



Rail Fleet Services Monthly Report August 2017

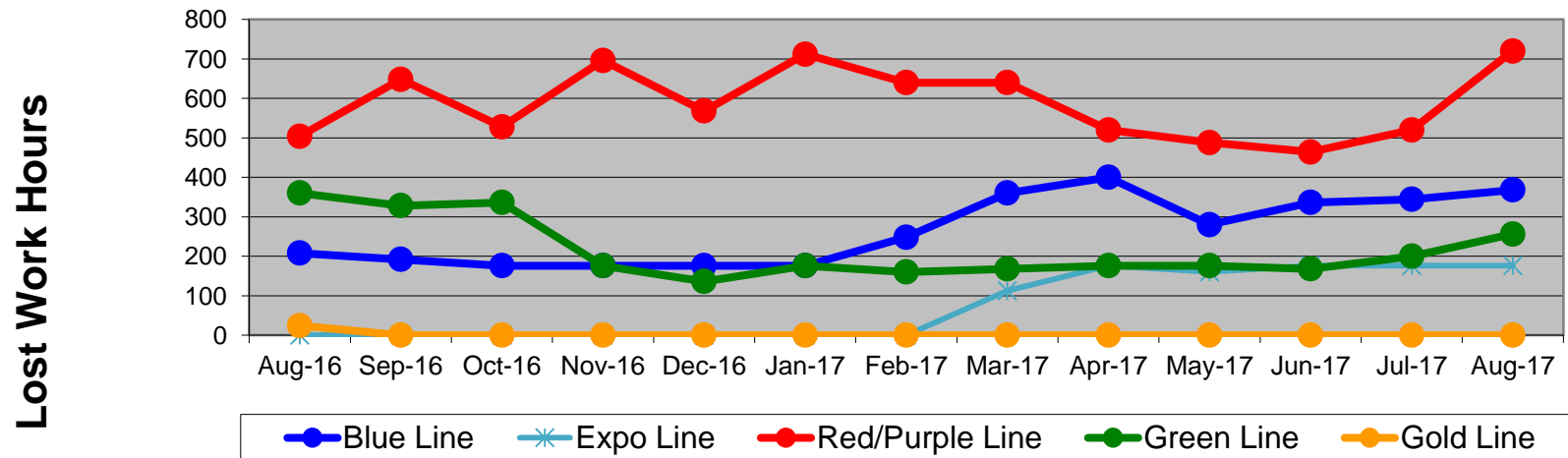
Table of Contents

•	Safety & Cleanliness		
	- Industrial Injuries	Page	3
	- Rail Vehicle Accidents & Major Incidents	Page	4
	- Car Cleanliness	Page	5
•	Customer Service		
	- Service Delivery – AM/PM Pull-Outs	Page	6
	- Vehicle Utilization – Red Line	Page	7
	- Vehicle Utilization – Blue Line & Expo Line	Page	8
	- Vehicle Utilization – Green Line & Gold Line	Page	9
	- All Train Delay Incidents	Page	10
	- Mean Miles Between Failures (Major) & MMBF by Division	Page	11-12
	- Mileage Between Data Range (by month)	Page	13
•	Business Processes		
	- Top Incident Categories	Page	14
	- Major Incidents	Page	15
	- Preventive Maintenance Compliance	Page	16
	- RFS Leader Wrench Turning	Page	17
•	Finance		
	- Vandalism & Graffiti Costs	Page	18
	- Vandalism & Graffiti Pictures	Page	19
	- Labor & Material Costs	Page	20
	- Cost per mile	Page	21
	- Absence vs. Overtime/ %Absence and %Overtime of ATU	Page	22-23
•	Growth		
	- RFS Instruction Department Activities	Page	24-25

Industrial Injuries – Lost Work Hours August 2016-2017

	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	13-Month Period
Blue Line	208	192	176	176	176	176	248	360	400	280	336	344	368	3,440
Expo Line	0	0	0	0	0	0	0	112	176	160	176	176	176	976
Red/Purple Line	504	648	528	696	568	712	640	640	520	488	464	520	720	7,648
Green Line	360	328	336	176	136	176	160	168	176	176	168	200	256	2,816
Gold Line	24	0	0	0	0	0	0	0	0	0	0	0	0	24
Totals	1,096	1,168	1,040	1,048	880	1,064	1,048	1,280	1,272	1,104	1,144	1,240	1,520	14,904

Industrial Injuries (lost work hours)



Rail Vehicle Accidents & Major Incidents

August 2016-2017

Repair Costs	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	13-Month Period
Blue Line	\$3,211	\$665	\$28,089	\$0	\$2,352	\$170,311	\$0	\$1,427	\$2,586	\$0	\$15,084	\$632	\$268	\$224,625
Expo Line	\$0	\$12,921	\$9,468	\$0	\$381	\$763	\$1,930	\$0	\$1,420	\$0	\$0	\$0	\$191	\$27,074
Red/Purple Line	\$552	\$0	\$0	\$0	\$0	\$0	\$1,032	\$0	\$0	\$0	\$0	\$0	\$0	\$1,584
Green Line	\$51,535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$334	\$0	\$0	\$0	\$0	\$51,869
Gold Line	\$0	\$0	\$5,694	\$0	\$0	\$3,789	\$15,829	\$1,871	\$191	\$2,692	\$0	\$0	\$0	\$30,066
Totals	\$55,298	\$13,586	\$43,251	\$0	\$2,733	\$174,863	\$18,791	\$3,298	\$4,531	\$2,692	\$15,084	\$632	\$459	\$335,218

Rail Vehicle Accident Costs - August 2017				
Date	Incident #	Problem Code	Incident Description	Repair Cost
Metro Blue Line				
8/2/17	2894521	Train vs. Vehicle	A 10-73 was reported.	\$ 134
8/3/17	2894990	Train vs. Vehicle	A 10-73 was reported at Hill St. and Long Beach Blvd., Track 2, SB.	\$ -
8/17/17	2899830	Train vs. Vehicle	A 10-73 was reported at Washington and Naomi, Track 1, NB.	\$ 134
Metro Blue Line Total				\$ 268
Metro Expo Line				
8/23/17	2902352	Train vs. Vehicle	A 10-73 was reported at Colorado and 11th St., Track 4, SB.	\$ 191
8/28/17	2904068	Train vs. Vehicle	A 10-73 was reported at 23rd St., Grade Crossing.	\$ -
Metro Expo Line Total				\$ 191
Metro Gold Line				
8/22/17	2901842	Train vs. Vehicle	A 10-73 was reported at Alameda and Temple Grade Crossing, Track 2, SB.	\$ -
Metro Gold Line Total				\$ -
Metro Green Line				
8/19/17	2900649	Train vs. Pedestrian	A 10-72 was reported at the Green Line Yard.	\$ -
Metro Green Line Total				\$ -
Metro Red Line				
8/19/17	2900640	Train vs. Object	Patron ran after a train on the platform at Universal City Station, slipped and fell running into the side of the train.	\$ -
Metro Red Line Total				\$ -
Grand Total				\$ 459
10-71 = Train vs. Object/ 10-72 = Train vs. Pedestrian/ 10-73 = Train vs. Vehicle/ 10-74 = Train vs. MTA Vehicle/ 10-75 = Derailment				

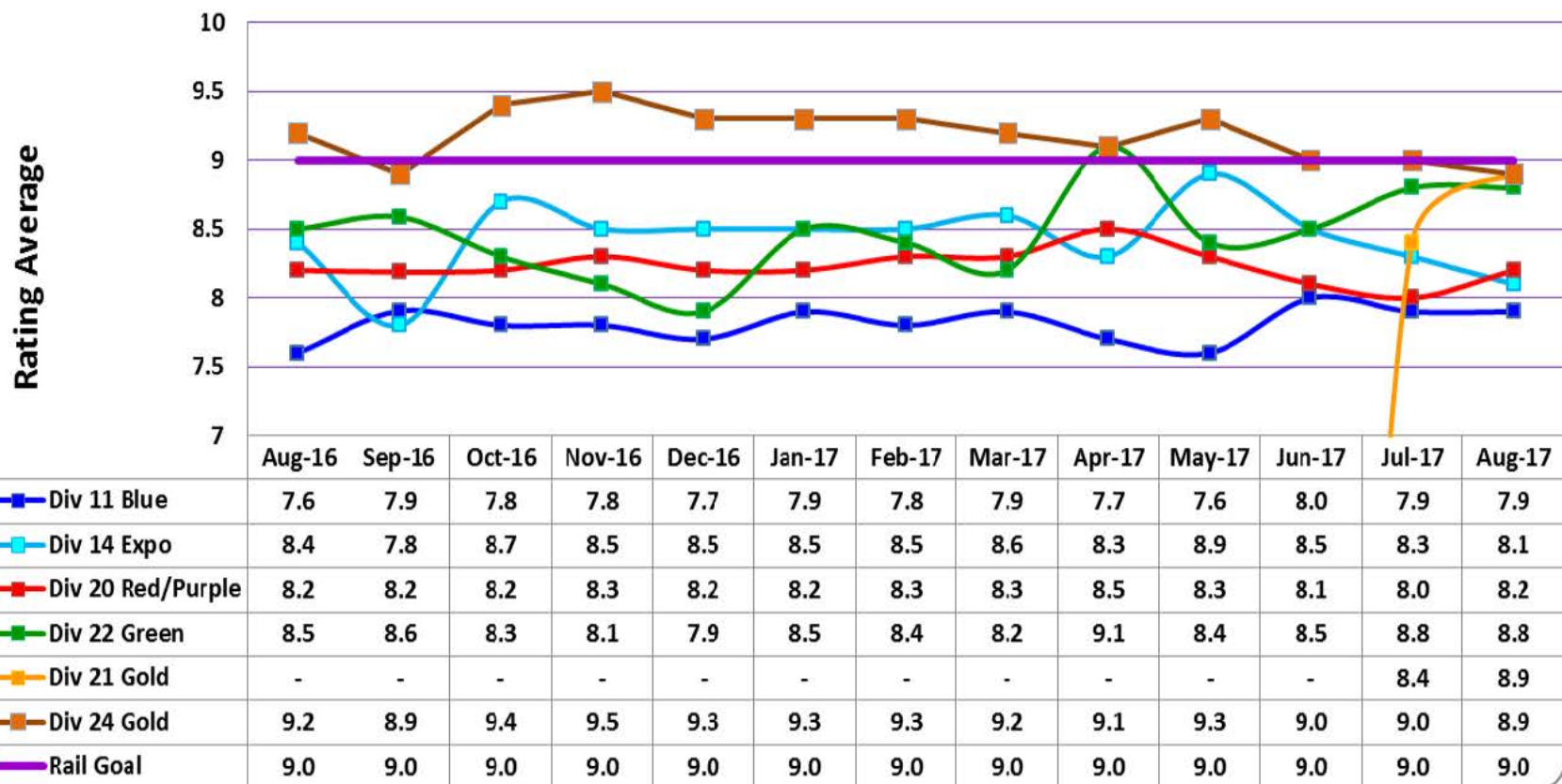


Note: Repair costs are only the expenses captured during the time period of the report. Actual costs may be significantly higher, if repairs are spread out over several months.

