



PORT ST. LUCIE
HEART OF THE TREASURE COAST

PUBLIC WORKS

Engineering
Standards
2025 Updates

Updates to various procedures and policies already in place

- Updates references to FDOT and FDEP manuals
- Clarifies the requirement for a Right of Way (ROW) permit to perform work within city drainage and road Right of Way
- Clarifies directional bore requirements
- Updates uses that are allowed or prohibited in the easement
- Clarifies stormwater management criteria for perimeter berms, TMDL and BMAP goals, maintenance of drainage systems and minimum slope required for drainage pipes
- Updates allowable drainage pipe material to include double-wall polypropylene pipe
- Adds reinforced concrete pipe is allowed in residential driveways
- Updates the minimum distance to a gated entrance on residential and commercial driveways

Roadways

Section 8.3 – Network Requirements

- Provides revisions to roadway network requirements
- Specifies new roads shall extend to parcel boundaries to allow for connectivity
- Specifies new development shall connect to existing road stub-outs from adjacent parcels

Section 8.6 – Roadway Cross-Section

- **Provides roadway classification by Average Daily Trips (ADT)**
- **Specifies access management, minimum median width and Right of Way width by roadway classification**
- **Provides multimodal requirements by roadway classification**

Section 8.7 – Pavement Design

- **Provides clarification to all adjustments to asphalt, base and subgrade thicknesses to meet the minimum pavement structural number**
- **Adds a minimum structural number of 1.61 for temporary parking lots that are bonded for removal**

Roadways

Section 8.9 – Medians

- Clarifies four (4) lane roadway and any roadway with a design speed of 35 mph or greater shall require a median
- Updates two (2) foot-wide paver band to two (2) foot-wide concrete band
- Specifies for the color and pattern of the concrete band

Section 8.10 and 8.11 – Intersections and Modern Roundabouts

- Updates reference to FDOT Design Manual, Intersection Control Evaluation Manual and FDOT NCHRP Report 672.

Roadways

Section 8.12 - Driveways

- Adds street lighting is required when connecting a driveway to a collector or arterial roadway
- Clarifies the requirement for irrigation sleeve on driveways within a public roadway
- Updates FDOT Standard Plan Index for driveway geometry
- Clarifies requirement for tooled transverse joints on concrete sidewalks
- Clarifies requirement for forming residential concrete driveway, including saw cutting the existing edge of asphalt, and hot mix asphalt repair
- Adds code references for the number of access points required for residential subdivisions
- Clarifies NCHRP reference for left turn lanes

Roadways

Section 8.15 - Sidewalks

- Clarifies minimum sidewalk width if sidewalk is located adjacent to the back of curb or edge of pavement
- Clarifies minimum thickness for concrete sidewalk within five (5) feet of a driveway and within access crossings to utilities or stormwater management facilities
- Clarifies requirement for four (4) foot minimum sidewalk width for curb ramps, landings and sidewalk crossing driveways
- Clarifies transverse joints shall be tooled, not saw cut
- Clarifies the procedures for installation of curb ramp with detectable warning, and restoration of asphalt with hot mix

Roadways

Section 8.19 – Mobility Plan

- Adds Mobility Plan section and city website URL address

Traffic Control Devices, Signalizations and Lighting

Section 9.1 – Pavement Marking

- Clarifies new striping on public roads shall follow FDOT specifications
- Clarifies mill and overlay as the preferred method to remove striping
- Clarifies hydroblasting as a method to remove pavement marking on final lift of asphalt is prohibited
- Clarifies black paint to remove or cover up pavement markings is prohibited
- Specifies retro-reflective pavement marking standards shall be in accordance with MUTCD
- Clarifies marked crosswalks shall be special emphasis

Traffic Control Devices, Signalizations and Lighting

Section 9.1.2 - Signage

- Specifies sign general criteria.
- Adds requirements for Driver Feedback Signs

Section 9.2 - Signalization

- Clarifies condition and specifications for temporary span wire assemblies
- Clarifies controller assembly and cabinet specifications
- Clarifies signal head specifications
- Adds four (4) section flashing yellow arrow signal heads for protective/permissive left turn indications
- Updates specifications for traffic monitoring camera

Traffic Control Devices, Signalizations and Lighting

Section 9.2 - Signalization

- Clarifies accessible pedestrian signals qualification
- Specifies countdown requirements for all new and modified pedestrian signals
- Clarifies specification for construction material of all new signal heads
- Clarifies qualification for leading pedestrian interval
- Adds specification for treatment of pedestrian crosswalks at midblock and unsignalized intersections

Landscaping and Irrigation

Section 10.1 – General

- Updates reference to Irrigation Standards

Bicycle and Pedestrian Facilities

Section 11.1 – General

- Adds requirement to evaluate connections and crossings at intersections and midblock crossings for safe bicycle and pedestrian access to bus stops, parks, public facilities, shared use paths, sidewalks and trails

Parking Areas

Section 12.4 – Stacking

- Clarifies requirements for queuing analysis

Waste and Recycling Facilities

Section 13.1 – General

- Clarifies the requirements for drainage from waste and recycling facilities must be directed towards the internal drainage system

Submittals

Section 14.1 – General

- Adds requirements for revision clouds on CAD-generated documents

Section 14.2 – Plats

- Adds reference to Plat Review Checklist in Appendix A

Section 14.16 – Shop Drawings

- Clarifies requirement for shop drawings for all private development projects that will eventually be turned over to the City for ownership and maintenance.

Submittals

Section 14.18 – Operation and Maintenance Manuals

- Clarifies the requirement for operation and maintenance manuals

Improvement Guarantees

Section 15.2 – Performance Guarantees

- Adds clarifying language to require a performance guarantee on all work performed within the City Right of Way

Section 15.3 – Maintenance Guarantees

- Adds clarifying language to require a maintenance guarantee for work done within City Right of Way as off-site improvements.

Project Permitting

Section 16.1 – Clearing & Mass Grading Permit

- Removes specific response time for issuing the permit
- Clarifies the expiration time of an in-active permit to one (1) year from six (6) months previously

Section 16.3 – Site Work Permit

- Removes specific response time for issuing the permit
- Clarifies the expiration time of an in-active permit to one (1) year from six (6) months previously

Project Permitting

Section 16.4 – Driveway/Culvert Permit

- Clarifies 3rd party verification for authenticity of the signature on all surveys
- Clarifies the requirement for 12” minimum temporary pipe to be installed in Right of Way and corresponding rejection fee if the pipe is not installed.
- Clarifies the expiration time of an in-active permit to one (1) year from six (6) months previously

Section 16.5 – Right of Way Permit

- Clarifies that road/lane closure must be provided for any roadway or sidewalk a minimum of 48 hours prior to closure

Construction Standards

Section 17.7 – Abatement of Erosion and Water Pollution

- Adds requirements for construction entrance location to be on most minor roadway

Project Inspection

Section 18.3 – Site Work Inspections

- Clarifies requirements for inspection of Right of Way Irrigation components by City Irrigation Inspector

Construction Standards

Section 19.3 – Roadway Turnover

- Clarifies recommendation for submitting turnover documents ahead of time for review prior to submitting official request

Standard Details

- Updates the Pavement Restoration Detail



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Thank you
Questions?