

Rail Fleet Services Monthly Report January 2014



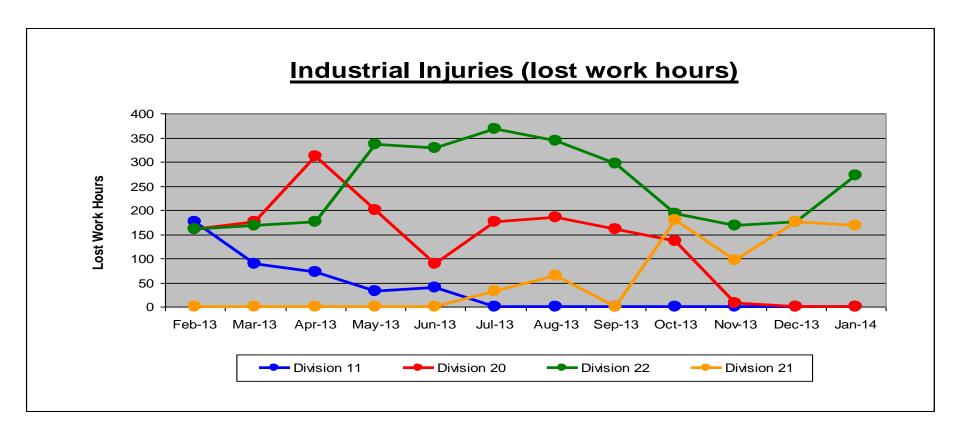
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Industrial Injuries – Lost Work Hours January 2014

	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	12-Month Period
Division 11	176	88	72	32	40	0	0	0	0	0	0	0	408
Division 20	160	176	312	200	88	176	184	160	136	8	0	0	1,600
Division 22	160	168	176	336	328	368	344	296	192	168	176	272	2,984
Division 21	0	0	0	0	0	32	64	0	180	96	176	168	716
Totals	496	432	560	568	456	576	592	456	508	272	352	440	5,708





Rail Vehicle Accidents & Major Incidents January 2014

Repair Costs	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	12-Month Period
Blue/Expo Line	\$3,288	\$2,959	\$237,017	\$11,700	\$4,926	\$14,951	\$2,338	\$3,700	\$11,475	\$13,838	\$0	\$8,370	\$314,562
Red/Purple Line	\$0	\$0	\$4,165	\$0	\$0	\$0	\$1,358	\$0	\$0	\$0	\$0	\$0	\$5,523
Green Line	\$126	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,008	\$0	\$1,134
Gold Line	\$0	\$0	\$0	\$261	\$8,220	\$0	\$537	\$0	\$0	\$0	\$0	\$0	\$9,018
Totals	\$3,414	\$2,959	\$241,182	\$11,961	\$13,146	\$14,951	\$4,233	\$3,700	\$11,475	\$13,838	\$1,008	\$8,370	\$330,237

		Rail	Vehicle Accident Costs - January 2014		
Date	Incident #	Problem Code	Incident Description		Cost
Metro Blue L	ine				
1/17/14	2410540	Train vs. Vehicle	A 10-73 was reported at Intersection, Flower & Venice Track 2, Train 109.	\$	3,885
1/23/14	2412872	Train vs. Vehicle	A 10-73 was reported, Track 2, Train 116.	\$	4,485
			Total	\$	8,370
Metro Red Li	ne				
1/7/14	2406590	Train vs. Object	A 10-71 was reported involving a trash can thrown onto the ROW and train making contact. Train 229, Pershing Square, Eastbound.	\$	-
			Total	\$	-
Metro Greei	n Line Yard				
1/15/14	2409697	Train vs. Object	Broken car wash brush entangled with pantograph.	\$	-
			Total	\$	-
Metro Gold	Line				
1/24/14	2413075	Train vs. Object	A 10-71 was reported involving Train 401 and shopping cart north of Ditman Track 1.	\$	-
			Total	\$	-
			Grand Total	\$	8,370
(10-71	l) = Train vs. Ob	oject, (10-72) = Train vs	. Pedestrian, (10-73) = Train vs. Vehicle (10-74) = Train vs. MTA Vehicle, (10-75) = De	railme	ent

Note: Repair costs are only the expenses captured during the time period of the report. Actual costs may be significantly higher, if repairs are spread out over several months.

