

Rail Fleet Services Monthly Report January 2015



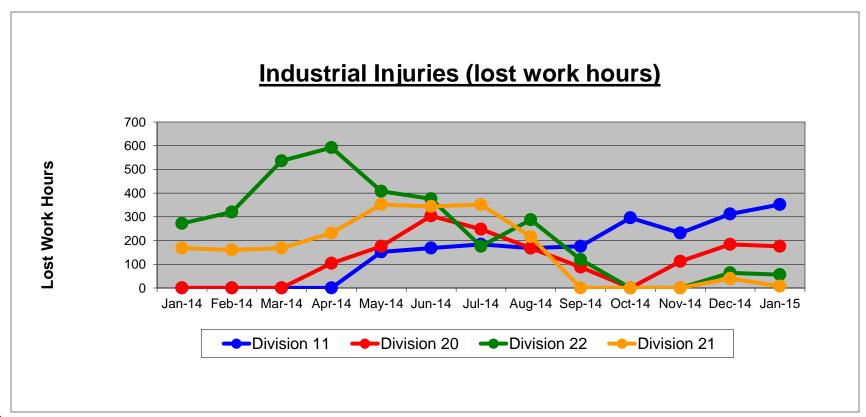
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Industrial Injuries – Lost Work Hours January 2014-2015

	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	13-Month Period
Division 11	0	0	0	0	152	168	184	168	176	296	232	312	352	2,040
Division 20	0	0	0	104	176	304	248	168	88	0	112	184	176	1,560
Division 22	272	320	536	592	408	376	176	288	120	0	0	64	56	3,208
Division 21	168	160	168	232	352	344	352	216	0	0	0	40	8	2,040
Totals	440	480	704	928	1,088	1,192	960	840	384	296	344	600	592	8,848





Rail Vehicle Accidents & Major Incidents January 2014-2015

Repair Costs	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	13-Month Period
Blue/Expo Line	\$8,370	\$15,618	\$13,690	\$72,961	\$9,463	\$9,964	\$1,528	\$207	\$42,690	\$12,945	\$5,762	\$3,463	\$9,301	\$205,962
Red/Purple Line	\$0	\$0	\$356	\$0	\$0	\$0	\$0	\$0	\$0	\$4,194	\$0	\$0	\$0	\$4,550
Green Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$267	\$0	\$0	\$0	\$267
Gold Line	\$0	\$0	\$714	\$0	\$0	\$5,860	\$50,059	\$1,669	\$0	\$0	\$0	\$5,664	\$0	\$63,966
Totals	\$8,370	\$15,618	\$14,760	\$72,961	\$9,463	\$15,824	\$51,587	\$1,876	\$42,690	\$17,406	\$5,762	\$9,127	\$9,301	\$274,745

		Rail	Vehicle Accident Costs - January 2015		
Date	Incident #	Problem Code	Incident Description	Repa	air Cos
letro Blue	/Expo Line				
1/31/15	2547743	Train vs. Vehicle	A 10-73 was reported at Track #2, Southbound, Washington and Flower.	\$	262
1/13/15	2551519	Train vs. Pedestrian	Train vs. passenger at Anaheim station.	\$	-
1/13/15	2551378	Train vs. Pedestrian	A 10-72 was reported at Track #3, Northbound, Arlington Grade Crossing.	\$	189
1/14/15	2551982	Derailment	A 10-75 was reported for the training car with the Student Operator and Instructor derailed in Blue Line Yard /north loop.	\$	3,900
1/30/15	2557538	Train vs. Pedestrian	A 10-73 was reported at Track #2, Southbound, 24th Street Grade Crossing.	\$	4,950
			Total	\$	9,301
			Grand Total	\$	9,301
(10-71) :	= Train vs. Obj	ect, (10-72) = Train vs.	Pedestrian, (10-73) = Train vs. Vehicle (10-74) = Train vs. MTA Vehicle, (10-75) = I	-	1

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.



