

Project Status Report: CEE-2018CPST-013

Report Date: Apr 1, 2019

Team Members: Craig Staples, Alec Escamilla, Paul Andersen

Project Title: Springville Performance Evaluation & Pavement Design for Minor Collectors

1) Summary of technical/non-technical challenges encountered

This past week, we were finally able to perform the field work necessary for our analysis. Since this has been the bottleneck for our project, being able to overcome this obstacle will allow us to finish our project on time. We hope to be able to complete the sieve analysis for the five samples in time. However, we are focusing on performing flow and stability testing on the asphalt cores, as well as gradations for the base, subbase and subgrade materials.

2) Team approaches & resolutions to overcome challenges

Our approach to these problems was the following:

1. The biggest challenge we will be encountering this upcoming week will be to perform all of the necessary laboratory work for our samples. Once the gradations and flow and stability testing are completed, we can then give our recommendations to the City of Springville. However, everything is determined by our availability.

3) Status of challenge resolutions & potential project impact

Each of our team members has committed to work on the project multiple hours each day to ensure that we can complete the project on time.

4) Project status & summary

With little time remaining before our presentation our team still has much work to do. The report, poster, and presentation remain to be completed. We are looking forward to this portion of the project so that we can report on the value our team's project will add to Springville City. With the completion of this week's field work we will move through the bottlenecking portion of the project. Our team will then be free to move as quickly as we are able to perform lab tests, synthesize our final design, compile our report, and prepare for our final presentation.

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

Craig Staples: 21

Alec Escamilla: 17.5

Paul Andersen: 15.88