

Rail Fleet Services Monthly Report March 2011

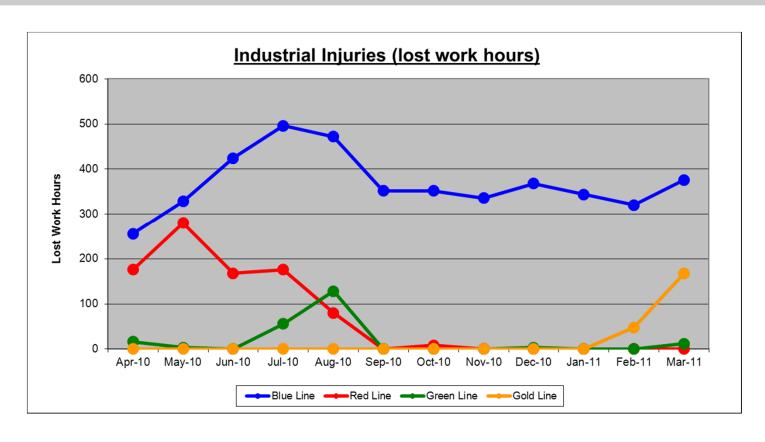


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Industrial Injuries – Lost Work Hours March 2011



| | Emplo | yees | N | larch 2011 Lo | st Work Hou | urs | | | |
|--------------|----------|--------|----------------------|----------------------|------------------------------|------------|--|--|--|
| | Assigned | Active | Service Attendant | Maint. Specialist | Body Repairer /Painter | Total Hrs. | | | |
| Blue Line | 108 | 104 | 16 | 176 | 184 | 376 | | | |
| Red Line | 103 | 97 | 0 | 0 | 0 | 0 | | | |
| Green Line | 48 | 45 | 12 | 0 | 0 | 12 | | | |
| Gold Line | 51 | 48 | 168 | 0 | 0 | 168 | | | |
| Eng/QA/Admin | 25 | 25 | 0 | 0 | 0 | 0 | | | |
| Totals | 335 | 319 | 196 | 176 | 184 | 556 | | | |



Rail Vehicle Accidents & Major Incidents March 2011

| Repair Costs | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Totals |
|--------------|---------|----------|---------|----------|----------|---------|---------|----------|----------|---------|---------|---------|-----------|
| Blue Line | \$2,100 | \$5,705 | \$2,050 | \$36,498 | \$50,124 | \$916 | \$4,781 | \$10,716 | \$16,938 | \$961 | \$2,114 | \$684 | \$133,587 |
| Red Line | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$562 | \$0 | \$0 | \$0 | \$562 |
| Green Line | \$0 | \$4,799 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,799 |
| Gold Line | \$0 | \$3,523 | \$0 | \$653 | \$0 | \$441 | \$4,286 | \$3,016 | \$1,374 | \$239 | \$13 | \$4,031 | \$17,576 |
| Totals | \$2,100 | \$14,027 | \$2,050 | \$37,151 | \$50,124 | \$1,357 | \$9,067 | \$13,732 | \$18,874 | \$1,200 | \$2,127 | \$4,715 | \$156,524 |

| | | Rail V | ehicle Accident Costs - March 2011 | | | | | |
|-----------|---------------------------------|-------------------------------|--|------------|--|--|--|--|
| | Metro Blue | Main Line | | | | | | |
| Date | Incident # | Problem code | Incident Description | Cost | | | | |
| 3/1/2011 | 1991316 | Train vs Other | Train # 6 T-250 reports train involved in a 10-71 at 108th crossing | \$204.00 | | | | |
| | | | with a shopping cart. | | | | | |
| 3/1/2011 | 1991390 | Train vs Other | Train # 1, T-77, (111B)-148-126 reports a 10-71 with a shopping | \$255.00 | | | | |
| | | | cart southbound at 103rd grade crossing on track 2. | | | | | |
| 3/29/2011 | 2000386 | Train vs Auto | Train # 1 T-068 car # 144A-147-164 involved in a 10-73 at | \$225.00 | | | | |
| | | | Washington BI east of Los Angeles St. | | | | | |
| | | | TOTAL FOR METRO BLUE LINE | \$684.00 | | | | |
| | Metro G | old Line | | | | | | |
| Date | Incident # | Problem code | Incident Description | Cost | | | | |
| 3/10/2011 | 1994476 | Train vs Train | T-166 transported 10-58, accident Gold Line Yard | \$0.00 | | | | |
| 3/20/2011 | 1997454 | Train vs Other | Train 4 operating on track # 2 made contact with fallen tree | \$156.00 | | | | |
| | | | branches laying on right-of-way. | | | | | |
| 3/25/2011 | 1999278 | Train vs Auto | Operators reported vehicle made an illegal right turn in front of the | \$3,875.00 | | | | |
| | | | train making contact. T-142, Train 4 (746B)-717-723, South, Track | | | | | |
| | | | 2, Temple/Alameda | | | | | |
| 3/26/2011 | 1999524 | Train vs Equipment | R-79 reported while relocating the gap train to its proper position, | \$0.00 | | | | |
| | | | the train came into contact with the bumping post at Atlantic tail | | | | | |
| | | | track 2, (724B)-712. | | | | | |
| TOTAL FO | OTAL FOR METRO GOLD LINE 4,031. | | | | | | | |
| | | | GRAND TOTAL | 4,715.00 | | | | |
| (10-71 |) = Train vs. Obj | ect, (10-72) = Train vs. Pede | estrian, (10-73) = Train vs. Vehicle (10-74) = Train vs. MTA Vehicle, (10-75) = Dera | ailment | | | | |