Service Delivery January 2015

January 2015 - Service Delivery

Blue/Expo Line Fleet Size: 92

Pull Out	Vehicles Required	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	78	78	100%
Weekend:	60	66	110%

Late Pullouts: 1

Monthly Mileage: 661,426

Red/Purple Line Fleet Size: 104

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	74	80	108%
Weekend:	54	64	119%

Late Pullouts: 0

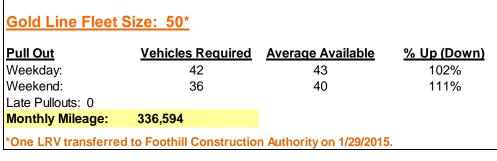
Monthly Mileage: 627,528

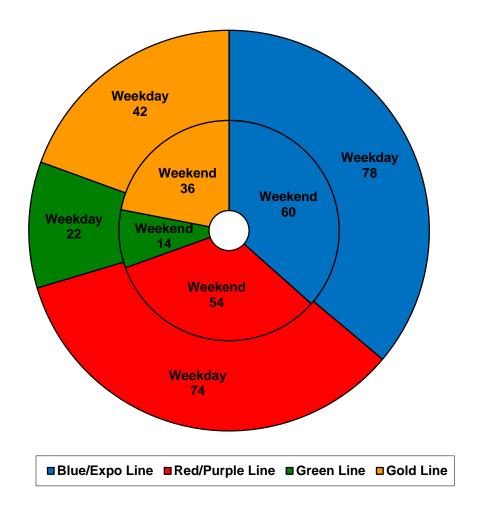
Green Line Fleet Size: 29

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	22	22	100%
Weekend:	14	15	107%

Late Pullouts: 0

Monthly Mileage: 228,801

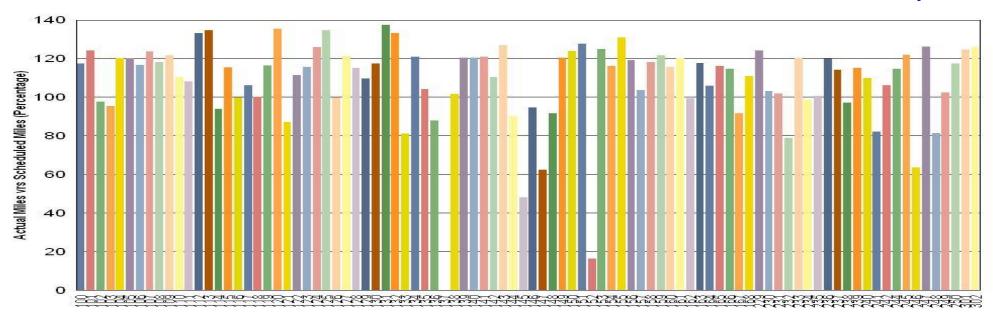






Vehicle Utilization January 2015

Metro Blue/Expo Line



Blue/Expo Line:

Car # 137 Out of service due to Major Accident Repair

Car # 152 Out of service for Interior Work

Green Line:

Car # 206 On hold for Electromagnetic Interference Fault

Car # 208 On hold for Propulsion Troubleshooting Car # 216 On hold for Exterior Body Rehab



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Metro Green Line

Vehicle Utilization January 2015

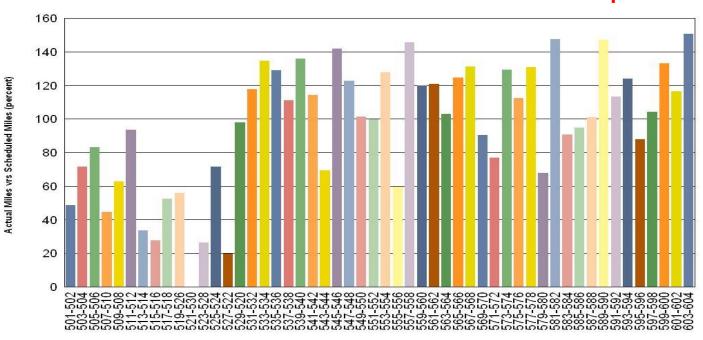
Metro Red/Purple Line

Red/Purple Line:

The following cars were out of service due to: Car # 513-514 Waiting for blower motor Car # 515-516 Propulsion Failure Car # 521-530 Traction Motor and Truck Rebuild

Car # 523-528 High Speed Circuit Breaker Burnt

Car # 527-522 High Speed Circuit Breaker Burnt and waiting for blower motor

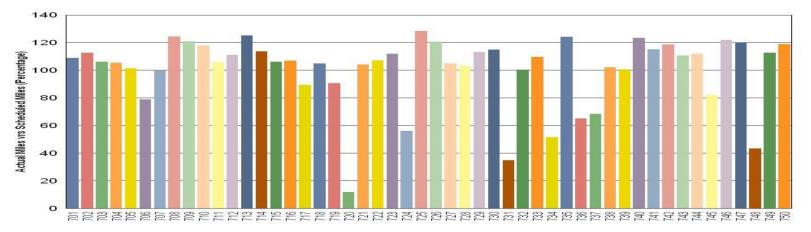


Metro Gold Line

Gold Line:

Car # 720 & 731 On hold for Preventive Maintenance

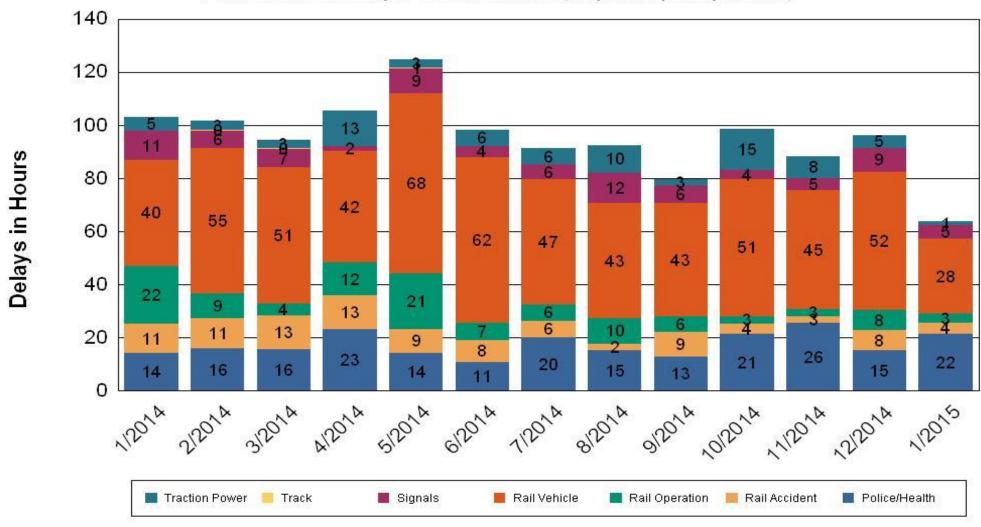




All Train Delays (Hours) January 2014-2015

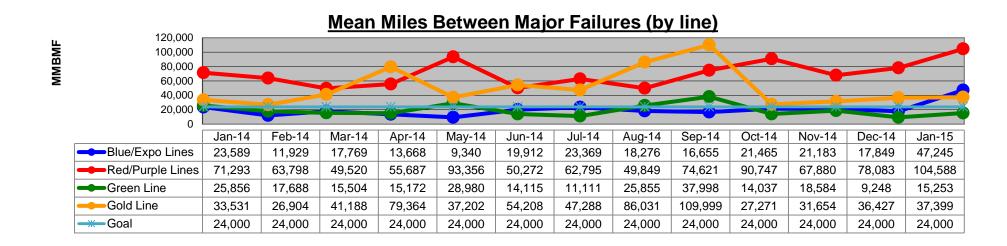
All Train Delays

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

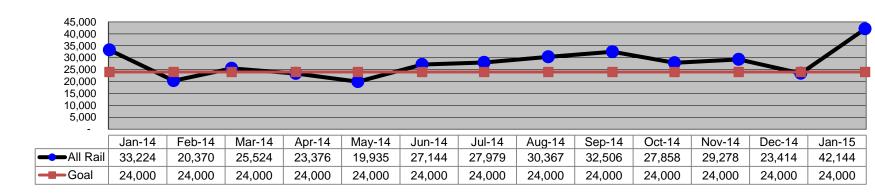




Mean Miles Between Failures (Major) January 2014-2015



Mean Miles Between Major Failures (all)

