Roundabouts with V8*i*

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Roundabouts with V8*i*

Overview

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Roundabouts with V8*i*

Outline for Designing a Roundabout

- Design road centerline geometry
  - Alignment or cad graphic
- Place roundabout
- Check entry paths
- Modify roundabout
- Commit Design

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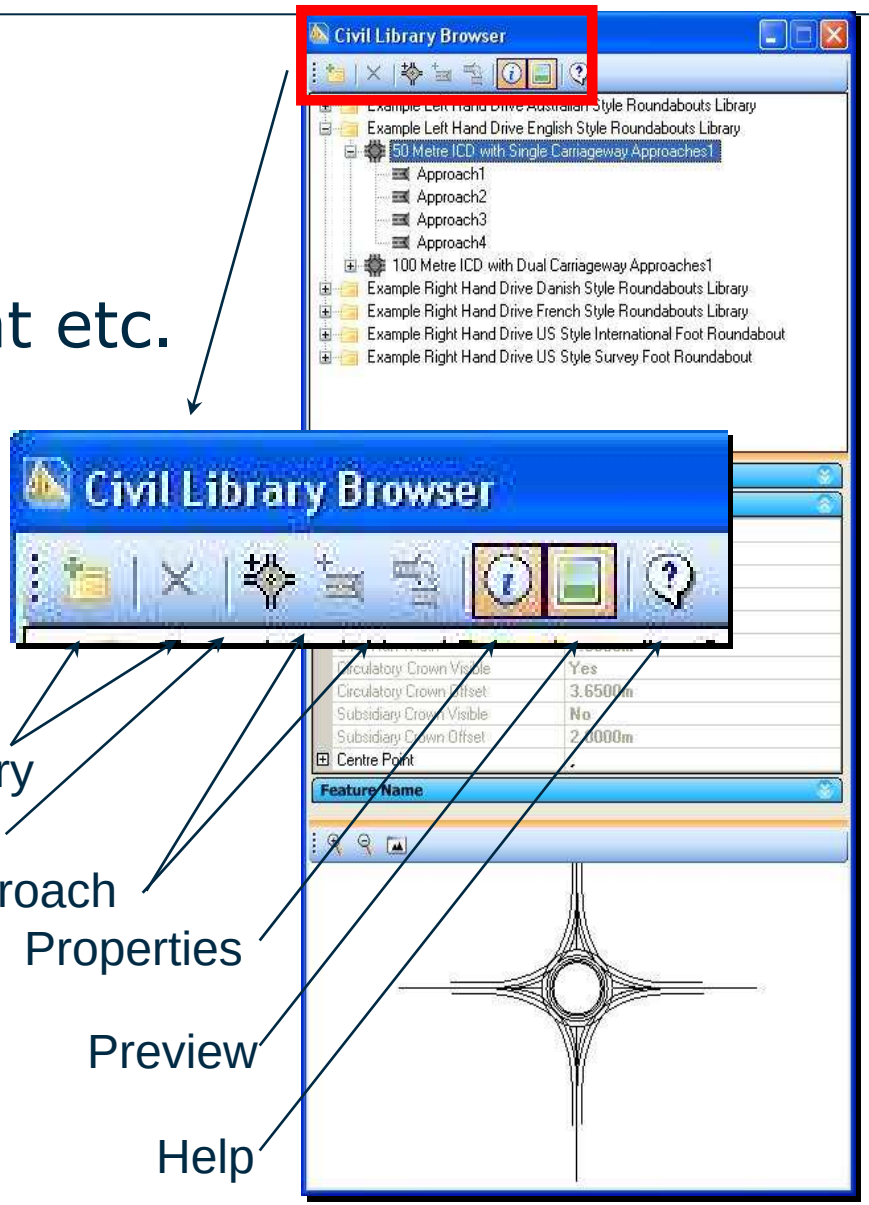
Library Browser

