



Rail Fleet Services Monthly Report September 2007



Metro

Table of Contents

- Safety
 - Industrial Injuries Page 3
 - Rail Vehicle Accidents & Major Incidents Page 4
- Customer Service
 - Service Delivery – AM/PM Pull-Outs Page 5
 - Mean Miles Between Failures (Major) Page 6
- Business Processes
 - Incident Problems & Locations
 - Blue & Red Lines Page 7
 - Incident Problems & Locations
 - Green & Gold Lines Page 8
 - Preventative Maintenance Compliance Page 9
- Finance
 - Vandalism & Graffiti Costs Page 10
 - Material & Labor Costs Page 11
 - Cost per mile Page 12
- Growth
 - Rail Fleet Service Training Page 13

Industrial Injuries – Lost Work Hours

	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	184	176	168	184	120	144	120	21	0	0	72	48
Red Line	16	8	0	0	152	224	336	304	200	264	272	168
Green Line	104	176	160	176	64	0	0	0	0	0	0	0
Gold Line	176	128	328	376	320	216	264	288	392	264	368	328
Totals	480	488	656	736	656	584	720	613	592	528	712	544

September 2007 Lost Work Hours

Blue Line – 112 Assigned Employees (107 Active)

- Service Attendant – 48 hours

Red Line – 110 Assigned Employees (103 Active)

- Maintenance Specialist – 168 hours

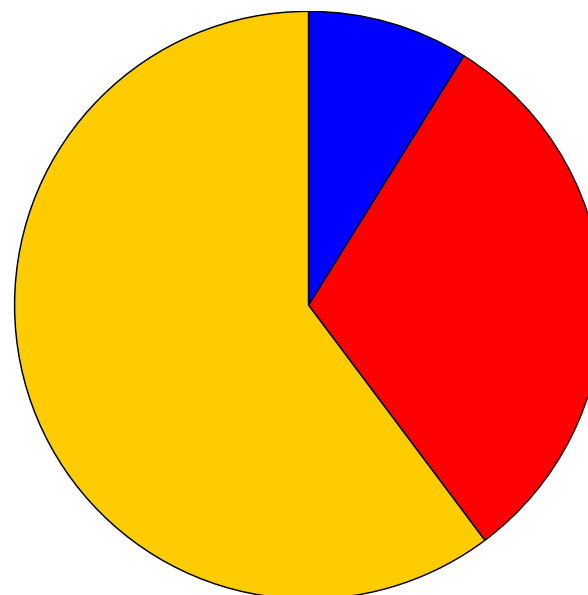
Green Line – 45 Assigned Employees (44 Active)

Gold Line – 46 Assigned Employees (42 Active)

- Maintenance Specialist – 152 hours
- Service Attendant – 176 hours

Total Lost Work Hours for Sept 2007 – 544 hours

September 2007 Lost Work Hours



■ Blue Line ■ Red Line ■ Gold Line

Rail Vehicle Accidents & Major Incidents

	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	\$0	\$1,360	\$48,543	\$1,236	\$1,027	\$1,485	\$6,869	\$57	\$9,551	\$4,652	\$67,854	\$7,532
Red Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gold Line	\$2,066	\$0	\$1,765	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,925
Green Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$2,066	\$1,360	\$50,308	\$1,236	\$1,027	\$1,485	\$6,869	\$57	\$9,551	\$4,652	67,854	\$41,457

Sept. 2007 Rail Vehicle Accidents & Major Incidents

Blue Line

- Sept. 5, Train vs. Pedestrian, Firestone Station, Los Angeles, Car 162 (\$344)
- Sept. 7, Train vs. Ambulance, Washington & Santee, Los Angeles, Car 137 (\$107)
- Sept. 11 Train vs. Trash Can, 103rd Street, Los Angeles, Car 136 (\$0)
- Sept. 13, Train vs. Pedestrian, Wilmington Ave, Los Angeles, Car 104 (\$1,054)
- Sept. 15, Train vs. Auto, Flower & Pico, Los Angeles, Car 111 (\$1,053)
- Sept 17, Train vs. Auto, Flower & 18th St., Los Angeles, Car 159 (\$3,452)

Gold Line

- Sept. 11, Train vs. Truck, Marmion Way & Ave. 55, Los Angeles, Car 248 (\$30,683)
- Sept. 21, Train vs. Auto with fire, Ave. 50, Los Angeles, Car 243 (\$3,242) **



Sept. 11, 2007
Gold Line, Car 248



Sept. 21, 2007
Gold Line, Car 243



** Individual accident repair costs are not available until after the repairs have been completed. The repairs on the September 21st Gold Line accident are expected to take at least six months to complete. The monthly accident charges list above only represent only the expenses incurred in that particular month and are not a total repair of an individual accident.

