FDOT Automated Quantities - Chapter 4 Calculating Quantities

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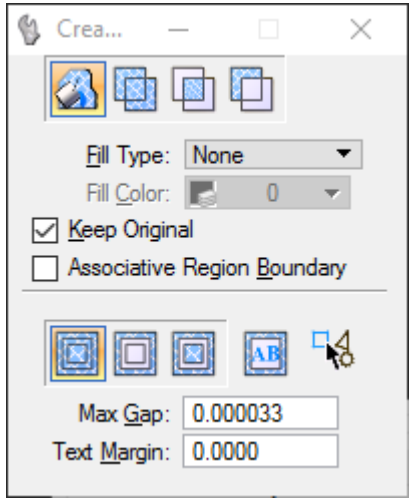
Objectives

- Create Shapes
- Introduce the D&C Manager Compute Mode
- Review Design & Computation Settings
- Calculate Linear and Area quantities
- Learn How to Modify or Add Items to the Database
- Label Area Shapes with Area ID

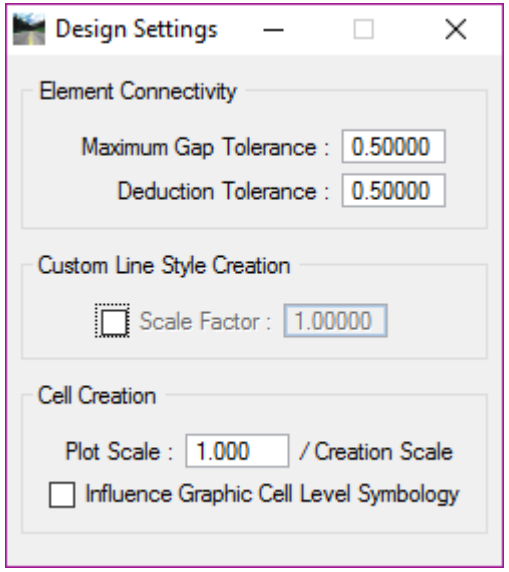
Creating Shapes

- Shapes are created to calculate area quantities.
- Open the D&C Manager, select the appropriate item and turn ON Place Influence and Adhoc Attributes BEFORE creating shapes.
- Shapes should be Simple, not Complex.
  - Use the option to Simplify Geometry when available.
- With Civil Elements, it is recommended to use the Create Region tool.
  - Do NOT toggle on Associative Boundary. D&C will NOT recognize the shape to quantify.

