FTBA Construction Conference – MOT Session

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FDOT Roadway Design Office
MOT Session – Standard Plans Updates

General Information

http://www.fdot.gov/design/standardplans/
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# General Information

## STANDARD PLANS FY 2020-21 REVISIONS LOG

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<th>Standard Plans Index</th>
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<tr>
<td>102-000</td>
<td>New INDEX - Pedestrian Index 102-000, Reorganized Index and Semicircular, Added &quot;Temporary Roadway&quot; Section, Center Line, Added &quot;Temporary Raised, Rumble Strips&quot;, Deleted, Added &quot;Historical, Older, Retired, Archival&quot;</td>
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<tr>
<td>102-005</td>
<td>New INDEX - Indicators, Updated</td>
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<td>102-010</td>
<td>New INDEX - Work Beyond the Shoulder, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<tr>
<td>102-015</td>
<td>New INDEX - Work on the Shoulder, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-020</td>
<td>New INDEX - Temporary Roadway Closure, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<tr>
<td>102-025</td>
<td>New INDEX - Two-Lane Roadway, Lane Closure Using Flagger, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-030</td>
<td>New INDEX - Two-Lane Roadway, Lane Closure Using Temporary Traffic Signals, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-035</td>
<td>New INDEX - Two-Lane Roadway, Temporary Roadside, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-040</td>
<td>New INDEX - Multilane Roadway, Single Lane Closure, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-045</td>
<td>New INDEX - Multilane Roadway, Double Lane Closure, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-050</td>
<td>New INDEX - Multilane Roadway, Lane Closure with Lane Shift, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-055</td>
<td>New INDEX - Multilane Roadway, Temporary shoulder, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-060</td>
<td>New INDEX - Limited Access Temporary Signing, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-070</td>
<td>New INDEX - Traffic Fencing, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<tr>
<td>102-075</td>
<td>New INDEX - Work on the Sidewalk, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-080</td>
<td>Deleted Index - Removed from Index 102-000, Reorganized Index and Semicircular, Added &quot;Temporary, Retired, Archival, Former&quot;</td>
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<td>102-090</td>
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Index 102-000: Temporary Traffic Control General Information and Devices

Consolidated all device tables into Index 102-000. Previous device spacing tables were generally specific to the Index in which the tables were housed.

Where possible, moved material statements into Standard Specifications, Section 990.

Moved policy statements into Standard Specifications, Section 102.

Major items that moved:

1) Minimum Radii for Normal Crown Table – Moved to FDM 240.2.1.4. No change to values.

2) Length of Lane Closures – Moved to Specification 102-3. Three miles is maximum length of lane closures.

3) Lane Widths – Moved to Specification 102-5. No change to values.
Previously, Index 102-600. Consolidated and revised all spacing tables.
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Index 102-000: Temporary Traffic Control General Information and Devices

Previously, Index 102-600.
Consolidated drop-off requirements.
Previously, Index 102-600.
Added a signing scheme detail to be used when reducing the speed.
Eliminated Index 102-670 and added a Motorist Awareness System detail.
Previously, Index 102-600.
Revised the work zone sign post table.
Previously, Index 102-600.
Added a detail for RPMs on a multilane roadway.
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Index 102-000: Temporary Traffic Control General Information and Devices

Sheet 7 of 8

Previously, Index 102-600.
Added Temporary Raised Rumble Strip details from Index 102-603.
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Index 102-005: Work beyond the Shoulder

Combined previous Indexes 102-601 and 102-611.
Combined previous Indexes 102-602 and 102-612.
Revised device layout.
Added low-speed option for encroaching into the traveled way.
Combined previous Indexes 102-607 and 102-619.
Removed required distance between vehicles.
Revised notes.
Previously, Index 102-603.
Revised device layout.
Moved temporary raised rumble strip details to Index 102-000.
Moved temporary raised rumble strip usage criteria to FDM 240.2.2.13.
Previously, Index 102-606.
Revised device layout.
Moved old note #2 to Specification 102-9.

Index 102-030: Two-Lane Roadway, Lane Closure Using Temporary Traffic Signals
Previously, Index 102-613.
Added optional temporary raised rumble strips.
Deleted sheet 2.
Revised device layout.
Previously, Index 102-623. This Index is also intended to replace usage of center lane closure from Index 102-614.

Added optional temporary raised rumble strips.

Added new sheet with a triple lane closure.

Revised device layout.
Used speed as a demarcation for the means of separation.
High-speed application shown with temporary barrier.
Low-speed application shown with temporary lane separator.
Revised device layout.
Previously, Index 102-655.
Revised the notes and combined plan view drawings.
Removed law enforcement instructions.
Removed design information.
Previously, Index 102-660.
Added a revised option for diverting pedestrians into the traveled way (note that there are no pedestrian LCDs adjacent to the temporary barrier).
Significant Policy Location Changes

Usage Policy:

- Specifies the usage of the typical applications in the Standard Plans and the MUTCD
- Previously, located in Index 102-600
- Moved to Specification 102-5
Significant Policy Location Changes

Overhead Work:

- Specifies the allowances for performing overhead work, primarily on poles
- Previously located in Index 102-600
- Moved to Specification 102-5
Significant Policy Location Changes

Work Zone Lane Widths:
• Previously located in Index 102-600
• Moved to Specification 102-5

102-5.17 Work Zone Lane Widths: Provide work zone lane widths in accordance with the TTCP. When the TTCP does not address lane widths, provide the following minimum work zone lane widths:
   a. 11 feet for interstates and Turnpike facilities with at least one 12 foot lane provided for each direction
   b. 11 feet for all other limited access roadways
   c. 10 feet for arterials and collectors
Significant Policy Location Changes

Length of Lane Closures:

- Previously located in Index 102-600
- Moved to Specification 102-5

102-5.18 Length of Lane Closure: Lane closures must not exceed three miles (includes taper, buffer, and work zone) in any given direction and must not close two consecutive interchanges.

55MPH or greater, lane closures must not exceed 3 miles (includes taper, buffer, and work zone) in any given direction and must not close two consecutive interchanges.
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Significant Policy Additions

PCMS Message Size:
- Added new optional PCMS with a reduced font size for lower speed applications

102-9.12 Portable Changeable Message Sign (PCMS): Use Furnish PCMSs or truck-mounted changeable message signs in accordance with the TTCP and Standard Plans that meet the requirements of Section 990 as required by the Plans and Standard Plans to supplement other temporary traffic control devices used in work zones. Ensure that the PCMS display panel is raised to a fully upright position and is fully visible to motorists. Use PCMS with a minimum letter height of 18 inches. For facilities with posted speed limits of 45 mph or less, PCMS with a minimum letter height of 12 inches may be used.

Messages must have no more than two phases. The display time for each phase must be at least two seconds but no more than three seconds. The sum of the display time must be a maximum of six seconds.
Questions

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