Rail Vehicle – Car Cleanliness

August 2016-2017

Car Cleanliness Monthly Report



Service Delivery August 2017

Blue Line Fleet Size: 94

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
*Weekday:	72	72	100%
Weekend:	26	59	227%

Monthly Mileage: 516,044

Expo Line Fleet Size: 57

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	42	42	100%
Weekend:	30	38	127%

Monthly Mileage: 293,358

Red/Purple Line Fleet Size: 102

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	64	74	116%
Weekend:	40	62	155%

Monthly Mileage: 615,382

Green Line Fleet Size: 30

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday:	22	22	100%
Weekend:	14	17	121%

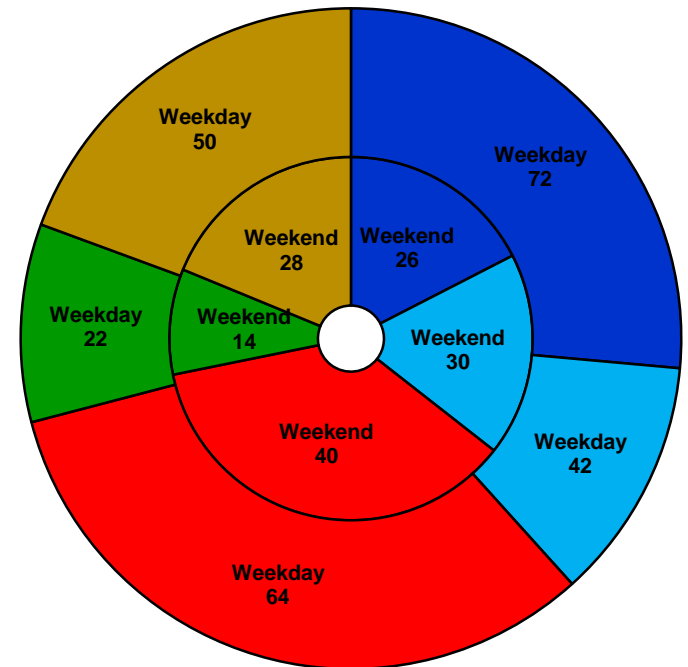
Monthly Mileage: 242,278

Gold Line Fleet Size: 65

<u>Pull Out</u>	<u>Vehicles Required</u>	<u>Average Available</u>	<u>% Up (Down)</u>
Weekday (Div 21):	10	10	100%
Weekday (Div 24):	40	43	108%
Weekend (Div 24):	28	42	150%

***Monthly Mileage: 598,698**

*** Gold Line monthly mileage includes Division 21 and 24.**

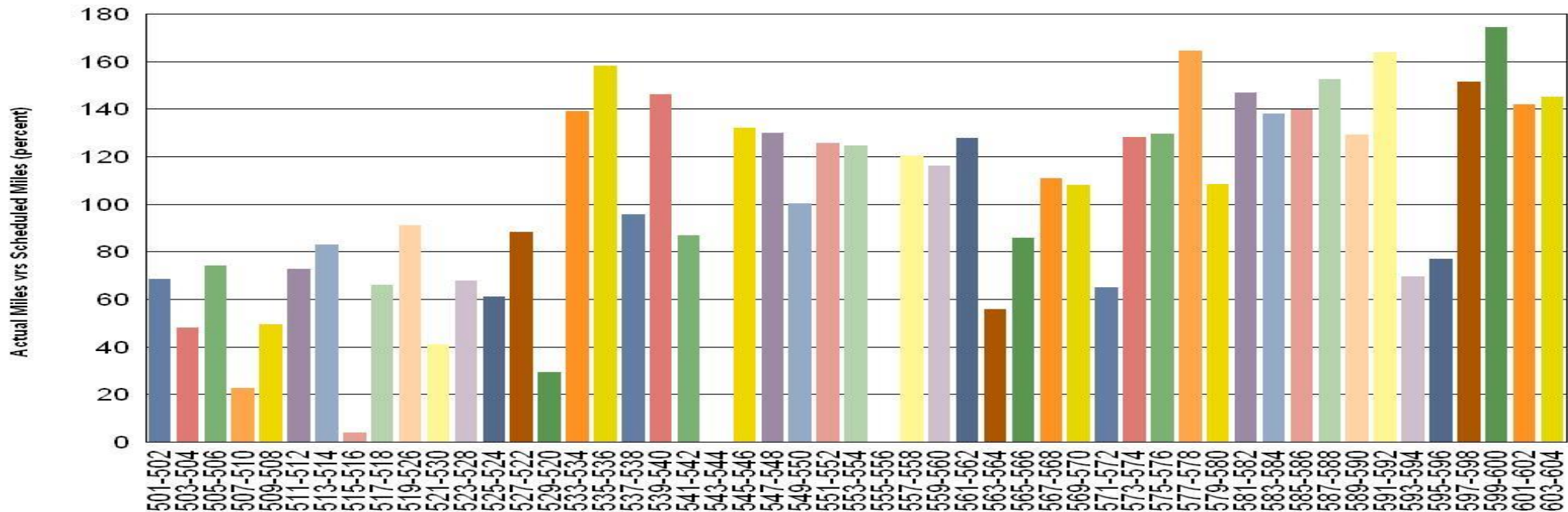


■ Blue Line ■ Expo Line ■ Red/Purple Line
■ Green Line ■ Gold Line

NOTES: Standby trains not included in vehicle requirements

Vehicle Utilization August 2017

Metro Red/Purple Line (102 Cars)



Red/Purple Line:

The following cars were out of service due to:

Car # 507-510 – LVPS Fault

Car # 515-516 – Propulsion Fault

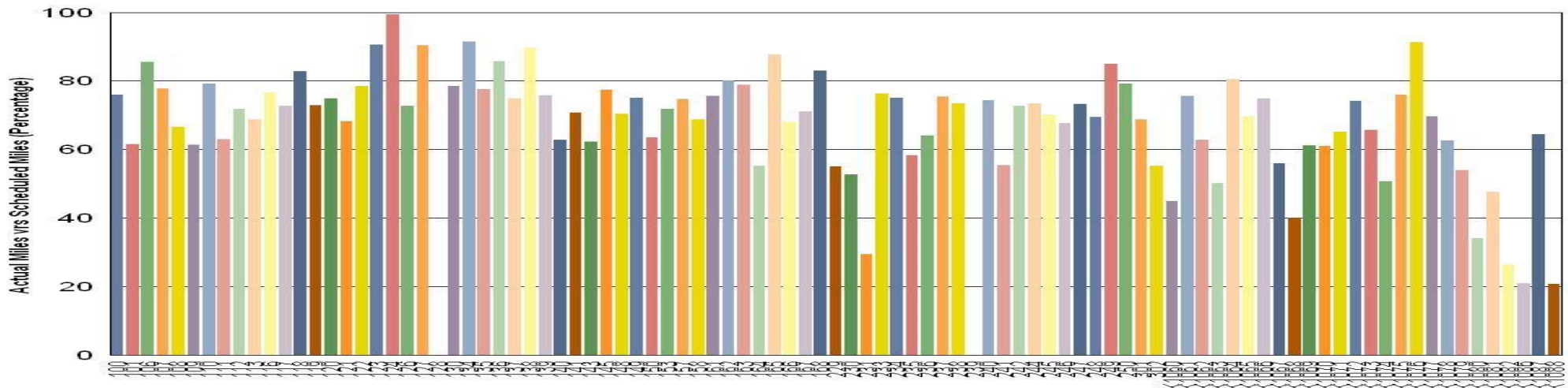
Car # 529-520 – Emergency Brake Application

Car # 543-544 – Interior Renovation Program

Car # 555-556 – Prep for Shipping out to Talgo for A650 Overhaul

Vehicle Utilization August 2017

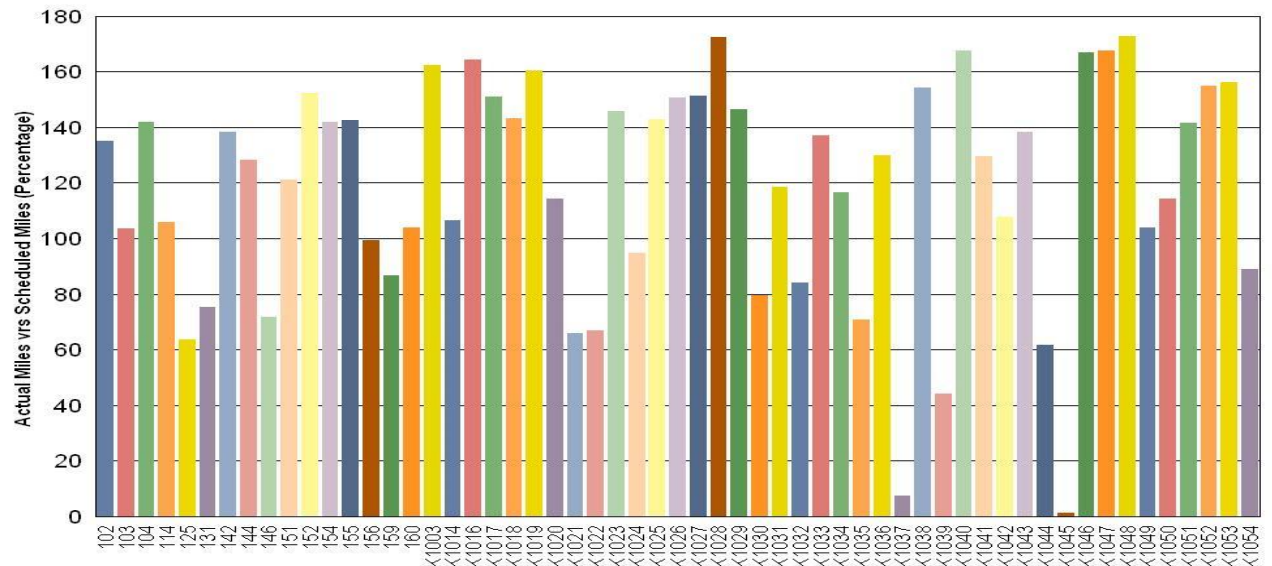
Metro Blue Line (94 Cars)



Blue Line: The following cars were out of service due to:

- Car # 128** – Decommissioned Vehicle
- Car # 231** – Exterior Paint Restoration
- Car # 239** – Accident Repair-Exterior Paint/Auxiliary Inverter
- Car # K1080** – A-end ATP Antenna
- Car # K1082** – QA Inspection / Warranty Repair
- Car # K1086** – Arrived at Division 11 on 8/25/2017
- Car # K1088** – Arrived at Division 11 on 8/25/2017

Metro Expo Line (57 Cars)



Expo Line: The following cars were out of service due to:

- Car # K1037** – 60K & Related WO's (no parts in stock)
- Car # K1045** – Door and Coupler Hook stay in Open Position Issue



Vehicle Utilization

August 2017

Green Line:

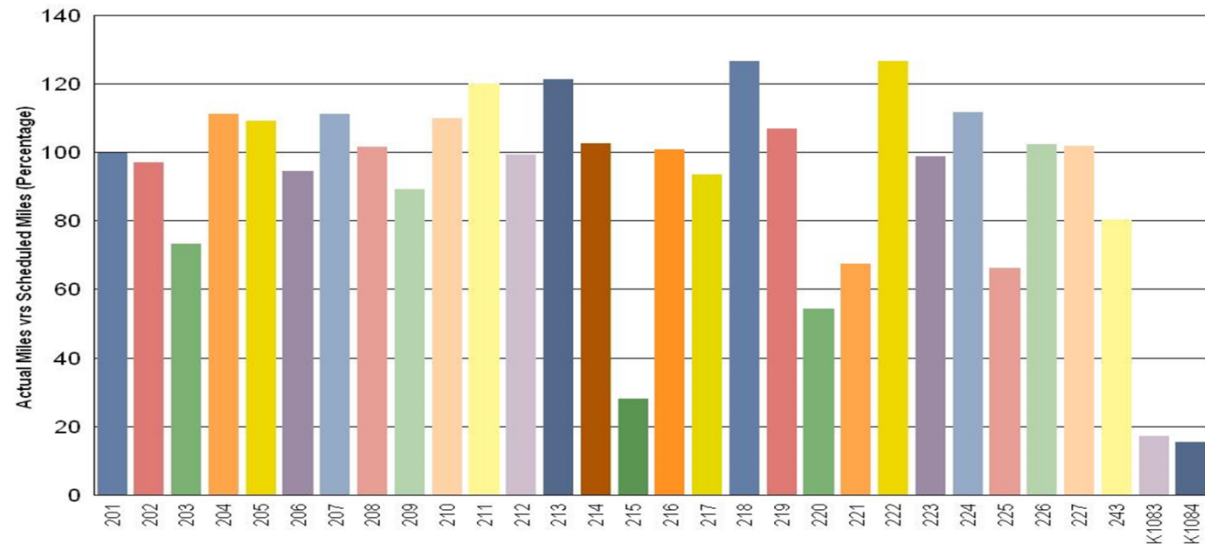
The following cars were out of service due to:

Car # 215 – 90K Inspection, Open Work Order

Car # K1083 – Being used for Transportation training

Car # K1084 – Being used for Transportation training

Metro Green Line (30 Cars)



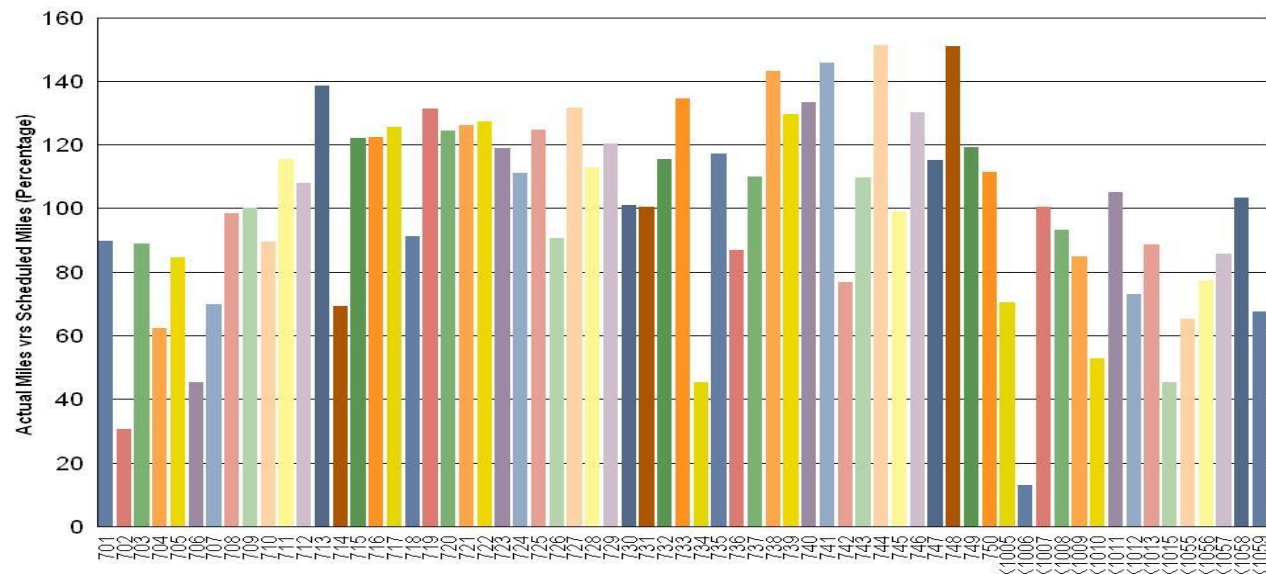
Gold Line:

The following cars were out of service due to:

Car # 702 – 120K PM Inspection, Open Work Orders

Car # K1006 – Warranty Repair (Propulsion Fault & Engineering Modification)

Metro Gold Line (65 Cars)

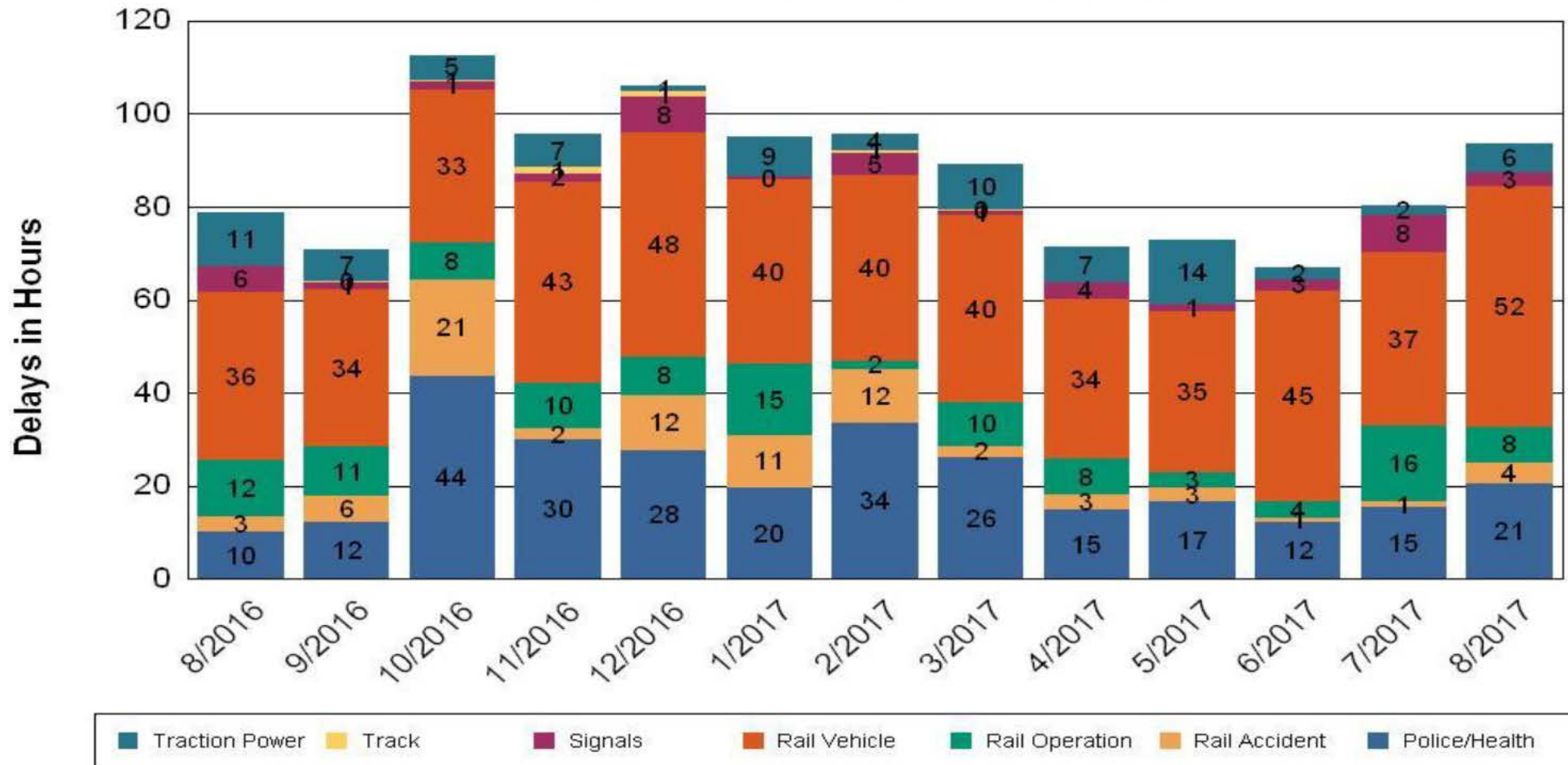


•Percentage includes an average 4% mileage deduction for yard mileage and vehicle testing.

All Train Delays (Hours) August 2016-2017

All Train Delays

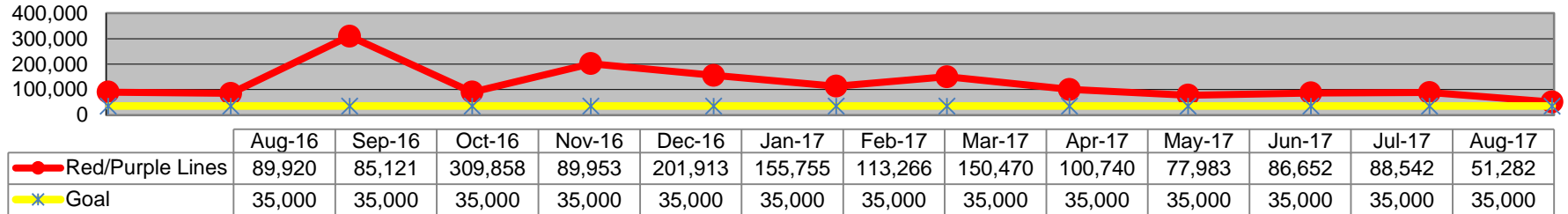
Totals Include the delay to all trains involved (not just the primary incident)



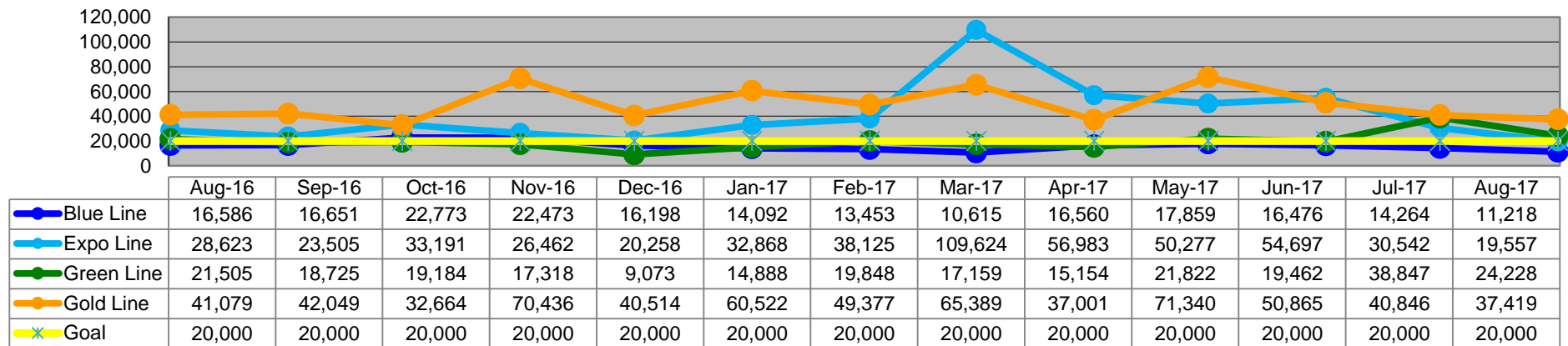
Mean Miles Between Major Failures (MMBF)

