

Los Angeles County  
Metropolitan Transportation Authority  
California

# OPERATIONS MONTHLY RAIL PERFORMANCE REPORT

FEBRUARY 2017



# METRO RAIL PERFORMANCE – FEBRUARY 2017

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## Metro Rail Scorecard Overview

Metro operates heavy rail, the Red and Purple Lines, from Union Station to North Hollywood and Union Station to Wilshire/Western. Data for Red and Purple lines are reported under Metro Red line in this report.

Metro also operates four light rail lines: Blue Line from Downtown to Long Beach, Green Line along the 105 freeway, Gold Line from Azusa to East Los Angeles, and Expo Line from Los Angeles to Santa Monica.

Metro Rail is responsible for the operation of approximately 104 heavy rail cars and 203 light rail cars carrying nearly 110 million passengers each year.

Also included in this report are Key Performance Indicators for Wayside, which is in the process of being developed.

Measurement	FY 2014	FY 2015	FY 2016	FY 2017 Target	FY 2017 YTD	FYTD Status	Dec Month	Jan Month	Feb Month
<b>Systemwide</b>									
On-Time Pullouts	99.55%	99.67%	99.63%	99.50%	99.62%	●	99.97%	99.55%	99.51%
Mean Miles Between Chargeable Mechanical Failures	28,829	34,524	30,482	27,911	28,988	●	24,134	30,510	33,481
In-Service On-time Performance	97.92%	98.39%	98.10%	98.00%	98.09%	●	97.74%	97.24%	97.92%
Service Delivery Ratio	99.12%	99.35%	99.22%	99.25%	99.16%	●	98.80%	99.16%	98.89%
Traffic Accidents Per 100,000 Train Miles	1.47	1.18	1.17	N/A	1.14	N/A	1.18	1.83	1.15
CPUC Reportable Accidents per 100,000 Train Miles	0.10	0.43	0.60	0.67	0.42	●	0.26	1.04	0.43
Passenger Accidents per 100,000 Boardings	0.025	0.013	0.016	0.009	0.021	●	0.000	0.010	0.023
Complaints per 100,000 Boardings	0.91	0.78	1.43	1.12	1.98	●	1.39	2.24	2.01
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours <sup>1,2</sup>	15.35	11.11	10.97	10.42	12.26	●	10.88	10.59	14.53
Lost Work Days per 200,000 Exposure Hours <sup>1,2</sup>	861	880	482	458.16	738	●	987	32	-
OSHA Injuries per 200,000 Exposure Hours <sup>1,2</sup>	8.18	6.68	6.32	6.00	8.76	●	7.91	7.70	-
<b>Wayside</b>									
Overdue Work Orders (Non-PMP) - Aging of Outstanding Work Orders	0	1	30	N/A	141	N/A	16	37	57
Past-Due Preventive Maintenance - Aging of Outstanding Work Orders	0	1	30	N/A	141	N/A	16		57
% of Completed Inspections	99.41%	99.51%	99.57%	N/A	99.57%	N/A	98.71%	100.00%	99.62%
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	9.28	9.07	4.77	4.53	4.53	●	4.24	3.94	4.09
Lost Work Days per 200,000 Exposure Hours <sup>1</sup>	179	309	148	141	131	●	225		-
OSHA Injuries per 200,000 Exposure Hours <sup>1</sup>	6.31	8.28	4.40	4.18	4.59	●	0.00	44.00	-
								49.00	
<b>Blue Line</b>									
On-Time Pullouts	99.37%	99.41%	99.59%	99.50%	99.57%	●	100.00%	98.98%	99.69%
Mean Miles Between Chargeable Mechanical Failures	18,731	23,716	19,240	19,572	16,448	●	17,131	14,406	15,852
In-Service On-time Performance	95.84%	97.28%	96.10%	97.00%	96.30%	●	96.47%	93.27%	95.93%
Service Delivery Ratio	98.36%	98.88%	98.41%	98.46%	98.50%	●	98.56%	97.57%	97.70%
Traffic Accidents Per 100,000 Train Miles	2.97	2.48	2.38	N/A	2.30	N/A	4.50	3.92	0.69
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.89	1.39	1.34	0.82	●	1.29	1.96	0.00
Passenger Accidents per 100,000 Boardings	0.058	0.034	0.016	0.006	0.037	●	0.000	0.000	0.111
Complaints per 100,000 Boardings	1.10	0.90	1.33	1.09	1.62	●	1.29	1.69	1.39
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	17.46	15.10	15.08	15.58	17.17	●	27.59	10.69	11.68
Lost Work Days per 200,000 Exposure Hours <sup>1</sup>	990	1,622		786	859	●	749	728	-
OSHA Injuries per 200,000 Exposure Hours <sup>1</sup>	5.71	10.64	6.79	9.58	11.68	●	27.59	5.35	-

<sup>1</sup> There is a One Month lag in reporting this data

<sup>2</sup> Includes Operations, RFS and Wayside

● Green - High probability of achieving the target (on track). Meets Target at 100% or better.

● Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues. Falls below Target 70 - 99%.

● Red - High probability that the target will not be achieved -- significant problems and/or delays. Falls below Target >70%.

N/A = Not Available

Measurement	FY 2014	FY 2015	FY 2016	FY 2017 Target	FY 2017 YTD	FYTD Status	Dec Month	Jan Month	Feb Month
<b>Red Line</b>									
On-Time Pullouts	99.72%	99.91%	99.79%	99.50%	100.00%	●	100.00%	100.00%	100.00%
Mean Miles Between Chargeable Mechanical	63,099	85,090	94,312	112,652	110,745	●	196,096	148,218	109,220
In-Service On-time Performance	98.91%	99.13%	99.45%	99.50%	99.41%	●	99.51%	99.29%	98.56%
Service Delivery Ratio	99.57%	99.60%	99.71%	99.71%	99.76%	●	99.79%	99.67%	99.54%
Traffic Accidents Per 100,000 Train Miles	1.01	0.47	0.75	N/A	0.75	N/A	0.00	1.66	0.91
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.07	0.07	0.60	0.21	●	0.00	1.66	0.00
Passenger Accidents per 100,000 Boardings	0.006	0.002	0.002	0.003	0.003	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	0.60	0.54	0.57	0.56	0.97	●	0.51	1.34	1.74
New Workers' Compensation Indemnity Claims per	20.22	6.20	16.43	13.29	12.82	●	16.12	11.39	6.17
*Lost Work Days per 200,000 Exposure Hours	927	649	526	556	1,091	●	986	653	-
*OSHA Injuries per 200,000 Exposure Hours	11.79	3.54	7.99	6.55	8.86	●	5.37	5.70	-

<b>Green Line</b>									
On-Time Pullouts	99.69%	99.32%	99.49%	99.50%	99.71%	●	100.00%	99.52%	98.70%
Mean Miles Between Chargeable Mechanical Failures	19,513	21,054	19,238	19,911	15,757	●	8,808	14,376	19,422
In-Service On-time Performance	97.85%	97.39%	98.52%	98.20%	98.50%	●	98.23%	98.53%	98.87%
Service Delivery Ratio	99.57%	99.50%	99.59%	99.62%	99.59%	●	99.54%	99.39%	99.71%
Traffic Accidents Per 100,000 Train Miles	0.49	0.21	0.42	N/A	0.52	N/A	0.00	0.00	0.00
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.07	0.07	0.18	0.00	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.023	0.024	0.034	0.011	0.057	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	1.15	0.88	1.53	1.30	2.07	●	1.50	1.30	2.72
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	16.51	7.32	7.18	9.27	8.94	●	0.00	19.65	20.51
*Lost Work Days per 200,000 Exposure Hours	1,299	479	228	195	839	●	554	463	-
*OSHA Injuries per 200,000 Exposure Hours	11.30	4.07	3.19	2.34	5.84	●	0.00	19.65	-

<b>Gold Line</b>									
On-Time Pullouts	99.56%	99.98%	99.68%	99.50%	99.74%	●	100.00%	100.00%	99.19%
Mean Miles Between Chargeable Mechanical Failures	45,894	44,171	40,426	51,665	36,240	●	38,175	54,892	43,930
In-Service On-time Performance	98.03%	98.56%	97.60%	97.50%	97.33%	●	95.29%	97.70%	97.05%
Service Delivery Ratio	99.03%	99.34%	99.11%	99.16%	98.70%	●	96.69%	99.39%	98.33%
Traffic Accidents Per 100,000 Train Miles	1.03	1.14	0.99	N/A	0.65	N/A	0.43	1.25	0.94
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.30	0.60	0.50	0.22	●	0.00	0.42	0.47
Passenger Accidents per 100,000 Boardings	0.052	0.007	0.039	0.035	0.018	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	1.04	1.01	2.73	2.26	2.75	●	2.40	2.68	2.80
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	14.98	15.96	11.87	12.20	14.54	●	0.00	5.37	30.04
*Lost Work Days per 200,000 Exposure Hours	1,460	1,068	766	808	1,179	●	2,167	788	-
*OSHA Injuries per 200,000 Exposure Hours	9.12	3.83	9.29	10.07	7.83	●	5.60	0.00	-

<b>Expo Line</b>									
On-Time Pullouts	-	-	99.53%	99.50%	98.88%	●	99.80%	99.20%	100.00%
Mean Miles Between Chargeable Mechanical Failures	-	-	18,114	19,572	26,317	●	17,586	32,390	49,240
In-Service On-time Performance	98.70%	99.14%	98.61%	97.05%	98.24%	●	98.37%	96.62%	98.96%
Service Delivery Ratio	99.45%	99.64%	99.56%	99.65%	99.31%	●	99.51%	99.70%	99.50%
Traffic Accidents Per 100,000 Train Miles	1.17	1.02	0.74	N/A	1.63	N/A	0.76	2.33	3.48
CPUC Reportable Accidents per 100,000 Train Miles	1.17	1.02	0.50	0.37	0.98	●	0.00	1.55	1.74
Passenger Accidents per 100,000 Boardings	0.000	0.000	0.019	0.000	0.028	●	0.000	0.066	0.000
Complaints per 100,000 Boardings	1.53	1.13	3.38	1.87	4.58	●	2.81	5.40	2.38
New Workers' Compensation Indemnity Claims per	-	24.97	8.44	0.00	20.45	●	15.31	22.34	24.74
*Lost Work Days per 200,000 Exposure Hours	-	937	73	0	626	●	1,407	1,012	-
*OSHA Injuries per 200,000 Exposure Hours	-	-	5.63	0.00	17.51	●	7.65	14.89	-

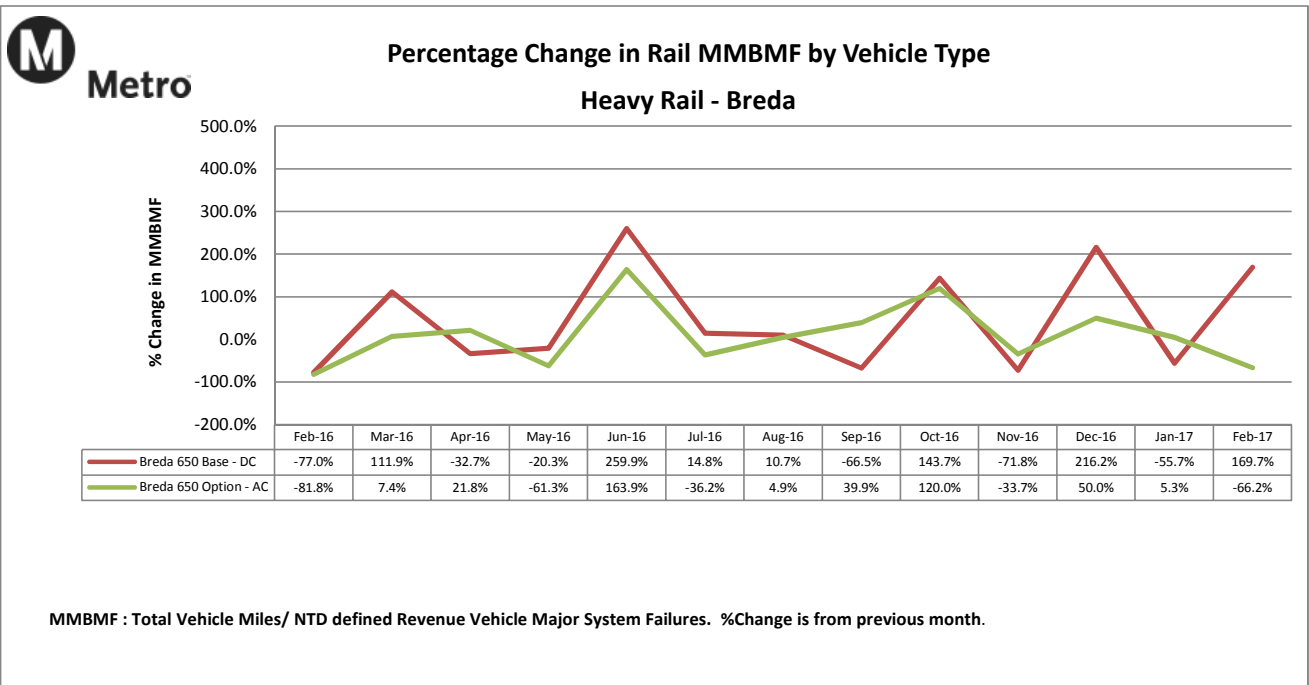
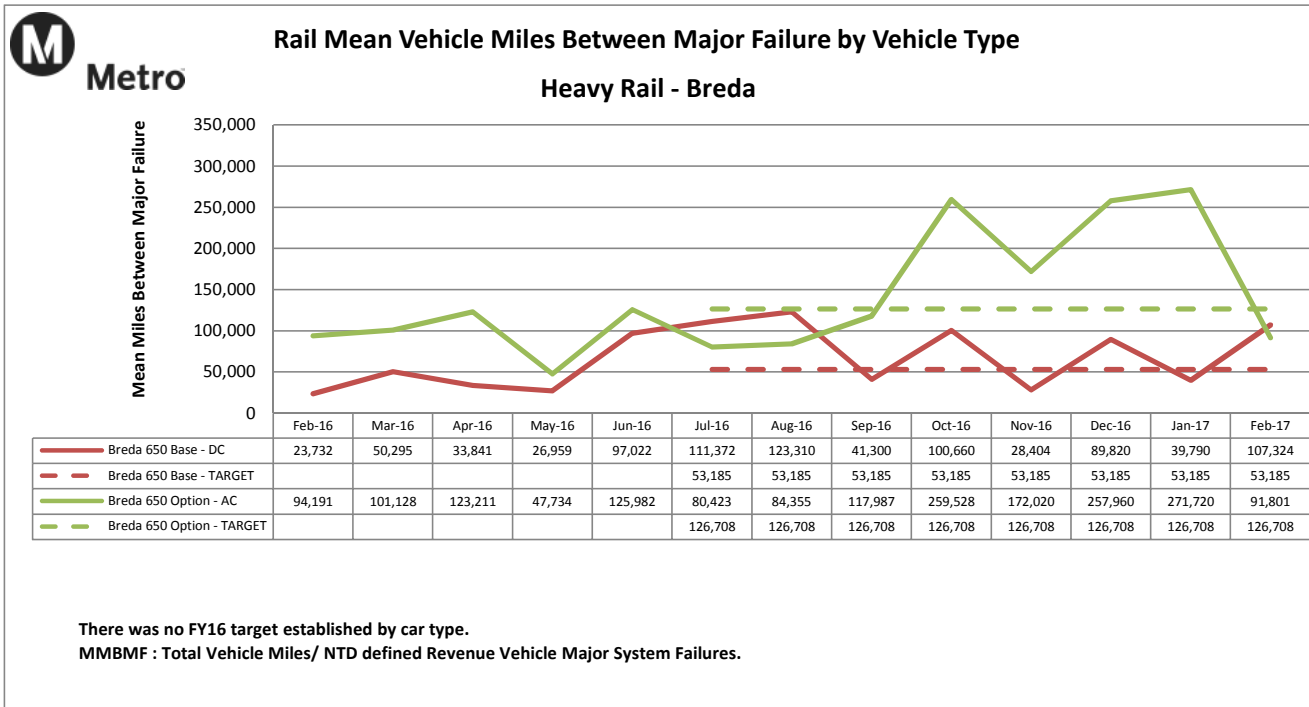
\* There is One Month lag in reporting this data

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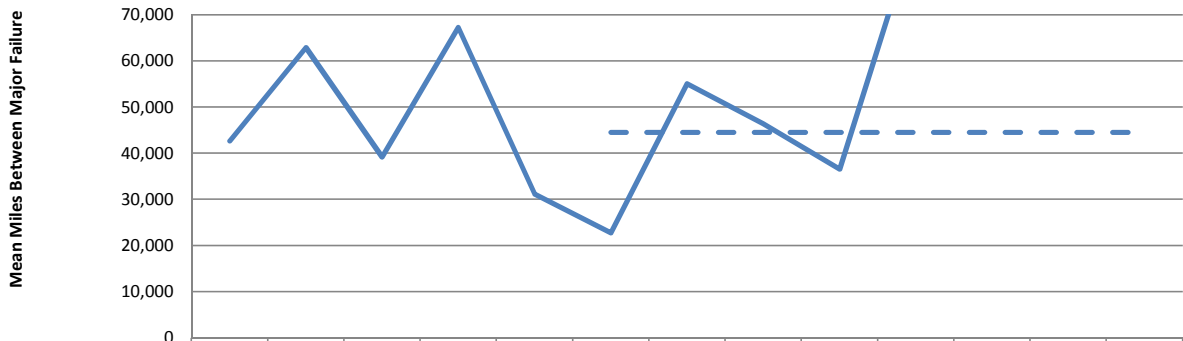
# METRO RAIL PERFORMANCE – FEBRUARY 2017

## Rail Performance by Vehicle Type





### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type Light Rail - Breda

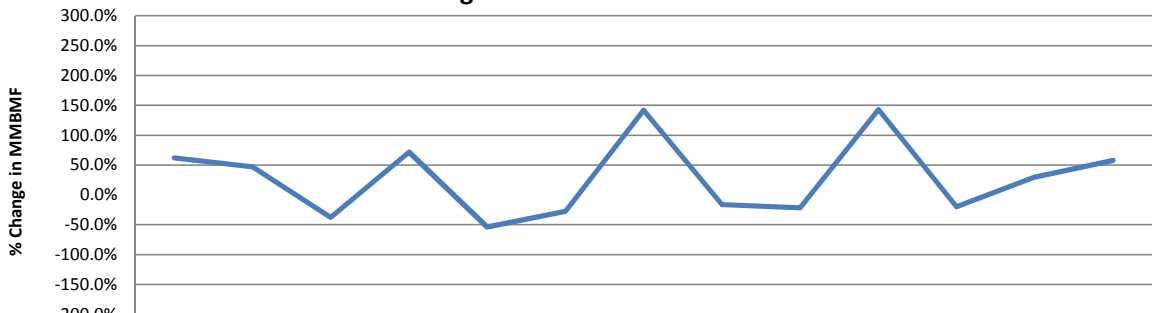


	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
— AnsaldoBreda 2550 Base - AC	42,632	62,875	39,188	67,279	31,159	22,741	55,074	46,395	36,556	88,934	71,550	92,980	147,096
- - - AnsaldoBreda 2550 Base - TARGET						44,517	44,517	44,517	44,517	44,517	44,517	44,517	44,517

There was no FY16 target established by car type.  
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



### Percentage Change in Rail MMBMF by Vehicle Type Light Rail - Breda



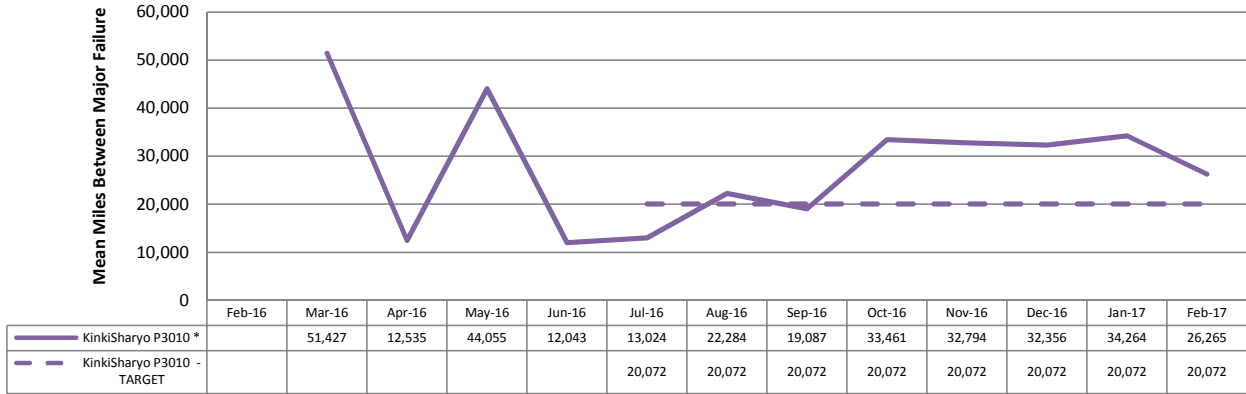
	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
— AnsaldoBreda 2550 Base - AC	62.5%	47.5%	-37.7%	71.7%	-53.7%	-27.0%	142.2%	-15.8%	-21.2%	143.3%	-19.5%	30.0%	58.2%

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



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### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type Light Rail - KinkiSharyo

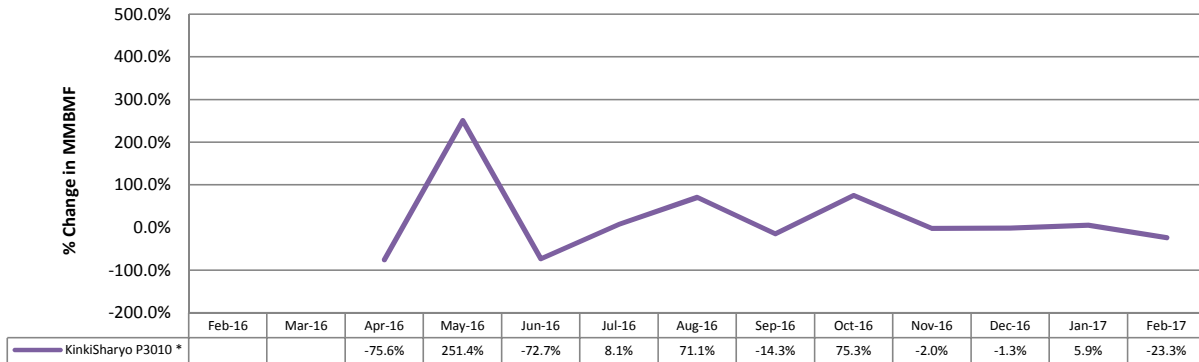


There was no FY16 target established by car type.  
 MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



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### Percentage Change in Rail MMBMF by Vehicle Type Light Rail - KinkiSharyo



MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.

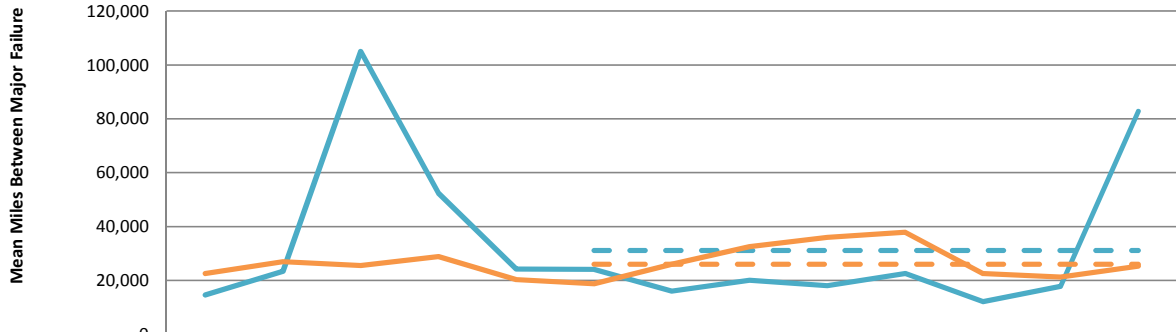
\* KinkiSharyo rolling stock began service March 2016



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### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

#### Light Rail - NipponSharyo



	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Nippon Sharyo 2020 - DC	14,620	23,452	105,138	52,426	24,256	24,134	16,076	20,161	18,085	22,626	12,147	17,872	82,900
Nippon Sharyo 2020 - TARGET						31,214	31,214	31,214	31,214	31,214	31,214	31,214	31,214
Nippon Sharyo 865 - DC	22,667	26,985	25,593	28,981	20,341	18,786	26,073	32,617	36,102	37,961	22,672	21,350	25,397
Nippon Sharyo 865 - TARGET						26,062	26,062	26,062	26,062	26,062	26,062	26,062	26,062

There was no FY16 target established by car type.