- Libraries, DGN content etc.
- Place Roundabout
- Properties
- Preview
- Help



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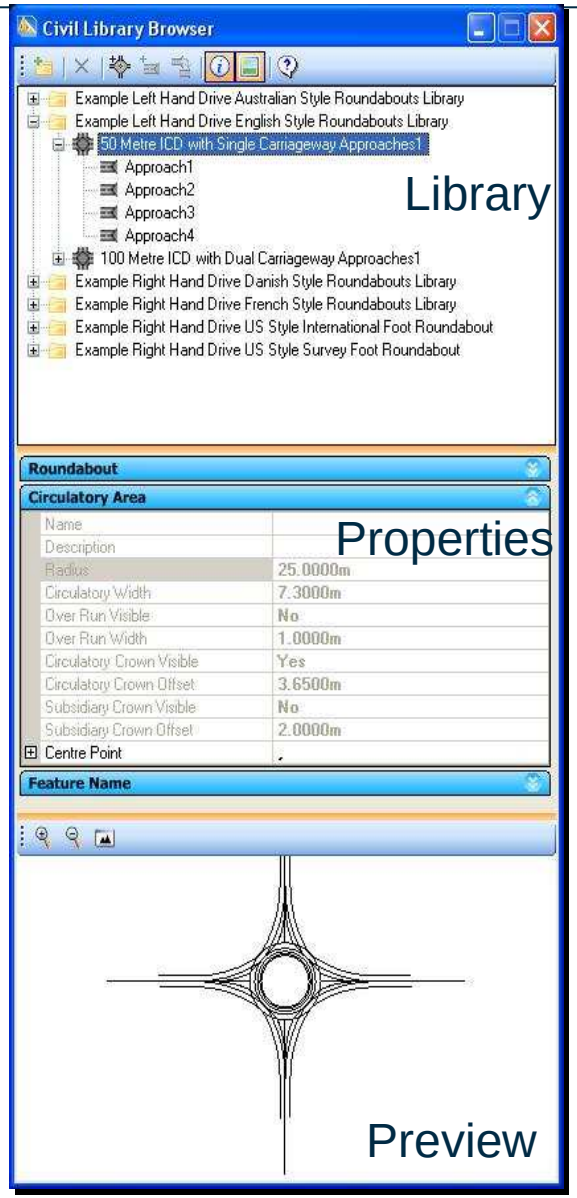
Library Browser

- Each “file” icon is a DGN
- Each DGN contains one or more library items
- Properties are read only – for information
- Preview shows the selected roundabout or approach
- Remember – the browser is only used to place an item!!