August 2016-2017

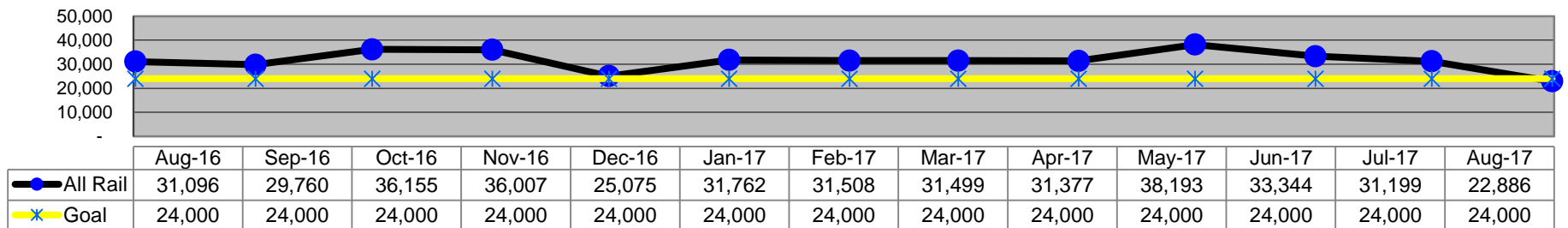
Mean Miles Between Major Failures - Heavy Rail



Mean Miles Between Major Failures - Light Rail

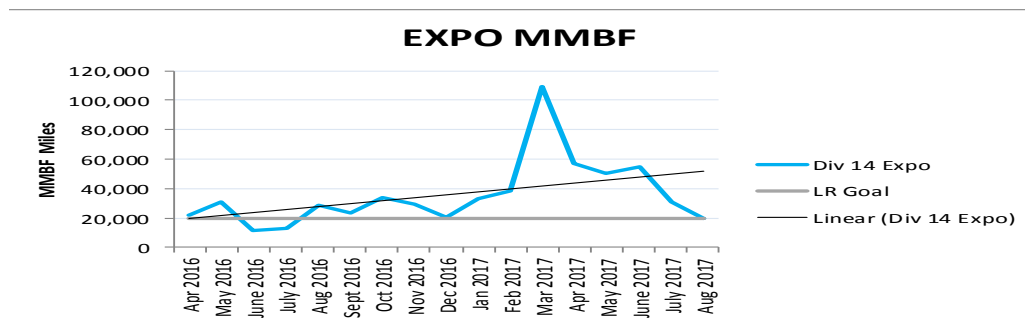
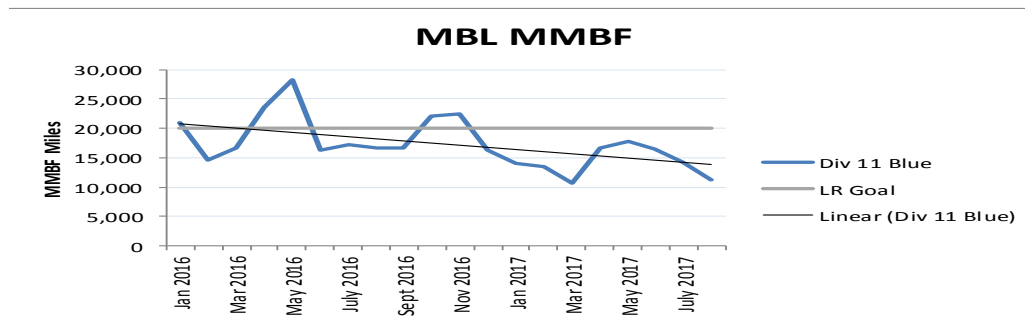
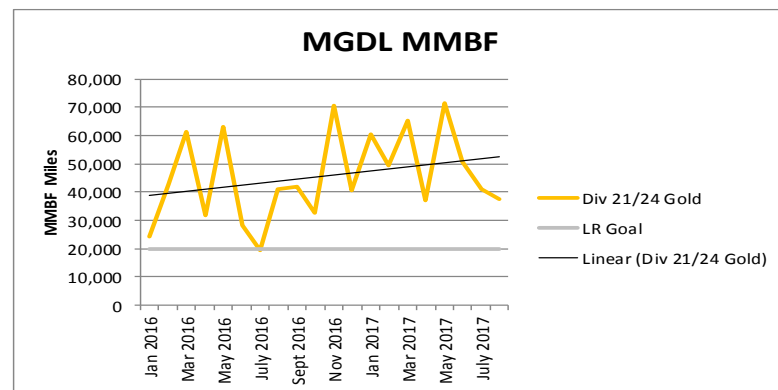
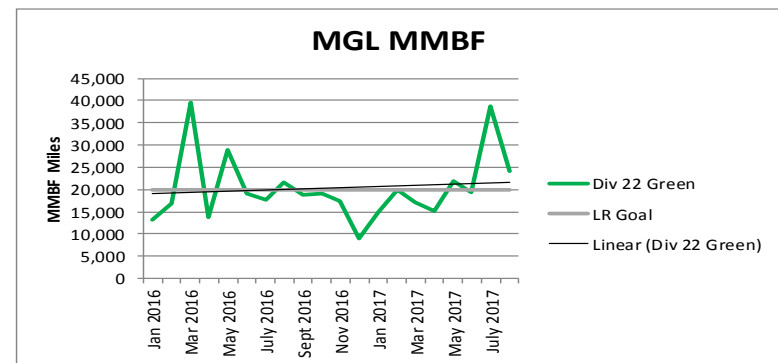
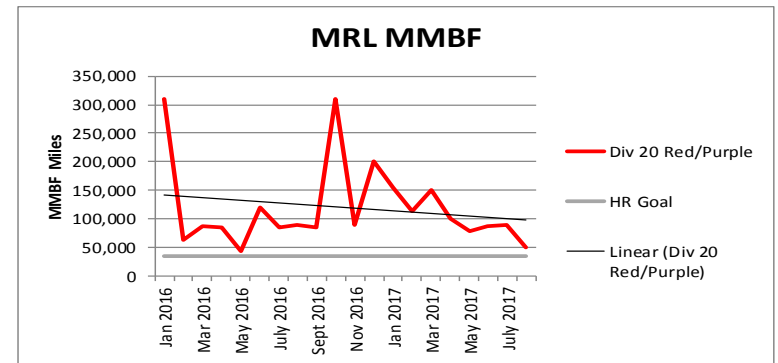


Mean Miles Between Major Failures (all)



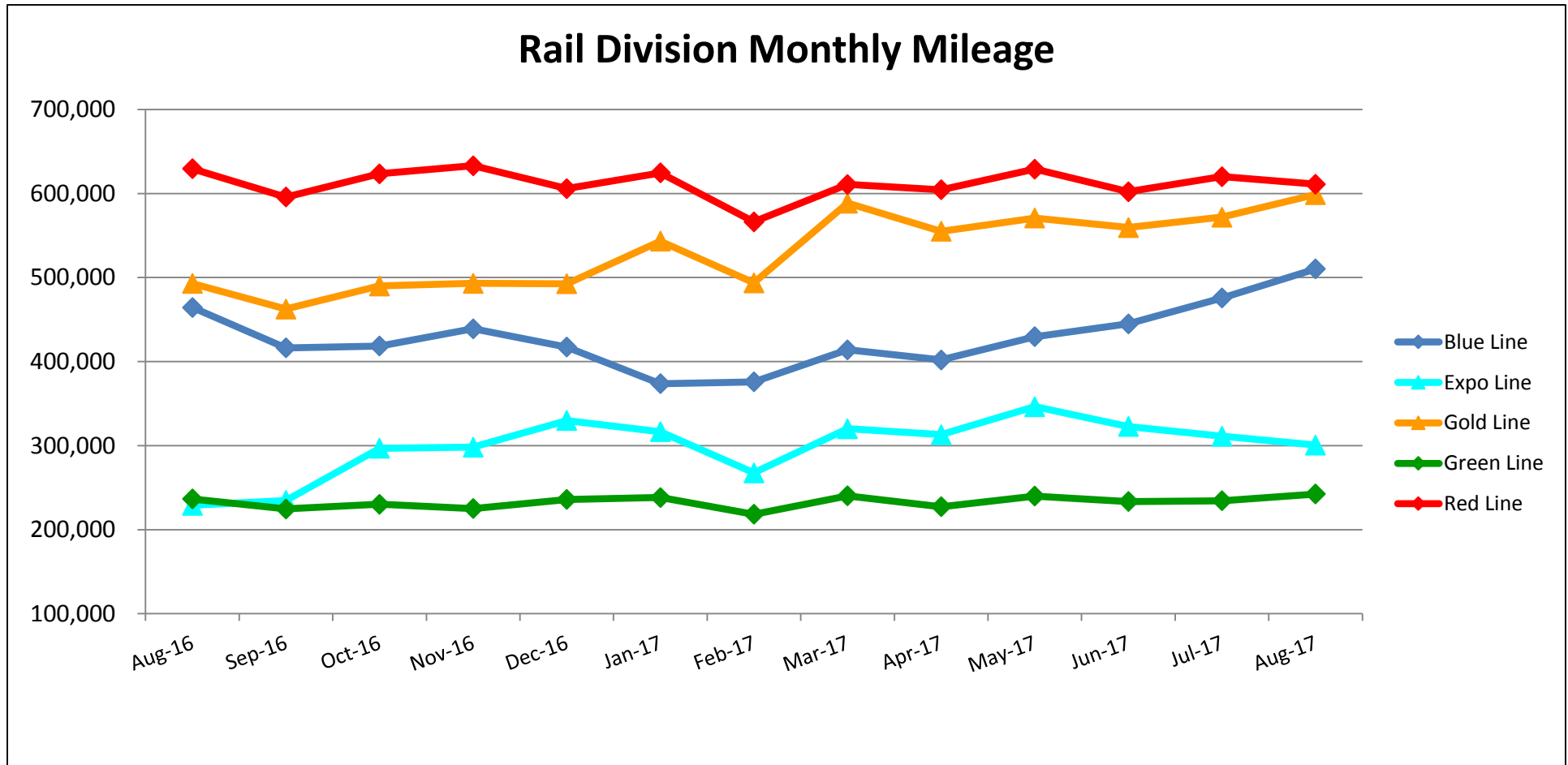
MMBF by Division August 2016-2017

Month	Div 11 Blue	Div 14 Expo	Div 20 Red/Purple	Div 22 Green	Div 21/24 Gold	LR Goal	HR Goal
Jan 2016	20,976	-	310,794	13,075	24,371	20,000	35,000
Feb 2016	14,628	-	62,876	16,751	42,632	20,000	35,000
Mar 2016	16,739	-	86,604	39,513	61,444	20,000	35,000
Apr 2016	23,513	22,195	84,909	13,853	31,658	20,000	35,000
May 2016	28,263	31,044	43,282	28,871	63,137	20,000	35,000
June 2016	16,263	11,289	120,190	19,031	28,184	20,000	35,000
July 2016	17,156	13,173	84,844	17,567	19,271	20,000	35,000
Aug 2016	16,586	28,623	89,920	21,505	41,079	20,000	35,000
Sept 2016	16,651	23,505	85,121	18,725	42,049	20,000	35,000
Oct 2016	22,027	33,606	309,858	19,184	32,664	20,000	35,000
Nov 2016	22,473	29,108	89,953	17,318	70,436	20,000	35,000
Dec 2016	16,198	20,258	201,913	9,073	40,514	20,000	35,000
Jan 2017	13,950	33,309	155,755	14,888	60,522	20,000	35,000
Feb 2017	13,453	38,125	113,266	19,848	49,377	20,000	35,000
Mar 2017	10,615	109,624	150,470	17,159	65,389	20,000	35,000
Apr 2017	16,560	56,983	100,740	15,154	37,001	20,000	35,000
May 2017	17,859	50,277	77,983	21,822	71,340	20,000	35,000
June 2017	16,476	54,697	86,652	19,462	50,865	20,000	35,000
July 2017	14,264	30,542	88,542	38,847	40,846	20,000	35,000
Aug 2017	11,218	19,557	51,282	24,228	37,419	20,000	35,000