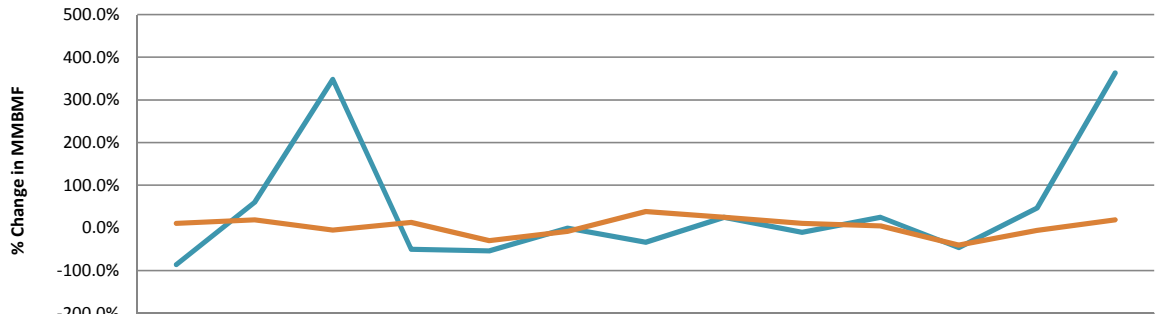
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



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### Percentage Change in Rail MMBMF by Vehicle Type

#### Light Rail - NipponSharyo



	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Nippon Sharyo 2020 - DC	-85.8%	60.4%	348.3%	-50.1%	-53.7%	-0.5%	-33.4%	25.4%	-10.3%	25.1%	-46.3%	47.1%	363.9%
Nippon Sharyo 865 - DC	10.7%	19.0%	-5.2%	13.2%	-29.8%	-7.6%	38.8%	25.1%	10.7%	5.2%	-40.3%	-5.8%	19.0%

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.

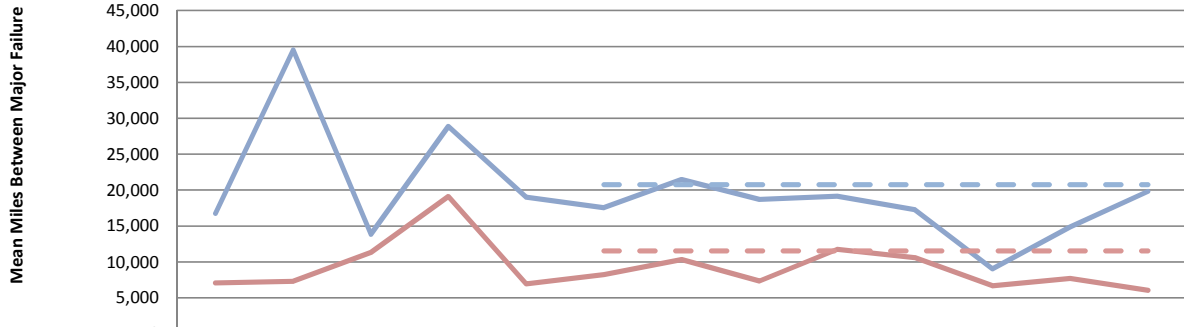




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### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

#### Light Rail - Siemens



	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Siemens 2000 Base - AC	16,751	39,513	13,853	28,871	19,031	17,567	21,505	18,725	19,184	17,318	9,073	14,888	19,848
Siemens 2000 Base - TARGET						20,778	20,778	20,778	20,778	20,778	20,778	20,778	20,778
Siemens 2000 GE/ATP - AC	7,094	7,303	11,344	19,136	6,984	8,241	10,345	7,365	11,790	10,601	6,716	7,700	6,086
Siemens 2000 GE/ATP - TARGET						11,559	11,559	11,559	11,559	11,559	11,559	11,559	11,559

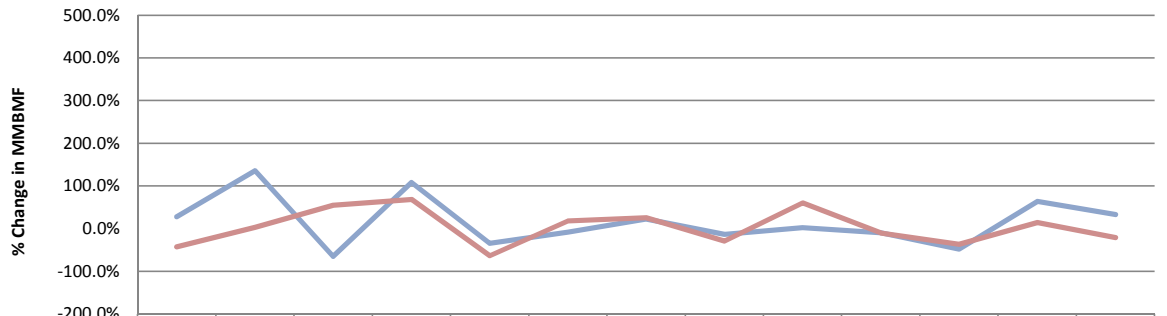
There was no FY16 target established by car type.  
 MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



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### Percentage Change in Rail MMBMF by Vehicle Type

#### Light Rail - Siemens



	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Siemens 2000 Base - AC	28.1%	135.9%	-64.9%	108.4%	-34.1%	-7.7%	22.4%	-12.9%	2.5%	-9.7%	-47.6%	64.1%	33.3%
Siemens 2000 GE/ATP - AC	-42.7%	3.0%	55.3%	68.7%	-63.5%	18.0%	25.5%	-28.8%	60.1%	-10.1%	-36.6%	14.7%	-21.0%

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.

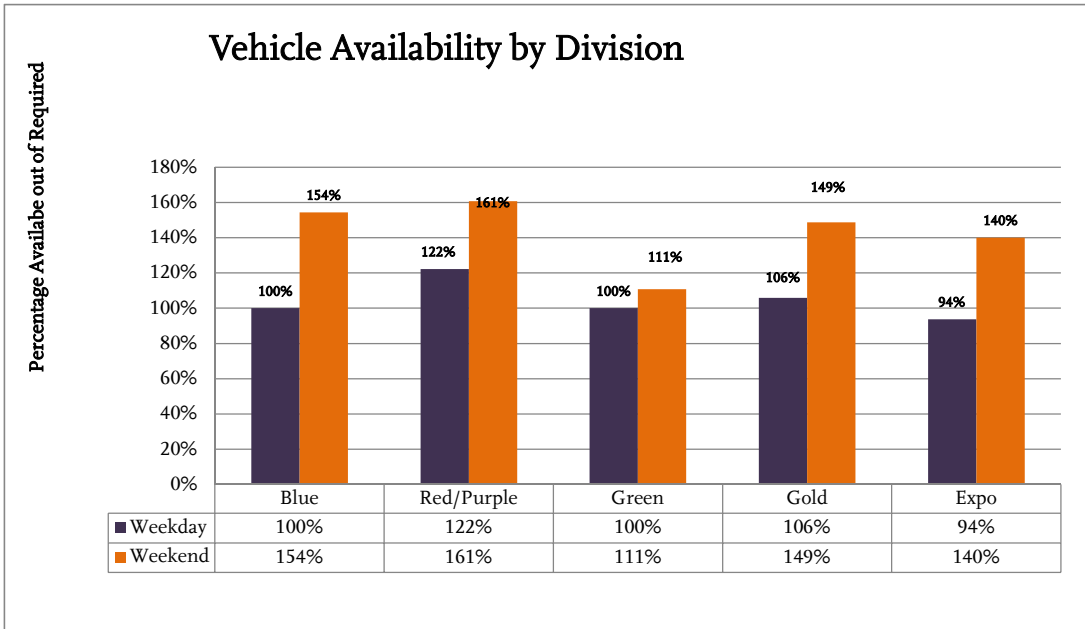
### Mean Miles Between Major Failures

	FY 2016	FY 2017 Goal	FY 2017 YTD
AnsaldoBreda2550Base - AC	42,292	44,517	52,374
Breda 650 Base - DC	50,526	53,185	70,798
Breda 650 Option - AC	120,372	126,708	133,803
Kinkisharyo P3010	19,068	20,072	26,403
Nippon Sharyo 2020 - DC	29,653	31,214	19,493
Nippon Sharyo 865 - DC	24,759	26,062	26,231
Siemens 2000 Base - AC	19,739	20,778	16,118
Siemens 2000 GE/ATP - AC	10,981	11,559	8,338

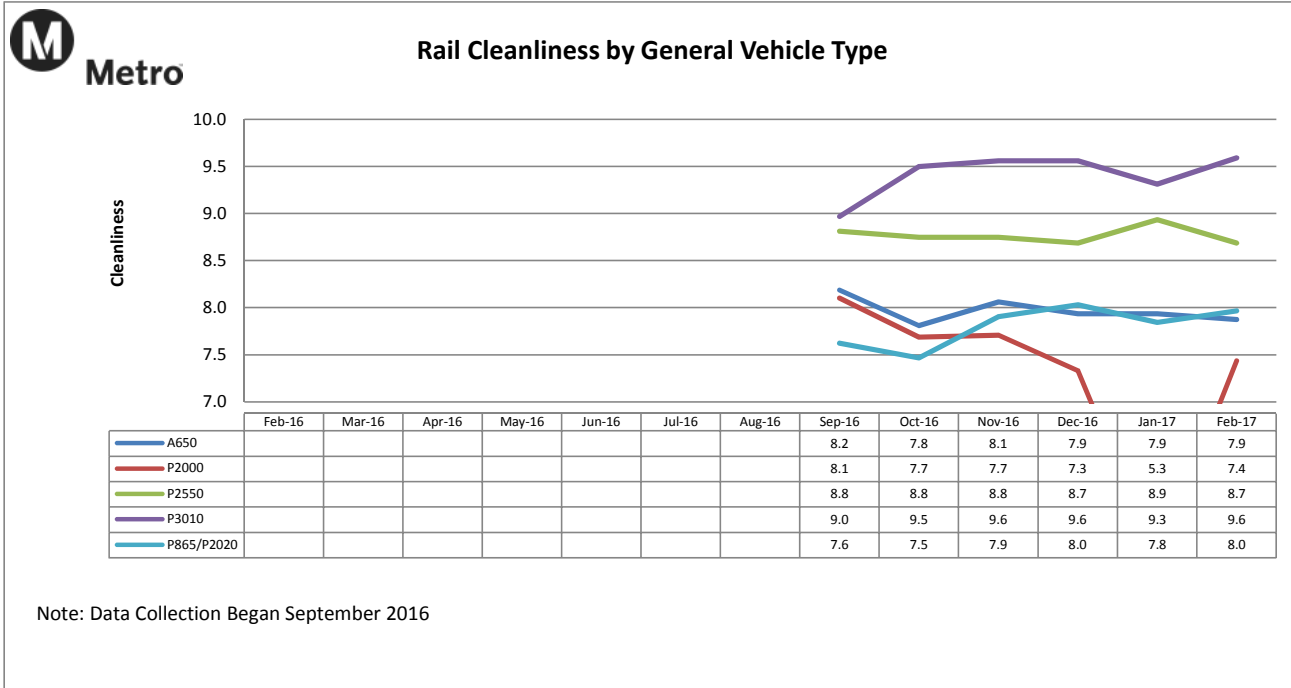
### Rail Fleet Distribution – FEBRUARY 2017

Number of Rail Vehicle Type by Division	Blue	Red / Purple	Green	Gold	Expo
AnsaldoBreda 2550 Base - AC				50	
Breda 650 Base - DC		30			
Breda 650 Option - AC		74			
KinkiSharyo P3010				15	39
Nippon Sharyo 2020 - DC	12				3
Nippon Sharyo 865 - DC	40				14
Siemens 2000 Base - AC			29		
Siemens 2000 GE/ATP - AC	19				4
<b>TOTALS</b>	<b>71</b>	<b>104</b>	<b>29</b>	<b>65</b>	<b>60</b>

Blue			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	57	57	100%
Weekend	26	40	154%
Red/ Purple			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	64	78	122%
Weekend	40	64	161%
Green			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	22	22	100%
Weekend	14	16	111%
Gold			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	48	51	106%
Weekend	28	42	149%
Expo			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	47	44	94%
Weekend	30	42	140%

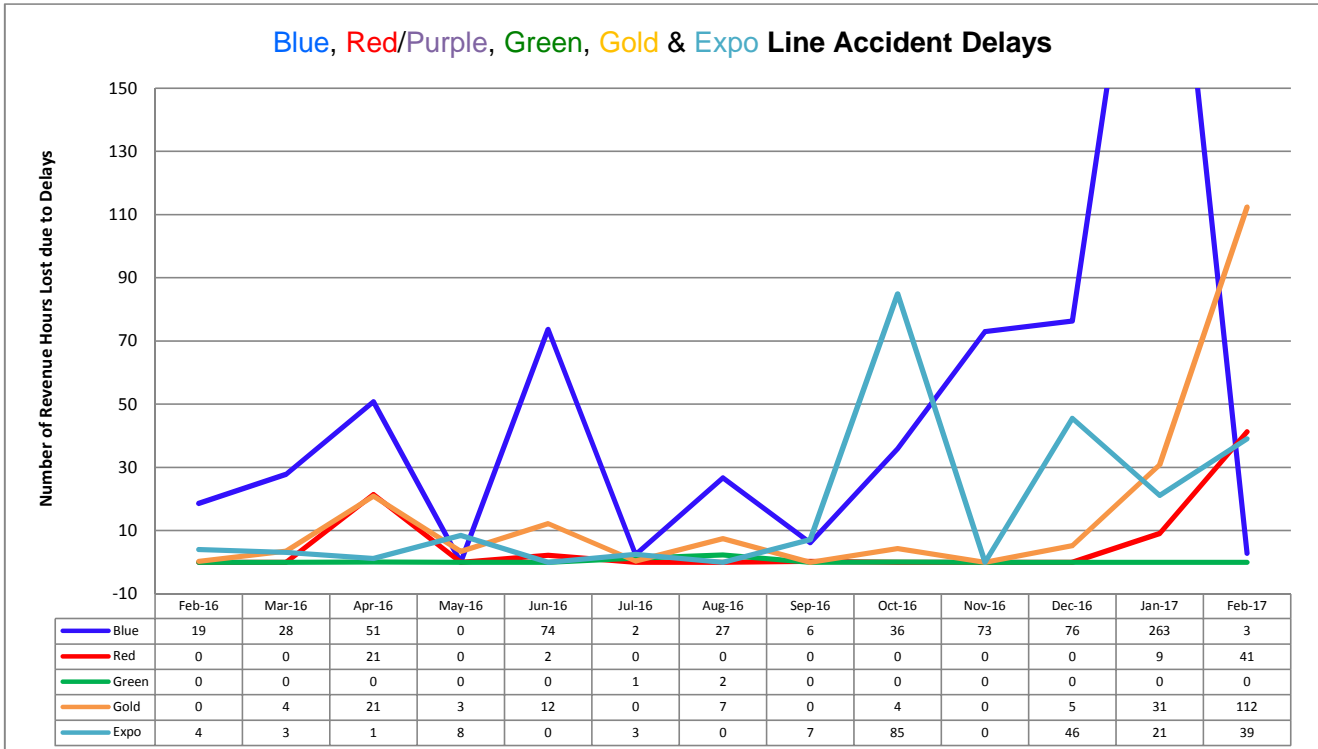


# Cleanliness by Vehicle Type

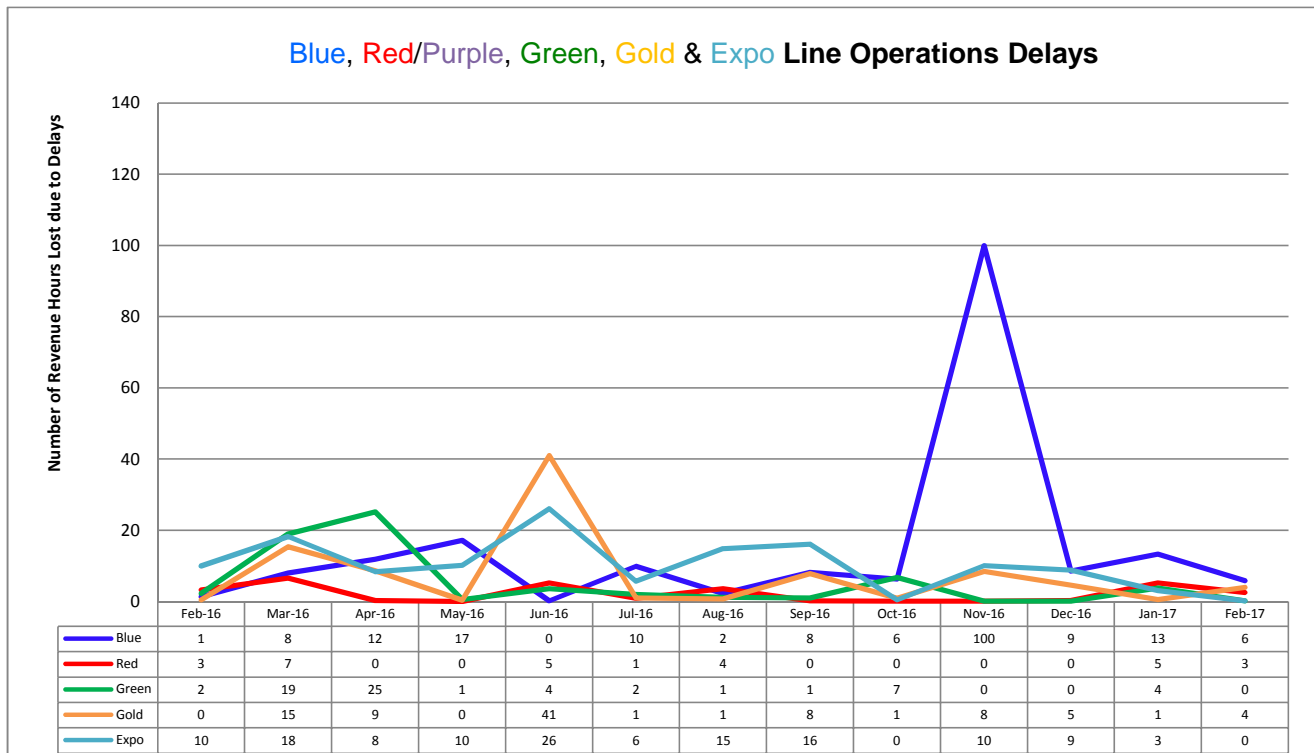


## RAIL DELAYS BY CATEGORY - SYSTEMWIDE

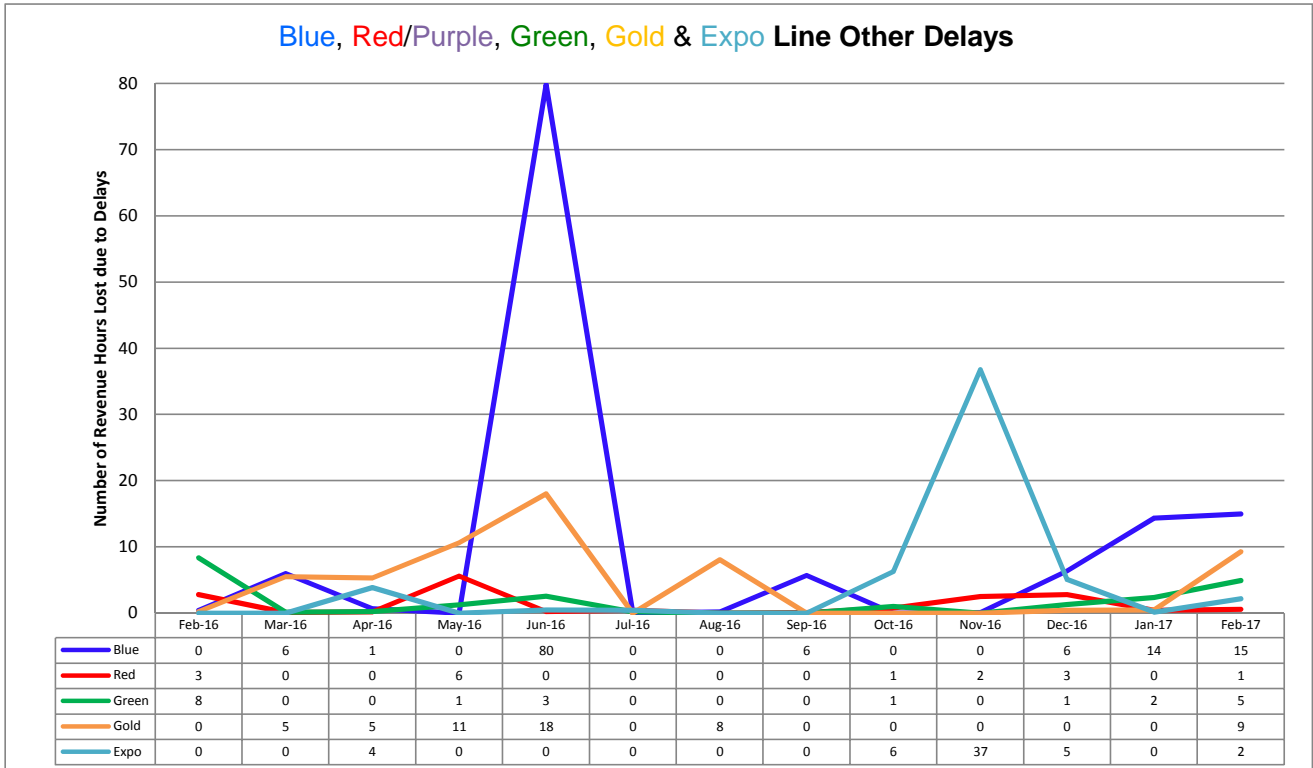
### Revenue Hours Lost Related to - ACCIDENTS



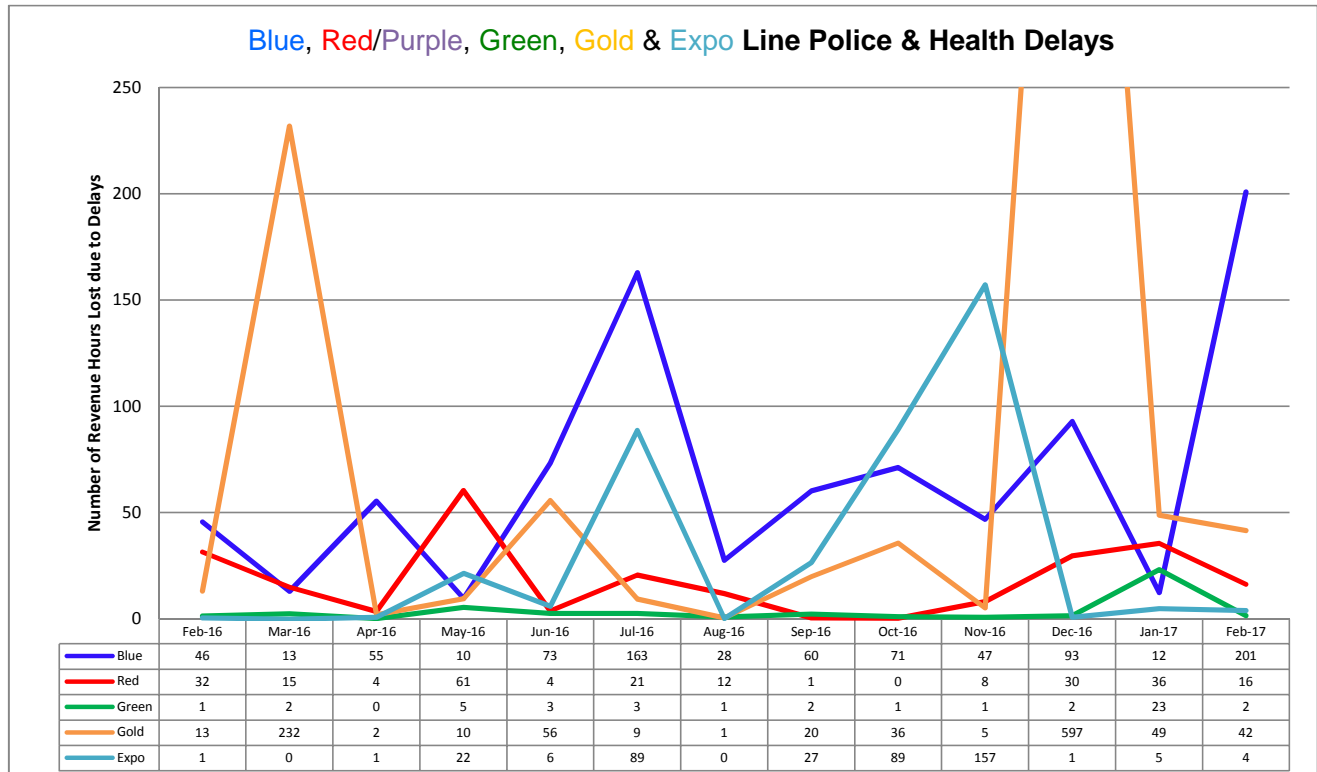
### Revenue Hours Lost Related to - OPERATIONS



