# Agenda

<table>
<thead>
<tr>
<th>Subject</th>
<th>Presenter</th>
<th>Office</th>
</tr>
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<tbody>
<tr>
<td>Greetings</td>
<td>Frank Sullivan, P.E., Roadway Design Administrator</td>
<td>Roadway Design</td>
</tr>
<tr>
<td>PPM July 2013 Updates &amp; PPM Rewrite for Design Build</td>
<td>María J. Irizarry, E.I., Design Manual Engineer &amp; Mary Anne Koos, Special Projects Coordinator</td>
<td>Roadway Design, Criteria and Standards Division</td>
</tr>
<tr>
<td>Design-Build</td>
<td>Alan Autry, Alternative Contracting &amp; Contract Administration Specialist</td>
<td>Office of Construction</td>
</tr>
<tr>
<td>Conducting Public Meetings</td>
<td>Rusty Ennemoser, State Public Involvement and Community Resources Coordinator</td>
<td>Environmental Management Office</td>
</tr>
</tbody>
</table>
Plans Preparation Manual
July 1, 2013 Updates

Roadway Design Office
Criteria and Standards Division

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Overview of PPM Update Process

- Two Volumes
- English Units
- Electronic Version

http://www.dot.state.fl.us/rd/design/PPMManual/PPM.shtm
PPM Update Process

- Draft changes
  - Technical experts

- District Roadway Design Engineers
  - Meetings
  - Review and comment

- District Design Engineers
  - Review and comment

- FHWA
  - Review authority as per Partnership Agreement

- Central Office Criteria and Standards Division
  - Coordinate, document changes, format & publish
PPM Rewrite for Design-Build

- Chapter Authors
  - Training

- Oversight Committee
  - Consistency
  - Accuracy
PPM Rewrite for Design-Build

- Draft changes
- Design-Build Oversight Committee
- District Roadway Design Engineers
- District Design Engineers – ‘Sign-off’
- FHWA
- Central Office Criteria Division
Updates

- Design Bulletin
- Complete Manual
- Updated Forms
- Contact Mailer – Notifications

http://www.dot.state.fl.us/rrdesign/PPMManual/PPM.shtm
Updates

Roadway Design / Criteria and Standards / Plans Preparation Manual

Plans Preparation Manual

PLEASE NOTE:

This site contains all available electronic files (in *.PDF format) for the Plans Preparation Manual (PPM). This includes update packages, implementation letters, and the complete manual.

Hardcopies and CD versions of the Plans Preparation Manual ARE NO LONGER AVAILABLE.

All PPM users (and other Roadway Design manual users) must register their e-mail addresses in the contact management database in order to receive future update notices, design memos, or other important information concerning the Department's design manuals used. Users can register at the following link:

http://www.dot.state.fl.us/contactmanagement/

If you should have any questions, comments or suggestions regarding the PPM, please contact:

Benjamin Gerrell
Phone: (850) 414-4318
Please log in
Create a new account to receive notices about specific publications or training offered by the Florida Department of Transportation. You may revise your preferences at any time by returning to the "Returning Subscribers" area.

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Resend Activation Email
Forgot your password?

Never been here before?

New Subscribers
Create New Account
Design Bulletins

- Contact Mailer Notifications
- Our website:
  http://www.dot.state.fl.us/rddesign/default.shtm
Increasing number of Non-Conventional Projects in the FDOT Work Program

Clarify criteria and phase submittal requirements for Conventional and Non-Conventional Projects

More authoritative

Volume 2, Chapter 2, Section 2.4

Design-Build Phase Submittals
Who?

- Author of the Request for Proposal (RFP)
- Engineer of Record on a Conventional Project
- Engineer of Record on a Non-Conventional Project
Conventional Projects

- Projects for which the preparation of the contract documents is a ‘stand-alone’ effort resulting in Plans, Specifications and Estimates required to advertise a Construction Contract.
Non-Conventional Projects

Examples:

✓ Design-Build (DB) projects
✓ Public Private Partnerships (PPP)
The Office of Construction reviews and approves a draft RFP.

Must clearly define all functions and responsibilities required by the Design-Build Firm.