Service Delivery – AM/PM Pull-Outs March 2011

Blue Line - Fleet Size 69 cars

Weekday pull-out: 60 cars Weekend pull-out: 36 cars

Monthly Mileage: 424,988 miles

Expo Line – Fleet Size 15 cars

Red Line - Fleet Size 104 cars

Weekday pull-out: 70 cars Weekend pull-out: 48 cars

Monthly Mileage: 554,244 miles

Green Line – Fleet Size 29 cars

Weekday pull-out: 22 cars Weekend pull-out: 14 cars

Monthly Mileage: 224,430 miles

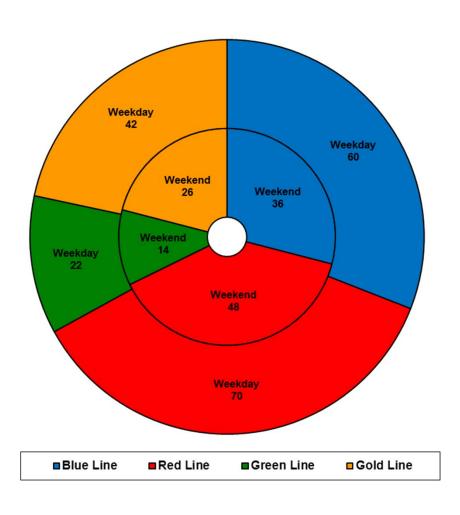
Gold Line – Fleet Size 51 cars

<u>P2550 – Fleet Size 43 cars</u> <u>P2000 – Fleet Size 8 cars</u>

Weekday pull-out: 42 cars Weekend pull-out: 26 cars

Monthly Mileage: 264,530 miles

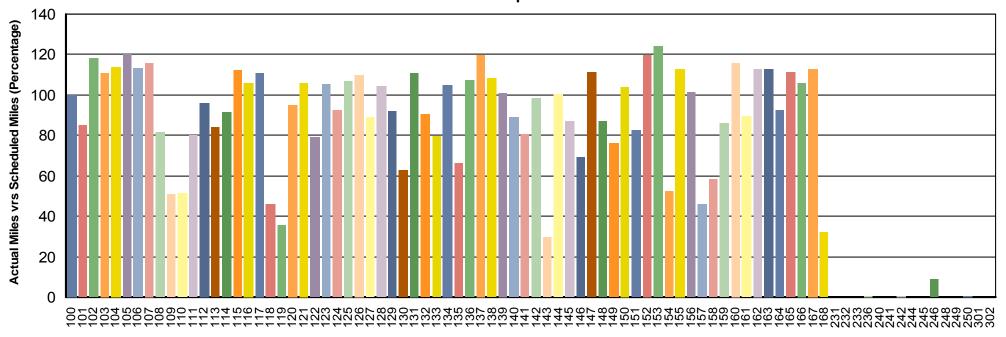
AM/PM Pull-Out Requirements





Vehicle Utilization March 2011

Metro Blue/Expo Line Fleet

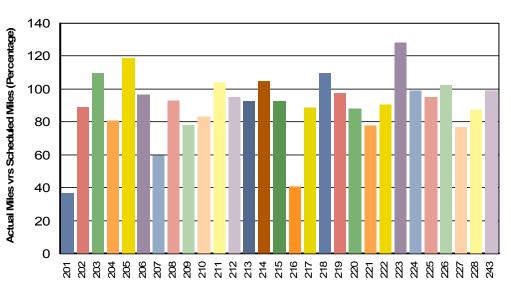


The entire Expo Fleet (all 15 cars, 231-302) are not in revenue service at this time, but may be listed due to training and testing. Mileage will be minimal each month until Expo opens.

Note: Percentage includes an average 4% mileage deduction for Yard mileage and Vehicle Testing.



Metro Green Line



Vehicle Utilization March 2011

Red Line - Vehicles 501-502. 505-506, 521-530, and 523-528 are flagged as low vehicle utilization due to Base-Buy fleet having propulsion and brake problems.

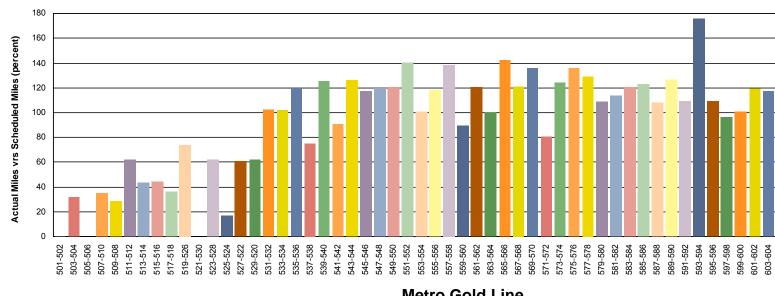
Percentage includes an average 4% mileage deduction for Yard mileage and Vehicle Testing.

Gold Line - P2000 cars (2xx) are in the process of being moved to the Blue Line for use on the new Expo Line

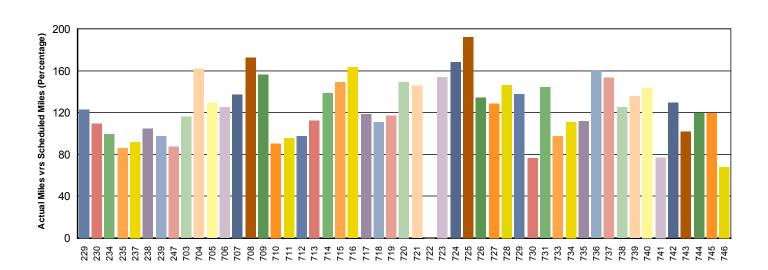
Car 722 has been out of service awaiting parts from **AnsaldoBreda**





