

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:

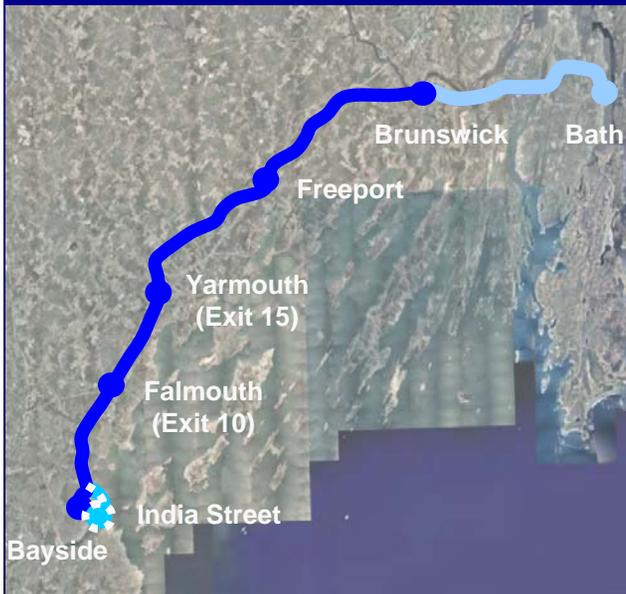
- Saint Lawrence and Atlantic Railway (SLR)
- Pan Am Railway
- Express Bus

- Five Portland terminal alternatives:

- Bayside (SLR)
- India Street (SLR)
- Union Station (Pan Am)
- Center Street (Pan Am)
- Monument Square (Express Bus)