Boilerplate

http://www.dot.state.fl.us/construction/DesignBuild/DBDocuments/DBDocsMain.shtm

Pre-Scoping Questions

PPM Rewrite for Design-Build

- Sentences, sections or entire Chapters deleted for Design-Build
- Changes for both Design-Build and Design-Bid-Build projects
- Some requirements modified just for Design-Build projects
- Some requirements modified or deleted in the PPM for Design-Build and provided in the RFP.
  ✓ Pre-Scoping Questions
PPM Rewrite for Design-Build

Entire Chapter deleted for Design-Build:

Chapter 3

Earthwork

Modification for Non-Conventional Projects:

Delete **PPM** Chapter 3.
PPM Rewrite for Design-Build

- SR 100 – Rail Trail from Holloway Rd. to Roberts Ln.
Requirements modified for Conventional and Non-Conventional Projects:

10.7.1 Advance Warning Signs

The TTC plan should identify the advance construction warning signs, including legends and location. These include signs such as "Road Work Ahead" and "Road Work One Mile". The TTC plan should provide the advanced warning signs, legends and locations for all proposed operations that require signing. These include diversions, detours, lane closures, and lane shifts, on the mainline as well as crossroads. The sequence for advance signing should be from general to more specific. As an example: Road Work Ahead (general), Left Lane Closed Ahead (more specific), and Merge Right (specific).
## PPM Rewrite for Design-Build

- Tables and requirements modified for Design-Build projects:

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Area</th>
<th>Through or Travel</th>
<th>Speed Change</th>
<th>Turning (LT/RT/MED)</th>
<th>Passing</th>
<th>Climbing</th>
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<tr>
<td>Freeway</td>
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<td>11, 3</td>
<td>11, 6, 12, 12</td>
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1. 11 ft. permitted on SIS roads if one of these conditions exist:
   a. R/W and existing conditions are stringent controls
   b. Facility operates on interrupted flow conditions
   c. Design speed 40 mph or less
   d. Intersection capacity not adversely affected
   e. Truck volume 10% or less

2. 12 ft. lanes for all 2-lane rural.
3. 12 ft. lanes in industrial areas when R/W is available.
4. With severe R/W controls, 10 ft. turning lanes may be used where design speeds are 40 mph or less and the intersection is controlled by traffic signals. Median turn lanes shall not exceed 15 ft.
5. 12 ft. when truck volume more than 10%.
6. 11 ft. for low volume AADT.
Tables and requirements modified for Design-Build projects:

<table>
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<tr>
<th>FACILITY</th>
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<th>AUXILIARY</th>
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PPM Rewrite for Design-Build

- Requirements modified with a Pre-Scoping Question:

<table>
<thead>
<tr>
<th>Modification for Non-Conventional Projects:</th>
</tr>
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<tbody>
<tr>
<td>Delete PPM 1.9 and see RFP for design speed.</td>
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</table>

P.4 At a minimum, provide the following project specific traffic information as part of the RFP:

- Construction phases, operations, and design year,
- Existing hourly traffic volumes over minimum of 24-hour period, including peak hour traffic movements and
- Design speed and proposed posted speed,
- Directional distribution factor (D),
- Standard K factor (K),
- Truck factors (T) for daily and peak hour,
- Design vehicle for geometric design,
- Turning movements and diagrams for existing and proposed signalized intersections,
- Special or unique traffic conditions, including during construction,
- Crash history, including analyses at high crash locations within the project limits, and
- Recommendations regarding parking or other traffic restrictions.

Pre-Scoping Question P.4
Requirements modified in the RFP:

2.1.4.2 Bicycle Facilities

Bicycle facilities shall be provided as required by *Chapter 8* of this volume. Bicycle lanes on the approaches to bridges should be continued across the structure. The District Pedestrian/Bicycle Coordinator shall be consulted during planning and design to establish appropriate bicycle facility elements on a project-by-project basis. *Chapter 8* of this volume contains additional criteria for the accommodation of bicyclists.

Modification for Non-Conventional Projects:

Delete third sentence in above paragraph and see RFP for requirements.
Other Revisions to the PPM

- Bridge Railing
  - Vol.1, Chapter 25, Section 25.4.24.3

- Guardrail to bridge Rail Transitions
  - Vol.1, Chapter 25, Section 25.4.25.2
Bridge Railing within RRR Projects

- Vol.1, Chapter 25, Section 25.4.24.3
- IDS, Index 404
  - Details of structurally narrow and recessed curb post-and-beam bridge traffic railings.
- IDS, Index 405
  - Details of wide curb post-and-beam bridge traffic railings.

Structures Design Standards Update Training Webinar
August 8th, 2013 2:00pm – 3:00pm

Major updates to the 2014 Structures Related Design Standards

Registration Link: https://www2.gotomeeting.com/register/132236746
Guardrail to Bridge Rail Transitions

- Vol.1, Chapter 25, Section 25.4.25.2
- Guidance and details for guardrail retrofits connecting to existing bridge railings
- Additional criteria for evaluating the upgrade or replacement of an existing guardrail to bridge traffic approach and trailing end transition.

Structures Design Standards Update Training Webinar
August 8th, 2013 2:00pm – 3:00pm

Major updates to the 2014 Structures Related Design Standards

Registration Link: https://www2.gotomeeting.com/register/132236746
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We want to hear from you!