Metro

Service Delivery January 2014

Blue/Expo Line Fleet Size: 92

	<u>Vehicles</u>	<u>Average</u>	<u>% Up</u>
Pull Out	<u>Required</u>	<u>Available</u>	(Down)
Weekday:	78	79	101%
Weekend:	60	64	107%

Late Pullouts: 0*

Monthly Mileage: 684,092

Red/Purple Line Fleet Size: 104

	<u>Vehicles</u>	<u>Average</u>	<u>% Up</u>
Pull Out	<u>Required</u>	<u>Available</u>	(Down)
Weekday:	74	83	112%
Weekend:	55	70	127%

Late Pullouts: 0*

Monthly Mileage: 641,636

Green Line Fleet Size: 29

	<u>Vehicles</u>	<u>Average</u>	<u>% Up</u>
Pull Out	Required	<u>Available</u>	(Down)
Weekday:	22	23	105%
Weekend:	14	17	121%

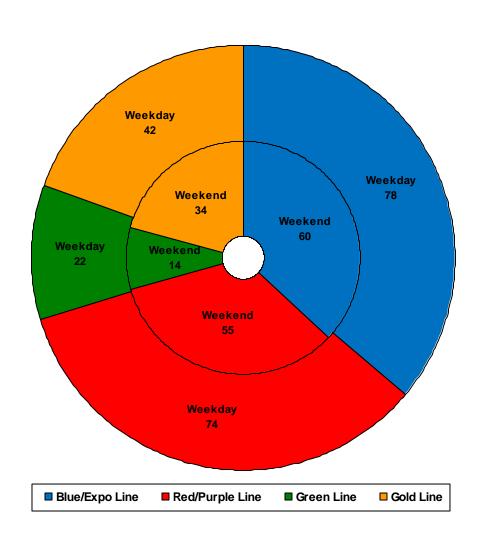
Late Pullouts: 0*

Monthly Mileage: 232,704

Gold Line Fleet Size: 50

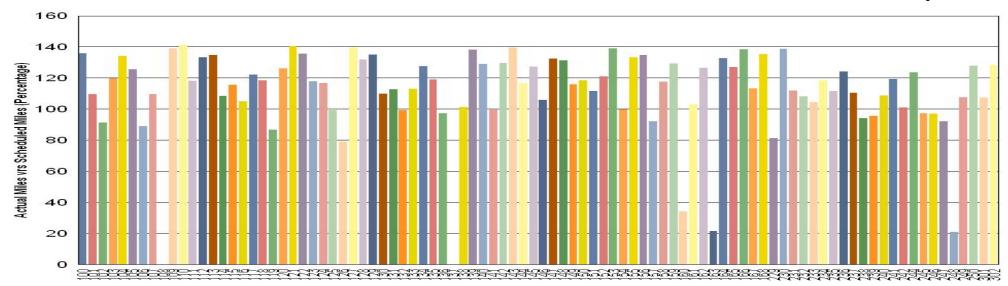
	<u>Vehicles</u>	<u>Average</u>	<u>% Up</u>
Pull Out	Required	Available	(Down)
Weekday:	42	44	105%
Weekend:**	34	41	121%
Late Pullouts: 0*			
Monthly Mileage:	335,312		





Vehicle Utilization January 2014

Metro Blue/Expo Line



Blue/Expo Line:

The following cars are out of service due to:

Car # 108 Accident repair and AUX HSCB Overhaul

Car # 137 Major accident repair

Car # 160 60K Inspection, Graffiti window abatement and Truck work

Car # 163 Unscheduled repairs and overhaul campaigns

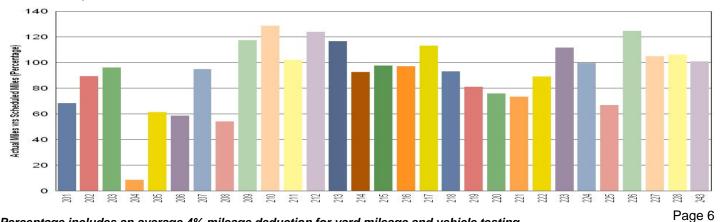
Car # 248 Repeating failures and unscheduled repairs

Metro Green Line

Green Line:

Car # 204 Out of service for troubleshooting propulsion faults and multiple mainline test runs





Note: Percentage includes an average 4% mileage deduction for yard mileage and vehicle testing.

Vehicle Utilization January 2014

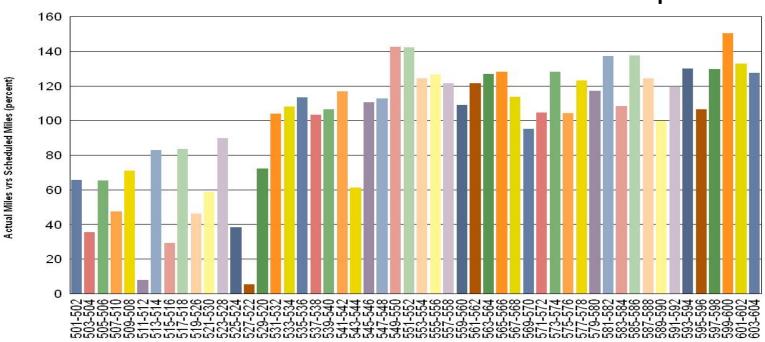
Metro Red/Purple Line

Red/Purple Line:

The following cars are out of service due to:

Car # 503-504 Propulsion fault and gearbox damage Car # 511-512 Floor Replacement Project Car # 515-516 LVPS fault Car # 525-524 Propulsion fault

Car # 527-522 HVAC Servicing

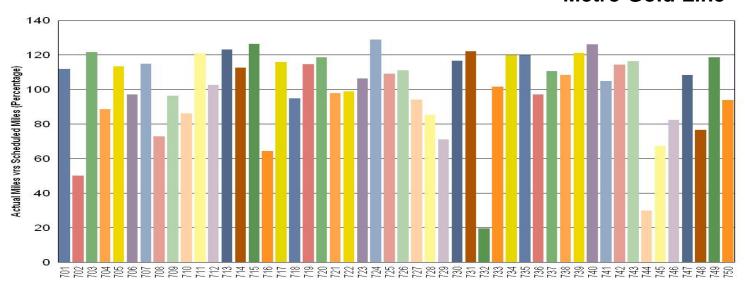


Metro Gold Line

Gold Line:

Car # 732 & 744 Out of service for repairs, and long lead time parts.

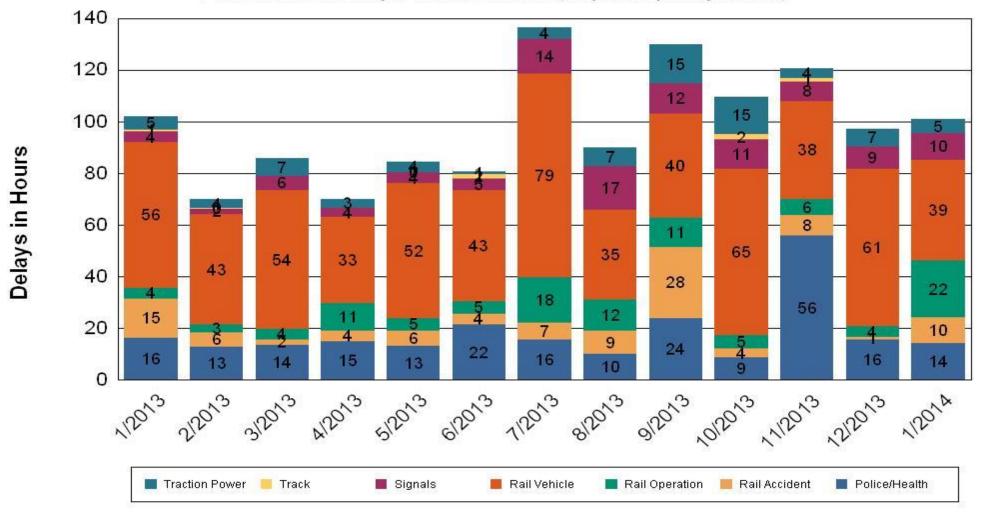




All Train Delay Incidents January 2014

All Train Delays

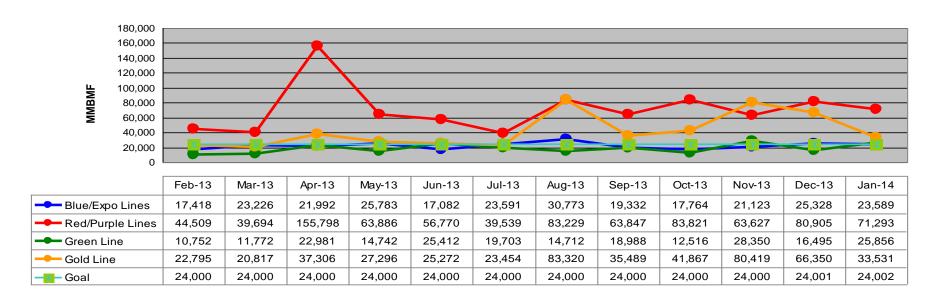
Totals Include the delay to all trains involved (not just the primary incident)



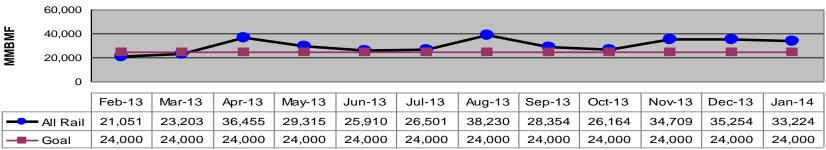


Mean Miles Between Failures (Major) Year to Date

Mean Miles Between Major Failures (by line)



