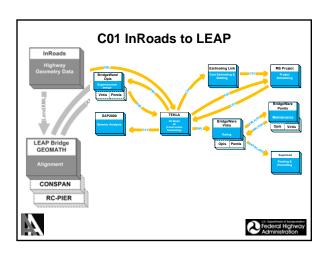
## Part D2: Concrete Design Example

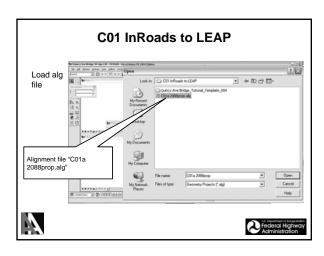
## **Overview (D2-Concrete Design)**

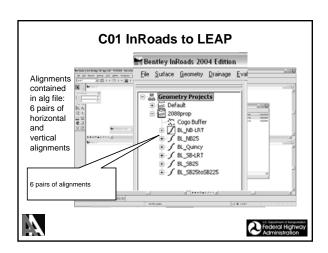
- Hwy geometry compliant concrete bridge design
  - Superstructure
  - Substructure
- Modifying Alignments
- To/From 3D Modeling Env't using XML
- Extracting Drawings from Models
- · Linking Substructure/Seismic Analysis

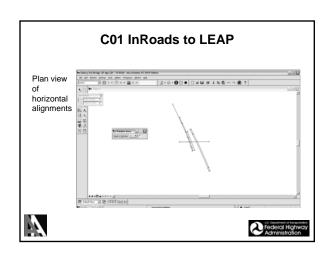


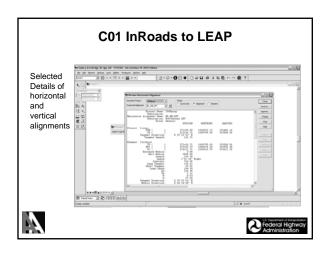


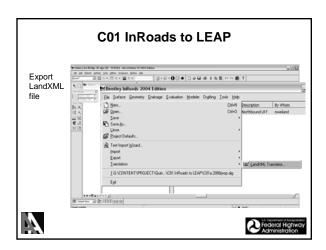


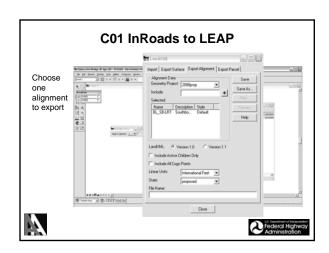


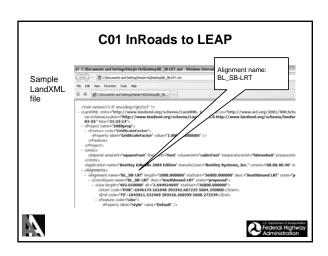


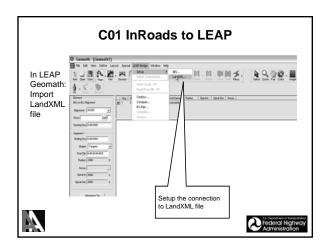