Brunswick Service

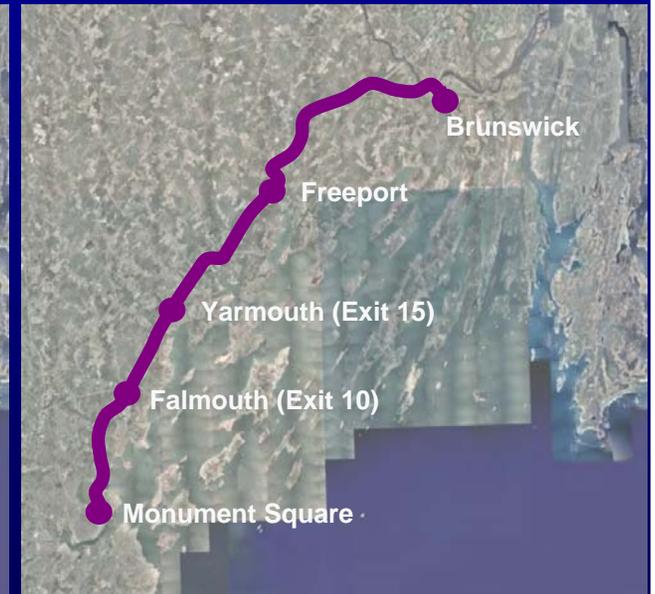
SLA



Pan Am

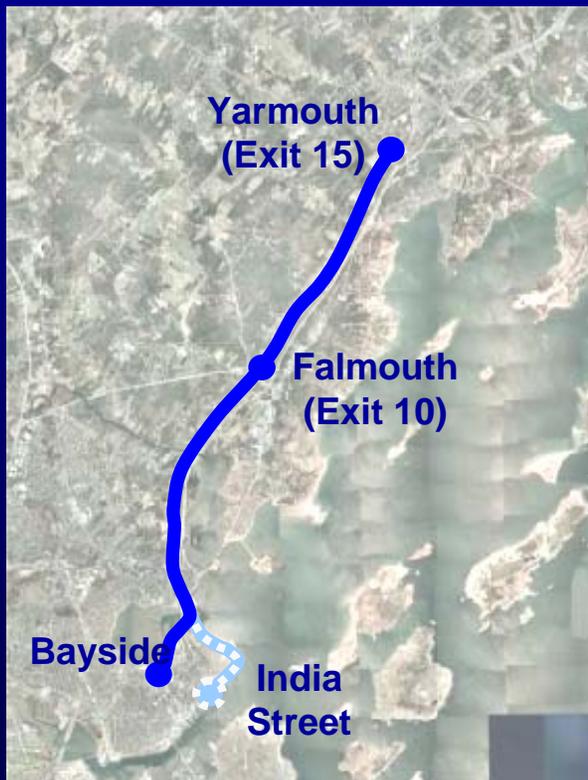


Express Bus

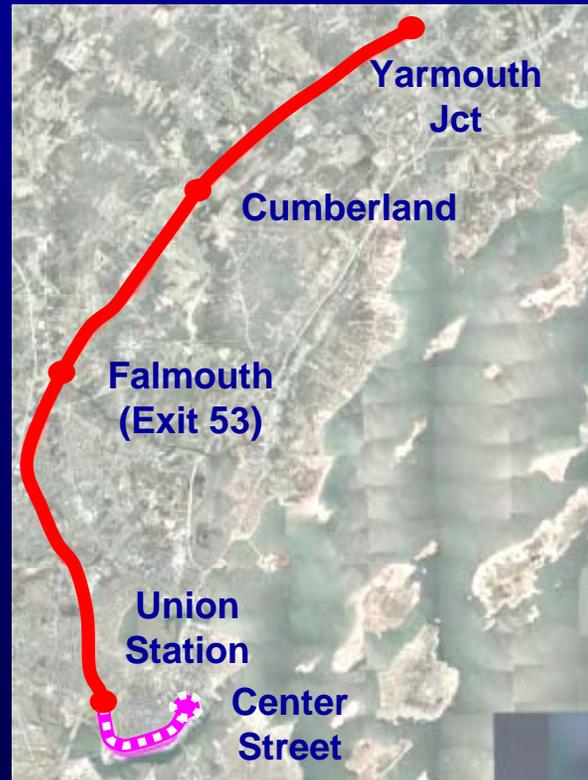


Yarmouth Service

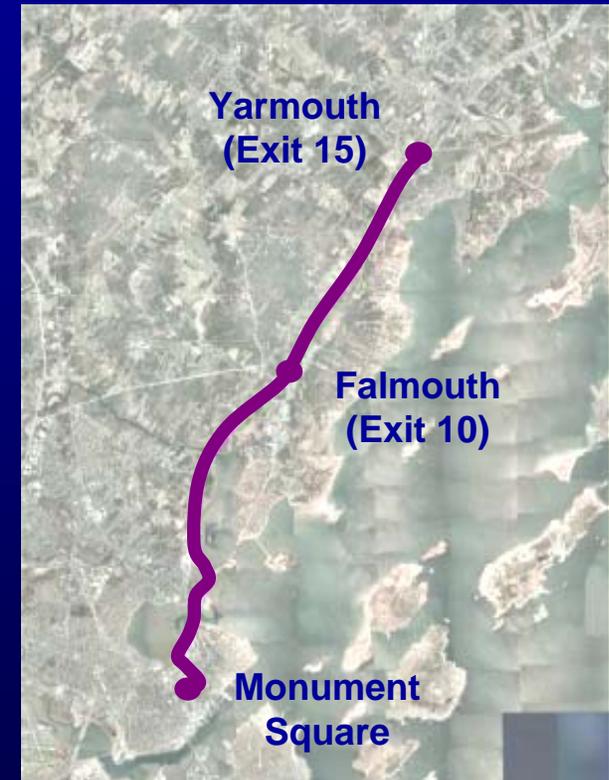
SLR



Pan Am

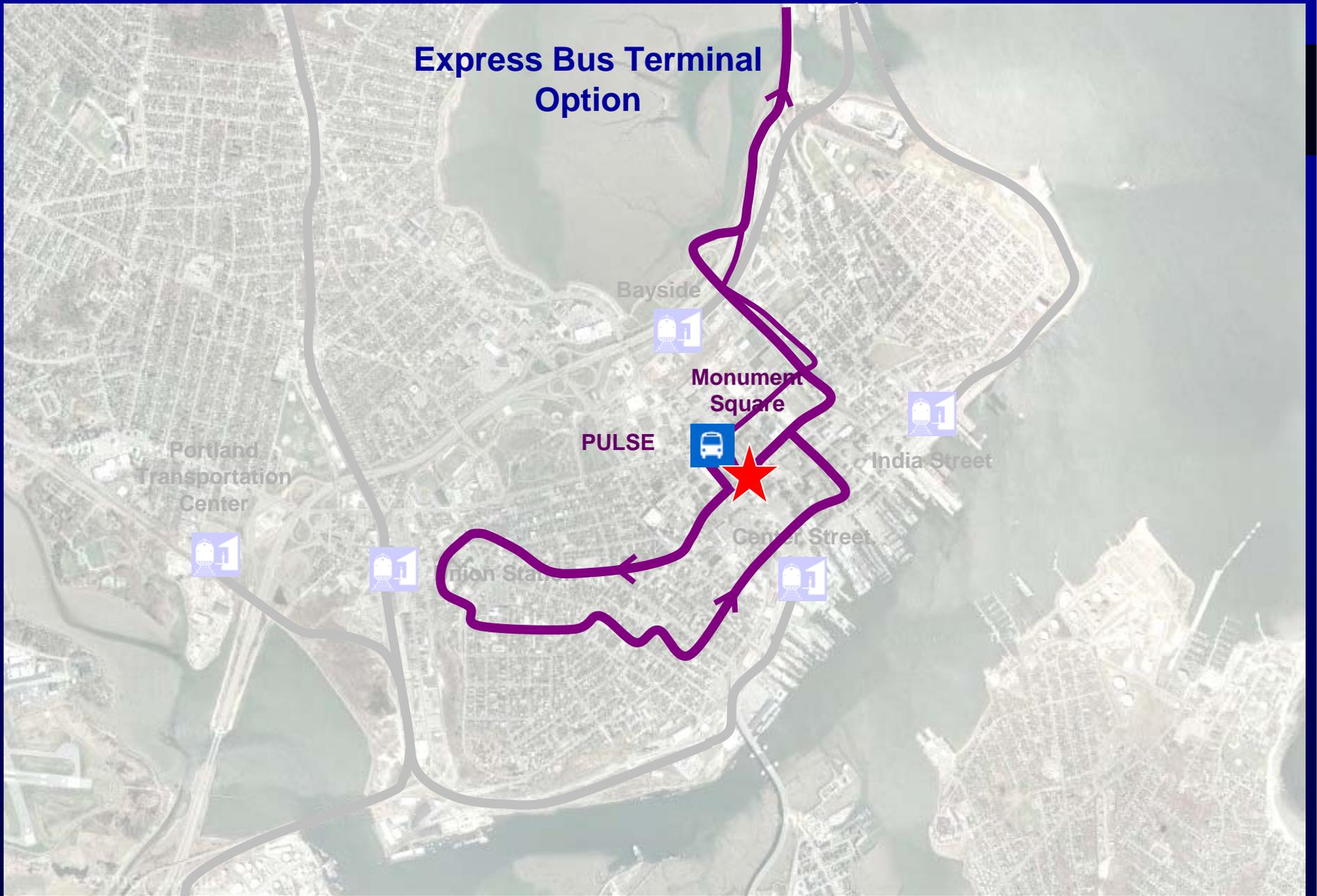


