

APTA PEER PANEL REVIEW PRESENTATION

March 2, 2015

MBTA Disaster Recovery and Service Restoration Activities

- MBTA AT A GLANCE**
- WINTER STORMS 2015**
- WINTER STORMS RESPONSE & RECOVERY**



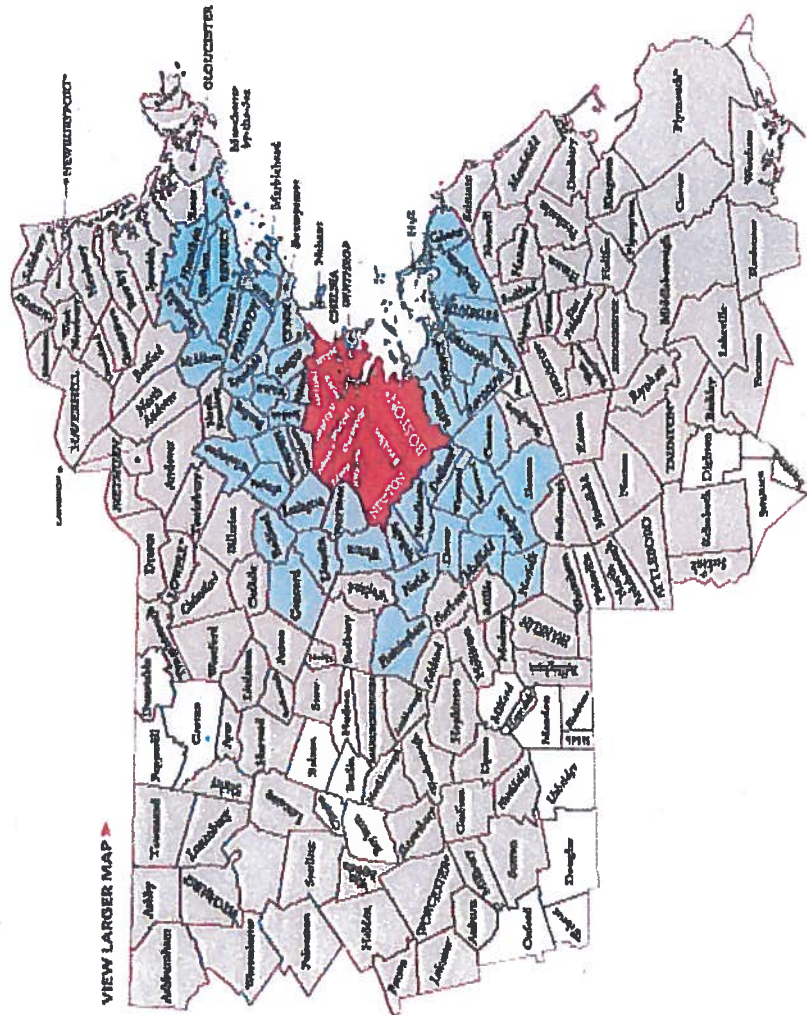


THE MBTA @ A GLANCE

“MBTA 101”

The MBTA...

- America's fifth largest transit system (behind New York, Chicago, Los Angeles, and Washington DC)
- 175 member cities and towns with:
 - a 3,200 square mile area
 - over 4.7 million residents
- 1.3 million trips each weekday (FY14)
- 400 million boardings (CY14)



Heavy Rail (\$200.8m fare revenue CY14)

Red Line:

22 stations, 2 branches
284,000 weekday boardings
(CY14 average)
218 cars fleet



Orange Line:

20 stations
212,000 weekday boardings
(CY14 average)
120 cars fleet



Blue Line:

12 stations
67,000 weekday boardings
(CY14 average)
112 cars in fleet



Light Rail (\$93.8m fare revenue CY14)

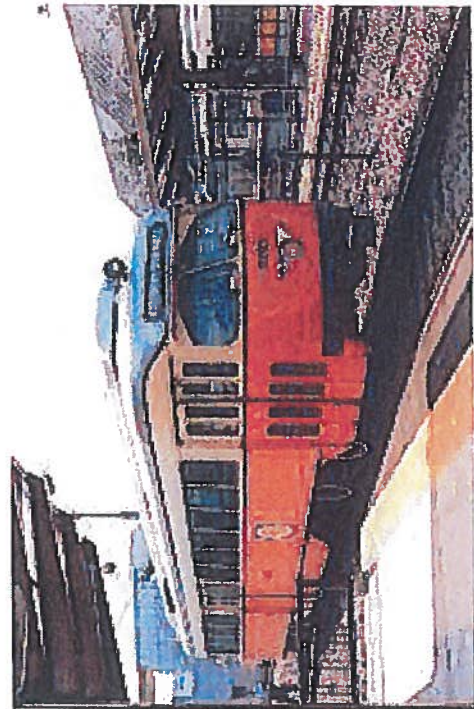
Green Line:

66 stops/stations
219,000 weekday boardings
(CY14 average)
206 cars in fleet



Mattapan Trolley:

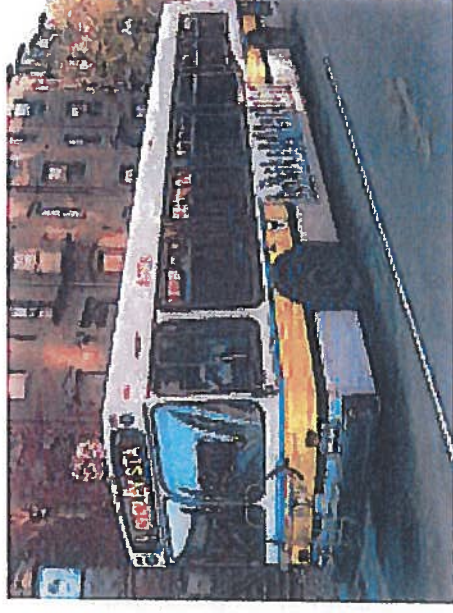
8 stations
4,546 weekday boardings
(CY14 average)
10 PCC cars in fleet



Bus (\$102.0m fare revenue CY 14)

