

Portland North Small Starts Alternatives Analysis

Coordination Meeting
June 16, 2009



AECOM

Agenda

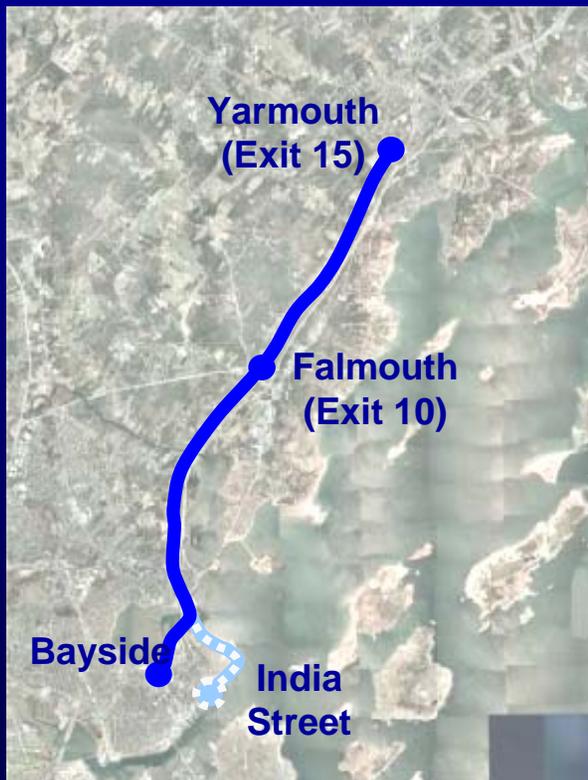
- Introductions
- Summary of Project
- Station Issues (Feedback)
- Summary of Small Starts Process
- Preliminary Screening Criteria (Feedback)
- Other Issues

Overview of Alternatives

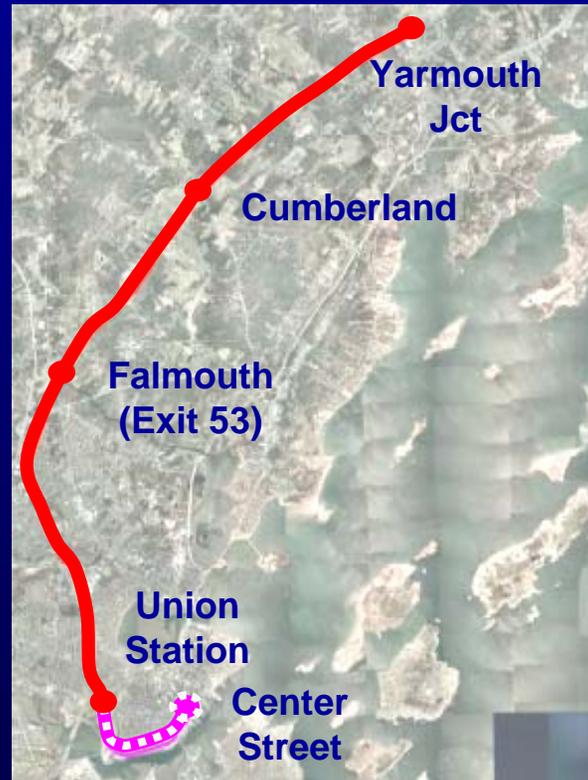
- Three service alternatives
 - Yarmouth
 - Brunswick (Bath)
 - South Auburn (Lewiston)
- Three route alternatives:
 - Saint Lawrence and Atlantic Railway (SLR)
 - Pan Am Railway
 - Express Bus
- Five Portland terminal alternatives:
 - Bayside (SLR)
 - India Street (SLR)
 - Union Station (Pan Am)
 - Center Street (Pan Am)
 - Monument Square (Express Bus)

