FDOTSS4 Crossover Detail Modeling at Intersections

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Session Overview

- In this session we will discuss methods for designing and modeling the *pavement slopes* at intersection crossover locations using FDOTSS4 OpenRoads Technology tools. Techniques will be shown for both open intersections and restricted intersections.
Crossover Detail Modeling

◆ Steps to Configure

Open Intersection Crossover

1. Place Reference Lines (PavementSlopeBreak)
   - From Nose to Nose across median

2. Edit Template CrossOver Median Components (see Point Properties screen shots)

3. Add Corridor References, PavementSlopebreak lines

4. Remove Corridor Reference, TS Nose, Curb Nose

5. Check rollover slope
Crossover Detail Modeling

- Steps to Configure
  - RTL – Restricted Left Turn
    1. Complex Add RTL elements – Civil Cell
    2. Create Profile the RTL elements: use Quick Profile from surface*
    3. Use CurbTypeE linear template where necessary
    4. Edit linear template at flare outs, add HFC
    5. Use Traffic Separator linear template where necessary
    6. Add Point Control to TS linear template
    7. Use Traffic Separator Nose Civil Cell where necessary
    8. Clip where desired
  
  * - Use Top Mesh Terrain
Point Properties: LT_XOVER_CLT
Point Properties: RT_XOVER_CLT

The image shows a software interface for managing point properties, specifically for RT_XOVER_CLT. The interface includes options for setting feature definitions, constraints, and surface properties. Notably, there is a highlighted feature named "PavementSlopeBreak" with a horizontal range of 40.000000.
Point Properties: PVT_CROWN
QUESTIONS AND COMMENTS

Thank you for attending!

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