

Project Status Report: CEE-2018CPST-015

Report Date: 10-15-2018

Team Members: Nate Lant, Matt Strong, Cody Irons, Byron Yates

Project Title: UTA WAV

1) Summary of technical/non-technical challenges encountered

- Tasked with gathering data to inform site selection for pilot program. The two principal questions are where are the wheel chair users, and where are they going?
- It was difficult to identify the most valuable data. We were given location of bus stops picking up WC users. But these users use the bus and may not need WAV transit. The paratransit data was also helpful as it gave us an idea where vehicle users lived.
- Many variables exist to identify site selections (i.e. replacing transit vs supporting transit, hills vs flat terrain, paratransit qualifications, etc.)

2) Team approaches & resolutions to overcome challenges

- Met as a group to divide workload.
- Discussed strategy for interpreting data. The team highlighted potential ways to narrow down the search for data by trying to answer the two questions: where are they and where are they going?
- Plans to use different variables in different circumstances for respective sites suggested. (i.e. each site will favor variables and have different pros and cons)

3) Status of challenge resolutions & potential project impact

- Created GIS maps and imported shape files with data
- Generated tables to easily import data into ArcGIS. Tables included locations of medical clinics, day programs, and independent living centers.

4) Project status & summary

- Team preparing for Monday phone call to update the UTA team in preparing for Oct. 23rd presentation with stakeholders.
- We have most of the data compiled into tables and uploaded into ArcGIS Pro.
- We want more data on where WC users live. We will consult the UTA Paratransit mobility Center.
- Almost ready to identify major sites.