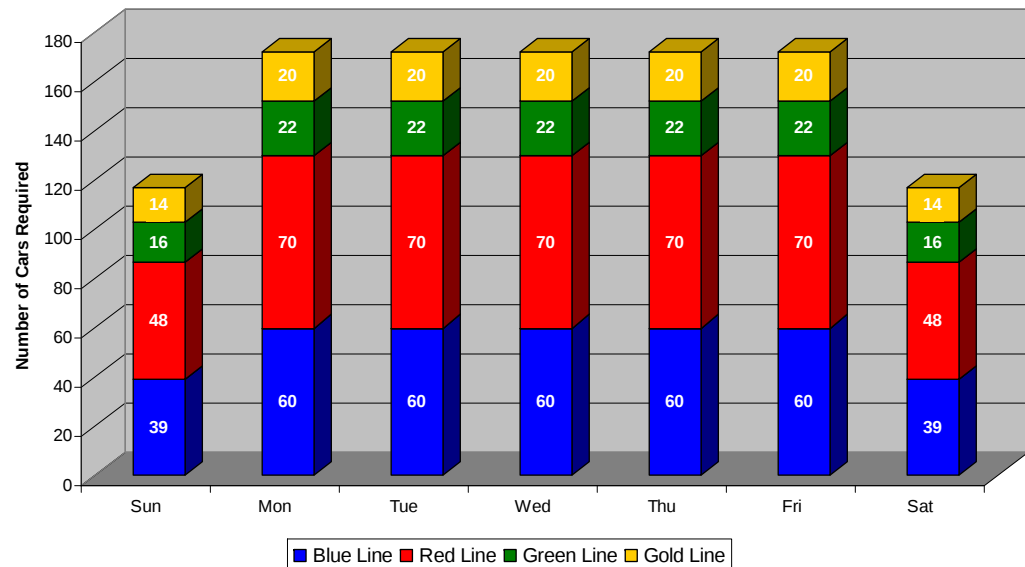
Service Delivery – AM/PM Pull-Outs

Cars Available for AM/PM Pull-Outs

	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Red Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Green Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Gold Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

- **Blue Line – Fleet Size 69 cars**
 - Weekday pull-out: 60 cars
 - Weekend pull-out: 39 cars
 - **Monthly Mileage: 402,789 miles**
- **Red Line - Fleet Size 104 cars**
 - Weekday pull-out: 70 cars
 - Weekend pull-out: 48 cars
 - **Monthly Mileage: 546,263 miles**
- **Green Line – Fleet Size 28 cars**
 - Weekday pull-out: 22 cars
 - Weekend pull-out: 16 cars
 - **Monthly Mileage: 216,590 miles**
- **Gold Line – Fleet Size 24 cars**
 - Weekday pull-out: 20 cars
 - Weekend pull-out: 14 cars
 - **Monthly Mileage: 132,364 miles**

AM/PM Pull-Out Requirements



Mean Miles Between Failures (Major)

September 2007

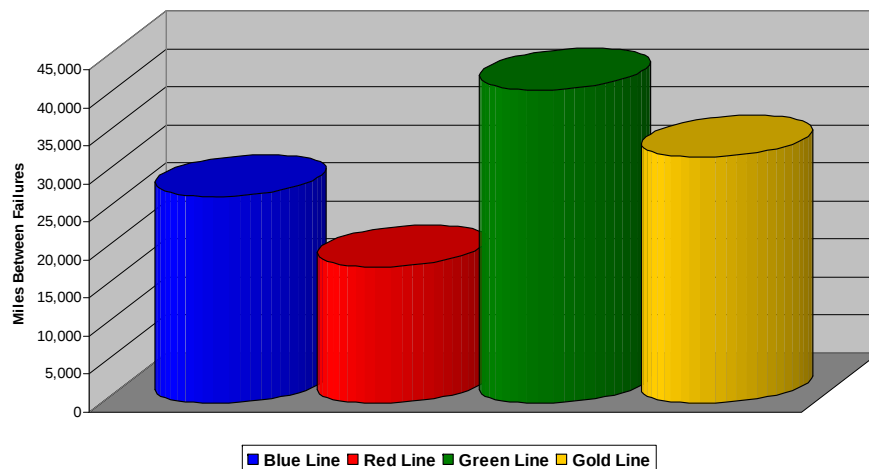
FTA Major Failures

Blue Line: 27,236 miles (15 FTA Major Failures)

Red Line: 18,005 miles (29 FTA Major Failures)

Gold Line: 32,355 miles (4 FTA Major Failures)

Green Line: 41,244 miles (5 FTA Major Failures)