Yarmouth Service

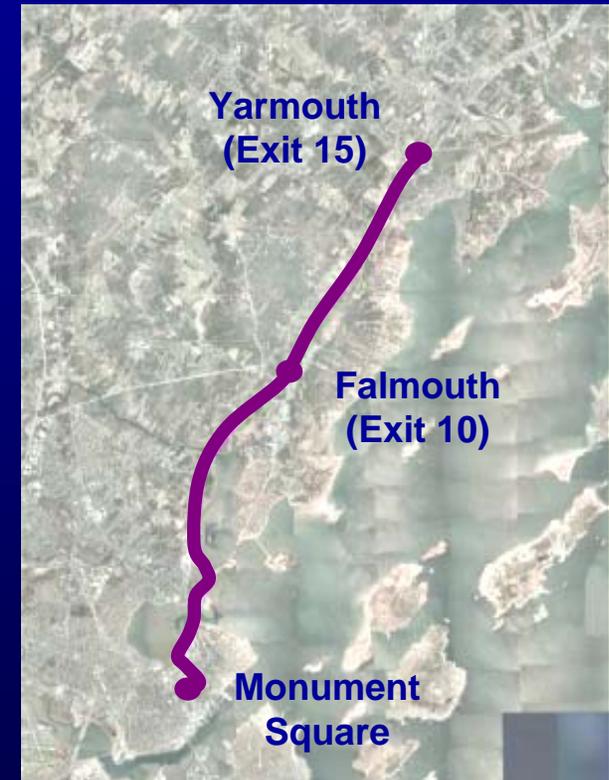
SLR



Pan Am

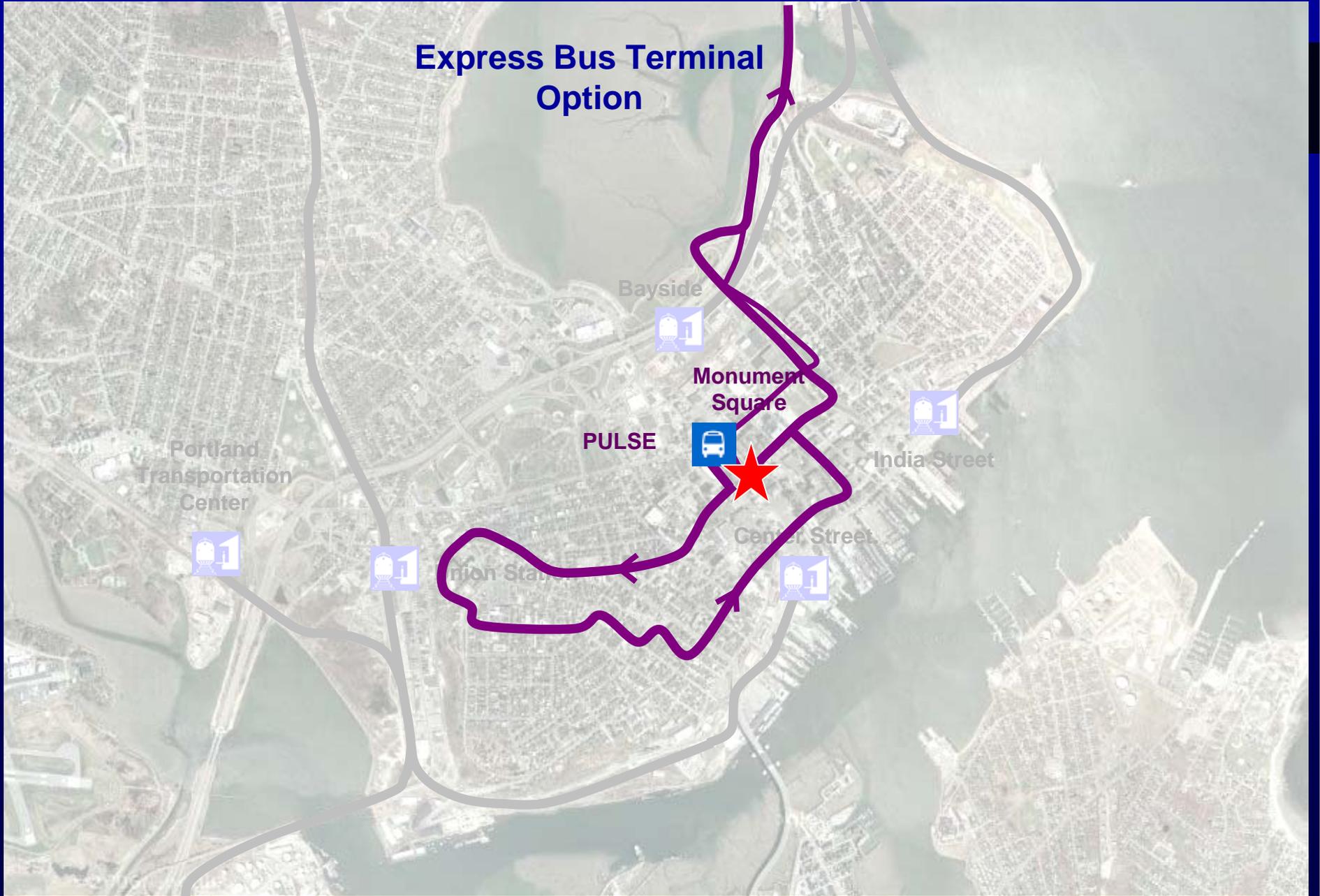


Express Bus





Express Bus Terminal Option



Portland Transportation Center

Bayside

Monument Square

PULSE

India Street

Center Street

Union Station



Yarmouth Service Statistics

- 22 Roundtrips per Weekday
- Service Headways
 - 30 minute peak
 - 60 minute offpeak
- First trip arrives Portland: 6:45 AM
- Last trip departs Portland: 10:55 PM

SLR Service to Yarmouth

Stops

- Yarmouth
- Falmouth
- Portland (Bayside or India Street)