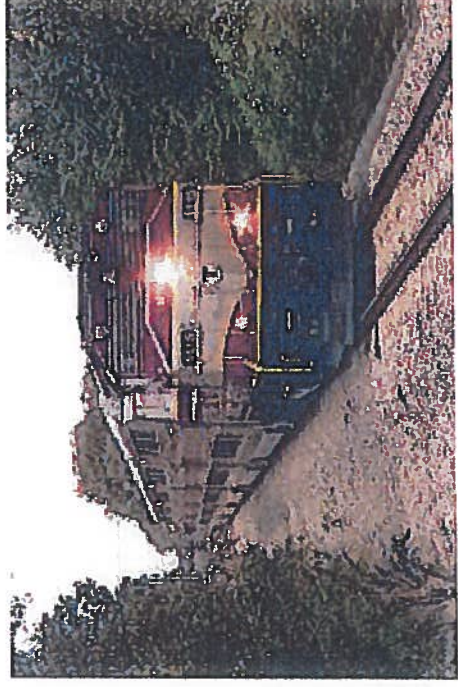
- 183 routes
- 8,000+ bus stops
- 385,000 weekday boardings
(CY 14 average)

- 1,055 vehicle fleet
- Nine garage sites



Commuter Rail (\$180.9m fare revenue FY14)

- Operated by Keolis under contract (\$2.68b over 8 years)
- 5 north side lines (North Station)
- 7 south side lines (South Station)
- 137 stations
- 131,000 weekday boardings (CY14 average)
- 80 Locomotives, 410 coaches



Commuter Boat (\$8.0m fare revenue CY14)

- Operated by Boston Harbor Cruises under contract
- 2 routes serving 7 terminals
- 4,800 weekday boardings (CY14 average)
- 2 MBTA owned vessels, 12 contract vessels available



Private Carriers

- Subsidized under contracts

(\$2,261,600 cost FY15)

- 16 routes

710, North Medford
712/713, Winthrop
714, Hull

716, Cobs corner – Mattapan

Bedford Shuttle

Beverly Shuttle

Burlington "B" Bus

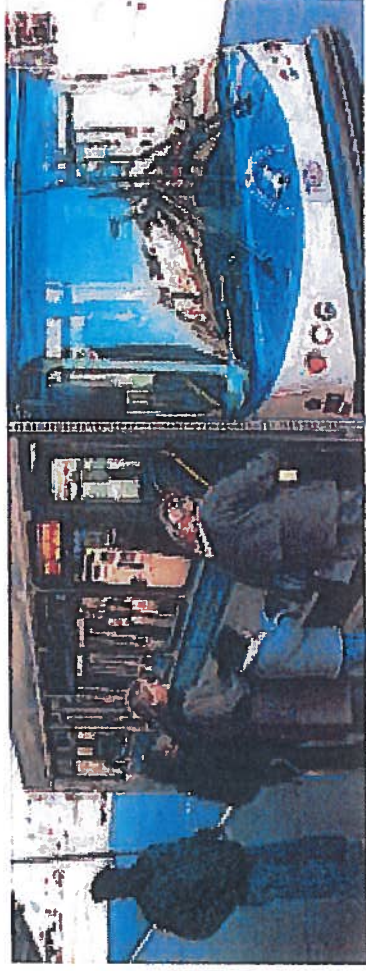
Dedham Shuttle

Mission Hill Link

Lexpress (6 routes)

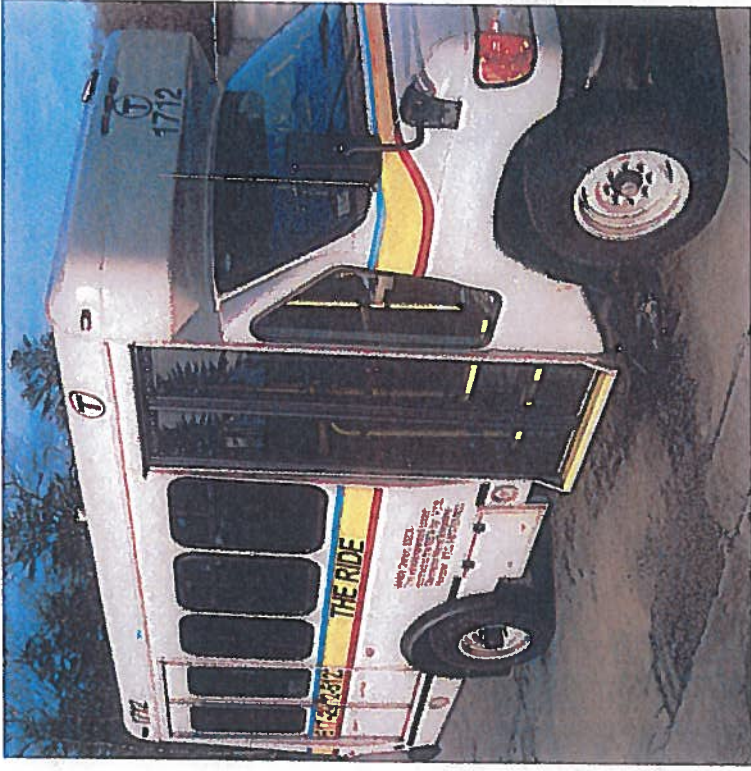
- 3,100 weekday boardings

(CY14 average)



The RIDE (\$6.6m fare revenue FY14)

- Door-to door shared-ride for eligible customers who cannot use fixed-route transit (bus, subway, trolley)
- 3 contractors (5 year term):
 - GLSS \$188m
 - VTS: \$237.8m
 - Next: \$176.6m
- 819 vehicles
- 6,900 weekday trips (CY14 average)





Ridership

Calendar Year 2014		Unlinked Passenger Trips	
Mode	#	Annual	
			% of total
Heavy Rail	174,820,189		43.6%
Red Line	88,252,908		22.0%
Orange Line	65,014,123		16.2%
Blue Line	21,553,157		5.4%
Light Rail			
Green Line	69,378,673		17.3%
Rubber Tire	116,068,333		29.0%
Bus (inc. Silver)	114,687,746		28.6%
Trackless trolley	1,380,587		0.3%
Commuter Rail	36,087,619		9.0%
Commuter Boat	1,378,929		0.3%
RIDE	2,131,407		0.5%
Private Bus	918,599		0.2%
Total	400,783,749		100.0%