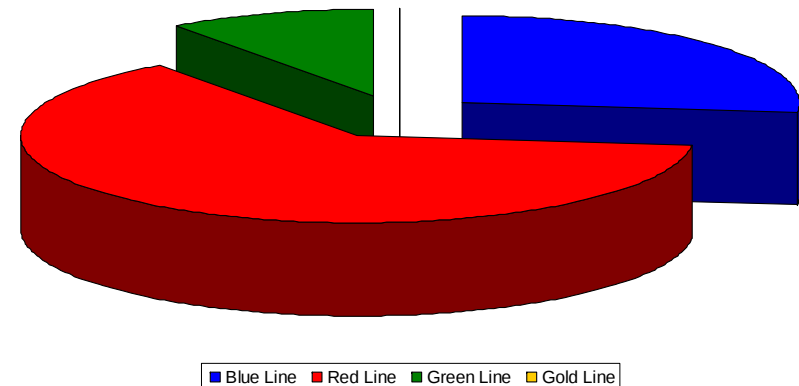
Repeat Failures

Blue Line: 16 Repeat Failures

Red Line: 38 Repeat Failures

Green Line: 6 Repeat Failures

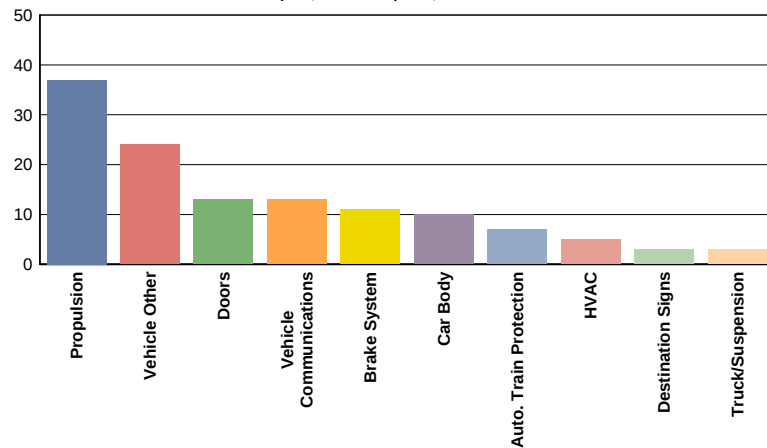
Gold Line: 0 Repeat Failures



Incident Problems & Locations – Blue & Red Lines

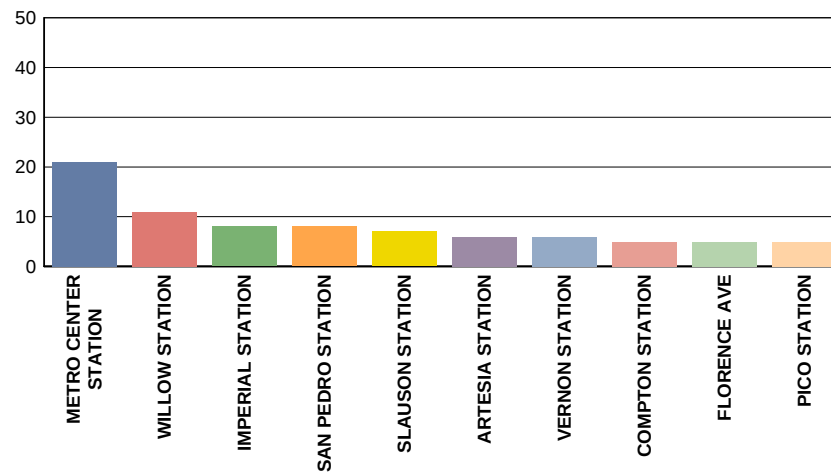
Count of Top 10 Incident Problem Codes

Sept. 1, 2007 to Sept. 30, 2007 Blue Line



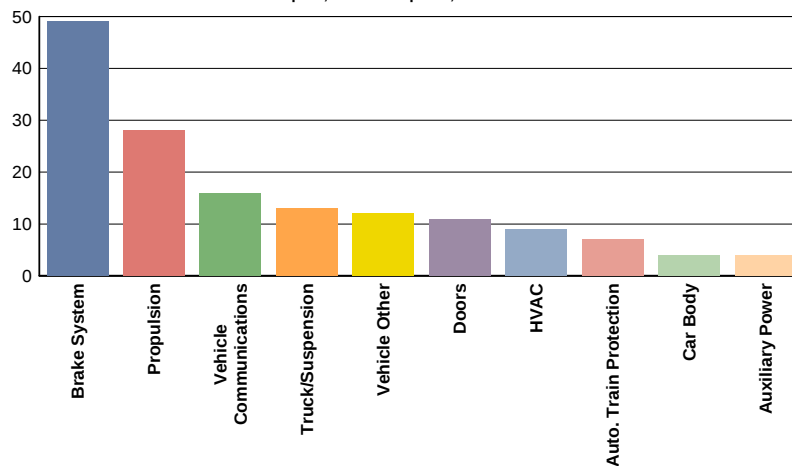
Count of Top 10 Rail Vehicle Incidents by Location

