Hillsborough County Florida

ENGINEERING & OPERATIONS DEPARTMENT
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SUBJECT: DESIGN CRITERIA TABLE

County Street Name and/or Road Number:

County Capital Improvement Program Number:

Type of Project:
- ☐ Corridor Reconstruction
- ☐ New Construction
- ☐ Resurfacing, Restoration and Rehabilitation (RRR)
- ☐ Pedestrian Corridors

- ☐ Trail and Share Use
- ☐ School Routes Safety Improvements
- ☐ Intersection Modifications and Signalization Updates
- ☐ Bridge Repair and Replacements

- ☐ Drainage Retrofits and Enhancements
- ☐ Safety and Mobility Projects
- ☐ Complete Street
- ☐ Other _____

DESIGN CRITERIA TABLE

DESIGN ELEMENT	DESIGN CRITERIA	CRITERIA SOURCE (REFERENCE MANUAL AND CHAPTER)	EXISTING CONDITIONS	PROPOSED DESIGN	DESIGN EXCEPTION OR DESIGN DEVIATION REQUIRED (YES/NO) (DE or DDM)
ROADWAY DESIGN ELEMENTS					
Controlling Criteria					
Context Classification					
Functional Classification					
Access Classification					
Access Classification Median Spacings					
Access Classification Signal Spacings					
Access Classification Connection Spacings					
Design Period					
Design Year					
Design Speed (MPH) / Posted Speed (MPH)					
Design Vehicle					
Type of Construction (New Construction or RRR)					
Cross Section					
Lane Widths					
Cross Slope					
Median Widths					
Shoulder Widths					
Border Width					
Sidewalk Widths					

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Bicycle Lane Width					
Clear Zone (Travel / Auxiliary)					
Front Slopes					
Back Slopes					
Ditch Bottom Width					
Lateral Offset to Signal Poles / Cabinets					
Lateral Offset for ITS Poles					
Lateral Offset for Breakaway Objects					
Lateral Offset for Overhead Signs					
Lateral Offset to Trees					
Lateral Offset for Aboveground Utilities					
Lateral Offset to Bridge Piers / Abutments					
Lateral Offset to Pedestrian Railing					
Horizontal Geometry					
Maximum Deflection Without Curve					
Length of Horizontal Curve					
Minimum Radius for Existing Horizontal Curve					
Superelevation e (max)					
Minimum Full Superelevation Length					
Superelevation Transition Rate					
Curvature of Horizontal Curve					
Sight Diagrams for Intersecting Road and Curves					
Vertical Geometry					
Maximum Grades					
Maximum Change in Grade Without a Vertical Clearance					
Minimum Distance between Vertical Points of Inflection (Curb and Gutter)					
Minimum K Value (Crest / Sag)					
Minimum Lengths of Curves (Crest / Sag)					
Stopping Sight Distance (<4% Downgrade)					
Minimum Vertical Clearances for Bridges					
Minimum Vertical Clearances for Overhead Signs					

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Minimum Vertical Clearances for Dynamic Message Signs (DMS)					
Minimum Vertical Clearance for Aboveground Utilities					
Minimum Vertical Clearance for Signals					
Intersections					
Turn Lanes: Total Deceleration and Queue Length					
Deflection Angle Through Intersection					
Maximum Lane Shift Through Intersection					
Slope Rates for Intersection Approaches					
Median Width at Intersection					
Control Radii for Minimum Speed Turns					
On-Street Parking Restrictions for Driveways and Intersections					
Edge of Traveled Way, Simple Curve Radii					
Superelevation Rates for Turning Roadways					
Offset Distances for Left Turn Lanes					
OTHER DESIGN DISCIPLINE					
Controlling Criteria					
Design Element Criteria					

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OTHER DESIGN DISCIPLINE					
Controlling Criteria					
Design Element Criteria					
Design Element Criteria					
COMMUNITY COMMITMENTS:					