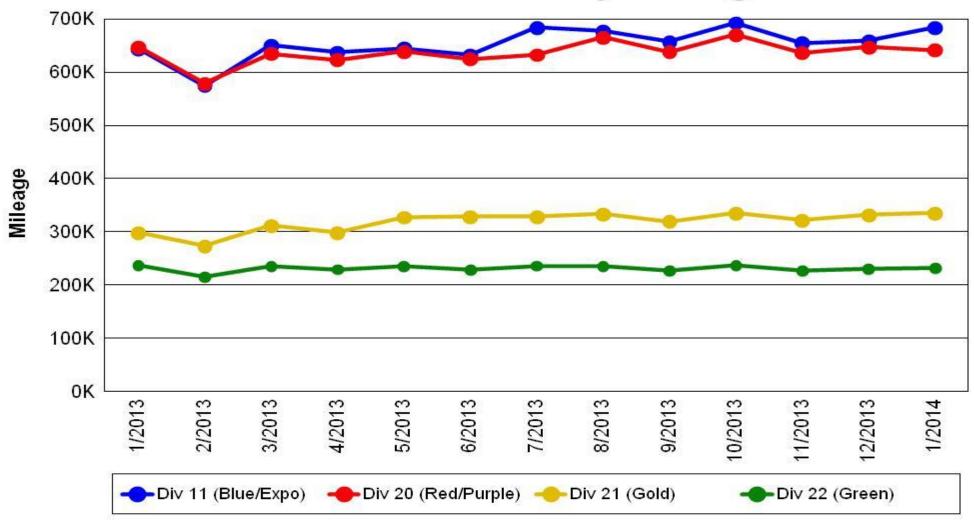
Mean Miles Between Major Failures (all)





Mileage Between Data Range (by month) January 2014

Rail Division Monthly Mileage

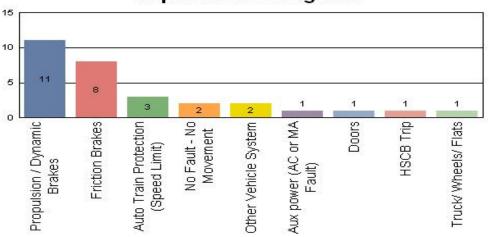




Major Incidents January 2014

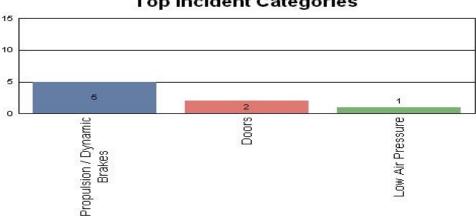
Metro Blue/Expo Line

Top Incident Categories



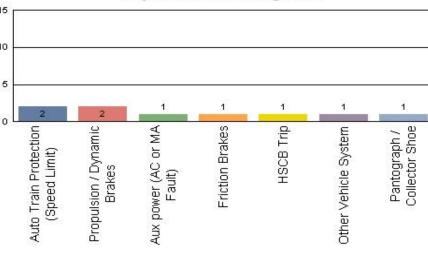
Metro Green Line

Top Incident Categories



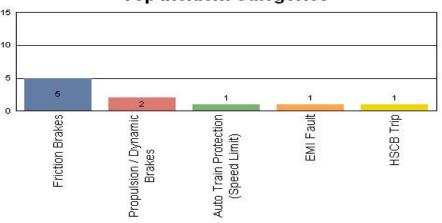
Metro Red/Purple Line

Top Incident Categories



Metro Gold Line

Top Incident Categories





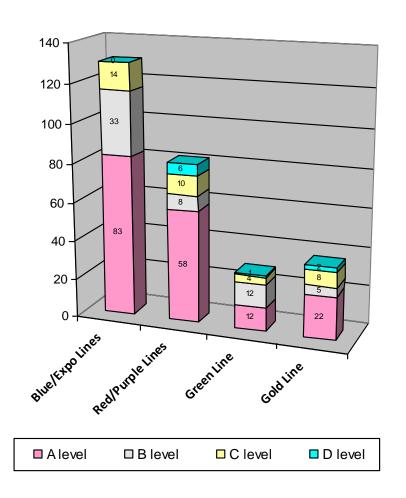
Major Incident: When a train does not complete its scheduled run or is more than 5 minutes late of its scheduled arrival time.