Sept. 1, 2007 to Sept. 30, 2007 Blue Line



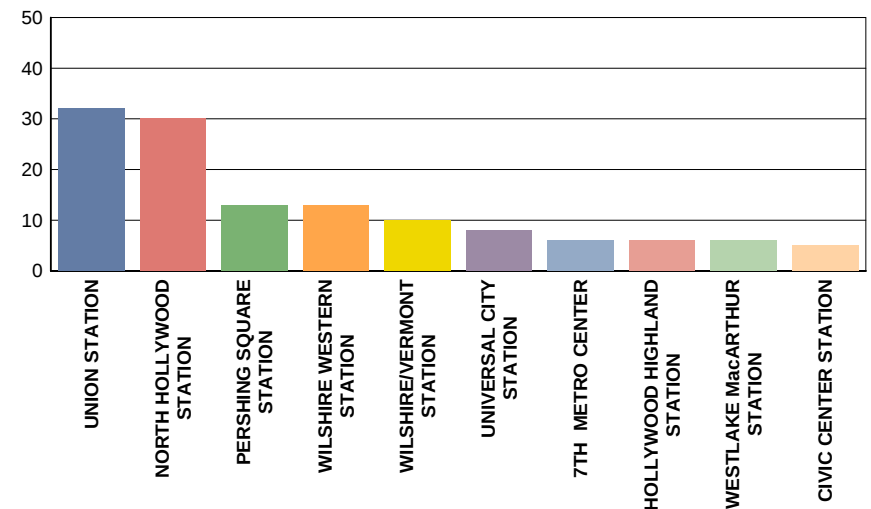
Count of Top 10 Incident Problem Codes

Sept. 1, 2007 to Sept. 30, 2007 Red Line



Count of Top 10 Rail Vehicle Incidents by Location

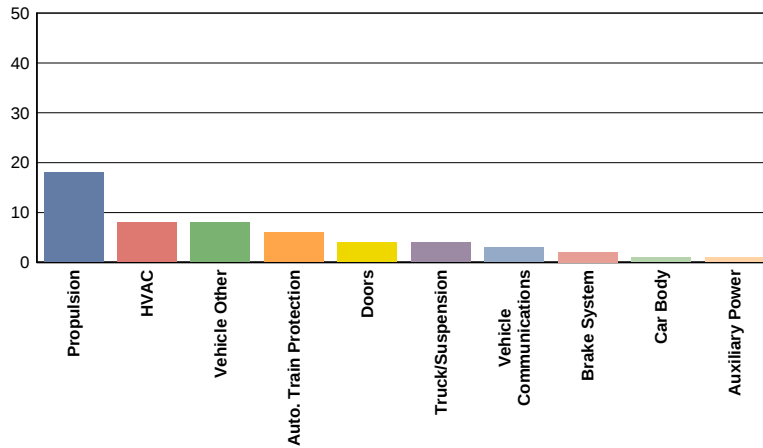
Sept. 1, 2007 to Sept. 30, 2007 Red Line



Incident Problems & Locations – Green & Gold Lines

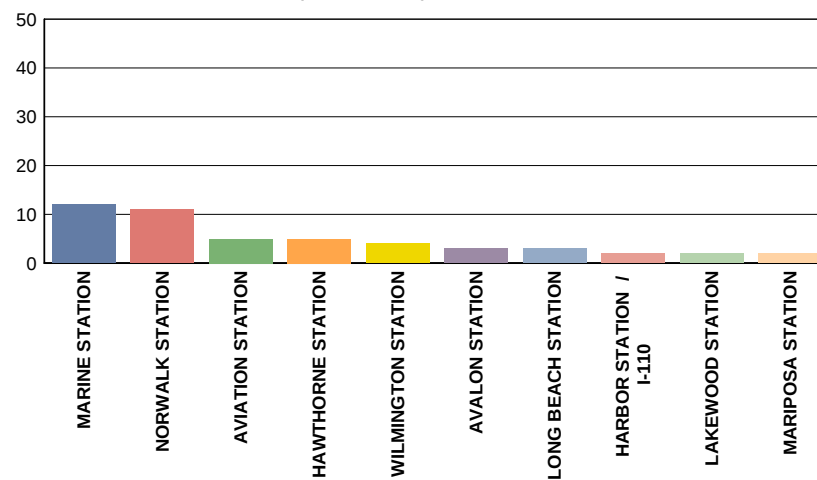
Count of Top 10 Incident Problem Codes

Sept. 1, 2007 to Sept. 30, 2007 Green Line



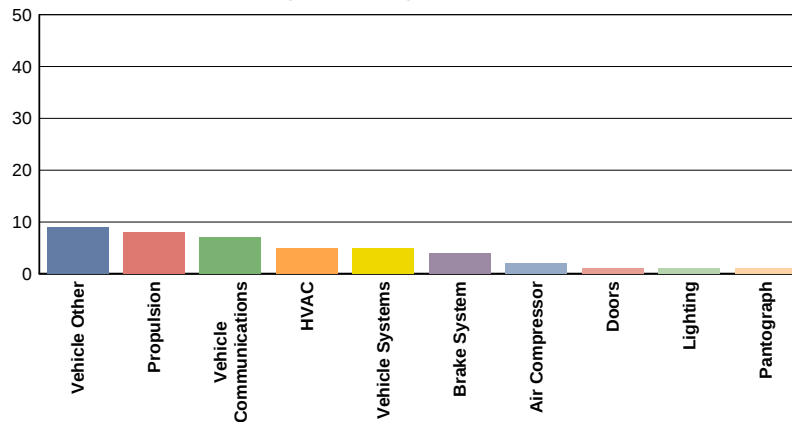
Count of Top 10 Rail Vehicle Incidents by Location