Express Bus





Express Bus Terminal Option



Bayside

Monument Square

PULSE

India Street

Portland Transportation Center

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

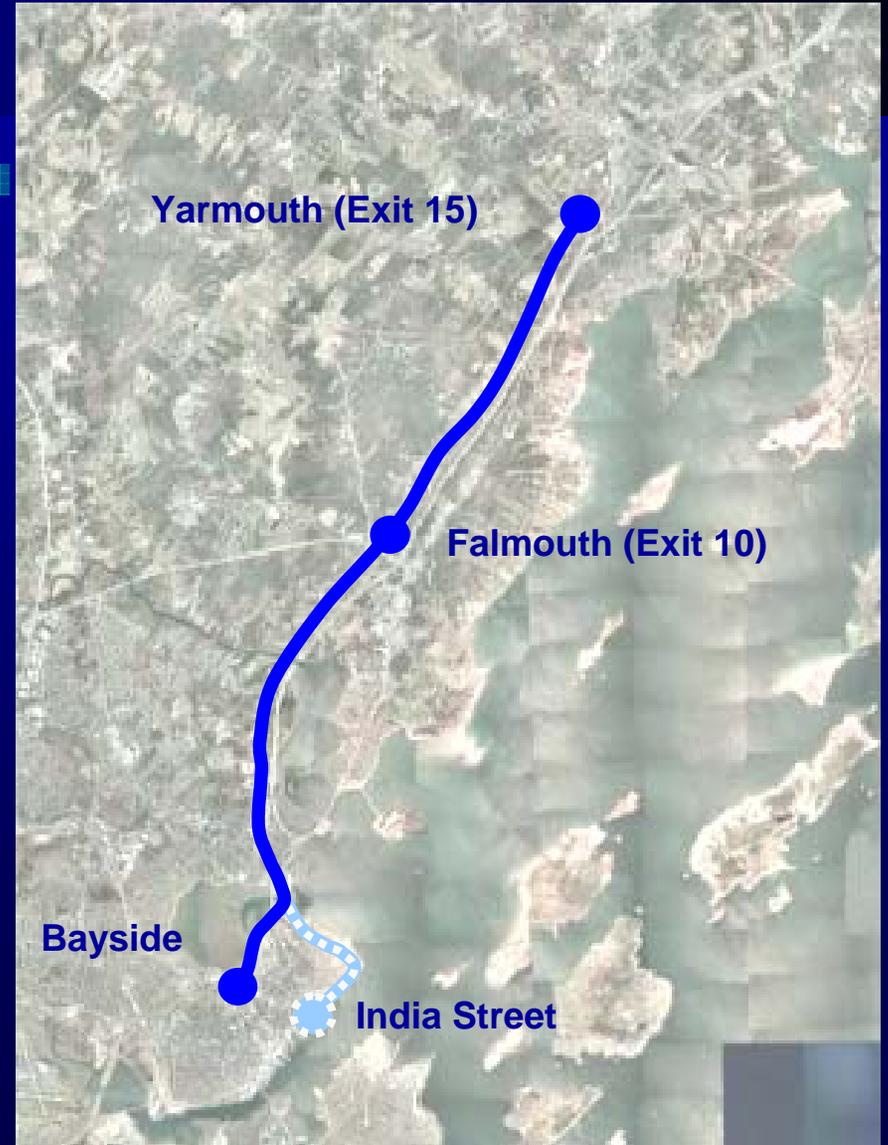
Yarmouth to India Street: 18 minutes

