First/Last Mile Strategies: Improving Community Access to Regional Opportunities

Jennifer McGrath, Utah Transit Authority
jmcgrath@rideuta.com
801.237.1998
Project Purpose
Goals

• Develop a comprehensive first/last mile strategy to improve access to transit stations.

• Double UTA’s ridership by 2020.
Data Collection

Station Characteristics
- Station area audits
- Station area connectivity
- Vehicle and bicycle parking supply
- Future demographics
- Future TOD plans

Passenger Surveys
- Open UTA Survey
- On-Board Origin-Destination Survey
First/Last Mile Connections

Making the Case: Bicycles + Transit = Success

Within Walking Distance:
- 163,000 Jobs
- 61,000 people

Within Biking Distance:
- 573,000 Jobs
- 597,000 people

Light Rail 15 Minute Walk Buffer (0.5 miles)

Light Rail 15 Minute Bike Buffer (3 miles)
Station Typologies

• Typologies represent the range of stations within UTA’s service area

• Typology criteria:
  • Walk access
  • Active transportation mode split
  • Densities
  • Availability of parking supply
  • Demographic information
## Project Process - Typologies

<table>
<thead>
<tr>
<th>TYPOLOGY</th>
<th>CHARACTERISTICS</th>
<th>STATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBAN</td>
<td>Walk Access: High</td>
<td>Planetarium</td>
</tr>
<tr>
<td></td>
<td>Active Mode Split: High</td>
<td>Arena</td>
</tr>
<tr>
<td></td>
<td>Non-Auto Mode Split: High</td>
<td>Temple Square</td>
</tr>
<tr>
<td></td>
<td>Parking Spaces: None</td>
<td>City Center</td>
</tr>
<tr>
<td></td>
<td>Population: High</td>
<td>Gallivan Plaza</td>
</tr>
<tr>
<td></td>
<td>Employment: High</td>
<td>Courthouse</td>
</tr>
<tr>
<td></td>
<td></td>
<td>900 South</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Library</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trolley</td>
</tr>
<tr>
<td></td>
<td></td>
<td>900 East</td>
</tr>
<tr>
<td>AUTO-DEPENDENT</td>
<td>Walk Access: Low-Medium</td>
<td>Pleasant View</td>
</tr>
<tr>
<td></td>
<td>Active Mode Split: Low</td>
<td>Roy</td>
</tr>
<tr>
<td></td>
<td>Non-Auto Mode Split: Low</td>
<td>Clearfield</td>
</tr>
<tr>
<td></td>
<td>Parking Spaces: High (&gt;200)</td>
<td>Layton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Farmington</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Woods Cross</td>
</tr>
<tr>
<td></td>
<td></td>
<td>South Jordan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Parkway</td>
</tr>
<tr>
<td></td>
<td></td>
<td>American Fork</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2700 W Sugar</td>
</tr>
<tr>
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<td>Factory Road</td>
</tr>
<tr>
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<td>5600 W Old</td>
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<td></td>
<td></td>
<td>Bingham Hwy</td>
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<tr>
<td></td>
<td></td>
<td>South Jordan</td>
</tr>
<tr>
<td></td>
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<td>Parkway</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daybreak Parkway</td>
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</table>
Strategies 

Toolbox
First/Last Mile Program

Phase I:
• Criteria:
  • Effective in Increasing Ridership
  • Improve Safety
  • Used Successfully By Peers
  • Costliness
  • Stakeholder Support
  • Ease of Implementation
• Identified over 900 projects around rail stations
Recommended Strategies

- Wayfinding and information
- Bicycle network improvements
- Pedestrian network improvements
- Access connections
- Crossing treatments
- Bike share stations
- Car share stations
- Rail and bus stop enhancements
- Shuttles (including current UTA shuttle programs, Van pool, Vanpool Shuttles, Ridevan Plus)
Phase II

- Take High-Level Recommendations and Get Them Closer to Implementation Readiness
  - Web-based Mapping Tool
- Work with Partners to Prioritize
- Collaboratively, Seek Funding Opportunities
TIGER 2016

2016 Transportation Investment Generating Economic Recovery (TIGER) Proposed Project

Project Goal
Reduce and remove barriers to transit access and transportation corridors in order to connect communities, employment centers, educational institutions, public services, and other community resources. This project will improve safety for pedestrians and cyclists, with an emphasis on developing mobility for transportation disadvantaged communities and the creation of ladders of opportunity.
TIGER 2016 Goals

• Safety
• Ladders of Opportunity
  • Ethnic Minorities
  • Disabled Populations
  • Low Income
• Access Improvements via Transit
  • Education
  • Jobs
• Human Services
Regional Impact

- 2 MPOs
- 6 Counties
- 26 Cities
- UDOT
- UTA

<table>
<thead>
<tr>
<th></th>
<th>Total Projects</th>
<th>Estimated Costs</th>
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<tbody>
<tr>
<td>Weber County</td>
<td>28</td>
<td>$5,047,900</td>
</tr>
<tr>
<td>Davis County</td>
<td>117</td>
<td>$3,617,489</td>
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<tr>
<td>Salt Lake County</td>
<td>162</td>
<td>$28,422,234</td>
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<tr>
<td>Utah County</td>
<td>30</td>
<td>$47,891,492</td>
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<tr>
<td>Summit County</td>
<td>2</td>
<td>$2,100,000</td>
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<tr>
<td>Tooele County</td>
<td>2</td>
<td>$515,000</td>
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<tr>
<td>Jordan River Commission</td>
<td>2</td>
<td>$213,227</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>343</strong></td>
<td><strong>$87,807,342</strong></td>
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</table>
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National TIGER 2016 Overview

- 585 Applications
- Project totals of over $9.3 Billion
- Available Funding: $500 Million
- 2/3 of Awarded Applications - Previous TIGER Grant
- UTA Award – 4% of Total Awarded Funds
- 2nd Highest National Award Amount
Thank you!!!

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