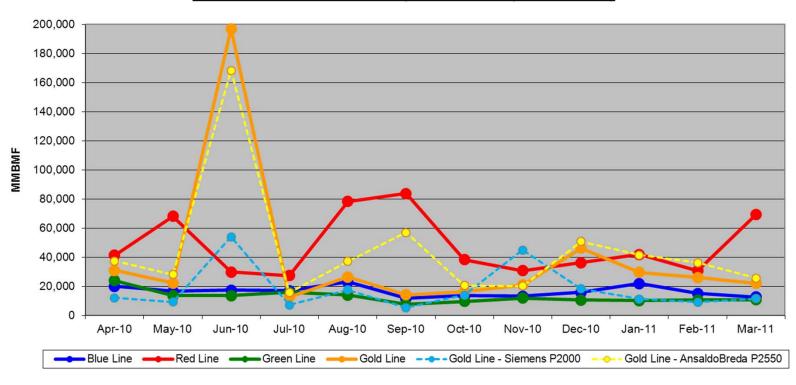


Metro Gold Line



Mean Miles Between Failures (Major) March 2011

Mean Miles Between Major Failures (12-months)



| | Total Vehicle | Major | Minor | Total System | No Problem | No Problem | MMBF | MMBF | MMBF |
|-------------------|------------------|----------|-------|-----------------|---------------|---------------|---------|---------|---------|
| Mar-11 | Miles | Failures | | , | | Found (%) | (Major) | (Minor) | (TOTAL) |
| Blue Line | 424,988 | 34 | 110 | 144 | 28 | 19% | 12,500 | 3,864 | 2,951 |
| Red Line | 554,244 | 8 | 177 | 185 | 27 | 15% | 69,281 | 3,131 | 2,996 |
| Green Line | 224,430 | 21 | 64 | 85 | 18 | 21% | 10,687 | 3,507 | 2,640 |
| Gold Line | 264,530 | 12 | 87 | 99 | 23 | 23% | 22,044 | 3,041 | 2,672 |
| P2000 | 34,239 | 3 | 16 | 19 | 7 | 37% | 11,413 | 2,140 | 1,802 |
| P2550 | 230,291 | 9 | 71 | 80 | 16 | 20% | 25,588 | 3,244 | 2,879 |



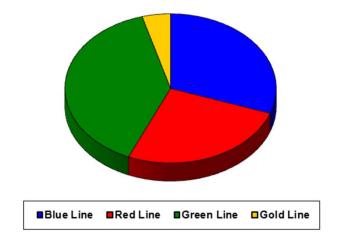
Repeat Failures (Major) March 2011

Metro Blue Line: 7 Repeat Failures

Metro Red Line: 6 Repeat Failures

Metro Green Line: 9 Repeat Failures

Metro Gold Line: 1 Repeat Failure



| | Rep | eater Car | Details - | March 2011 | | | | |
|----------------------------|-------|-----------|-----------|------------|------|---------|-------|---------|
| System | Blue | Line | Red | Line | Gree | n Line | Gold | d Line |
| System | Car # | Repeats | Car # | Repeats | Car# | Repeats | Car # | Repeats |
| Automated Train Protection | 121 | 1 | | | 210 | 2 | | |
| Doors | 139 | 1 | | | | | | |
| Doors | 149 | 2 | | | | | | |
| Friction Brakes | | | | | 201 | 2 | | |
| HVAC | | | 531 | 2 | | | | |
| | 122 | 1 | 510 | 1 | 204 | 1 | | |
| Propulsion/Dynamic Brake | 168 | 2 | 517 | 2 | 207 | 2 | | |
| Fropulsion/Dynamic Brake | | | | | 215 | 1 | | |
| | | | | | 227 | 1 | | |
| PA/Intercom | | | 587 | 1 | | | | |
| TWC | | | | | | | 723 | 1 |
| TOTALS | | 7 | | 6 | | 9 | | 1 |

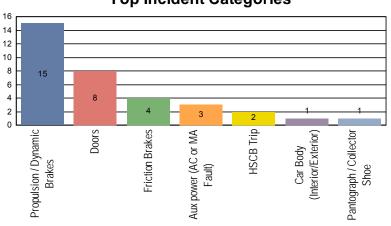


Repeat Failure: When a train car has three or more major repeat problems/failures.

Major Incidents March 2011

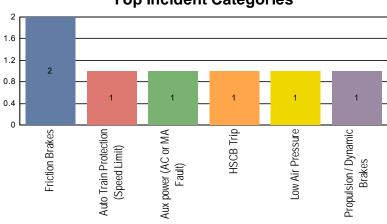
Metro Blue Line

Top Incident Categories



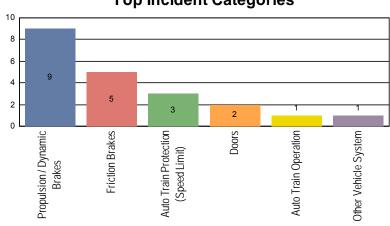
Metro Red Line

Top Incident Categories



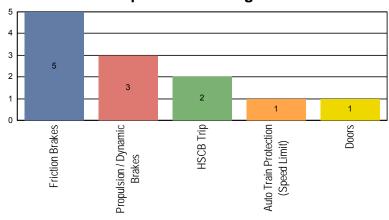
Metro Green Line

Top Incident Categories



Metro Gold Line

Top Incident Categories



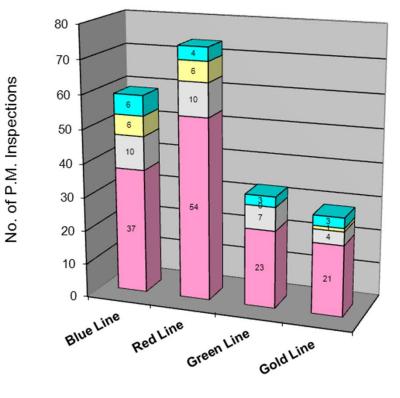


Preventative Maintenance Compliance March 2011

| PM Compliance | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Blue Line | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| Red Line | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 97% | 100% | 100% | 97% | 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% |

