Portland North Small Starts
Alternatives Analysis

RailVolution
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Existing Transportation Network

- I-95 to Gray, New Gloucester, Auburn, and Lewiston.
- I-295 to Yarmouth, Freeport, and Brunswick.
- Limited transit options for commuters north of Portland.
- Intercity buses do not operate on commuter schedules.
- Amtrak’s Downeaster service between Portland and Boston.
- Maine DOT Park-n-Ride Lots - no bus service to lots.
Highway Congestion

- Existing ADT on I-295 between Exits 3 and 9 exceeds 30,000 in each direction.
- Heaviest congestion on bridge crossing Back Cove at 45,000 vehicles per day.
- ADT on I-295 north of Portland ranges from 45,000 to 50,000.
- VMT to increase 25% by 2025.
- VHT to increase 33% by 2025.
- Traffic volumes at Back Cove projected to increase by 20% by 2025.
- Severe degradation in LOS projected for 2025 between Portland and Yarmouth.
Transit Services

- Limited transit options for commuters north of Portland
  - Metro
  - City Link
  - Go Maine

- Intercity buses do not operate on commuter schedules
  - Concord Trailways
  - Vermont Transit

- Amtrak’s Downeaster service between Portland and Boston
Commuting Characteristics

- 30,000 in study area commute to Portland
- High concentrations of commuters from Freeport, Yarmouth, Cumberland, and Gray
- 79% – 85% commute via auto alone
- 13% carpool
- Population/employment growth of 20% expected
2006 Jobs by Portland TAZ

- University of So. Maine
- Portland Intl Jetport
- Maine Medical Center
- Maine Mall
- UNOM Provident
- 2 miles from Bayside
- 1 mile from Bayside

Legend:
- Manufacturing
- Residual
- Trade
- Services

Map: Portland area TAZs (2005 jobs)

Scale: 0-1.2 miles
- 0-0.4
- 0.4-0.8
- 0.8-1.2

0-500 jobs
- 500-1250 jobs
- 1250-2500 jobs
- 2500 jobs

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Brunswick and Auburn commuters to Portland are similar.

Brunswick line offers more potential for inter community commutes.

Auburn line offers more potential employment in 2025.
Alternatives Overview (Rail)

- Auburn
  - SL&A

- Brunswick
  - Pan Am
  - SL&A
Alternatives Overview (Bus)

- **Express Bus**
  - Travel along I-95 and I-295
  - Service Park and Ride Lots
  - Terminate at METRO Hub
Lessons Learned

- Refine Corridor
- Focus on Land Use and Economic Benefits
- Arm yourself with relevant case studies
- Involve FTA early