

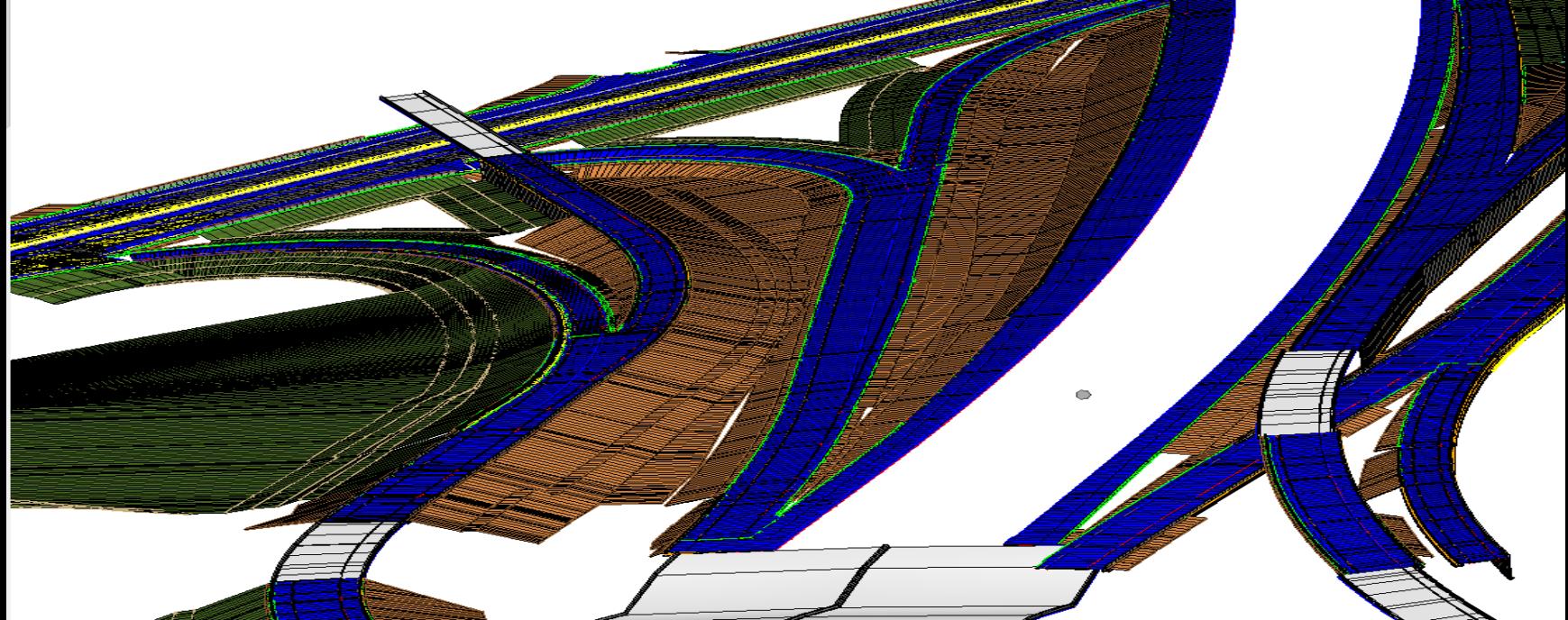
3-D MODELING OF INTERCHANGES USING GEOPAK

PRESENTED BY

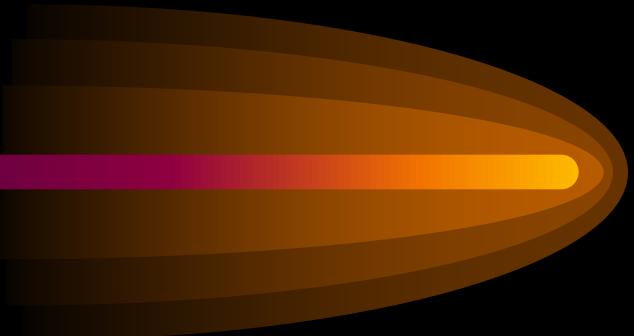
Tejsingh Rana - Project Engineer

Beiswenger Hoch & Associates, Inc.

