

Project Status Report: CEE-2018CPST-013**Report Date: Oct 15, 2018****Team****Craig Staples, Alec Escamilla, Paul Andersen****Members:****Project Title:****Springville Performance Evaluation & Pavement Design for Minor Collectors**

1) Summary of technical/non-technical challenges encountered

This week, we have been working together to overcome two challenges:

1. Scheduling time to perform the required field work. We are working to balance our three different schedules, that of our faculty advisor, and the PhD research assistants that will join us for this testing.
2. Understanding what is currently understood about pavement and its causes of failure. We are also seeking to understand the various tests that we may need to perform for this project.

2) Team approaches & resolutions to overcome challenges

Our approaches to the individual problems are summarized below:

1. We have used a program to find the times in our schedules when we are all available to meet. We will include the professor and PhD students to find a time that is suitable for everyone involved.
2. We are reading through several theses, provided by our faculty advisor, to better understand pavement and pavement design.
3. We will create a flowchart of our proposed work that we can go over with our faculty advisor to ensure that we have thought of all necessary tests for the project.

3) Status of challenge resolutions & potential project impact

1. We have determined that we can use a program for a gantt chart that is used by the construction management students at BYU.
2. This week we will be reading the following thesis:
 - a. Full-Scale Pavement Testing of Aggregate Base Material Stabilized with Triaxial Geogrid
 - b. Evaluation of Cement Stabilization of a Road Base Material in Conjunction with Full-Depth Reclamation in Huaquillas, Ecuador
 - c. ASSESSMENT OF THE TUBE SUCTION TEST FOR IDENTIFYING NON-FROST-SUSCEPTIBLE SOILS STABILIZED WITH CEMENT
 - d. DETERIORATION OF ASPHALT PAVEMENT AT LONG-TERM PAVEMENT PERFORMANCE PROGRAM SITE 49-1001

4) Project status & summary

We are moving forward on the project according to schedule.

Our understanding of pavement performance continues to improve which will allow us to more effectively evaluate the minor collectors involved in this project.