

## **ENGINEERING & OPERATIONS DEPARTMENT**

PO Box 1110, Tampa, FL 33601-1110 813-276-2530 | Fax: (813) 272-5811

## **SUBJECT: DESIGN CRITERIA TABLE**

| County Street Name and/or Road Number:  |                                   |                                       |  |
|---|-----------------------------------|---------------------------------------|--|
|   |                                   |                                       |  |
| County Capital Improvement Program Numb | er:                               |                                       |  |
|   |                                   |                                       |  |
| Type of Project:                        |                                   |                                       |  |
| ☐ Corridor Reconstruction               | ☐ Trail and Share Use             | ☐ Drainage Retrofits and Enhancements |  |
| ☐ New Construction                      | School Routes Safety Improvements | ☐ Safety and Mobility Projects        |  |
| Resurfacing, Restoration and            | ☐ Intersection Modifications and  | ☐ Complete Street                     |  |
| Rehabilitation (RRR)                    | Signalization Updates             | Other                                 |  |
| ☐ Pedestrian Corridors                  | ☐ Bridge Repair and Replacements  |                                       |  |

| Pedestrian Corridors                           |                    | Bridge Repair and Replace                            | ements                 |                    |  |
|--|--------------------|--|------------------------|--------------------|--|
| DESIGN CRITERIA TABLE                          |                    |  |                        |                    |  |
| DESIGN ELEMENT                                 | DESIGN<br>CRITERIA | CRITERIA SOURCE<br>(REFERENCE MANUAL AND<br>CHAPTER) | EXISTING<br>CONDITIONS | PROPOSED<br>DESIGN | DESIGN EXCEPTION OR DESIGN<br>DEVIATION REQUIRED<br>(YES/NO) (DE or DDM) |
| ROADWAY DESIGN ELEI                            | MENTS              |  |                        |                    |  |
| Controlling Criteria                           |                    |  |                        |                    |  |
| Context Classification                         |                    |  |                        |                    |  |
| Functional Classification                      |                    |  |                        |                    |  |
| Access Classification                          |                    |  |                        |                    |  |
| Access Classification Median<br>Spacings       |                    |  |                        |                    |  |
| Access Classification Signal<br>Spacings       |                    |  |                        |                    |  |
| Access Classification Connection<br>Spacings   |                    |  |                        |                    |  |
| Design Period                                  |                    |  |                        |                    |  |
| Design Year                                    |                    |  |                        |                    |  |
| Design Speed (MPH) /<br>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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| DESIGN CRITERIA TABLE  |                    |  |                        |                    |  |
|--|--------------------|--|------------------------|--------------------|--|
| DESIGN ELEMENT   | DESIGN<br>CRITERIA | CRITERIA SOURCE<br>(REFERENCE MANUAL AND<br>CHAPTER) | EXISTING<br>CONDITIONS | PROPOSED<br>DESIGN | DESIGN EXCEPTION OR DESIGN<br>DEVIATION REQUIRED<br>(YES/NO) (DE or DDM) |
| Bicycle Lane Width   |                    |  |                        |                    |  |
| Clear Zone (Travel / Auxiliary)  |                    |  |                        |                    |  |
| Front Slopes   |                    |  |                        |                    |  |
| Back Slopes  |                    |  |                        |                    |  |
| Ditch Bottom Width   |                    |  |                        |                    |  |
| Lateral Offset to Signal Poles /<br>Cabinets                             |                    |  |                        |                    |  |
| Lateral Offset for ITS Poles   |                    |  |                        |                    |  |
| Lateral Offset for Breakaway<br>Objects                                  |                    |  |                        |                    |  |
| Lateral Offset for Overhead Signs  |                    |  |                        |                    |  |
| Lateral Offset to Trees  |                    |  |                        |                    |  |
| Lateral Offset for Aboveground<br>Utilities                              |                    |  |                        |                    |  |
| Lateral Offset to Bridge Piers /<br>Abutments                            |                    |  |                        |                    |  |
| Lateral Offset to Pedestrian Railing                                     |                    |  |                        |                    |  |
|  |                    |  |                        |                    |  |
|  |                    |  |                        |                    |  |
| Horizontal Geometry  |                    |  |                        |                    |  |
| Maximum Deflection Without Curve   |                    |  |                        |                    |  |
| Length of Horizontal Curve   |                    |  |                        |                    |  |
| Minimum Radius for Existing<br>Horizontal Curve                          |                    |  |                        |                    |  |
| Superelevation e (max)   |                    |  |                        |                    |  |
| Minimum Full Superelevation<br>Length                                    |                    |  |                        |                    |  |
| Superelevation Transition Rate   |                    |  |                        |                    |  |
| Curvature of Horizontal Curve  |                    |  |                        |                    |  |
| Sight Diagrams for Intersecting<br>Road and Curves                       |                    |  |                        |                    |  |
|  |                    |  |                        |                    |  |
|  |                    |  |                        |                    |  |
| Vertical Geometry  |                    |  |                        |                    |  |
| Maximum Grades   |                    |  |                        |                    |  |
| Maximum Change in Grade<br>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<br>Bridges                               |                    |  |                        |                    |  |
| Minimum Vertical Clearances for<br>Overhead Signs                        |                    |  |                        |                    |  |
|  |                    |  |                        |                    |  |

