



## **Florida Department of Transportation**

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**DATE:** April 2, 2001

**TO:** Registered Plans Preparation Manual Holders

**FROM:** Brian Blanchard, P.E.  
State Roadway Design Engineer

**CC:** Billy Hattaway, William Nickas, Jim Mills

**SUBJECT:** IMPLEMENTATION - PLANS PREPARATION MANUAL  
JULY 2001 UPDATES

The July 2001 Updates include:

1. Revisions to Plans Preparation Manual, Volume I Metric, January, 1998.
2. Revisions to Plans Preparation Manual, Volume II Metric, January, 1999.
3. Revisions to Plans Preparation Manual, Volume I English, January, 2000.
4. Revisions to Plans Preparation Manual, Volume II English, January, 2000.

The revisions to the English and Metric manuals are nearly identical except for units of measure. The major changes in design requirements included in both the English and Metric revisions are to be implemented as follows:

### **Volume I, Chapter 1, Section 1.9 Design Speed**

#### **SUMMARY OF CHANGE:**

Language regarding design speed on curbed sections has been revised. Also, Table 1.9.2 was corrected (English only) to include a note that was missing.

#### **IMPLEMENTATION:**

These changes may be implemented on applicable projects beginning immediately. These changes apply to both Metric and English Projects.

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### **Volume I Chapter 2, Section 2.3.1 Limits of Friction Course on Paved Shoulders**

#### **SUMMARY OF CHANGE:**

The Friction Course limits on shoulders of Limited Access facilities have been revised to accommodate the change in rumble strip location. Corresponding changes were made to Exhibits TYP-10, TYP-11, and TYP-12.

#### **IMPLEMENTATION:**

These changes were implemented on November 27, 2000 in a letter from the State Roadway Design Engineer to the State Construction Engineer. These changes apply to both Metric and English Projects.

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### **Volume I Chapter 2, Section 2.12 Bridge Railings and Separators**

#### **SUMMARY OF CHANGE:**

In Figure 2.12.2, the dimensions of the Corral Shape Traffic Railing Barrier (Sectional View Number 5) have been revised.

#### **IMPLEMENTATION:**

This change is to be implemented on applicable projects beginning immediately. These changes apply to both Metric and English Projects.

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### **Volume I Chapter 3, Section 3.5.7 Borrow Excavation (Truck Measure)**

#### **SUMMARY OF CHANGE:**

Clarification was made as to where to obtain recommendations for adjustment factors. Also, the fill adjustment factor used in the examples has been changed from 35% to 20%. A note was added to emphasize that it is only an example. Corresponding changes have been made to the example in Section 3.5.9 (Summary of Earthwork) and Exhibit SQ-3 (Summary of Quantities).

#### **IMPLEMENTATION:**

The change regarding where to obtain adjustment factor recommendations is a clarification and is effective immediately. The changes to the examples regarding the fill adjustment factor are examples only, and do not require implementation. These changes apply to both Metric and English Projects.

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### **Volume I Chapter 4, Section 4.1.2 Clear Zone Criteria**

#### **SUMMARY OF CHANGE:**

The note regarding the non-recoverable slope in Figure 4.1.2 has been corrected.

#### **IMPLEMENTATION:**

This change is a correction of an existing requirement and is effective immediately. This change applies to both Metric and English Projects.

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**Volume I Chapter 7, Section 7.3.7 Maintenance of Existing Lighting During Construction**

**SUMMARY OF CHANGE:**

This section has been added to address the extent of the Contractor's responsibility to maintain existing lighting during construction.

**IMPLEMENTATION:**

This change is to be implemented on all projects beginning design as of July 1, 2001. This change applies to both Metric and English Projects.

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**Volume I Chapter 8, Section 8.7 Shared Use Paths**

**SUMMARY OF CHANGE:**

This section has been rewritten and contains additional language and subsections regarding shared use paths.

**IMPLEMENTATION:**

These changes are to be implemented on all applicable projects beginning design as of July 1, 2001. These changes apply to both Metric and English Projects.