9.3 miles to Bayside

10.1 miles to India Street

Required Infrastructure Upgrades

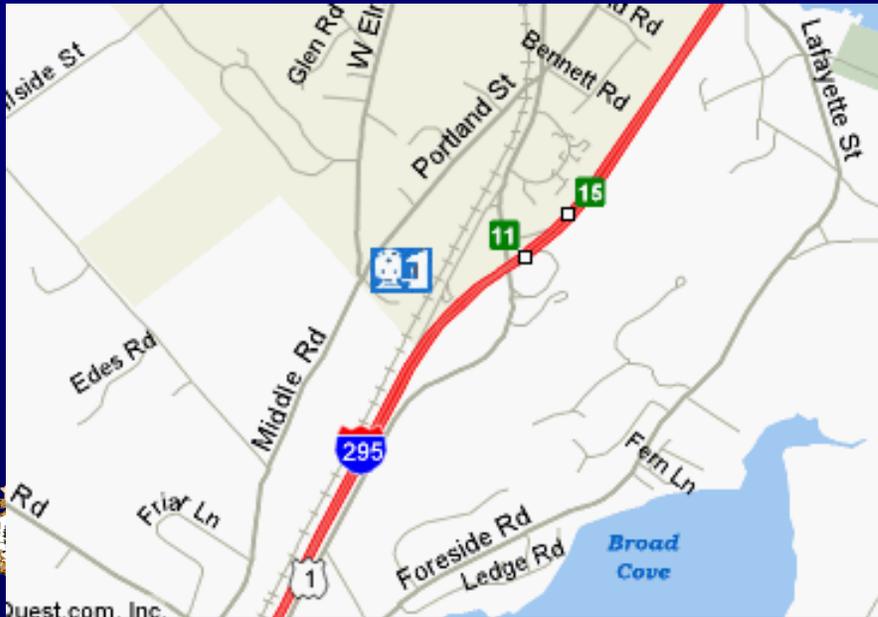
- Reconstruct Union Branch
- Build new bridge over Back Cove
- Rebuild SLR Main



SLA Route

Yarmouth Station I-295 (Exit 15)

- Conveniently located off I-295 at Exit 15
