

CEEn-2018CPST-015

UTA ON-DEMAND WHEELCHAIR ACCESSIBLE VEHICLE

Enginuity

Nate Lant

Matt Strong

Cody Irons

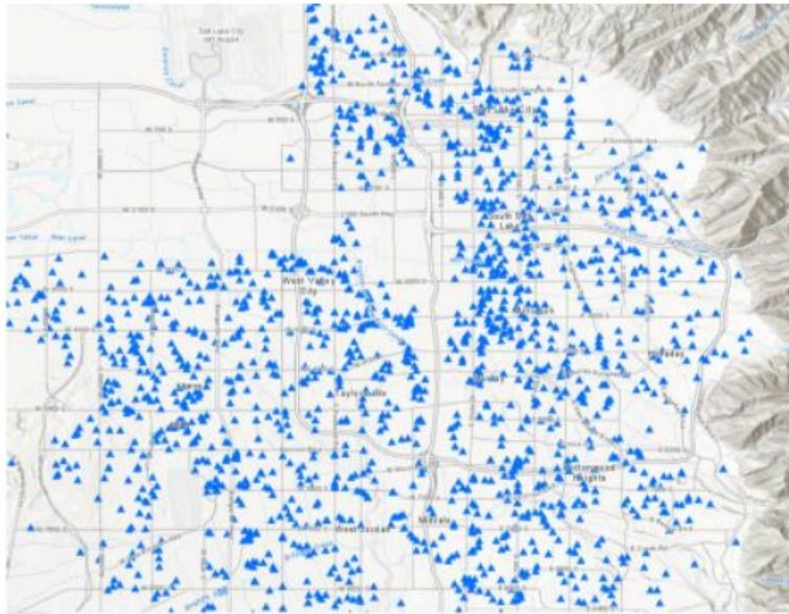
Byron Yates

Introduction

- **To provide equal opportunity for all users in Salt Lake County, UTA will pilot the introduction of wheelchair accessible vehicles (WAVs) into an on-demand ride-hailing network.**
- **The goal of this pilot is to test a new solution to enhance wheelchair accessible transportation and to improve transit for people with disabilities.**
- **The WAV on-demand mobility pilot will run from March 1st to August 31st 2019.**
- **At the conclusion of the pilot program, UTA will evaluate the results and determine the future of WAVs in Salt Lake County and throughout other areas of Utah.**

