Roundabouts

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2002 2003 2004 2005
TMC - DIB
User Group Denmark
Working together

Outline

- Workflow
- Libraries
- Geometry
- Manipulations
- Extending a Roundabout
- Future (yes… 3d)

Roads and Bridges

Bentley

The Project

• The River – Separates Large Town and Bedroom Communities
• On and Off Ramp Major Artery (SR 422- Connects Phila and Reading PA)
• SR 724 – Connects smaller communities in Between Major Cities
• Secondary Rd

Domino Effect Backups !

Roads and Bridges
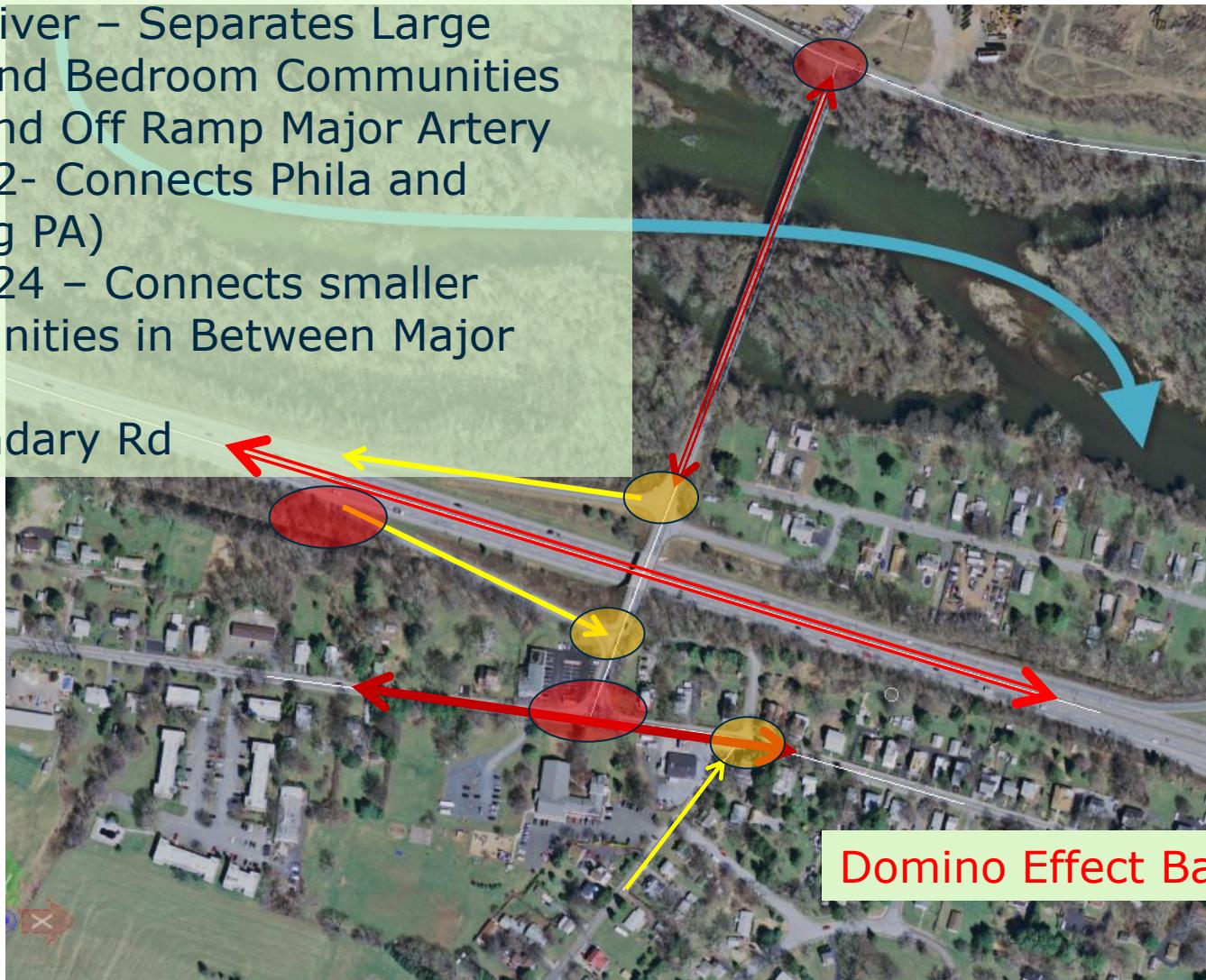
Replace Traffic Signal Intersection With RAB

