

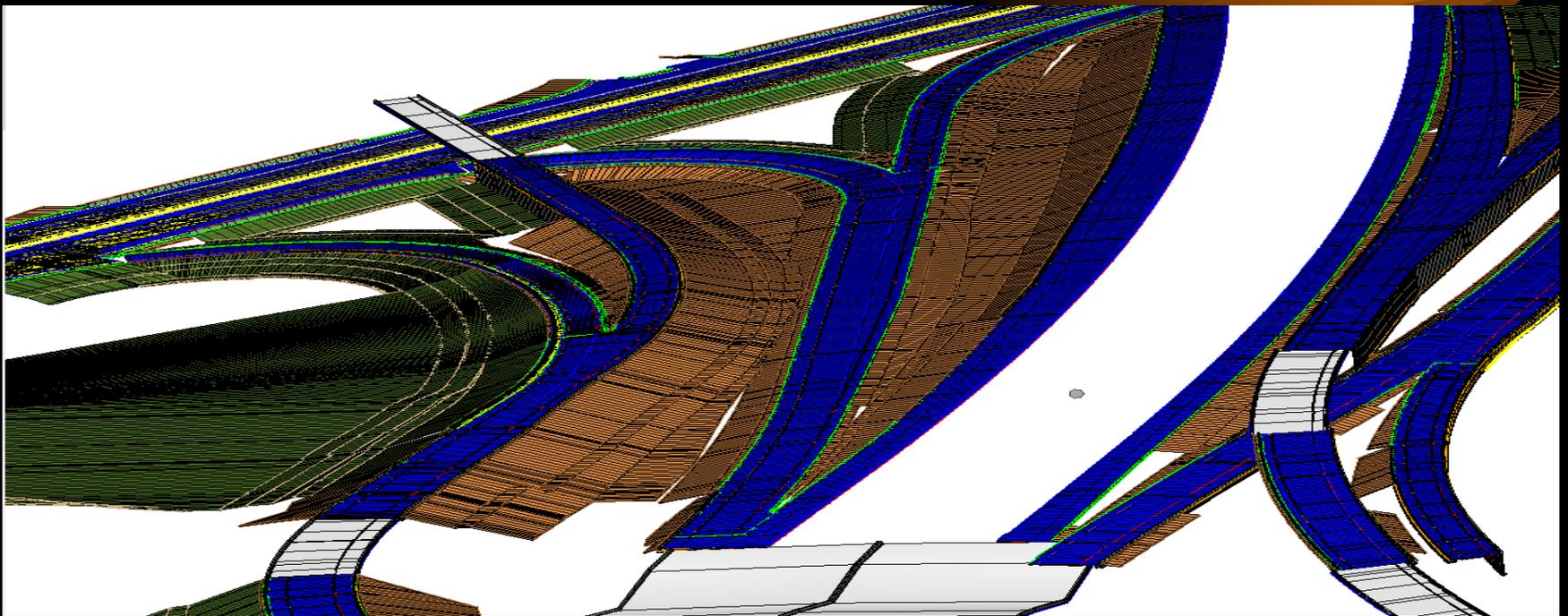
# 3-D MODELING OF INTERCHANGES USING GEOPAK

PRESENTED BY

Tejsingh Rana - Project Engineer

Beiswenger Hoch & Associates, Inc.