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| DESIGN CRITERIA TABLE   |                    |  |                        |                    |  |
|---|--------------------|--|------------------------|--------------------|--|
| DESIGN ELEMENT  | DESIGN<br>CRITERIA | CRITERIA SOURCE<br>(REFERENCE MANUAL AND<br>CHAPTER) | EXISTING<br>CONDITIONS | PROPOSED<br>DESIGN | DESIGN EXCEPTION OR DESIGN<br>DEVIATION REQUIRED<br>(YES/NO) (DE or DDM) |
| Minimum Vertical Clearances for<br>Dynamic Message Signs (DMS)                                    |                    |  |                        |                    |  |
| Minimum Vertical Clearance for<br>Aboveground Utilities   |                    |  |                        |                    |  |
| Minimum Vertical Clearance for<br>Signals   |                    |  |                        |                    |  |
|   |                    |  |                        |                    |  |
| Intersections   |                    |  |                        |                    |  |
| Turn Lanes: Total Deceleration<br>and Queue Length  |                    |  |                        |                    |  |
| Deflection Angle Through<br>Intersection  |                    |  |                        |                    |  |
| Maximum Lane Shift Through<br>Intersection  |                    |  |                        |                    |  |
| Slope Rates for Intersection<br>Approaches  |                    |  |                        |                    |  |
| Median Width at Intersection  |                    |  |                        |                    |  |
| Control Radii for Minimum Speed<br>Turns  |                    |  |                        |                    |  |
| On-Street Parking Restrictions for<br>Driveways and Intersections<br>Edge of Traveled Way, Simple |                    |  |                        |                    |  |
| Curve Radii Superelevation Rates for Turning  |                    |  |                        |                    |  |
| Roadways Offset Distances for Left Turn   |                    |  |                        |                    |  |
| Lanes   |                    |  |                        |                    |  |
|   |                    |  |                        |                    |  |
|   |                    |  |                        |                    |  |
| OTHER DESIGN DISCIPL  | INE                |  |                        |                    |  |
| Controlling Criteria  |                    |  |                        |                    |  |
|   |                    |  |                        |                    |  |
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| Design Element Criteria   |                    |  |                        |                    |  |
|   |                    |  |                        |                    |  |
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| DESIGN CRITERIA TABLE   |                         |  |                        |                    |  |  |
|-------------------------|-------------------------|--|------------------------|--------------------|--|--|
| DESIGN ELEMENT          | DESIGN<br>CRITERIA      | CRITERIA SOURCE<br>(REFERENCE MANUAL AND<br>CHAPTER) | EXISTING<br>CONDITIONS | PROPOSED<br>DESIGN | DESIGN EXCEPTION OR DESIGN<br>DEVIATION REQUIRED<br>(YES/NO) (DE or DDM) |  |
| OTHER DESIGN DISCIPL    | OTHER DESIGN DISCIPLINE |  |                        |                    |  |  |
| Controlling Criteria    |                         |  |                        |                    |  |  |
|                         |                         |  |                        |                    |  |  |
|                         |                         |  |                        |                    |  |  |
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|                         |                         |  |                        |                    |  |  |
| Design Element Criteria |                         |  |                        |                    |  |  |
| Doorgin Element Officia |                         |  |                        |                    |  |  |
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| Design Element Criteria |                         |  |                        |                    |  |  |
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| COMMUNITY COMMITME      | NTS:                    |  |                        |                    |  |  |
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