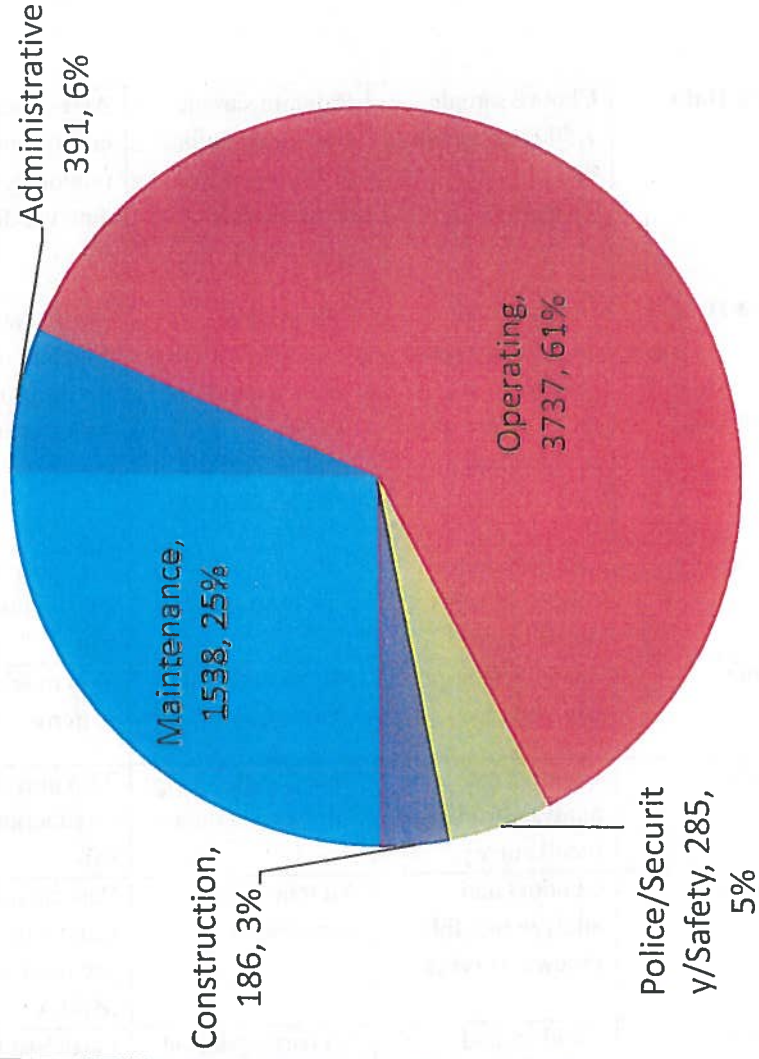


Employees

6,137 employees (Dec. 14) [441 vacancies]

- 5,122 full time operating budget
- 576 part time operating budget
- 439 full time capital budget

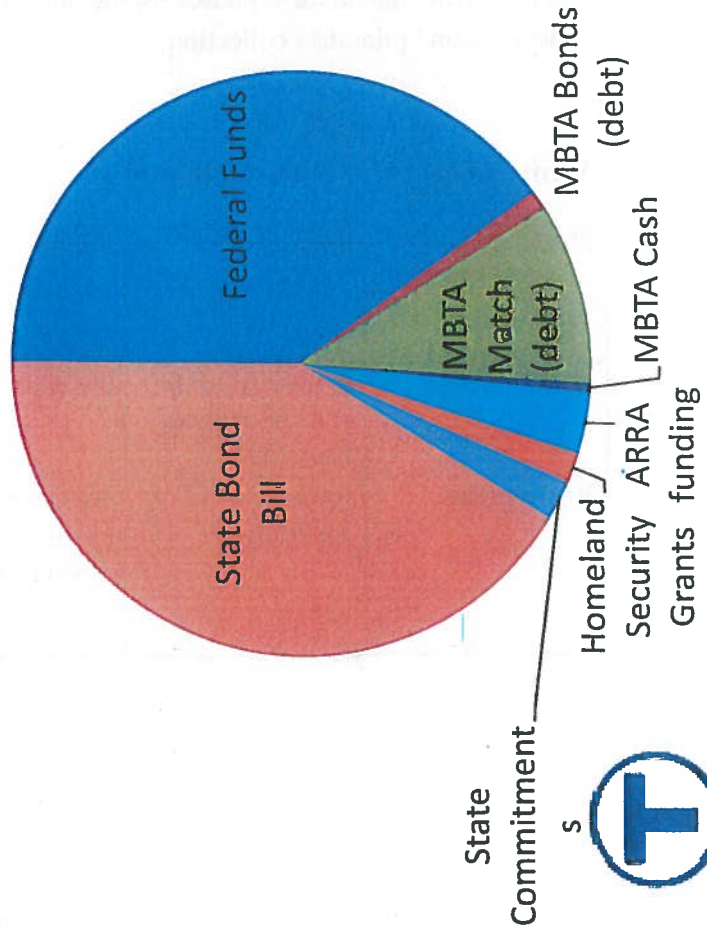
Headcount by Function (Dec. 2014)



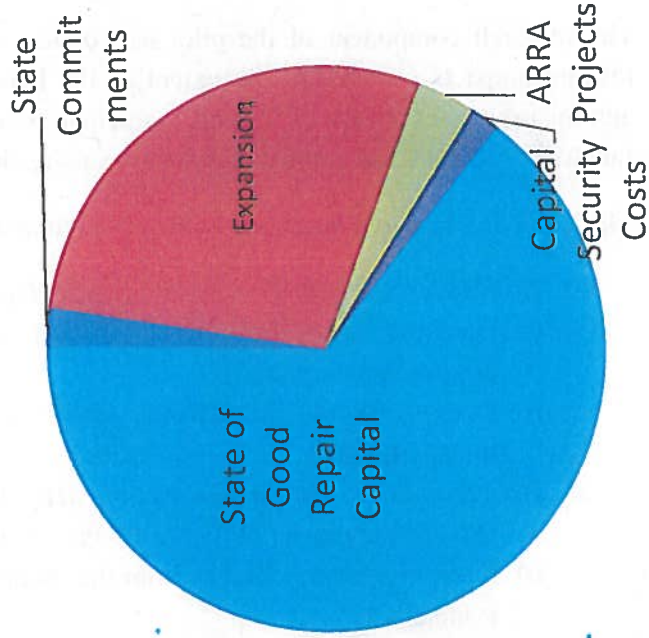
Financial (Capital)



FY15 Capital Budget Revenue	
MBTA Bonds (debt)	13,321,256
Federal Funds	515,996,144
MBTA Match (debt)	128,999,036
MBTA Cash	6,473,141
ARRA funding	44,116,341
Homeland Security Grants	21,224,117
State Commitments	28,405,070
State Bond Bill	533,548,286
Total	1,292,083,391



