January 31, 2019

Item #1

CITIZENS PARTICIPATION
Item #2

APPROVAL OF MINUTES

Item #3

TRAC GOALS, FRAMEWORK & AGENDA REVIEW
COMMITTEE GOALS

• Learn about Southern Nevada’s mobility challenges, new developments and opportunities.
• Learn about smart communities, emerging technologies and how these efforts can impact and improve mobility, accessibility and safety in Southern Nevada.
• Obtain input and feedback and make recommendations on how to best address and prioritize mobility solutions.

MEETING FRAMEWORK

• February to June 2019 – Legislative session
• Meeting 9 – June 2019 – Legislative session recap; TRAC next steps
AGENDA REVIEW

- Major Project Updates
- Transit Industry Update
- Transit Financial Overview
- 2019 Legislative Session
- Upcoming Events

Item #4

MAJOR PROJECT UPDATES
Next Generation Travel

Steve Hill, CEO and President of the LVCVA
@SHillforVegas

The Similarities & Differences

Virgin hyperloop one

THE BORING COMPANY
The Boring Company

Tunneling into the Future
The Boring Company

Hyperloop

A Brief History
### Eliminating Time & Distance Barriers

<table>
<thead>
<tr>
<th>Mode</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virgin Hyperloop One</td>
<td>30 min</td>
</tr>
<tr>
<td>Airline (with check-in)</td>
<td>2.5+ hours</td>
</tr>
<tr>
<td>High-Speed Rail</td>
<td>2+ hours</td>
</tr>
<tr>
<td>Road</td>
<td>4+ hours</td>
</tr>
</tbody>
</table>

500 km | 310 miles
Efficient

Higher Efficiency/Mile

- 100% Electric
- Zero Direct Emissions
- Renewable Energy Provider
- Fits within Existing Right of Ways
- Above or Below Ground
Status

Where Virgin Hyperloop One is Now

What’s Needed
Las Vegas Convention Center District

Project Neon Update
January 31, 2019
Work Complete

93% COMPLETE as of 1.25.19

$603M TOTAL CONTRACT AMOUNT

$560M SPENT TO DATE

SCHEDULE


Bridges

27 complete

2 under construction

Active Traffic Management Signs

37 Installed  42 Total

Work Hours

1,600,000+
MLK Blvd at US 95

HOV Flyover at I-15
Alta/Bonneville at I-15

Charleston at I-15
NB Slip Ramp to Alta/Bonneville

Industrial Rd/Grand Central Pkwy
Neon Gateway

Scheduled for Completion 2 Months Early!!
Agency Overview

- **82 Bus Routes**
  - 14 High-Frequency Routes
- **423 Buses**
- **10 Rail Vehicles**
- **243 Vanpools**
- **117 Paratransit Vehicles**
- **2,500 Bus Stops**
  - 17 Park & Rides
  - 45 MetroRapid Stations
- **9 Rail Stations, 32-miles of Track**
- **544 Square Mile Service Area**
  - 1,300,000 Population

Ridership Overview

- **June 2018 – Network Redesign**
    - System-wide: up 5%
    - MetroExpress: up 24%
    - MetroRapid: up 17%
    - MetroRideShare: up 11%
    - MetroRail: up 6%
    - Saturday: up 11%
    - Sunday: up 22%

- ~30 million annual trips in FY18
Financial Overview
The Path Forward

- Community Engagement
- Corridor Selection

2016 → 2018

- Community Engagement
- Engineering and Environmental Review
- Vehicle Review
- Vehicle Selection (Early 2020)

2019 → 2020+

- Vote (Nov. 2020)
Questions?

Jacksonville, Florida
Las Vegas Transportation Resource Advisory Committee

Nathaniel P. Ford Sr.
CEO, Jacksonville Transportation Authority
Jacksonville Transportation Authority

- Founded in 1955 as the Jacksonville Expressway Authority
  - Mission: Build expressway system in/around Jacksonville
- Independent agency of the State of Florida
- In 1971, bought assets of failing private bus company
- Name changed to Jacksonville Transportation Authority

Jacksonville v. Las Vegas
Quick Facts – Jacksonville, FL

Population:
- City of Jacksonville – 938,000
- Metro area – 1,626,000
- 12th most populous city in nation

Size:
- 840 square miles
- Largest city in contiguous U.S.

Quick Facts – Las Vegas

Population:
- City of Las Vegas – 641,000
- Metro area – 2,211,000
- 28th most populous city in nation

Density:
- Jacksonville – 1,100/square mile
- Las Vegas – 4,300/square mile

Size:
- 135 square miles
- Largest city in Mojave Desert
### Demographics – Jacksonville

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>61.0%</td>
</tr>
<tr>
<td>Black</td>
<td>30.5%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>9.7%</td>
</tr>
<tr>
<td>Asian</td>
<td>5.0%</td>
</tr>
</tbody>
</table>

### Demographics – Las Vegas

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>62.7%</td>
</tr>
<tr>
<td>Black</td>
<td>12.2%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>32.7%</td>
</tr>
<tr>
<td>Asian</td>
<td>6.7%</td>
</tr>
</tbody>
</table>
JTA Transit Services – Ridership FY 2018

