



# ***Review of FDOT Corridor Modeling Templates***

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***Bradley C. Eiler  
Engineering/CADD Systems Office  
CADD Application Support Specialist  
Phone: (850) 245-1625  
E-Mail: [brad.eiler@dot.state.fl.us](mailto:brad.eiler@dot.state.fl.us)***



# AGENDA

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-  ***Introduction***
-  ***Prerequisites***
-  ***Preferences Overview***
-  ***Create Template Overview***



# ***INTRODUCTION***

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***Welcome to the Review of FDOT Corridor Modeling Templates Presentation. This presentation is an introduction to Template Creation and the Roadway Designer Tool working with FDOT/ECSSO components and templates.***

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# ***PREREQUISITES***

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***To get the most from the Corridor Modeling Tool suite the designer should have a basic understanding of CAD drafting using MicroStation, a basic understanding of GEOPAK concepts and a solid understanding of the engineering***

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# ***PREFERENCES OVERVIEW***

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 ***Template Library***

 ***DDB – Roadway Designer***



# ***PREFERENCES OVERVIEW***

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## ***Template Library***

***Specifies the \*.itl file for the project. This field is populated by a configuration variable set in the SiteFdot.txt file (GPK\_RD\_Template\_Library). The designer can browse to Template Library File by clicking on the magnifying glass and navigating to the location of the ITL file the designer prefers.***

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# ***PREFERENCES OVERVIEW***

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## ***Template Library***

***The configuration variable (GPK\_RD\_Template\_Library) currently is not set in the SiteFdot.txt file. The plan is to configure the variable to look to the project directory for a project specific Template Library File probably located in the SYMB folder.***



# ***PREFERENCES OVERVIEW***

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## ***DDB – Roadway Designer***

***Imports drafting standards from a DDB file into an \*.XIN file. This field is populated by a configuration variable set in the SiteFdot.txt file (GPK\_ACBOOK\_DDBFILE\_STYLES).***

***If the configuration variable (GPK\_ACBOOK\_XINFILE\_STYLES) is set in the Sitefdot.txt file the DDB category will not be shown on the Corridor Modeling dialog.***

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# ***PREFERENCES OVERVIEW***

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## ***DDB – Roadway Designer***

***The configuration variable (GPK\_ACBOOK\_XINFILE\_STYLES) currently is set in the SiteFdot.txt file to look to the Server location for the XIN file. The plan is to configure the variable to look to the project directory for a project specific XIN File probably located in the SYMB folder or the RDDBS folder created by the Corridor Modeling tool in the current working directory.***

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# ***CREATE TEMPLATE OVERVIEW***

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-  ***Point Names List***
-  ***FDOT Folder***
-  ***Project Specific Folder***
-  ***Import Template***
-  ***Tools Menu***
-  ***Create Template Live Demo***



# ***CREATE TEMPLATE OVERVIEW***

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## ***Point Names List***

***List out the FDOT Standard Point Names in the Point Name List dialog. A point name can be added or modified and a point can have a Style associated with it configured from this dialog.***

***The benefit from adding point name to this dialog is that the point name will show in the drop lists on various other dialogs and when utilized will have the associated style already set.***



# ***CREATE TEMPLATE OVERVIEW***

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## ***FDOT Folder***

***The folder displayed in the Create Template dialog Template Library list contains the FDOT configured Assemblies, Components, End Conditions and Typical Sections. This folder should not be a working folder. The work flow should include copying Assemblies, Components, End Conditions and Typical Sections from the FDOT folder to a Project Specific folder.***

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# ***CREATE TEMPLATE OVERVIEW***

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## ***Project Specific Folder***

***A Project Specific Folder is optional, but recommended to help a designer manage there project Assemblies, Components, End Conditions and Typical Sections and still maintain the original released version from FDOT. However, the FDOT folder is not required in a Project Specific Itl file. The designer can use the Template Library Organizer to copy data from the Server FDOT2010.itl file.***



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# ***CREATE TEMPLATE OVERVIEW***