- ~ 1 mile south of Yarmouth Center
- Station near MDOT property





Rte 1

I-295 Southbound On-Ramp

I-295



Pan Am Service to Yarmouth

Stops

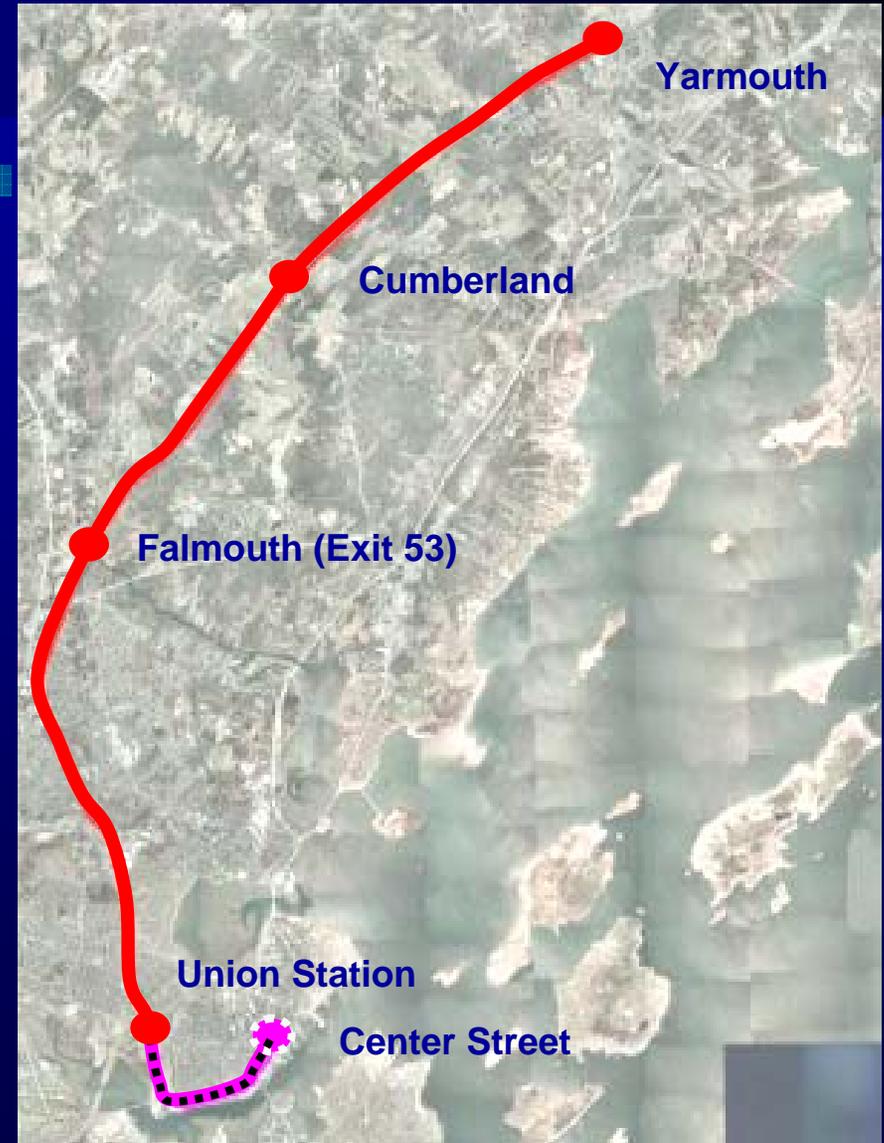
- Yarmouth Jct
- Cumberland
- Falmouth
- Portland (Union Station or Center Street)

