First/Last Mile Solutions for Commuter Rail

Sarah Hamilton
Vice President of Area Planning and Development
LONGWOOD MEDICAL AND ACADEMIC AREA (LMA) - BOSTON

- 4 miles from downtown
- Second most dense employment district in City
LMA STATS

- Workforce Powerhouse for State - 57,000 jobs
- Epicenter of Innovation and Healthcare
  - 2.3 million patients annually
  - Over $3 billion in research funding,
- Students Build the State’s Economy
  - 29,000 students
DESTINATION FOR OVER 112,000 PEOPLE EACH DAY

• Enough to fill 560 two-car Green Line Trains Daily
TRANSFORMATIVE GROWTH FOR REGION
LMA DOUBLED IN LAST 30 YEARS

• Priority Place Designation in Focus 40
• Transportation system has changed very little
WILL GROW ANOTHER 7 MILLION SF BY 2035

- 70% more people, 36% more development than Kendall
- 80% more people than Seaport; same amount of development
2016 LMA COMMUTING MODE SPLIT

- Drive Alone, 29%
- Public Transit, 48%
- Carpool/Vanpool, 4%
- Bicycle, 4%
- Walk, 10%
- Other, 5%

- Nearly 50% take transit
LMA EMPLOYEES COME FROM ACROSS THE STATE & NEW ENGLAND

- North Corridor: 3,400 / 7.2%
- Northeast Corridor: 2,817 / 6.0%
- Northwest Corridor: 557 / 1.2%
- Cambridge/Somerville Corridor: 3,494 / 7.4%
- Brookline/Newton Corridor: 5,692 / 12.1%
- Boston Corridor: 15,038 / 31.9%
- Metrowest – Rte 9 Corridor: 1,366 / 2.9%
- Southeast Corridor: 4,002 / 8.5%
- South Corridor: 2,547 / 5.4%
- Upper West – Route 2 Corridor: 2,276 / 4.8%
- Lower West – I-90 Corridor: 1,029 / 2.2%

RHODE ISLAND
Distance from Commuter Rail Stations – 1.2 - 4 miles
DISTRIBUTION OF COMMUTER RAIL RIDERS

- 4,000 commuter rail riders; 41% not served by Ruggles or Yawkey
- 28% come through North Station; 13% through South Station
- 100% must transfer to rapid transit or bus; or walk/bike.
OUR FIRST MILE/ LAST MILE SOLUTIONS

• TDM and Massive T Pass Subsidies - $26.6 m sales, $13.6 m subsidies, 246,000 passes

• Supplemental shuttle transportation – $10 m/yr

• Advocacy for improvements

• Planning/Implementation of Transportation Improvements - $200K-$600K/yr
INCENTIVES TO TAKE ALTERNATIVE TRANSPORTATION

Travel Demand Management

- CommuteFit – Bike/Walk
- CommuteSwap – Drivers take Transit
- Lyft to Longwood – CommuteLine, CommuteFlex
- ERH
MASCO LMA SHUTTLE

- 7 shuttle routes to transit stations and off-site parking
- Over 2.6 million annual trips
<table>
<thead>
<tr>
<th>Bus Service</th>
<th>Total Trips</th>
<th>Total Trips First/Last Mile</th>
<th>Breakdown/Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ruggles</td>
<td>795,060</td>
<td>795,060</td>
<td>100% First/Last Mile - Ruggles</td>
</tr>
<tr>
<td>JFK</td>
<td>396,900</td>
<td>396,900</td>
<td>100% First/Last Mile</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>85% JFK/Umass Station</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15% Andrew Station</td>
</tr>
<tr>
<td>Fenway</td>
<td>434,700</td>
<td>130,410</td>
<td>30% First/Last Mile</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yawkey (130,410)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70% Park &amp; Ride</td>
</tr>
<tr>
<td>M2</td>
<td>793,750</td>
<td>198,438</td>
<td>75% Primary Commute Option</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>25% First /Last Mile for various MBTA Stations, especially Red Line and Cambridge Bus Lines</td>
</tr>
</tbody>
</table>

- Stations: Ruggles, JFK/Umass, Andrew, Yawkey, Bus Transfer
PLANNING FOR BETTER MBTA ACCESS

- MASCO-Funded Feasibility Study for New Yawkey Station
- Advocated for State Funding
- Opened in 2014 with added service
MASCO funded 2 studies; consensus and data support for T
Advocacy for $25 million TIGER grant from U.S. DOT
New platform to enable 40% more AM trains to stop - 2019
½ mile of bike lanes, bus lane, and pedestrian improvements
Consensus building with cyclists, institutions, city
MASCO funded conceptual plan - Boston constructed 2018
FUNDING ADDITIONAL BICYCLE PLANS TO CONNECT TO RAIL

- Bike Plan Southwest Corridor to LMA - approved
- Ave Louis Pasteur - under review
- Brookline Ave - additional buffered bike lanes - 2019 construction
IMPROVE PEDESTRIAN EXPERIENCE

LONGWOOD BRIDGE – LIGHTING CONCEPT PLAN

- Walk Audits 2017
- Riverway/Brookline Ave. Ped/Bike Connectivity study – current
- Longwood Bridge Pedestrian Lighting Plan – working with MASSDOT

Proposed street light locations
MAKE THE WALK BEAUTIFUL

2017 - Installed 31 planters, 3,000 perennials, 20 trees, 55 shrubs, 700 bulbs
FOSTER A CULTURE OF SAFETY

Karma Commuting Safety Campaign

Karma Commuting

Be smart like her.

pledge to win! | tweet us

Tweet us using #KarmaCommuting with a safety tip or safety don’t.

TAKE OUR QUIZ AT WWW.KARMACOMMUTING.COM
Once a month $50 gift card awarded to Quiz Taker!

www.karmacommuting.com

Karma Commuting Safety Campaign
Questions?

Thank You!