Mileage Between Data Range (by month)

August 2016-2017



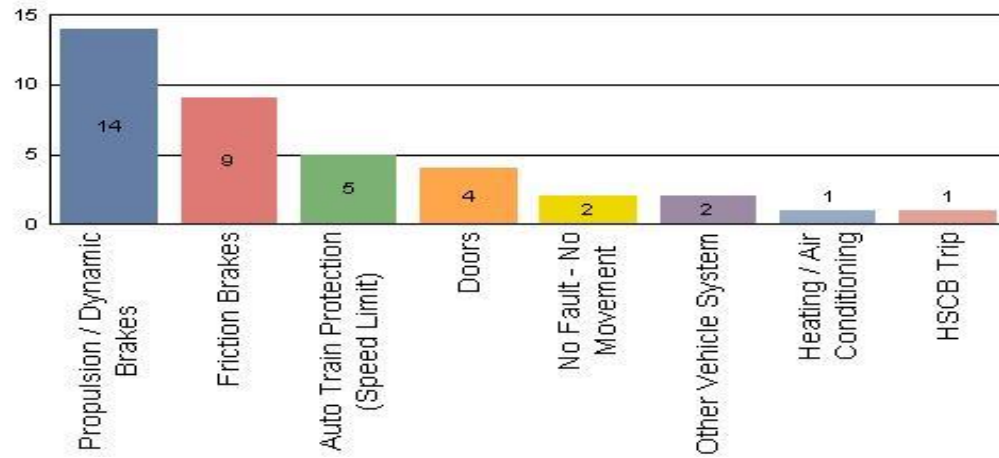
Notes:

- Gold Line increase in mileage is due to the open of the Foothill extension, which includes stations further apart and faster average running speeds.
- With the opening of Division 14 in Santa Monica, the Expo Line mileage is now being reported separately from the Blue Line.

Top Incident Categories August 2017

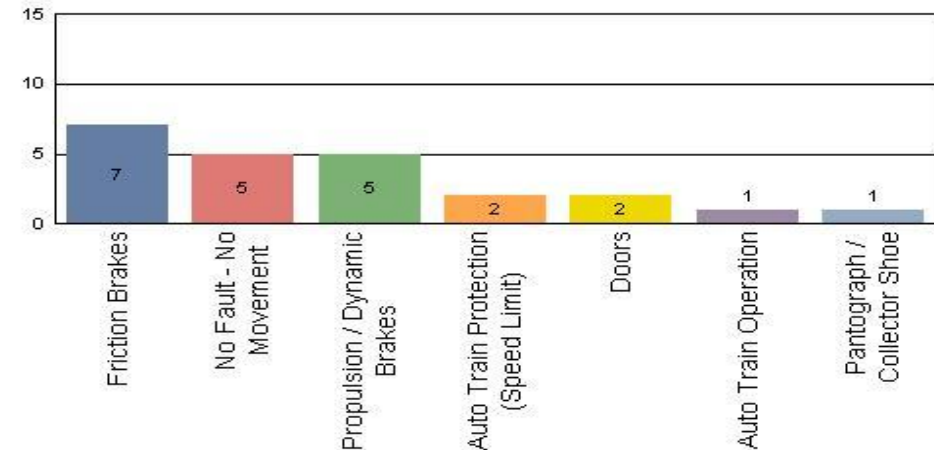
Metro Blue Line (Div 11)

Top Incident Categories



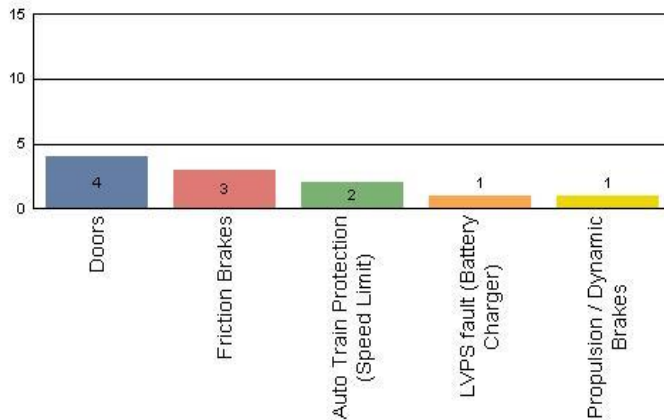
Metro Expo Line (Div 14)

Top Incident Categories



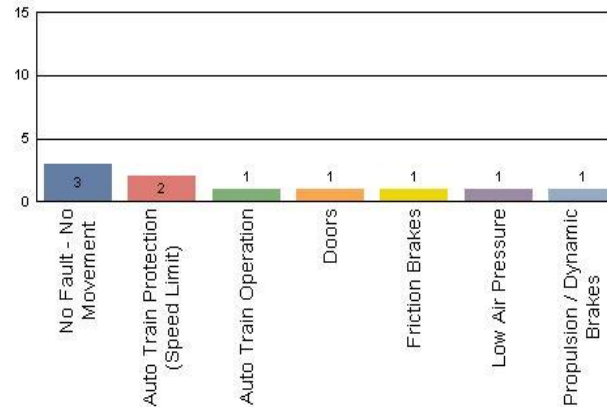
Metro Red/Purple Line (Div 20)

Top Incident Categories



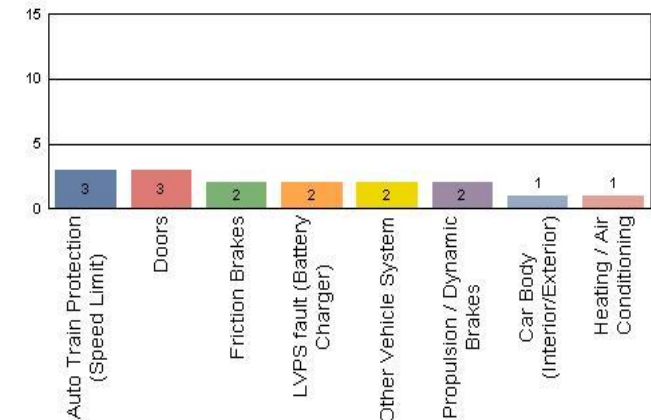
Metro Green Line (Div 22)

Top Incident Categories



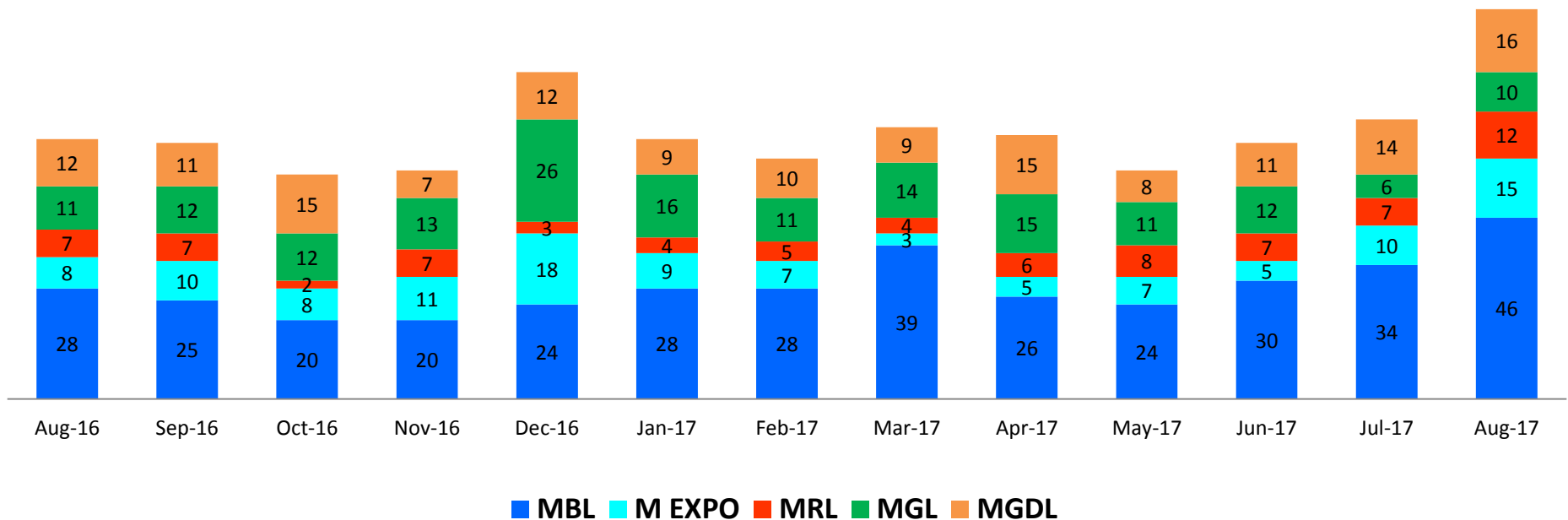
Metro Gold Line (Div 21 & Div 24)

Top Incident Categories



Major Incidents August 2016-2017

Numbers of Major System Failures (by Line)