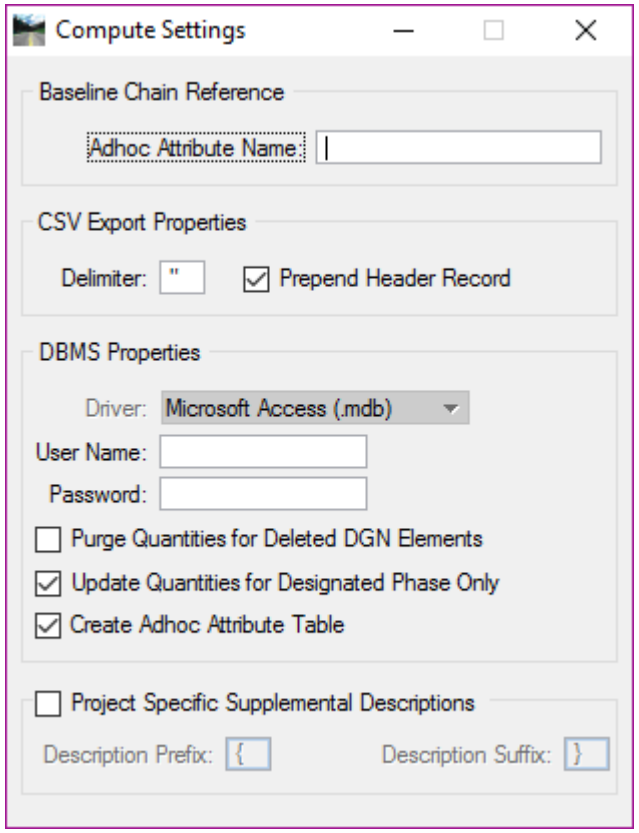


Calculating Quantities

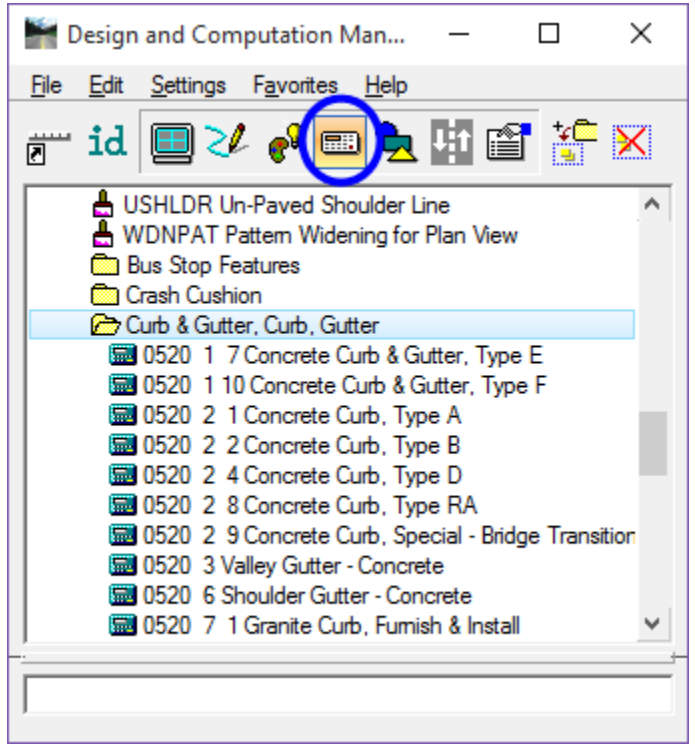
- D&C Manager Automates Quantity Calculations
- Settings to Consider
  - Design Settings