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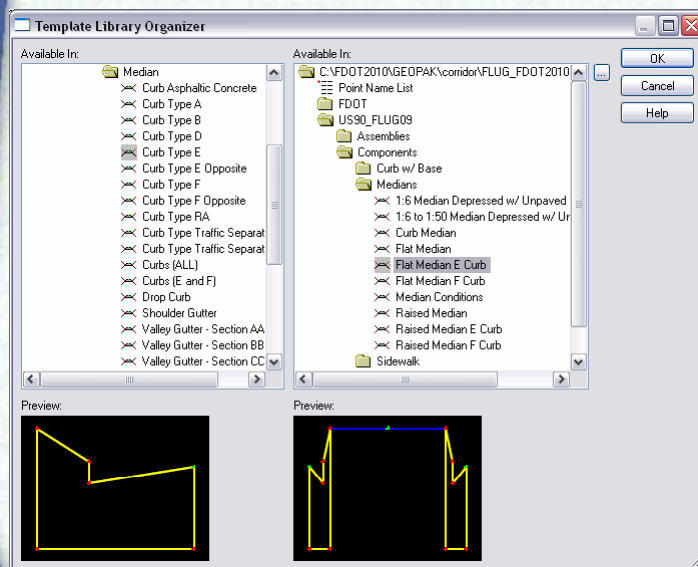
## ***Tools Menu***

-  ***Template Library Organizer...***
-  ***Options...***
-  ***Dynamic Settings***

# CREATE TEMPLATE OVERVIEW

## Tools Menu

### Template Library Organizer...



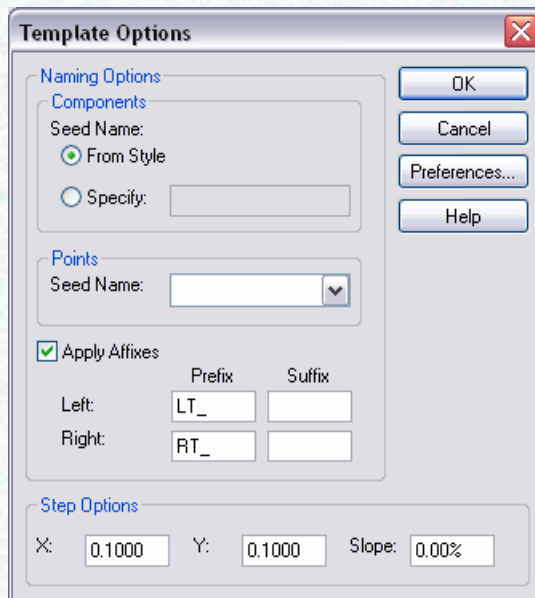
***Use this tool to transfer Assemblies, Components, End Conditions and/or Typical Sections from one Template Library to another.***



# CREATE TEMPLATE OVERVIEW

## Tools Menu

### Template Options...



***Use this dialog to set the template Options and save the settings to a preference file. These are designer preferences and there are no FDOT Standards. FDOT recommends the***

***Prefixes are set to:***

***Left: LT\_***

***Right: RT\_***



# ***CREATE TEMPLATE OVERVIEW***

## ***Tools Menu***

### ***Dynamic Settings***

A screenshot of the "Dynamic Settings" dialog box. It contains fields for X and Y coordinates, Step values, Point Name, Point Style, a checked "Apply Affixes" checkbox, and an "hs=" dropdown menu. A "Set Dynamic Origin" button is at the bottom.

X:	-161.6522	Step:	0.1000
Y:	41.4979	Step:	0.1000
Point Name:	[Dropdown]		
Point Style:	[Dropdown]		
<input checked="" type="checkbox"/> Apply Affixes			
hs=	[Dropdown]	[Text Field]	
[Set Dynamic Origin]			

***Use this dialog for precision drafting of components. This tool allows naming of each point as the designer drafts and selecting a point style dynamically for each point. These are designer preferences and there are no FDOT Standards for point names.***



# ***Create Template OVERVIEW***

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## ***Import Template***

***FDOT will deploy a comprehensive Template Library, however, not every condition or component in the real world will be included. The designer will need to draft their own components. If the designer has already drafted the component in MicroStation the designer can use the Import Template tool on the File Menu to import the graphics to a Template.***

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***Create Template OVERVIEW***

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***Create Template Live Demo***

***LIVE  
DEMO***

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# *Review of FDOT Corridor Modeling Templates*

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# *QUESTIONS?*

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