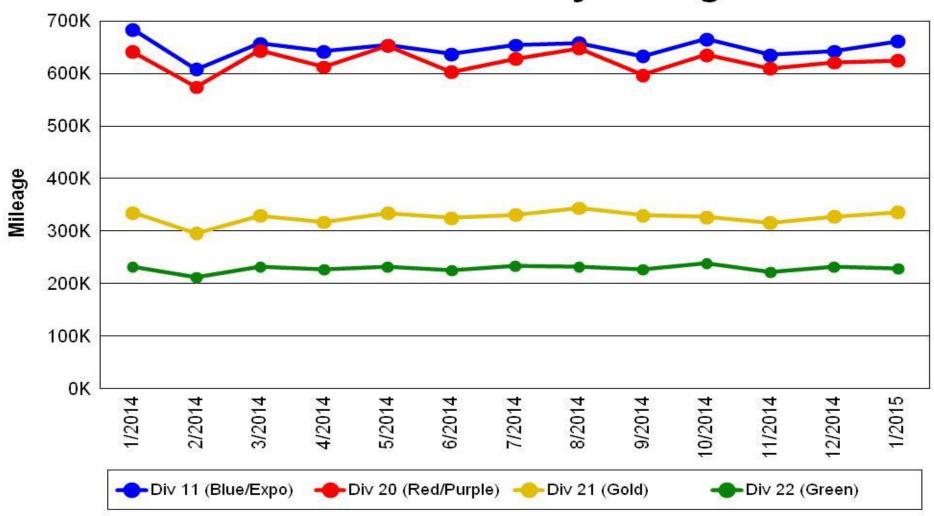




MMBMF

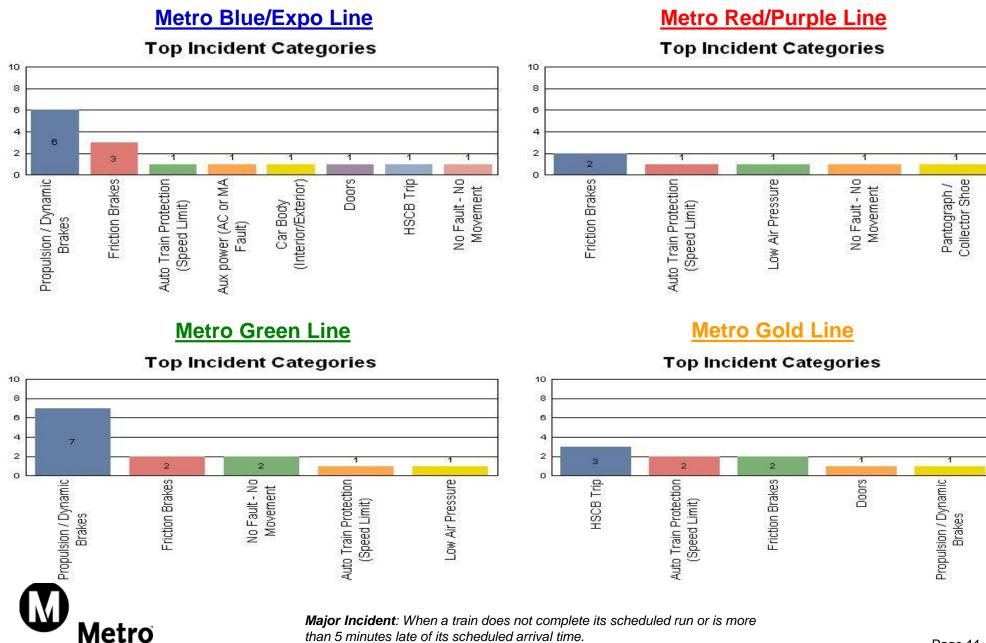
Mileage Between Data Range (by month) January 2014-2015

Rail Division Monthly Mileage





Top Incident Categories January 2015



Major Incidents January 2014-2015

Numbers of Major System Failures (by Line)



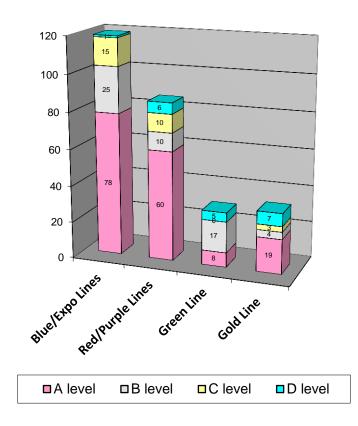


Preventive Maintenance Compliance January 2014-2015

PM Compliance	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Blue/Expo Lines	100%	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%	100%	97%*	100%	100%	100%	100%	97%	100%	100%
Gold Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Number of I	Number of Preventive Maintenance Inspections - January 2015													
Line	A level	B level	C level	D level	Totals									
Blue/Expo Lines	78	25	15	1	119									
Red/Purple Lines	60	10	10	6	86									
Green Line	8	17	0	5	30									
Gold Line														
Totals: 165 56 28 19 268														