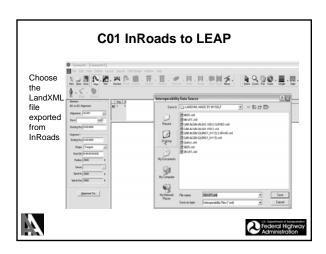


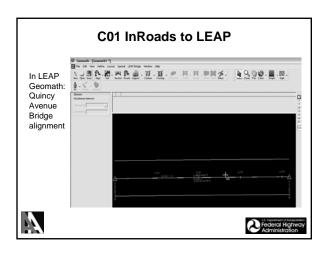


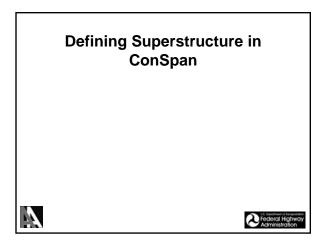


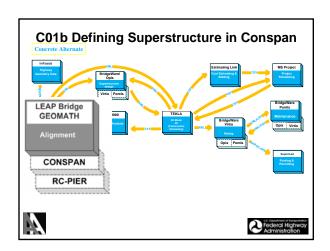


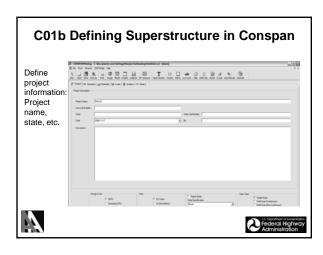


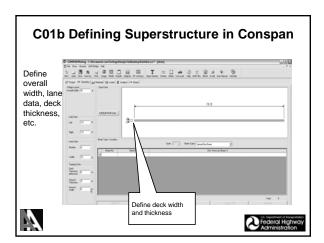


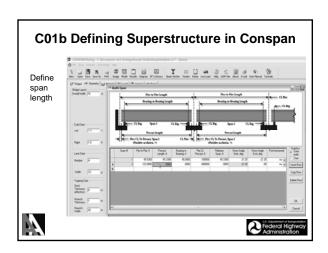


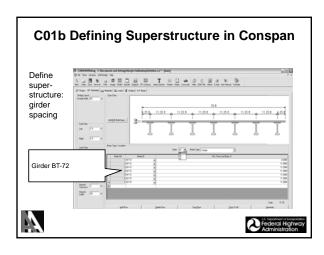


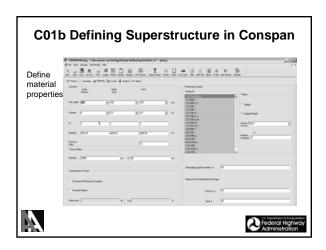


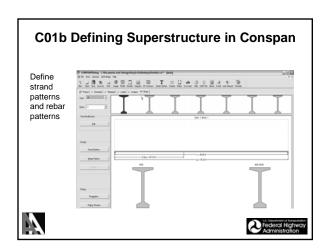


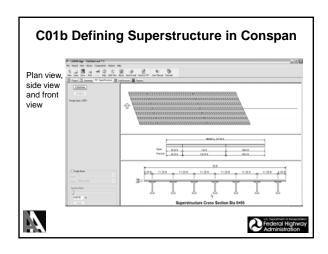


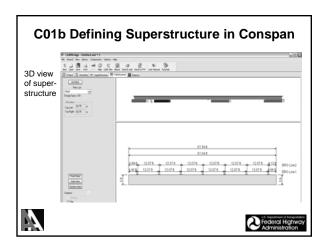


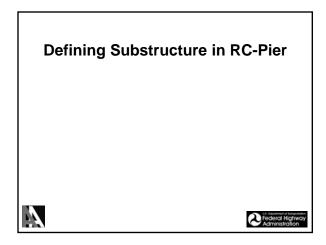


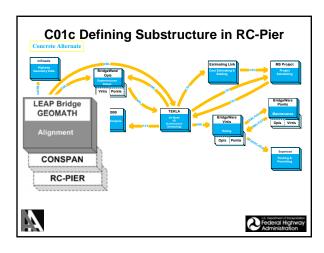


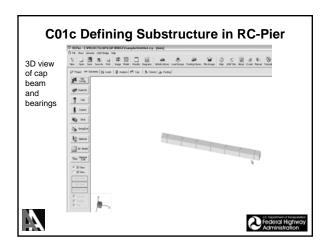


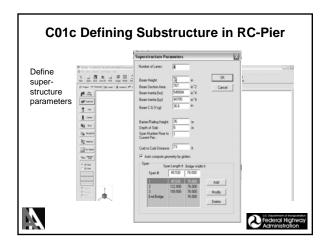


