



ENGINEERING & OPERATIONS DEPARTMENT

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TRANSPORTATION DESIGN BULLETIN 21-02

DATE: January 11, 2021

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: **TYPICAL SECTION SHEET REQUIREMENTS**

This bulletin provides notice of the requirement to place Traffic Data on the project Typical Section sheet for all Hillsborough County Projects.

REQUIREMENTS

All Hillsborough County Projects must incorporate Traffic Data on the Typical Section plan sheets to identify key design criteria. Refer to the Florida Department of Transportation Design Manual (FDM) typical section exhibits for guidance on proper format. The following information must be included:

- "CURRENT YEAR" Annual Average Daily Traffic
- "ESTIMATED OPENING YEAR" Annual Average Daily Traffic
- "ESTIMATED DESIGN YEAR" Annual Average Daily Traffic
- "K" factor which represents the proportion of annual average daily traffic occurring at the peak hour
- "D" factor which represents directional distribution during the peak hour
- "T (24 HOUR)" factor which represents the percentage of trucks accounting for overall traffic volume
- "DESIGN HOUR T" factor which represents the percentage of heavy vehicles in a design hour

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- “DESIGN SPEED” (The Design Speed will be equal to the Posted Speed on all Hillsborough County projects)

If a traffic analysis was not included within the project scope, then obtain existing plans or utilize current traffic information available from Florida Department of Transportation’s Florida Traffic Online website or Hillsborough Metropolitan Planning Organization website.

BACKGROUND

Many design elements in the design criteria are based on traffic volume and Design/Posted Speed. Providing this information as a standard in the typical sections will simplify and expedite the plans review process for the County’s reviewers and inform Hillsborough County Construction personnel and contractors of the traffic parameters that govern the implementation of Temporary Traffic Control Plans.

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