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

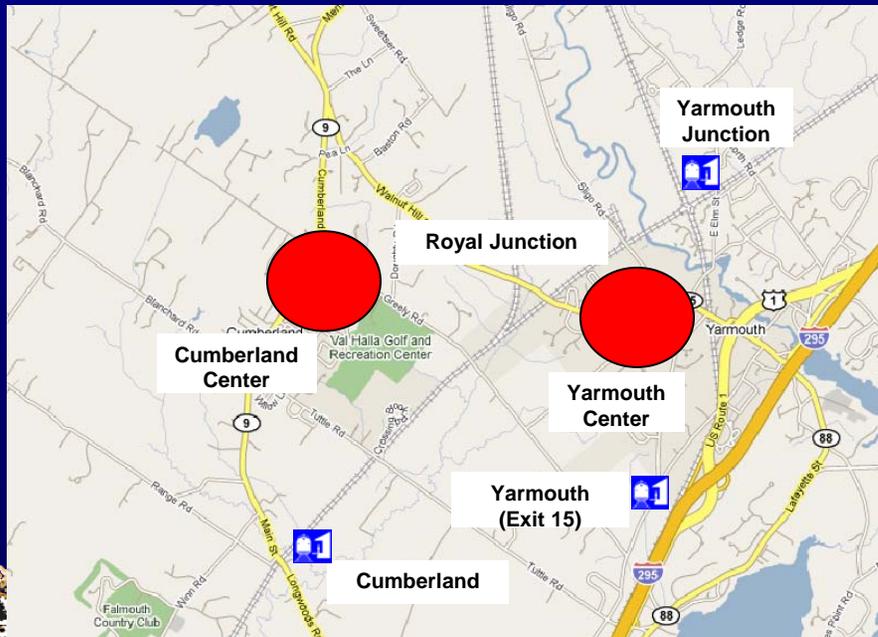
Required Infrastructure Upgrades

- Upgrades to Pan Am Freight Main and Commercial Street



Pan Am Route Yarmouth Jct Station

- ~ 1 mile north of downtown Yarmouth
- ~0.2 miles east of Yarmouth Junction
- Land for station development