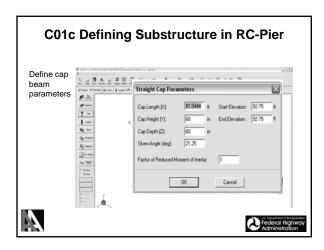


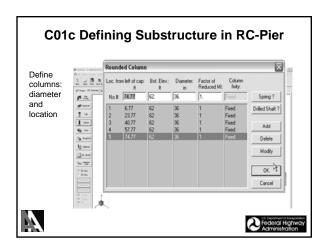


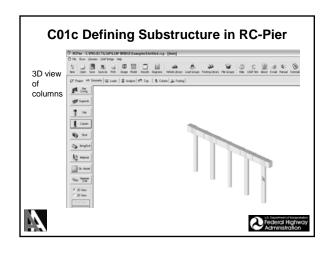


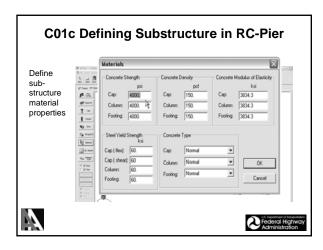


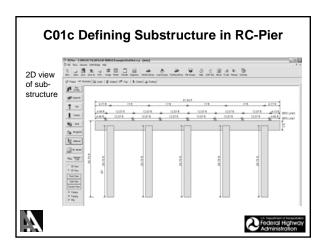


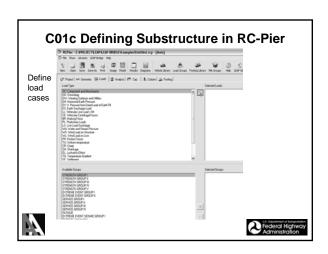


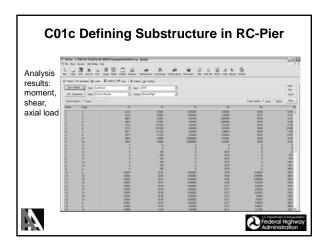


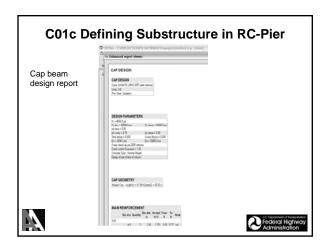


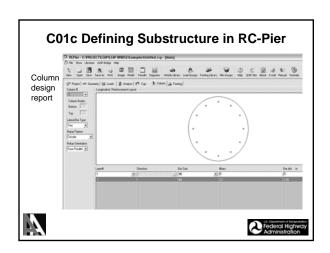


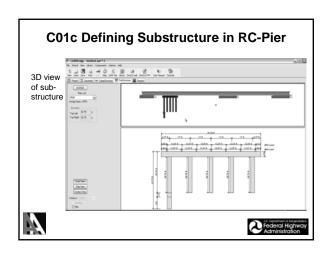


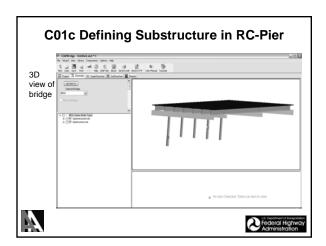


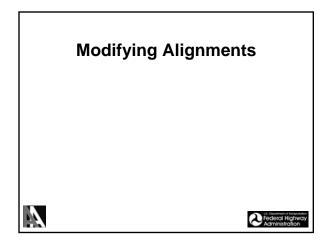


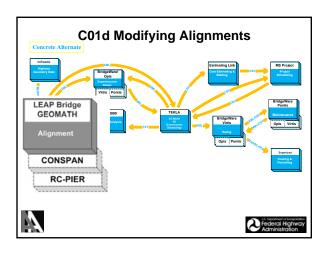


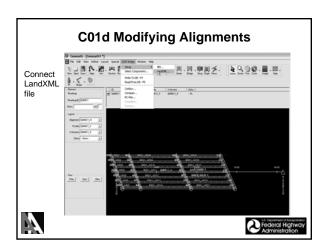


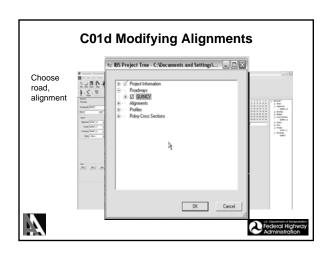