March 2011 Preventative Maintenance Inspections

| No. of P.M. Inspections | 7.5K- 10K | 22.5K- 30K | 45K-60K | 90K- 120K | Totals |
|----------------------------|--------------|---------------|---------|--------------|--------|
| Blue Line | 37 | 10 | 6 | 6 | 59 |
| Red Line | 54 | 10 | 6 | 4 | 74 |
| Green Line | 23 | 7 | 0 | 3 | 33 |
| Gold Line | 21 | 4 | 1 | 3 | 29 |
| Totals: | 135 | 31 | 13 | 16 | 195 |



■45K-60K

■22.5K-30K

■90K-120K

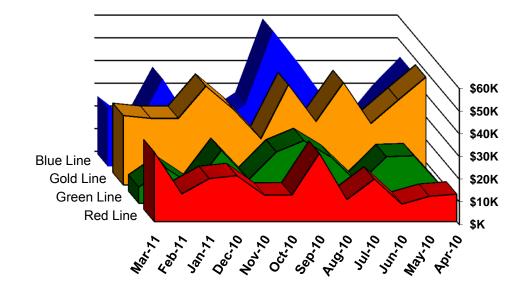


■7.5K-10K

Vandalism & Graffiti Report March 2011

| | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Year-to- Date |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|
| Blue Line | \$43K | \$31K | \$16K | \$28K | \$44K | \$60K | \$27K | \$19K | \$20K | \$39K | \$16K | \$26K | \$369K |
| Red Line | \$12K | \$11K | \$8K | \$19K | \$10K | \$30K | \$12K | \$12K | \$20K | \$19K | \$12K | \$31K | \$195K |
| Green Line | \$8K | \$21K | \$21K | \$9K | \$20K | \$28K | \$23K | \$10K | \$23K | \$7K | \$15K | \$7K | \$192K |
| Gold Line | \$48K | \$37K | \$27K | \$45K | \$28K | \$44K | \$20K | \$33K | \$44K | \$29K | \$29K | \$31K | \$416K |
| Totals: | \$110K | \$100K | \$71K | \$100K | \$102K | \$162K | \$82K | \$75K | \$107K | \$94K | \$73K | \$94K | \$1,172K |

| March 201 | 1 Vandalisn | n & Graffiti | - All Rail | |
|--------------------------|-------------|--------------|------------|----------|
| | Qty | Labor | Materials | Totals |
| Windows replaced | 25 | \$5,037 | \$15,365 | \$20,403 |
| Vandal Shields | 976 | \$25,473 | \$11,251 | \$36,724 |
| Graffiti removal - other | 907 | \$3,452 | \$0 | \$3,452 |
| Seats Cleaned | 799 | \$5,377 | \$3,570 | \$8,947 |
| Seats Replaced | 719 | \$5,733 | \$19,665 | \$25,398 |
| Ext/Int Repairs | 160 | \$0 | \$0 | \$0 |
| Exterior Graffiti Clean | 0 | \$0 | \$0 | \$0 |
| Totals for March 20 | 011 | \$45,073 | \$49,851 | \$94,924 |





Graffiti Pictures March 2011

Blue Line



Green Line



Panel etching



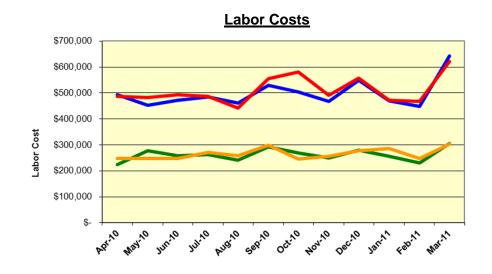




Material and Labor Costs March 2011

| MATERIALS | Apr-10 | May-10 | , | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 |
|------------|---------------|---------------|----|---------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Blue Line | \$ 197,253 | \$ 272,347 | \$ | 94,924 | \$ 245,000 | \$ 347,681 | \$ 341,681 | \$ 225,412 | \$ 416,656 | \$ 337,959 | \$ 311,345 | \$ 249,678 | \$ 259,887 |
| Red Line | \$ 348,088 | \$ 258,558 | \$ | 317,139 | \$ 321,375 | \$ 219,030 | \$ 285,906 | \$ 406,465 | \$ 230,298 | \$ 162,960 | \$ 240,990 | \$ 213,323 | \$ 305,345 |
| Green Line | \$ 136,768 | \$ 244,408 | \$ | 256,000 | \$ 231,296 | \$ 291,938 | \$ 267,489 | \$ 253,619 | \$ 128,574 | \$ 295,924 | \$ 228,636 | \$ 255,578 | \$ 247,907 |
| Gold Line | \$ 72,343 | \$ 98,102 | \$ | 105,801 | \$ 81,897 | \$ 57,693 | \$ 61,673 | \$ 104,711 | \$ 117,573 | \$ 58,796 | \$ 86,984 | \$ 82,141 | \$ 105,452 |
| Totals | \$ 754,453 | \$ 873,415 | \$ | 773,864 | \$ 879,567 | \$ 916,342 | \$ 956,749 | \$ 990,206 | \$ 893,102 | \$ 855,640 | \$ 867,955 | \$ 800,720 | \$ 918,591 |

