



Florida Department of Transportation

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ROADWAY DESIGN BULLETIN 13-09

DATE: July 2, 2013

TO: All Users of the Florida Department of Transportation Plans Preparation Manual

FROM: Michael Shepard, P. E., State Roadway Design Engineer *Michael Shepard*

COPIES: Brian Blanchard, Tom Byron, Duane Brautigam, David Sadler, Tim Lattner, Mark Wilson, Bruce Dana, John Krause, Robert, Robertson, Gregory Schiess, Monica Gourdine (FHWA), Tana Ashbaker, District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Roadway Design Engineers, District Construction Engineers, District Geotechnical Engineers, District Structures Design Engineers, Alan Autry

SUBJECT: Implementation – *Plans Preparation Manual* July 1, 2013 Update

REQUIREMENTS

The July 1, 2013 Update includes:

1. The July 2013 Revisions to the *Plans Preparation Manual (PPM)*, *Volume 1*, January 2013 (Topic No. 625-000-007).
2. The July 2013 Revisions to the *PPM*, *Volume 2*, January 2013 (Topic No. 625-000-008).

The major changes in design requirements are to be implemented as follows:

Volume 1 and Volume 2 Non-Conventional Project Modifications

The July 2013 PPM Update is a special release of the *Plans Preparation Manual* for Non-Conventional Projects. This update was needed due to the increasing number of Non-Conventional Projects in the FDOT Work Program and the need to clarify criteria and phase submittal requirements. *Volume 1* and *2* of the *PPM* have been reviewed and revised to be more authoritative and to better clarify the requirements for Conventional and Non-Conventional Projects. The intended audience is the Author of the Request for Proposal (RFP) on a Non-Conventional Project, the Engineer of Record on a Conventional Project and the Engineer of Record on a Non-Conventional Project.

Volume 2, Chapter 2, *Sequence of Plans Preparation*, was modified to include the Technical Proposal, 90% Component Plans and Final Component Plans submittal requirements for Non-Conventional projects.

Pre-scoping questions have been developed for the RFP Author on the Non-Conventional Project to aid in establishing project constraints. The pre-scoping questions can be found at:

<http://www.dot.state.fl.us/construction/DesignBuild/DBRules/DB-PreBid-Scoping-Questions.pdf>

Special requirements for Non-Conventional Projects, e.g., Design-Build Projects and Public-Private-Partnership Projects, may be shown in a “Modification for Non-Conventional Projects” box as seen in the following example:

Modification for Non-Conventional Projects:
Delete <i>PPM</i> 7.2.5 and replace with the following:
7.2.5 Signing Project Coordination
The Design-Build firm shall submit a master signing plan with the Technical Proposal. The master signing plan can be on a roll plot.

These boxes are located at the beginning of the chapter or after a section, paragraph or table which is to be modified. The requirements listed within these boxes are only applicable to Non-Conventional Projects.

IMPLEMENTATION:

The implementation of the July 2013 PPM updates are effective on all Non-Conventional Projects where the technical proposal is due on or after July 15, 2013, and for projects where the RFP is under development and implementation will not cause a delay.

The following additional changes apply to all projects:

Volume 1, Chapter 9, Section 9.5.1 Categories and Criteria

This section was revised to modify the criteria for Add-On/Affixed (Public Arts and Local ID Markers) Community Aesthetic Features (CAFs). The application of these CAFs is no longer restricted to municipal and county owned bridges, and are now permissible to be affixed on State owned bridges.

IMPLEMENTATION:

These changes are effective on all Community Aesthetic Features requests.

Volume 1, Chapter 25, Section 25.4.24.3 Bridge Railing

This section was modified to introduce the *Instructions for Design Standards (IDS), Index 404* and *Instructions for Design Standards, Index 405*, which provide additional guidance for bridge traffic railings within a RRR project.

IDS Index 404 provides details of structurally narrow and recessed curb post-and-beam bridge traffic railings. (See *Design Standards, Index 404.*) *IDS Index 405* provides details of wide curb post-and-beam bridge traffic railings. (See *Design Standards, Index 405.*)

IMPLEMENTATION:

These changes are effective on all applicable projects beginning design on or after July 1, 2013 and on all projects still in the design phase where implementation will not adversely impact production schedules.

Volume 1, Chapter 25, Section 25.4.25.2 Guardrail to Bridge Rail Transitions

This section was modified to include *Design Standards, Indexes 404, 405* and *477* and associated *IDS, Indexes 402* and *477*, and respective *IDS*, provide guidance and details for guardrail retrofits connecting to existing bridge railings.

In addition, *Section 25.4.25.2* was modified to include additional criteria for evaluating the upgrade or replacement of an existing guardrail to bridge traffic railing approach and trailing end transition.

IMPLEMENTATION:

These changes are effective on all applicable projects beginning design on or after July 1, 2013 and on all projects still in the design phase where implementation will not adversely impact production schedules.

GENERAL

All other changes in the July 1, 2013 *Plans Preparation Manual* update package primarily consist of minor editing, updated references, clarification and/or error corrections and are effective immediately.

Should you have any questions, please contact this office at (850) 414-4318.

MS/mi