Total Ridership – 12 Million
Dames Point Bridge

Jacksonville Regional Transportation Center
Bus Rapid Transit – First Coast Flyer

First Coast Flyer Red Line
Alternative Transportation Options

- **Taxi Ride Program**
  - JTA subsidizes fare
    - Lower cost than running full fixed route
    - Operation restricted to designated zone

- **ReadiRide**
  - Newest JTA Service – launched December 3rd
    - Curb-to-curb, on-call service
    - Operates in five designated zones
    - Monday-Saturday service
    - Fare - $2.00/trip in zone
    - Discounted fare - $.50 from in-zone, JTA bus stop
Skyway

- Skyway – 30 years old
- Skyway Ridership: 1.2 Million (average/year)
- Parts unavailable

Ultimate Urban Circulator (U²C)
AV Test Track
Item #5 - Discussion

TRANSIT INDUSTRY UPDATE
TRANSIT FINANCIAL OVERVIEW

TRANSIT REVENUE FOR OPERATIONS

- Sales Tax: 65%
- Fare Revenue: 32%
- Transit Advertising: 2%
- Operating Grants: 1%
- Other: <1%

Total: $236.5 Millions
TRANSIT EXPENSES FY18

- Wages & Benefits: 7%
- Other: 12%
- Security: 4%
- Fuel: 4%
- Transfers: 5%
- Paratransit Contract: 20%
- Fixed Route Contract: 48%
- Total: $229.2

OPERATING EXPENSES

- Fixed Route
- Paratransit
- Total

DISCLAIMER: TRANSIT BUDGET ONLY
COST INCREASE

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Route</td>
<td>$128</td>
<td>$159</td>
</tr>
<tr>
<td>Paratransit</td>
<td>$33</td>
<td>$51</td>
</tr>
</tbody>
</table>

$128 is a 24% increase from $100. $33 is a 55% increase from $21.

DISCLAIMER: TRANSIT BUDGET ONLY

SERVICE ABOVE FTA REGULATIONS

- Conditional Eligibility NOT Enforced
- Same Day Determination
- Door to Door versus Curb to Curb
- 24 Hr. Paratransit Service in all Areas
- Don’t Charge twice Fixed Route Fare on Paratransit
- Increased Wheel Chair Accessibility on all buses
- Senior Transportation
- Veterans’ Medical Transportation Network
- Free Fixed Route Rides for Paratransit Customers
- Reduced Fare for Veterans
- Reduced Fare for Students
- Paratransit Bus Donations to Non-Profits
- Fixed Route Bus Pass Donations
- Reduced Fare for 60 and above

Estimated Annual Cost $6.8 million
**OPERATING REVENUE AND EXPENSE**

DISCLAIMER: TRANSIT BUDGET ONLY

**FUTURE ACTIONS**

- Right sizing expenses for decreased demand, cost containment
- Analyzing contracts for possible savings
- FY2020 Budget, no new fixed route service hours
FINANCIAL MANAGEMENT

- Target six (6) months of operating expenses in cash reserve:
  - Compete for FTA grants
  - Government Finance Officers Association best practices
- Cost containment
- Explore revenue alternatives

DISCLAIMER: TRANSIT BUDGET ONLY

OTHER POSSIBLE SOURCES OF REVENUE FOR PARATRANSIT
EXAMPLES FROM OTHER COMMUNITIES

- Additional sales tax
- Contributions from local governments
- Contributions from the state
- Tax on TNCs
- Increase fares
- Property tax
- New mortgage tax
- Vehicle registration fees
- Private sector contributions (P3s)
2019 LEGISLATIVE SESSION

- Extension of Deadline for Ballot Question Authorized by Senate Bill 149 (2017)/NRS 277A.470
- Electric Vehicle Legislation/Exploration of Modernizing Transportation Funding
- Refreshing Procurement Statute
**MARK YOUR CALENDAR**

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly/Senate Committees on Growth and Infrastructure</td>
<td></td>
<td>February 21, 2019 1:30 p.m.</td>
<td>Nevada State Legislative Building</td>
</tr>
<tr>
<td>Cocktail Reception for Infrastructure Technology Day</td>
<td></td>
<td>February 27, 2019 5 – 7 p.m.</td>
<td>224 S. Carson Street, Carson City, NV</td>
</tr>
<tr>
<td>Infrastructure Technology Day</td>
<td></td>
<td>February 28, 2019 8 a.m. – 5 p.m.</td>
<td>Nevada State Legislative Building</td>
</tr>
</tbody>
</table>

**TRAC**

**Item #8 - Upcoming Events**

**LUNCH & LEARN**

with Adie Tomer of Brookings Mountain West

Thursday, Feb. 7, 2019
12 – 2 p.m.
Regional Traffic Management Center
4615 W. Sunset Road

RSVP to Kelly Backman by Tuesday, Feb. 5 at BackmanK@rtcsnv.com.
Item #9
OPEN DISCUSSION

Item #10
FINAL CITIZENS PARTICIPATION