Preventive Maintenance Compliance January 2014

PM Compliance	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14
Blue/Expo Lines	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Red/Purple Lines	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Green Line	100%	100%	100%	100%	91%	100%	100%	100%	100%	96%	92%	100%	100%
Gold Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Number of Pr	Number of Preventive Maintenance Inspections - January 2014													
Line	A level	B level	C level	D level	Totals									
Blue/Expo Lines	83	33	14	0	130									
Red/Purple Lines	58	8	10	6	82									
Green Line	12	12	4	1	29									
Gold Line	22	5	8	2	37									
Totals:	175	58	36	9	278									

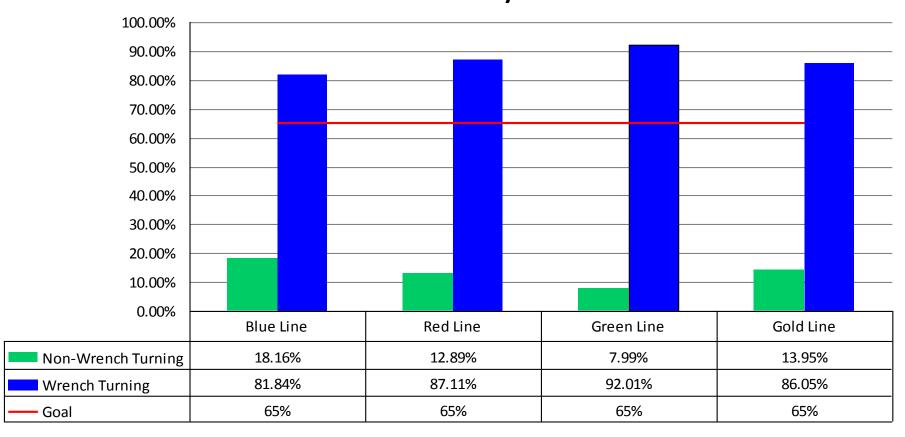
Explanation of P	M Inspection levels	Miles								
Line	Туре	Type A level		C level	D level					
Blue/Expo Lines	P865/P2020	5,000	15,000	30,000	60,000					
Blue/Expo Lines	P2000	7,500	22,500	45,000	90,000					
Red/Purple Lines	A650	7,500	22,500	45,000	90,000					
Green Line	P2000	7,500	22,500	45,000	90,000					
Gold Line	P2550	10,000	30,000	60,000	120,000					





RFS Wrench Turning January 2014

RFS - Wrench Turning January 2014

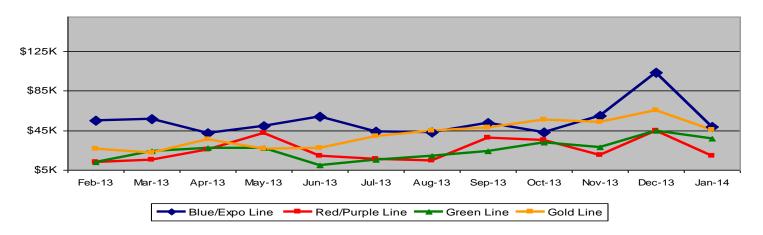




Vandalism & Graffiti Report January 2014

Graffiti Costs

	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	12-Month Period
Blue/Expo Line	\$55K	\$57K	\$42K	\$49K	\$59K	\$44K	\$43K	\$53K	\$43K	\$60K	\$104K	\$49K	\$658K
Red/Purple Line	\$13K	\$15K	\$26K	\$42K	\$19K	\$16K	\$14K	\$37K	\$35K	\$20K	\$44K	\$19K	\$303K
Green Line	\$13K	\$24K	\$27K	\$28K	\$10K	\$15K	\$19K	\$24K	\$33K	\$28K	\$44K	\$37K	\$304K
Gold Line	\$26K	\$23K	\$36K	\$27K	\$27K	\$39K	\$44K	\$48K	\$56K	\$54K	\$66K	\$46K	\$491K
Totals:	\$108K	\$119K	\$131K	\$146K	\$116K	\$115K	\$121K	\$162K	\$167K	\$162K	\$258K	\$151K	\$1,755K



January 2014 Vandalism & Graffiti - All Rail								
	Qty	Labor	Materials	Totals				
Windows replaced	176	\$22,932	\$33,894	\$56,826				
Vandal Shields	449	\$13,556	\$6,308	\$19,864				
Seats Cleaned	461	\$2,696	\$0	\$2,696				
Seats Replaced	275	\$8,662	\$10,120	\$18,782				
Graffiti removal - other	880	\$19,265	\$600	\$19,865				
Repainting panels	330	\$22,534	\$10,524	\$33,058				
Totals	2,571	\$89,645	\$61,446	\$151,091				



