

## Chapter 19

### Work Zone Traffic Control

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## Chapter 19

### Work Zone Traffic Control

#### 19.1 General

A Traffic Control Plan (TCP) will accompany all plans for a construction project. The TCP is the final document that summarizes the considerations and investigations made in the development of a comprehensive plan for maintaining traffic through a work zone.

The TCP is used to describe the actions to be taken by the contractor to minimize traffic impacts while conveying traffic safely through a work zone. The traffic control plans may include, but are not limited to, general notes, phase notes, phase typical sections, phase plan-profile sheets, special details, and temporary cross sections.

#### 19.2 Required Information

Specific traffic control plans are required on all projects. The information provided on the traffic control plans may consist of nothing more than notes and references to the ***Design Standards, Series 600*** or may be as elaborate as detailed individual phase layouts using profile sheets and interchange and intersection layout sheets. Information shall be provided to inform the contractor of the following:

1. location of the centerline, pavement edge, curb line, shoulder;
2. placement of temporary pavement markings;
3. lane configurations;
4. locations of work zone signs and any other temporary work zone traffic control devices (including variable message signs, advanced warning arrow panels, barriers, crash cushions, temporary signals, etc.);
5. layouts and placement of channelizing devices;
6. work to be accomplished during the individual phases of construction,
7. lane closures and other restrictions that apply;
8. regulatory speed limits for each phase;
9. project specific requirements such as school zones, railroads, waterborne vessels, etc.

When a project requires more than one phase of construction, the traffic control plans should address each individual phase. MOT quantities should be tabulated by phase in the traffic control plans or shown in the computation book.

## 19.3 Levels of Complexity to be Anticipated for Traffic Control Plans

The following guidelines have been developed to assist in determining the level of detail and complexity that may be required for a project.

### 19.3.1 Level I

**Application** - Simple projects where method of construction is straight forward. (Examples: RRR, Enhancements, Resurfacing, Minor Widening).

#### Components of the TCP

1. General Notes (including references to the applicable indexes in the **Design Standards**)
2. Phase Typical Section(s)
3. Special Details - MINIMAL - where unique situations for the project exist

### 19.3.2 Level II

**Application** - Moderately complex Construction projects, such as reconstruction of roadways. (Examples: Urban or rural widening projects, Projects with Diversions or Detours)

#### Components of the TCP

1. General Notes
2. Phase Notes (including references to the applicable indexes in the **Design Standards**)
3. Phase Typical Section(s)
4. Detailed plan sheets (when an index in the **Design Standards** does not apply)
5. Cross Sections as determined necessary (Example: diversions, temporary drainage, temporary bridge structure)
6. Special Details - As necessary for constructability (Example: temporary drainage, slope requirements due to diversions, temporary signalization, railroad work, etc.)

### **19.3.3 Level III**

**Application** - Complex projects.

#### **Components of the TCP**

1. General Notes
2. Phase Notes (including any references to the applicable standard indexes)
3. Phase Typical Section(s)
4. Detailed Plan Sheets
5. Cross Sections
6. Special Details may include - Temporary Drainage; Temporary Signalization; Intersection Details; etc.

## 19.4 Format

TCP's will be prepared on standard plan sheet format. A scaled drawing is not always required; however, clarity and legibility are critical. When scaled drawings are required, the scale shall not be less than 1" = 100' for plan sheets and 1" = 40' for special details. Levels, fonts and line weights shall be in accordance with the ***FDOT CADD Production Criteria Handbook***.

Tools are available in FDOT Engineering/CADD Systems Software to assist in the development of Traffic Control Plans.