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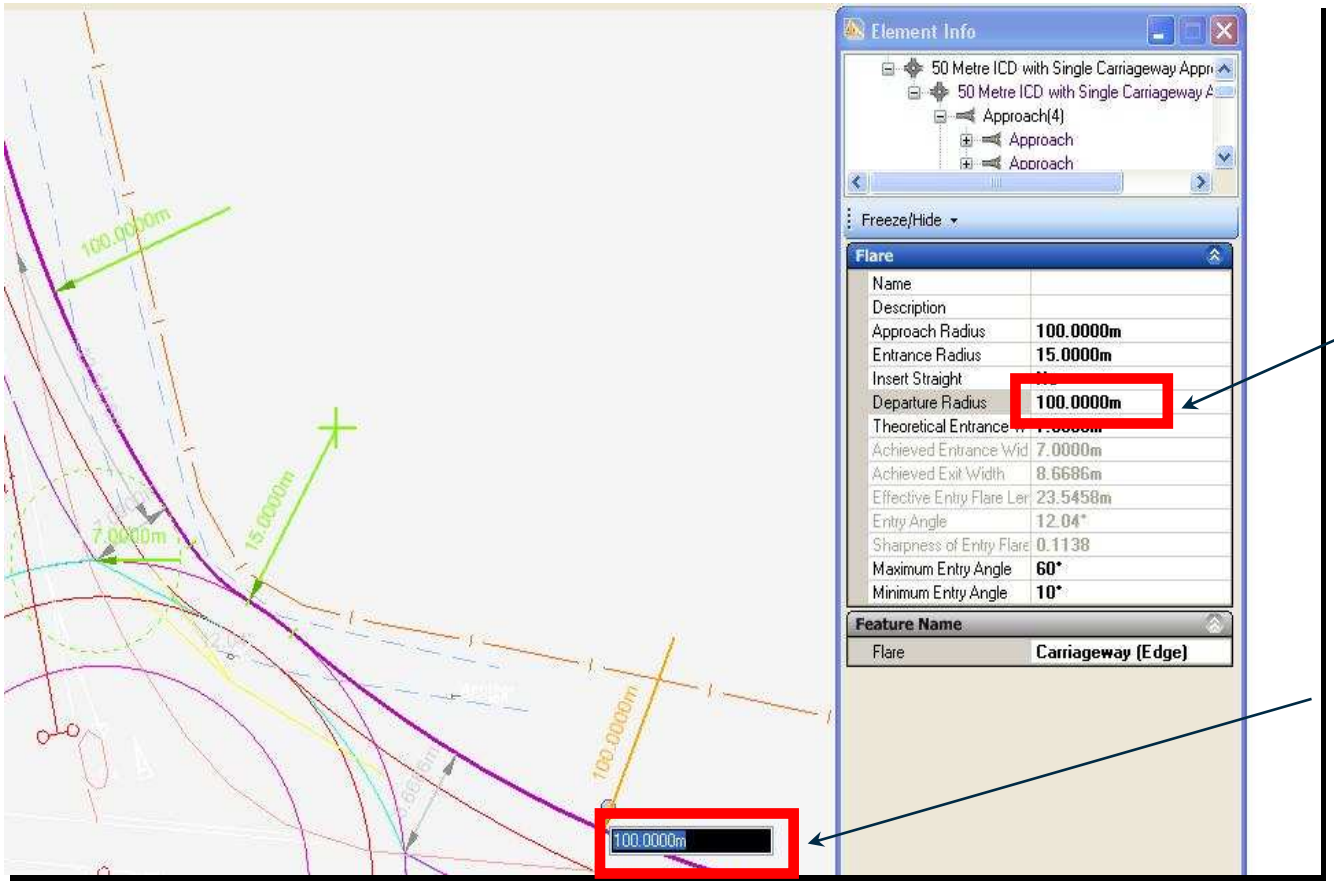
Changing the geometry