Yarmouth to Bayside: 17 minutes

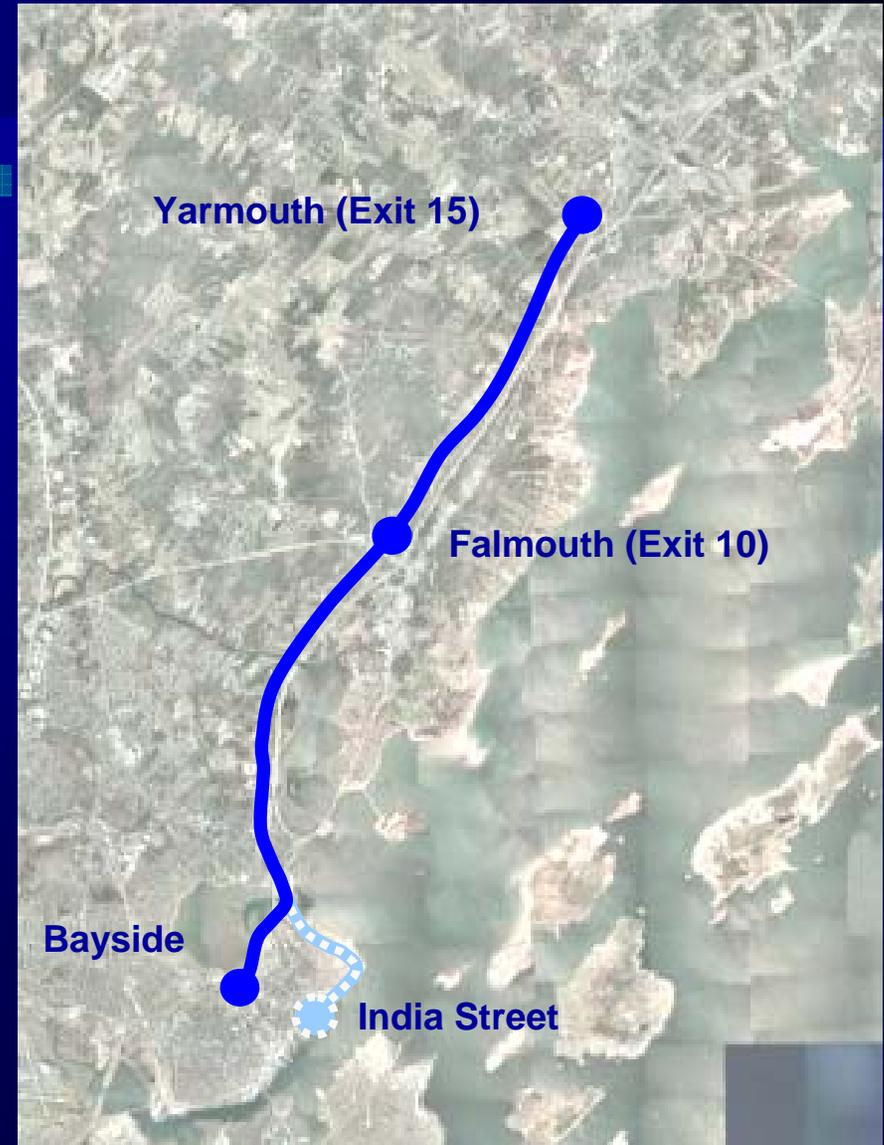
Yarmouth to India Street: 18 minutes

9.3 miles to Bayside

10.1 miles to India Street

Required Infrastructure Upgrades

- Reconstruct Union Branch
- Build new bridge over Back Cove
- Rebuild SLR Main



Pan Am Service to Yarmouth

Stops

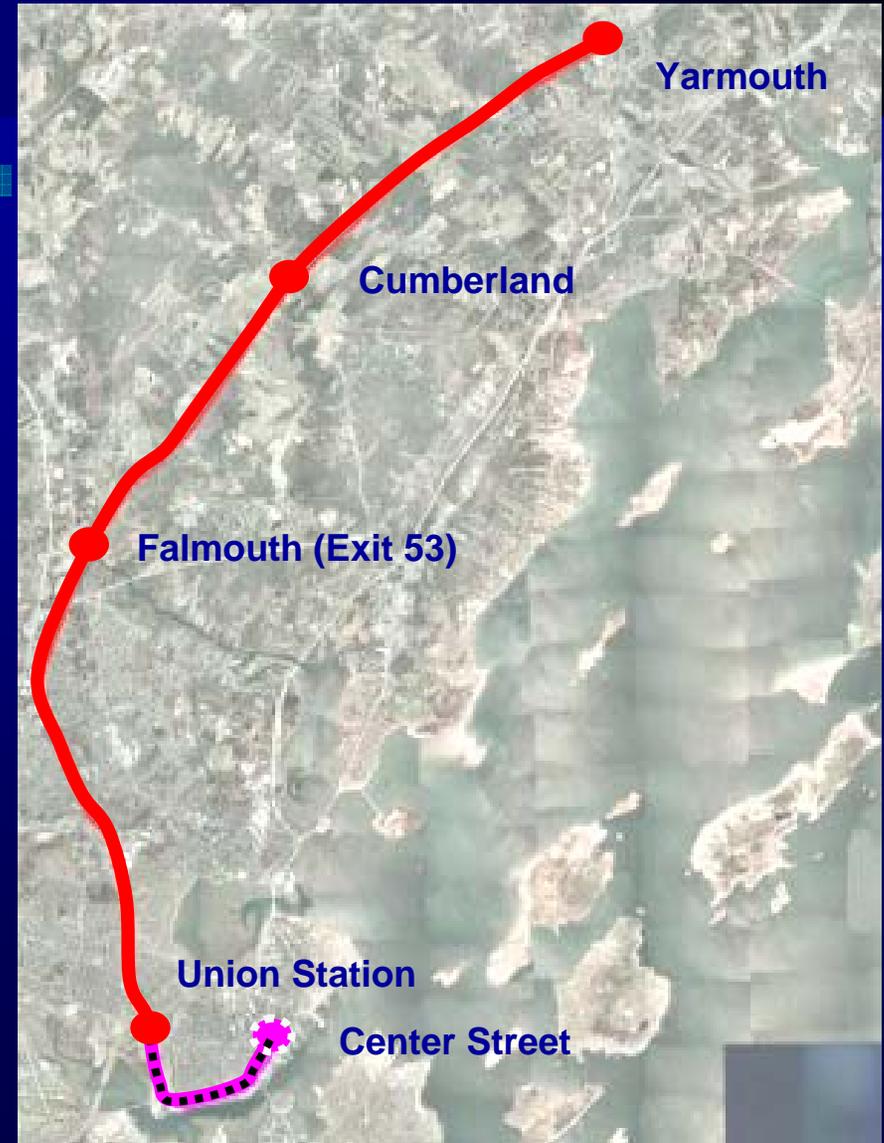
- Yarmouth Jct
- Cumberland
- Falmouth
- Portland (Union Station or Center Street)

