

# FDOT Roadway Island Modeling

## FDOT Civil 3D State Kit



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Walk through the process of developing a 3D model of a Traffic Island at an intersection and learn some techniques that will be used in the FDOT Civil 3D State Kit.

*Software prerequisites:*

- The most current/latest version of the FDOT Civil 3D State kit should be installed. This will ensure you are using the latest subassemblies developed specific for FDOT roadway modeling Design Standards.

*User prerequisites:*

- Should have a good understanding of AutoCAD and a basic understanding of AutoCAD Civil 3D.

*Session Outline:*

- **Evaluate a Proposed Design 3D Model Intersection (MODLRD##.dwg).**
- **Create new FDOT MODLRD##.dwg using the FDOT Create File application.**
- **Gather data and geometry required to develop 3D Island at proposed intersection.  
Surfaces, Alignments, and External Reference drawings for 2D linework...**
- **Create Civil 3D Feature Lines for Corridor targeting and assigning elevations.**
- **Create Assembly and Corridor that contain FDOT Island Curb Type E Returns.**
- **Create Multiple Surfaces that represent different pieces of a traffic Island.**
- **Create Proposed Island Surface and Mesh/Paste with Final Finished Grade Surface using Data Short Cuts.**

## Notes:

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## FDOT Roadway Island Modeling with FDOT Civil 3D State Kit

Thank You!

Questions?

Any comments to improve your experience?

Email me:

[Mike.Racca@dot.state.fl.us](mailto:Mike.Racca@dot.state.fl.us)

The Civil 3D FDOT State kit is available for download at:

<http://www.dot.state.fl.us/ecso/downloads/software/FDOT2018CADDSoftware.shtm>

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