- Two ways to do this:
- Properties and Manipulators



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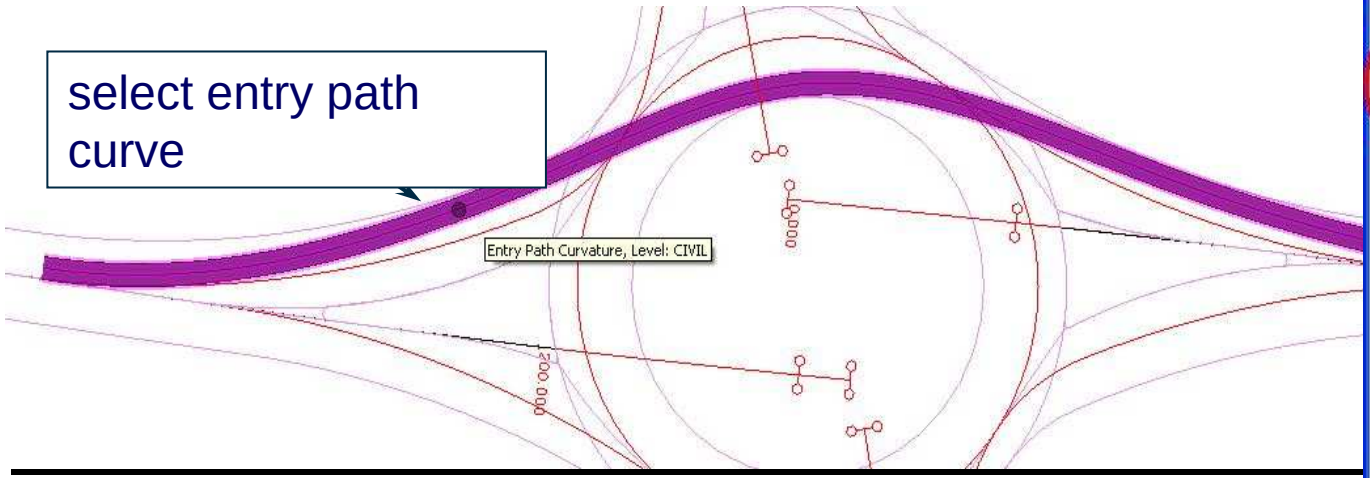
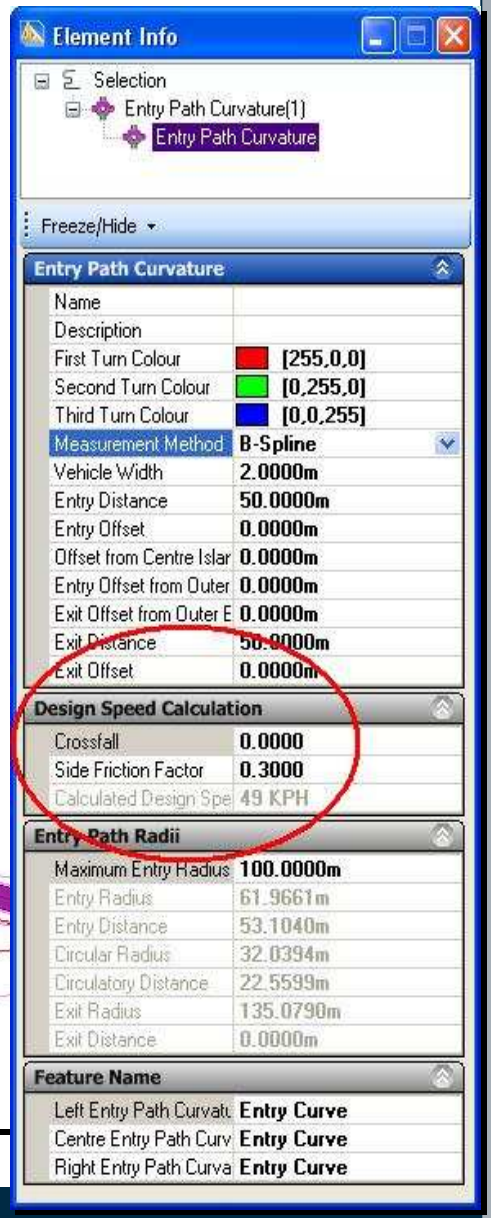
Entry path radius

Entry Path Curvature Analysis

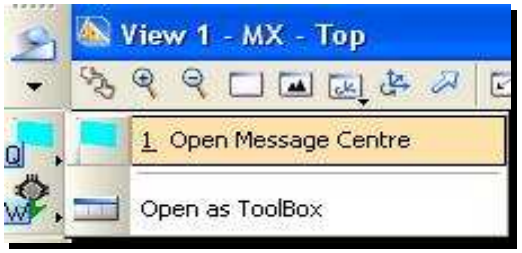
- Design Speed Calculation
- Additional design check





The Message Center

- Message Types
- *Errors* - Design problems. eg, an item cannot be created.
- *Warnings*- Design warnings. eg, a geometry value is outside recommended limits.
- *Messages*- Information Messages. eg, a property value has been changed when geometry has been adjusted.



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Relationship between design and analysis

- We now need to resolve the warnings in the Message center
- Modifications to the design will automatically update the entry path analysis

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Commit

- Creates features in the native application
- Method varies according to the native application
- In InRoads geometry is created in the ALG file
- In PowerCivil and GEOPAK there is no Commit option – you import the elements you require to the Site Modeler

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Roundabouts

Any Questions????

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