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# OUTLINE



- Introduction
- Approach
- Challenges
- Solutions

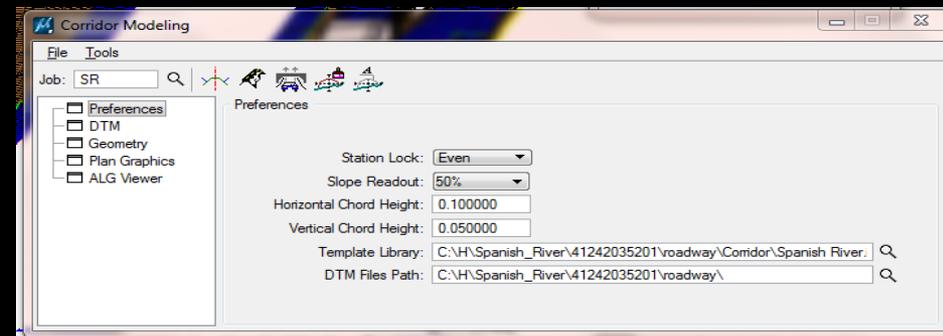
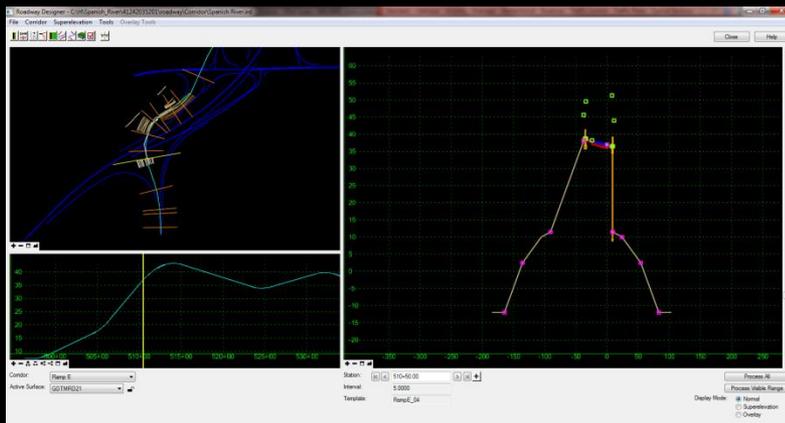
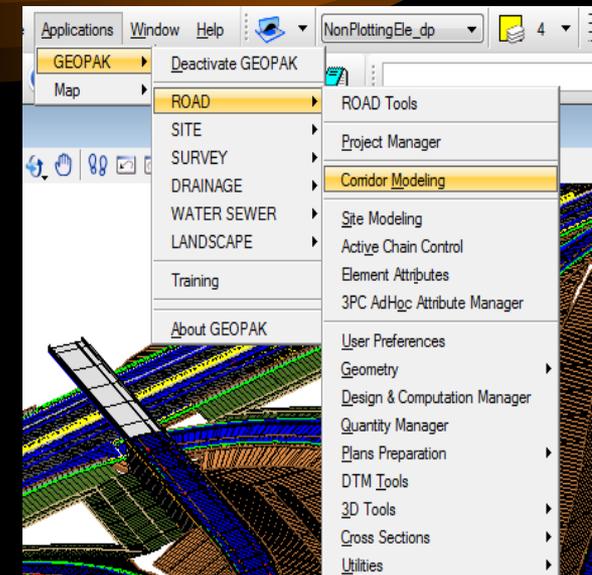
# 3D MODELING

## What are We Talking About?



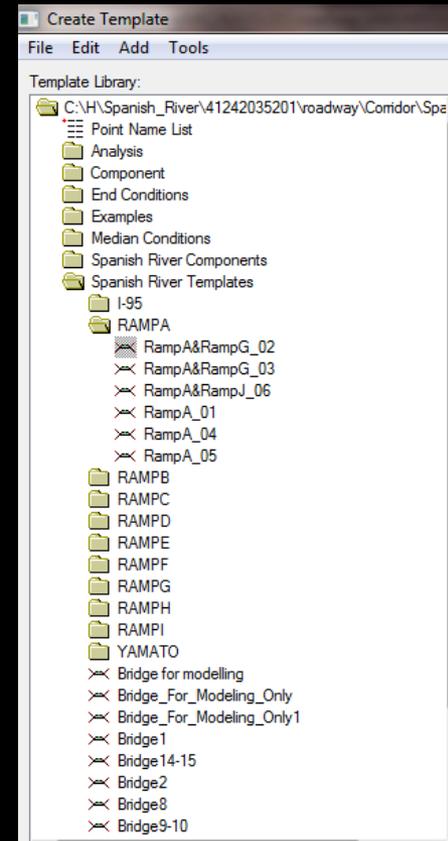
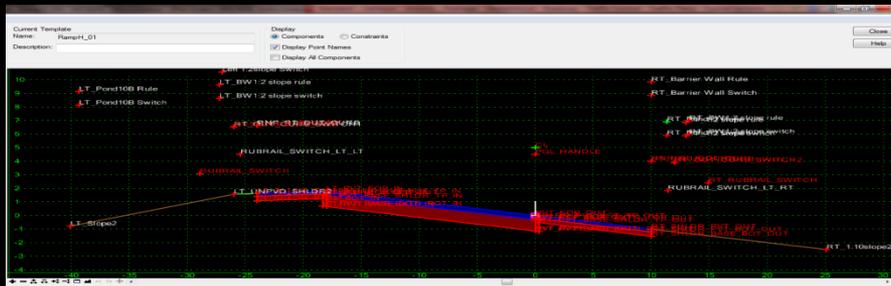
# INTRODUCTION

- 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 and then individual 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.



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

# CHALLENGES



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



# QUESTIONS