I-95 On Ramps



Freeport and
Brunswick



East Elm Street

Yarmouth
Center

Yarmouth Jct

Express Bus Service to Yarmouth

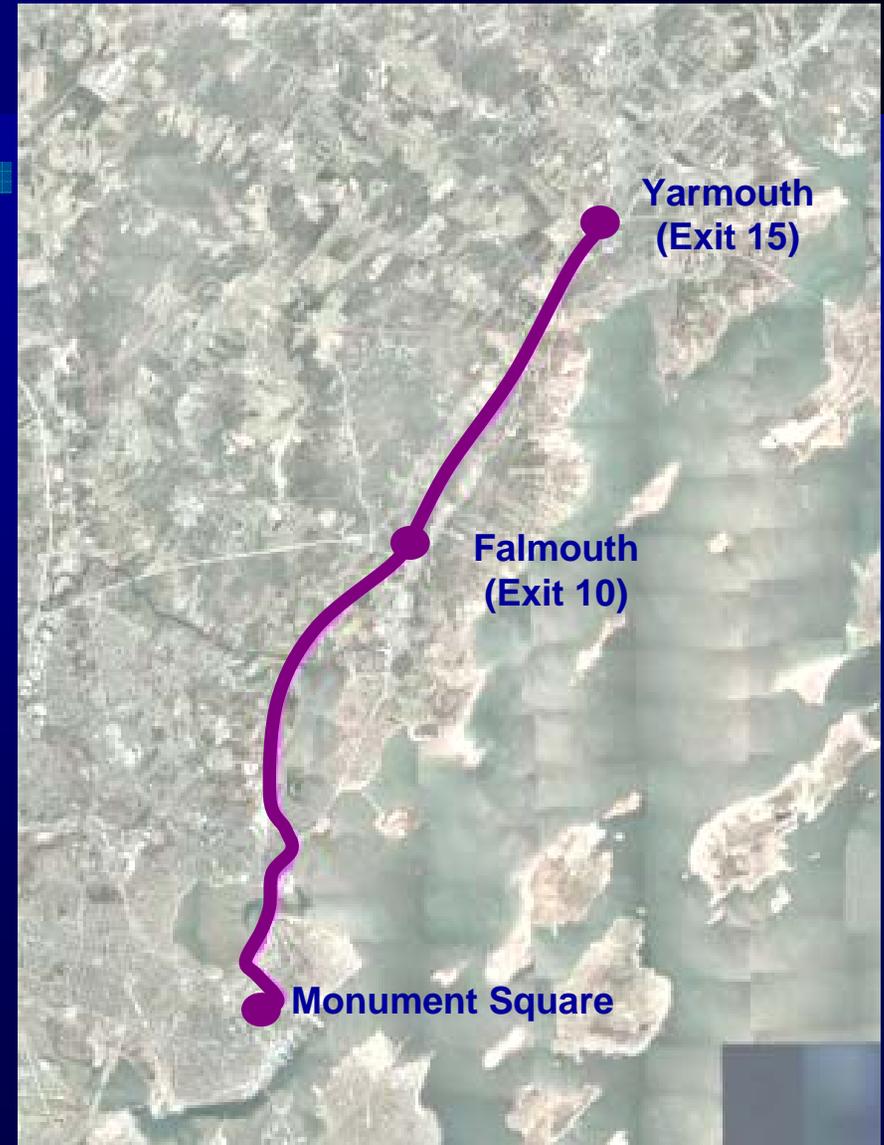
Stops

- Yarmouth
- Falmouth
- Monument Square

10.4 miles to Monument Square

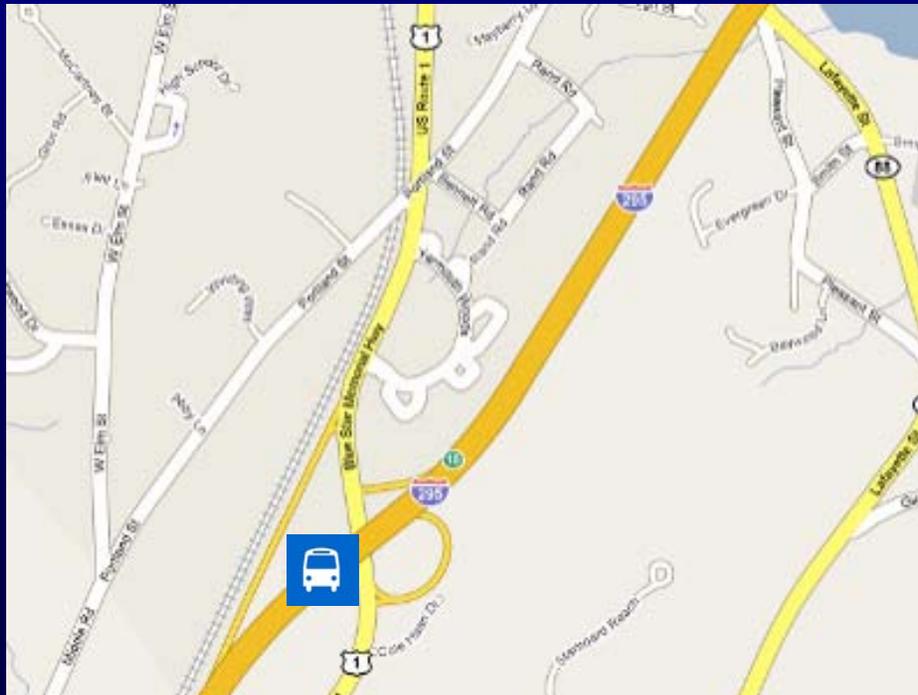
Operate on shoulders where available