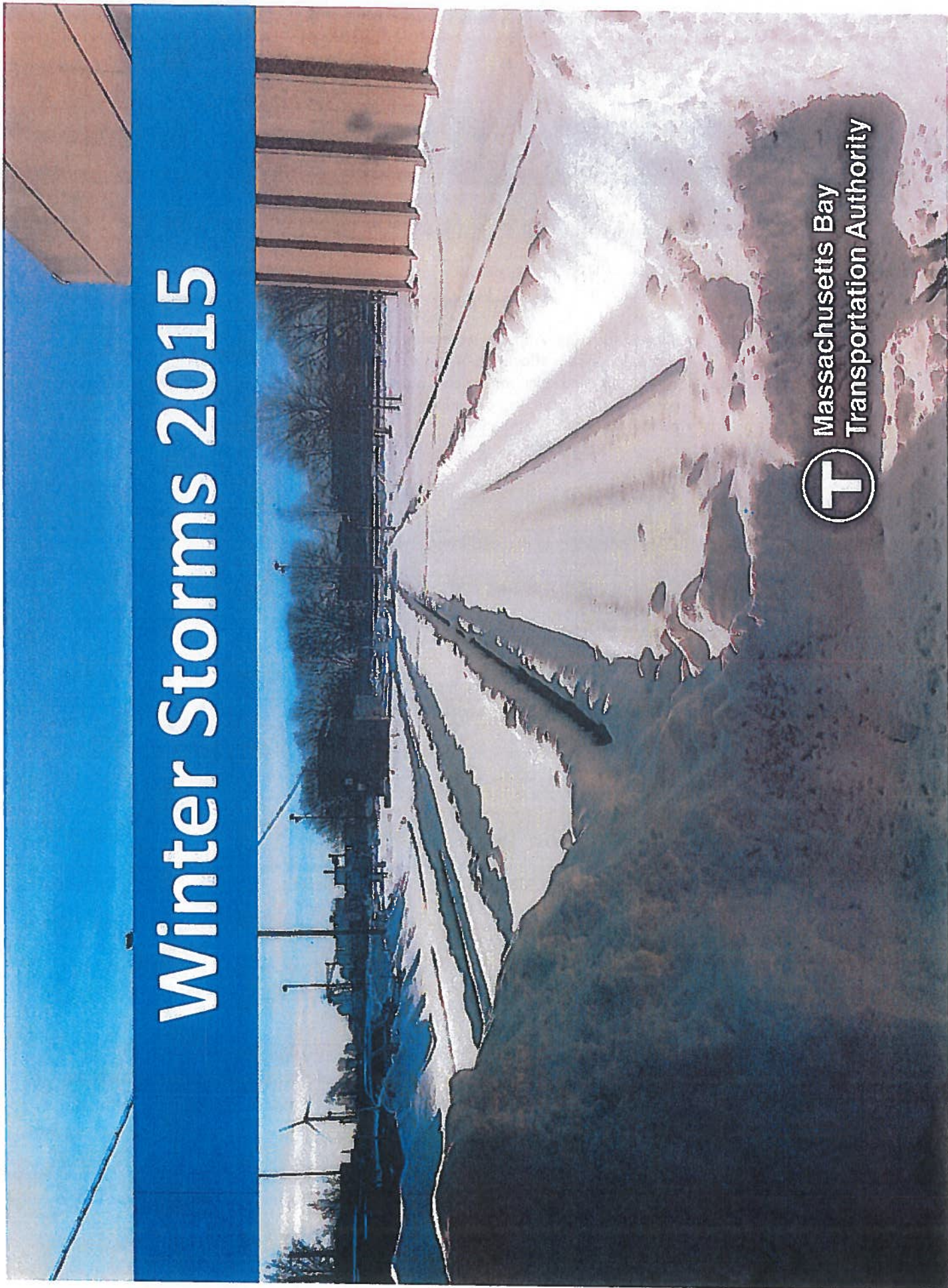
Budgeted Expenditure FY15	
State of Good Repair Capital	\$832,442,402
Expansion	\$365,895,461
ARRA Projects	\$44,116,341
State Commitments	\$28,405,070
Capital Security Costs	\$21,224,117
Total	\$1,292,083,391



Winter Storms 2015

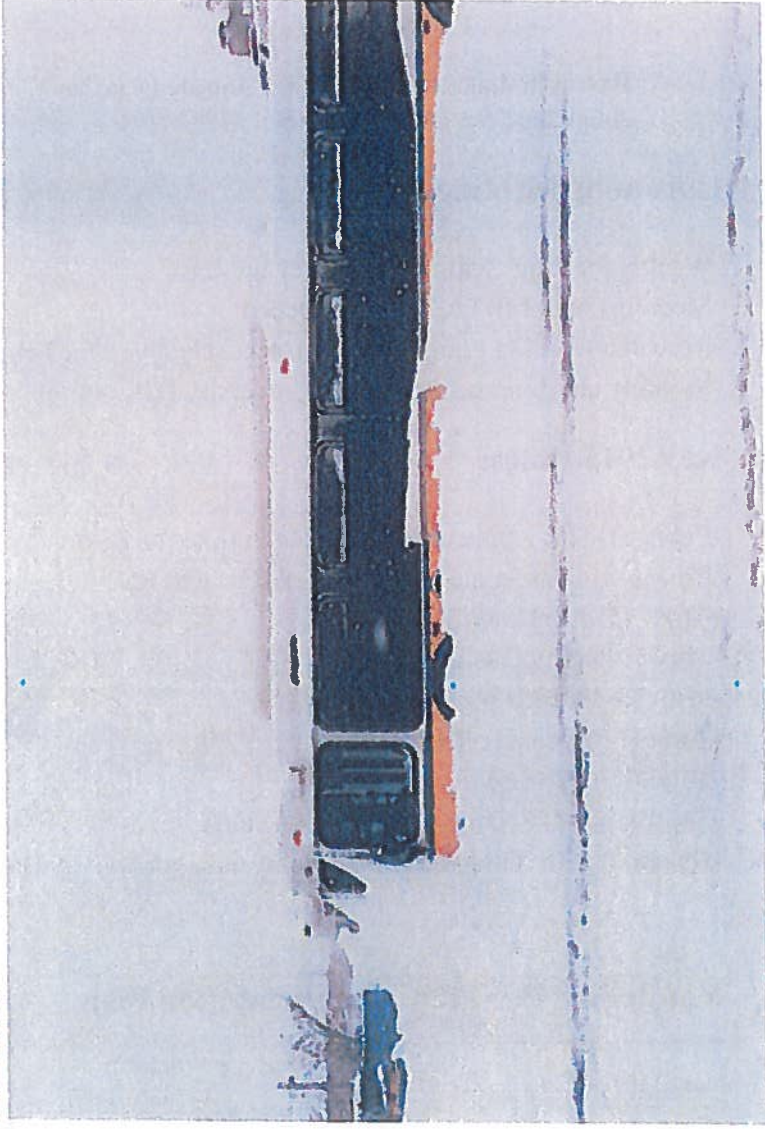


Massachusetts Bay
Transportation Authority



The "T's" Infrastructure & Equipment

- 124 Heavy Rail And Light Rail Stations
- 8,800 Bus Stops
- 137 Commuter Rail Stations
- 1,050 Signals
- 895 Switches
- 80 Interlockings
- 846 Miles Of Track
- 740 Bus Route Miles
- 10 Bus Yards And Shops
- 7 Subway Facilities
- 3 Commuter Rail Facilities
- 2,660 Revenue Vehicles