Yarmouth Jct to Union Station: 20 min
Yarmouth Jct to Center Street: 26 min

13.5 miles to Union Station
15.6 Miles to Center Street

Required Infrastructure Upgrades

- Upgrades to Pan Am Freight Main and Commercial Street



Express Bus Service to Yarmouth

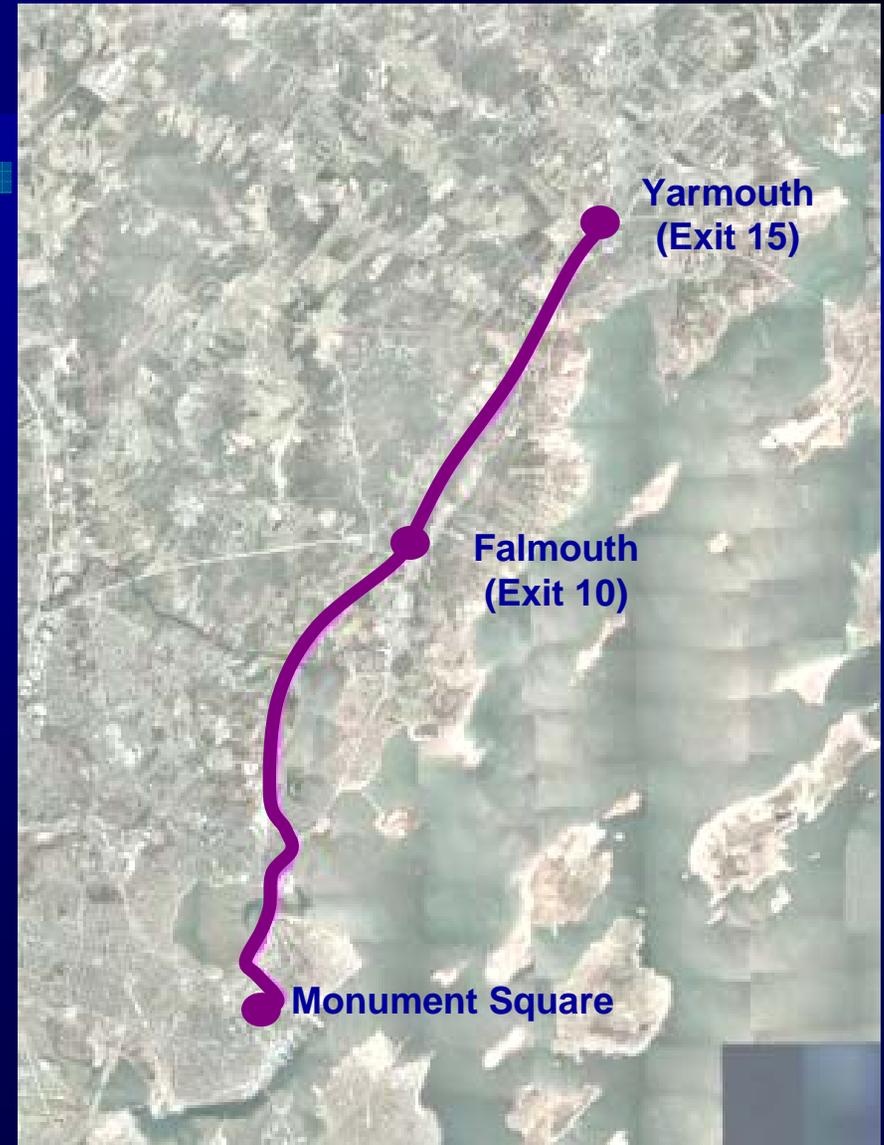
Stops

- Yarmouth
- Falmouth
- Monument Square

10.4 miles to Monument Square

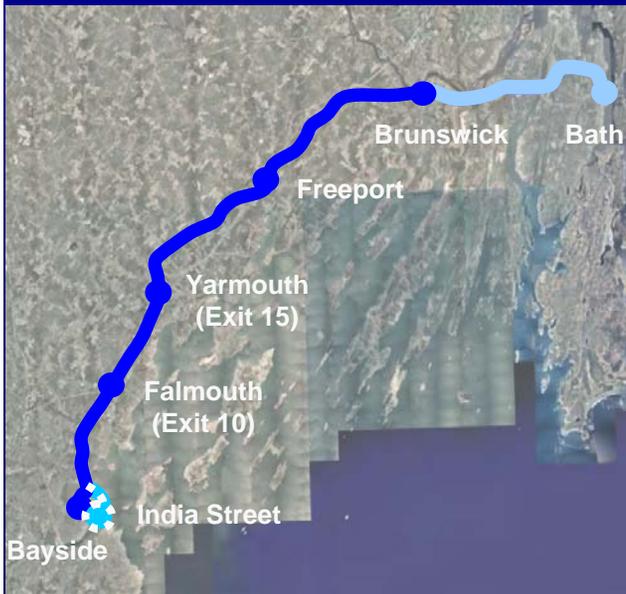