### Revenue Hours Lost Related to - OTHER

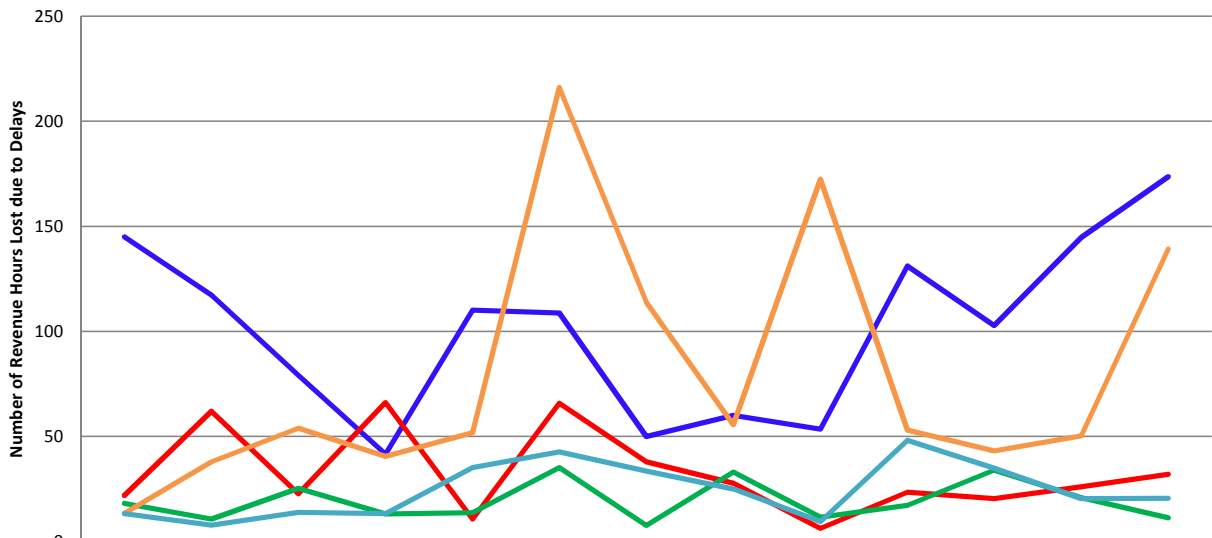


### Revenue Hours Lost Related to - POLICE & HEALTH



### Revenue Hours Lost Related to - Vehicle Delays

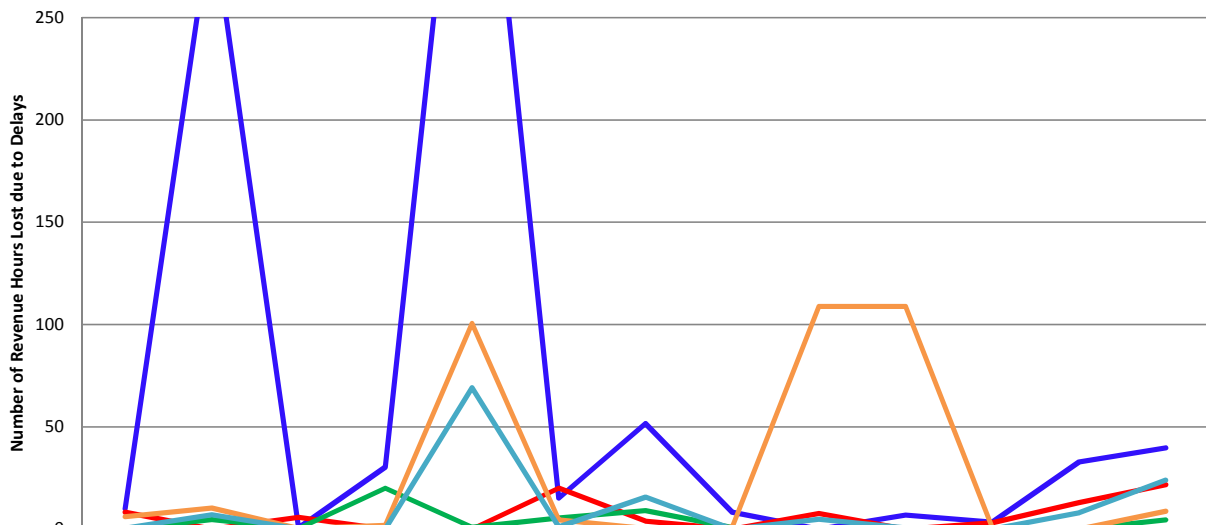
Blue, Red/Purple, Green, Gold & Expo Line Vehicle Delays



	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Blue	145	117	79	42	110	109	50	60	54	131	103	145	174
Red	22	62	23	66	11	66	38	28	6	24	20	26	32
Green	18	11	25	13	14	35	8	33	12	17	34	21	11
Gold	13	38	54	41	52	216	114	56	172	53	43	50	139
Expo	13	8	14	13	35	43	34	25	10	48	35	21	21

Revenue Hours Lost Related to - WAYSIDE

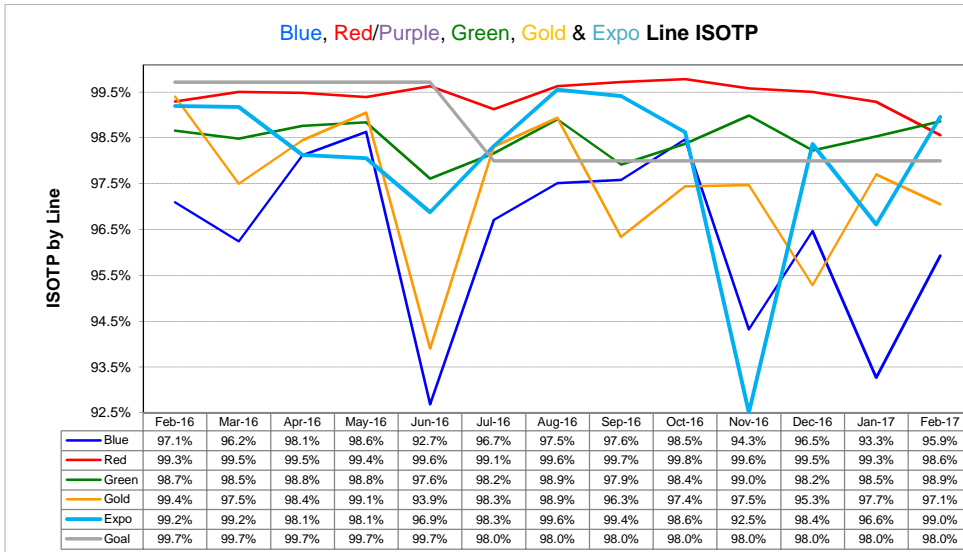
Blue, Red/Purple, Green, Gold & Expo Line Wayside Delays



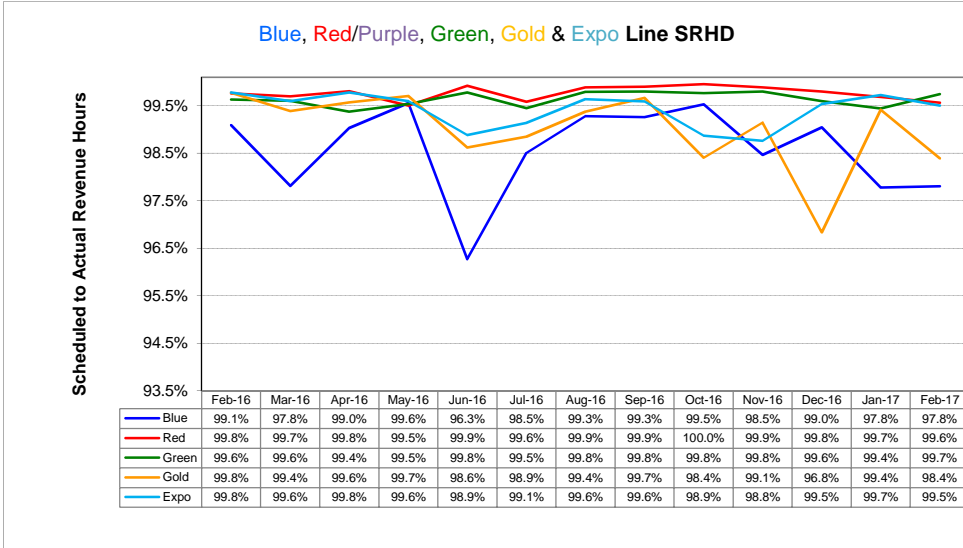
	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
Blue	10	300	1	30	424	15	52	8	0	7	4	33	40
Red	8	0	6	0	0	20	4	0	8	0	3	13	22
Green	0	5	0	20	1	6	9	1	1	1	1	0	5
Gold	6	10	0	2	101	5	0	1	109	109	1	0	9
Expo	0	7	0	0	69	1	16	0	5	1	0	8	24

## Rail Service Performance

### In Service On Time Performance by Line



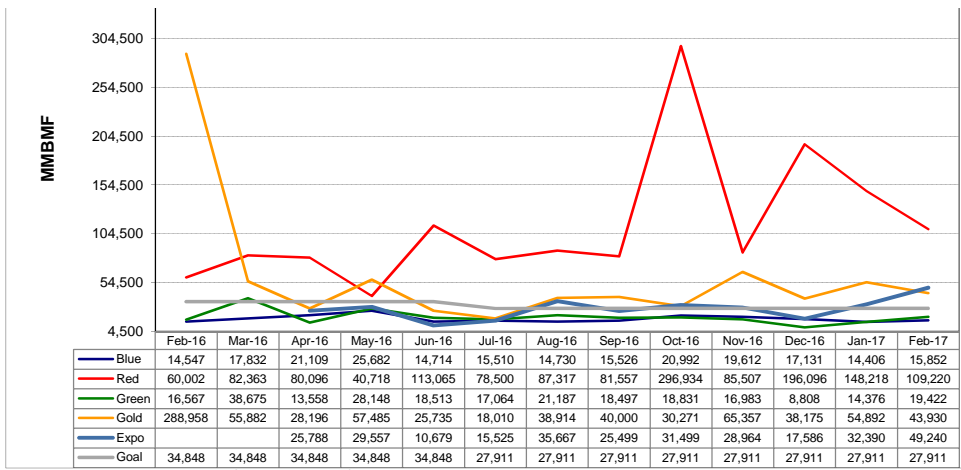
### Ratio of Scheduled to Revenue Hours Delivered by Line



### Mean Miles Between Mechanical Failures by Line

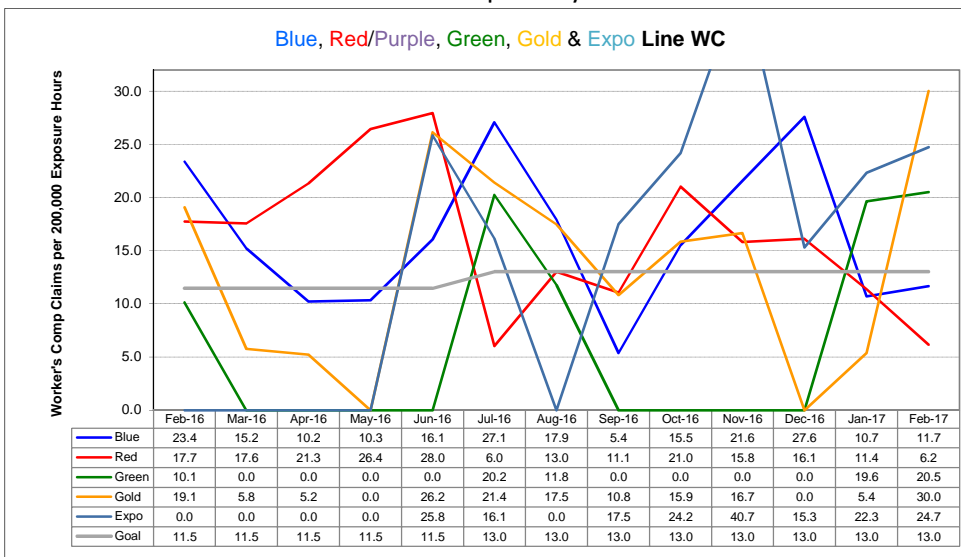




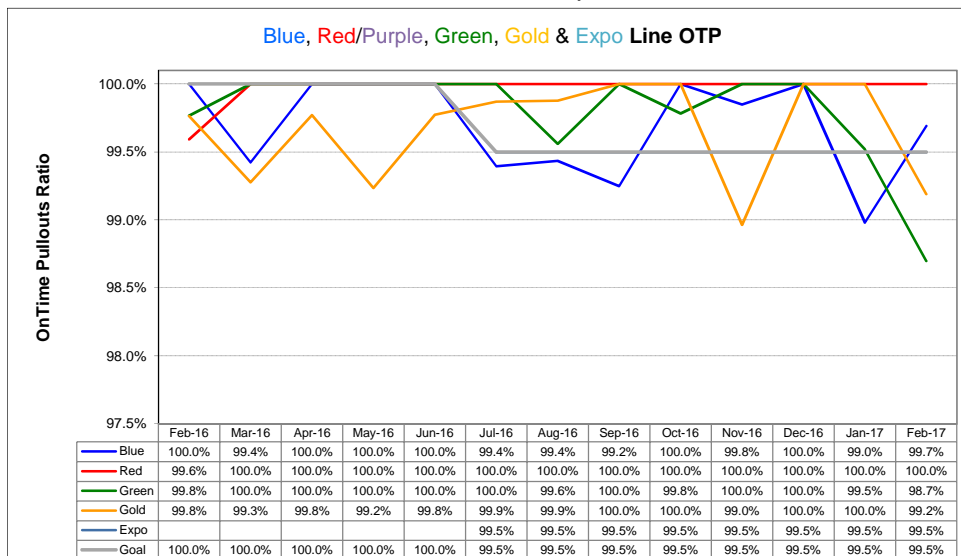


Expo Line Service began in March 2016.

### Workers Comp Claims by Line



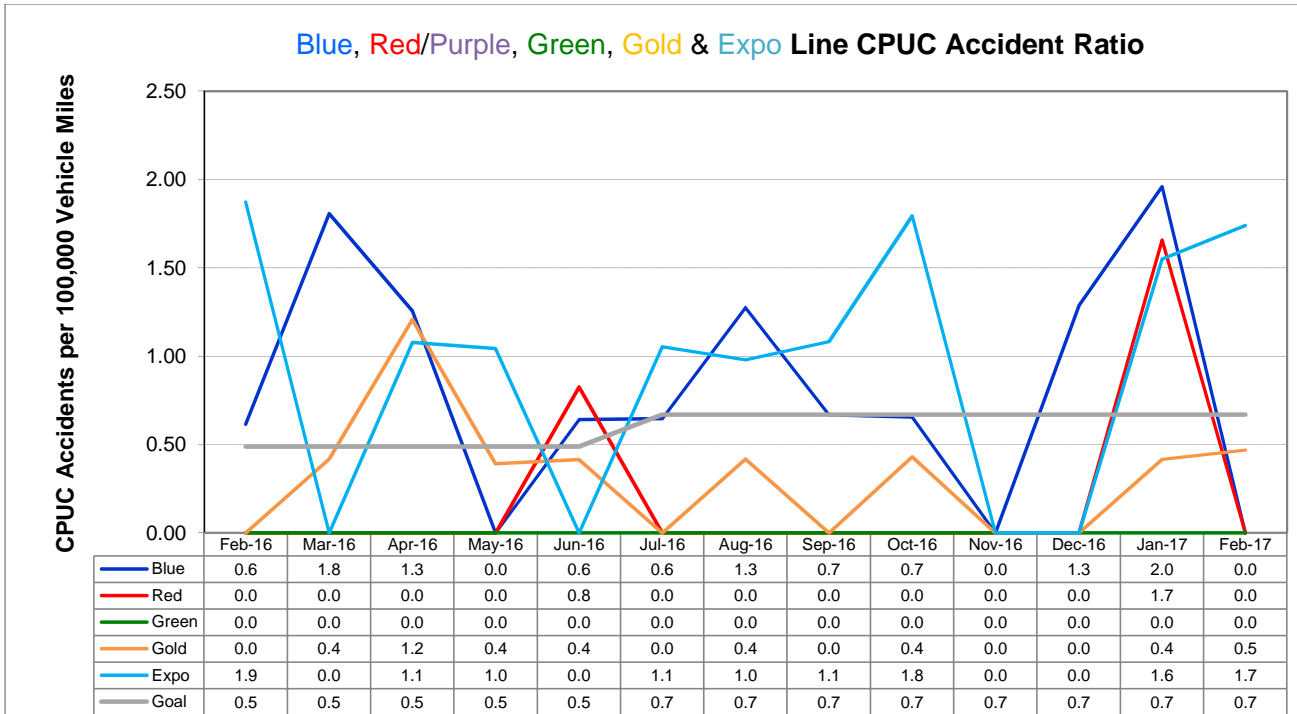
### On-Time Pullouts Ratio by Line



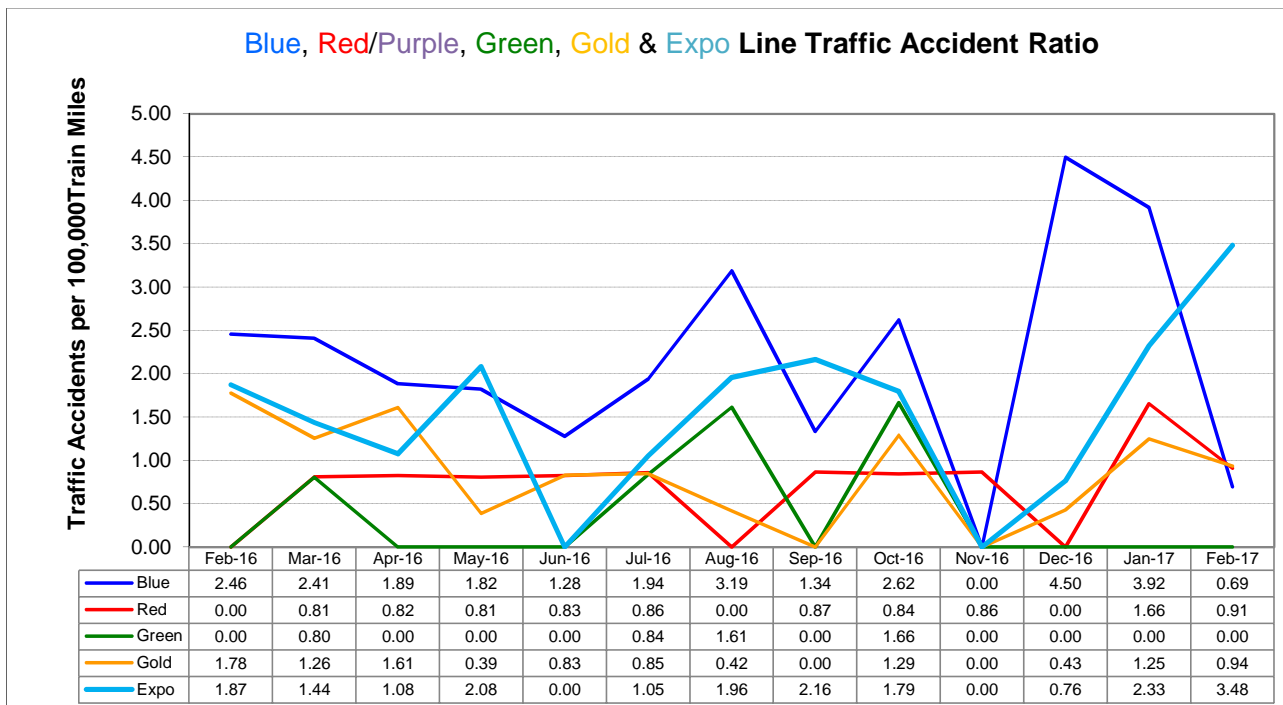
Expo Line Service began in March 2016.

# Rail Safety Performance

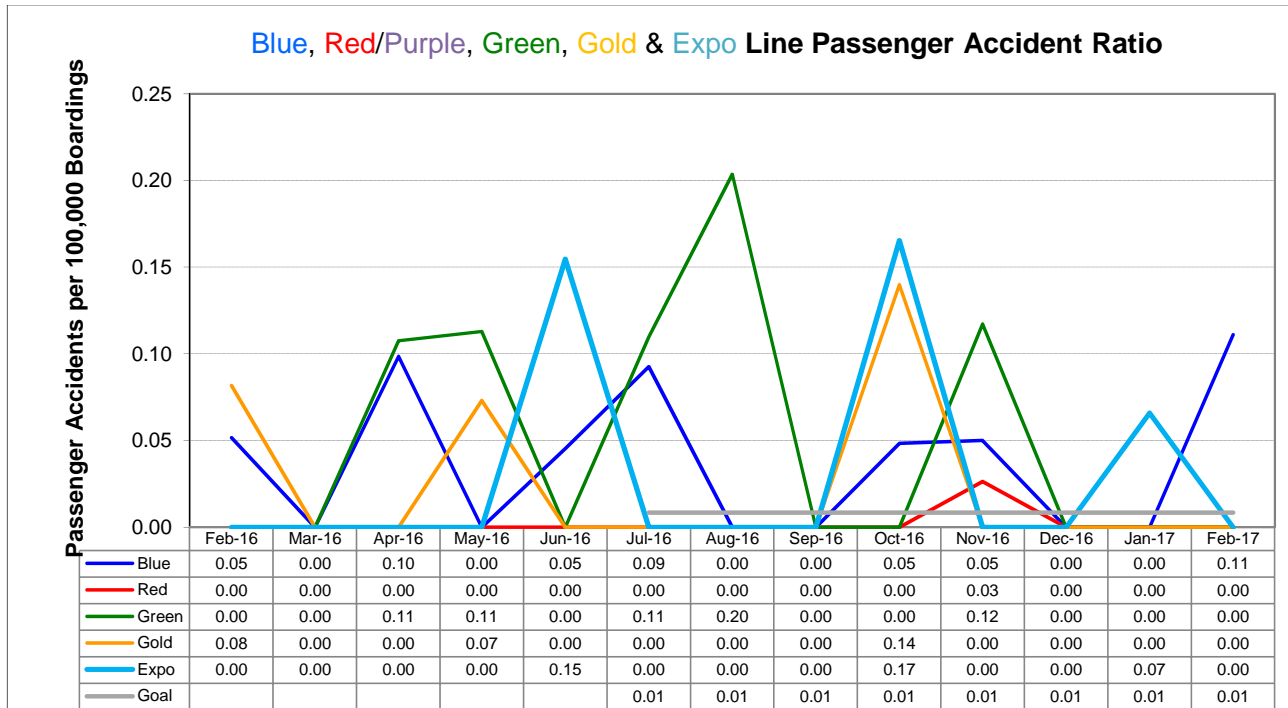
## CPUC REPORTABLE ACCIDENTS PER 100,000 TRAIN MILES



## TRAFFIC ACCIDENTS PER 100,000 TRAIN MILES



### PASSENGER ACCIDENTS PER 100,000 BOARDINGS

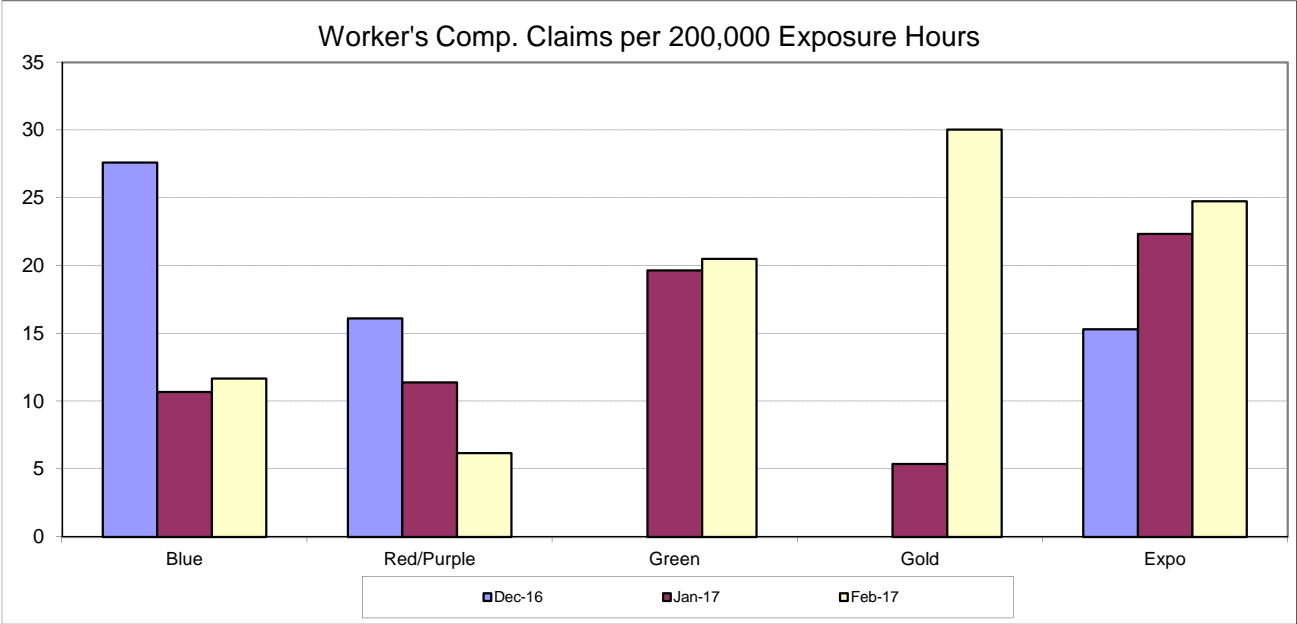


Expo Line Service began in March 2016.

