

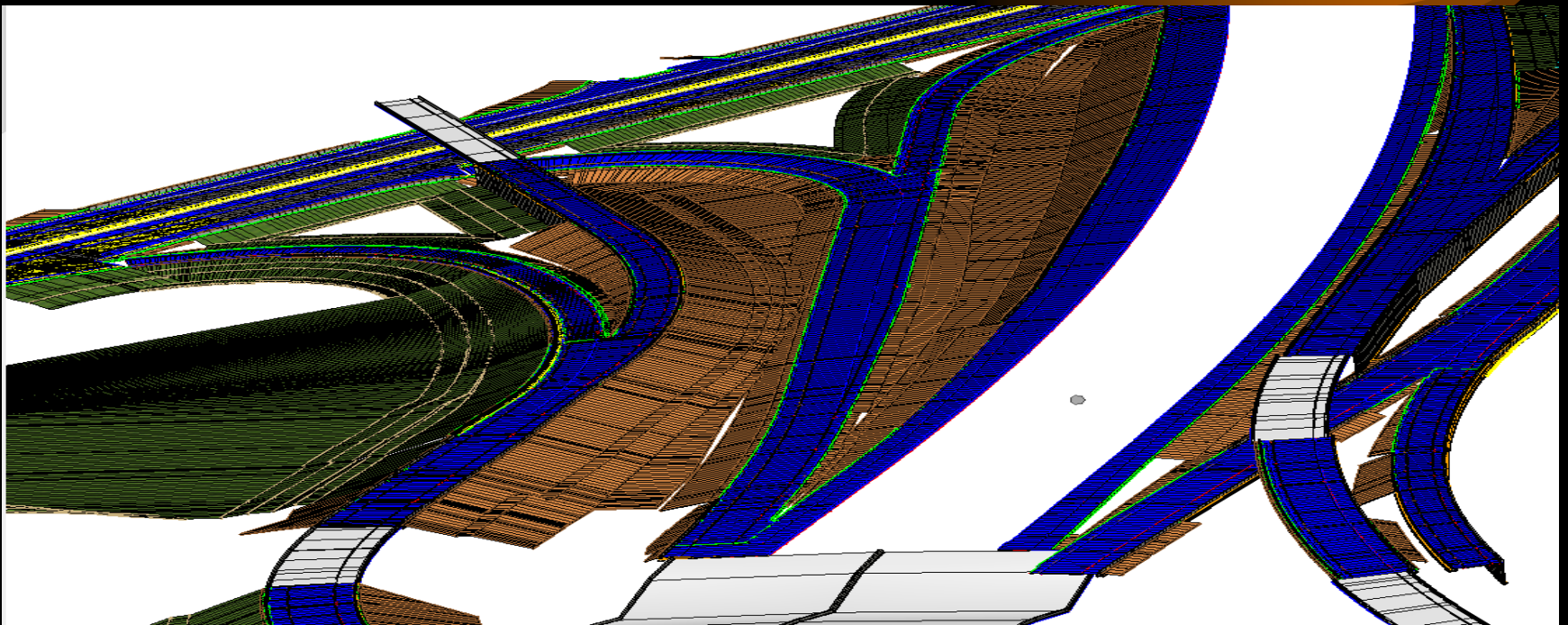
3-D MODELING OF INTERCHANGES USING GEOPAK

PRESENTED BY

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OUTLINE



- Introduction
- Approach
- Challenges
- Solutions

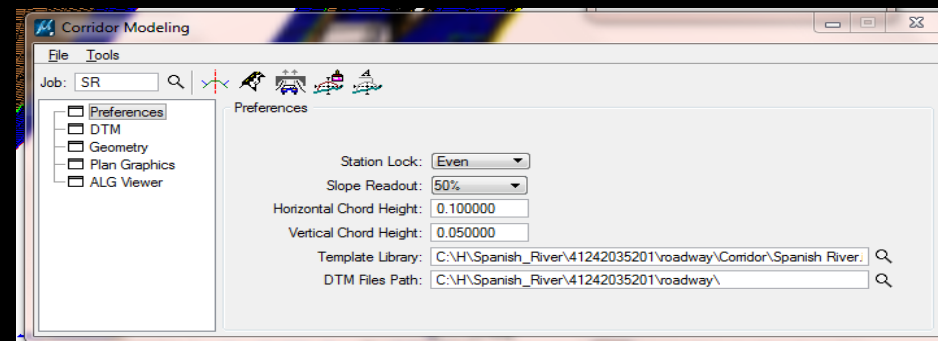
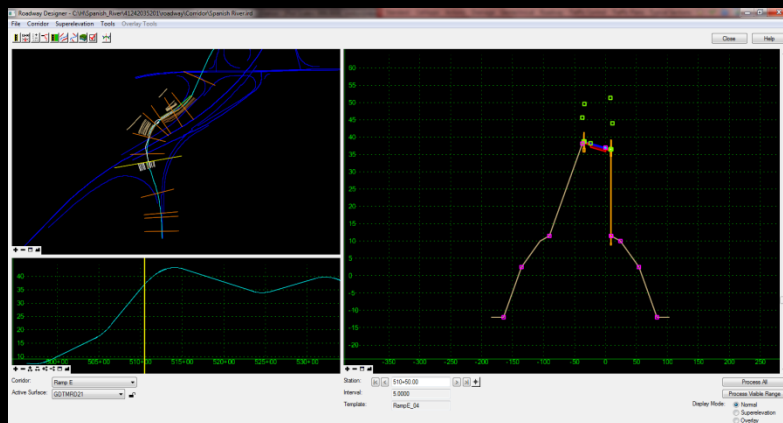
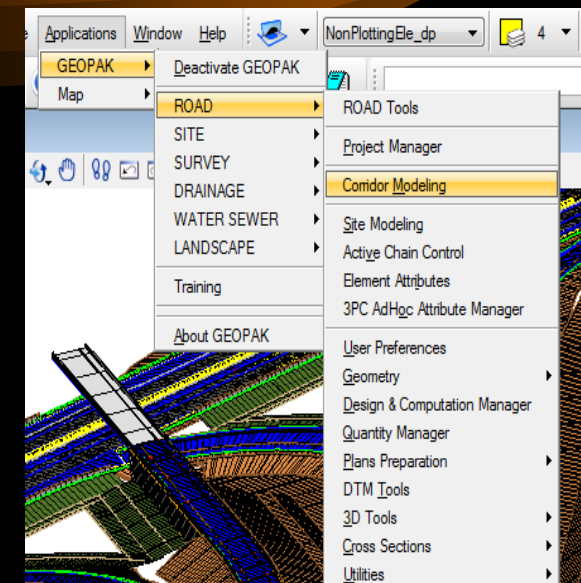
3D MODELING