Operate on shoulders where available

Downtown Distribution loop

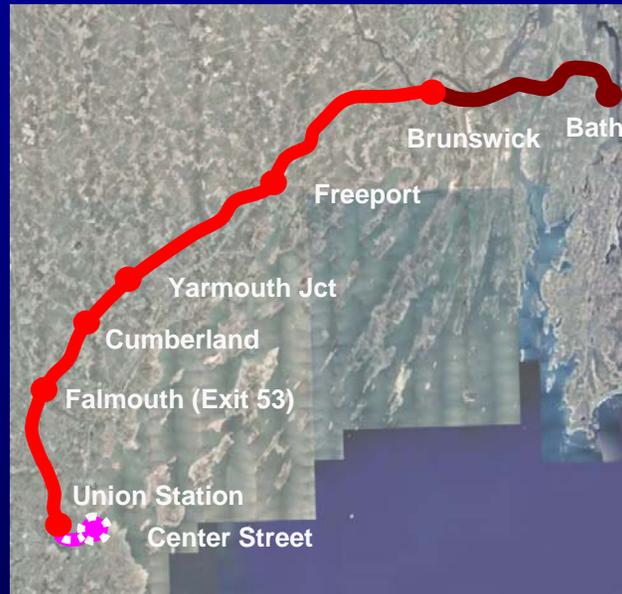


Brunswick Service

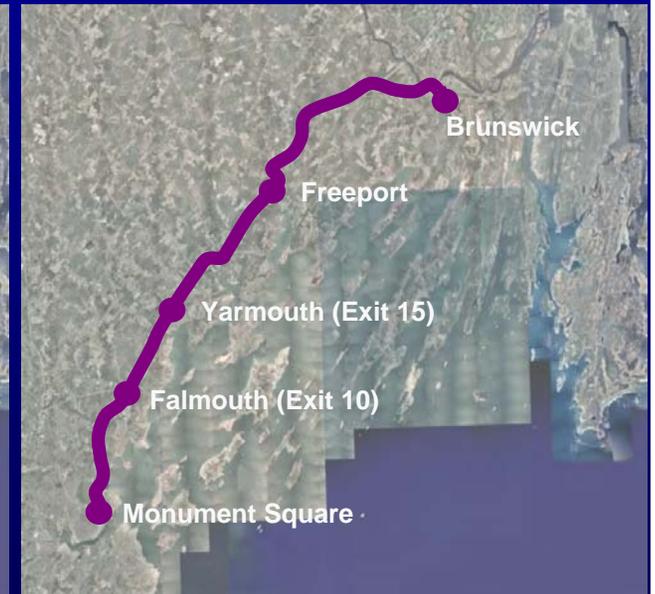
SLA



Pan Am



Express Bus



Brunswick Service Statistics

- 22 Roundtrips per Weekday
- Service Headways
 - 30 minute peak
 - 60 minute offpeak
- First trip arrives Portland: 6:45 AM
- Last trip departs Portland: 10:55 PM

