Demographic Driven Demand

Green Line Extension Project
GREEN LINE EXTENSION PROJECT
Green Line Extension Project

- 7 Stations along 4.5 Miles of Green Line Double Track
- Relocation of 4 Miles of Double Track Commuter Rail
- Drainage & Utilities in Corridor and on Bridges
- Approximately 25,000LF of Retaining Walls & Noise Walls
- 8 Bridges and Viaducts
- Maintenance Facility
- Catenary, Signals, Communication and Power
- Roadway and Traffic Improvements
Existing/Future Condition

Existing Condition

Future Condition


Phase 1  Phase 2 & 2A  Phase 3  Phase 4


Permitting, Property, and Procurement

Start-Up & Testing

massDOT

GLX RAILVOLUTION PRESENTATION
OCTOBER 22, 2013
Existing Community Profile

- GLX project area neighborhoods are among densest in Boston area;
  - Somerville is one of the most densely populated municipalities in the US with nearly 19,000 people/mile²

- Approximately 60% of residents live in an EJ neighborhood

- 44% percent of the ridership in the GLX live in no-auto households

- GLX reduces transit travel times by 64% and 74% for each branch. Heavy congestion impacts bus travel.

- 32,000 daily riders: 92% of those riders in its opening year
Transit Oriented Communities

- GLX project stations located within “urban villages”
  - Gilman, Lowell and Union Squares (Somerville)
  - Tufts University (Medford)
  - Ball Square (border of Medford and Somerville)
  - Lechmere (new TOD under construction in Cambridge)

- GLX provides a one-seat ride to major employment and activity centers including:
  - Downtown Boston, New England’s major employment center hosting 310,000 employees each day
  - Fenway Park, home of the Boston Red Sox with over 3 million visitors each year, 24% arrive via the Green Line
  - Longwood Medical and Academic Area, one of the world’s premier medical campuses -- over 100,000 medical professionals, students, employees and patients each day
Unique Demographics in Corridor

- 63% of Community with Bachelors Degree or Higher
- High Level of Renters:
  - Massachusetts: 65% Owner vs. 35% Renter
  - Somerville: 33% Owner vs. 67% Renter
- 26% Foreign Born
- 59% Single/Never Married
- Only New York City has more artists per capita than the City of Somerville
Transit Ready Community

• When Compared to similar sized cities nationally, Somerville ranks:
  – Top 1% for Public Transit Usage
  – Top 2% for Walking or Biking to Work
MBTA Transit in Somerville

Current: 20% of Population
Future: 74% of Population
Somerville Community Path

- Winter Hill Community School
- Edward L. Leathers Community Park
- Edgerly Middle School
- Hoyt-Sullivan Playground
- St. Ann’s Parish
- Somerville Junction Park
- Somerville City Hall
- Somerville High School
- Winter Hill Community School
- Shaw’s Supermarket
- The Center for Arts at the Armory
- Prospect Hill Park
- Trum Field Baseball Field
- Ball Sq
- Lowell St
- Gilman Sq
- Washington St
- College Ave
- Union Sq
- Trum Field
- Basebaill Field
- Prospect Hill Park

MassDOT

GLX RAILVOLUTION PRESENTATION
OCTOBER 22, 2013
Bike Sharing Network
Automobiles Need Not Apply

Bicycle Parking at Stations
Total Spaces: 1,113

Auto Parking at Stations
Total Spaces: 240

Total Spaces: 1,113
Pedal & Park
Use of Technology to Enhance Customer Experience

Washington Street Station

Kenmore Station
Making Transit Data Available for Customers
Changing the Conversation in Community Outreach
Using Technology for Public Outreach
GLX Recent Milestones Achieved

- Early Action Construction: Fall 2012
- Transportation Finance Reform: Summer 2013
- CM/GC Contract Award: July 2013
- Final Design – 60% Level: September 2013
GLX Upcoming Milestones

- Submit New Starts Update: Sept/Oct 2013
- Submit FFGA Application: Feb/Mar 2014
- Begin Early Work Construction: Summer 2014
- Full Funding Grant Agreement: Fall 2014
- Service Begins:
  - 1st Phase: Spring 2017
  - 2nd Phase: Spring 2019
THANK YOU

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