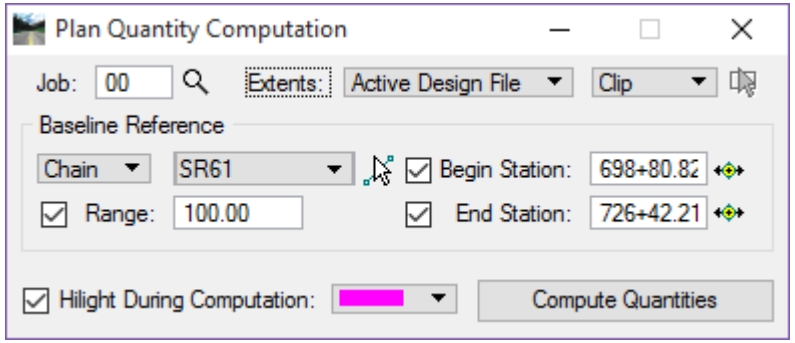


  - Compute Settings



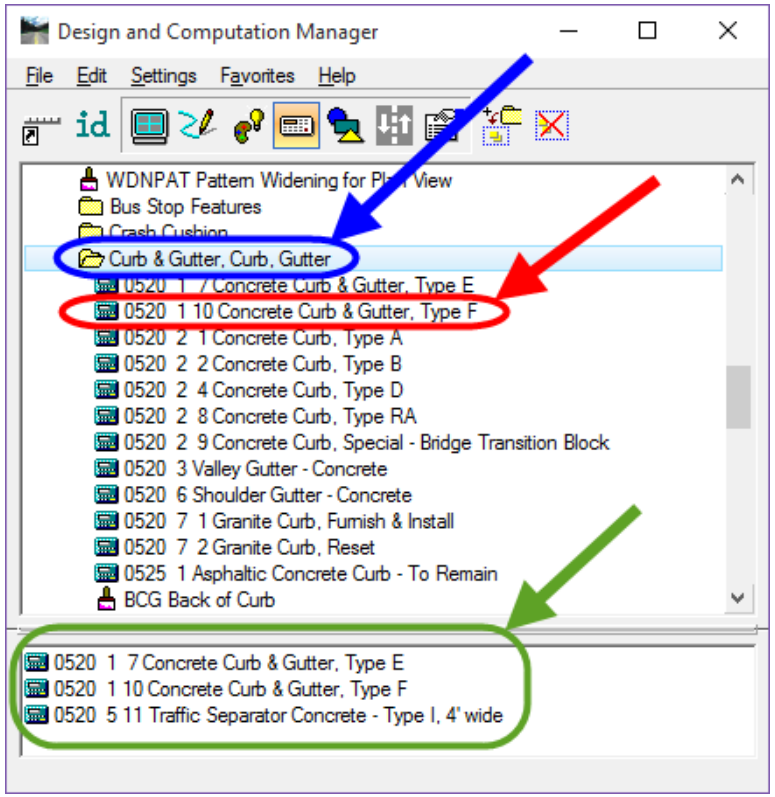
D&C Manager Compute Mode





D&C Manager Compute Mode

- Selecting Items to Compute
  - Single Categories
  - Single Items
  - Collection Sets



- Myth… Items must be in a collection set in order to be calculated.

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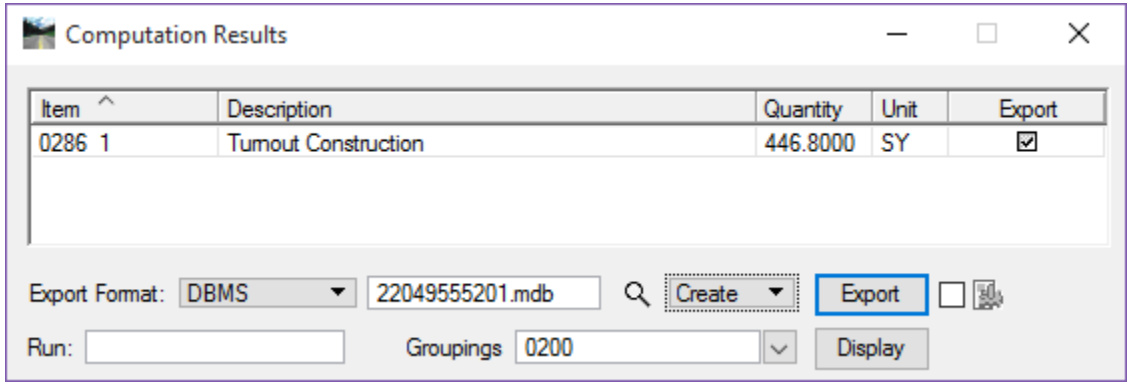
D&C Manager Compute Mode

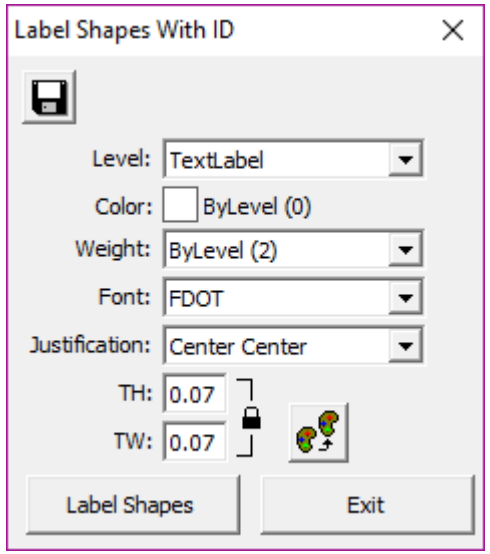
- Computation Results



  - Export Format: DBMS to use Quantity Manager
  - Groupings: Make sure to set to correct PrP grouping to import into Designer Interface (DI).
    - NOTE: DesignEstimate (default) causes ERROR on import to DI.

Label Shapes with ID

- VBA located on the FDOT Actions Menu and Quantities Task Menu



Questions???

Thank-you for joining today's session.

Need some HELP? Contact me…

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FDOT CADD Support Forum On-line

http://communities.bentley.com/communities/user_communities/fdot_cadd_support/default.aspx

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