

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 trip planners that include information about a variety of transportation services, including rideshare. 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, other agencies' implementation, and carefully determining how to integrate them into RTC's current operations or how to implement them across the region:

Provide real-time information at high volume stops

Improve Payment Options & Information Sharing

Develop & Implement "Mobility as a Service" program and platform

Develop Public Solar Charging Network

Shift to Clean Transit Vehicles

Develop Solar Charging for RTC Transit Vehicles

Expand Travel Demand Management (TDM) Programs

Implement "FAST OS" (Freeway and Arterial System of Transportation) Technology Roadmap

Shift to Autonomous Transit Vehicles as Technology Permits (10+ years)

Track Emerging Transportation Technologies and Update Road Designs 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

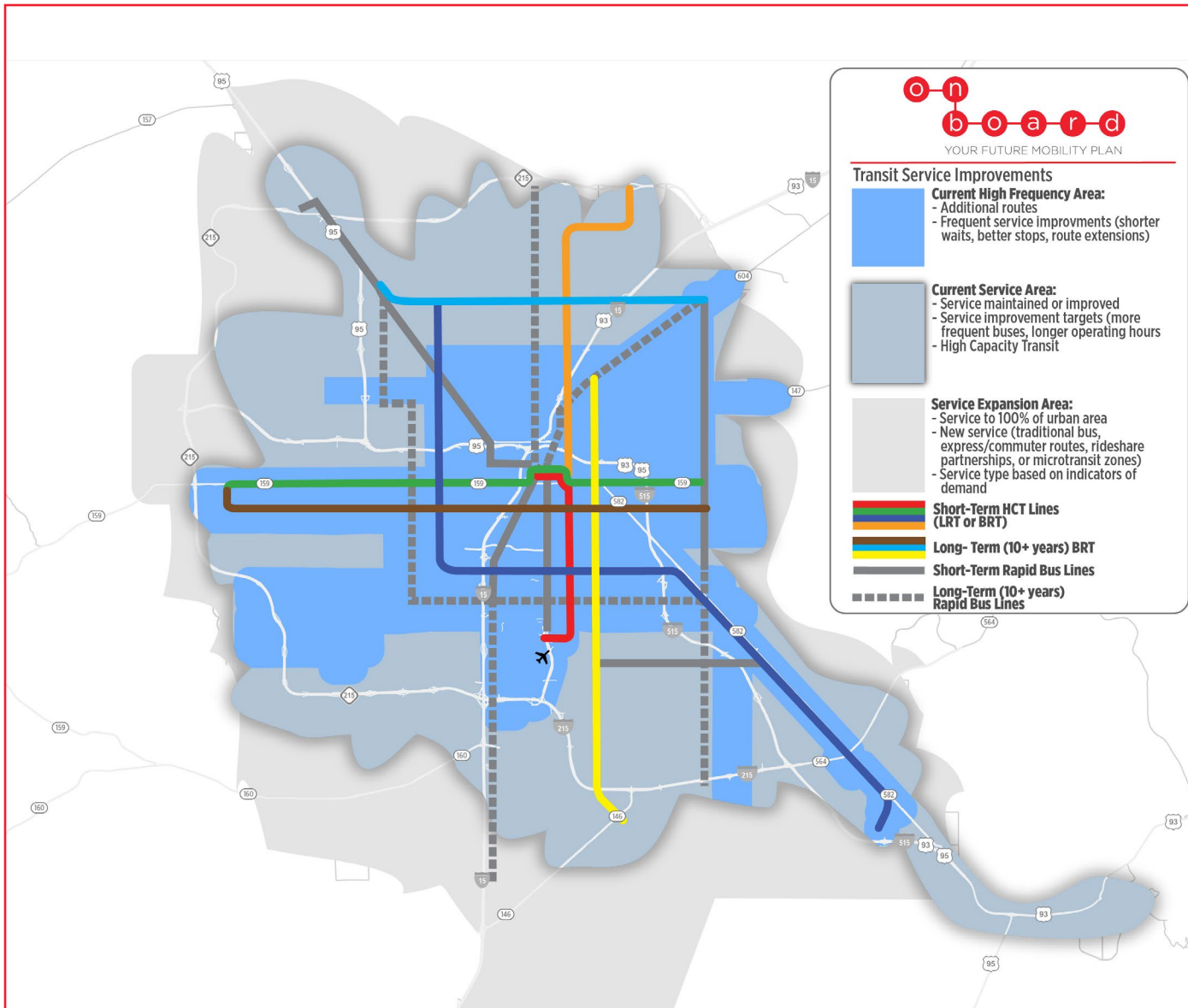
1	Improved Road & Transit Safety	●
2	Fewer Traffic Jams	●
3	High Capacity Transit (including light rail)	●
4	Better Connectivity	○
5	Well-Maintained Roads	○
6	Frequent Bus Service	●
7	More Transportation Choices	●
8	Expanded Service for Seniors, Veterans, & People with Disabilities	●
9	Improved Job & 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

On Board Service Zones Map (Preliminary)

(Strategy Two: Expand Transit Service to Maximize Access to Jobs and Housing)

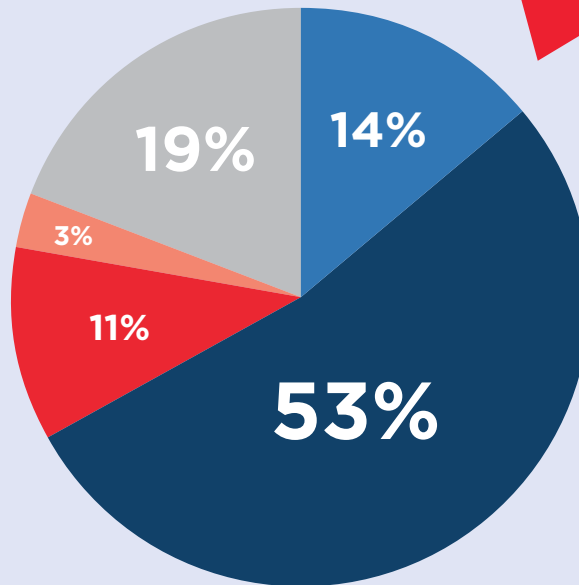


BIG MOVES: "Providing Desired Outcomes"

Overall, 53 percent of 12,000 responses in RTC's 2018 On Board Survey said that On Board should "develop new alternatives" for improving transportation, while only 11 percent want to "maintain current conditions."

Key

- Want New Alternatives
- Prefer New Alternatives
- Neutral
- Prefer Current Conditions
- Maintain Current Conditions



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