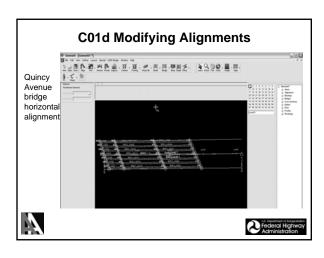


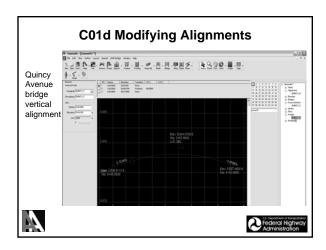


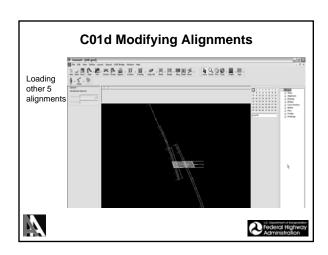


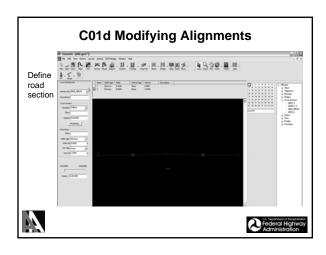


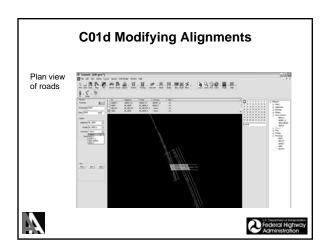


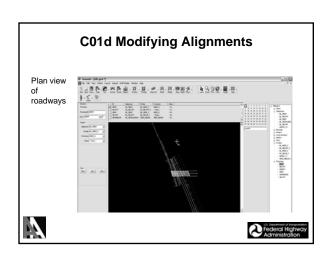


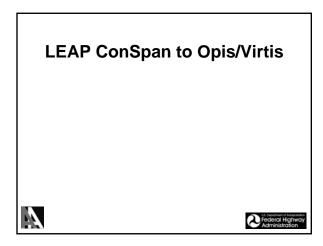


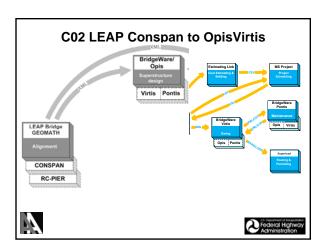


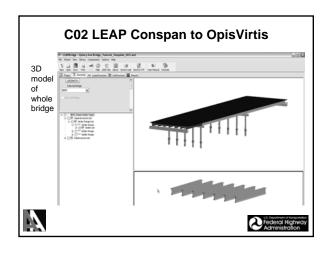


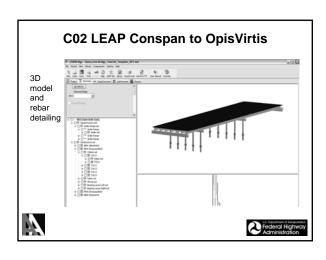


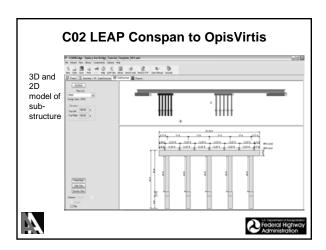


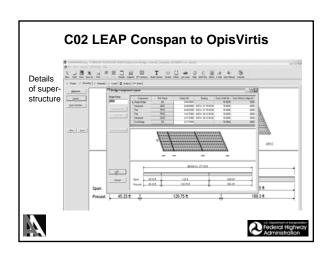


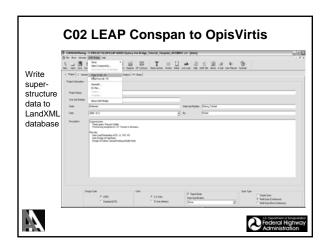


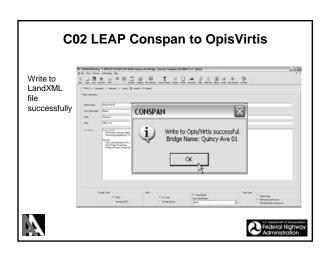


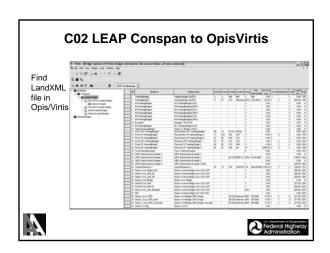


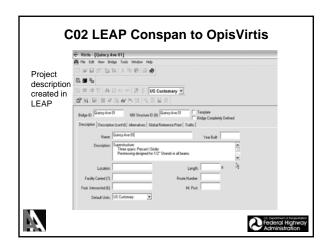