What are We Talking About?



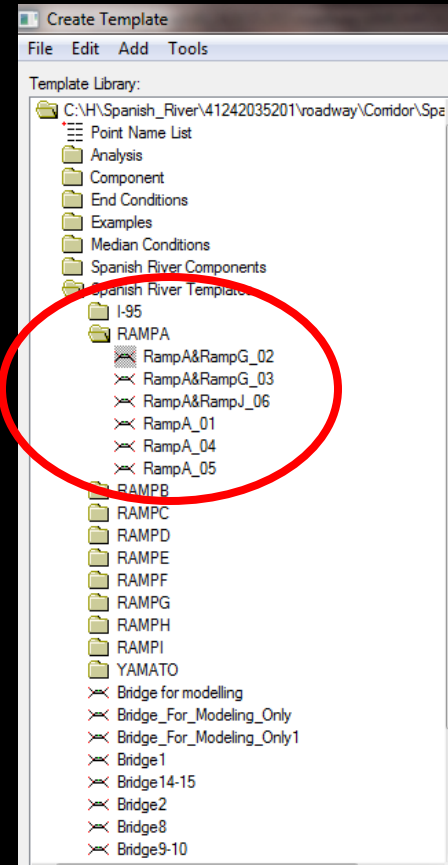
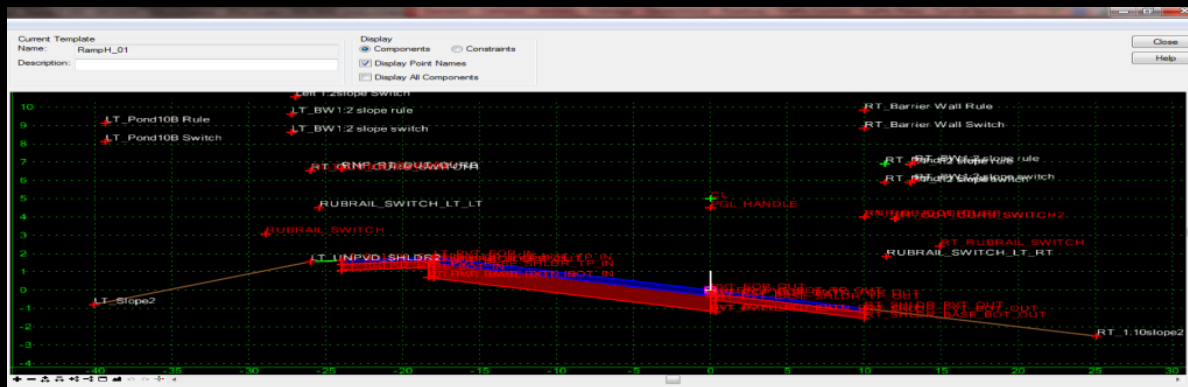
INTRODUCTION

- Need to move from 2D to 3D
 - Can easily evaluate design alternatives.
 - Better quality control, identify conflicts early.
 - More efficient – Minimizes delay due to design changes.
 - Immediate visualization helps determine constructability.



APPROACH

- Modeling Mainline OR Ramps ???
- Template design
- Arrangement of templates in the Template Library.



CHALLENGES



Modeling the gore areas.



Modeling the dry and wet ponds along with roadway features.



The interval of the template drop for corridor modeling and creating the surface (proposed DTM).

CHALLENGES



Creating the cross section patterns and proposed x-sections using the proposed DTM.



Modeling the milling, resurfacing and overbuild on the approach road.

QUESTIONS



THANK YOU FOR ATTENDING !!!

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