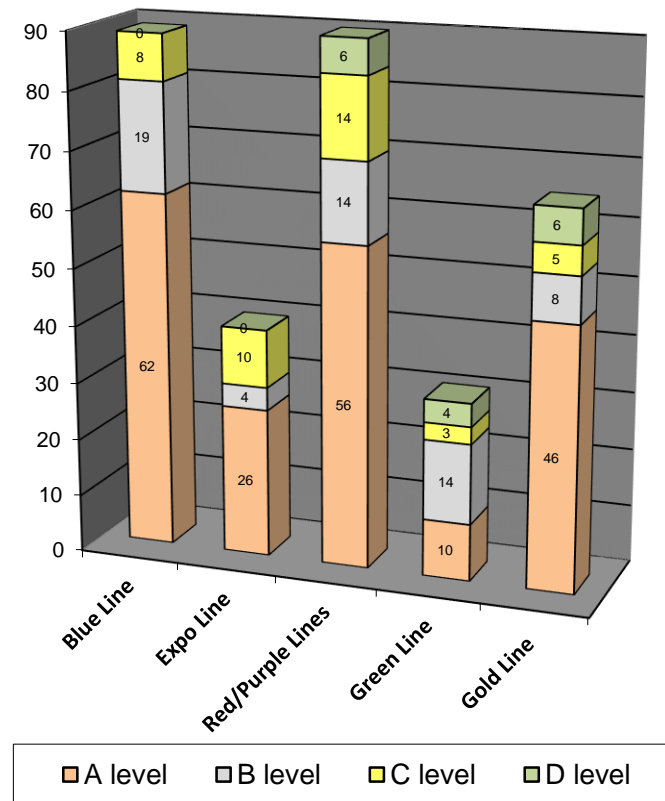
Preventive Maintenance Compliance

August 2016-2017

PM Compliance	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17
Blue Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Expo Line	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%	97%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Gold Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	100%	100%

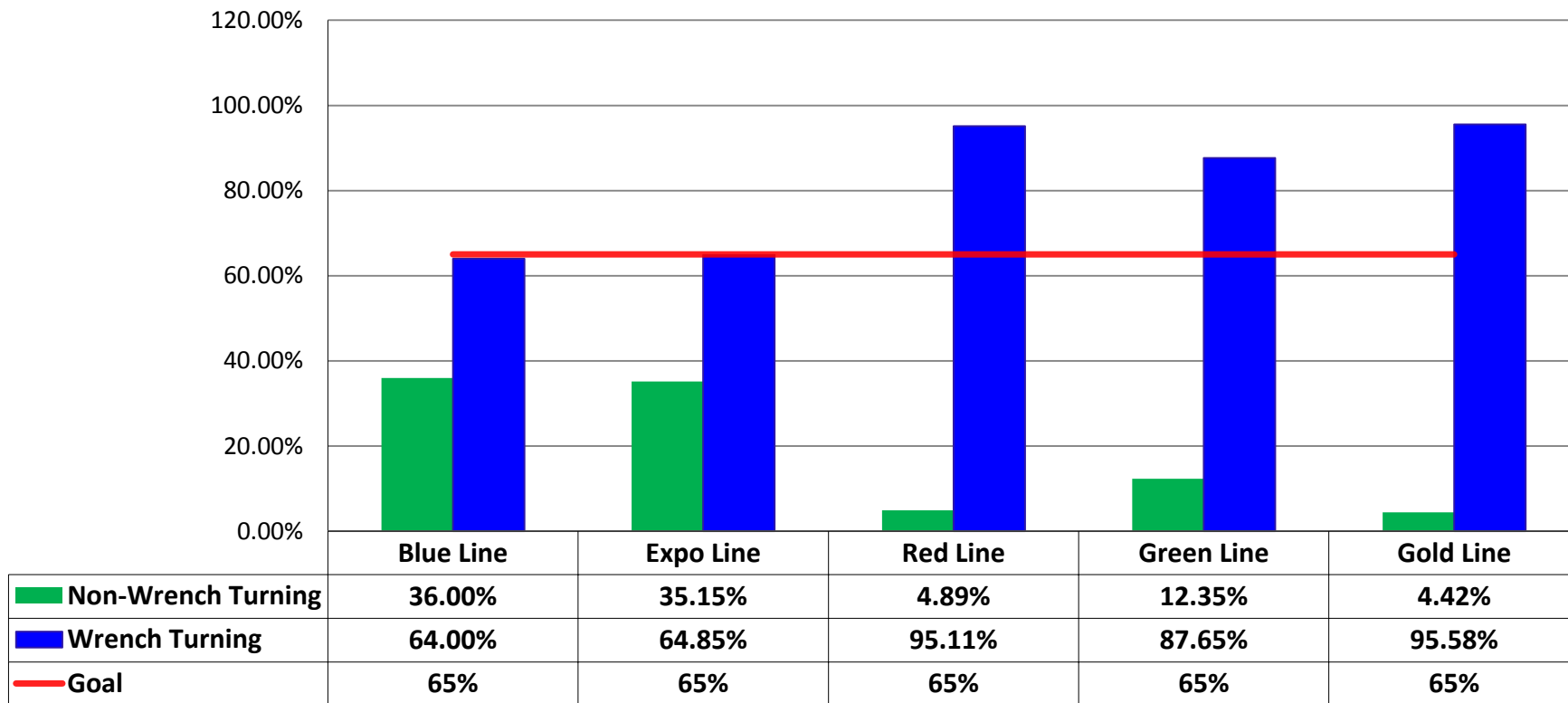
Number of Preventive Maintenance Inspections - August 2017					
Line	A level	B level	C level	D level	Totals
Blue Line	62	19	8	0	89
Expo Line	26	4	10	0	40
Red/Purple Lines	56	14	14	6	90
Green Line	10	14	3	4	31
Gold Line	46	8	5	6	65
Totals:	200	59	40	16	315

Explanation of PM Inspection levels		Miles			
Line	Type	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
Gold/Expo Lines	P3010	10,000	30,000	60,000	120,000



RFS Leader Wrench Turning August 2017

RFS - Leader Wrench Turning August 2017



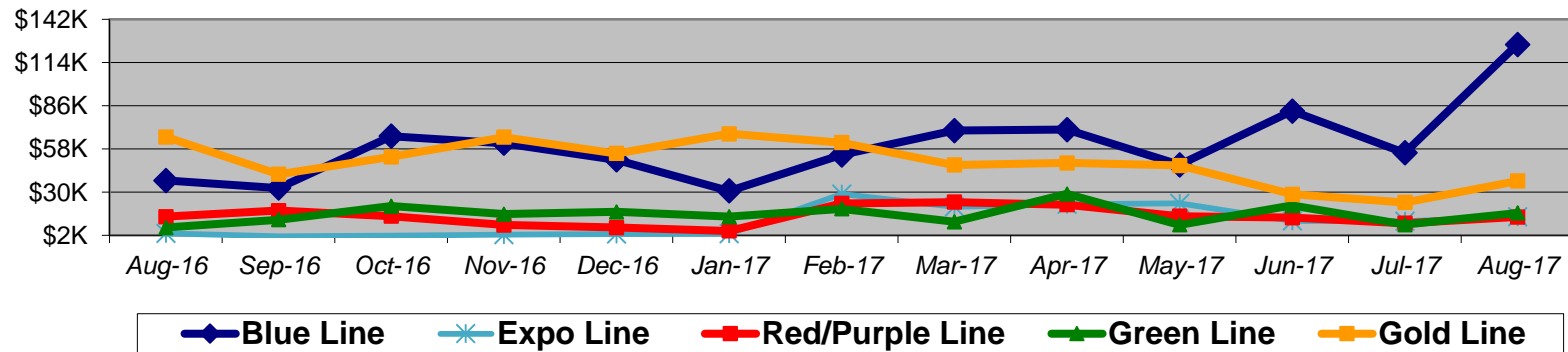
Notes: Labor hours contributed by Maint Specialist Leader, Rail Body/Paint Repair Leader, and Maint Specialist Temporary Leader

Vandalism & Graffiti Report

August 2016-2017

Graffiti Costs

	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	13-Month Period
Blue Line	\$38K	\$33K	\$66K	\$62K	\$51K	\$31K	\$54K	\$70K	\$71K	\$48K	\$83K	\$56K	\$126K	\$786K
Expo Line	\$3K	\$2K	\$2K	\$2K	\$3K	\$3K	\$29K	\$21K	\$22K	\$23K	\$11K	\$11K	\$14K	\$146K
Red/Purple Line	\$14K	\$18K	\$14K	\$9K	\$7K	\$5K	\$23K	\$24K	\$22K	\$14K	\$13K	\$10K	\$14K	\$187K
Green Line	\$7K	\$12K	\$21K	\$16K	\$17K	\$14K	\$19K	\$11K	\$29K	\$9K	\$21K	\$9K	\$17K	\$202K
Gold Line	\$66K	\$42K	\$53K	\$66K	\$55K	\$68K	\$62K	\$48K	\$49K	\$47K	\$29K	\$23K	\$37K	\$644K
Totals:	\$128K	\$106K	\$157K	\$154K	\$133K	\$121K	\$187K	\$172K	\$193K	\$141K	\$158K	\$109K	\$208K	\$1,966K



August 2017 Vandalism & Graffiti - All Rail

	Qty	Labor	Materials	Totals
Windows Replaced	158	\$ 41,454	\$ 43,629	\$ 85,083
Vandal Shields Replaced	868	\$ 42,157	\$ 22,894	\$ 65,051
Seats Cleaned	234	\$ 4,181	\$ 40	\$ 4,221
Seats Inserts Replaced	341	\$ 12,961	\$ 11,051	\$ 24,012
Graffiti Removal - Other	1,426	\$ 21,908	\$ 3,696	\$ 25,604
Repainting Panels	115	\$ 3,622	\$ -	\$ 3,622
Totals	3,142	\$ 126,283	\$ 81,310	\$ 207,593