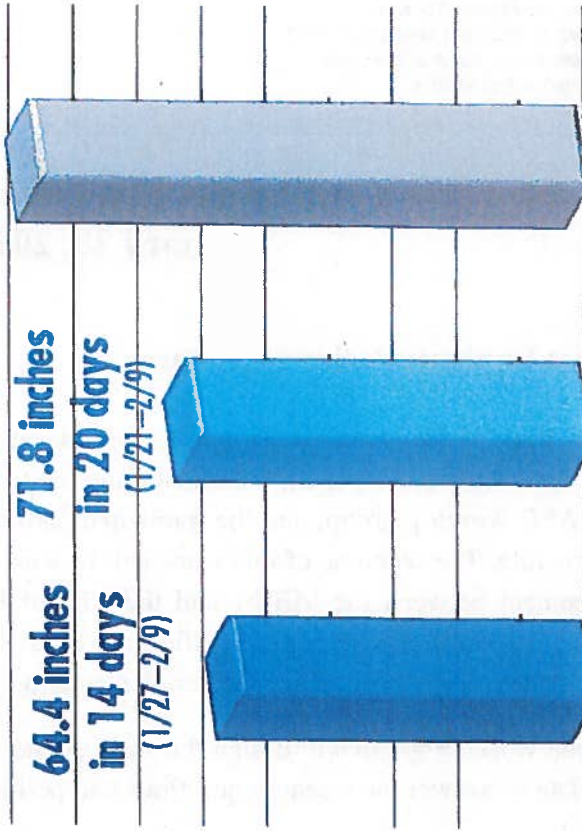


Four Major Storms In Three Weeks



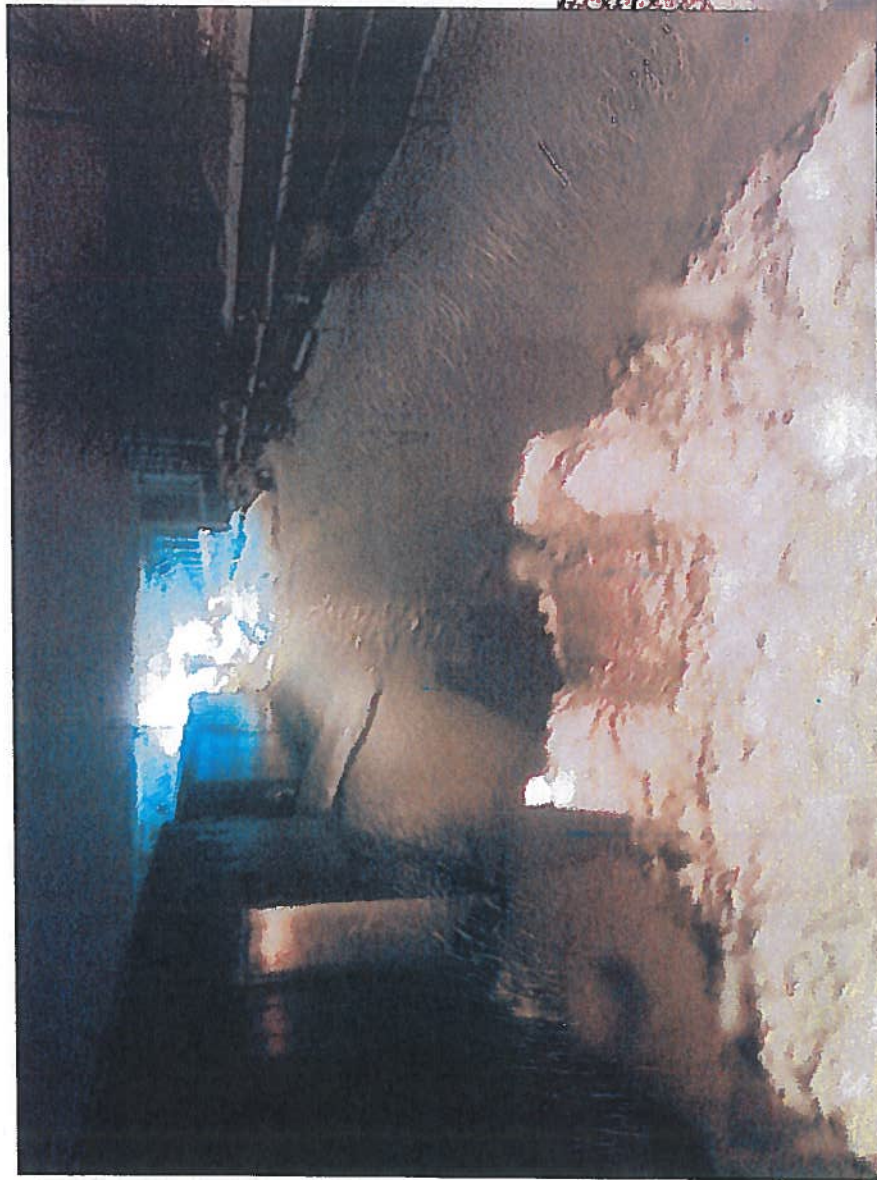
Historic Snowfalls

99.9 inches to date

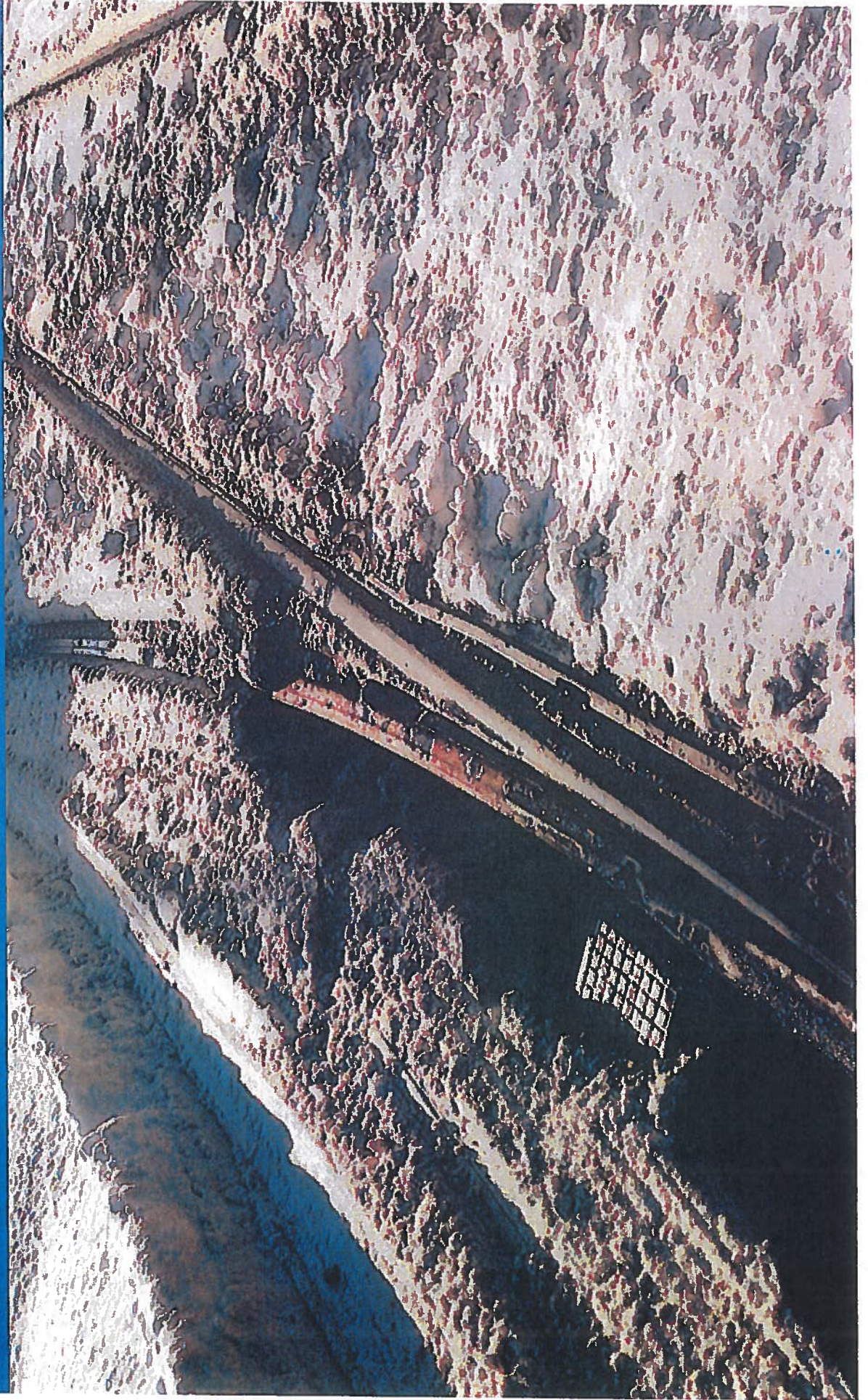


SOURCE: National Weather Service





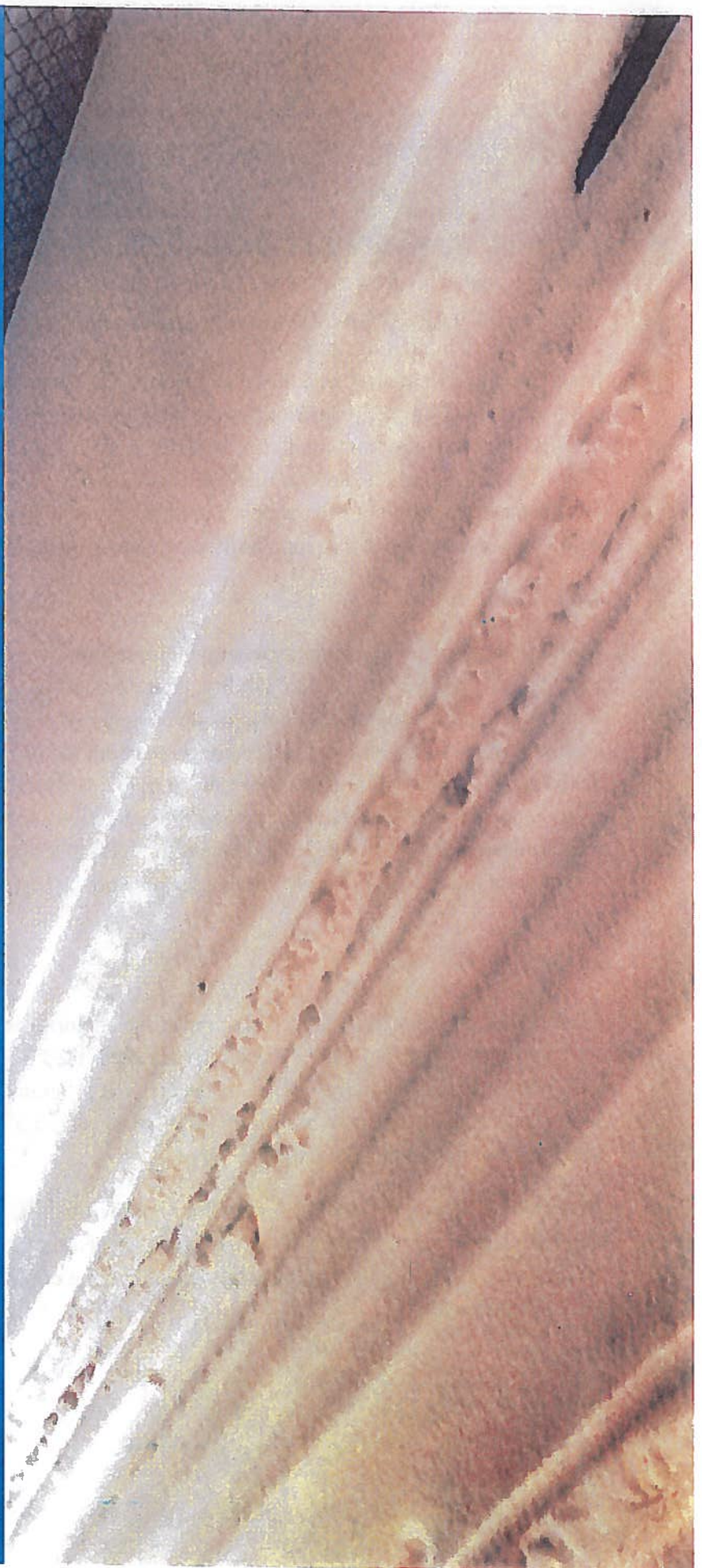
Switches

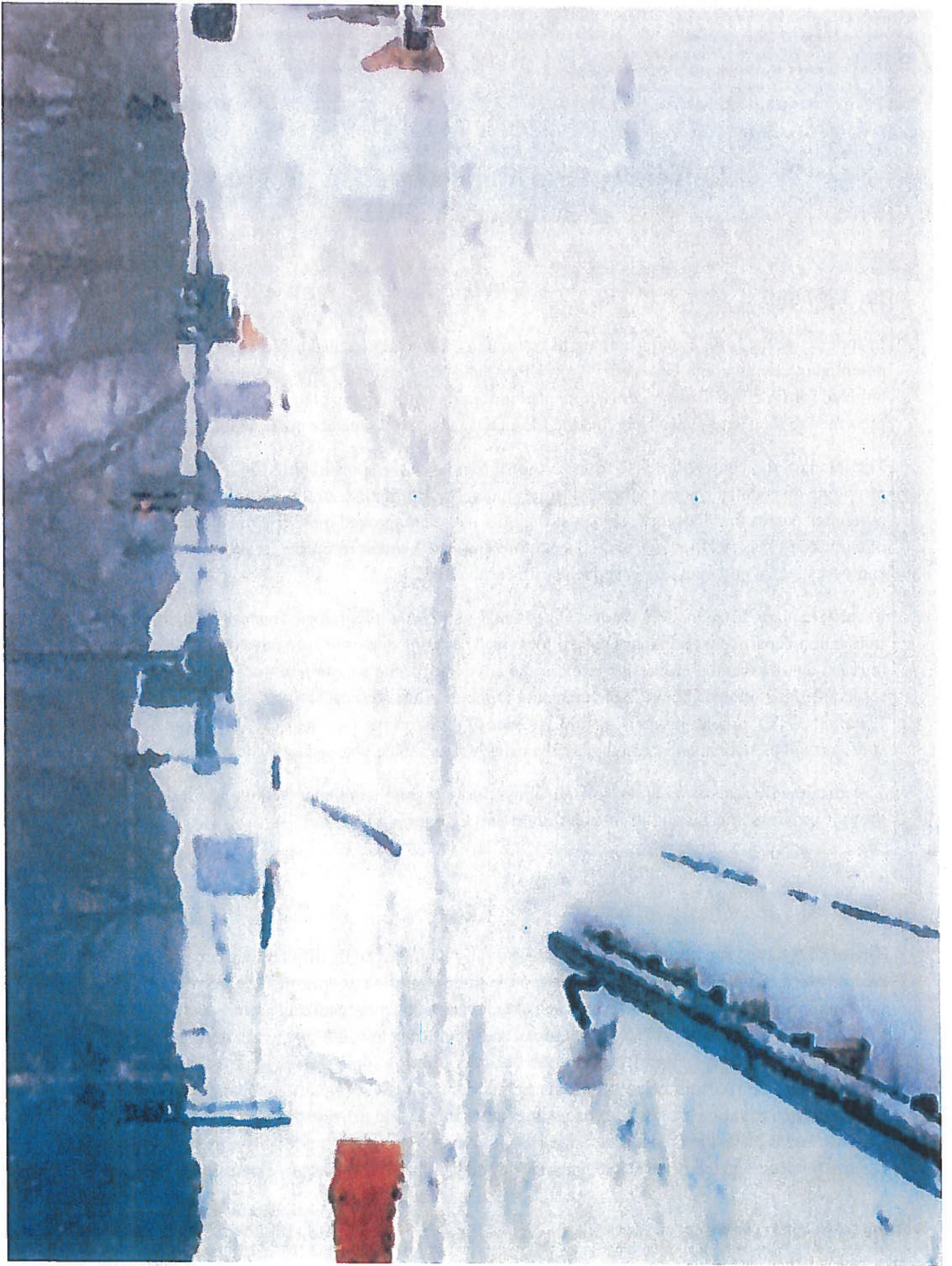




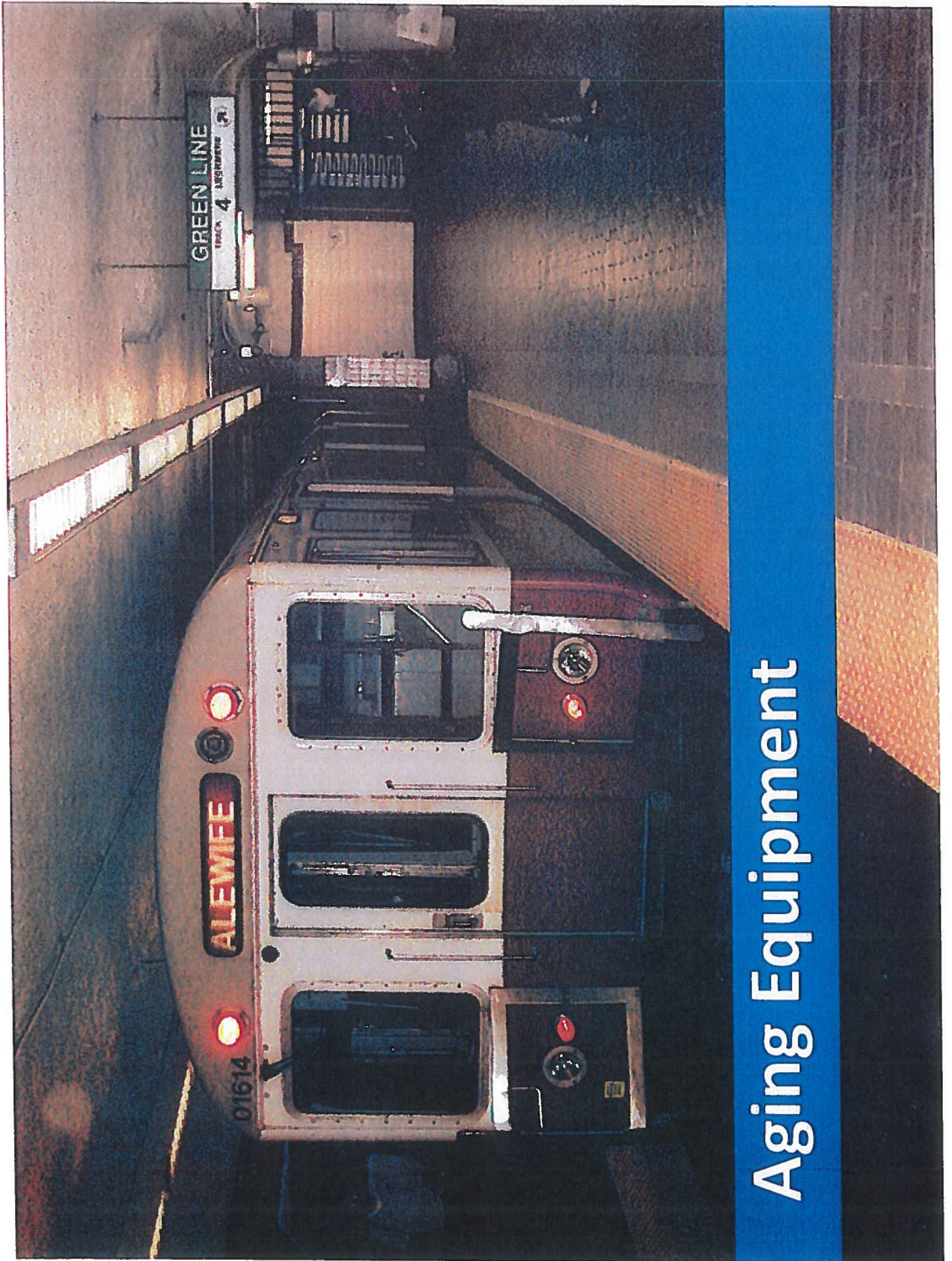


Third Rail









Aging Equipment





Traction Motors



Doors





**Passengers Evacuate A
Stalled Red Line Train**





Evacuated Customers Board Shuttle Bus



Massachusetts
Executive Office for
Administration & Finance



Massachusetts
Department of
Corrections



MBTA Winter Storm Response and Recovery

Partnering to Restore and Reclaim Service

Line by Line

Station by Station

Train by Train

Switch by Switch

Passenger by Passenger



New York City Transit

Our Recovery Strategy



Expand Support Network