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**Volume I Chapter 11, Section 11.3 Site Map**

**SUMMARY OF CHANGE:**

This section has major revisions that eliminate the option to include the SWPPP in the Specifications Package.

**IMPLEMENTATION:**

These changes are to be implemented on all projects beginning with the July 2002 letting. The SWPPP are not to be included in the Specifications Package beginning with the July 2002 letting. These changes apply to both Metric and English Projects.

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**Volume I Chapter 23, Exhibits 23-B and 23-C**

**SUMMARY OF CHANGE:**

Exhibits 23-B and 23-C have been corrected. Exhibit 23-B (Design Variation sample request letter) has been modified to specify the District Design Engineer beside the "To:" line. The footnote superscript letters have also been corrected. In Exhibit 23-C, "Reconstruction" has been added to the Governing Criteria section.

**IMPLEMENTATION**

These changes are to be implemented on all applicable projects beginning design as of July 1, 2001. These changes apply to both Metric and English Projects.

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**Volume I Chapter 25, Section 25.4.5 Lane and Shoulder Widths**

SUMMARY OF CHANGE:

Table 25.4.5.4 has been added to address lane and shoulder widths for urban multilane projects without curb and gutter.

IMPLEMENTATION:

This change is a clarification and is to be implemented on all applicable projects beginning design as of July 1, 2001. This change applies to both Metric and English Projects.

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**Volume I Chapter 25, Section 25.4.25 Bridge Railing**

SUMMARY OF CHANGE:

This section has been rewritten to clarify bridge rail requirements on RRR projects. Note: Index 401 will not be included in the 2002 Design Standards which will be effective beginning with the July 2002 letting. New standards for rail retrofits are being developed and scheduled for availability mid-2001. Contact the State Structures Design Office for details until the new standards are available.

IMPLEMENTATION:

Bridge rail requirements on RRR projects are to be implemented on applicable projects effective immediately. Plans for projects requiring bridge rail retrofits that are scheduled for letting beginning July 2002 are not to reference Index 401 and must include either project specific details or use the new Standards developed for rail retrofits. These changes apply to both Metric and English Projects.

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**Volume I Chapter 29, Section 29.6 Design of Sound Barrier Walls**

SUMMARY OF CHANGE:

Conflicting language regarding the design of foundations and posts has been removed.

IMPLEMENTATION:

These changes are to be implemented effective immediately. These changes apply to both Metric and English Projects.

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**Volume I Chapter 31, Section 31.5.2 Requirements**

SUMMARY OF CHANGE:

The formulas in this section regarding geosynthetic design have been corrected.

IMPLEMENTATION:

These changes are corrections and are to be implemented effective immediately. These changes apply to both Metric and English Projects.

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**Volume II, Chapter 8, Exhibit SDS-1a, SDS-2a, and SDS-3a**

**SUMMARY OF CHANGE:**

These new exhibits regarding optional pipe are examples of sheets to be used in conjunction with the new pay item numbers implemented with the July 2002 letting. See the 2001 "Mid-Year Update - Basis of Estimate Handbook Summary of Major Changes" letter dated April 1, 2001 for further information. Exhibits SDS-1, SDS-2, and SDS-3 (currently in the PPM) are examples of sheets that are to be used in conjunction with the current pay item numbers through the June 2002 letting.

**IMPLEMENTATION:**

These changes are to be implemented on all projects beginning with the July 2002 letting. These changes apply to both Metric and English Projects.

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**Volume II, Sample Project Exhibits**

**SUMMARY OF CHANGE:**

A set of exhibits has been added that contain selected sheets and components of a sample contract plan set.

**IMPLEMENTATION:** The new exhibits are examples only, and are included with the English Plans Preparation Manual only.

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All other changes in the July, 2001 Plans Preparation Manual updates package primarily consist of minor editing for clarification and/or error corrections.

If you have any questions please contact this office, 850-414-4318, Suncom 994-4318.