Vandalism & Graffiti Pictures August 2017

Blue Line



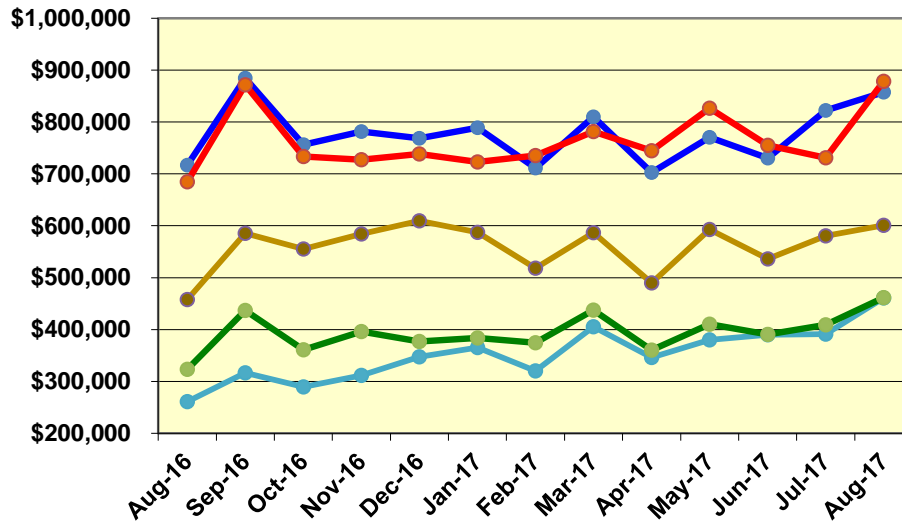
Expo Line



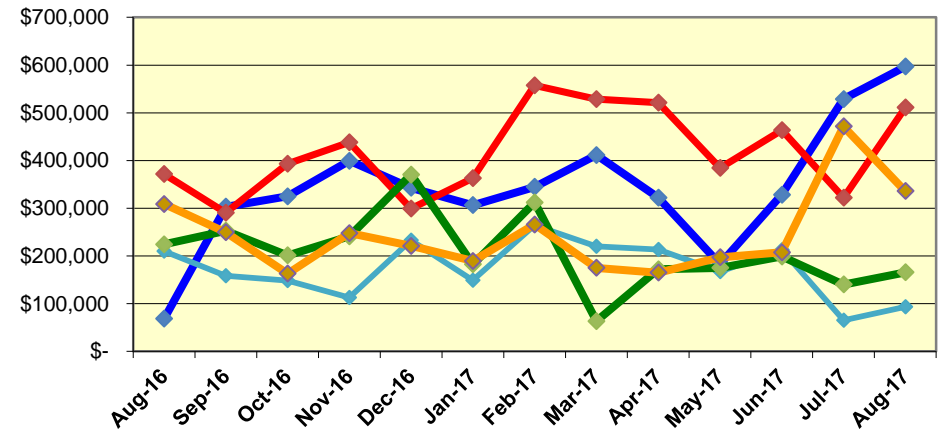
Labor and Material Costs

August 2016-2017

Labor Costs



Material Costs



Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17
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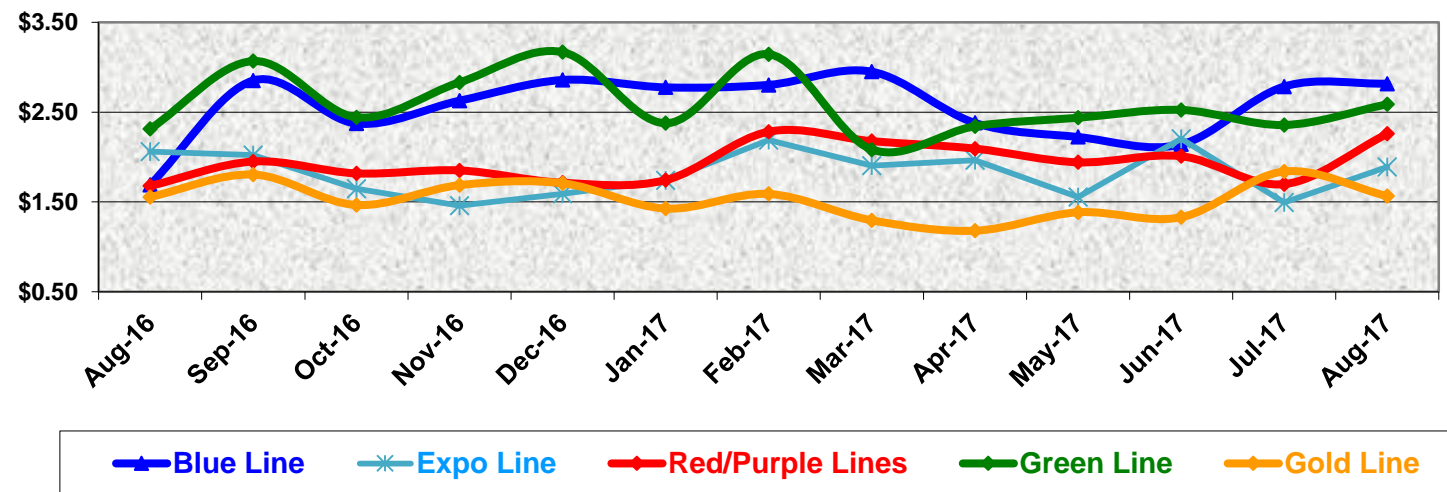
	Labor Costs												
Blue Line	\$ 716,923	\$ 884,555	\$ 755,958	\$ 781,662	\$ 768,756	\$ 788,785	\$ 711,354	\$ 810,012	\$ 702,374	\$ 770,245	\$ 730,183	\$ 822,077	\$ 857,616
Expo Line	\$ 261,217	\$ 316,395	\$ 289,213	\$ 311,627	\$ 347,280	\$ 365,354	\$ 320,019	\$ 405,656	\$ 346,398	\$ 379,871	\$ 389,878	\$ 391,095	\$ 461,075
Red/Purple Lines	\$ 684,555	\$ 871,431	\$ 733,202	\$ 727,093	\$ 738,672	\$ 723,038	\$ 735,394	\$ 781,595	\$ 744,460	\$ 826,461	\$ 754,862	\$ 730,783	\$ 878,453
Green Line	\$ 323,087	\$ 436,825	\$ 360,963	\$ 396,278	\$ 376,933	\$ 383,591	\$ 374,747	\$ 437,154	\$ 360,314	\$ 410,146	\$ 390,662	\$ 409,313	\$ 461,320
Gold Line	\$ 458,067	\$ 585,582	\$ 555,213	\$ 584,203	\$ 609,215	\$ 587,313	\$ 518,524	\$ 586,949	\$ 489,634	\$ 593,070	\$ 536,404	\$ 580,341	\$ 600,583
Totals	\$ 2,443,849	\$ 3,094,789	\$ 2,694,548	\$ 2,800,863	\$ 2,840,856	\$ 2,848,080	\$ 2,660,038	\$ 3,021,365	\$ 2,643,180	\$ 2,979,794	\$ 2,801,989	\$ 2,933,607	\$ 3,259,046

	Material Costs												
Blue Line	\$ 68,670	\$ 303,202	\$ 324,999	\$ 399,427	\$ 342,695	\$ 306,710	\$ 344,931	\$ 411,541	\$ 322,424	\$ 182,846	\$ 328,206	\$ 529,007	\$ 596,865
Expo Line	\$ 210,312	\$ 158,666	\$ 148,670	\$ 113,229	\$ 233,001	\$ 149,260	\$ 264,561	\$ 219,980	\$ 213,435	\$ 167,428	\$ 212,682	\$ 65,432	\$ 93,233
Red/Purple Lines	\$ 371,920	\$ 290,597	\$ 393,507	\$ 438,480	\$ 299,157	\$ 363,192	\$ 557,616	\$ 528,820	\$ 521,242	\$ 384,776	\$ 463,957	\$ 321,863	\$ 511,576
Green Line	\$ 224,414	\$ 252,988	\$ 201,438	\$ 241,344	\$ 370,755	\$ 182,518	\$ 312,113	\$ 63,371	\$ 172,269	\$ 174,969	\$ 199,040	\$ 140,168	\$ 165,820
Gold Line	\$ 308,906	\$ 249,398	\$ 162,899	\$ 247,842	\$ 221,172	\$ 189,520	\$ 265,930	\$ 175,047	\$ 165,012	\$ 197,220	\$ 207,555	\$ 471,378	\$ 336,025
Totals	\$ 1,184,222	\$ 1,254,851	\$ 1,231,513	\$ 1,440,322	\$ 1,466,779	\$ 1,191,200	\$ 1,745,150	\$ 1,398,760	\$ 1,394,383	\$ 1,107,239	\$ 1,411,440	\$ 1,527,848	\$ 1,703,519

Cost Per Mile August 2016-2017

Cost per mile:	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Average
Blue Line	\$1.69	\$2.85	\$2.37	\$2.63	\$2.86	\$2.78	\$2.80	\$2.95	\$2.38	\$2.22	\$2.14	\$2.79	\$2.82	\$2.56
Expo Line	\$2.06	\$2.02	\$1.65	\$1.46	\$1.59	\$1.74	\$2.19	\$1.90	\$1.96	\$1.56	\$2.20	\$1.49	\$1.89	\$1.82
Red/Purple Lines	\$1.68	\$1.95	\$1.82	\$1.85	\$1.71	\$1.74	\$2.28	\$2.18	\$2.09	\$1.94	\$2.01	\$1.70	\$2.26	\$1.94
Green Line	\$2.31	\$3.07	\$2.44	\$2.83	\$3.17	\$2.38	\$3.15	\$2.08	\$2.34	\$2.44	\$2.52	\$2.36	\$2.59	\$2.59
Gold Line	\$1.56	\$1.81	\$1.47	\$1.69	\$1.71	\$1.43	\$1.59	\$1.29	\$1.18	\$1.38	\$1.33	\$1.84	\$1.56	\$1.53

Cost per Mile



ATU Absences vs. Overtime

August 2017

ABSENCE TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
AWP-ABSENT W/O PERMISSION	16	-	-	16	-	16	48
BER-BEREAVEMENT	24	-	48	24	-	-	96
CTO-COMPENSATORY TIME OFF	83	68	230	72	2	92	547
CUT-EMPLOYEE LEAVES EARLY	-	2	1	1	-	-	3
DSL-DISABILITY LEAVE/LONG	224	176	-	520	-	-	920
EFH-EMG. FLOAT HOL.	32	40	56	40	24	72	264
ETO-EXCUSED TIME OFF	85	72	58	8	1	26	249
FMI-FAM IND INJURY	-	-	-	152	-	-	152
FML-FAMILY CARE LEAVE	455	8	308	193	-	72	1,036
FMS-FAMILY LEAVE SICK	-	8	66	17	-	40	132
HLF-HOLIDAY FLOATING	680	232	424	160	176	260	1,932
II-INDUSTRIAL INJURY	-	-	-	136	-	-	136
JUR-JURY DUTY	-	-	8	16	-	16	40
LC1-LABOR CODE 233	140	56	80	72	24	96	468
LTI-OCCPIL/LONGTRM INJ LEAVE	368	176	720	120	-	-	1,384
MLN-MILITARY ABSENCE-UNPAID	8	-	136	-	-	-	144
OWP-OFF WITH PERMISSION	8	-	44	-	-	-	52
RTO-REQUESTED TIME OFF-NO PAY	-	-	8	8	-	-	16
SCK-SICK PAY	96	104	138	80	88	176	682
SCW-SICK WITHOUT PAY	32	-	-	72	-	16	120
TAR-TARDY	2	1	2	4	0	3	12
UNP-UNION BUS PAID	-	16	16	16	-	-	48
VAC-VACATION	1,834	540	2,248	915	440	1,116	7,092
*TRAINING	95	21	13	129	53	53	362
Total Absence Hours	4,181	1,519	4,603	2,770	808	2,053	15,934
**ATU Number of Work Force (active)	108	41	100	45	19	61	374
Full Work Force hours/month	18,716	7,105	17,330	7,799	3,293	10,573	64,814
Absence as a % of Work Force	22%	21%	27%	36%	25%	19%	25%

OVERTIME TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
CTB-COMPENSATORY TIME TO BANK	287	134	436	97	24	171	1,149
OTP-PREM OVERTIME	4,051	2,441	4,530	2,065	87	1,128	14,302
TRO OVERTIME	11	-	12	-	-	-	23
WLO-Worked Lunch Overtime	135	141	250	83	22	97	727
Total Overtime Hours	4,484	2,716	5,228	2,245	133	1,396	16,202
Overtime as a % of Work Force	24%	38%	30%	29%	4%	13%	25%

*Training hours captured by Instruction Department are added to Absences Report.