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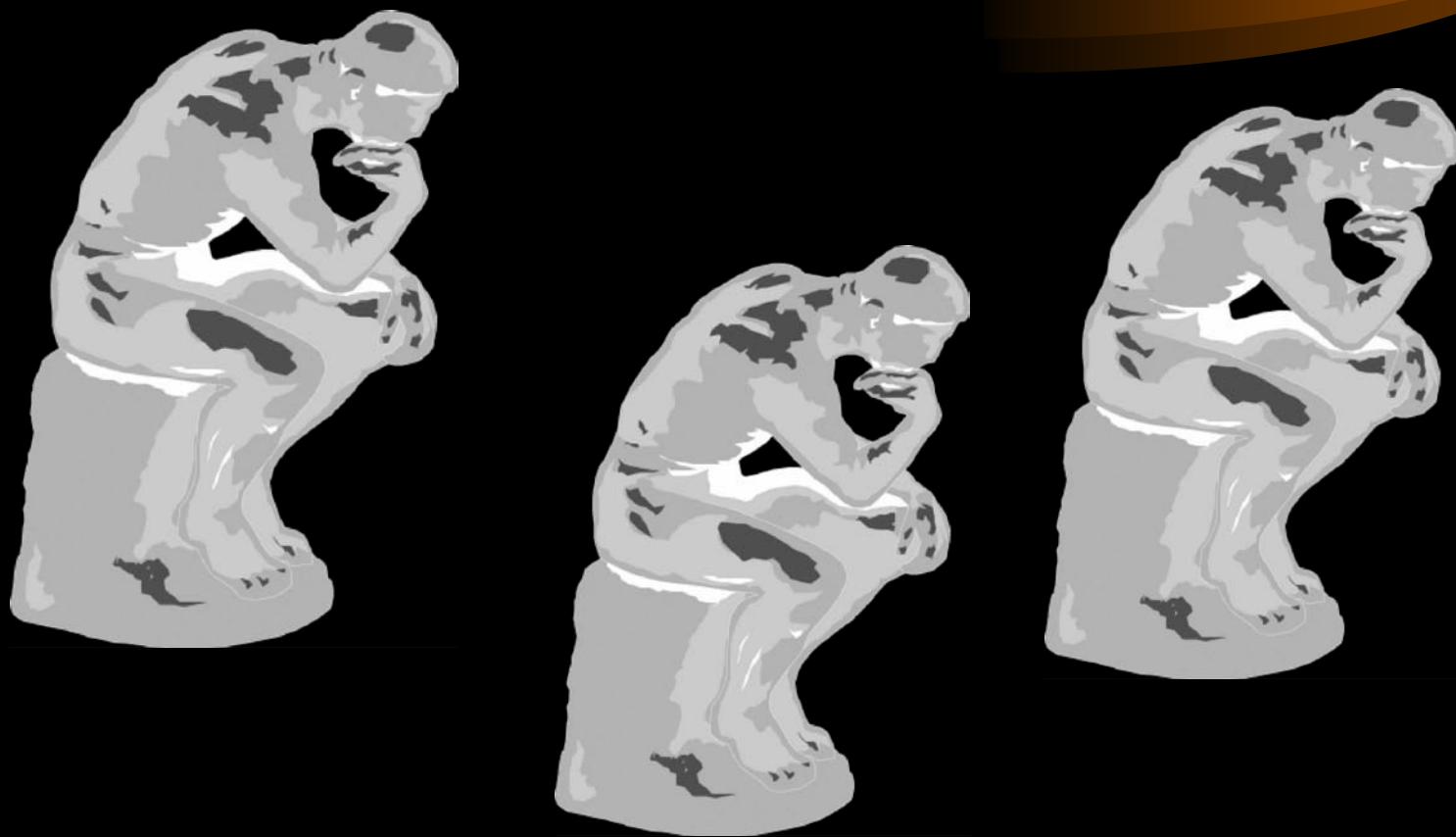
OUTLINE



