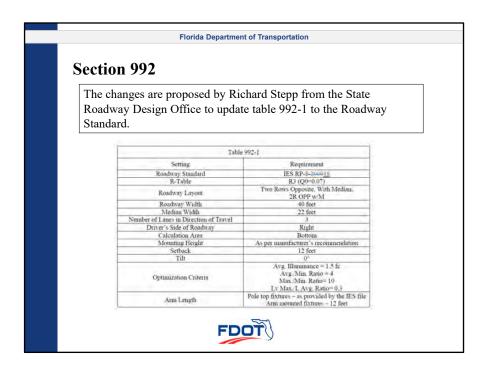


SS9910000 CHANNELIZING DEVICE MATERIALS

This Specification change is in line with moving the needle on the vital few by providing a more visible and durable product as a channelizing device to improve the safety of bicyclists and pedestrians on arterials and collectors. Until now, this product has been used on Managed Lane to preclude lane changing. The durability, visibility and larger diameter of these products are desired. The increased durability will also benefit the department and improved safety by not having to be replaced as often. The reduction in MOT operations for replacement drastically improved safety on our

The reduction in MOT operations for replacement drastically improved safety on our roadways.

These products have a slightly higher initial cost over "high performance delineators"; however, the long-term savings in maintenance greatly outweighs the increased initial cost. As stated above, the fewer MOT operations improve safety, mobility, and further reduce costs. There is no change to consultant fees.

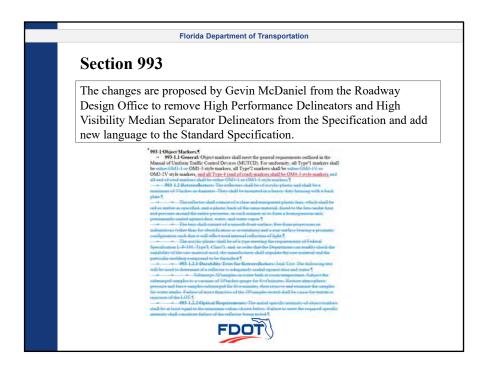


SS9920109 HIGHWAY LIGHTING MATERIALS

992-1.9.3: Updated requirement for "Control Panel Main Disconnect" to allow for higher "Amp Interrupting Current" and increase contractor's flexibility for product use; Table 992-1: Updated lighting analysis requirement to use IES RP-8-18 criteria in order to accommodate latest AGi32 software versions. It is determined that this latest version is acceptable for use.

992-1.9.3: Changed AIC requirement to 35,000 "Minimum" and less than or equal to Service Main AIC.;

Table 992-1: Changed "Roadway Standard" to "IES RP-8-18"



SS9930100 OBJECT MARKERS AND DELINEATORS

This Specification change is in line with moving the needle on the vital few by providing a more visible and durable product as a channelizing device to improve the safety of bicyclists and pedestrians on arterials and collectors. Until now, this product has been used on Managed Lane to preclude lane changing. The durability, visibility and larger diameter of these products are desired. The increased durability will also benefit the department and improved safety by not having to be replaced as often. The reduction in MOT operations for replacement drastically improved safety on our roadways.

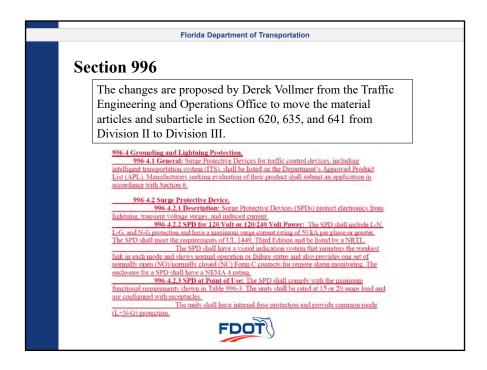
These products have a slightly higher initial cost over "high performance delineators"; however, the long-term savings in maintenance greatly outweighs the increased initial cost. As stated above, the fewer MOT operations improve safety, mobility, and further reduce costs. There is no change to consultant fees.

Florida Department of Transportation Section 994 The changes are proposed by Awilda Merced-Fernandez from the State Materials Office to include digital printing technology as an option to fabricate signs. To reinstate the use of Fluorescent Yellow-Green and Fluorescent Yellow Type XI sheeting. To eliminate non applicable requirements and other minor editorial changes. RETROREFLECTIVE AND NONREFLECTIVE SHEETING AND SIGN PANEL FABRICATION (REV 12-4-20) SUBARTICLE 994-2.1 is deleted and the following substituted: 994-2 Retroreflective and Nonreflective Sheeting Systems. 994-2.1 Materials: Retroreflective sheeting material shall be classified in accordance with and meet the requirements of ASTM D4956. Overlay materials include colored and colorless transparent overlays and vinyl. Inks include transparent and opaque silkscreen inks as well as inkjet inks used in digital print systems. FDOT

SS9940200 RETROREFLECTIVE AND NONREFLECTIVE SHEETING AND SIGN PANEL FABRICATION

To update specification to include digital printing technology as an option to fabricate signs. To reinstate the use of Fluorescent Yellow-Green and Fluorescent Yellow Type XI sheeting. To eliminate non applicable requirements and other minor editorial changes.

Updated section 994-2 to include digital printing as an alternative method of fabrication of highway signing. Reinstated Fluorescent Yellow-Green and Fluorescent Yellow Type XI sheeting in the specification for inclusion on the APL. Removed unnecessary language.



SS9960400 INTELLIGENT TRANSPORTATION SYSTEM DEVICE MATERIALS

The materials article in Subarticle 620-2.7 has been moved 996-4 in Division III. The materials in Subarticle 635-2.2 has been moved to 996-5 in Division III. Materials in Subarticle 641-2.2 moved to 996-6.2.

The materials language has been moved from Subarticle 620-2.7 in Div II to Article 996-4 in Div III. The materials language has been moved from Subarticle 635-2.2 in Div II to Article 996-5 Div III, and 641-2.2 to 996-6.2