Earthwork Volumes on Resurfacing and Widening Projects Within FDOT SS4

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Outline

• SS2 vs SS4
• Using the End Area Volume Tool
• Unsuitable Material
• Overbuild
• Example
• Questions
Background – SS2

- Recognizes line styles from your cross sections
Background – SS2

- Earthwork Quantities
Background – SS4
Background – SS4

• Recognizes feature definitions from the components in your model
Background – SS4

- Recognizes corridor shapes
Background – SS4

- Existing features are plotted from the shapes created in the GKLNRD01 (Geopak Lines for Existing Features File).
Earthwork Tool

1. Select your Cross Section Model
Earthwork Tool

2. Select all GENERAL Information for your project
Earthwork Tool

3. Unsuitable Materials by Station
Earthwork Tool

4. Classifications
Earthwork Tool

5. Annotation
Example #1

- Calculate earthwork on a RRR with widening.
Unsuitable Materials

• Import quantities using ASCII file.
• Change location of Cut and Fill Quantities (Horizontal and Vertical).
• Change settings of cross section sheets.
Unsuitable Materials
Unsuitable Materials
Overbuild Quantities

- ECSO is working on a VBA to calculate and tabulate overbuild quantities.
Manipulating Unsuitable Material on Widening Projects

- Existing features in GKLNRD01 need to be split to differentiate between what will remain and what needs to be removed.
- Feature Definition
Questions?

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