Item 27B

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Metro Rail Operations Report September 2008



Metro Rail – Weekday Boarding Trends

	July 2008	FY08	%
– Blue Line	86,596	75,427	14.8%
– Green Line	46,527	38,091	22.1%
– Gold Line	27,019	20,347	32.8%
– Red/Purple Lines	159,439	134,448	18.6%
– Total Rail System	319,581	268,313	19.1%

* All time weekday boarding records on all lines.



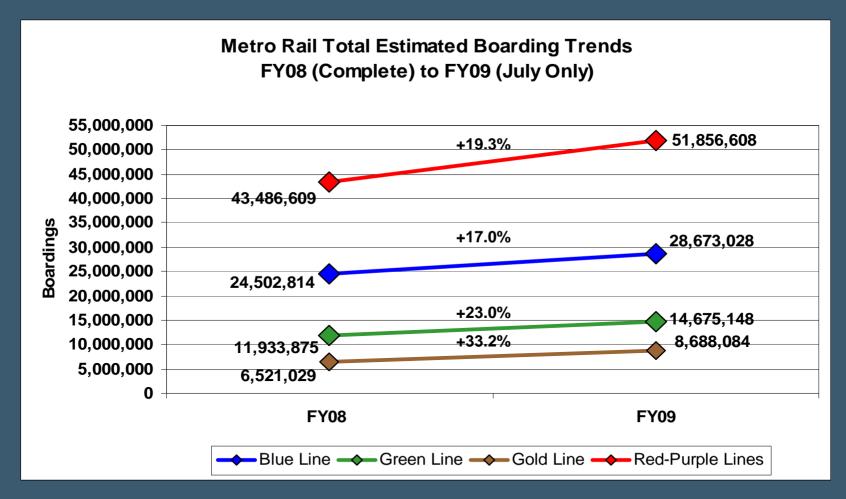
Metro







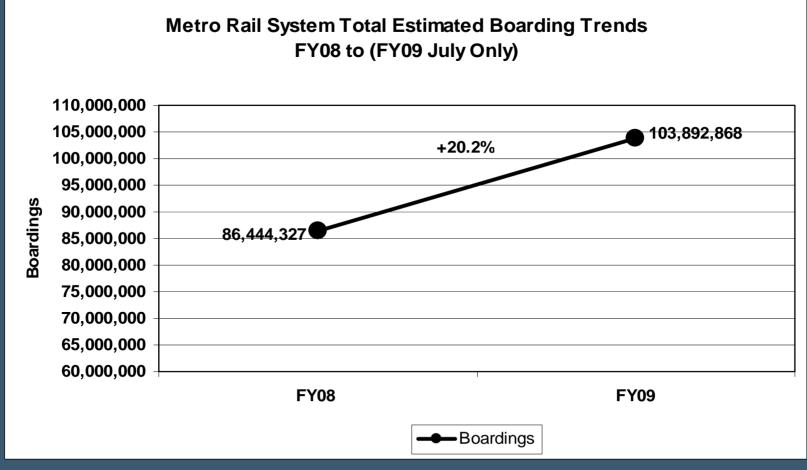
Metro Rail – FY09 Boarding Trends





Metro Rail – FY09 Boarding Trends

If July boarding estimates are extended for the year:





Six AnsaldoBreda Cars In Service





Gold Line Eastside Extension Preparation

- Rail Activation Team is Fully Engaged
- Live Testing will begin in January
- Pre-Revenue will Begin May 1st
- ROD on June 26th
- Rail Transportation Instruction is currently training the first of three Train Operator Classes (8-week courses)



Rebuilding Engineering Efforts

- Blue and Red Rail Vehicles
- Red/Green Scada Replacement
- Upgrading Radio System
- Blue Line Systems Replacements



Rail Rebuilding Programs

- The complete overhaul of 30 Heavy Rail Subway Cars and 69 Light Rail Cars, Including Propulsion, HVAC, Auxiliary Power, Friction Brakes, Train Control, Air Compressors, & Door Controls
- Traction Motor Overhauls
- Gearbox Overhauls



Consumables

- Seat Cleaning
- Air Filters
- Brake Pads
- Carbon Strips
- Collector Shoes
- Gear Oil
- Florescent Bulbs









METRO RAIL SCADA SYSTEMS

RED LINE	OPENED	1993
	STATIONS	16 (ALL UNDERGROUND)
	NUMBER OF MILES	17.4
	FLEET SIZE	104
	TOTAL ANNUAL BOARDINGS	44 MILLION
	COST OF RAIL SYSTEM	4.5 BILLION
	SCADA SUPPLIER	ARINC
	SUBSYSTEMS MONITORED AND CONTROLLED	TRAIN CONTROL, TRACTON POWER, EMERGENCY VENTILATION, FIRE/WATER PROTECTION, GAS DETECTION, STATION FACILITIES

GREEN LINE

OPENED	1995
STATIONS	14
NUMBER OF MILES	20
FLEET SIZE	34
TOTAL ANNUAL BOARDINGS	12 MILLION
COST OF RAIL SYSTEM	718 MILLION
CENTRAL ATC SUPPLIER	UNION SWITCH & SIGNAL
SUBSYSTEMS MONITORED AND CONTROLLED	TRAIN CONTROL



Meet FCC Mandate to Narrowband by 2013

- 32 Radio Channels
 - 6 Metro Operations, 8 LAFD, 6 LAPD, 4 LASD, 3 Metro Security
- 353 Transmitter
- 379 Receiver
- 90 Miles of MRL Radio Antenna System
- 450 Mobile Radio Units
- 1,375 Portable Radio Units



Metro Blue Line Systems Rehabilitation

- Traction Power
 - Replacement of 20 traction substations
 - Rehabilitation of trolley wire systems in downtown
 LA and Long Beach
- Train Control
 - Upgrade of entire cab signal territory (c. 17 miles) from relay to solid-state train control
- Systemwide
 - Cut in of up to four additional interlockings
 - Scope includes track, train control & OCS





Rail Operations – Blue Line Grade Crossings

- August 15-16-17 Grade crossing rehabilitation at 55th St. Single track operations between Washington and Florence throughout the weekend; 20-minute headways (completed).
- September 19-20-21 Grade crossing rehabilitation at 41st St. Single track operations between Washington and Florence throughout the weekend; 20-minute headways.
- October 17-18-19 Grade crossing rehabilitation at 92nd St. Single track operations between Imperial and Florence throughout the weekend; 20-minute headways.