Sept. 1, 2007 to Sept. 30, 2007 Green Line



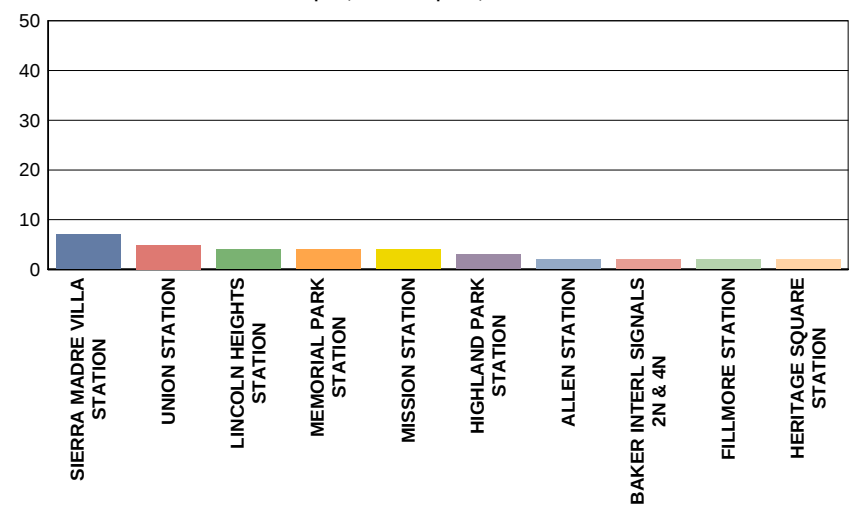
Count of Top 10 Incident Problem Codes

Sept. 1, 2007 to Sept. 30, 2007 Gold Line



Count of Top 10 Rail Vehicle Incidents by Location

Sept. 1, 2007 to Sept. 30, 2007 Gold Line



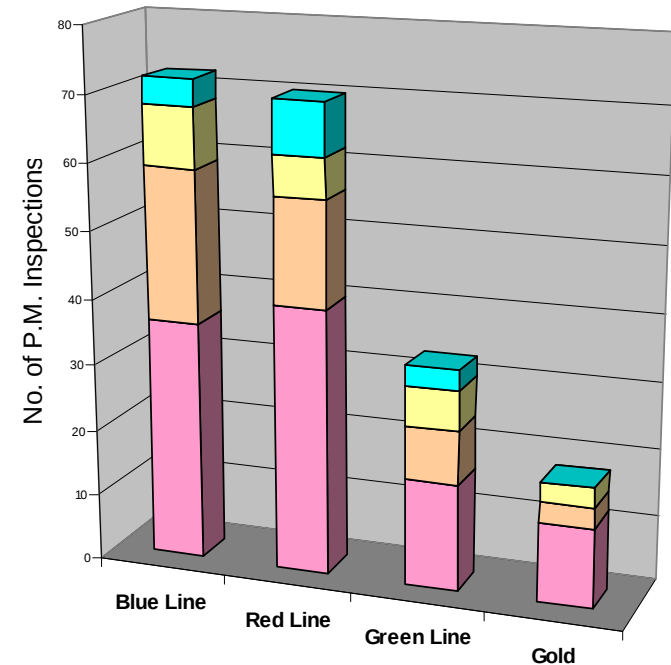
Preventative Maintenance Compliance

	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Red Line	100%	100%	100%	100%	100%	100%	97%	100%	100%	100%	100%	100%
Green Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Gold Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Sept. 2007 Preventative Maintenance Inspections

No. of P.M. Inspections	5K	10K	20K	60K	Totals
Blue Line	36	23	9	4	72

No. of P.M. Inspections	7K	14K	28K	84K	Totals
Red Line	40	16	6	8	70
Gold Line	16	8	6	3	33
Green Line	12	3	3	0	18



Vandalism & Graffiti Report

	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	\$59,783	\$69,327	\$71,482	\$62,198	\$72,185	\$56,911	\$36,165	\$22,571	\$33,340	\$41,364	\$41,364	\$54,873
Red Line	\$20,779	\$16,418	\$35,928	\$17,487	\$16,387	\$11,893	\$12,098	\$17,357	\$21,464	\$11,906	\$11,906	\$11,645
Green Line	\$32,183	\$37,306	\$14,351	\$33,319	\$32,943	\$26,026	\$29,903	\$25,863	\$28,478	\$32,716	\$33,547	\$44,227
Gold Line	\$12,282	\$8,407	\$11,735	\$8,799	\$6,158	\$3,522	\$4,094	\$9,778	\$4,347	\$4,840	\$5,992	\$4,980
Totals	\$125,027	\$131,458	\$133,496	\$121,803	\$127,673	\$98,352	\$82,260	\$75,569	\$87,629	\$90,826	\$92,809	\$115,725