Facing historic snow accumulations, the transit system faced challenges that would take significant time (too long) to overcome without sizeable additional resources.

Many organizations came to the aid of the MBTA to support this recovery effort including;

- The Office of the Governor
- Massachusetts Emergency Management Agency (MEMA)
- The Executive Office of Administration and Finance
- Executive Office of Labor and Workforce
- Department of Transportation
- Department of Corrections
- National Guard
- Area Contractors
- Peter Pan Bus Lines
- The New York Transit System



Quickly Plan The Response And Set Aggressive Targets

Collective emergency response planning quickly and efficiently

- 1. Identified the critical needs*
- 2. Inventory available and needed resources*
- 3. Set aggressive recovery targets to restore service*
- 4. Mobilized resources to most efficiently bring back services*



Keeping Our Customers Informed

- Updates released to the media on constant basis
- Mbta.com/winter – service update page
- T-alerts
- Digital display ads with up-to-minute service information on 80 screens in 7 core stations



Open Now:

- Blue Line
- Orange Line
- Red Line from Airport to Ashmont
- Silver Line
- Green Line C Branch
- Green Line D Branch

Line	Opening Date	Final Station
Orange Line	85%	8-9 stations
Red Line	70%	1-4 stations
Green Line	91%	6-7 stations
Silver Line	65%	4-4 stations

* Previously Closed Station Now

Severe Weather
MBTA Service for Monday, February 23, 2015

Line By Line

SILVER
 South to Airport (Intermittent).
 South to Downtown Crossing (Intermittent).
 Arrives every 15 to 20 minutes between 6:00am and 7:00am.
 (Airport) Peak Hours: 6:00am - 9:00am

ORANGE
 Commuter service to 8 stations every 15 minutes.