Downtown Distribution loop



Express Bus Yarmouth I-295 (Exit 15)

- Conveniently located off I-295 at Exit 15
- Park-n-Ride Stop
- Near MDOT property





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

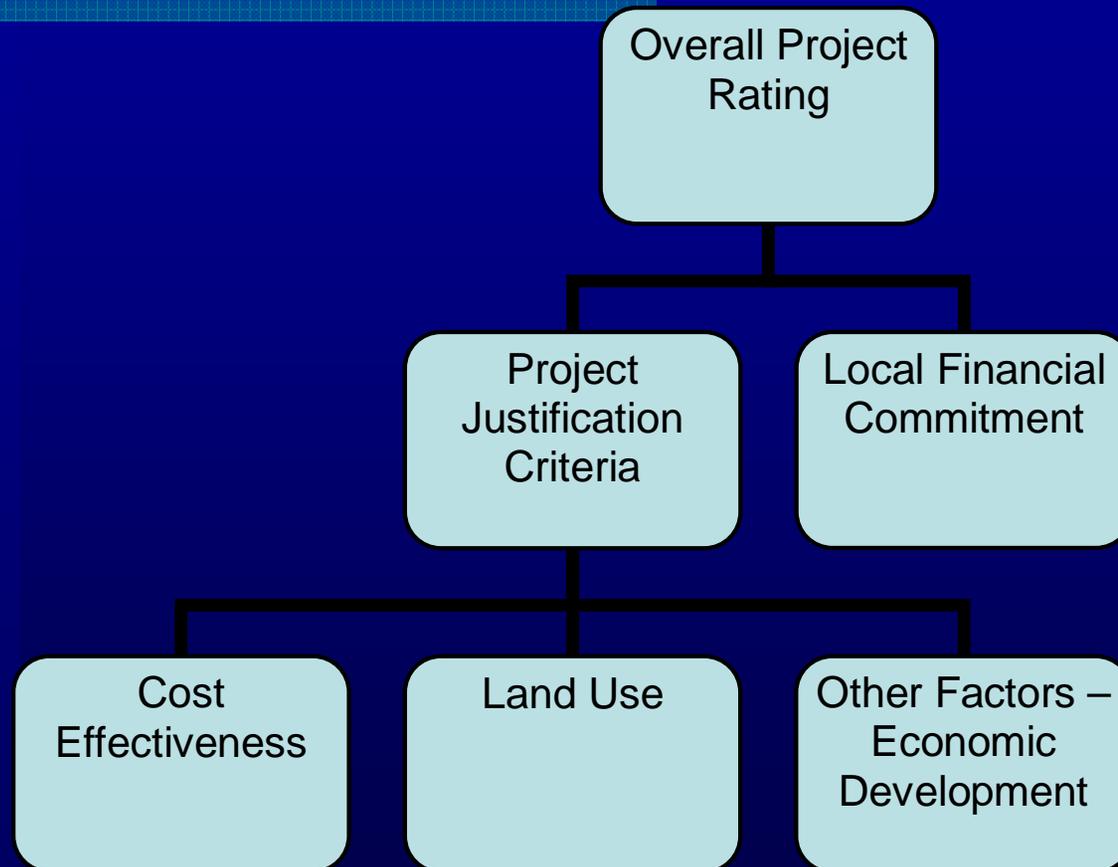
Small Starts (cont.)

- (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