



ENGINEERING & OPERATIONS DEPARTMENT

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TRANSPORTATION DESIGN BULLETIN 20-02

DATE: September 25, 2020

TO: County Director of Capital Programs Department,
County Manager of Construction Services,
Division Director of Transportation Maintenance,
County Project Managers and Project Engineers of Record

FROM: County Engineer,
County Director of Engineering & Operations Department,
County Director of Technical Services Division,
County Manager of Transportation Services Section

COPIES: County Director of Geospatial & Land Acquisition Services Department

SUBJECT: ADOPTION OF DESIGN CRITERIA FOR COUNTY ARTERIALS, COLLECTORS AND LOCAL ROADS

This bulletin announces the adoption of the Florida Department of Transportation (FDOT) design criteria for Hillsborough County roads classified as Arterials and Collectors and the adoption of the FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways otherwise known as the Florida Greenbook for roads classified as Local Roads.

REQUIREMENTS

Selection of the design criteria to be applied to Hillsborough County roadways depends on the functional classification of the road. The roadway functional classification can be determined by reviewing the [Hillsborough County Roadways Functional Classification Map](#). This map will indicate if the roadway is an arterial or collector.

If the road is classified as an Arterial or Collector, the Engineer of Record (EOR) must utilize the most recent version of the FDOT Design Manual (FDM) as the project design criteria for roadway design.

The last publication of the Hillsborough County Roadways Functional Classification Map is dated April 4, 2014 and, therefore, new arterial and collector roads constructed since that date are not shown on the map. Contact the Public Works Standards team utilizing the following email, [PW-Standards Inquiry](#), to clarify the functional classification status of a roadway, if the roadway design is suspected of impacting a road that may be an arterial or collector.

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Local roads are not shown on the functional classification map. Local roads are existing County roads that Hillsborough County has taken possession of after the subdivision or land development project construction has been accepted by Hillsborough County. Local roads are typically roads servicing residential properties where the properties are directly connected to the roadway within subdivisions and city streets and the roadway length is relatively short.

If the road is classified as a Local Road, the EOR must utilize the standards in the most recent version of the Florida Greenbook as the project design criteria for the roadway design.

Utilize all other FDOT design manuals to address other civil engineering disciplines' design criteria not covered by the FDM or the Florida Greenbook.

The design criteria found in the following Hillsborough County Public Works Manuals will supersede the FDOT design criteria:

- Standard Specifications for Construction
- Stormwater Management Technical Manual
- Utility Accommodation Guide and Right-of-Way Use Procedures
- Utility Coordination Procedures for Hillsborough County Construction Projects within County Rights-of-Way

All design criteria must be identified in the project design documentation for all disciplines.

BACKGROUND

There has been no standardized formal documentation directing the EOR as to other agencies design criteria that are acceptable to Hillsborough County, and how the acceptable criteria are to be used in conjunction with Hillsborough County design criteria. Manuals to be used to perform roadway design, which included other agency criteria, have previously been identified in the scope of services for each individual project but did not explain the relationship between the other agency criteria and Hillsborough County criteria. This design bulletin explains the criteria to be used and the relationship to the Hillsborough County design criteria.

IMPLEMENTATION

Effective Immediately.

CONTACT

Please use the email link below to address any questions or comments in reference to this Design Bulletin:

[PW-Standards Inquiry](#)

Recommended / Date:

Approved / Effective Date:

Leland Dicus, Professional Engineer
Technical Services Division Director

Michael J. Williams, Professional Engineer
County Engineer