

# ***FDOTSS3 Template Design Basics - Part 2/2***



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**November 19, 2014**

# *Session Overview*

- ◆ Templates
  - What's changed vs. FDOTSS2
- ◆ FDOTSS2 Template Library Conversion Utility
- ◆ Project Template Library
- ◆ Create Template Dialog
- ◆ Template Library Organizer
- ◆ Design/Build Templates Examples
  - Top Ten ECSO Practices
  - Development Steps
  - Common Questions

# *Best Practices*

1. Create a project template library in the project folder
2. Use TLO to copy FDOT templates
3. Organized templates by corridor
4. Version the templates or organize by template drop stations
5. Use Apply Affixes when building new templates (tools options)
6. One green point per template (as a rule)
7. Remove point name overrides, except on common tie down points(All white text)
8. Remove component name overrides except on common tie down components
9. Use the same label on common constraints
10. Create a good Parent/Child relationship Organized in Active Template

# *Development Steps*

1. Modify template to Typical Section dimensions
2. Add the median conditions as necessary
3. Add typical end conditions
4. Add special end conditions in separate templates
5. Add intersection behavior controls
6. Add cross over behavior controls
7. Check all point properties for feature types and HFC controls
8. Test HFC ranges
9. Test Point Controls targets
10. Check for Superelevation, vector offsets, do not triangulate points

# *Common Questions*

1. My cross sections don't look right, How do the ranges work?
2. How to add a lane at 3% slope on the outside?
3. How to match existing or correct cross slope on resurfacing?
4. How to add driveways?
5. How to add curb ramps?
6. How to model a traffic separator nose, curved curb nose?
7. How to model a restricted left turn island?
8. How to change PGL location on typical?
9. How to hold a point on the template to the existing ground?
10. How to hold a point at the R/W line?

# ***QUESTIONS AND COMMENTS***

Thank you for attending !