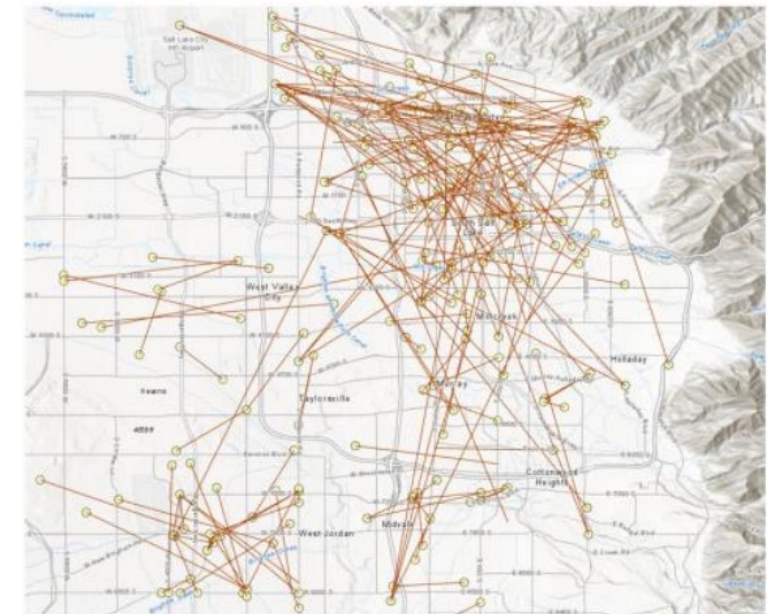
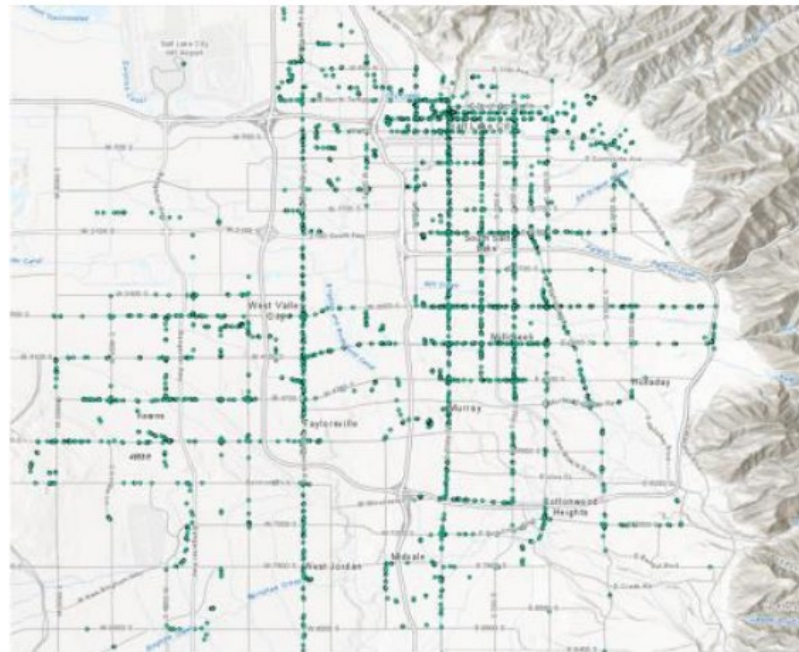
Design, Analysis and Results

Site Selection



Addresses of Qualified Paratransit Applicants

Wheelchair Ramp Activations



Paratransit Pickup-Dropoff Data

Design, Analysis and Results

Cost Analysis

Budget Analysis Equation

$$MC = \left[\frac{VMT * \$gas * \#days * \#vans}{MPG} \right] + (\$insurance * \#vans) + \left[\frac{\$maintenance}{mile} * VMT * \#days * \#vans \right] +$$
$$(\text{wage} * \#hours / day * \#days * \#vans) + (\$depreciation * \#vans)$$

We took derivative with respect to each variable in the equation to determine the most influential variable.

Design, Analysis and Results

Request for Proposal Submittal

- As a team we were able to write the RFP that was used by UTA and sent out to Uber and Lyft, the potential partners on the project. The project was eventually awarded to Lyft, who will now be helping UTA by allowing them to use their rideshare platform, along with independently contracted drivers, to make the pilot happen.



Response to Request for Proposal
for
Wheelchair Accessible Vehicle On-Demand Mobility Services



December 27, 2018

Re: Request for Proposal for Wheelchair Accessible Vehicle On-Demand Mobility Services

This letter serves as an informal Request for Proposal (RFP) from qualified Transportation Network Companies (TNCs) to assist in the operation of a six-month pilot program. The purpose of this pilot is to understand the supply and demand for wheelchair accessible vehicles on an on-demand ride-hailing platform operating in Salt Lake County.

This RFP contains information in regards to the background of the project, a description of the project, and the nature of the relationship between UTA and the TNC partner.

This procurement will seek the overall best value to UTA based upon the selection criteria: **Qualifications, Experience, Market Share, and Price.** UTA is seeking proposals for a public-private partnership for a service agreement. UTA may allocate marketing funds to the TNC partner to help promote the pilot. UTA welcomes collaboration with the TNC partner to identify opportunities for a successful and effective pilot.

All responses should identify the name of the interested party and provide a contact name, email address, telephone number, and mailing address. Responses should be no more than six (6) pages long including cover sheet. Please submit responses via email to Teresa Pickett, Sr. Procurement and Contract Specialist, at tpickett@rideuta.com no later than **10:00 a.m. MST on Monday, January 14, 2019.**

Sincerely,

Teresa Pickett
Sr. Procurement and Contract Specialist

The End