

BIG MOVE #8:

Leverage New Technology to Improve Mobility and Sustainability

Overview

As technology changes transportation, RTC will find the most promising options to help Southern Nevada. On Board projects will make it easier to plan, book and pay for trips. Projects include real-time bus arrival information, more options for using smart phones to pay transit fares, and plan trips with multiple options including transit, rideshare, bikeshare, and new services. On Board will also develop clean fuel technologies, such as a public electric vehicle charging network, and transition RTC's buses to an all-electric transit fleet.

You told us...



49% of survey respondents want RTC to incorporate new transportation technologies

50% of survey respondents say that new technologies would encourage them to take a new mode of travel

Source: RTC OnBoard Vision Survey, 2018

New technologies will help manage roadway congestion and traffic delays



All electric buses are quieter, cleaner and less expensive to operate





Projects and Programs

Leveraging new technology to improve mobility and sustainability will require monitoring technology developments, and carefully determining how to implement them across the region:

Provide Real-Time Arrival Information at Major Transit Stops

Improve Payment Options and Information Sharing

Implement "Mobility as a Service" Program

Develop Public Solar Electric Vehicle Charging Network

Shift to Electric Transit Vehicles

Expand Solar Charging for RTC's Transit Vehicles and Facilities

Expand Travel Demand Management (TDM) Programs

Evolve the Region's Advanced Traffic Management System

Implement Autonomous Vehicles as Technology Permits (10+ years)

Monitor and Incorporate Emerging Transportation Technologies and Update Road Design as Needed



Key Benefits

All mobility strategies generate benefits for individual travelers, the regional economy and the environment. The graphic below provides a relative scale of the benefits.



Effectiveness in Addressing Regional Priorities

Improving Regional Connections to Major Destinations will directly help achieve the following priorities identified through extensive public outreach with nearly 80,000 people and multiple surveys that had almost 25,000 combined responses:

REGIONAL MOBILITY PRIORITIES

1	Improved Road & Transit Safety	●
2	Fewer Traffic Jams	●
3	High Capacity Transit (including light rail)	●
4	Better Connectivity	○
5	Well-Maintained Roads	○
6	Frequent Bus Service	◐
7	More Transportation Choices	●
8	Expanded Service for Seniors, Veterans, & People with Disabilities	●
9	Improved Job & Housing Access	●
10	Better Walking & Biking Conditions	○
11	New Modal Technologies & Investments	●
12	Expanded Transit Service Area	○
13	New Information Technologies	●
14	Better Transit Stops & Stations	◐
15	Improved Transit Security	●

KEY

- Strongest
- ◐ Strong
- Less Strong