

# Boston-Massachusetts Bay Transportation Authority (MBTA)

10 Park Plaza  
Boston, MA 02116  
(617)222-5176

Chief Executive Officer: Robert H. Prince,  
General Manager  
ID Number: 1003

## System Wide Information

## Modal Information

### General Information

#### Urbanized Area (UZA) Statistics - 1990 Census

<b>Boston, MA</b>	
Square Miles	891
Population	2,775,370
Population Ranking Out of 405 UZA's	10
Other UZA's Served:	38, 82, 111

#### Service Area Statistics

Square Miles	1,038
Population	2,602,487

#### Service Consumption

Annual Passenger Miles	1,373,803,945
Annual Unlinked Trips	319,705,436
Average Weekday Unlinked Trips	1,045,061
Average Saturday Unlinked Trips	598,804
Average Sunday Unlinked Trips	407,043

#### Service Supplied

Annual Vehicle Revenue Miles	81,252,871
Annual Vehicle Revenue Hours	4,930,939
Total Fleet	2,430
Vehicles Operated in Maximum Service	1,967
Base Period Requirement	1,029

#### Vehicles Operated in Maximum Service

	Directly Operated	Purchased Transportation
Bus	765	90
Heavy Rail	325	0
Commuter Rail	0	308
Demand Response	0	304
Light Rail	141	0
Trolleybus	23	0
Ferryboat	0	11
<b>Total</b>	<b>1,254</b>	<b>713</b>

### Financial Information

#### Sources of Operating Funds Expended

Passenger Fares	\$214,755,551
Local Funds	128,170,098
State Funds	372,985,100
Federal Assistance	6,316,525
Other Funds	16,688,436
<b>Total Operating Funds Expended</b>	<b>\$738,915,710</b>

#### Summary of Operating Expenses

Salaries/Wages/Benefits	\$342,777,910
Materials & Supplies	23,064,154
Purchased Transportation	145,025,706
Other Operating Expenses	63,264,393
<b>Total Operating Expenses</b>	<b>\$574,132,163</b>

#### Reconciling Cash Expenditures

\$176,919,857

#### Sources of Capital Funds Expended

Local Funds	\$301,679,004
State Funds	0
Federal Assistance	308,880,194
<b>Total Capital Funds Expended</b>	<b>\$610,559,198</b>

#### Uses of Capital Funds

	Rolling Stock	Facilities and Other	Total
Bus	\$18,061,355	\$6,944,406	\$25,005,761
Heavy Rail	1,689,804	55,433,582	57,123,386
Commuter Rail	20,584,023	386,512,582	407,096,605
Demand Response	1,568,205	0	1,568,205
Light Rail	71,025,748	16,451,919	87,477,667
Trolleybus	0	31,243,213	31,243,213
Ferryboat	0	1,044,361	1,044,361
<b>Total</b>	<b>\$112,929,135</b>	<b>\$497,630,063</b>	<b>\$610,559,198</b>

### Characteristics

	Bus	Heavy Rail	Commuter Rail	Light Rail
Operating Expense	\$188,281,317	\$160,478,568	\$114,374,742	\$78,450,303
Capital Funding	\$25,005,761	\$57,123,386	\$407,096,605	\$87,477,667
Annual Passenger Miles	286,703,287	393,908,391	517,434,782	145,523,257
Annual Vehicle Revenue Miles	27,119,123	22,933,914	17,044,374	5,434,464
Annual Unlinked Trips	105,731,163	113,714,894	27,813,050	66,999,658
Average Weekday Unlinked Trips	350,345	369,865	99,677	205,823
Annual Vehicle Revenue Hours	2,306,439	1,042,451	540,750	362,298
Fixed Guideway Directional Route Miles	2.4	75.8	575.0	55.9
Total Fleet	1,070	408	346	173
Average Fleet Age in Years	7.0	14.9	8.3	14.2
Vehicles Operated in Maximum Service	855	325	308	141
Peak to Base Ratio	1.3	2.0	2.0	1.7
Percent Spares	25%	26%	12%	23%

### Performance Measures

#### Service Efficiency

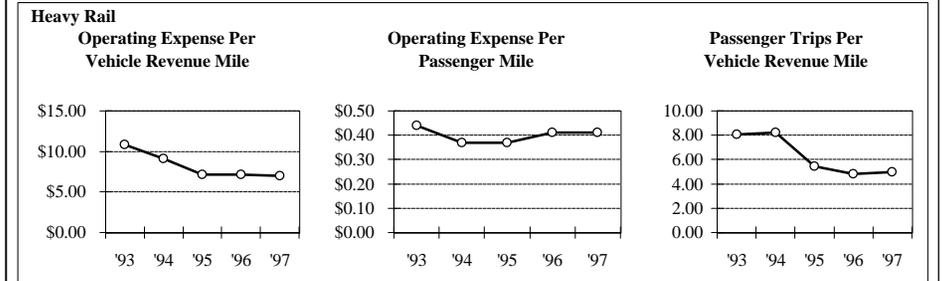
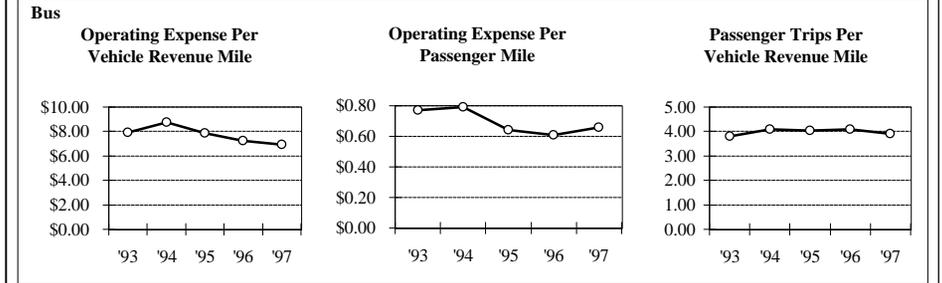
Operating Expense/Vehicle Revenue Mile	\$6.94	\$7.00	\$6.71	\$14.44
Operating Expense/Vehicle Revenue Hour	\$81.63	\$153.94	\$211.51	\$216.54

#### Cost Effectiveness

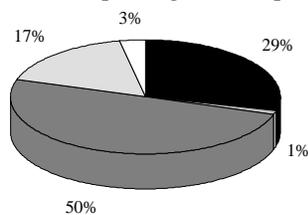
Operating Expense/Passenger Mile	\$0.66	\$0.41	\$0.22	\$0.54
Operating Expense/Unlinked Passenger Trip	\$1.78	\$1.41	\$4.11	\$1.17

#### Service Effectiveness

Unlinked Passenger Trips/Vehicle Revenue Mile	3.90	4.96	1.63	12.33
Unlinked Passenger Trips/Vehicle Revenue Hour	45.84	109.08	51.43	184.93



#### Sources of Operating Funds Expended



#### Legend

Fares	■
Federal	■
State	■
Local	■
Other	■

#### Sources of Capital Funds Expended