\$450,000 \$400,000 \$300,000 \$250,000 \$150,000 \$50,000 \$50,000 \$50,000

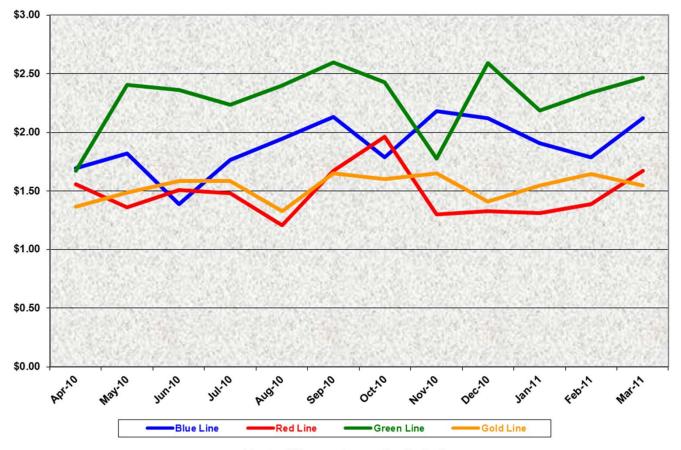


| LABOR | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Blue Line | \$ 492,862 | \$ 451,979 | \$ 472,293 | \$ 484,536 | \$ 462,218 | \$ 529,087 | \$ 504,876 | \$ 466,805 | \$ 549,827 | \$ 470,555 | \$ 447,928 | \$ 642,540 |
| Red Line | \$ 487,627 | \$ 482,974 | \$ 492,936 | \$ 487,742 | \$ 442,482 | \$ 555,982 | \$ 581,709 | \$ 491,124 | \$ 556,636 | \$ 472,105 | \$ 467,849 | \$ 622,201 |
| Green Line | \$ 225,004 | \$ 276,665 | \$ 258,297 | \$ 262,563 | \$ 241,807 | \$ 291,569 | \$ 269,647 | \$ 249,736 | \$ 279,447 | \$ 255,429 | \$ 230,329 | \$ 305,821 |
| Gold Line | \$ 247,135 | \$ 247,474 | \$ 247,000 | \$ 271,885 | \$ 257,900 | \$ 299,833 | \$ 245,423 | \$ 255,054 | \$ 278,165 | \$ 285,821 | \$ 248,537 | \$ 303,998 |
| Totals | \$ 1,452,628 | \$ 1,459,092 | \$ 1,470,526 | \$ 1,506,727 | \$ 1,404,407 | \$ 1,676,471 | \$ 1,601,654 | \$ 1,462,719 | \$ 1,664,075 | \$ 1,483,910 | \$ 1,394,643 | \$ 1,874,560 |



Cost Per Mile March 2011

| Cost per mile: | Apr-10 | May-10 | Jun-10 | Jul-10 | Aug-10 | Sep-10 | Oct-10 | Nov-10 | Dec-10 | Jan-11 | Feb-11 | Mar-11 | Average |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Blue Line | \$1.69 | \$1.82 | \$1.39 | \$1.77 | \$1.95 | \$2.13 | \$1.79 | \$2.18 | \$2.12 | \$1.91 | \$1.79 | \$2.12 | \$1.89 |
| Red Line | \$1.56 | \$1.36 | \$1.51 | \$1.48 | \$1.21 | \$1.67 | \$1.96 | \$1.30 | \$1.33 | \$1.31 | \$1.39 | \$1.67 | \$1.48 |
| Green Line | \$1.67 | \$2.41 | \$2.36 | \$2.24 | \$2.40 | \$2.60 | \$2.43 | \$1.78 | \$2.59 | \$2.19 | \$2.34 | \$2.47 | \$2.29 |
| Gold Line | \$1.37 | \$1.49 | \$1.59 | \$1.59 | \$1.33 | \$1.65 | \$1.60 | \$1.65 | \$1.41 | \$1.55 | \$1.65 | \$1.55 | \$1.53 |