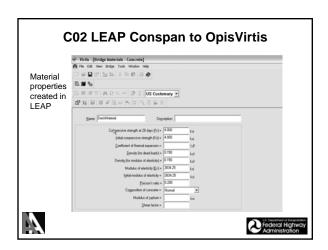


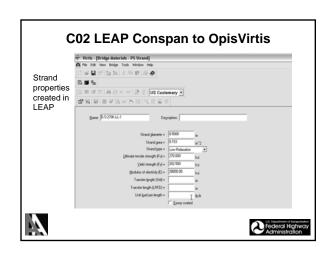


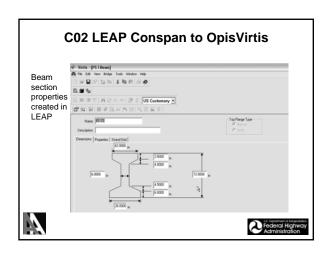


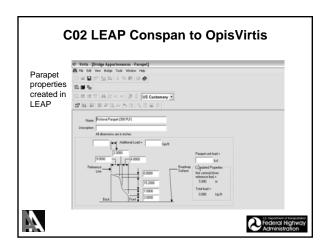


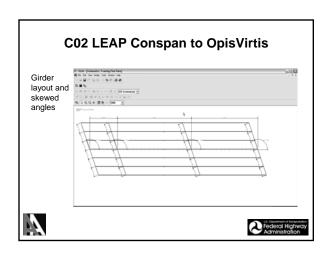


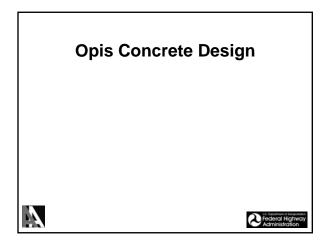


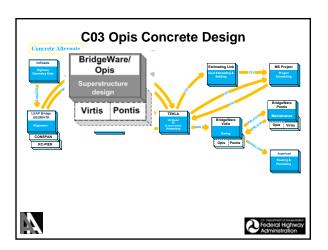


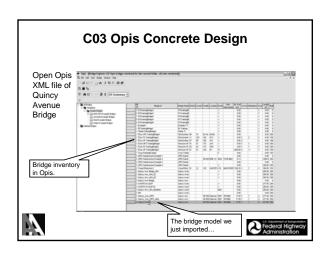


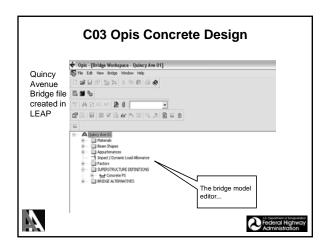


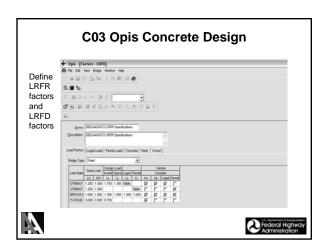




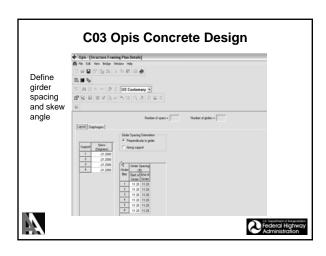


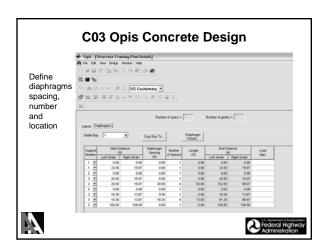


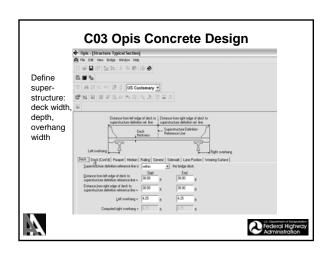


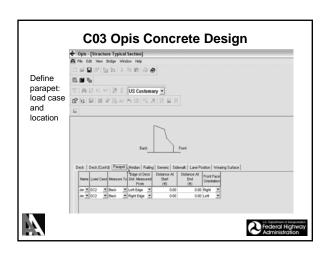


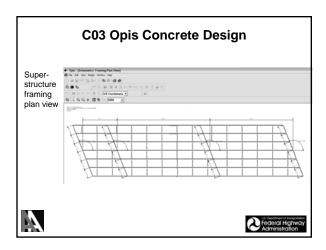


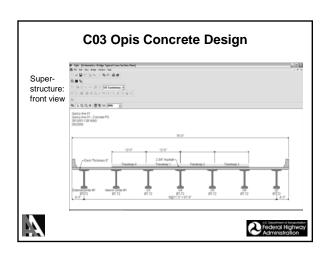