- Introduction
- Approach
- Challenges
- Solutions

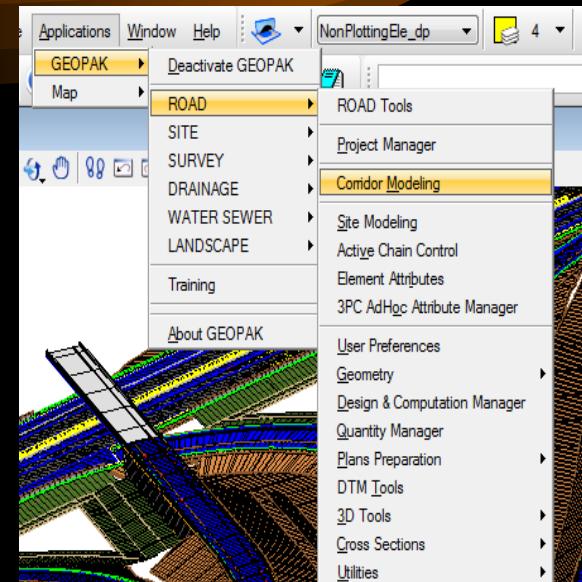
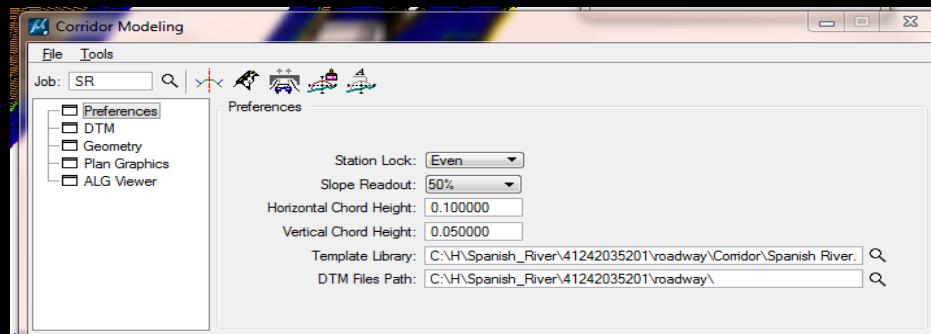
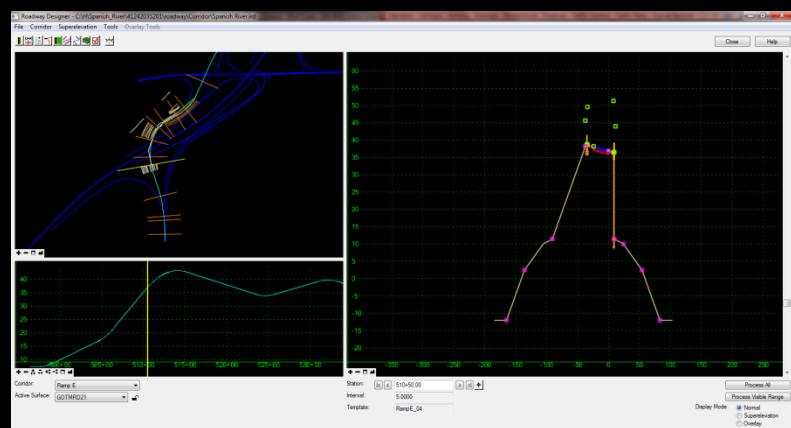
3D MODELING

What are We Talking About?



