

**Project Status Report: CEEEn-2018CPST-013**

**Report Date: Nov 26, 2018**

**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

The major challenge at this point in time is identical to last week. We are still having difficulty obtaining samples for laboratory testing. We were encountering logistical difficulties in planning with the City of Springville. One major logistical issue was that the potential test site locations are subject to change by the city.

### 2) Team approaches & resolutions to overcome challenges

Our capstone team communicates with Dr. Guthrie's research assistants to determine how, when, and where we can be of assistance at this time. We are continuing to prepare ourselves for the laboratory work so that once the samples are obtained we can quickly move through the laboratory work. The site locations were finalized by the City of Springville and our team plans to map out the locations and conduct relevant field surveying (ie traffic counts, settlement measurements, etc) as well as create a mapped visual of the affected sites for our final presentation. However, this is dependent upon the City of Springville.

### 3) Status of challenge resolutions & potential project impact

The first stage of field work has now been completed by Dr. Guthrie's graduate research assistants and a preliminary statistical analysis is set to be run. This challenge is on our critical path to completion and we will be able to continue progress once it is complete.

### 4) Project status & summary

To summarize: The mindmap for our project is complete and we have received confirmation from our faculty advisor (and client) that our proposed plan will produce the desired project outcome and will lead to remedatory action for existing roads as well as prescriptive specifications for new minor collectors to be installed in Springville City. At this time our progress has been slowed due to coordination delay with the City of Springville and our team, but is now waiting for analyses to be run on the field tests that have been conducted. Our capstone team will maintain contact with Dr. Guthrie and his graduate research assistants so that the project can progress as soon as possible.