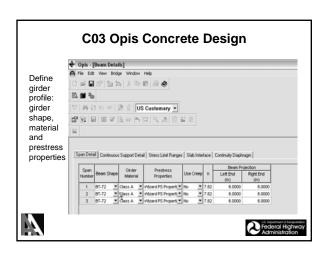


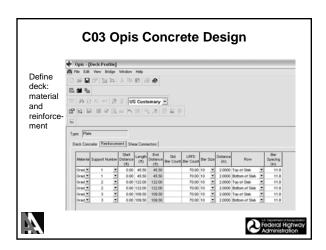


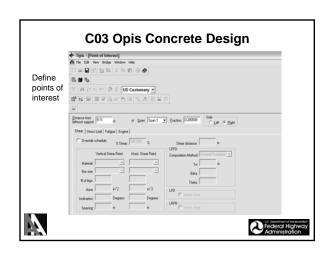


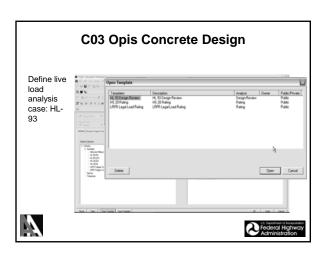


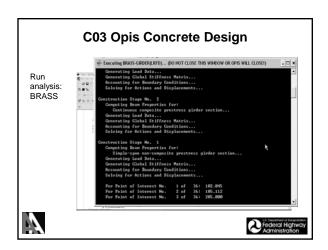


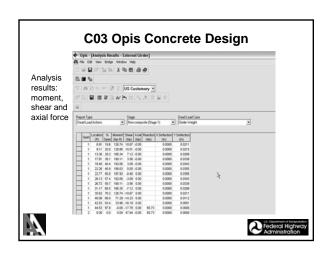


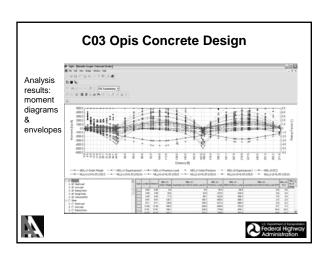


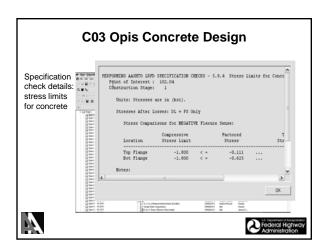


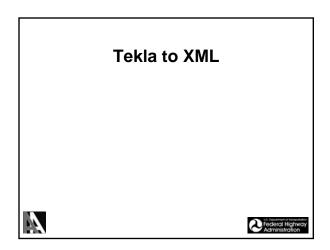


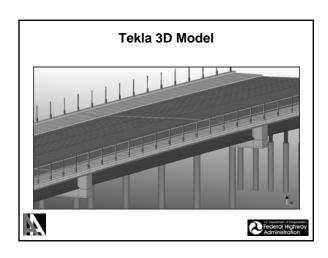


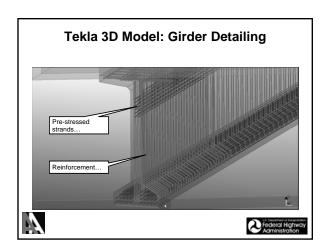


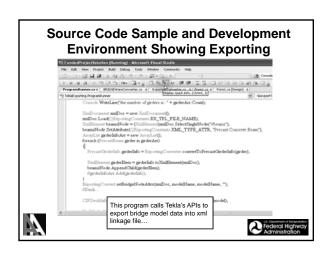


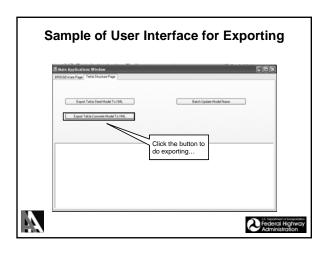


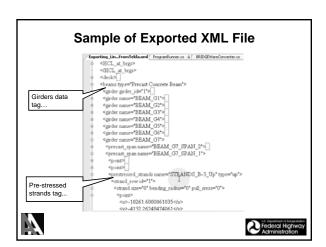




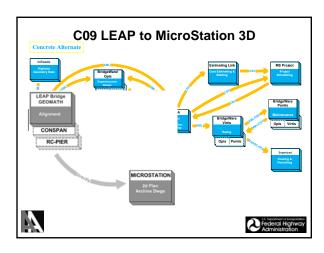