Graffiti Pictures January 2014

Blue Line

Green Line

Gold Line

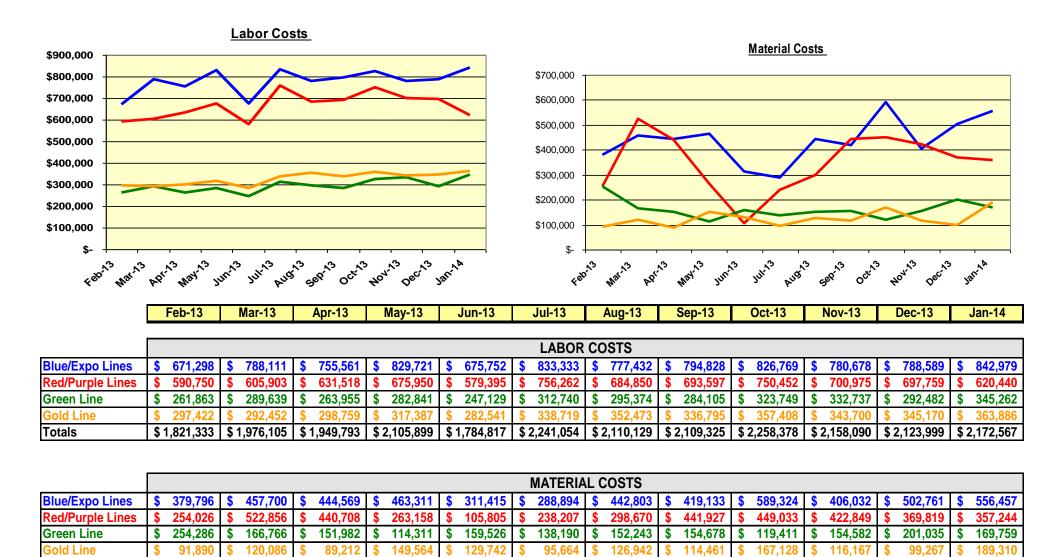








Labor and Material Costs January 2014





979.998

\$ 1.267.408

\$ 1.126.471

990.344

706,488

760.956

\$ 1.020.659

\$ 1.130.199

\$ 1.324.896

\$ 1.099.631

\$ 1.172.883

Totals

\$1,272,769

Cost Per Mile January 2014

Cost per mile:	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14
Blue/Expo Lines	\$1.83	\$1.92	\$1.88	\$2.01	\$1.56	\$1.64	\$1.80	\$1.85	\$2.04	\$1.81	\$1.96	\$2.05
Red/Purple Lines	\$1.46	\$1.78	\$1.72	\$1.47	\$1.10	\$1.57	\$1.48	\$1.78	\$1.79	\$1.77	\$1.65	\$1.52
Green Line	\$2.40	\$1.94	\$1.81	\$1.68	\$1.78	\$1.91	\$1.90	\$1.93	\$1.86	\$2.15	\$2.14	\$2.21
Gold Line	\$1.42	\$1.32	\$1.30	\$1.43	\$1.25	\$1.32	\$1.44	\$1.41	\$1.57	\$1.43	\$1.34	\$1.65





ATU Absences vs. Overtime January 2014

	3940	3941	3942	3943	3944	3947	Total
ABSENCE TYPE and HOURS	Admin.	Blue	Red	Green	Gold	Expo	Total
AWP-ABSENT W/O PERMISSION	-	-	_	1	_	_	1
BER-BEREAVEMENT	-	64	40	40	_	_	144
CTO-COMPENSATORY TIME OFF	36	299	308	135	112	65	955
CUT-EMPLOYEE LEAVES EARLY	-	0	2	-	_	_	2
CVA - CASUAL VACATION	8	100	368	94	120	-	690
DSL-DISABILITY LEAVE/LONG	_	480	168	168	8	_	824
EFH-EMG. FLOAT HOL.	_	56	32	24	8	_	120
ETO-EXCUSED TIME OFF	1	52	48	23	59	2	185
FMI-FAM IND INJURY	-	56	_	8	_	_	64
FML-FAMILY CARE LEAVE	80	544	855	288	176	-	1,942
FMS-FAMILY LEAVE SICK	36	152	318	80	_	_	586
HLF-HOLIDAY FLOATING	_	264	220	104	104	_	692
HNP-HOLIDAY NOT PAID	-	-	8	-	_	_	8
HOL-HOLIDAY LEGAL	64	480	504	128	88	24	1,288
JUR-JURY DUTY	_	8	_	8	_	_	16
LC1-LABOR CODE 233	16	288	246	138	180	_	867
LTI-OCCPIL/LONGTRM INJ LEAVE	_	_	_	272	168	_	440
OWP-OFF WITH PERMISSION	-	-	4	-	1	_	5
RTO-REQUESTED TIME OFF-NO PAY	_	96	_	4	_	6	106
SCK-SICK PAY	16	176	192	132	40	_	556
SCW-SICK WITHOUT PAY	_	310	104	64	8	_	486
TAR-TARDY	0	3	0	1	1	_	6
VAC-VACATION	76	464	732	248	252	9	1,781
Total Absence Hours	334	3,893	4,148	1,959	1,325	106	11,765
ATU Number of Work Force (assigned)	8	120	112	47	47	5	339
Full Work Force hours/month	1,386	20,796	19,410	8,145	8,145	867	58,749
Absence as a % of Work Force	24%	19%	21%	24%	16%	12%	20%

