



## MBTA Program for Mass Transportation

# PMT Stakeholder Advisory Committee

July 26, 2007

2008 PROGRAM FOR MASS TRANSPORTATION

PMT SAC, July 26, 2007

SLIDE 1/23

*Massachusetts Bay  
Transportation Authority*





## PMT Stakeholder Advisory Committee

- Agenda, July 26, 2007
  - Introduction
  - MBTA needs/priorities for
    - Stations
    - Facilities
    - Parking
    - Bridges
  - Proposed Evaluation Methodology & Criteria





## MBTA Stations

- 134 commuter rail
- 127 rapid transit
- 17 bus rapid transit
- 380 shelters at bus stops





## MBTA Stations (cont.)

- Station Reconstruction Projects Underway at:
  - Maverick
  - State Street
  - Fields Corner
  - Shawmut
  - Ashmont
  - Mattapan





## MBTA Stations (cont.)

- Station Accessibility Upgrades Underway at:
  - Arlington
  - Copley
  - Kenmore
  - Brookline Village
  - Longwood





## MBTA Stations (cont.)

- Redundant Elevator Program currently funded
- Station Reconstruction Planned for:
  - Government Center
  - Orient Heights
  - Boston College





## MBTA Facilities

- Ferry terminals
- Ventilation buildings
- Storage buildings
- Noise walls
- Retaining walls
- Tunnels and culverts
- Layover facilities
- Maintenance of way facilities





## MBTA Facilities (cont.)

- Administrative Buildings:
  - Operations control center
  - Engineering and administrative offices
  - Commuter rail operations facility
  - Quality control facility
  - MBTA Police Headquarters
- Back-up operations control center currently funded





## MBTA Parking

<b>Mode</b>	<b>MBTA- Owned</b>	<b>Other Spaces</b>
Rapid Transit	16,040	4,160
Commuter Rail	22,532	9,699
Water Transit	2,363	325
Express Bus	272	0
<b>Total</b>	<b>41,207</b>	<b>14,184</b>





## MBTA Parking (cont.)

<b>Mode</b>	<b>Total Spaces</b>	<b>% Utilized</b>
Rapid Transit	20,200	85%
Commuter Rail	32,231	72%
Water Transit	2688	62%
Express Bus	272	85%
<b>Total</b>	<b>55,391</b>	<b>77%</b>





## MBTA Parking (cont.)

- By 2025, unconstrained demand for parking could exceed current supply by 50% - 80%





## MBTA Bridges

- 281 commuter rail
- 58 rapid transit
- 86 highway
- 44 pedestrian





## MBTA Bridges (cont.)

- Major rehabilitation projects funded for:
  - Merrimack River Bridge (Haverhill Line)
  - Concord Main Street Bridge (Fitchburg Line)
  - Drawbridge over Charles River (used by all North Side commuter rail lines)
  - Fairmount Line Bridges
  - Green Line Bridges





## Proposed 2008 PMT Evaluation Methodology

- Identify Potential Mobility Solutions
  - Compile list of mobility challenges
  - Develop problem statements
  - Compile list of potential solutions





## Proposed 2008 PMT Evaluation Methodology (cont.)

- Determine Measurable Targets For Each Goal
- Assess Potential Solutions
  - Screen potential solutions
  - Apply evaluation criteria to potential solutions





## Proposed 2008 PMT Evaluation Methodology (cont.)

- Define Comprehensive Mobility Strategies
  - Summarize performance of potential solutions
  - Identify proposed groupings of solutions
  - Estimate combined impacts of proposed solutions
  - Identify incremental milestones for each strategy





## Proposed 2008 PMT Evaluation Criteria

- Coverage
  - Elimination of Transfers/Minimization of Transfer Time
  - Improvements to Interconnectivity Between Modes (including fare collection)
  - Improvements to station access
  - Expansion of transit access to geographical areas underserved by transit





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Expediency
  - Improvements to service frequency
  - Reduction in travel time
  - Expansion of transit access during time periods poorly served by transit





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Safety, Reliability, and Comfort
  - Enhancements to customers' personal safety
  - Improvements to reliability of service
  - Expansion of capacity where and when crowding occurs
  - Provision of amenities where customers access service
  - Improvements to vehicle comfort and passenger circulation
  - Enhancements to vehicle and station cleanliness





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Fairness
  - Provide greater benefits than burdens in environmental justice areas of concern
  - Expand accessibility for persons with disabilities
  - Enhancements to responsiveness and courtesy of employees
  - Improvements to safety and security training for operators





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Customer Information
  - Improvements to navigational tools
  - Improvements to reliability and quality of stop announcements
  - Improvements to availability of schedules
  - Improvements to availability of real-time service performance data





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Traffic Congestion and the Environment
  - Number of transit riders served
  - Number of new transit riders served
  - Change in transit mode share for the regional network
  - Reduction in regional emissions





## Proposed 2008 PMT Evaluation Criteria (cont.)

- Land Use Impacts
  - Support of sustainable land use patterns
  - Consistency with MPO planning objectives
  - Support of brownfield and infill development

