Logan Airport Ground Transportation Plan

Reduces Congestion, Improves the Customer Experience, and Benefits the Community and the Environment

MAITE Annual Conference
September 26, 2019
Massport’s Ground Transportation Plan benefits the community, the environment & customers

**Increase HOV Use & Reduce Congestion**
- Eliminate >3.0M vehicles through the tunnels/Rt. 1A
- Double Logan Express HOV ridership to 4M

**Customer Benefits**
- Less congestion on terminal roadways and curbs
- Shorter wait times for Uber/Lyft pick-ups during peaks
- Covered TNC pick-up and drop-off areas
- Less congestion to and from Logan

**Community & Environmental Benefits**
- Less gateway congestion
- Lower GHG emissions
- Better quality of life in neighboring communities
Gateways & Logan Airport Existing Conditions
Metro Boston is among the most congested areas in the country and grappling with effects of rapid TNC growth

- Metro Boston was rated the most congested metropolitan area in the United States
- 7 out of 10 TNC rides happen in Boston, Cambridge, Somerville, or Brookline.

There were nearly 100,000 Uber and Lyft rides per day in Boston last year
Logan passengers face increasing congestion and delays on terminal roadways and curbs
A Strategy to Double Logan Express Ridership to 4 million Passengers
HOV Logan Express Execution Plan

Double LEX ridership to 4M

*Action Plan:*

1. Improve Back Bay Logan Express service
2. Start a new urban Logan Express from North Station
3. Enhance services/amenities at existing suburban LEX sites
4. Plan for and increase parking capacity at existing sites
5. Identify new suburban Logan Express locations

Board voted in March to endorse Logan Express plan and to discount Urban Express service. Staff are on schedule to implement that vision.

* Includes airline passengers and Massport/Logan employees
Logan Express is a robust HOV service

- Logan Express currently serves almost 2 million passengers a year

- 4 suburban & 1 urban locations
- Transports 4% of Logan psgrs
- Employees are ≈40% of riders
- 7th largest MA transit system

<table>
<thead>
<tr>
<th>Region</th>
<th>LEX Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside Rt. 128</td>
<td>8%</td>
</tr>
<tr>
<td>Inside Rt. 128</td>
<td>2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Braintree</th>
<th>Framingham</th>
<th>Woburn</th>
<th>Peabody</th>
<th>Back Bay</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018 Ridership*</td>
<td>742K</td>
<td>578K</td>
<td>405K</td>
<td>89K</td>
<td>119K</td>
</tr>
<tr>
<td>Vehicle Trips Avoided</td>
<td>530K</td>
<td>445K</td>
<td>285K</td>
<td>65K</td>
<td>95K</td>
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</tbody>
</table>
Back Bay Logan Express

- Change location from Copley to Back Bay Station (May 1)
- Discount fare from $7.50 each way to Free from Logan and $3 to Logan (May 1)
- Pilot priority security line status for riders (May 1)
- Execute Marketing Campaign to support urban strategy (May 1)
  - Implement LEX e-ticketing (Fall 2019)
Back Bay Logan Express Operating Performance (Since Revitalization May 1)

From May 1 to August 4:

• Total ridership up **98%** from 36,000 last year to 71,000

• Ridership numbers trending up each month (vs. 2018):
  - May +68%
  - June +104%
  - July +122%
  - August to date +121%

• Outbound Logan (FREE) is 59% of total volume

• Use of security checkpoint pass increasing at 33% in August,
Start a new urban Logan Express service at North Station

- Implement a second urban LEX service at North Station (Fall 2020)
  - 18 months required to procure buses
  - Pricing: Free from Logan and $3 to Logan
  - Frequency: 3 trips per hour
  - Provide security line priority status to North Station LEX riders
  - Implement e-ticketing as part of launch of new service

✓ Massport staff have met with both the MBTA and City of Boston, and a bus procurement will begin prior to the May 2019 Board Meeting
Invest in existing suburban Logan Express sites to promote transit to the airport

Improvements:

- Increase Braintree LEX service to 3 trips per hour and launch marketing campaign (May 2019)
- Provide security line priority status across all LEX sites (Fall 2019)
- Implement LEX e-ticketing (Fall 2019)
- Braintree will provide 20 minute service by May 2019
- Marketing campaign launched before May 1
Invest in Structured Parking

• Parking at Framingham Logan Express is over capacity today, and Braintree Logan Express is nearing capacity

Recommendations:

• Framingham:
  – Add 476 spaces to the 1,024-space garage
  – Requires 3-5 years
  – Cost estimated $17 – 20 million

• Braintree:
  – Build up to 3,000 structured parking spaces
  – Requires several years
  – Cost estimated at least $90 million
Invest in new suburban LEX locations

• Massport’s model shows latent demand for Suburban LEX service
• Candidate locations being evaluated for new service include:
  – I-90/I-495, Waltham/Route 2, Newton/Route 128, and Saugus/Route 1

✓ In the interim, Massport is evaluating availability of surface lots, including MassDOT properties

Next Steps:

• Recommend a new location and site to the Board (May 2019)
• Procure New Buses (12-18 months)
• Open new suburban LEX (2020)
Summary

The Logan Airport Ground Transportation Strategy reduces congestion, improves the customer experience, benefits the community and improves the environment

• Doubles Logan Express HOV ridership to 4M passengers

• Eliminates 3M annual vehicle trips from the gateways

• Reduces congestion and provides quicker access times for all Logan customers

• Benefits Communities by reducing congestion through fewer TNC deadheads and fewer cars traveling to and from Logan

• Improves the environment by lowering GHG emissions