

Project Status Report: CEE-2018CPST-013

Report Date: Feb 4, 2019

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

1) Summary of technical/non-technical challenges encountered

This week, we were able to meet with Dr. Guthrie to discuss the outcome of our traffic counts. Now that we have data regarding the various roads, we plan on determining the loads associated with each minor collector. The greatest challenge of the week was determining what data was necessary, and if we were lacking anything. After our meeting, it was determined that we still needed to get at least one 24 hour period of data for analysis.

2) Team approaches & resolutions to overcome challenges

Our approach to this problem was the following:

1. Assign one member of the team to review traffic data for the busiest minor collector.
2. With the data, interpolate as necessary for other streets to maintain a reliable, yet conservative value of ESALs for design purposes.
3. Create a spreadsheet that calculates average loads applied to each minor collector.

3) Status of challenge resolutions & potential project impact

With the data and help we have received this week, our biggest challenge is to remain on task and on time for our project. Our biggest goal is to get our data in as quickly as possible so that Dr. Guthrie can assist us further.

4) Project status & summary

With the data we have collected, our project is progressing. However, the biggest bottleneck is our personal time commitments. With midterms approaching we are going to need to be better at managing our time to be the most effective we can be.