**ATU Employee Numbers from ATU Manpower Status Report (last week of the month)

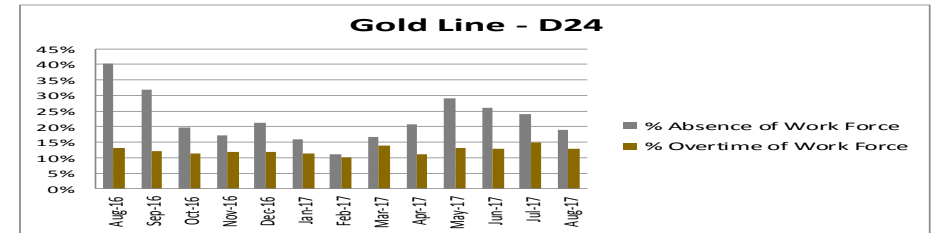
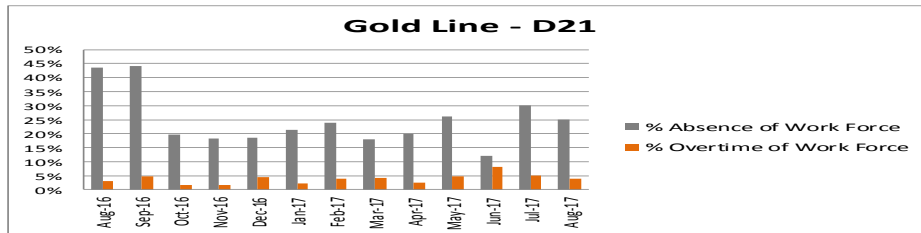
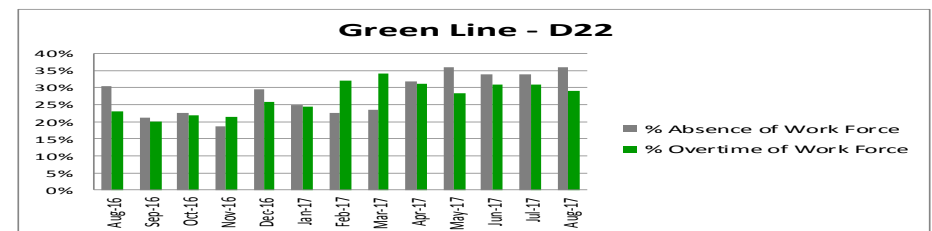
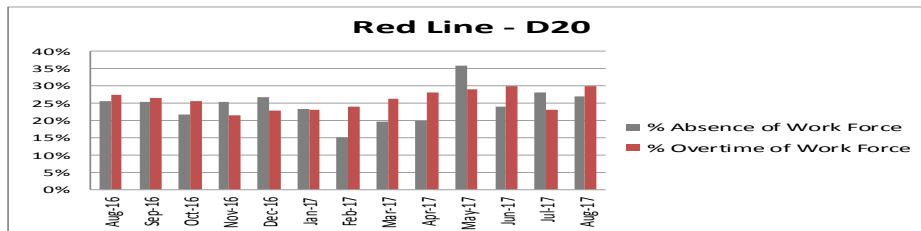
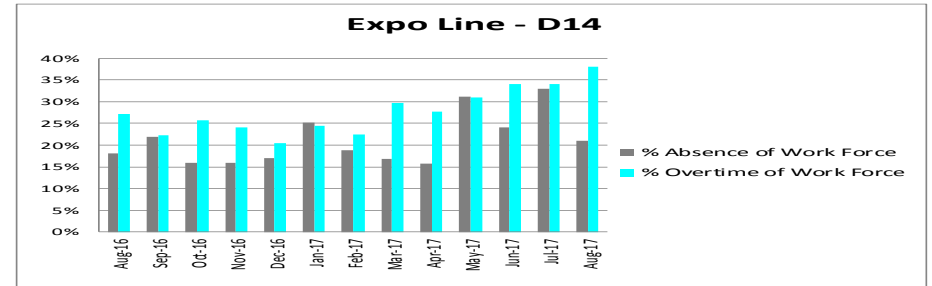
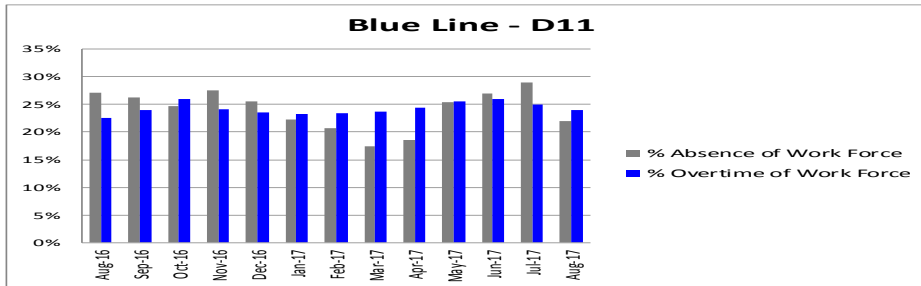


Metro

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

ATU - %Absence & %Overtime of Work Force

August 2016 - 2017



% Absence of Work Force	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	13-Month Average
Blue Line D11	27%	26%	25%	28%	26%	22%	21%	17%	19%	25%	27%	29%	22%	24%
Expo Line D14	18%	22%	16%	16%	17%	25%	19%	17%	16%	31%	24%	33%	21%	21%
Red Line D20	26%	25%	22%	25%	27%	23%	15%	20%	20%	36%	24%	28%	27%	24%
Green Line D22	31%	21%	23%	19%	30%	25%	23%	24%	32%	36%	34%	34%	36%	28%
Gold Line D21	43%	44%	20%	18%	18%	21%	24%	18%	20%	26%	12%	30%	25%	25%
Gold Line D24	40%	32%	20%	17%	21%	16%	11%	17%	21%	29%	26%	24%	19%	23%

% Overtime of Work Force	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	13-Month Average
Blue Line D11	23%	24%	26%	24%	24%	23%	23%	24%	24%	26%	26%	25%	24%	24%
Expo Line D14	27%	22%	26%	24%	20%	24%	22%	30%	28%	31%	34%	34%	38%	28%
Red Line D20	27%	26%	26%	21%	23%	23%	24%	26%	28%	29%	30%	23%	30%	26%
Green Line D22	23%	20%	22%	21%	26%	25%	32%	34%	31%	28%	31%	31%	29%	27%
Gold Line D21	3%	5%	2%	2%	5%	2%	4%	4%	2%	5%	2%	5%	4%	3%
Gold Line D24	13%	12%	11%	12%	12%	11%	10%	14%	11%	13%	13%	15%	13%	12%



RFS Instruction Department Activities

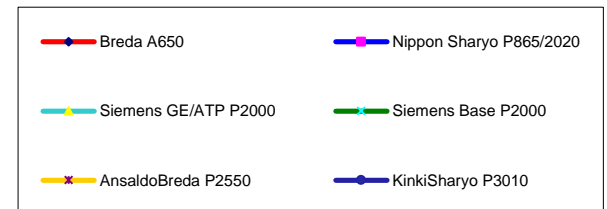
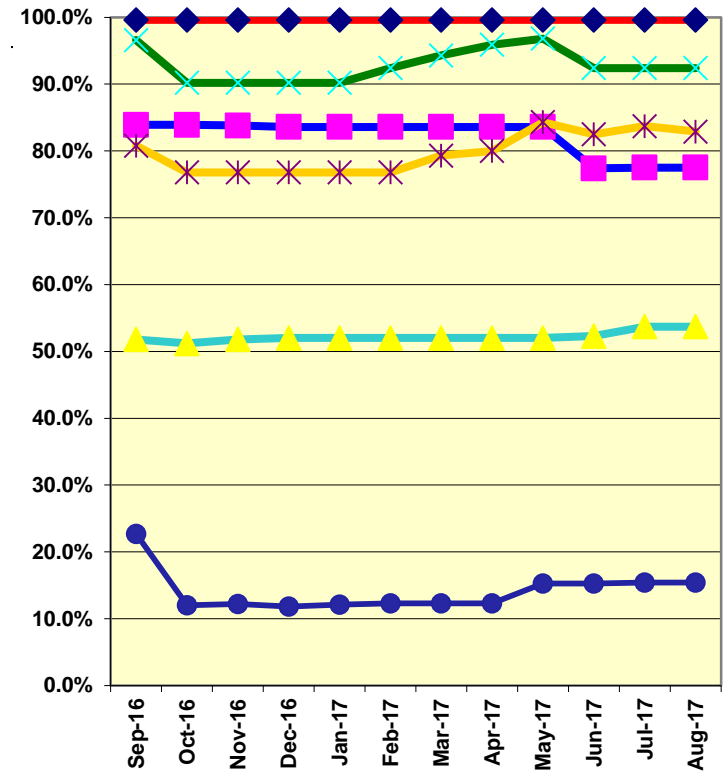
August 2017

LRV Training classes completed during the month of August 2017

Description	Course Hours	Student Count	Training Hours
<u>Blue Line Training - (P865/2020 & P2000 LRVs):</u>			
RFS SIMMONS WHEEL TRUE REFRESHER	16	4	64
Total Blue Line Training (Hours):			64
<u>Gold Line Training - (P2550 & P3010 LRVs):</u>			
RFS BOCHUM 84 TIRE PRESSING (P2550, P3010)	16	3	48
RFS ANSALDOBREDA 2550 EVENT RECORDER	16	3	48
Total Light Rail Training (Hours):			96
<u>Expo Line Training - (P865/2020, P2000, & P3010 LRVs):</u>			
NONE	0	0	0
Total Expo Line Training (Hours):			0
<u>Green Line Training (P2000 LRVs):</u>			
RFS KINKISHARYO INTRO & MAINLINE RESPONSE	16	7	112
Total Green Line Training (Hours):			112
Total Instruction time for the month of August 2017 (Hours):			385.5

Core Vehicle Training Completed:	BLUE	EXPO	GOLD	GREEN
Percentage of core vehicle training complete:	77.5%	21.3%	82.9%	92.4%
Siemens P2000 training complete:	53.7%	39.8%	N/A	N/A
KinkiSharyo P3010 training complete:	0.5%	21.5%	23.9%	N/A
Average Specialist Rail Experience Level in Years:	14.6	3.7	7.5	10.7

Core Training Completed



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

RFS Instruction Department Activities

August 2017

HRV & Other Training classes completed during the month of August 2017

Description	Course Hours	Student Count	Training Hours
<u>Red Line Training (Breda A650 HRV):</u>			
NONE	0	0	0
	Total Red Line Training (Hours):		0

<u>MS Apprentice Program Training:</u>			
WAYSIDE WORKER PROTECTION	4	6	24
	Total MS Apprentice Program Training (Hours):		24

<u>Other Training (RFS Created or Provided+ Metro):</u>			
OTHER TRAINING (Div 20)			12.5
SAFETY AND THE HUMAN ELEMENT (Div 11)	1.5	13	19.5
OTHER TRAINING (Div 11)			11
OTHER TRAINING (Div 14)			20.5
SAFETY AND THE HUMAN ELEMENT (Div 21 & 24)	1.5	2	3
OTHER TRAINING (Div 21 & 24)			6
OTHER TRAINING (Div 22)			17
	Total Other Training (Hours):		89.5

<u>Other Instruction Activities:</u>	Curriculum	Administrative	Technical Support	Total
Curriculum, Administrative, and Technical Support	227	196	202	625
Time Off (HOL, TOV, & SCK)				120
<u>Total Other Instruction Activities</u>				<u>745</u>

Core Vehicle Training Completed: **RED**
Percentage of core vehicle training complete: **99.6%**

Average Specialist Rail Experience Level in Years: **13.3**