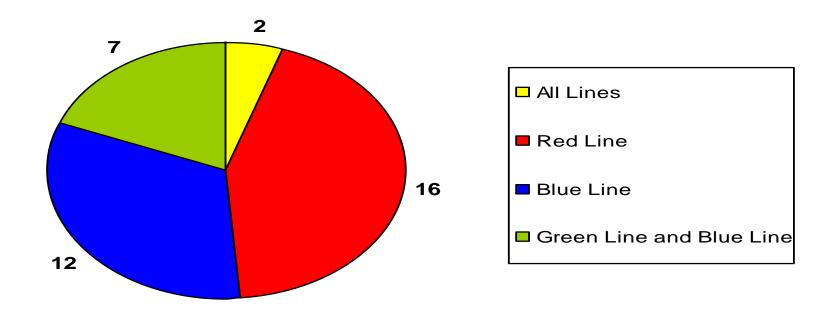
OVERTIME TYPE and HOURS	3940 Admin.	3941 Blue	3942 Red	3943 Green	3944 Gold	3947 Expo	Total
CTB-COMPENSATORY TIME TO BANK	9	136	94	37	74	42	392
OTP-PREM OVERTIME	586	5,729	4,578	2,258	1,761	210	15,122
WLO-Worked Lunch Overtime	25	153	211	140	102	6	637
Total Overtime Hours	620	6,018	4,882	2,435	1,937	258	16,151
Overtime as a % of Work Force	45%	29%	25%	30%	24%	30%	27%
FTE Calculation - Absence & OT Hours	3940	3941	3942	3943	3944	3947	<u>Total</u>
Absences FTE	2	22	24	11	8	1	68
OTP FTE	4	35	28	14	11	1	93
FTE Difference	-2	-13	-4	-3	-3	0	-25



Note: Overtime also covers other required activities.

Rail Vehicle Engineering Project Summary January 2014

Engineering Technical Specifications 100% Completion - Total of 37 January 2014

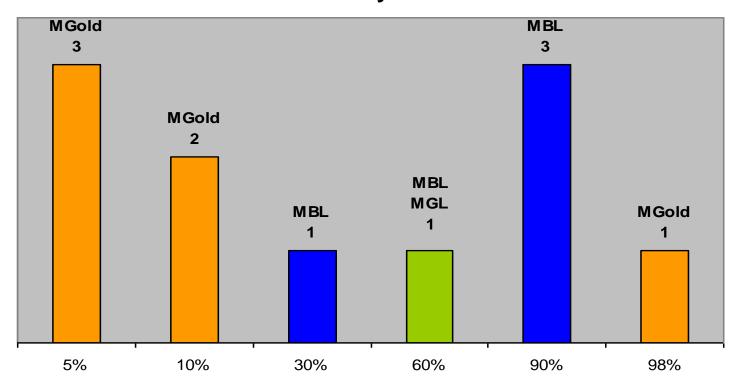




Details of specifications are available upon request.

Rail Vehicle Engineering Project Summary (cont'd) January 2014

Engineering Technical Specifications
Less than 100% Completion - Total of 11
January 2014

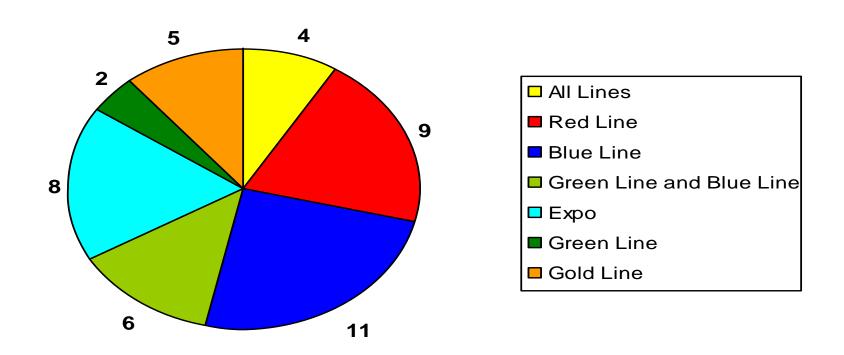


Details of specifications are available upon request.



