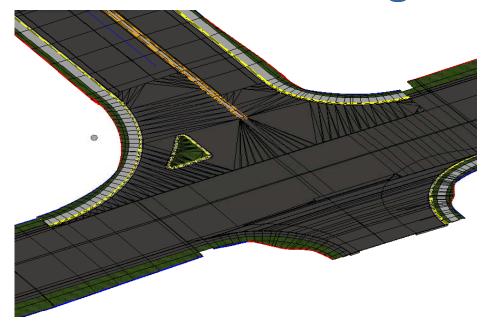
FDOTSS3 Design and 3D Modeling Chapter 9 Detail Modeling



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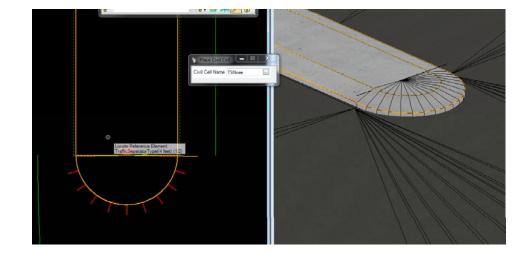
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Detailing the Corridor Design

- Intersections
- Traffic separator nose
- Median crossovers
- Turning Islands
- Driveway and sidewalk ramps
- Curb transitions
- Roundabouts



- Median crown crossover
- Retention pond design
- Gore areas
- Restricted left turn islands





Detail(site) MODELING

Plan ahead – where to use templates, where to use detail modeling

- Linear Templates
- Terrains and Surface Templates
- Integrating with Corridor Clipping
- Leverage 3d Civil Cells(advanced)

Create corridor end condition gaps (optional)

- Template triggers
- Template switches
- End condition exceptions



Detail(site) MODELING

GENERAL WORKFLOW STEPS

- 1. Build 3D lines by Plan(2D) and profiles This is the Key Concept!
- 2. Create Terrain from Elements
- 3. Apply a Surface Template to Terrain for depth
- 4. Apply a Linear Template on edges
- 5. Add Corridor Clipping References (as necessary)



Detail(site) MODELING

Vertical Geometry TOOLS - These are the Key Tools!

- Profile by 3D Element
- Quick Profile Transition
- Profile Intersection Point
- Quick Profile from Surface
- Profile Complex by Elements
- Profile By Slope from Element



QUESTIONS AND COMMENTS

Thank you for attending !

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