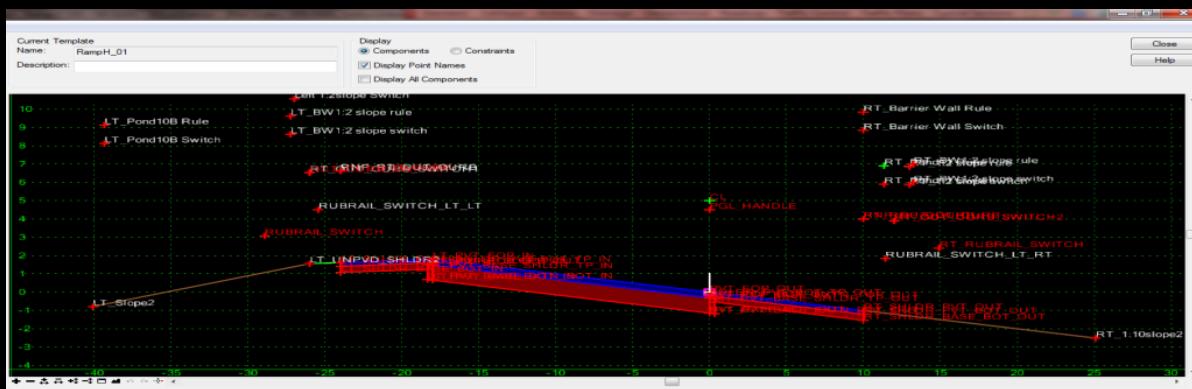
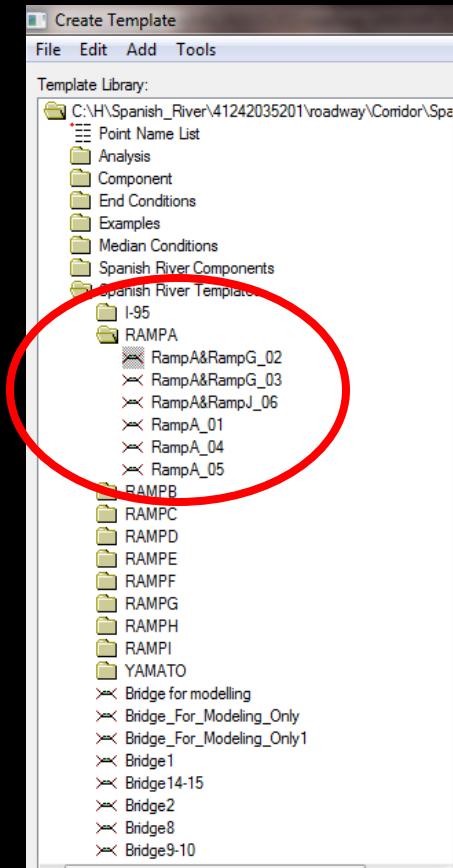
INTRODUCTION

- 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.

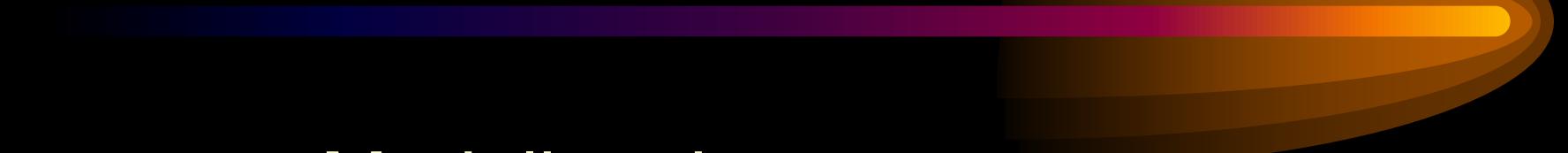


APPROACH

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

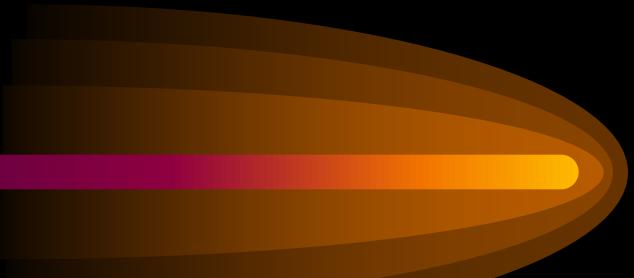


CHALLENGES



- 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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