

Project Status Report: CEEEn-2018CPST-006

Report Date: October 22nd, 2018

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Project Title: Woodland Hills

1) Summary of technical/non-technical challenges encountered

- Obtaining equipment necessary to collect traffic data of streets in question.
- Finding areas to attach cameras for data collection.
- Scheduling times when 2 or more members could set up and take down cameras.
- Finding a vehicle for travel use.
- Creating a method that included all of the PASER requirement to rank the conditions of the streets in question.

2) Team approaches & resolutions to overcome challenges

- The transportation lab would have cameras, poles, straps, and a power drill available to help with traffic data collection.
- To attach cameras, so they could record video at certain locations, poles from different signs were used.
- After collaboration, time would be found for 2 team members to set up the cameras on Wednesday, and for the other 2 members to collect them on Friday.
- Our own vehicles would be used, with reimbursement included for the drivers from the Capstone \$200 fund.
- One member would create a spreadsheet with all of the PASER requirements to help rank the conditions of the streets in question.

3) Status of challenge resolutions & potential project impact

- Cameras were installed for data collection. The data collection will lead to proper classification of the streets.
- Cameras were attached to different traffic signs for data to be properly be collected. This will lead to security of the cameras and accuracy data.
- Two members were able to set up the cameras on Wednesday and the other two took them down and returned the equipment on Friday. This resolution solidified proper use of the equipment and an equal spread of time usage between team members.
- We used our own vehicles to travel to Woodland Hills, which impacted our capstone fund, as it was foreseen in the Statement of Work budget.
- One member created a spreadsheet with all of the PASER requirements, leading to correct condition rankings of the streets in question.

4) Project status & summary

- We are currently on schedule to complete "Part 1" from our Statement of Work timeline. The team was divided in two groups for data collection and road condition assessment activities. Cameras were installed in five selected locations on Woodland Hills major streets. Four Cameras were located on Woodland Hills Drive, at the West Oak Drive, West Lake View Way, and West Spring Drive intersections, and another one in a mid-block location near the entrance. The last camera was installed at a mid-block location in Willow Reed Road. Three streets were selected for condition assessment, West Spring Drive and West Lake View Way and West Oak Drive. A preliminary assessment was completed on Friday October 19th 2018. The cameras have been collected and the data are ready for acquisition.