# Worker's Comp. Claims

Dec 2016 - Feb 2017

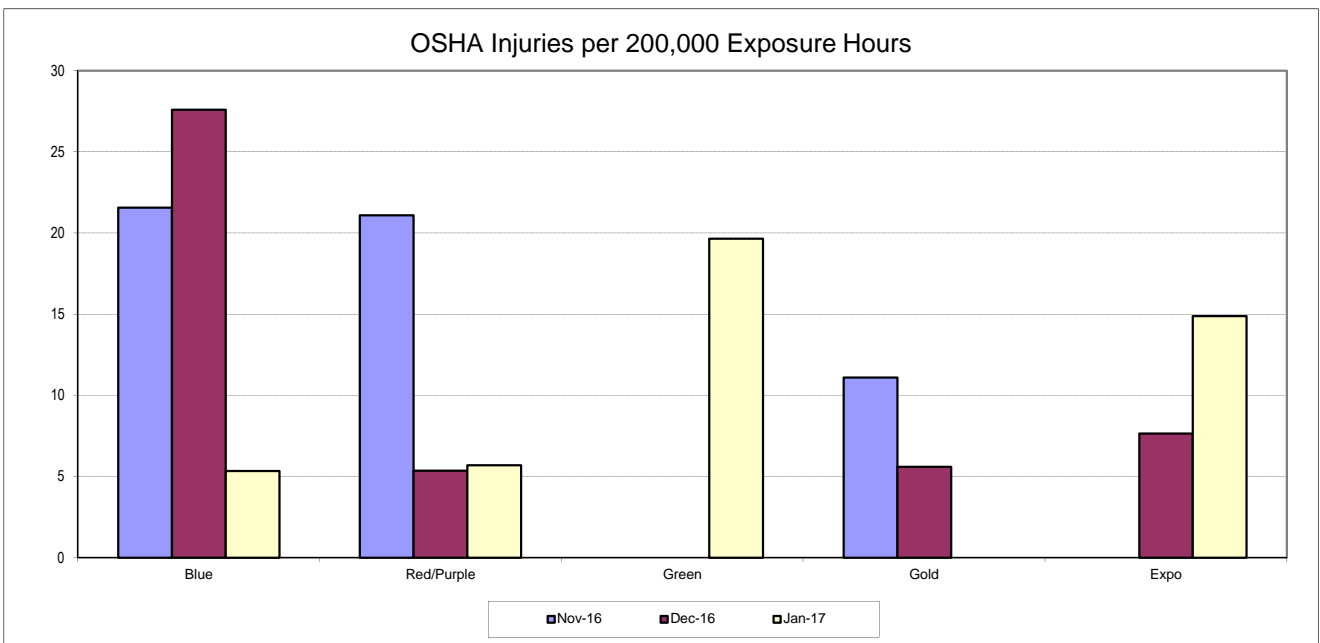
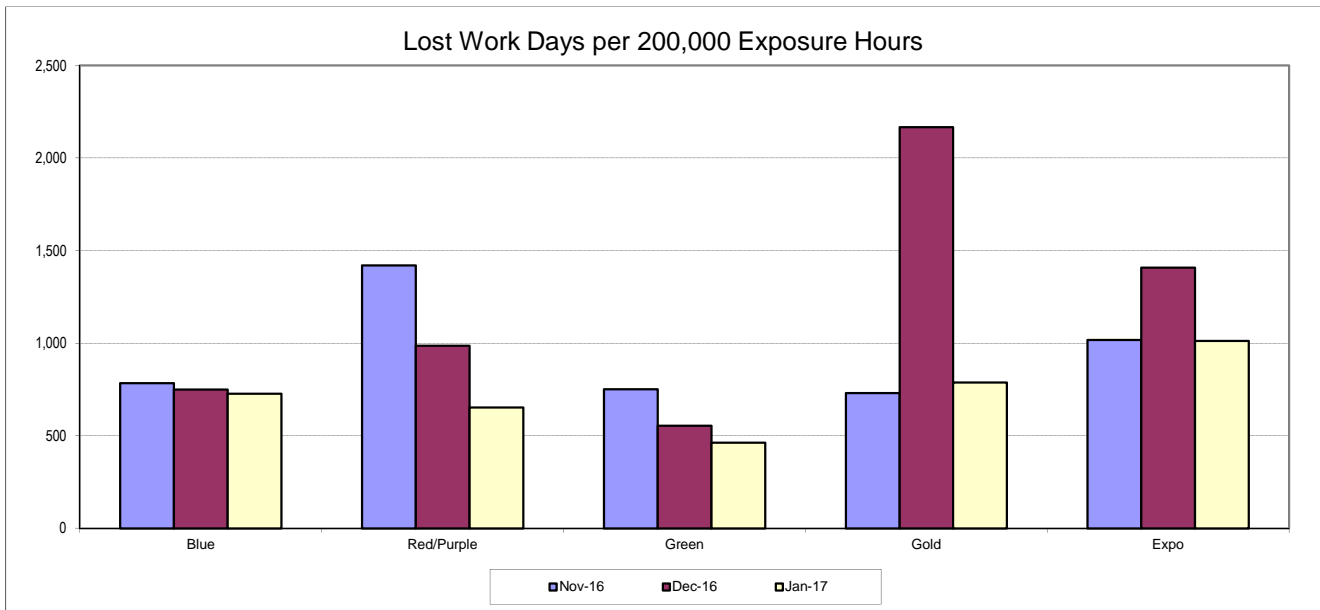
3 Month Comparison



## Lost Work Days and OSHA Injuries

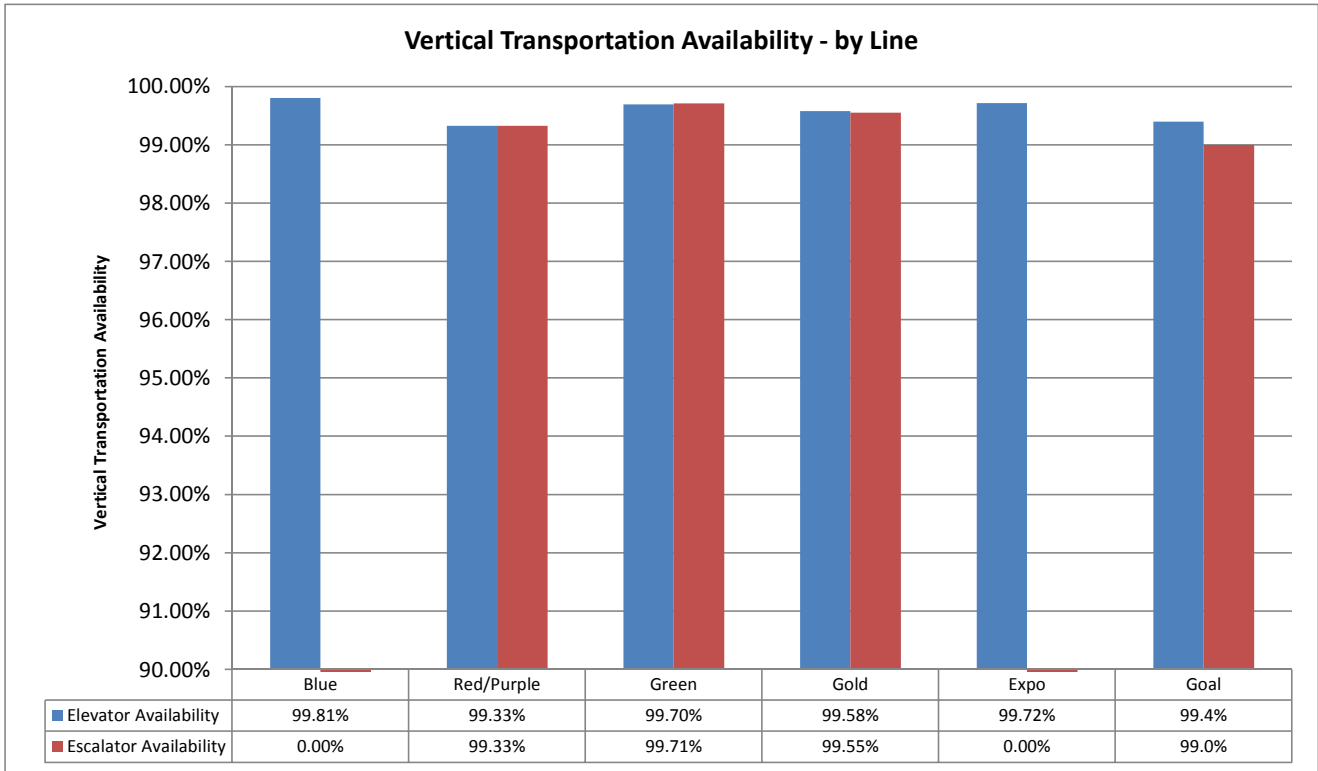
### Nov 2016 - Jan 2017

### 3 Month Comparison



Note: There is a one month lag in Lost Work Days and OSHA data.

## Systemwide Vertical Transportation Availability by Line



Note: No Escalators at Blue and Expo Lines

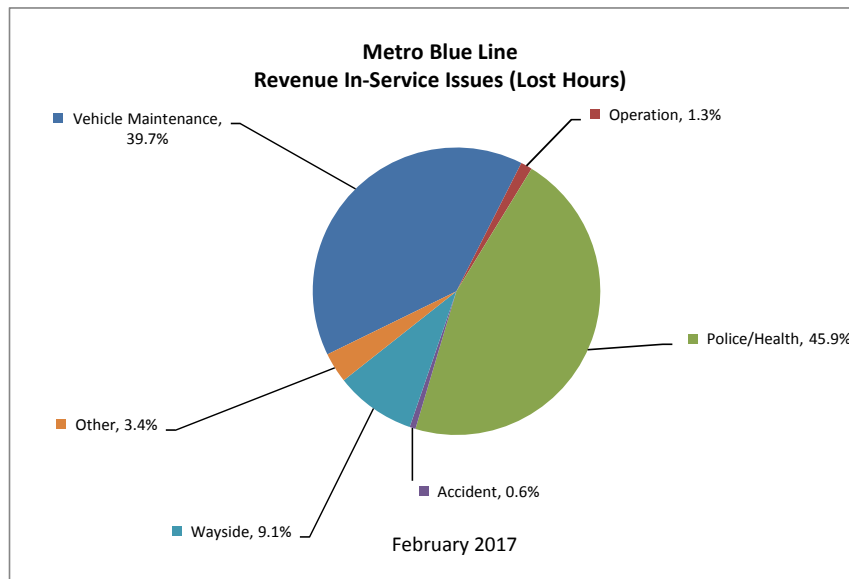
## BLUE LINE

Out of a total of 19,045 hours operated, there were approximately 438 total hours of service delays.

February 2017 Service Hours *	Revenue	
	Hours	Per Cent
Revenue Hours without Delays	18,607	97.7%
Cancelled + Delayed Hours	438	2.3%
<b>Total Revenue Hours</b>	<b>19,045</b>	<b>100.0%</b>

Summary of the major contributors:	Count	Hours	Per Cent
Operations	4	5.8	1.3%
Accidents	1	2.8	0.6%
Vehicle Maintenance	59	173.7	39.7%
Wayside	4	39.8	9.1%
Police & Health	20	200.9	45.9%
Other	9	15.0	3.4%
<b>Total</b>	<b>97</b>	<b>438.1</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy



## February 2017 Blue Line major delay contributors were as follows:

### **Operations Incidents:**

**2/13/2017 5:26:00 AM - Incident# 2833807 (0 lost trips, 7 lost minutes)**

Train #110 departing late due to Operator 10-100

**2/21/2017 7:13:00 PM - Incident# 2837227 (1 lost trip, 168 lost minutes)**

Train Delay

T-149

Train 104

Willow Station Southbound.

**2/23/2017 10:48:00 AM - Incident# 2837900 (0 lost trips, 8 lost minutes)**

Train 104 departed Transit Mall 8 minutes late due to a 10-100

**2/28/2017 4:38:00 PM - Incident# 2839740 (1 lost trip, 168 lost minutes)**

Train 121: Loss of Air Pressure

T-246

Cars: 110, (126), 124

Del Amo, trk 2, SB

### **Accidents:**

**2/8/2017 11:38:00 AM - Incident# 2832413 (1 lost trip, 168 lost minutes)**

Train vs. Other (10-390 hit windshield of train as it was approaching Florence Station).

### **Vehicle Maintenance Incidents:**

**2/1/2017 6:08:00 AM - Incident# 2829571 (3 lost trips, 502 lost minutes)**

Friction Brakes (Emergency Braking)

(231A)--230-250

Train 106

T-76

Compton, Southbound, Track 2

**2/1/2017 6:12:00 AM - Incident# 2829589 (0 lost trips, 7 lost minutes)**

No Fault - No Movement

(163)-100-148

Train 115

T-69

Willow, Northbound, Track 1

**2/2/2017 9:35:00 AM - Incident# 2830079 (0 lost trips, 6 lost minutes)**

Prop fault on car 229A

T-81, train 104

(229)-248-235

7MC, tail track 1, south

**2/2/2017 4:58:00 PM - Incident# 2830265 (0 lost trips, 10 lost minutes)**

No Fault - No Movement on car 1014

T-325, train 628

(1014)-1027

Junction, track 2, south

**2/2/2017 5:14:00 PM - Incident# 2830276 (2 lost trips, 335 lost minutes)**

Prop fault on car 123

T-300, train 108

139-(123)-158

Compton Station, track 1, north

**2/2/2017 6:24:00 PM - Incident# 2830289 (1 lost trip, 178 lost minutes)**

Operator reports of re-occurring Propulsion faults with Speed Restriction.

Train 101

T-300

Cars(302) 236, 301

Vernon Station, Track 1, Northbound.



**2/3/2017 6:09:00 AM - Incident# 2830404 (1 lost trip, 175 lost minutes)**

Operator reports of train not having any cab signals.

Train 103

T-046

Cars (248)-244-233

Trk 2 Washington Station

Southbound

**2/3/2017 10:28:00 AM - Incident# 2830561 (3 lost trips, 507 lost minutes)**

Recurring propulsion fault with a speed restriction.

Train#107

T#79

(153A),113,119

Track 2,Vernon Station,Southbound

**2/3/2017 1:11:00 PM - Incident# 2830701 (1 lost trip, 174 lost minutes)**

Propulsion fault with a speed restriction.

Train#111

T#292

(117B),162,135

Track 2, Florence Station,Southbound

**2/6/2017 5:09:00 PM - Incident# 2831588 (2 lost trips, 335 lost minutes)**

Train operator reports smoking brakes at Del Amo Station.

Train 124, T-307

237-(248AB)-239

Track 2, Del Amo, South

**2/6/2017 6:51:00 PM - Incident# 2831606 (1 lost trip, 174 lost minutes)**

Prop/Dyanmic Unclearable

Train 101 Track #2 SB Florence Interlocking

T-490

(301B)-229

**2/6/2017 11:06:00 PM - Incident# 2832118 (0 lost trips, 20 lost minutes)**

Doors

Train 103

(242-235-302)

Trk 1 Wardlow Station

20 minute service delay

**2/7/2017 4:55:00 AM - Incident# 2831705 (0 lost trips, 12 lost minutes)**

Propulsion Fault Dynamic

Train 109

T-200

(242)-235-302

TRK 2 20th Street

**2/7/2017 11:26:00 AM - Incident# 2831912 (2 lost trips, 350 lost minutes)**

No movement at 55th Grade

Train 102

Consist: (239), 232, 250

T-102

55th grade, northbound, track 2

**2/8/2017 11:58:00 AM - Incident# 2832434 (1 lost trip, 168 lost minutes)**

Doors

(242B)-302-235

Train 109

T-164

Transit Mall, Northbound, Track 2

**2/9/2017 7:59:00 AM - Incident# 2832747 (0 lost trips, 4 lost minutes)**

Train 111 reporting overspeed on LRV 101A Unable to proceed north from Vernon Station.

Train 111

T-046

LRV'S ( 101A ) 168-119

Vernon Station, Track 1, Northbound.

**2/9/2017 9:16:00 AM - Incident# 2832781 (1 lost trip, 172 lost minutes)**

Car Logic alarm on LRV 148A ( No Movement )

Train 103

T-164

LRV'S ( 148A ) 145-105

Transit Mall Station Track 1, northbound.

**2/10/2017 5:06:00 AM - Incident# 2833086 (2 lost trips, 332 lost minutes)**

Coupler/ Uncoupled on the Main Line.

Train 111

T-152

238-234-(229)

S/B Mile Post 17 before Wardlow Station

12 minute delay

**2/10/2017 6:20:00 PM - Incident# 2833386 (0 lost trips, 20 lost minutes)**

Operator T-201 reports of self applying brakes.

Train 105

T-201

Cars (239B) 240, 239

8th St, Track 1, Northbound

**2/10/2017 6:24:00 PM - Incident# 2833384 (0 lost trips, 6 lost minutes)**

Operator T-79 reports of no movement.

Train 123

T-79

Cars (165), 163, 117

108th St Grade Crossing, Track 2, Southbound

**2/11/2017 5:45:00 PM - Incident# 2833593 (0 lost trips, 4 lost minutes)**

Door will not open.

Train 110

T-059

(241)235

Northbound, Track 1 Willow station.

**2/14/2017 4:03:00 PM - Incident# 2834529 (0 lost trips, 10 lost minutes)**

Train-126

T-086

Cars (229A)-230-302

Northbound, Track #1

103rd Street Station

Doors, Operator unable to cutout.

**2/14/2017 4:17:00 PM - Incident# 2834541 (0 lost trips, 10 lost minutes)**

Train-101

T-415

Cars 235-(239)-241

Southbound Track #2

Willowbrook Station

Propulsion / Dynamic Brakes unable to clear.

**2/15/2017 4:45:00 AM - Incident# 2834634 (2 lost trips, 340 lost minutes)**

Doors/Train Line

Train 108

T-262

140-131-(118)

Del Amo Station N/B Trk 1

**2/15/2017 8:07:00 AM - Incident# 2834737 (0 lost trips, 13 lost minutes)**

Train-105  
T-095  
Cars (250)-240-238  
Southbound Track #2  
Compton Station  
Propulsion / Dynamic Brakes unable to clear.

**2/16/2017 5:25:00 PM - Incident# 2835356 (0 lost trips, 10 lost minutes)**

Train 124 reporting no movement with a friction brake problem  
Train 124  
T-307  
LRV'S ( 232 ) 242-239  
103rd Street Station, Track 1 , northbound.

**2/17/2017 5:18:00 AM - Incident# 2835455 (0 lost trips, 19 lost minutes)**

Doors/Train  
Train 102  
T-281  
(104)-119-103  
7th Metro S/B/ Grand Station  
19 minute service delay

**2/17/2017 6:59:00 AM - Incident# 2835530 (1 lost trip, 166 lost minutes)**

Train 108  
T-26  
164-158-(136)  
Washington S/B  
6 minute delay

**2/17/2017 10:20:00 AM - Incident# 2835598 (1 lost trip, 166 lost minutes)**

Spin slide, prop fault with speed restriction.  
Train 101  
T-352  
(241)-237-235  
NB, Pacific Station, Track 1

**2/17/2017 2:42:00 PM - Incident# 2835783 (0 lost trips, 6 lost minutes)**

7th/Metro: No Movement Southbound  
T-256, Train 107  
Cars 113-119-104  
Train Controller: R-168  
Communications Controller: R-066

**2/18/2017 12:05:00 AM - Incident# 2835995 (1 lost trip, 116 lost minutes)**

Propulsion faults with speed restriction.  
Train 101  
T-81  
Track 1, N/B  
Wardlow Station  
(233A)-302

**2/18/2017 6:27:00 AM - Incident# 2836041 (1 lost trip, 116 lost minutes)**

Propulsion faults with speed restriction.  
Train 109  
T-200  
Track 2, S/B  
Grand station  
(136A)-158-164

**2/18/2017 8:29:00 AM - Incident# 2836071 (0 lost trips, 21 lost minutes)**

Operator reports no movement at 5th Street Station  
Train 103  
T-076  
LRV'S ( 241 ) 248  
5th Street Station, track 2, southbound.

**2/18/2017 2:14:00 PM - Incident# 2836137 (10 lost trips, 1,162 lost minutes)**

Friction Brakes self applying brakes with no Movement.

Train 108

T-258

LRV'S ( 241 ) 248

Willow Street, track 2, southbound.

**2/19/2017 4:27:00 AM - Incident# 2836243 (1 lost trip, 174 lost minutes)**

Operator reports of a friction Brake Fault with restricted speed

Train #105

T-390

Cars(244)-239-242

Del Amo Station

Northbound TRK 1

**2/19/2017 8:57:00 AM - Incident# 2836277 (1 lost trip, 178 lost minutes)**

Friction Brakes no movement.

Train 105

T-079

(112B)-161-150

Northbound, Nadeau Track 1.

**2/20/2017 5:48:00 AM - Incident# 2836458 (1 lost trip, 168 lost minutes)**

Propulsion / Dynamic Brakes

(107A)-158-161

Train 112

T-50

Artesia, Northbound, Track 1

**2/21/2017 4:52:00 AM - Incident# 2836813 (1 lost trip, 168 lost minutes)**

Friction Brake Fault

Unclearable friction brake fault

Train 107

T-259

(155)-148-156

N/B Artesia

**2/21/2017 5:36:00 AM - Incident# 2836838 (1 lost trip, 168 lost minutes)**

AC Fault

Train 102

T-281

237-(240)-248

S/B Artesia Station

**2/21/2017 6:53:00 AM - Incident# 2836852 (1 lost trip, 168 lost minutes)**

Propulsion Faults

Train 118

T-246

(165)-136

Compton Station N/B Trk 1

**2/21/2017 9:11:00 AM - Incident# 2836894 (0 lost trips, 11 lost minutes)**

Friction Brake/ No movement.

Train #105.

T-281.

LRV-(244A), 239, 301.

119th Street, Northbound, Track #1.

**2/22/2017 6:35:00 PM - Incident# 2837663 (2 lost trips, 347 lost minutes)**

Operator reports no movements southbound.

Cars 162, 128, 148

Train 126

T-307

Washington TRK 2, southbound

**2/23/2017 12:08:00 AM - Incident# 2837849 (0 lost trips, 4 lost minutes)**

Train 104 reporting re occurring self applying brakes.  
Train 104  
T-282  
LRV'S 239B-244-237  
Transit Mall, track 2, northbound.

**2/23/2017 4:43:00 AM - Incident# 2837752 (0 lost trips, 12 lost minutes)**

Friction Brakes No Movement  
Train 101  
T355  
(239)-244-237  
N/B 1N 7th Metro  
12 minute delay

**2/23/2017 4:49:00 AM - Incident# 2837750 (2 lost trips, 349 lost minutes)**

Doors/No Movement  
Train 109  
T-200  
(242)233-301  
S/B Willow trk 2  
13 minute delay

**2/23/2017 2:21:00 PM - Incident# 2838037 (1 lost trip, 174 lost minutes)**

Train 110 reports Dynamic Brakes fault on LRV 100A  
Train 110  
T-321  
LRV'S ( 100A )- 127-129  
8th & Pacific, track 1, north.

**2/23/2017 3:59:00 PM - Incident# 2838096 (0 lost trips, 10 lost minutes)**

Train 108 reports getting a call over the intercom from a passengers about smoking brakes.  
Train 108  
T-026  
LRV'S ( 248 ) 231-241  
Florence Station Track 2, southbound.

**2/23/2017 6:35:00 PM - Incident# 2838153 (0 lost trips, 6 lost minutes)**

Operator T-201 reports of having self applying brakes.  
Train 111  
T-201  
Cars (120A) 138-155  
Willow Station, Track 2, Northbound

**2/23/2017 7:00:00 PM - Incident# 2838158 (0 lost trips, 14 lost minutes)**

Operator T-238 could not engage street run.  
Train 108  
T-238  
Cars (231B),242  
5th Street Station, Track 2, Southbound

**2/23/2017 7:59:00 PM - Incident# 2838547 (1 lost trip, 168 lost minutes)**

Operator T-258 reports of self-applying brakes.  
Train 105  
T-258  
Cars (301B)- 233-242  
Anaheim Station, Track 1, Northbound

**2/24/2017 3:21:00 PM - Incident# 2838491 (2 lost trips, 338 lost minutes)**

Train 102 reports Propulsion Faults and speed restriction of 35mph northbound.

**2/26/2017 1:28:00 PM - Incident# 2838869 (1 lost trip, 151 lost minutes)**

Reports smoking brakes.  
Train 105, T-042  
(242)-239-238  
Track 1, Willowbrook, North

**2/26/2017 2:49:00 PM - Incident# 2838879 (1 lost trip, 158 lost minutes)**

Train reported a propulsion fault, unclearable, with a speed restriction.

Train 111, T-505

(301B)-232-233

Track 2, Del Amo, South

**2/26/2017 8:00:00 PM - Incident# 2838911 (3 lost trips, 453 lost minutes)**

Train operator reports loss of power at 18th and flower.

Train 109, T-495

(127)-111

Track 1, 18th & Flower, North

**2/27/2017 7:40:00 AM - Incident# 2839085 (0 lost trips, 4 lost minutes)**

Reports door problem.

Train # 104

T-335

234-(250)-229

7th and Metro Center Station, Track 1, NB

**2/27/2017 11:10:00 AM - Incident# 2839180 (1 lost trip, 180 lost minutes)**

No fault, no movement.

Train 109

Consist: (118b), 151,148

T-076

Florence Station, southbound, track 2

**2/27/2017 12:29:00 PM - Incident# 2839216 (0 lost trips, 8 lost minutes)**

No fault, no movement

Train 105

Consist: 220-250-(234)

T-201

North of Stockwell St, southbound, track 2

**2/27/2017 2:20:00 PM - Incident# 2839257 (2 lost trips, 347 lost minutes)**

Self applying Friction Brakes after going into Emergency braking to avoid making contact with a trespasser.

Train 103

T-286

LRV'S ( 239B ) 242-235

Century Crossing, track 1, northbound.

**2/27/2017 4:58:00 PM - Incident# 2839321 (6 lost trips, 1,018 lost minutes)**

Train 105 reports no movement with Propulsion Faults.

Train 105

T-352

LRV'S ( 246A ) 237-238

Slauson Station, Track 2 , southbound.