No facility costs are included

Absences vs. Overtime March 2011

| ABSENCE TYPE and HOURS | 3940 | 3941 | 3942 | 3943 | 3944 | Total |
|---------------------------------|-------|----------|--------|----------|--------|--------------|
| AWP-ABSENT W/O PERMISSION | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 16.00 |
| BER-BEREAVEMENT | 0.00 | 48.00 | 40.00 | 0.00 | 0.00 | 88.00 |
| CTO-COMPENSATORY TIME OFF | 8.00 | 329.00 | 244.00 | 156.07 | 128.00 | 865.07 |
| CVA - CASUAL VACATION | 0.00 | 0.00 | 496.00 | 0.00 | 144.00 | 640.00 |
| DSL-DISABILITY LEAVE/LONG | 0.00 | 184.00 | 184.00 | 328.00 | 360.00 | 1,056.00 |
| EFH-EMG. FLOAT HOL. | 0.00 | 0.00 | 40.00 | 40.00 | 0.00 | 80.00 |
| ETO-EXCUSED TIME OFF | 0.00 | 35.00 | 19.25 | 11.40 | 24.50 | 90.15 |
| FML-FAMILY CARE LEAVE | 0.00 | 103.00 | 448.00 | 248.00 | 208.00 | 1,007.00 |
| HLF-HOLIDAY FLOATING | 16.00 | 192.00 | 268.00 | 64.00 | 56.00 | 596.00 |
| II-INDUSTRIAL INJURY | 0.00 | 376.00 | 0.00 | 12.00 | 0.00 | 388.00 |
| JUR-JURY DUTY | 16.00 | 8.00 | 8.00 | 8.00 | 0.00 | 40.00 |
| LC1-LABOR CODE 233 | 24.00 | 322.00 | 362.03 | 115.50 | 104.00 | 927.53 |
| LTI-OCCPIL/LONGTRM INJ LEAVE | 0.00 | 0.00 | 0.00 | 0.00 | 168.00 | 168.00 |
| MLN-MILITARY ABSENCE-UNPAID | 0.00 | 0.00 | 168.00 | 0.00 | 0.00 | 168.00 |
| OWP-OFF WITH PERMISSION | 0.00 | 0.00 | 23.30 | 0.00 | 7.43 | 30.73 |
| RTO-REQUESTED TIME OFF-NO PAY | 0.00 | 11.00 | 0.00 | 0.00 | 0.00 | 11.00 |
| SCK-SICK PAY | 24.00 | 184.00 | 120.00 | 101.42 | 140.00 | 569.42 |
| SCW-SICK WITHOUT PAY | 0.00 | 64.00 | 28.00 | 64.00 | 24.00 | 180.00 |
| SPN-SCHOOL PARTNER NOT PAID | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.50 |
| SUP-TEMPORARY SUPERVISOR | 0.00 | 384.00 | 388.00 | 776.50 | 259.00 | 1,807.50 |
| VAC-VACATION | 40.00 | 168.00 | 168.00 | 100.00 | 122.00 | 598.00 |
| Total Absence Hours | 128 | 2,409 | 3,005 | 2,025 | 1,761 | 9,327 |
| Number of Work Force (assigned) | 25 | 108 | 103 | 48 | 51 | 335 |
| Full Work Force hours/month | 4,333 | 18,716 | 17,850 | 8,318 | 8,838 | 58,056 |
| Absence as a % of Work Force | 3% | 13% | 17% | 24% | 20% | 16% |
| OVERTIME TYPE | 0040 | 20.44 | 0040 | 0040 | 0044 | - |
| OVERTIME TYPE and HOURS | 3940 | 3941 | 3942 | 3943 | 3944 | <u>Total</u> |
| CTB-COMPENSATORY TIME TO BANK | 0 | 121.33 | 46.83 | 41.16 | | 237.32 |
| OTP-PREM OVERTIME | 163.5 | 1,437.93 | 981.41 | 1,353.27 | | 4,967.37 |
| WLO-Worked Lunch Overtme | 1.50 | 23.00 | 42.50 | 92.00 | | 219.50 |
| Total | 165 | 1582 | 1071 | 1486 | | 5424 |
| Overtime as a % of Work Force | 4% | 8% | 6% | 18% | 13% | 9% |
| UNCOVERED ABSENCES | 3940 | 3941 | 3942 | 3943 | 3944 | Total |
| Absences FTE | 1 | 14 | 17 | 12 | 10 | 54 |
| OTP FTE | 1 | 9 | 6 | 9 | 6 | 31 |
| FTE Difference | 0 | 5 | 11 | 3 | 4 | 23 |



Rail Vehicle Engineering Project Summary March 2011

| | Major Projects |
|-----------------------------------|---|
| | Expo Readiness P865/P2000 Fleets P2000 Signal Package Conversion Protran Worker Protection Device |
| P2000 Component Ove | rhaul P2550 Vehicle Acceptance P3010 Vehicle Acquisition MBL Overhaul MBL Auxiliary Inverter Prototype |
| | Technical Specifications |
| MBL, MGL, MRL, MGDL (all fleets): | P2000 HVAC Sutrak Units Overhaul Systra Contract for Expo Fleet MBL Articulation Bellow P2000 Doors P2000 Wheel/Axle Gear Box Class B Wheel Powered Axle Overhaul SOW |
| | Active Test Bulletins |
| MBL (P865/P2020): | Inspection interval investigation (5K-7.5K) Door Capacitor Replace GRS/TWC with H&K TWC Horn Journal Bearing Motor Alternator |
| MRL (A650 Base): | DC-AC Traction Motor Blower Blower Unit (L) Coupler Shield A21 Power Supply A16A1 Board Speed Sensor Removal |
| MRL (A650 Option): | Emergency door seal Air Spring Brushes Motor Evaporator Speed Sensor Removal Traction Motor Safety Hanger |
| MGDL (P2000): | Luminator LED Destination Sign |
| MGL (P2000): | Door Operator Assembly Electric Cabinet Cooling |
| | Active Modification Bulletins |
| MBL (P865/P2020): | Watch Gap, Wheelchair, Security Cameras Battery Disconnect Decals Gearbox Long Breather Tube Flashing Circuit |
| MBL (P2000): | Add TWC Route Select Feature No Acceleration during ATP Overspeed |
| MRL (A650 Option/Base): | Remove Trip Switch Wiring Manual Controller Modification by American Transit Front Door Latch Replace End Door Threshold Plate Dead Battery Start Buss Bar Isolation ATO Overspeed Brake Rate Bracket Power Cable Protection |
| MGL (P2000): | Master Controller with New Cam Profiles Removal of Convex Mirror Head Protran 1 Wayside Worker Protection |
| MGDL (P2000): | Battery Disconnect Decals |
| | Active Technical Request Form |
| MBL (P865/P2020): | Destination Signs Journal Bearing Air Compressor Motor Chopper Intake Damper Assembly Knorr Washer Motor Alternator Set CB1 Tripping Problem 3-Way Valve Berthing Bypass Brake Disc Edges |
| MRL (A650 Option/Base): | ATO Berthing Flender Gearbox Coupler Corrosion Cover Gate Drive Power Supply Rectifier Door Latching Relay Twist Lug Connector Thermistor & TLR Circuit Failures PA System & Air Whistle/Horn Faults Hand Assistance Strap Contact Adhesive Flooring Blower Motor Impeller Snubber Capacitor Vital Relays Calibration Berthing Bypass |
| MGL (P2000): | Door Operator Assemble Repair Vendor Air Vent Grille Exterior Rear View Mirror Sun Shade Gear Latch EMI Trip Faults HVAC Motor Sunshade Gear Latch Vital Relays Calibration |
| MGDL (P2000/P2550): | Truck Tramming Investigation Operator Door Assembly Overhaul Driver Cab Window Glass Vital Relays Calibration |



