

Project Status Report: CPST-0 04

Weekly Mtg: 2/15/2024 and 2/16/2024 in the EB

Team Members: Drake Church, Saylor Wilson, Brian Shawcroft

Project Title: Times and Seasons Platform

1) Summary of technical/non-technical challenges encountered

- The connections of the helical piers to the beams were not known.
- Exact helical pier locations and beam lengths could not be determined without additional site information which was lost by the surveyor.
- Orientation of the platform beams was still undetermined.

2) Team approaches & resolutions to overcome challenges

- We followed up with our project mentor about corrected pier calculations and pier locations were discussed considering beam lengths and the basement viewing area.
- Helical Pier connections were also discussed.
- The needed site information in the form of an archeological survey performed by IDigNavou was presented in a meeting with the architect.
- Different beam orientations were considered with our mentor to accommodate existing grade level, the viewing area excavation, and lateral support of the helical piers.

3) Status of challenge resolutions & potential project impact

- Helical pier design was performed with the correct helical pier locations and beam lengths. A spreadsheet was created to allow for very fast design in case of future changes
- Beam orientation discussions narrowed several ideas down to a couple of working ideas that differ with beam material and still ensure the retention of historic appearance.

4) Project status & summary

- We are continuing to design beams of differing materials and the pier to beam connections.
- The helical pier design is basically completed.

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