**Wayside Incidents:**

**2/6/2017 8:52:00 AM - Incident# 2831342 (8 lost trips, 1,353 lost minutes)**

DC Breaker: Open at San Pedro B02/B04 Washington B02/B04 and deenergized tracks, with Train 108 smoke in trailing car 153 at San Pedro Station.

**2/7/2017 10:43:00 AM - Incident# 2831896 (2 lost trips, 341 lost minutes)**

Per Adeline at x21600 customer reports tire damage at Washington/Long Beach Av track.

**2/17/2017 1:25:00 PM - Incident# 2835680 (4 lost trips, 684 lost minutes)**

Greenleaf Grade Crossing Gate Broken

**2/24/2017 4:39:00 AM - Incident# 2838231 (0 lost trips, 11 lost minutes)**

Switch 13 at Willow pocket track out of correspondence.

**Police & Health Incidents:**

**2/1/2017 7:07:00 PM - Incident# 2829857 (0 lost trips, 6 lost minutes)**

Operator reports of a female patron reporting being threatened by a male individual with a gun.  
Train 101  
T-187  
Cars(143A), 157, 126  
Grand Station, Track 2, Southbound.

**2/3/2017 6:38:00 PM - Incident# 2830759 (11 lost trips, 1,826 lost minutes)**

Deputy Roguey from LASD, contacted control reporting that one of the Street lights pole at Long Beach Blvd and Burnett Blvd is smoldering and smoking.

**2/4/2017 8:04:00 AM - Incident# 2830851 (0 lost trips, 16 lost minutes)**

LASD requested time points for train 105 to remove 10\*390; Unresponsive patron; medical response; taken into custody.  
Train 105  
T-262  
NB, Pacific Station, Track 1

**2/6/2017 1:46:00 AM - Incident# 2831169 (0 lost trips, 50 lost minutes)**

Automobile incursion onto ROW near 55th Street intersection. Fencing needs to be repaired/replaced btwn 49th & 50th Streets.

**2/7/2017 6:30:00 PM - Incident# 2832074 (0 lost trips, 6 lost minutes)**

Traffic Accident/Track #1 Blocked  
Train 101 SB Washington/Hooper St  
T-293

**2/8/2017 11:06:00 PM - Incident# 2832604 (0 lost trips, 17 lost minutes)**

Operator T-86 reports of a male patron having a seizure aboard the train.  
Train 109  
T-86  
Cars 113-156  
Willow Station, Track 1, Northbound

**2/9/2017 6:04:00 PM - Incident# 2833000 (0 lost trips, 10 lost minutes)**

Operator T-211 reports of a male patron having a seizure aboard the train.  
Train 105  
T-211  
Cars 165-163-117  
103rd Station, Track 1, Northbound

**2/9/2017 9:19:00 PM - Incident# 2833045 (2 lost trips, 335 lost minutes)**

Deputy Ason reported a suspect with a firearm at Firestone Station Platform.

**2/13/2017 5:09:00 PM - Incident# 2834144 (0 lost trips, 7 lost minutes)**

Blockade.  
Washington/Long Beach, Track #2, Southbound.  
Train #119.  
T-240.  
LRV- (151A), 149, 148.

**2/15/2017 9:56:00 PM - Incident# 2834988 (0 lost trips, 9 lost minutes)**

Deputy Pearston requested to hold Train 101, operator T-75 at 103rd St Station, due to a male patron with a knife.

**2/16/2017 4:36:00 PM - Incident# 2835337 (0 lost trips, 6 lost minutes)**

R-136 reporting a female on board train 126, LRV 231 is claiming that she got shot, no bleeding or injury visible.

**2/16/2017 4:51:00 PM - Incident# 2835342 (0 lost trips, 10 lost minutes)**

Train 106 got a call over the intercomm reporting a physical fight on board at 1651 hours at Vernon Station.

**2/18/2017 6:23:00 PM - Incident# 2836194 (0 lost trips, 6 lost minutes)**

Operator T-149 reports of a male patron requesting medical assistance.  
Train 101  
T-149  
Cars(154A)-123-119  
7th/Metro, Track 1, Northbound

**2/18/2017 7:18:00 PM - Incident# 2836207 (0 lost trips, 13 lost minutes)**

Private security officer Gabriel at Del Amo Station reported a passenger who exited the train reported to him, of a black male with a blue shirt and black pants, threatening passengers with a screwdriver.

**2/18/2017 7:35:00 PM - Incident# 2836214 (0 lost trips, 9 lost minutes)**

Operator T-53 reports of a male patron with a knife aboard the train.

T-53

Train 110

Cars 123-1119

Florence Station, Track 1, Northbound

**2/19/2017 12:14:00 PM - Incident# 2836308 (0 lost trips, 6 lost minutes)**

Assault

Train 106

T-522

106-115-140

Northbound, track 1 Florence station.

**2/23/2017 1:25:00 PM - Incident# 2837999 (1 lost trip, 178 lost minutes)**

Train 105 reports that an African American female is having a seizure onboard on LRV 126A At Del Amo Station

**2/25/2017 6:34:00 PM - Incident# 2838745 (1 lost trip, 151 lost minutes)**

Deputy Witmore request for the Trains to bypass Firestone Station due to police activity.

**2/28/2017 5:25:00 AM - Incident# 2839441 (56 lost trips, 9,387 lost minutes)**

Vehicle entered ROW at Pico Bl northbound thru 12th st and came to rest blocking tracks 1 & 2 inside Pico Portal.

**2/28/2017 7:29:00 PM - Incident# 2839763 (0 lost trips, 6 lost minutes)**

7th/Metro: Possible 10-390

Black Male, 40-48 years of age

**Other Incidents:**

**2/6/2017 4:39:00 AM - Incident# 2831181 (2 lost trips, 335 lost minutes)**

Out Late: Mechanical failure (3x in yard)

**2/8/2017 12:35:00 AM - Incident# 2832116 (0 lost trips, 20 lost minutes)**

Soiled Train

Train 108

T-86

(245B)-233

7thMetro Trk 2

20 min delay

**2/11/2017 4:30:00 AM - Incident# 2833445 (0 lost trips, 6 lost minutes)**

Train105 was late to Yard Limits

Train 105

T-095

120-149-161

Yard Limits, Signal 4N, northbound

**2/13/2017 6:40:00 AM - Incident# 2833884 (1 lost trip, 168 lost minutes)**

Train #119 experienced propulsion brake faults and a speed restriction arriving at the yard limits.

**2/15/2017 3:37:00 AM - Incident# 2834633 (0 lost trips, 7 lost minutes)**

T-95 caused 7 minute service delay due to operator error. Unknown reason for delay.

**2/16/2017 5:52:00 AM - Incident# 2835059 (0 lost trips, 10 lost minutes)**

Train Late, Yard control and operator error.

Train 101

T-95

(239)-242-232

Transit Mall N/B

**2/18/2017 9:00:00 AM - Incident# 2836068 (2 lost trips, 232 lost minutes)**

Train 193 pull-out 30 minutes late due to no manpower at the Yard.



**2/18/2017 1:16:00 PM - Incident# 2836120 (1 lost trip, 116 lost minutes)**

Patron kick the glass window out door number 5/6 on LRV 141B.

Train 111

T-522

LRV'S ( 141B ) 115-140

Willowbrook Station, track 2, southbound.

**2/19/2017 2:00:00 PM - Incident# 2836329 (0 lost trips, 5 lost minutes)**

Train 109 delayed 5 minutes at relief platform.

T-335

Track 2

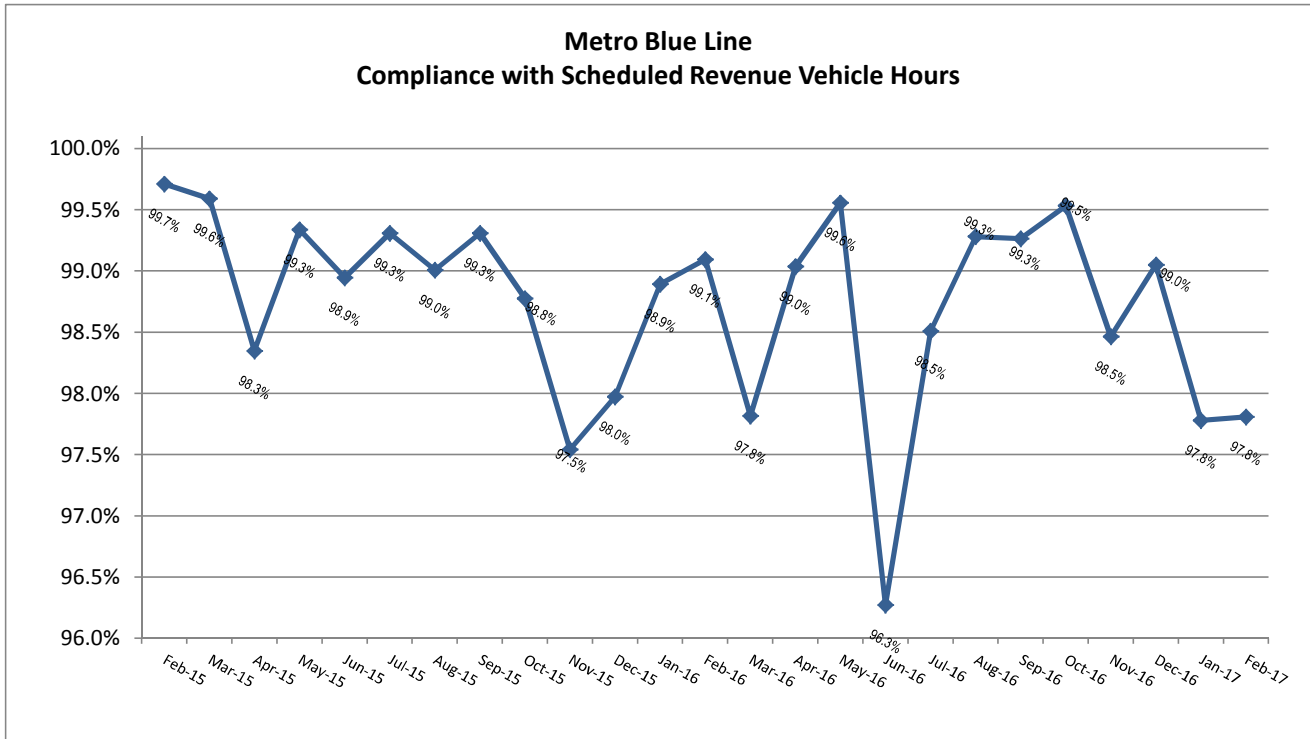
Southbound

232-240

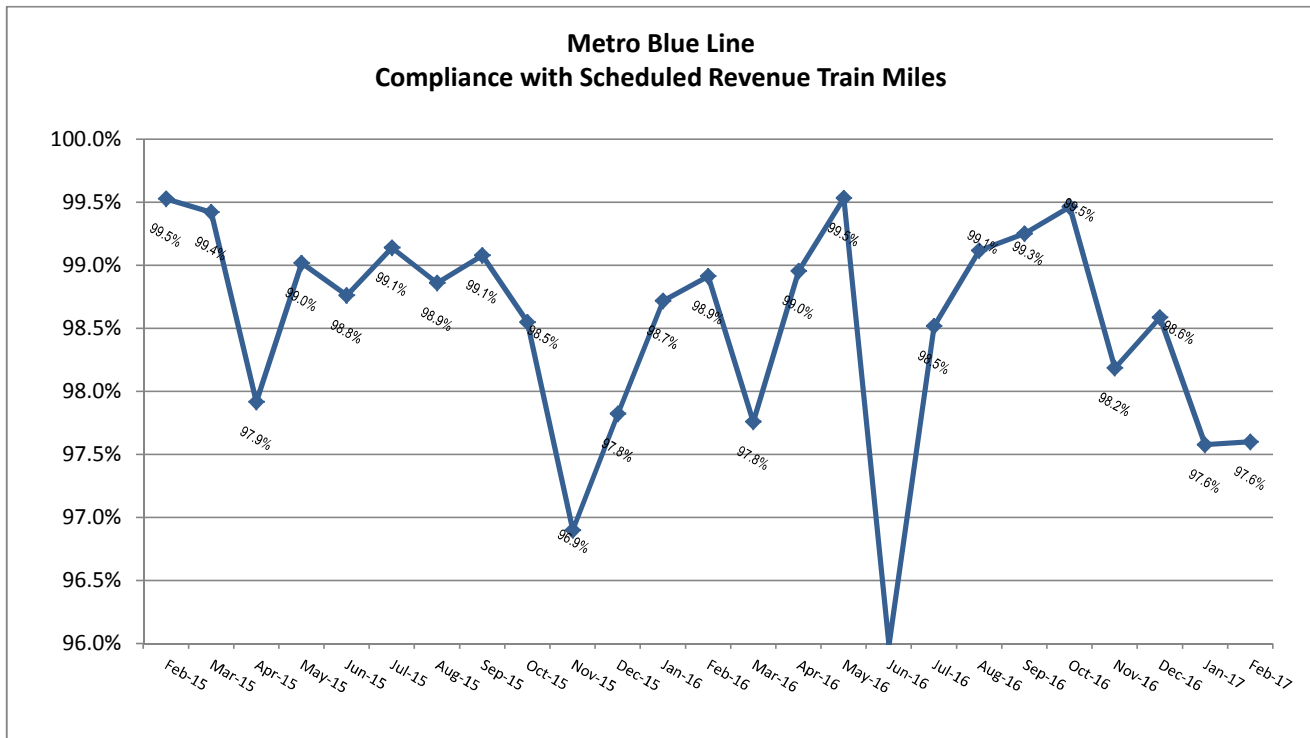
Operator making relief T-353

# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

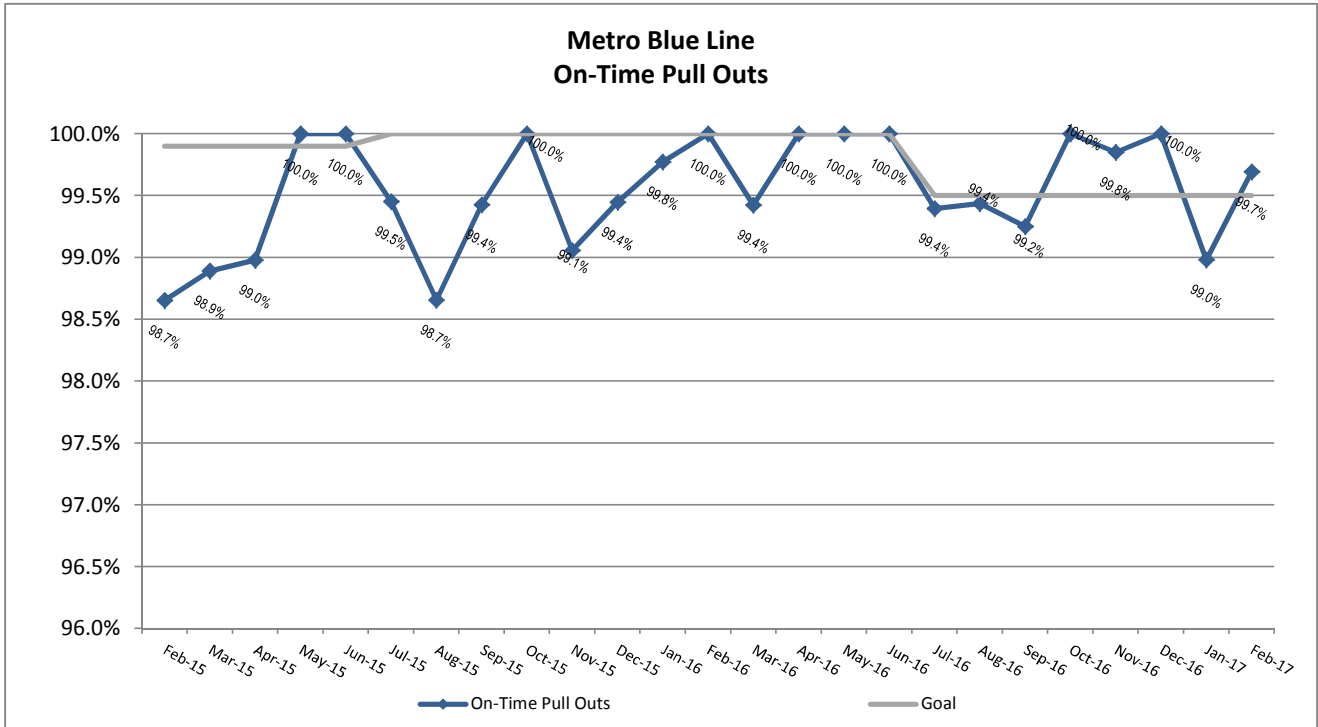
## COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



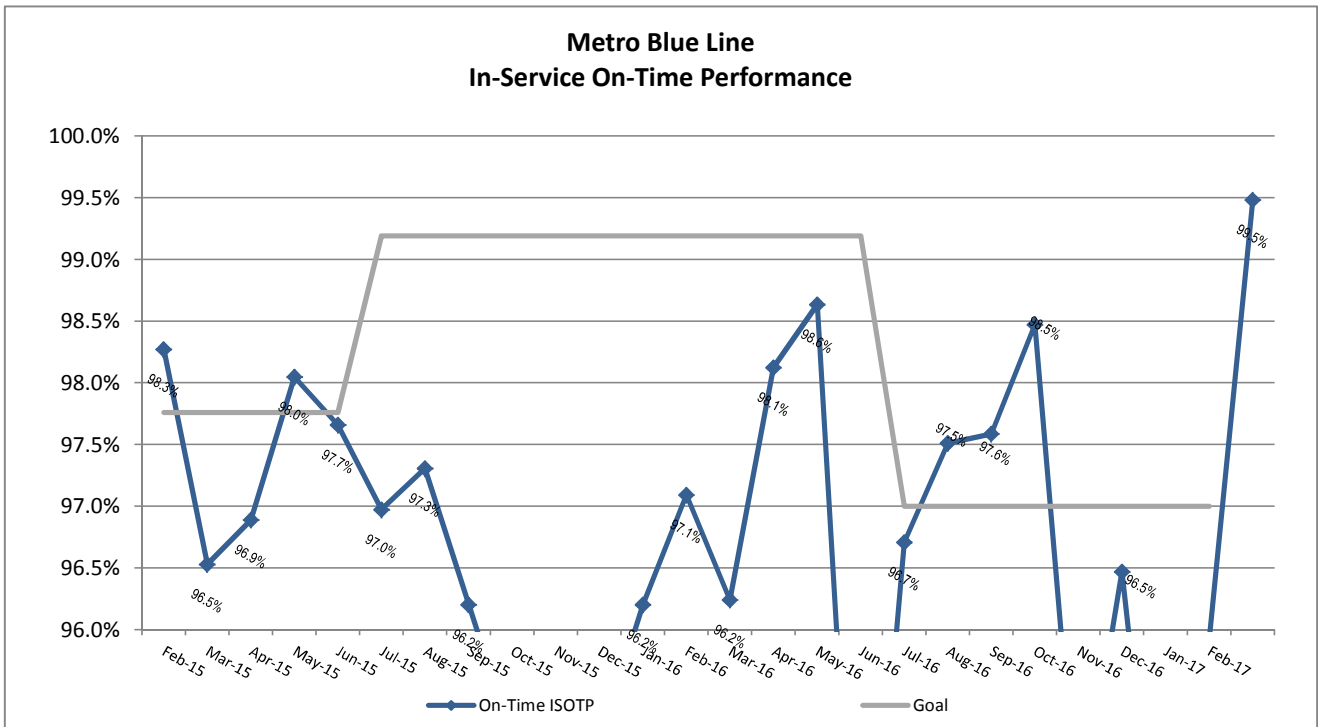
## COMPLIANCE WITH SCHEDULED TRAIN MILES CHART



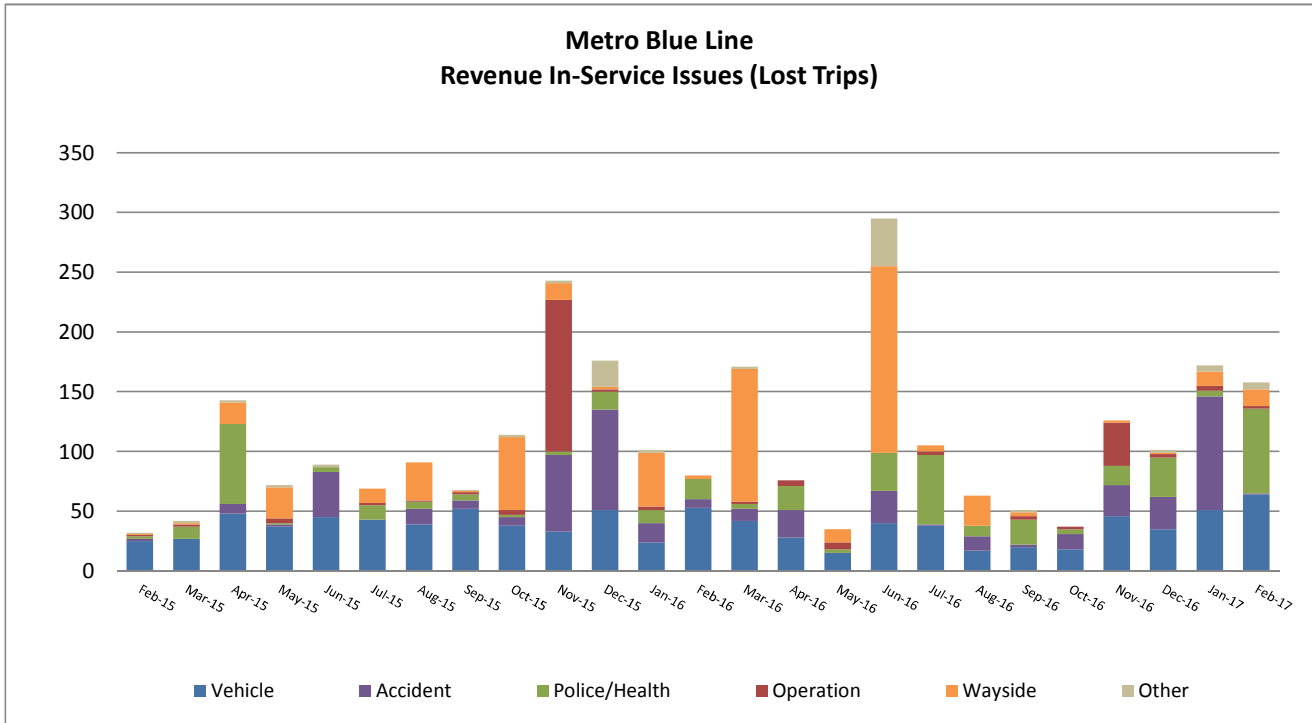
### ON-TIME PULL OUTS CHART



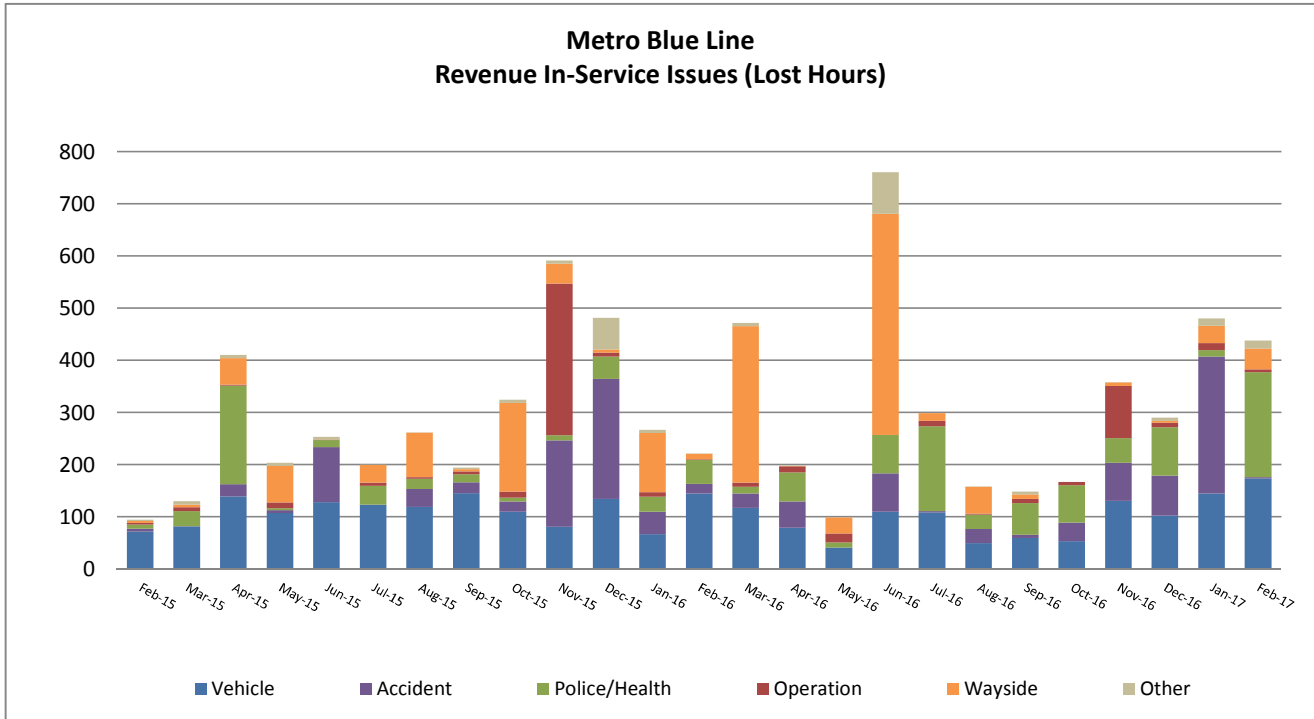
### IN-SERVICE ON-TIME PERFORMANCE CHART