SLA Service to Brunswick

Stops

- Brunswick
- Freeport
- Yarmouth
- Falmouth
- Portland (Bayside or India Street)

Brunswick to Bayside: 38 minutes

Brunswick to India Street: 40 minutes

25.6 miles to Bayside

26.4 miles to India Street

Required Infrastructure Upgrades

- Reconstruct Union Branch
- Build new bridge over Back Cove

Rebuild SLA Main



MaineDOT



AECOM

Pan Am Service to Brunswick

Stops

- Brunswick
- Freeport
- Yarmouth Jct
- Cumberland
- Falmouth
- Portland (Union Station or Center Street)

Brunswick to Union Station: 37 minutes
Brunswick to Center Street: 43 minutes

27.8 miles to Union Station
29.9 miles to Center Street



Required Infrastructure Upgrades

- Upgrades to Pan Am Freight Main and Commercial Street

Express Bus Service to Brunswick

Stops

- Brunswick
- Freeport
- Yarmouth
- Falmouth
- Monument Square

28.4 miles to Monument Square

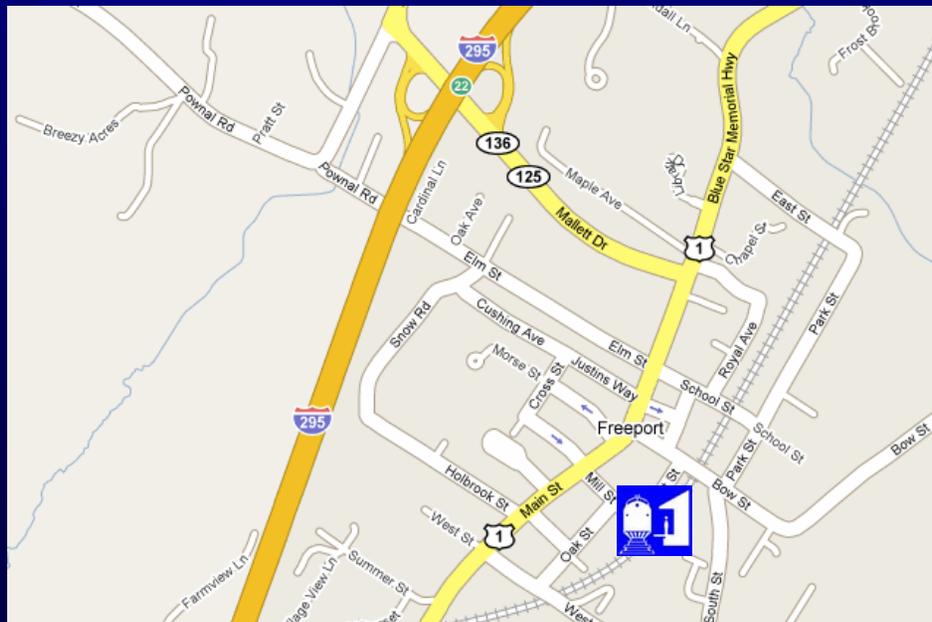
Operate on shoulders where available

Downtown Distribution loop



SLA and Pan Am Freeport Station

- **Downtown Freeport**
 - Heart of retail district
 - Nearby Residential Areas
 - Will be built for Downeaster