Sept. 07 Vandalism & Graffiti

Windows replaced: 85 @ \$14,171

Vandal Shields replaced: 516 @ \$9,331

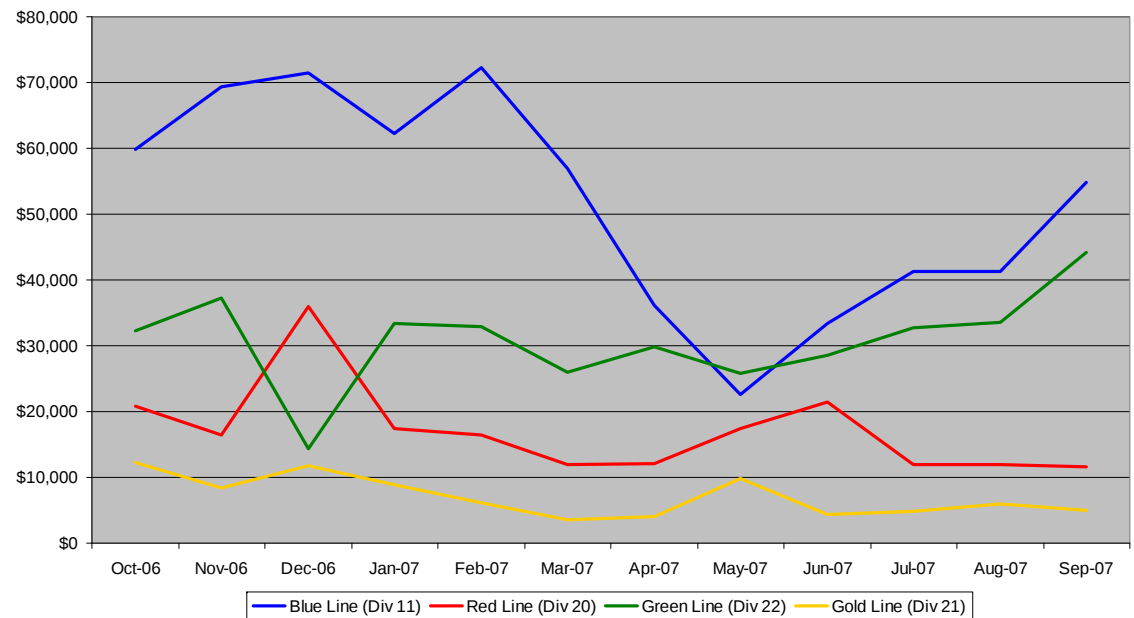
Seats cleaned: 5844

Seats replaced: 95 @ \$4,795

Ext./Int. repairs: 26 cars @ \$3,511

Labor = \$83,916

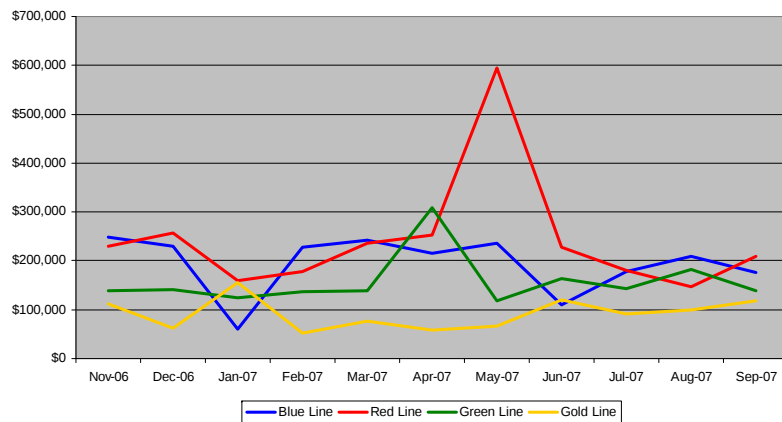
Total for September 2007: \$ 115,725



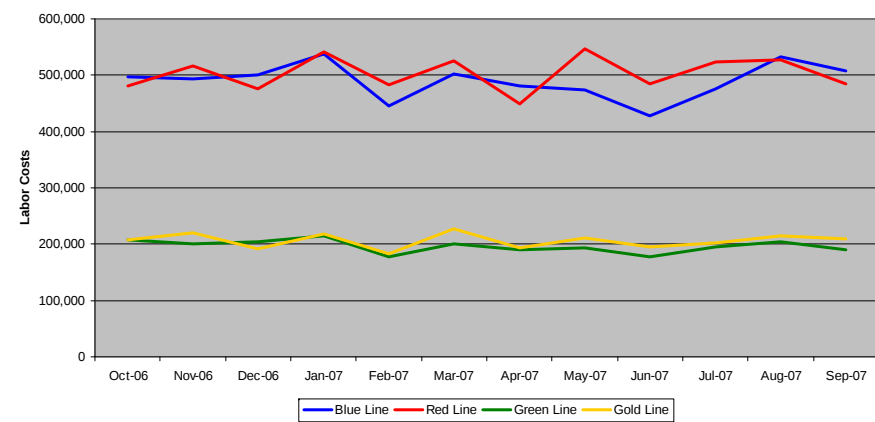
Material and Labor Costs

Material Costs	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	\$127K	\$249K	\$230K	\$60K	\$228K	\$241K	\$216K	\$236K	\$109K	\$177K	\$209K	\$176K
Red Line	\$256K	\$231K	\$258K	\$160K	\$178K	\$236K	\$252K	\$595K	\$227K	\$180K	\$147K	\$209K
Green Line	\$125K	\$139K	\$141K	\$124K	\$136K	\$139K	\$308K	\$117K	\$164K	\$143K	\$181K	\$139K
Gold Line	\$70K	\$113K	\$63K	\$156K	\$52K	\$76K	\$58K	\$65K	\$121K	\$91K	\$100K	\$119K
Totals	\$925K	\$663K	\$731K	\$499K	\$594K	\$693K	\$835K	\$1,015K	\$620K	\$591K	\$638K	\$643K