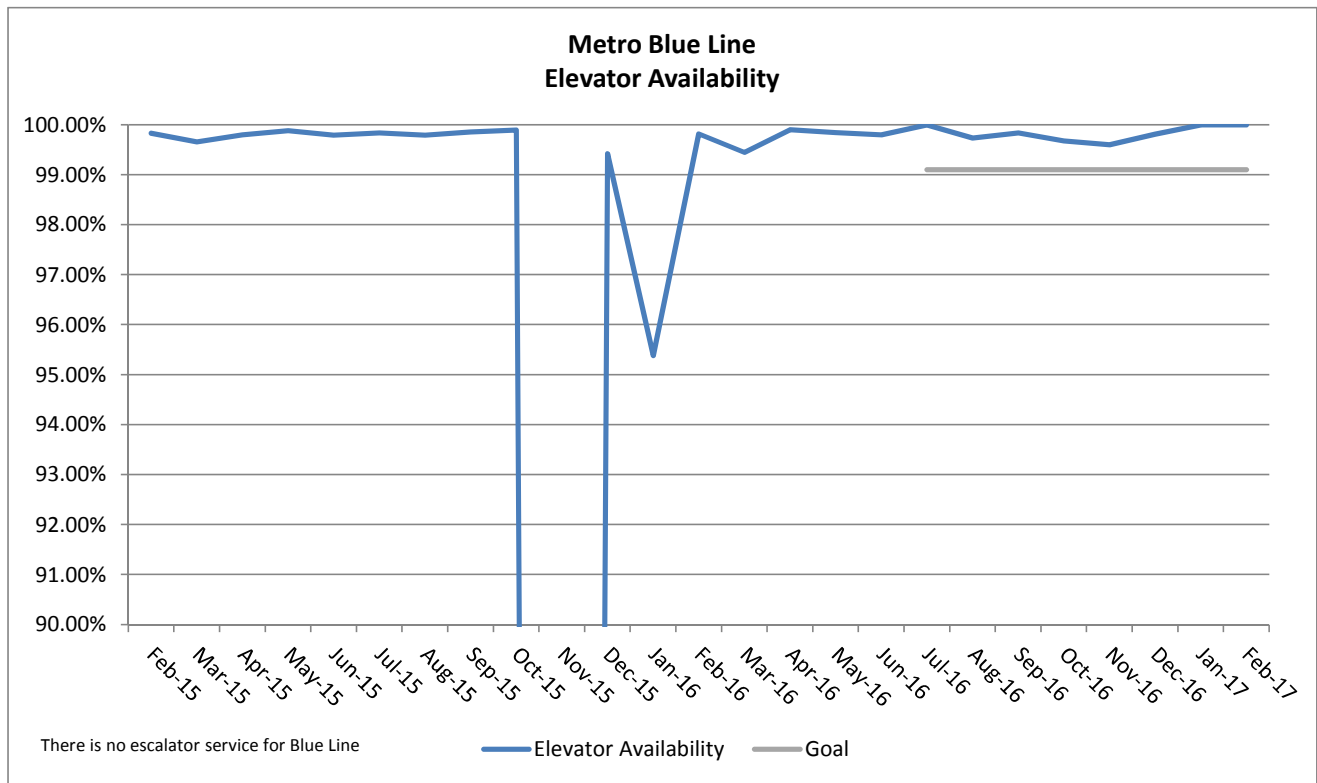
## LOST TRIPS



## LOST HOURS



# VERTICAL TRANSPORTATION AVAILABILITY



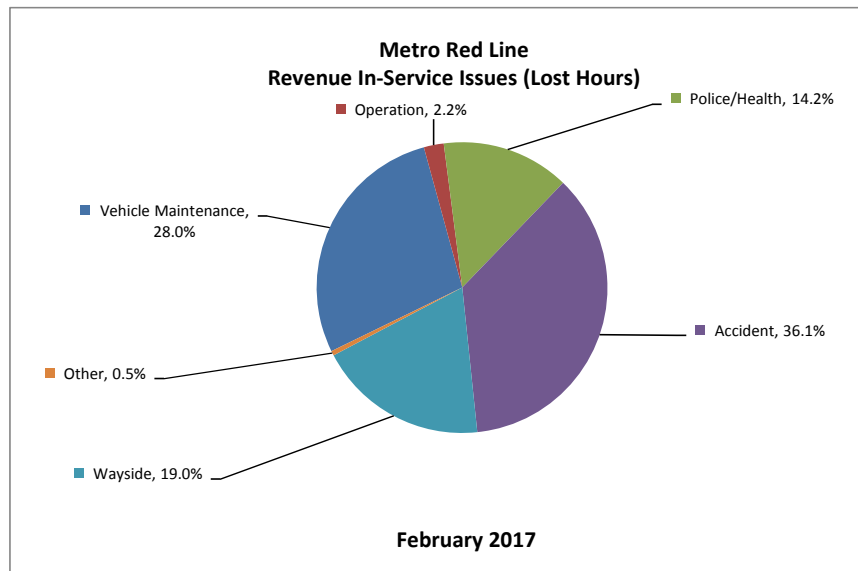
## RED LINE

Out of a total of 24,817 hours operated, there were approximately 114 total hours of service delays.

February 2017 Service Hours *	Revenue	
	Hours	Per Cent
Revenue Hours without Delays	24,703	99.5%
Cancelled + Delayed Hours	114	0.5%
<b>Total Revenue Hours</b>	<b>24,817</b>	<b>100.0%</b>

Summary of the major contributors:	Count	Hours	Per Cent
Operations	2	2.6	2.2%
Accidents	3	41.3	36.1%
Vehicle Maintenance	12	32.0	28.0%
Wayside	2	21.7	19.0%
Police & Health	9	16.3	14.2%
Other	3	0.6	0.5%
<b>Total</b>	<b>31</b>	<b>114.5</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy



## February 2017 Red Line major delay contributors were as follows:

### Operations Incidents:

**2/3/2017 9:15:00 PM - Incident# 2830773 (1 lost trip, 149 lost minutes)**

Work Permit: D-005 Dyna Electric

Single Tracking Vermont/Santa Monica to Hollywood/Vine. 09:00 Hrs Traction Power Breaker unable to close, incident caused revenue service disruption.

**2/21/2017 5:46:00 PM - Incident# 2837214 (0 lost trips, 4 lost minutes)**

T-006 requests authorization to enter the main line with cars 521,530,553,554 for testing purposes.

### Accidents:

**2/5/2017 5:48:00 AM - Incident# 2831031 (20 lost trips, 2,340 lost minutes)**

Train 205 (549,550,543,544)T-101 reports 10-72 at MPM 7.3 on the AL, just west of crosspassage 28.

**2/21/2017 5:53:00 AM - Incident# 2836833 (0 lost trips, 20 lost minutes)**

Westbound train 210 arcing on approach to North Hollywood AR.

False Occupancy at North Hollywood Interlocking AR Track.

**2/25/2017 5:07:00 AM - Incident# 2838605 (1 lost trip, 121 lost minutes)**

Train 202 entered Hollywood/Highland Station individual fell and made contact with train.

### Vehicle Maintenance Incidents:

**2/1/2017 7:25:00 AM - Incident# 2829622 (0 lost trips, 10 lost minutes)**

Flashing Cab Signals Car # 583

Union Station AR West

Train # 202 T-367

Car # (583)-584-573-574

**2/2/2017 11:57:00 AM - Incident# 2830153 (0 lost trips, 6 lost minutes)**

Train 205 (565,566,589,590) T-333, Westlake Station, AL reports someone reported that an individual was banging their head in car 565 and shattered the window.

**2/2/2017 7:24:00 PM - Incident# 2830293 (0 lost trips, 20 lost minutes)**

Reports emergency brake failure and unable to move.

**2/3/2017 11:05:00 AM - Incident# 2830570 (0 lost trips, 20 lost minutes)**

Train 205 (567,568,553,554) T-080, 7th & Metro and again at Vermont Beverly Station, AR reports emergency brake application with one door off of the platform.

**2/3/2017 6:36:00 PM - Incident# 2830744 (1 lost trip, 149 lost minutes)**

Train 201: Air Loss/Emergency Brake Application

T-117

Wilshire Western, BR

Cars: 535,542,549,550

**2/7/2017 4:56:00 PM - Incident# 2832050 (0 lost trips, 12 lost minutes)**

Train 219 (527,522,509,508,507,510) T-041, 7th & Metro, AR reports he has door problems, responding to trouble shoot.

**2/8/2017 4:11:00 PM - Incident# 2832497 (5 lost trips, 742 lost minutes)**

Train 218 (547,548,543,544,569,570) T-271, North Hollywood Station, AR reports that on his westbound trip he noticed car 547 indicated electric brake and propulsion cut out and he had to engage in MTO a couple of times to release friction brakes.

**2/8/2017 5:23:00 PM - Incident# 2832551 (1 lost trip, 148 lost minutes)**

Service Brake Failure and Propulsion Failure.

Train # 218

T-329

Cars #577-578-555-(556)-535-536.

E/Bound Hollywood A/L Track.

**2/9/2017 6:35:00 AM - Incident# 2832716 (1 lost trip, 148 lost minutes)**

Operator reports a loss of propulsion/no movement at Wilshire Vermont AL east.

Train

T-90

Cars 567 568 (547) 547.

**2/17/2017 3:50:00 PM - Incident# 2835805 (1 lost trip, 149 lost minutes)**

R-052 reports excessive amount of water accumulated throughout the entire six car consist on train 205 (577,578,535,536,585,586) Union Station, AL

**2/20/2017 6:26:00 AM - Incident# 2836479 (2 lost trips, 368 lost minutes)**

Operator reports no movement due to emergency brake application.

Train 211

T-9

Cars 569 570 531 532 583 (584).

Hollywood Vine interlocking AL east.

**2/23/2017 9:11:00 AM - Incident# 2837876 (1 lost trip, 148 lost minutes)**

No movement (Friction Brakes not Releasing)

Train 207

T-080

537-538-(539)-540

Union Station AL West

**Wayside Incidents:**

**2/14/2017 9:33:00 AM - Incident# 2834349 (8 lost trips, 1,187 lost minutes)**

SCADA indicates Hollywood Vine TPSS D-01, D-02, D-03, D-04 with LKTRP alarm along with DIS-01 open. Deenergized track between Hollywood Western and Hollywood Vine Station on both tracks. Train 209 on the AL track near crosspassage 32.

**2/25/2017 12:26:00 AM - Incident# 2838592 (1 lost trip, 116 lost minutes)**

TRACS 4 indicates ETS tripped at Hollywood Vine AL track (ETS RN60) with Smoke Dection and water flow.

**Police & Health Incidents:**

**2/1/2017 8:42:00 PM - Incident# 2829892 (2 lost trips, 297 lost minutes)**

Pershing Square male patron brandishing a knife on the platform. Male patron described as a african american wearing black sweater and black pants.

**2/8/2017 6:50:00 AM - Incident# 2832262 (1 lost trip, 148 lost minutes)**

Sick patron on board Train 206 car # 567 AR Platform Union Station.

**2/8/2017 6:56:00 AM - Incident# 2832252 (0 lost trips, 5 lost minutes)**

Platform intrusion gate activation AL west.

Pershing Square

LASD notified.

**2/10/2017 4:05:00 PM - Incident# 2833358 (0 lost trips, 164 lost minutes)**

Hollywood Highland: Backpack Stuck Between 3rd Rail

Train Controller: R-183

Communication Controller #1: R-066

Communication Controller #2: R-053

**2/15/2017 9:53:00 AM - Incident# 2834765 (2 lost trips, 309 lost minutes)**

G-529 reports sexual assault onboard train 205 westbound at Pershing/Square. Train held at 7th Metro for LASD assistance.

**2/20/2017 9:45:00 PM - Incident# 2836760 (0 lost trips, 14 lost minutes)**

Union Station: Intoxicated Female

**2/21/2017 7:50:00 AM - Incident# 2837463 (0 lost trips, 6 lost minutes)**

T-212/Train 209 reports an individual in need of medical assistance.

**2/25/2017 3:23:00 AM - Incident# 2838600 (0 lost trips, 30 lost minutes)**

Reports trespasser on the AR track near CP-17 walking towards Westlake.

**2/27/2017 3:56:00 PM - Incident# 2839237 (0 lost trips, 5 lost minutes)**

T-179 reports an unresponsive female covered uop with a plastic bag. Operator is unsure of passenger condition.

**Other Incidents:**

**2/7/2017 6:16:00 AM - Incident# 2831736 (0 lost trips, 7 lost minutes)**

Train 209 delayed 7 minutes due to a signaling problem at yard.

**2/8/2017 3:45:00 PM - Incident# 2832491 (0 lost trips, 6 lost minutes)**

Train 206 (587,588,561,562) T-271, Wilshire Western, BR, reports a patron will not let the train depart and is adamant that the operator tend to making a report regarding having his laptop stolen.

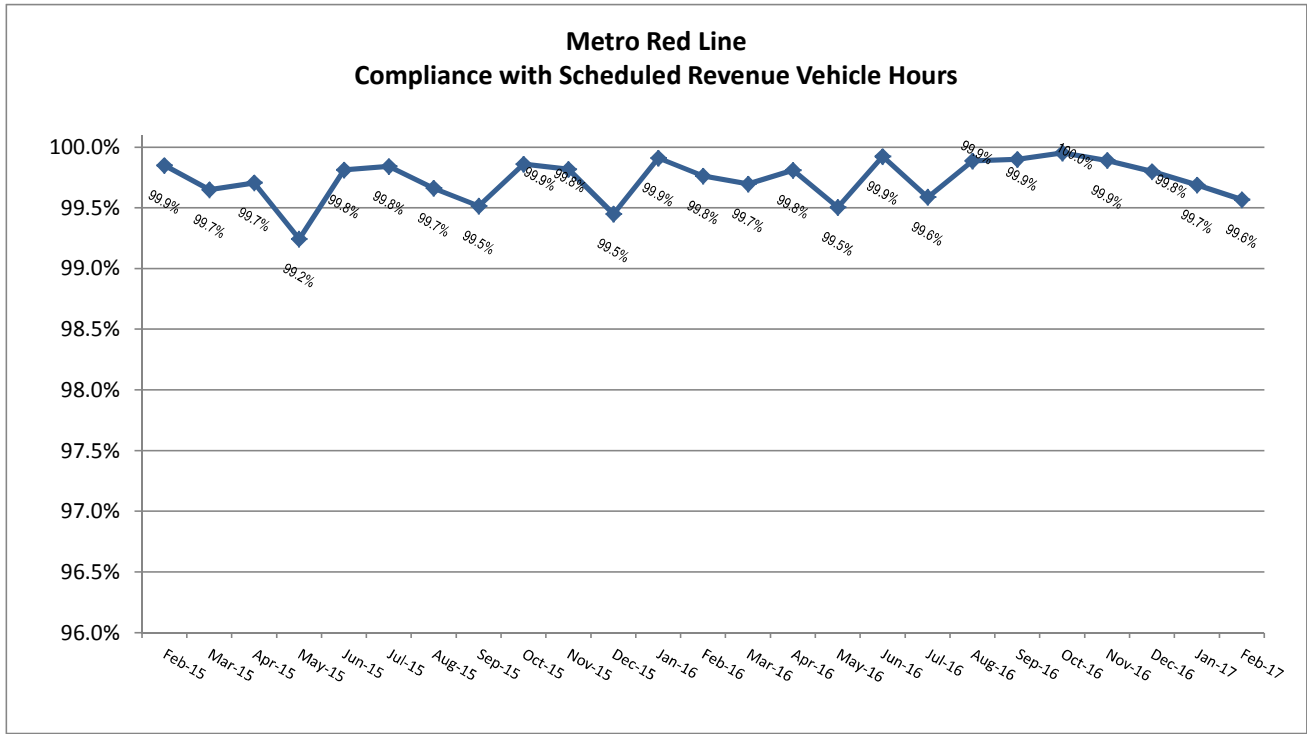
**2/16/2017 11:01:00 PM - Incident# 2835415 (0 lost trips, 20 lost minutes)**

TRACS indicates loss the remote terminal unit throughout the mainline.

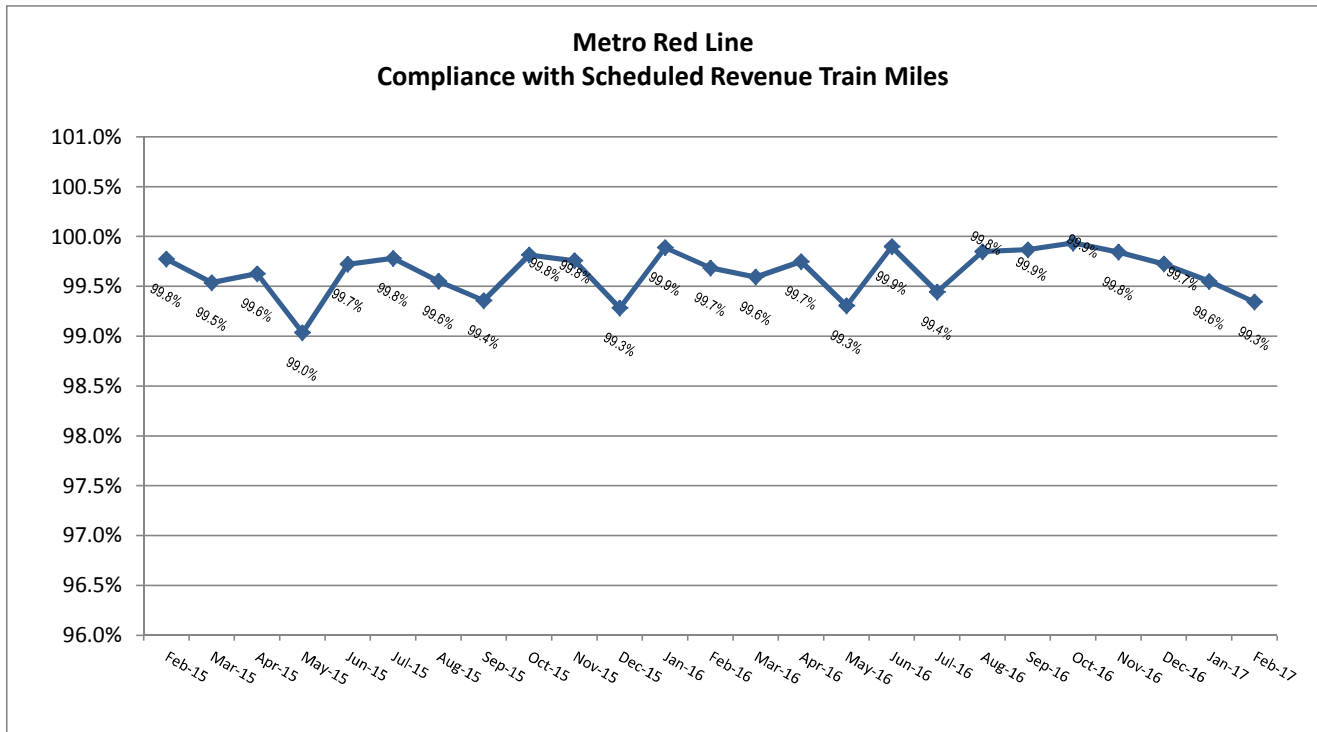


# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

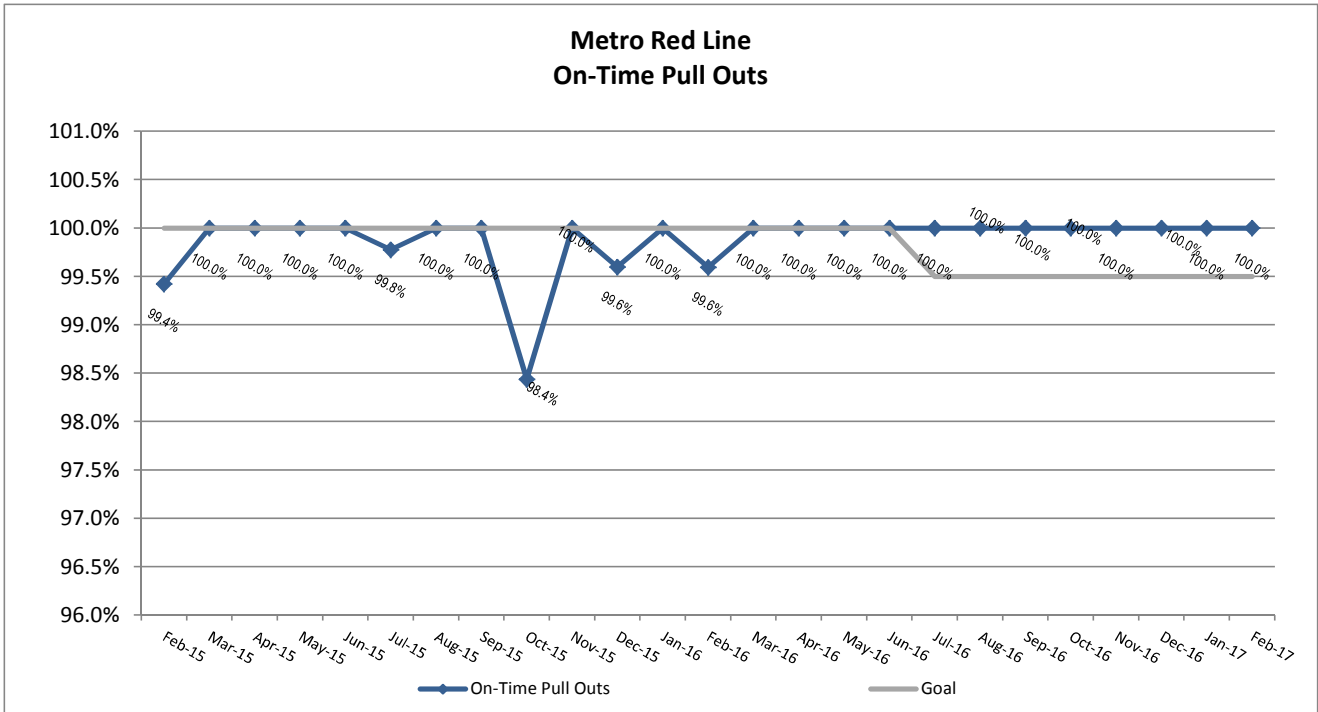
## COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



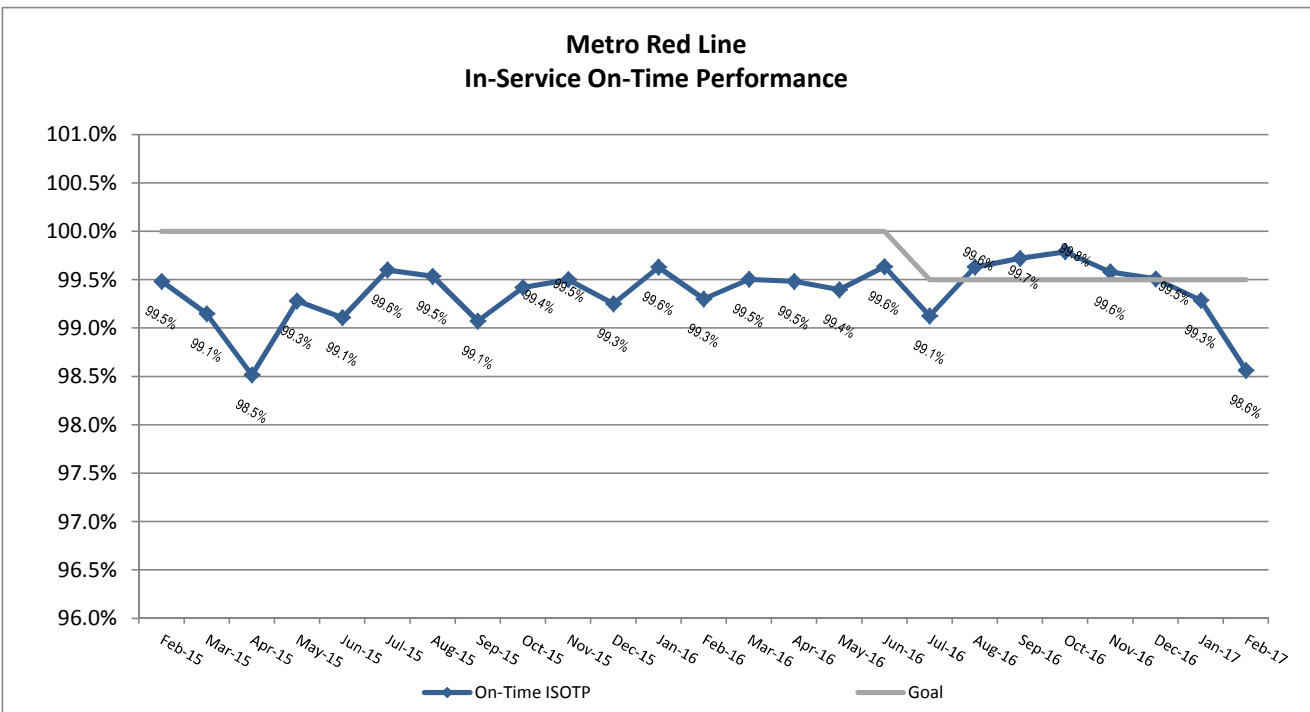
## COMPLIANCE WITH SCHEDULED TRAIN MILES CHART