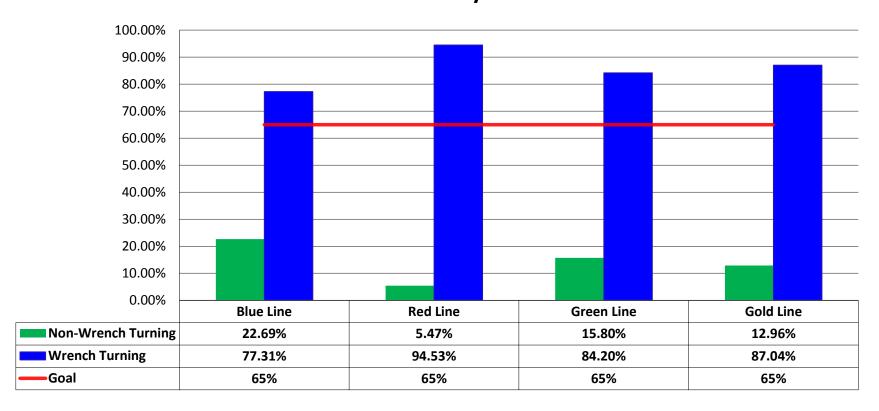
Explanation of Pl	M Inspection levels	Miles								
Line	Туре	A level	B level	C level	D level					
Blue/Expo Lines	P865/P2020	5,000	15,000	30,000	60,000					
Blue/Expo Lines	P2000	7,500	22,500	45,000	90,000					
Red/Purple Lines	A650	7,500	22,500	45,000	90,000					
Green Line	P2000	7,500	22,500	45,000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





RFS Wrench Turning January 2015

RFS - Wrench Turning January 2015

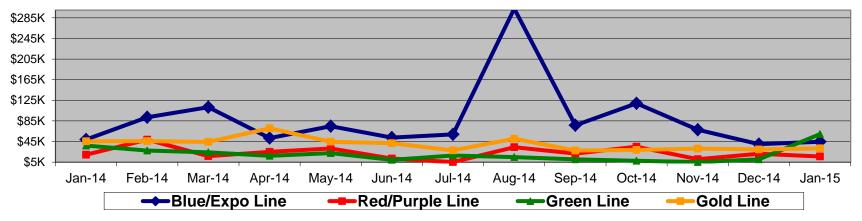


Notes: Labor hours contributed by Maint Specialist Leader, Rail Body/Paint Repair Leader, and Maint Specialist Temporary Leader



Vandalism & Graffiti Report January 2014-2015

						Graffiti	Costs							
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	13-Month Period
Blue/Expo Line	\$49K	\$92K	\$112K	\$52K	\$75K	\$53K	\$59K	\$303K	\$77K	\$119K	\$68K	\$40K	\$45K	\$1142K
Red/Purple Line	\$19K	\$49K	\$17K	\$25K	\$32K	\$12K	\$5K	\$34K	\$22K	\$35K	\$11K	\$21K	\$16K	\$297K
Green Line	\$37K	\$27K	\$24K	\$17K	\$22K	\$9K	\$18K	\$15K	\$10K	\$8K	\$5K	\$10K	\$59K	\$264K
Gold Line	\$46K	\$46K	\$44K	\$71K	\$45K	\$42K	\$28K	\$51K	\$28K	\$29K	\$31K	\$30K	\$32K	\$520K
Totals:	\$151K	\$214K	\$197K	\$165K	\$173K	\$116K	\$110K	\$402K	\$136K	\$190K	\$115K	\$102K	\$152K	\$2,222K



January 2015 Vandalism & Graffiti - All Rail											
	Qty	Labor	Materials	Totals							
Windows Replaced	59	\$ 13,121	\$ 14,845	\$ 27,966							
Vandal Shields Replaced	781	\$ 19,698	\$ 17,424	\$ 37,122							
Seats Cleaned	473	\$ 1,682	\$ -	\$ 1,682							
Seats Inserts Replaced	182	\$ 5,351	\$ 6,928	\$ 12,279							
Graffiti Removal - Other	865	\$ 42,798	\$ 11,993	\$ 54,791							
Repainting											
Panels	228	\$ 14,364	\$ 3,505	\$ 17,869							
Totals	2.588	\$ 97.014	\$ 54.695	\$ 151.709							