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 Arrives every 15 to 20 minutes between 6:00am and 7:00am.

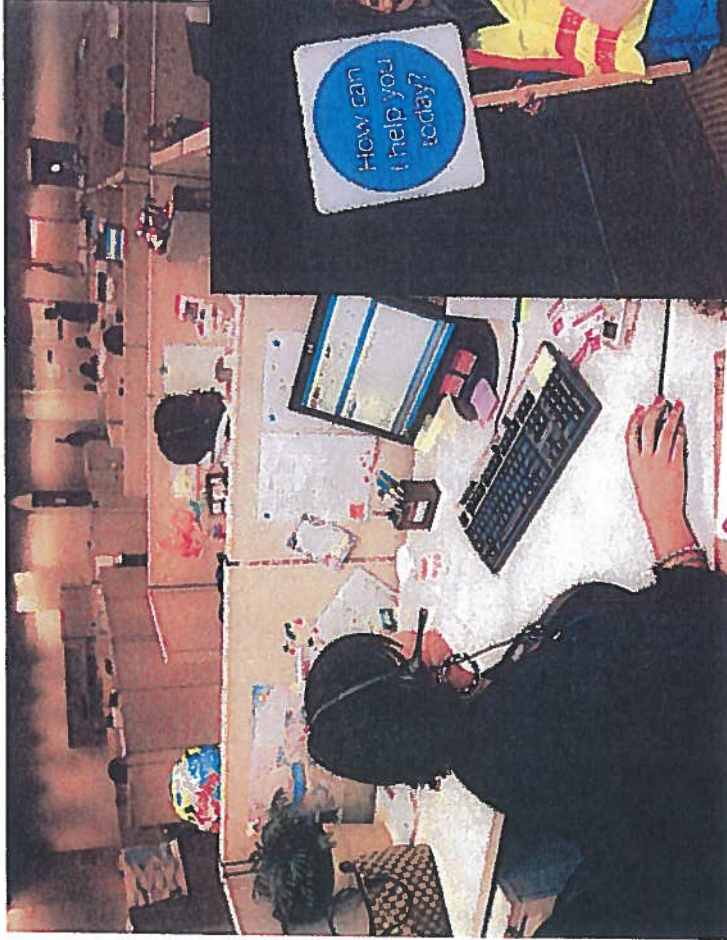
GREEN
 Commuter service to 8 stations every 15 minutes.
 Commuter service to 8 stations every 15 minutes.
 Arrives every 15 to 20 minutes between 6:00am and 7:00am.

RED
 Airport to Airport (Intermittent).
 Airport to Downtown Crossing (Intermittent).
 Arrives every 15 to 20 minutes between 6:00am and 7:00am.
 (Airport) Peak Hours: 6:00am - 9:00am

BLUE
 Commuter service to 8 stations every 15 minutes.
 Commuter service to 8 stations every 15 minutes.
 Arrives every 15 to 20 minutes between 6:00am and 7:00am.

Enhance customer support

- Partnered with City of Boston “211” call center to support increased call volume
- Deployed MBTA Snow Recovery Ambassadors in key stations to provide travel assistance





6,350 Dedicated Employees Serving With Pride