Rail Vehicle Engineering Project Summary (cont'd) January 2014

Engineering Projects 100% Completion - Total of 45 January 2014

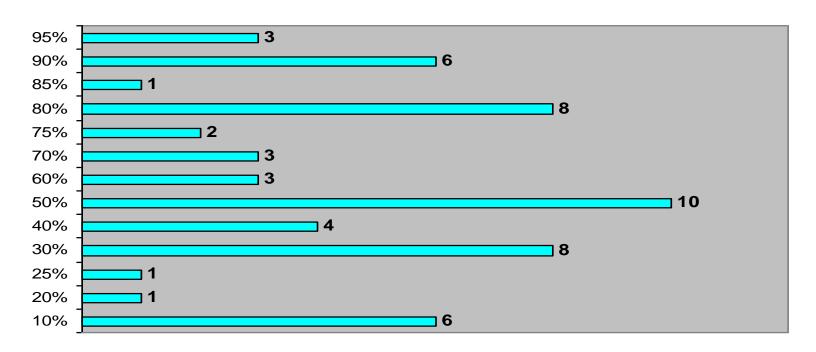


Details of projects are available upon request.



Rail Vehicle Engineering Project Summary (cont'd) January 2014

Engineering Projects
Less than 100% Completion - Total of 56 - All Lines
January 2014



Details of projects are available upon request.



QA-Warranty Activities January 2014

- QA PMI Audits, Spot Checks, Unannounced Audits performed (42)
- On-Going, P2550 parts tracking: Contract Spares, Capital Spares status to ABI
- P2550 Loaned Parts 35 line items
- On-Going, Division Warranty Parts Claims Processing
- P2550 Traction Motor Junction Box Overheated lugs repairs in progress
- P2550 Support of analog converter valves
- P2550 (Lamellar Seal) Truck Resilient Pin Bushing fleet failure declared (Action pending ABI)
- P2550 40 of 50 Cars have new profile connection beam installed. 13 of 50 Cars with replacement resilient pins and bushings and connection beam.
- A650 Base Buy & Option Car Fleet Warranty Truck Frame Mod Campaign (151 of 216 Trucks modified to date). MRL Warranty Cost Avoidance savings accrued to date
 \$2.26 million.
- MBL SmartDrive test installation of 25 vehicles complete
- MBL journal bearing replacement "C" truck program in progress
- MBL LED Destination sign program in progress
- MBL/MGL Support of P2000 Air Compressor/ Air dryer
- On-Going Warranty-QA interest oversight & tracking: Overhauls / Mod Programs,
 (A650/P2000/P2020/865/P2550) Propulsion System, Master Controllers, Capacitor Banks,
 Air Compressors, Aux Power, Couplers, Gearboxes, Articulation Diaphragms, Friction
 Brakes, HPT's, Brake Resistor Grids, T/M's, MA's, HVAC, Doors, A/C Motors (Blowers & Evaporators)



RFS Instruction Department Activities January 2014

Training classes completed during the month of January 2014

Description	Course Hours	Student Count	Training Hours	
F				•
Blue & Expo Line Training - (P865/2020 & P2000 LRV):				
RFS PROTRAN1 TRAINING	1	5	5	
WAYSIDE WORKER PROTECTION	4	3	12	
RFS 865/2020 M.A. & LVPS	52	7	364	
RFS 865/2020 ATP & TWC RFS 865/2020 FRICTION BRAKES	48 32	7 1	336 32	
Total Blue Line	Training	(Hours):	749	-
	_			
Red Line Training (Breda A650 HRV): RFS BREDA 650 TRUCKS & CAR BODY	24	8	192	
RFS BREDA 650 LIGHT & DEST SIGN	8	7	56	
RFS BREDA 650 TICU	16	8	128	
RFS BREDA 650 COMMUNICATIONS	12	8	96	
Total Red Line	Training	(Hours):	472	-
Gold Line Training (passe LDVs).				
Gold Line Training (P2550 LRVs): RFS ANSALDOBREDA 2550 EVENT RECORDER	16	21	336	
Total Gold Line	Training	(Hours):	336	-
Total RFS Instruction for the month of Janu	ary 2014	(Hours):	<u>1,557</u>	
Other Instruction Activities				
Insructor Vacation & Holidays			112	
P865/P2020 Vehicle Course Preparation			32	
A650 Vehicle Course Preparation			24	
P2550 Vehicle Course Preparation			32	
Hegenschiedt Wheel Lathe Powerpoint & Lesson Plan			72	
Event Recorder & Brandt Truck Class Preparation			24	
·				
Total Other Instruction Activities	<u>i</u>		<u>296.0</u>	
Core Vehicle Training Completed	BLUE	RED	GREEN	GOLD
Percentage of core vehicle training complete:	79.9%	93.4%	94.6%	83.8%
Siemens P2000 training complete		N/A	N/A	N/A
Average Specialist Rail Experience Level in Years	: 11.7	10.0	9.8	10.1

Core Training Completed