Graffiti Pictures January 2015

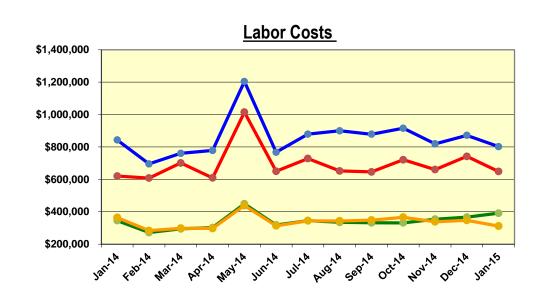
Blue Line







Labor and Material Costs January 2014-2015





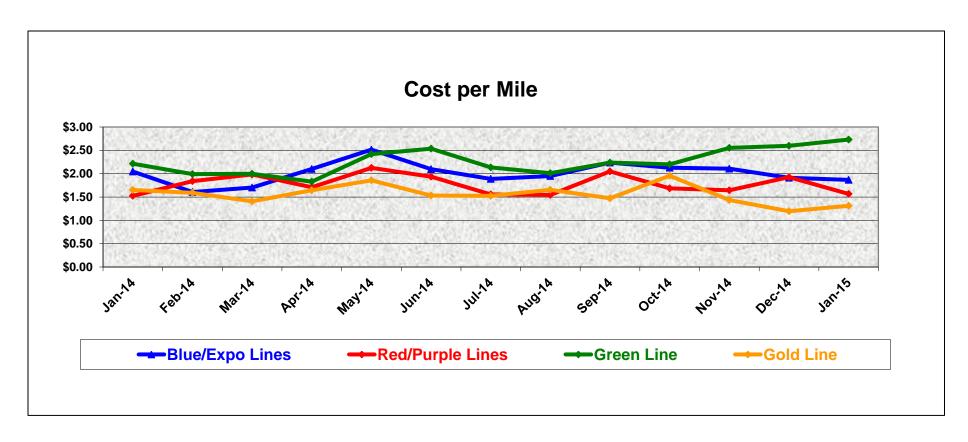
	Jan-14	Feb-14	Mar-14	Apr-14	May-14*	Jun-14		Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
							La	bor Costs						
Blue/Expo Lines	\$ 842,979	\$ 695,394	\$ 760,511	\$ 778,469	\$ 1,204,234	\$ 767,717	\$	879,339	\$ 900,043	\$ 878,598	\$ 915,432	\$ 819,497	\$ 871,682	\$ 802,256
Red/Purple Lines	\$ 620,440	\$ 608,097	\$ 701,156	\$ 608,816	\$ 1,015,092	\$ 650,226	\$	728,383	\$ 652,202	\$ 645,981	\$ 721,060	\$ 660,321	\$ 741,908	\$ 648,538
Green Line	\$ 345,262	\$ 271,877	\$ 294,381	\$ 302,213	\$ 449,117	\$ 318,516	\$	345,270	\$ 334,772	\$ 331,870	\$ 331,661	\$ 354,058	\$ 366,422	\$ 391,161
Gold Line	\$ 363,886	\$ 283,563	\$ 298,069	\$ 297,634	\$ 438,759	\$ 313,589	\$	344,331	\$ 343,246	\$ 348,288	\$ 366,248	\$ 338,610	\$ 347,182	\$ 311,868
Totals	\$ 2,172,567	\$ 1,858,931	\$ 2,054,117	\$ 1,987,132	\$ 3,107,202	\$ 2,050,048	\$	2,297,323	\$ 2,230,262	\$ 2,204,736	\$ 2,334,400	\$ 2,172,486	\$ 2,327,193	\$ 2,153,823