P2550 Vehicle Acceptance Program March 2011

Vehicle Status Update:

- 45 cars at Metro
- A total of 43 Cars Conditionally Accepted (CA)
- 5 Cars at Pittsburg Assembly Plant

Engineering Activities Update:

- Event recorder AB has recently contacted Faiveley to correct problems associated with the MVB communications; awaiting schedule to dispatch engineer to LA, qualification pending.
- Traction Motor HV Junction Box 10 car sets completed/ installed, remaining parts due to arrive LA by 04/11.
- Brake Caliper Overhaul 8 cars sets completed.
- Reliability Program AB continues to review work order data, recent incidents include TCU, Friction Brakes, Doors and Controls, Communications, and Propulsion equipment. The program is on-going.
- ATP System TWC software release 1.3 completed and awaiting release for implementation. ASTS further evaluating problems with multifunction PCB, Decelerometer and verify PCMCIA reported errors. Work is ongoing.

Production Car Status – Pittsburg:

- Car 748 95% complete. Final inspection in progress.
- Car 749 95% complete. Preliminary testing started.
- Car 750 85% complete. Assembly in process.
- Cars 701& 702 Re-configuration of car in process, rewiring and repining of cables 100 % complete.

Project Management:

- No cars were Conditionally Accepted in March.
- Contract spares are in process and delivered to Metro. Estimated at 85% complete, critical parts not yet delivered.
- Daily and weekly meetings with AB Project Management to solve revenue service issues.
- Project Team negotiated 1 year extended warranty on the fleet in lieu of late manuals, some contract spare parts, and tools and equipment.

Fleet Revenue Service Summary:

- 3.6 million miles since March 2008 - 223,855 miles in March
- 10 mainline incidents, 3 caused by operator or passenger or NTF.



QA-Warranty Program Projects Summary March 2011

ADMINISTRATION ACTIVITIES

- Warranty Manual (2nd edition) 35% complete
- QA Manual (2nd edition) 30% complete
- DRAFT Ultrasonic Testing General Procedures Operation Bulletin 85% complete
- Gearbox Oil Management Program DRAFT-Service Bulletins completed (MGL, MBL, MRL & MGDL) pending Managers review
- "Management Audit Services" conducting a performance audit stated objective "efficiency & effectiveness of maintenance on rail cars".
- QA PMI Audits held in March MGL 22.5K, MRL 90K, and MBL 90K. MDGL PMI audit scheduled for next week.
- ERS daily administration support M3 data entry ongoing at all divisions.
- ERS leader ensures all reports and records are archived properly into QA-Warranty's Share Drive.

RED LINE ACTIVITIES

- Fleet warranty repairs ABI 650 Base Buy & Option cars (T/M Mount Failures/Truck Frame Modification Campaign), Car 536 Axle #4, Truck SN#204, Car 528 Axle #1Truck SN#001, Car 561 Axle #1 Truck SN#40, Car 562 Axle #2 Truck SN#51.
- QA engineering support Technical Request investigations on Compressor Motors, T/M Bearings, Gear Boxes, Inverters, Ground Brushes, Coupler Head Cables & Brake Systems.
- QA Maintenance support Troubleshoot Brakes, Propulsion System, HVAC, & Motor issues (cars 534, 573).
- First Article Inspections Air Blowers (TB-6-0205, LH) closed
- Wabtec Air Actuator & Parking Brake witnessed new product installation (Fit, Form & Function) test Car 587/588 & Car 597/598 test
 results satisfactory.
- QA conducted test & inspections on (5) Line Breakers, overhauled by "Eaton" (4 of 5 rejected) arranged to have Eaton on-site in order to point out QC & repair deficiencies.
- This months Cost Avoidance savings \$15,566.00 via warranty rework return parts, R&R processed parts & non usage of MTA labor-hours.

BLUE LINE ACTIVITIES

- Expo Line TWC Project man-power support on load testing propulsion system & data acquisition during off-peak hours. (Testing support ongoing)
- QA involvement support equipment overhauls, parts campaigns & obsolete equipment replacement research. Build-up necessary for 7 10 extended service. (Door Systems, Car Body, Lighting Systems, Car Interior, Gearbox, Journal Bearings, Chevron Springs)
- First Article inspections new Transtechnik Inverter designed installed on Car 119, new software & voltage adjustments to meet Metro standards. Dahlbeck Traction Motor overhaul testing completed (45,000 miles) Car 146 Test Bulletin closed. Two Motor Alternators overhauled Ram Industrial tested satisfactory.



QA-Warranty Program Projects Summary March 2011

GREEN LINE ACTIVITIES

- QA support engineering Technical Request investigations on Door Operations, Air Vent Grille, External Rear View Mirror, Sun Shade Gear Latch, EMI Trip Faults, HVAC Motors & Ground Contacts & Brake Systems.
- QA Maintenance Troubleshoot Circuit Relays, Car Ventilation, Slew Rings, Inverters, Traction Motors, & Speed Sensors.
- FAI Electrical Cabinet Cooling Sys installation (2) DC Motor Cooling Fans being tested.
- QA P2550 car inspection, vehicle 732 moved from MBL to MGL, then moved to the MGDL.

