

Project Status Report: CPST-0 06

Weekly Mtg: 03/09/2024 at 9 am, EB 305

Team Members: Andrew Olsen, Becca Apgar, Caroline Preece

Project Title: Springville Road Crossing

1) Summary of technical/non-technical challenges encountered

- We already modeled a bridge, but we needed to check flows with only the cross sections, so we had to spend extra time adding the cross sections to compare results
- HY-8 adding three culverts is a struggle
- Becca was struggling on Monday morning and didn't make it to the meeting with Dr. Hotchkiss
- Didn't know the difference between floodway and floodplain
- HY8 is taking a really long time to add the culverts

2) Team approaches & resolutions to overcome challenges

- Becca and Andrew met to figure out the cross sections and compare results
- Caroline and Andrew recapped meeting with Dr. Hotchkiss for Becca to get her up to speed
- Met as a team to work on HY-8
- Google the difference between floodways and floodplains

3) Status of challenge resolutions & potential project impact

- Need to get the culverts modeled!!
- If we can't model the culverts enough in HY8, it will be hard to develop the culvert design

4) Project status & summary

- Compared the results of the cross sections with and without the bridge cross sections – created a new file with just the bridge cross sections without the bridge
- Checked to make sure all the ineffective flow areas were defined (they were defined by the Pes, we confirmed they matched given criteria)
- Ran HY8 with the culverts

Please enter # of hours spent on project this last week for each team member in the order listed above