Roads and Bridges

Roundabouts

Roads and Bridges

Bentley Roundabout Terminology

* Bentley RAB,s Maintain Industry Standard Terminology
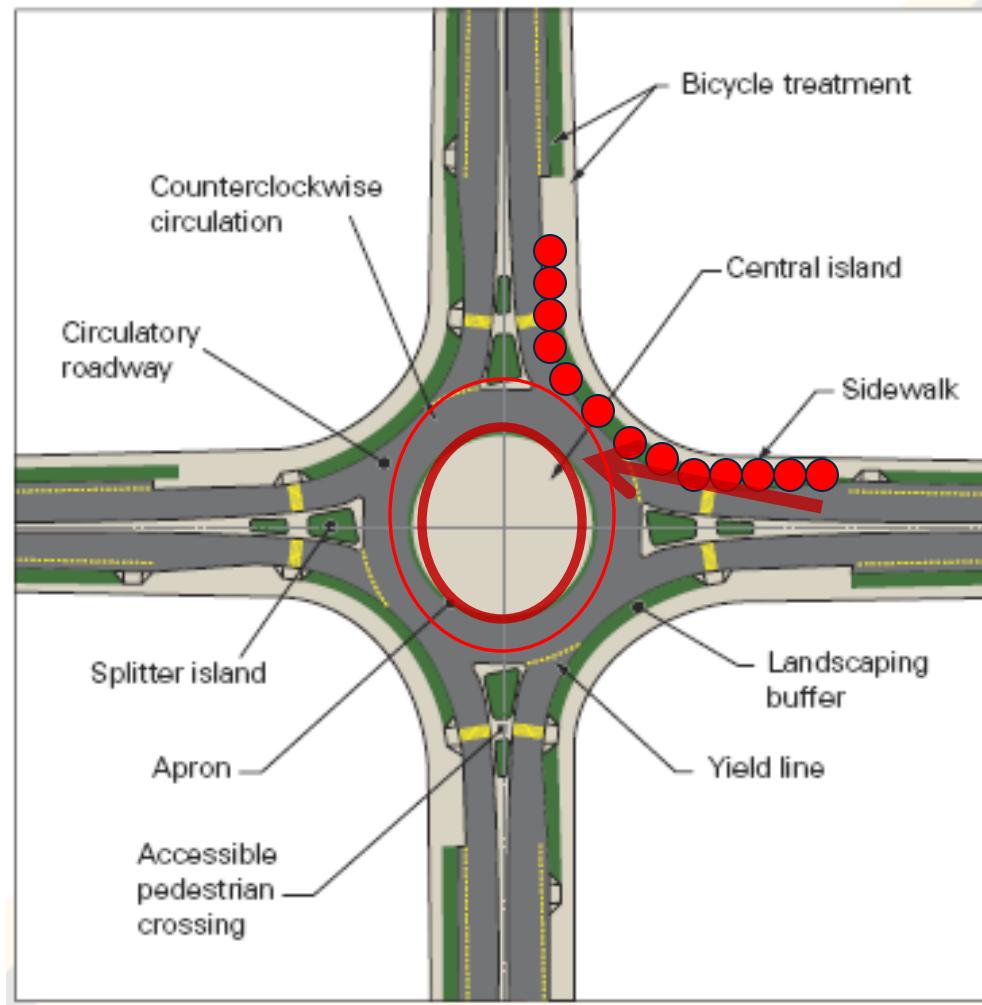
- Flares
- Overrun
- Crown
- Theoretical Entry Path