Material Costs



Labor Costs



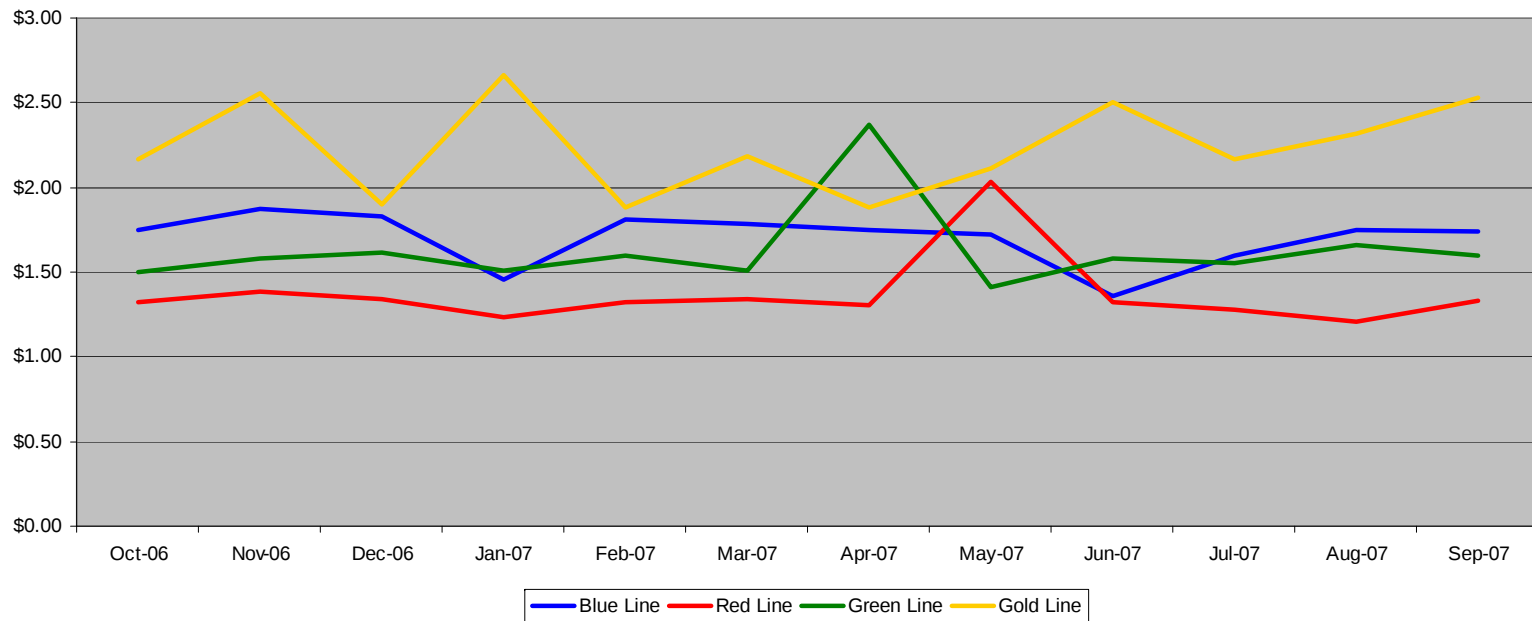
Labor Costs	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Blue Line	\$498K	\$494K	\$500K	\$537K	\$446K	\$502K	\$482K	\$475K	\$427K	\$476K	\$532K	\$508K
Red Line	\$482K	\$517K	\$475K	\$542K	\$483K	\$526K	\$450K	\$548K	\$485K	\$523K	\$527K	\$485K
Green Line	\$207K	\$200K	\$204K	\$215K	\$178K	\$201K	\$190K	\$194K	\$177K	\$196K	\$204K	\$190K
Gold Line	\$208K	\$221K	\$192K	\$218K	\$182K	\$227K	\$194K	\$211K	\$196K	\$202K	\$214K	\$208K
Totals	\$1,394K	\$1,431K	\$1,372K	\$1,512K	\$1,289K	\$1,455K	\$1,315K	\$1,427K	\$1,286K	\$1,397K	\$1,477K	\$1,392K



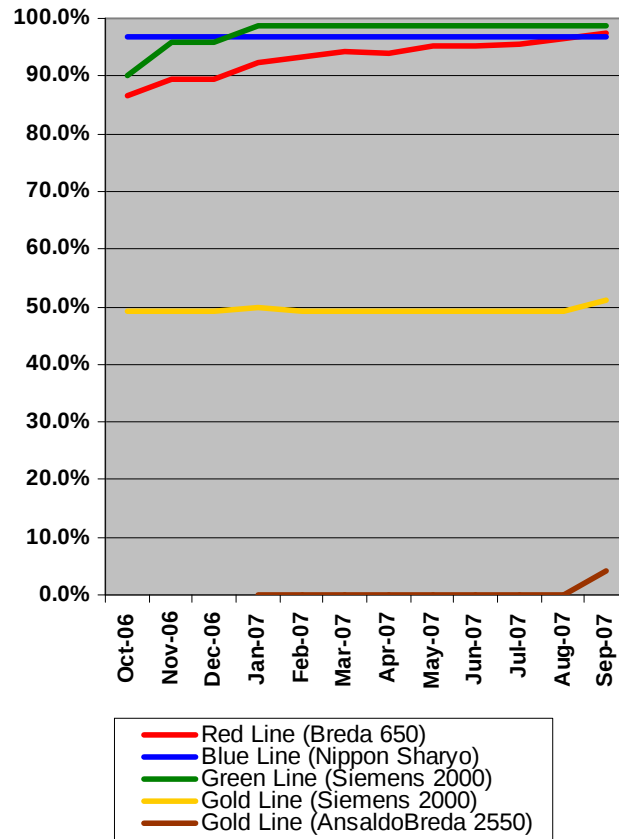
Metro

Cost Per Mile

Cost per mile:	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Average
Blue Line	\$1.75	\$1.87	\$1.83	\$1.45	\$1.81	\$1.79	\$1.75	\$1.72	\$1.36	\$1.60	\$1.75	\$1.74	\$1.70
Red Line	\$1.32	\$1.38	\$1.34	\$1.24	\$1.32	\$1.34	\$1.30	\$2.04	\$1.32	\$1.28	\$1.20	\$1.33	\$1.37
Green Line	\$1.50	\$1.58	\$1.62	\$1.51	\$1.60	\$1.51	\$2.37	\$1.41	\$1.58	\$1.55	\$1.66	\$1.59	\$1.62
Gold Line	\$2.17	\$2.55	\$1.90	\$2.66	\$1.88	\$2.18	\$1.88	\$2.11	\$2.51	\$2.17	\$2.32	\$2.53	\$2.24