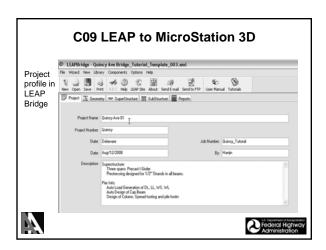


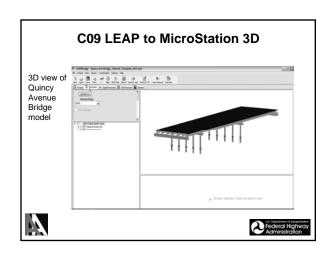


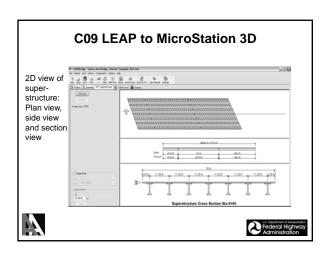


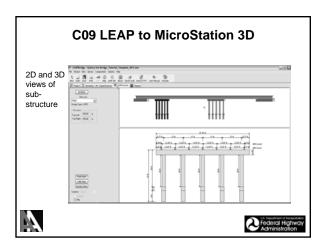


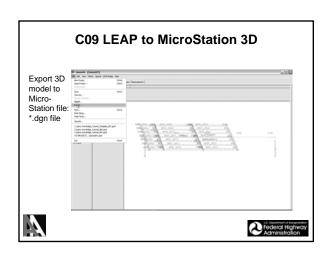


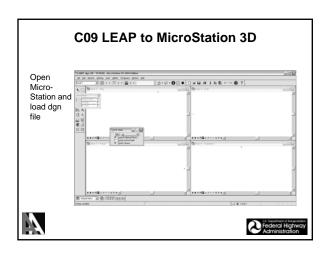


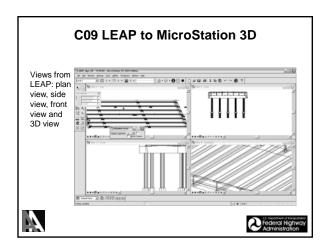


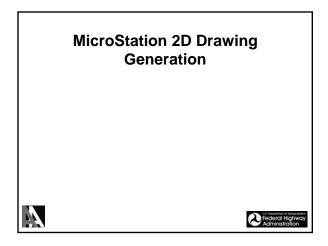


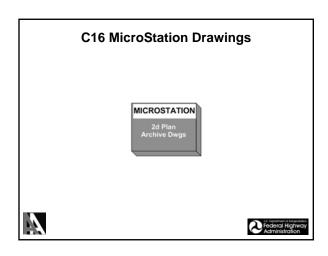


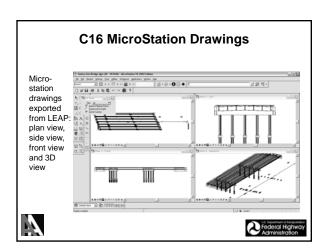


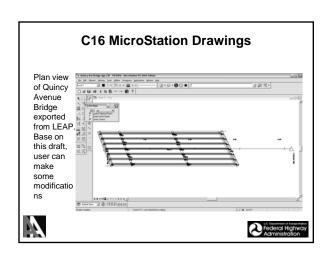


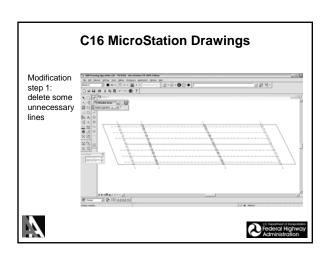


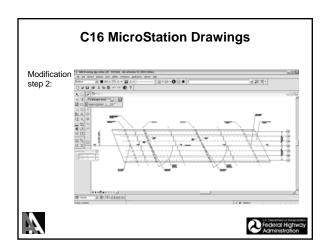


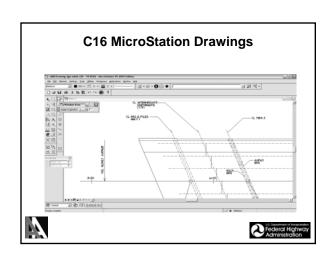


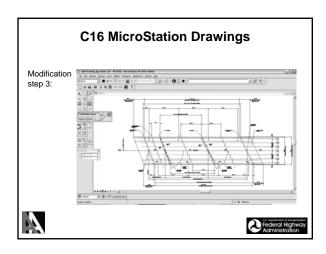


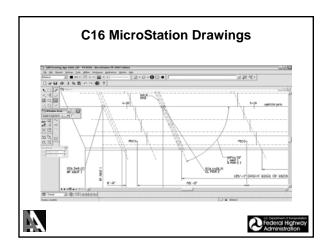