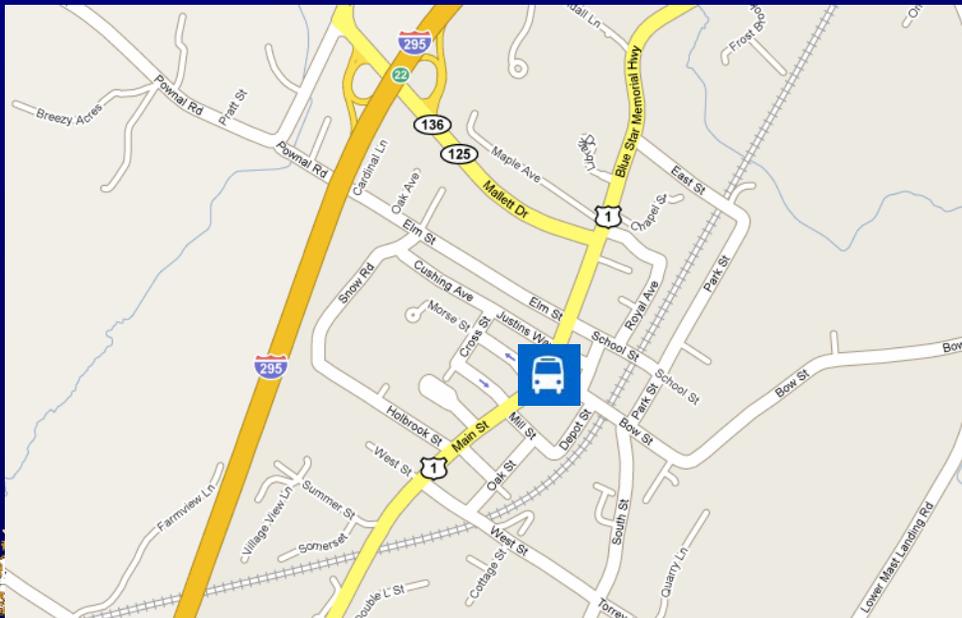
LL Bean

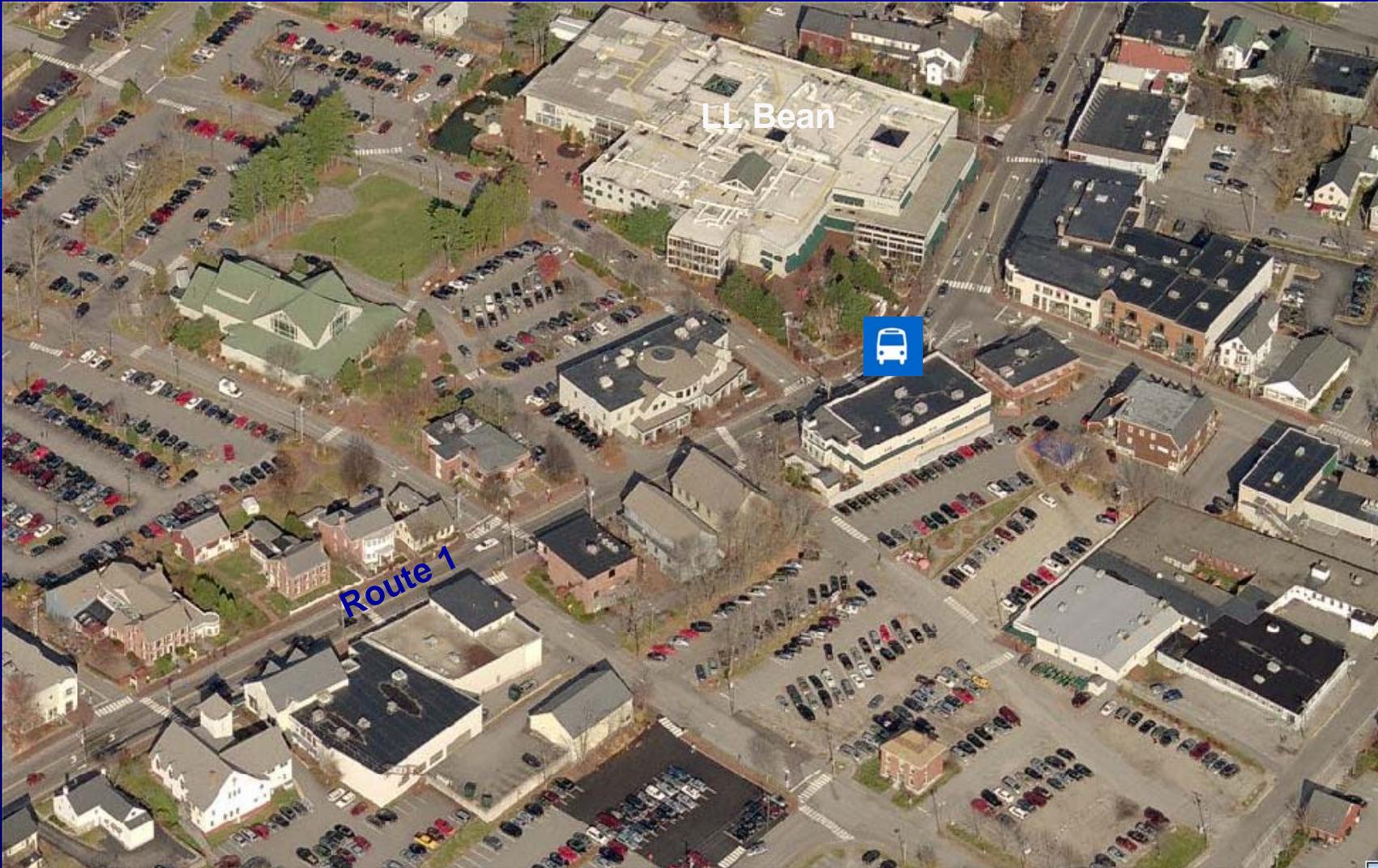
Route 1



Express Bus Freeport

- Downtown Freeport (on Bow Street)
 - Heart of retail district on Rte 1
 - Nearby Residential Areas





Small Starts Summary

- Capital costs associated with new fixed guideway systems, extensions, and bus corridor improvements
- Requests under \$75 million and total project costs must be under \$250 million
- In addition, Small Starts eligible if:
 - (a) meet the definition of a fixed guideway for at least 50 % of the project length in the peak period
 - (b) be a new fixed guideway project, or