Rail Fleet Services Training – September 2007



Description	Status	Start	End	Training Hours	Student Count	Total Training Hours
<u>Blue Line Instruction (Nippon Sharyo 865 & 2020):</u>						
RFS ANSALDOBREDA 2550 FRICTION BRAKES	Complete	9/25/2007	9/28/2007	32	2	64
RFS ANSALDOBREDA 2550 APSLVPS/BATTERY	Complete	9/21/2007	9/24/2007	16	2	32
RFS ANSALDOBREDA 2550 PANTOGRAPH	Complete	9/19/2007	9/19/2007	8	2	16
RFS ANSALDOBREDA 2550 VEHICLE SYSTEMS	Complete	9/17/2007	9/19/2007	24	2	48
Total Blue Line Training (Hours):						160
<u>Red Line Instruction (Breda 650 & Option Cars):</u>						
RFS BRED 650 TICU	Complete	9/27/2007	9/28/2007	16	2	32
RFS BRED 650 LIGHT & DEST SIGN	Complete	9/25/2007	9/26/2007	16	2	32
RFS BRED 650 ATO SHOP TESTER	Complete	9/19/2007	9/21/2007	24	2	48
RFS BRED 650 SIGNALRAIL ATO	Complete	9/11/2007	9/19/2007	40	2	80
RFS BRED 650 HVAC	Complete	8/29/2007	9/7/2007	32	2	64
Total Red Line Training (Hours):						256
<u>Green Line Instruction (Siemens 2000):</u>						
RFS ANSALDOBREDA 2550 FRICTION BRAKES	Complete	9/25/2007	9/28/2007	32	1	32
RFS ANSALDOBREDA 2550 APSLVPS/BATTERY	Complete	9/21/2007	9/24/2007	16	1	16
RFS ANSALDOBREDA 2550 PANTOGRAPH	Complete	9/19/2007	9/19/2007	8	1	8
RFS ANSALDOBREDA 2550 VEHICLE SYSTEMS	Complete	9/17/2007	9/19/2007	24	1	24
Total Green Line Training (Hours):						80
<u>Gold Line Instruction (Siemens 2000):</u>						
RFS ANSALDOBREDA 2550 FRICTION BRAKES	Complete	9/25/2007	9/28/2007	32	5	37
RFS ANSALDOBREDA 2550 APSLVPS/BATTERY	Complete	9/21/2007	9/24/2007	16	5	21
RFS ANSALDOBREDA 2550 PANTOGRAPH	Complete	9/19/2007	9/19/2007	8	5	13
RFS ANSALDOBREDA 2550 VEHICLE SYSTEMS	Complete	9/17/2007	9/19/2007	24	5	29
Total Gold Line Training (Hours):						100
<u>New Maintenance Specialist Training:</u>						
Total New Employee Training (Hours):						0
<u>Management/Supervision Training</u>						
TRANSITSAFE WEBINARS OVERVIEW AND TRAINING FOR RAIL OPERATION	Complete	9/18/2007	9/18/2007	3	4	12
RFS ANSALDOBREDA 2550 FRICTION BRAKES	Complete	9/25/2007	9/28/2007	32	2	64
RFS ANSALDOBREDA 2550 APSLVPS/BATTERY	Complete	9/21/2007	9/24/2007	16	2	32
RFS ANSALDOBREDA 2550 PANTOGRAPH	Complete	9/19/2007	9/19/2007	8	2	16
RFS ANSALDOBREDA 2550 VEHICLE SYSTEMS	Complete	9/17/2007	9/19/2007	24	2	48
RFS BRED 650 TICU	Complete	9/27/2007	9/28/2007	16	1	16
RFS BRED 650 LIGHT & DEST SIGN	Complete	9/25/2007	9/26/2007	16	1	16
RFS BRED 650 ATO SHOP TESTER	Complete	9/19/2007	9/21/2007	24	1	24
RFS BRED 650 SIGNALRAIL ATO	Complete	9/11/2007	9/19/2007	40	1	40
RFS BRED 650 HVAC	Complete	8/29/2007	9/7/2007	32	1	32
ETD INTRODUCTION TO HUMAN RESOURCES POLICIES	Complete	9/27/2007	9/27/2007	2	2	4
FIRST TIME SUPERVISION	Complete	9/26/2007	9/21/2007	10	2	20
ETD STRESS MANAGEMENT	Complete	9/19/2007	9/19/2007	3	2	6
LABOR INFORMATION MANAGEMENT SYSTEM	Complete	9/26/2007	9/26/2007	1	1	1
PAYROLL LABOR ADJUSTMENT TRAINING	Complete	9/26/2007	9/26/2007	1	1	1
E-TIME TRAINING	Complete	9/27/2007	9/27/2007	1	2	2
NEO - NEW EMPLOYEE ORIENTATION	Complete	9/4/2007	9/4/2007	4	1	4
BEHIND THE WHEEL	Complete	9/11/2007	9/11/2007	0.57	1	0.57
IN SERVICE	Complete	9/11/2007	9/11/2007	0.17	1	0.17
LINE RIDE	Complete	9/11/2007	9/11/2007	1	1	0.84
Total Management Training (Hours):						339.68

Total Rail Fleet Services Instruction for the month of September 2007 (Hours): 935.7

Core Vehicle Training Completed	BLUE	RED	GOLD	GREEN
Percentage of core vehicle training complete:	96.8%	97.5%	51.1%	98.8%
AnsaldoBreda 2550 Training Completed:	0.4%	N/A	4.0%	2.3%
Average Specialist Rail Experience Level in Years:	8.7	7.0	5.4	7.6