Bentley Civil Roundabout

- Library Browser

- Approach Tools

- Analysis

- Library Tool

- Item Browser

  - Design Standards

  - Content Management

- Message Center

Roads and Bridges
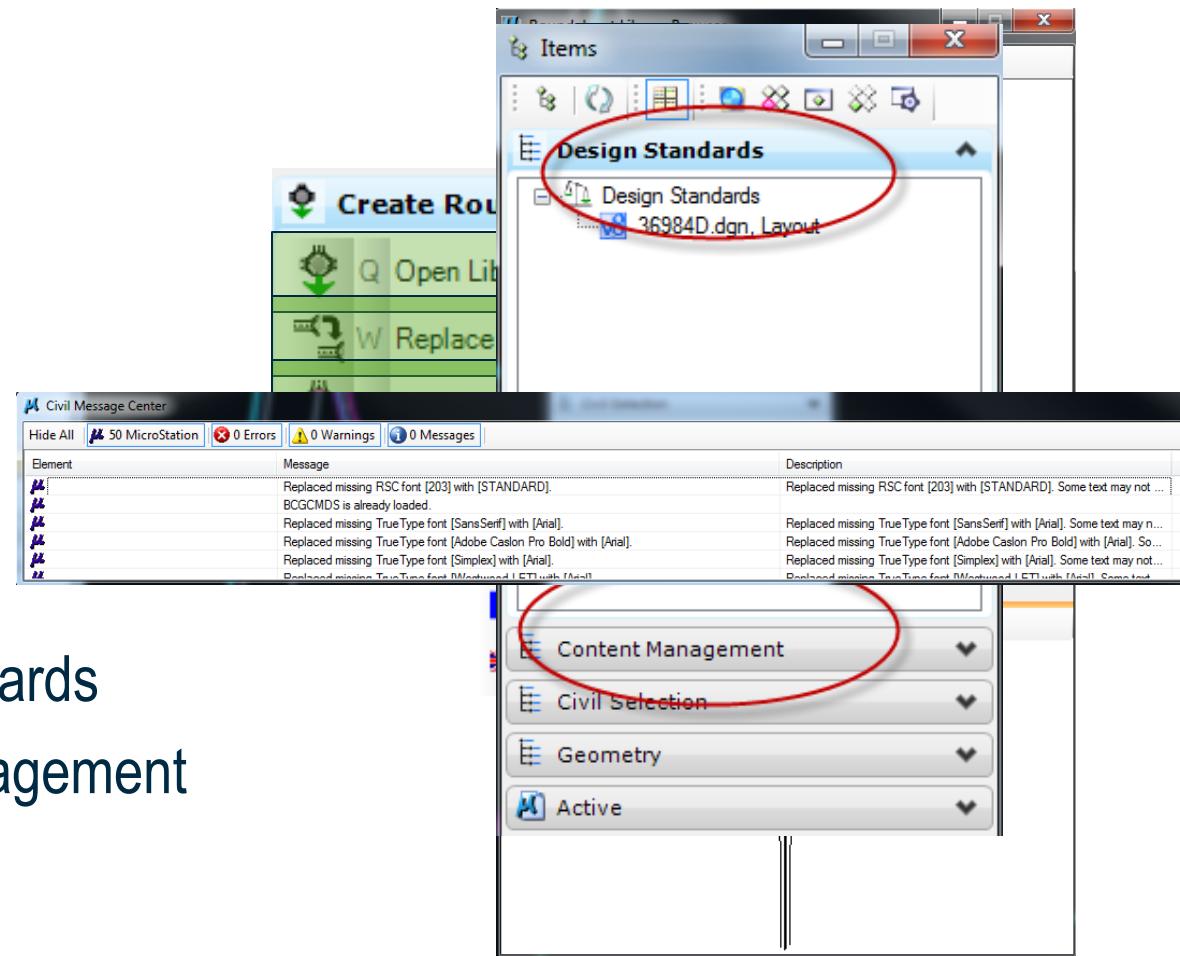
The Workflow

- Set Up Typical Library

- Locate RAB

- Place / Replace Approaches As Necessary

- Analyze Entry Paths

- Modify Geometric Components

- Use RAB Geometry- Create Vertical Alignments

- Create Road Surfaces- Roadway Designer

Roads and Bridges

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Set Up Library

Roads and Bridges

Project Set Up

Roads and Bridges

Beginning Design
Re Align Existing Geometry

Placing & Modifying RAB

Roads and Bridges

Roundabouts

Questions ?

Roads and Bridges