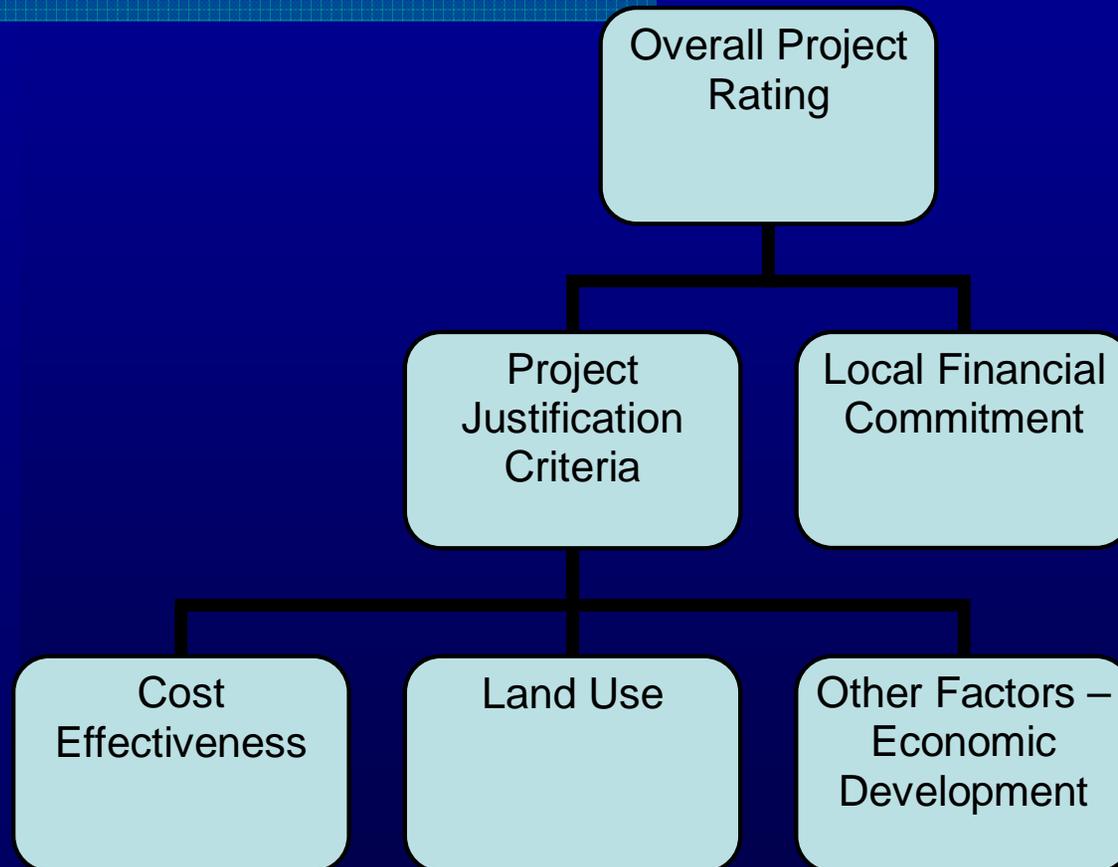
Small Starts (cont.)

- (c) be new corridor-based bus project with all of the following minimum elements:
 - Substantial transit stations
 - Traffic signal priority/pre-emption, to the extent, if any, that there are traffic signals on the corridor
 - Low-floor vehicles or level boarding
 - Branding of the proposed service
 - 10 minute peak/15 minute off peak headways or better while operating at least 14 hours per weekday

Small Starts Funding (FY10)

- \$174 Million for 16 projects
- Maximum grant \$54.5 Million

Small Starts Criteria



FTA Small Starts Evaluation Criteria

- Cost Effectiveness (which is a combined measure of annual travel time savings and annualized cost)
- Total Cost compared to State and Local Financial Capacity
 - Capital cost (including highway or rail improvements including railroad bridge costs)
 - Operational cost
- Transportation Measures (which would be roughly proportional to vehicular emissions)
 - Level of Service
 - Total System Vehicle Miles Traveled
 - Total System Vehicle Hours Traveled
- Land Use
 - Existing Land Use Patterns
 - Transit supportive plans and policies
 - Performance and impact of these policies

Small Starts Ratings

- New project justification ratings for FY 2010

KEY DRIVERS

- 30% Cost Effectiveness
- 30% Land Use
- 30% Economic Development

Preliminary Screening Criteria

- Cost (higher weighting)
- Leveraging existing Investments
- Land use/economic development benefits
- Ridership
- Service to transit-dependent population and social equity
- Impact on highway congestion
- Support of Maine's Sensible Transportation Policy Act (STPA)
- Availability of right-of-way
- Impact of grade crossings
- Others?

Next Steps

- Phase 1 Alternatives Evaluation
- Selection of Alternatives for Phase 2 Evaluation
- Phase 2 Evaluation
 - Further Development of Alternatives
- Selection of Preferred Alternative
- Small Starts Assessment