GOLD LINE ACTIVITIES

- P2550 Project Two video downloads requested for law enforcement & administration investigations.
- P2550 Contract Programs QA conditional acceptance inspections made on vehicles 746 &747.
- QA overseeing equipment testing, spare parts inspections & warranty conditions tracking. ABI Contract Spare deliveries on going.
- Inspected & tested Knorr Brake Valve Test Bench (BVTB) test passed & commissioned. The BVTB is installed at MBL.
- P2550 Project documentation & contract deliverable data records are up-to-date.
- QA & Warranty support being given to both ABI & RFSTS engineering resolving car acceptance issues.
- This months Cost Avoidance savings \$101,884.80 via warranty rework return parts, R&R processed parts & non usage of MTA labor-hours.



Rail Fleet Services Instruction March 2011

Training classes completed during the month of March 2011

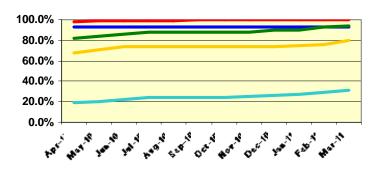
| Description | Status | Start | End | Course Hours | Student Count | Training Hours |
|--|----------------------|-----------------------|-----------------------|-----------------|------------------|-------------------|
| Blue Line Training - (865/2020 & P2000 LRV): | | | | | | |
| RECORDS MANAGEMENT & INFORMATION SECURITY | Complete | 3/31/2011 | 3/31/2011 | 3 | 3 | 9 |
| INTERVIEW PREPARATION | Complete | 3/30/2011 | 3/30/2011 | 2 | 1 | 2 |
| RFS SIEMENS 2000 VEHICLE COURSE | Complete | 3/1/2011 | 3/24/2011 | 152 | 7 | 1064 |
| BOL LINE 485 | Complete | 3/9/2011 | 3/9/2011 | 2 | 1 | 2 |
| TRANSIT TERRORISM AWARENESS TRAINING | Complete | 3/23/2011 | 3/23/2011 | 1 | 1 | 1 |
| Electrical Safety (Video) | Complete | 3/2/2011 | 3/2/2011 | 2 | 1 | 2 |
| FIRST TIME SUPERVISION | Complete | 3/9/2011 | 3/10/2011 | 10 | 1 | 10 |
| | | Total | Blue Line | 1090 | | |
| Red Line Training (Breda A650 HRV): | | | | | | |
| PR EMPLOYEE SELF-SERVICE TRAINING | Complete | 3/9/2011 | 3/9/2011 | 1 | 1 | 1 |
| SEXUAL HARASSMENT PREVENTION, TITLE VI AND VII | Complete | 3/6/2011 | 3/6/2011 | 2.5 | 1 | 2.5 |
| DRUG & ALCOHOL REASONABLE SUSPIC. DETERMIN. | Complete | 3/1/2011 | 3/1/2011 | 4 | 1 | 4 |
| | | Tota | Red Line | Training | (Hours): | 7.5 |
| | | | | | , , | |
| Green Line Training (P2000 LRVs): | | | | | | |
| RFS SIEMENS 2000 COMMUNICATIONS | Complete | 3/23/2011 | 3/24/2011 | 16 | 1 | 16 |
| RFS SIEMENS 2000 VEHICLE COURSE | Complete | 3/1/2011 | 3/23/2011 | 56 | 2 | 112 |
| RFS SIEMENS 2000 PANTOGRAPH | Complete | 3/11/2011 | 3/11/2011 | 8 | 1 | 8 |
| RFS SIEMENS 2000 LIGHTS & DEST. SIGNS | Complete | 3/9/2011 | 3/10/2011 | 8 | 1 | 8 |
| RFS SIEMENS 2000 HVAC | Complete | 3/1/2011 | 3/7/2011 | 64 | 1 | 64 |
| FIS 11I GL INQUIRY | Complete | 3/17/2011 | 3/17/2011 | 3 | 1 1 | 3 |
| GET ORGANIZED FOR PEAK PERFORMANCE - PART 2 PRE-SUPERVISORY TRAINING | Complete Complete | 3/3/2011 3/14/2011 | 3/3/2011 3/31/2011 | 3 14 | 3 | 3 |
| RAIL SYSTEM SAFETY | Complete | 3/14/2011 | 3/30/2011 | 3 | 1 | 42 3 |
| | | Total G | reen Line | Training | (Hours): | 256 |
| | | | | | | |
| Gold Line Training (P2550 LRVs): | | | | | | |
| RFS ANSALDOBREDA 2550 FRICTION BRAKES | Complete | 3/21/2011 | 3/25/2011 | 40 | 3 | 120 |
| RFS ANSALDOBREDA 2550 PROPULSION | Complete | 3/7/2011 | 3/18/2011 | 80 | 3 | 240 |
| RFS ANSALDOBREDA 2550 COMMUNICATIONS | Complete | 3/2/2011 | 3/4/2011 | 24 | 2 | 48 |
| RFS ANSALDOBREDA 2550 COUPLER | Complete | 3/1/2011 | 3/1/2011 | 12 | 3 | 36 |
| WAYSIDE WORKER PROTECTION | Complete | 3/3/2011 | 3/22/2011 | 4 | 6 | 24 |
| DRUG AND ALCOHOL REASONABLE SUSPICION DETERMIN | Complete | 3/1/2011 | 3/1/2011 | 4 | 1 | 4 |
| | | Total | 472 | | | |

Total Gold Line Training (Hours): 472

Total Rail Fleet Services Instruction for the month of March 2011 (Hours): 1,825.5

| Core Vehicle | e Training Completed: | BLUE | RED | GREEN | GOLD | |
|--------------|--|-------|------|-------|-------|--|
| Percentage | of core vehicle training complete: | | | | 79.9% | |
| | Siemens 2000 training complete: | 31.3% | N/A | N/A | N/A | |
| Average Spec | ialist Rail Experience Level in Years: | 11.5 | 11.4 | 8.4 | 9.6 | |

Core Training Completed





Variations caused by new hires, employee transfers, & training completed