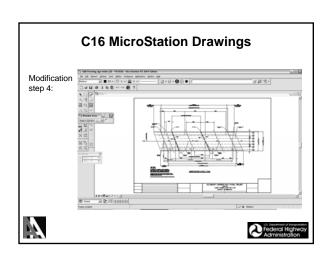


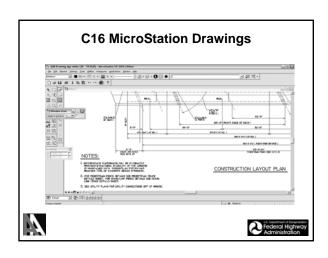


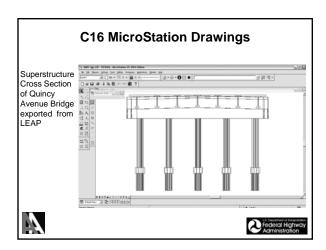


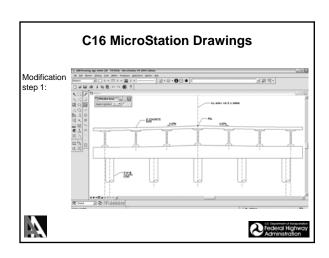


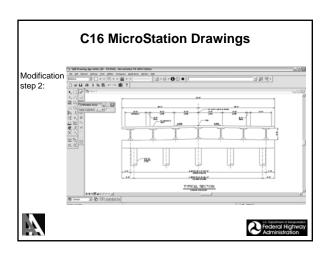


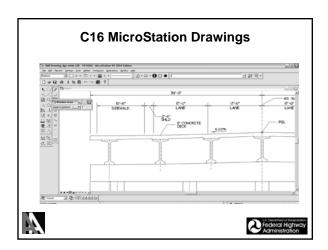


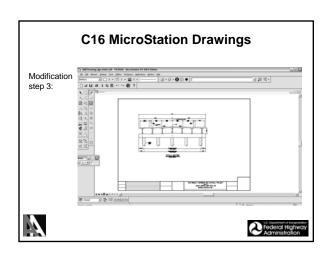


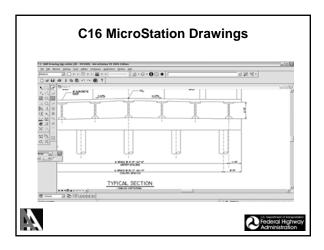












## **Summary (Part D2-Concrete Design)**

- Workflow demonstrated for concrete alternate of Case Study bridge
- One of several possible such workflows
- Encompassing analysis & design, superstructure & substructure, 3D modeling environment (used subsequently for drawing generation and further downstream...)