						ı	Nate	erial Costs	S						
Blue/Expo Lines	\$ 556,457	\$ 282,466	\$ 359,845	\$ 570,775	\$ 440,576	\$ 567,257	\$	355,405	\$	382,184	\$ 536,100	\$ 500,390	\$ 518,334	\$ 355,729	\$ 433,347
Red/Purple Lines	\$ 357,244	\$ 448,225	\$ 575,495	\$ 437,612	\$ 373,815	\$ 516,934	\$	247,048	\$	348,370	\$ 576,230	\$ 349,031	\$ 343,936	\$ 460,076	\$ 334,623
Green Line	\$ 169,759	\$ 150,881	\$ 170,250	\$ 113,979	\$ 111,344	\$ 254,264	\$	153,001	\$	133,386	\$ 178,206	\$ 193,176	\$ 214,902	\$ 234,118	\$ 233,318
Gold Line	\$ 189,310	\$ 186,640	\$ 166,216	\$ 224,430	\$ 183,115	\$ 183,869	\$	160,751	\$	225,818	\$ 137,883	\$ 274,059	\$ 116,179	\$ 44,498	\$ 130,036
Totals	\$ 1,272,769	\$ 1,068,212	\$ 1,271,807	\$ 1,346,796	\$ 1,108,849	\$ 1,522,323	\$	916,204	\$	1,089,759	\$ 1,428,418	\$ 1,316,657	\$ 1,193,351	\$ 1,094,420	\$ 1,131,324



Cost Per Mile January 2014-2015

Cost per mile:	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15
Blue/Expo Lines	\$2.05	\$1.61	\$1.70	\$2.10	\$2.52	\$2.10	\$1.89	\$1.95	\$2.24	\$2.13	\$2.11	\$1.91	\$1.87
Red/Purple Lines	\$1.52	\$1.84	\$1.98	\$1.71	\$2.13	\$1.93	\$1.55	\$1.54	\$2.05	\$1.68	\$1.64	\$1.92	\$1.57
Green Line	\$2.21	\$1.99	\$2.00	\$1.83	\$2.42	\$2.54	\$2.14	\$2.01	\$2.24	\$2.20	\$2.55	\$2.60	\$2.73
Gold Line	\$1.65	\$1.59	\$1.41	\$1.64	\$1.86	\$1.53	\$1.53	\$1.65	\$1.47	\$1.96	\$1.44	\$1.19	\$1.31





ATU Absences vs. Overtime January 2015

ABSENCE TYPE and HOURS	3941 & 3947 Blue & Expo	3942 Red	3943 Green	3944 Gold	Total
AWP-ABSENT W/O PERMISSION	-	-	33	_	33
BER-BEREAVEMENT	40	_	40	24	104
CTO-COMPENSATORY TIME OFF	251	296	188	128	863
CUT-EMPLOYEE LEAVES EARLY	1	-	-	0	1
DSL-DISABILITY LEAVE/LONG	880	16	352	88	1,336
EFH-EMG. FLOAT HOL.	16	64	8	40	128
ETO-EXCUSED TIME OFF	80	61	16	51	207
FMI-FAM IND INJURY	-	176	176	-	352
FML-FAMILY CARE LEAVE	856	532	316	43	1,747
FMS-FAMILY LEAVE SICK	92	140	84	19	335
HLF-HOLIDAY FLOATING	152	168	104	136	560
HNP-HOLIDAY NOT PAID	-	-	24	24	48
HOL-HOLIDAY LEGAL	480	448	120	96	1,144
II-INDUSTRIAL INJURY	-	-	56	-	56
IIR-INDUS INJURY -REOCCUR.	-	176	-	-	176
LC1-LABOR CODE 233	304	279	92	160	835
LTI-OCCPIL/LONGTRM INJ LEAVE	352	-	-	8	360
OWP-OFF WITH PERMISSION	-	4	1	1	4
RTO-REQUESTED TIME OFF-NO PAY	48	-	24	1	72
SCK-SICK PAY	104	252	87	192	635
SCW-SICK WITHOUT PAY	10	18	16	1	44
TAR-TARDY	2	1	1	1	4
VAC-VACATION	904	923	214	360	2,401
Total Absence Hours	4,571	3,555	1,950	1,368	11,444
ATU Number of Work Force (budget)	125	104	46	48	323
Full Work Force hours/month	21,663	18,023	7,972	8,318	55,976
Absence as a % of Work Force	21%	20%	24%	16%	20%

OVERTIME TYPE and HOURS	3941 & 3947 Blue & Expo	3942 Red	3943 Green	3944 Gold	Total
CTB-COMPENSATORY TIME TO BANK	264	181	98	80	622
OTP-PREM OVERTIME	5,708	4,174	2,797	1,524	14,203
WLO-Worked Lunch Overtime	157	221	84	47	509
Total Overtime Hours	6,129	4,576	2,979	1,650	15,334
Overtime as a % of Work Force	28%	25%	37%	20%	27%



Note: Overtime also covers other required activities, including Training, Component Overhaul, and Special Events.