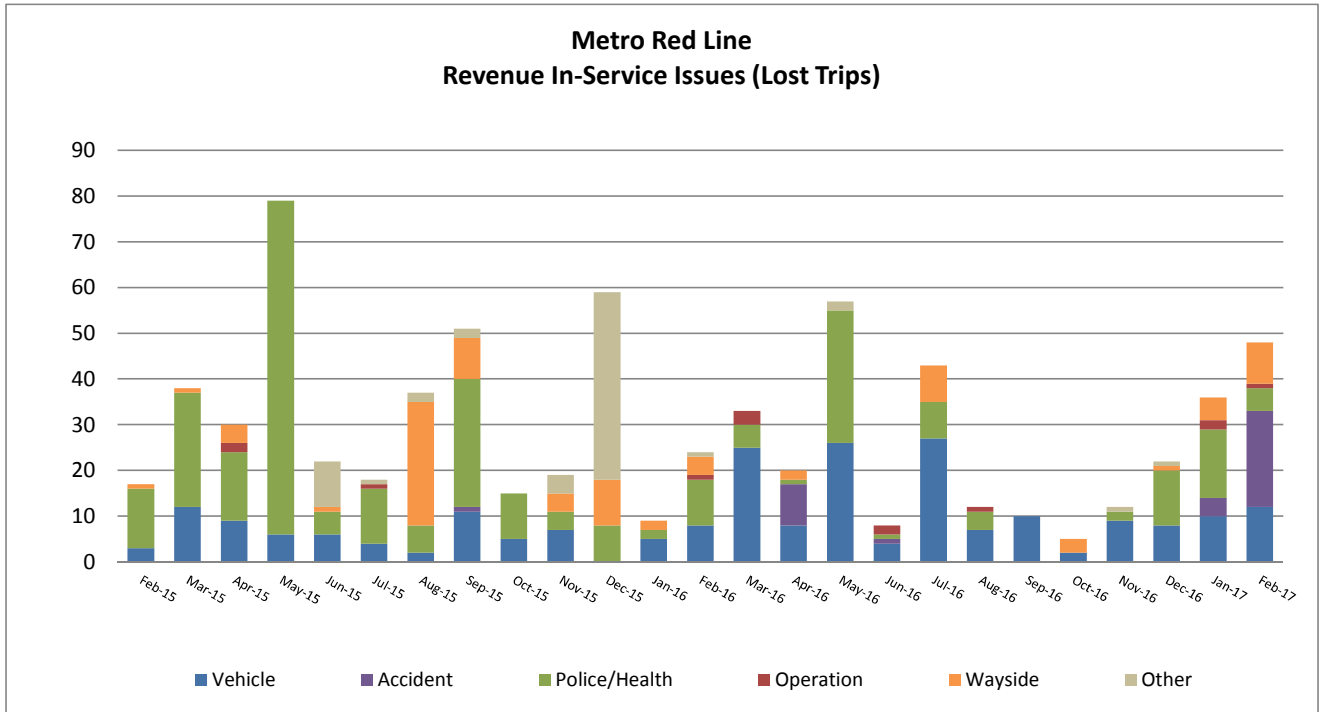
### ON-TIME PULL OUTS CHART



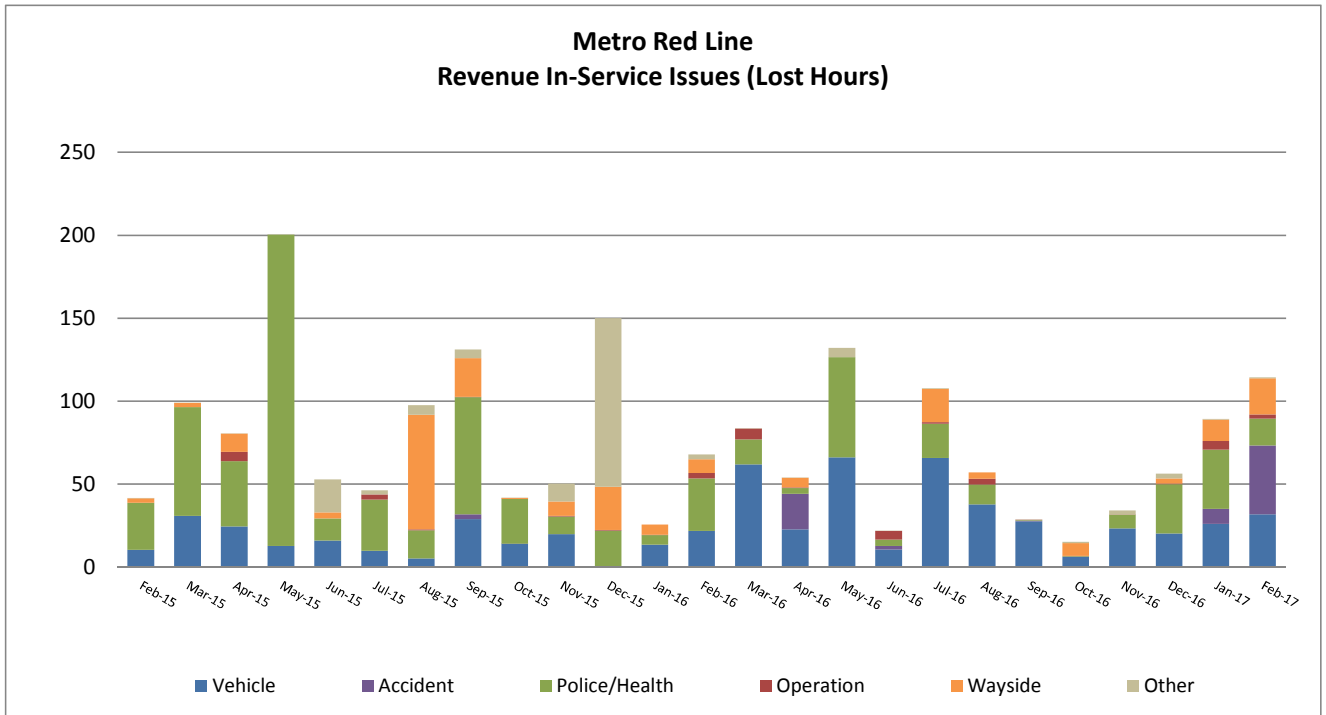
### IN-SERVICE ON-TIME PERFORMANCE CHART



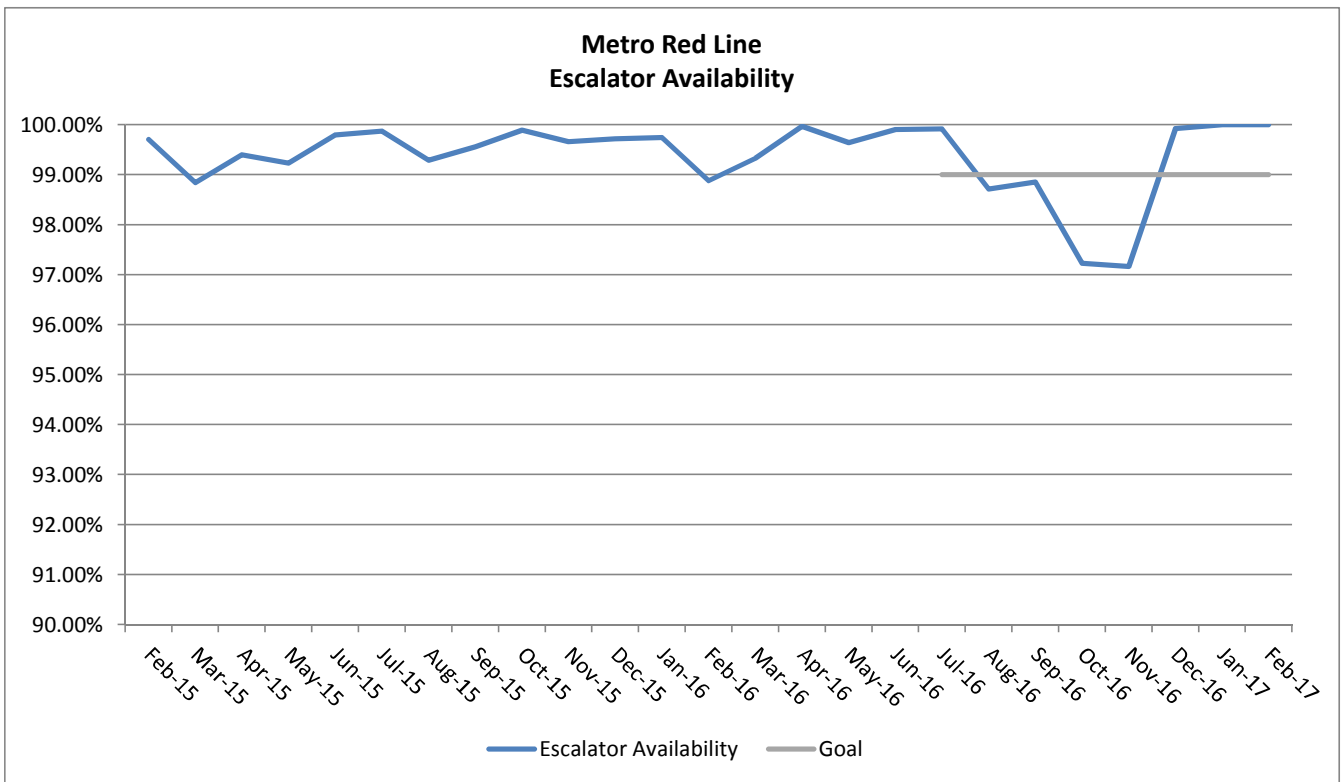
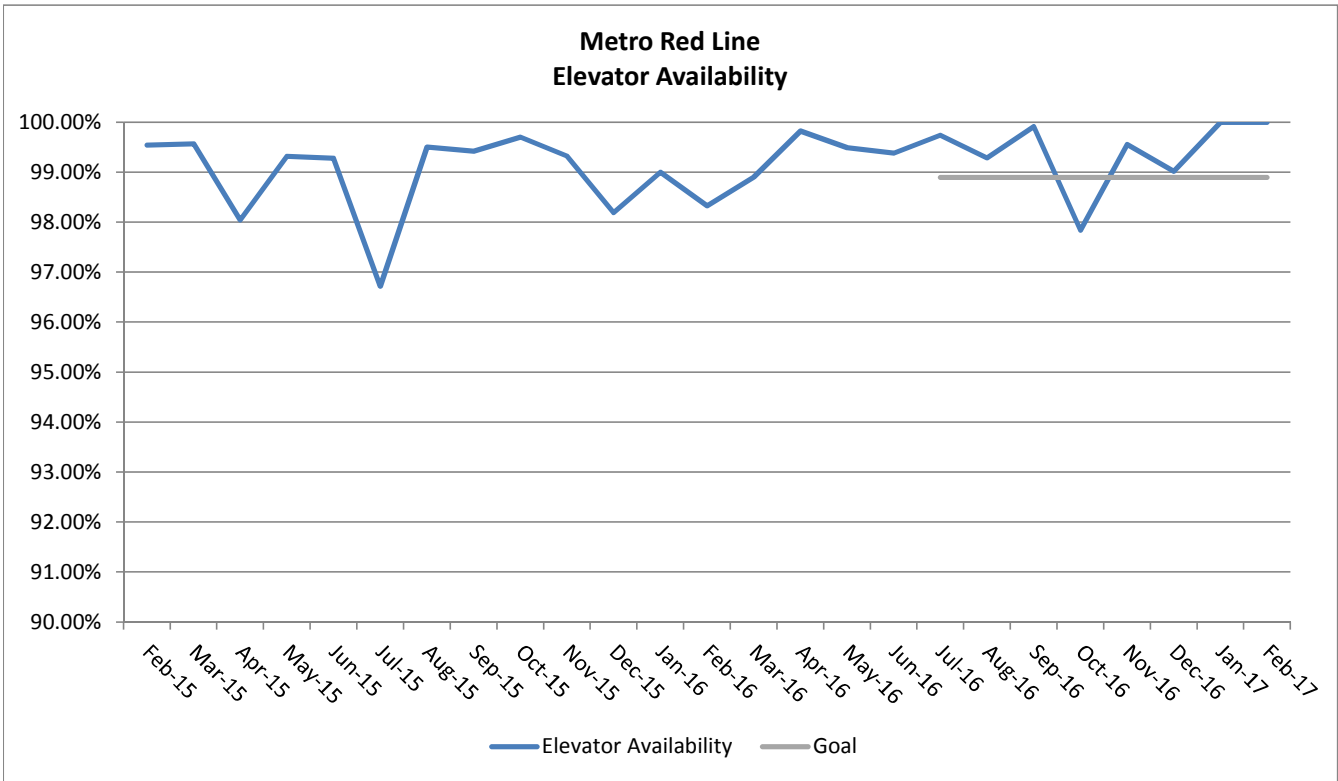
### LOST TRIPS



### LOST TRIPS



## VERTICAL TRANSPORTATION AVAILABILITY



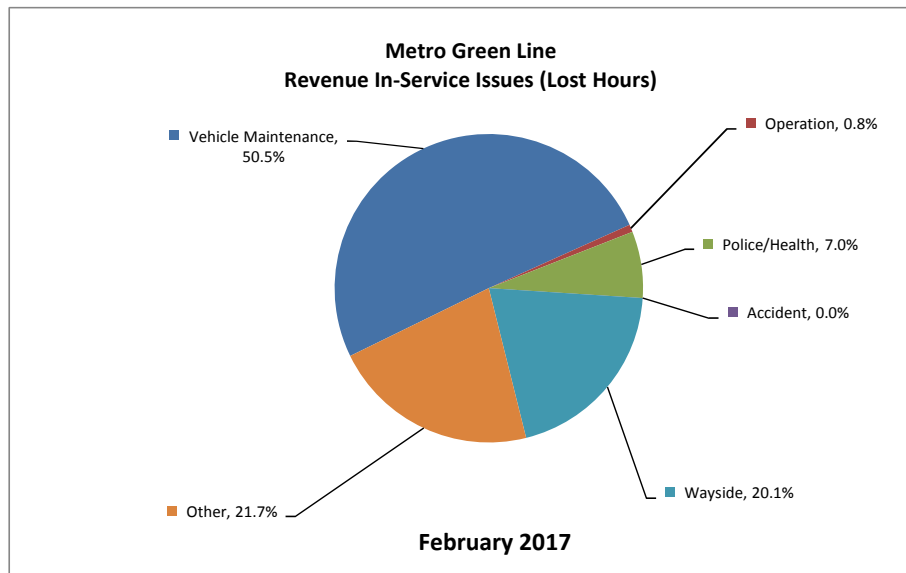
## GREEN LINE

Out of a total of 7,673 hours operated, there were approximately 23 total hours of service delays.

February 2017 Service Hours *	Revenue	
	Hours	Per Cent
Revenue Hours without Delays	7,650	99.7%
Cancelled + Delayed Hours	23	0.3%
<b>Total Revenue Hours</b>	<b>7,673</b>	<b>100.0%</b>

Summary of the major contributors:	Count	Hours	Per Cent
Operations	2	0.2	0.8%
Accidents	0	0.0	0.0%
Vehicle Maintenance	15	11.4	50.5%
Wayside	1	4.5	20.1%
Police & Health	3	1.6	7.0%
Other	4	4.9	21.7%
<b>Total</b>	<b>25</b>	<b>22.6</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy



**February 2017 Green Line major delay contributors were as follows:**

**Operations Incidents:**

**2/9/2017 3:58:00 PM - Incident# 2832960 (0 lost trips, 6 lost minutes)**

Sick Operator

**2/23/2017 12:40:00 PM - Incident# 2837996 (0 lost trips, 5 lost minutes)**

Unscheduled Single Tracking: Wilmington West - Lynwood IL

**Vehicle Maintenance Incidents:**

**2/1/2017 4:30:00 PM - Incident# 2829820 (3 lost trips, 210 lost minutes)**

Friction Brakes won't release on car 220

T-24, train 343

(220)-204

Lakewood, track 2, east

**2/2/2017 4:32:00 PM - Incident# 2830253 (0 lost trips, 10 lost minutes)**

Train 336 reports no movement at Norwalk station platform 1. Operator T-343 with cars 222 and 225.

**2/5/2017 4:46:00 AM - Incident# 2831027 (0 lost trips, 9 lost minutes)**

Train 442 reports door problems no movement

T-13, Train 442, Doors 1,2 on 219B

Track 1, Norwalk, West

(219B)-203

**2/6/2017 4:20:00 AM - Incident# 2831182 (1 lost trip, 66 lost minutes)**

Reports recurring propulsion fault.

Train 337

T-220

212-216

WB, HarborStation, Track 2

**2/8/2017 4:32:00 PM - Incident# 2832521 (0 lost trips, 5 lost minutes)**

Prop fault on car 225

T-261, train 342

(225)-215

Lakewood, track 1, west

**2/10/2017 12:23:00 PM - Incident# 2833268 (0 lost trips, 5 lost minutes)**

Prop fault on car 203B

T-257, train 336

(203)-224

Avalon, track 1, west

**2/14/2017 3:26:00 PM - Incident# 2834489 (0 lost trips, 6 lost minutes)**

Friction Brake fault

Car 223

Train 446

Yard interface Signal 12

**2/17/2017 3:30:00 PM - Incident# 2835792 (0 lost trips, 12 lost minutes)**

ATP failure on car 212B

T-255, train 343

(212)-225

Vermont, track 1, west

**2/17/2017 9:33:00 PM - Incident# 2835968 (0 lost trips, 10 lost minutes)**

Recurring propulsion failure and speed restriction.

Train # 345

T-099

Cars # (228-A)-203

W/Bound Norwalk Station Track-1.

**2/21/2017 7:08:00 AM - Incident# 2836859 (1 lost trip, 74 lost minutes)**

ATC / Flashing Cab Signal

(226)-205

Train 341

T-210

Norwalk, westbound

**2/21/2017 5:46:00 PM - Incident# 2837213 (1 lost trip, 73 lost minutes)**

Operator reports propulsion failure unable to clear.  
Cars (209B), 220  
Train 332  
T-409  
Lakewood TRK 1, westbound

**2/24/2017 5:15:00 AM - Incident# 2838234 (1 lost trip, 64 lost minutes)**

Propulsion faults. No movement.  
Train 331  
T-210  
Track 2, E/B  
Harbor station  
ATO mode  
205-(226)

**2/25/2017 5:24:00 AM - Incident# 2838614 (0 lost trips, 10 lost minutes)**

Train 332 has propulsion faults that will not clear  
T-279, Train 332  
Track 1, Hawthorne, Westbound  
(216B)-204

**2/25/2017 12:55:00 PM - Incident# 2838688 (2 lost trips, 120 lost minutes)**

No movement and no indications on the ADU.  
Train # 334  
T-112  
Cars #(226-A)-224  
W/Bound El Segundo Station Track #1.

**2/28/2017 4:50:00 AM - Incident# 2839407 (0 lost trips, 10 lost minutes)**

Door will not open / propulsion fault  
225-(221)  
Train 337  
T-210  
Aviation, westbound

**Wayside Incidents:**

**2/17/2017 4:33:00 PM - Incident# 2835851 (4 lost trips, 273 lost minutes)**

False Occupancy: Track Circuit 1010 east of Lakewood Station

**Police & Health Incidents:**

**2/17/2017 1:12:00 PM - Incident# 2835672 (1 lost trip, 64 lost minutes)**

Reports of gunfire at Lakewood Station

**2/20/2017 11:27:00 AM - Incident# 2836586 (0 lost trips, 14 lost minutes)**

Unresponsive patron; turned out to be 10\*390  
Train 334  
T-257  
204-203  
EB, Marine Station, Track 1

**2/25/2017 4:39:00 PM - Incident# 2838732 (0 lost trips, 16 lost minutes)**

Medical Emergency On Board Train #334, Aviation Station Track#1.

**Other Incidents:**

**2/3/2017 3:50:00 AM - Incident# 2830363 (0 lost trips, 23 lost minutes)**

Train 332 pulled out of yard 23 minutes late due to mechanical issues.

**2/7/2017 8:27:00 PM - Incident# 2832092 (1 lost trip, 76 lost minutes)**

Operator reports a passenger pulled the T handle and entered the ROW.

**2/16/2017 6:39:00 AM - Incident# 2835081 (1 lost trip, 66 lost minutes)**

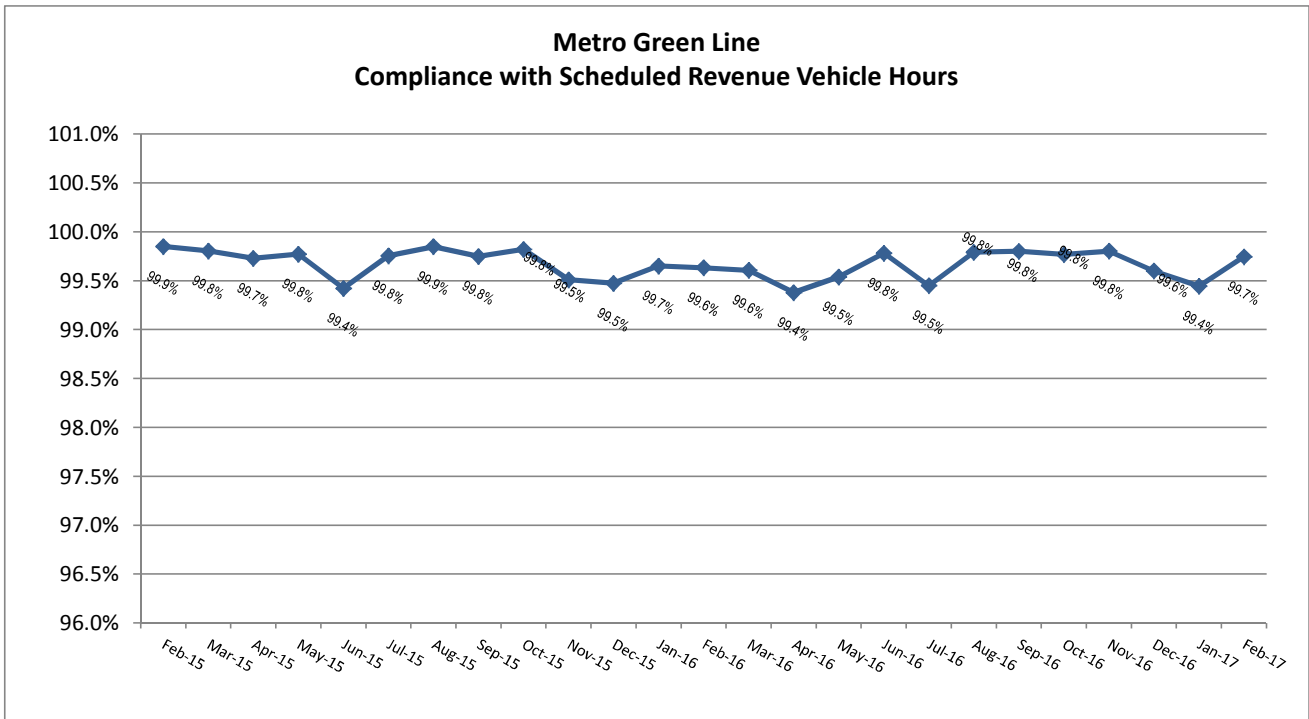
Train 341 (last pull-out) pulled out late from the yard.

**2/17/2017 5:29:00 AM - Incident# 2835458 (2 lost trips, 129 lost minutes)**

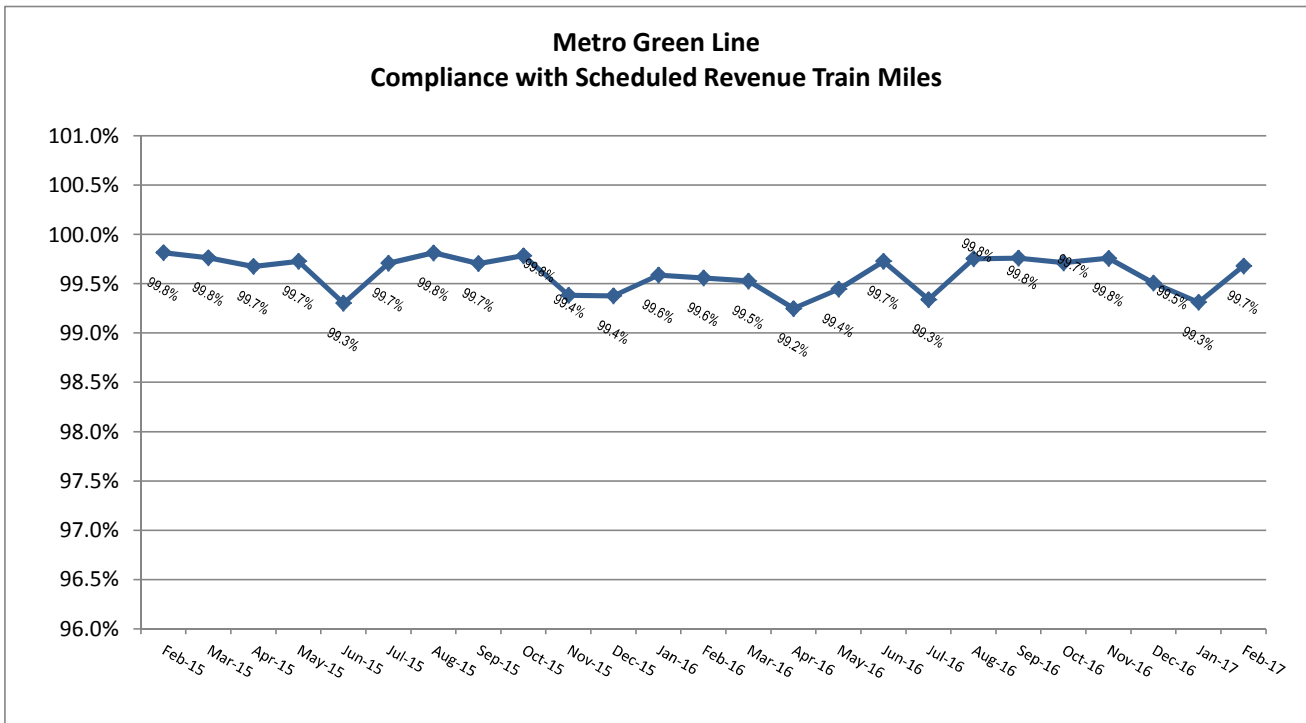
Yard controller R-158 informed control that train 341 will not be pulling out. No manpower. T-140 called out and there is no other operator in the yard to operate.

# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

## COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART

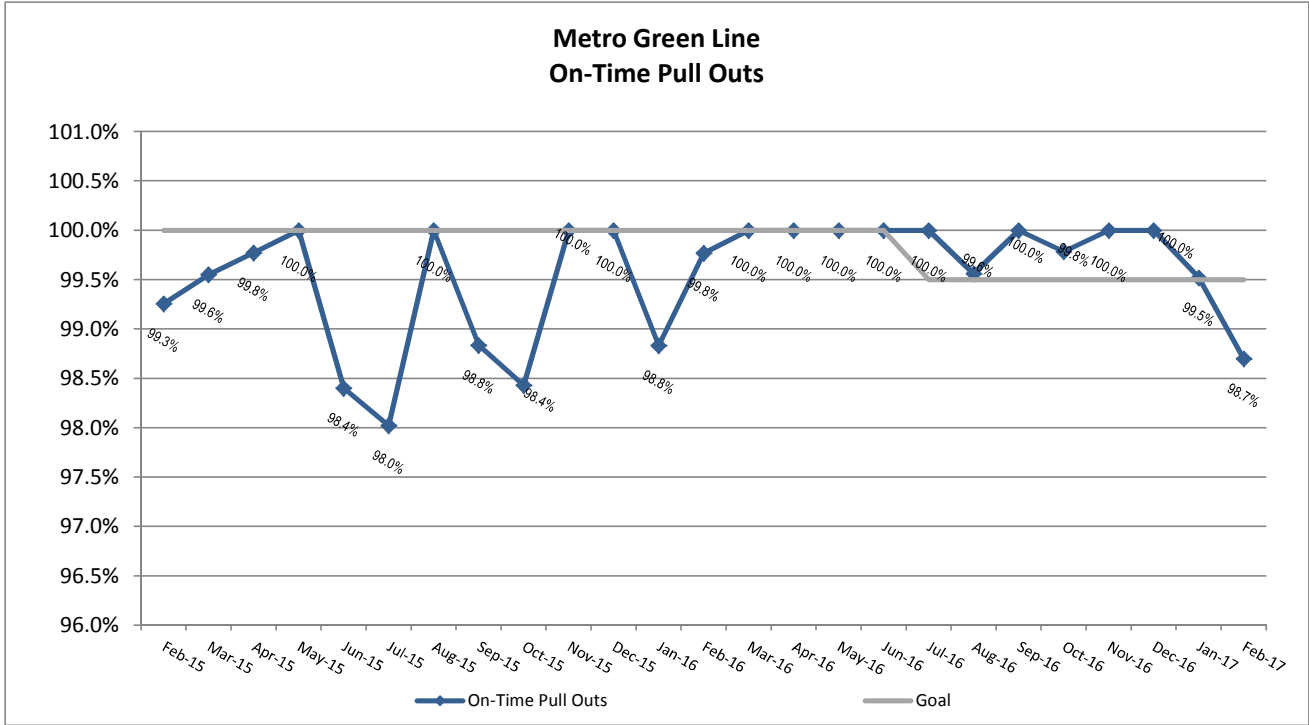


## COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

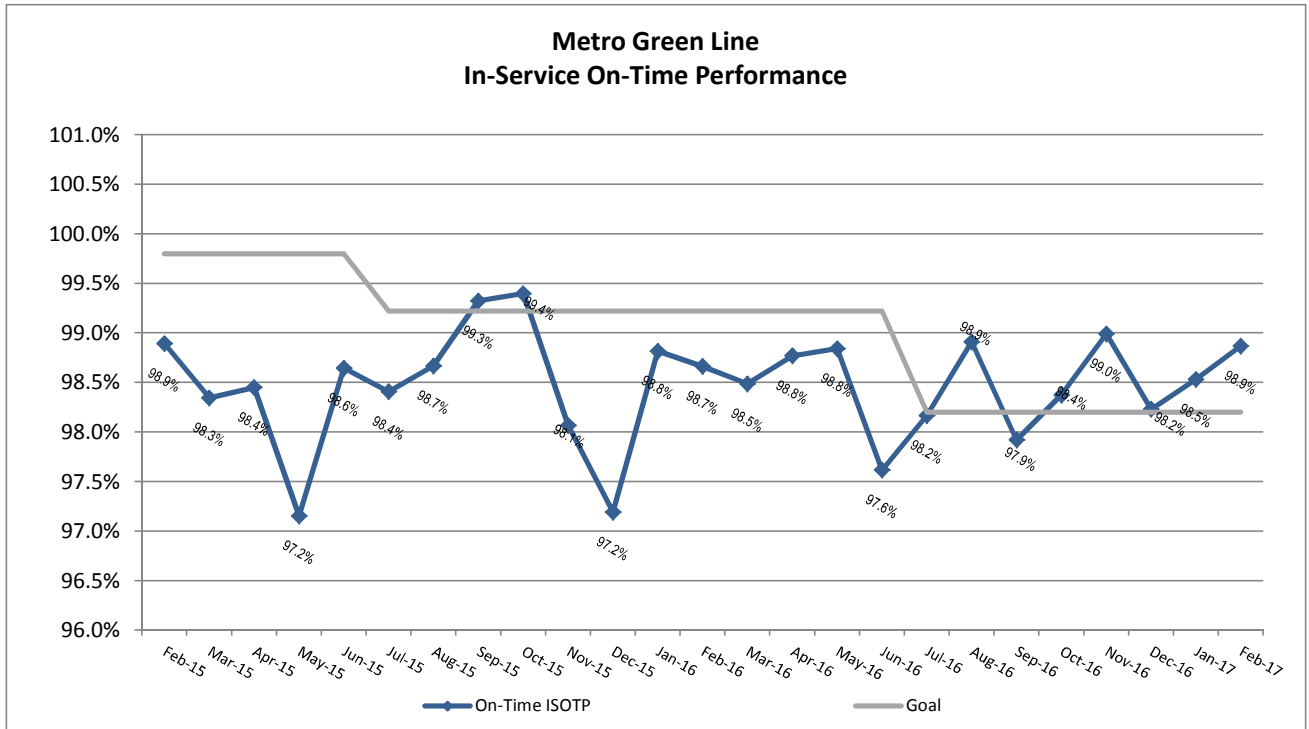




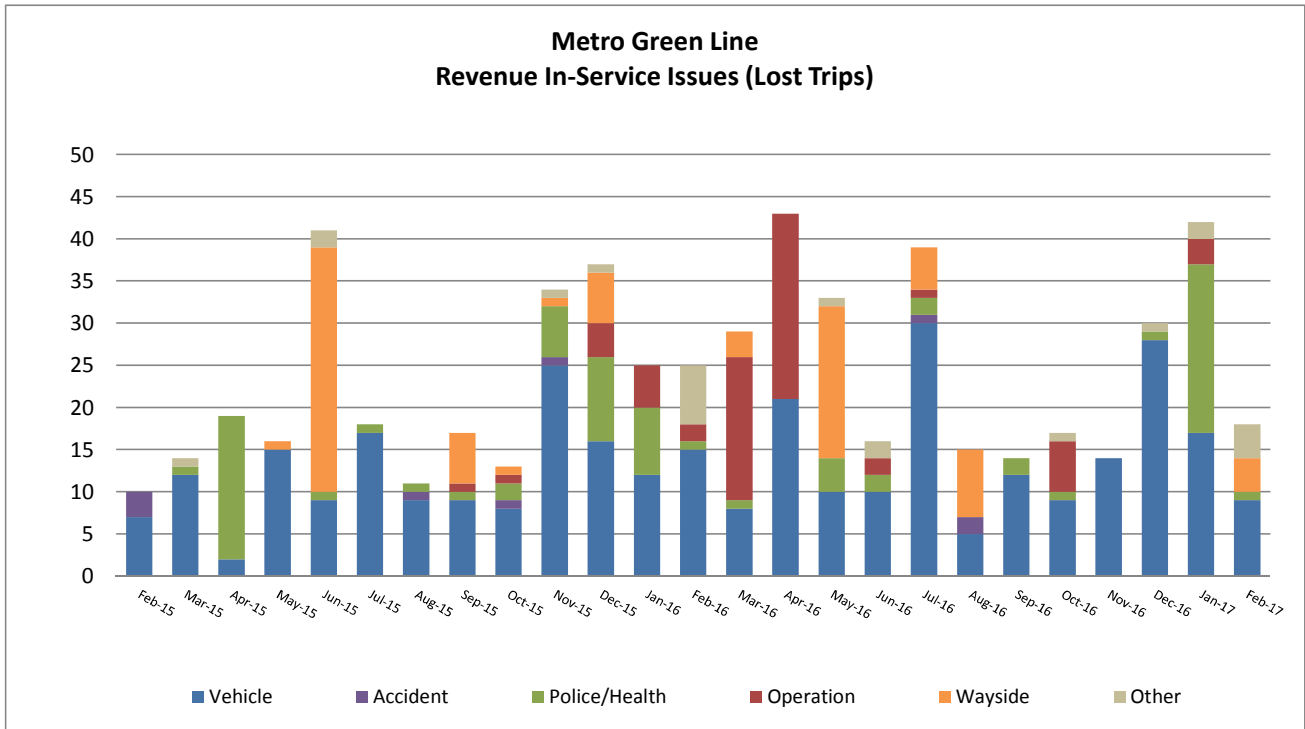
### ON-TIME PULL OUTS CHART



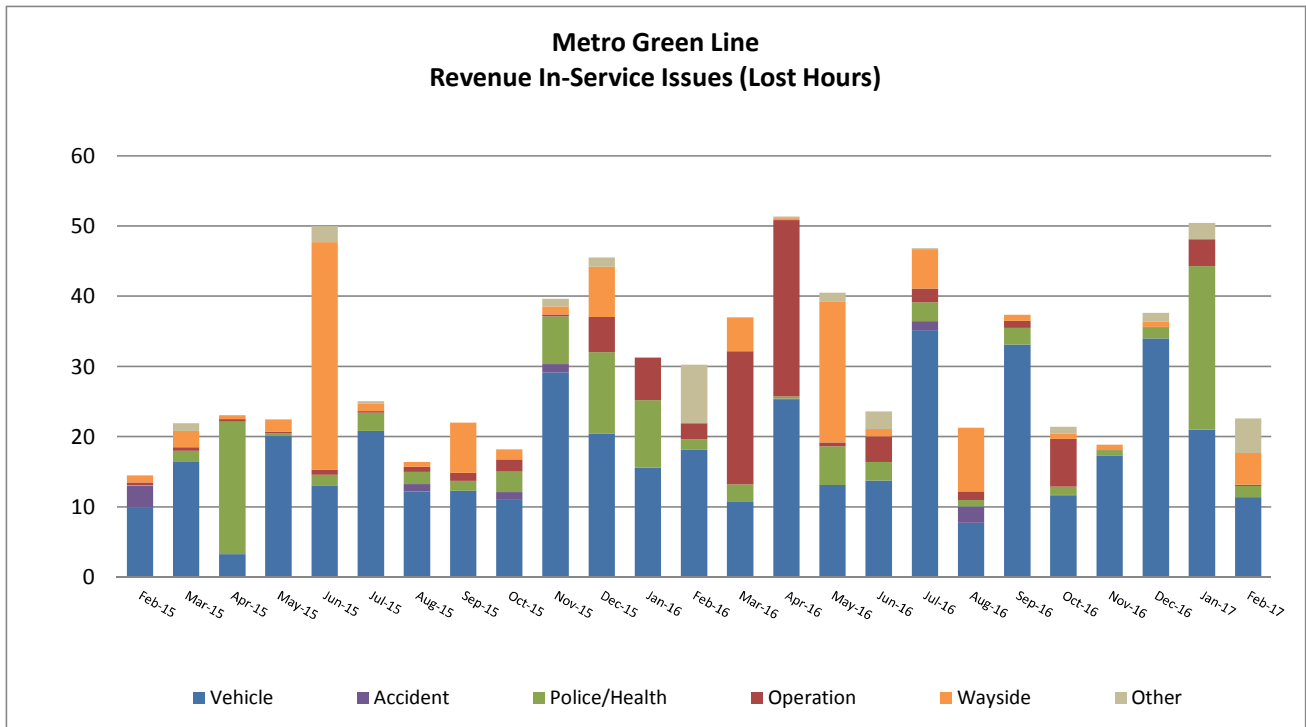
### IN-SERVICE ON-TIME PERFORMANCE CHART



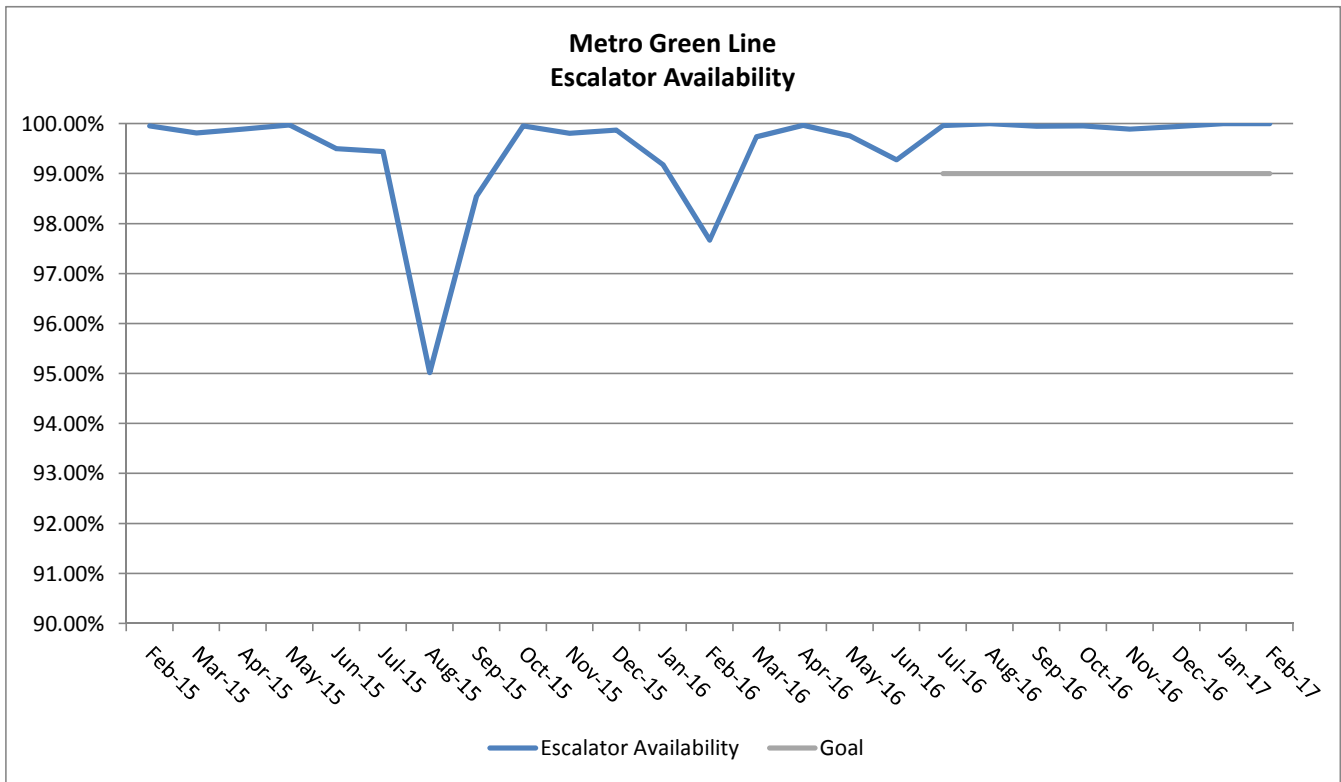
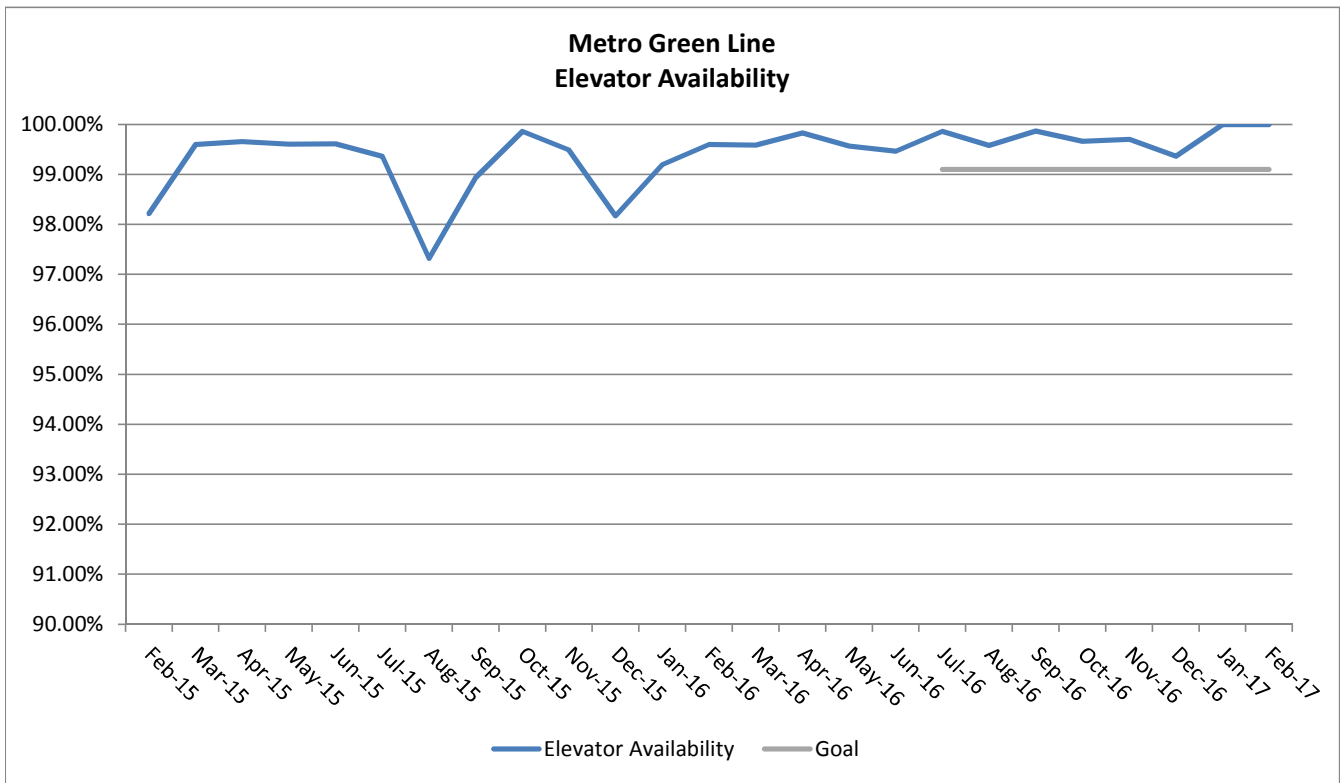
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY



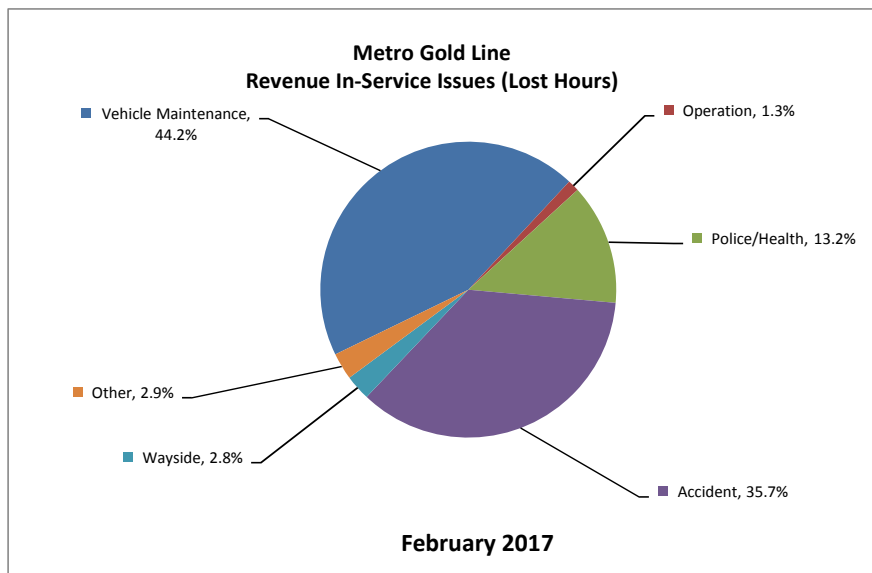
## GOLD LINE

Out of a total of 18,930 hours operated, there were approximately 315 total hours of service delays.

February 2017 Service Hours *	Revenue	
	Hours	Per Cent
Revenue Hours without Delays	18,615	98.3%
Cancelled + Delayed Hours	315	1.7%
<b>Total Revenue Hours</b>	<b>18,930</b>	<b>100.0%</b>

Summary of the major contributors:	Count	Hours	Per Cent
Operations	1	4.0	1.3%
Accidents	3	112.4	35.7%
Vehicle Maintenance	25	139.3	44.2%
Wayside	4	8.7	2.8%
Police & Health	7	41.6	13.2%
Other	4	9.2	2.9%
<b>Total</b>	<b>44</b>	<b>315.4</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy



## February 2017 Gold Line major delay contributors were as follows:

### Operations Incidents:

**2/20/2017 4:43:00 AM - Incident# 2836433 (1 lost trip, 239 lost minutes)**  
Small K-9 on the tracks SB at Mariachi Plaza station held up train 401

### Accidents:

**2/11/2017 9:35:00 AM - Incident# 2833491 (0 lost trips, 20 lost minutes)**  
DRILL  
Train #901 T-429 car#725  
reports 10-73  
at Buena vista crossing track #1 northbound.

**2/15/2017 1:02:00 PM - Incident# 2834875 (26 lost trips, 6,232 lost minutes)**  
Train 451 (702,703), track 2 at Ave 52 reports 10-73.

**2/15/2017 5:58:00 PM - Incident# 2834941 (2 lost trips, 494 lost minutes)**  
10-73 at Avenue 54.

### Vehicle Maintenance Incidents:

**2/2/2017 6:30:00 AM - Incident# 2830000 (3 lost trips, 736 lost minutes)**  
Train 417 No Movement 1005  
T-341  
SB Indiana station  
1005-1015-1008

**2/2/2017 7:45:00 AM - Incident# 2830052 (2 lost trips, 503 lost minutes)**  
T-19 reports friction brakes continuously reapply on train 416 (cars 1006-1057-1056), Highland Park Station,  
Track 2, Southbound.

**2/2/2017 11:05:00 PM - Incident# 2830319 (0 lost trips, 10 lost minutes)**  
Vomit on consist (735B)741.  
Citrus Station  
Train #426, T-228, track #2, southbound.

**2/3/2017 6:55:00 AM - Incident# 2830424 (8 lost trips, 1,931 lost minutes)**  
Train 407 reported no movement due to a door issue on car 1058 7 and 8. NB at Maravilla station.

**2/5/2017 12:50:00 PM - Incident# 2831072 (0 lost trips, 8 lost minutes)**  
Train operator reports propulsion faults on cars 1005 and 1015 with one car showing on ADU and no PA. Track  
1 Little Tokyo station.

**2/7/2017 8:22:00 AM - Incident# 2831805 (2 lost trips, 497 lost minutes)**  
Friction brakes won't release (715)-728-740  
Train 413  
T-482  
Northbound  
French

**2/9/2017 7:20:00 AM - Incident# 2832726 (0 lost trips, 5 lost minutes)**  
Operator reports of an ATP failure / no movement  
Train 455  
T-014  
1057-1009  
Atlantic Terminal , trk. 1, northbound

**2/12/2017 2:50:00 PM - Incident# 2833707 (1 lost trip, 224 lost minutes)**  
Operator reports no movement, only one car indication on ADU.  
Cars: (1011) 1015  
Little Tokyo, TK 1 N/bound.  
Train 411.  
T-35.

**2/15/2017 5:52:00 AM - Incident# 2834675 (1 lost trip, 240 lost minutes)**  
Operator reports smoking brakes on car 1006 B truck  
T-17  
Train 408  
Track 2 SB Monrovia Station  
1006-1012

**2/16/2017 4:07:00 PM - Incident# 2835327 (0 lost trips, 4 lost minutes)**

Sluggish Propulsion / Dynamic Brakes, Cars #(728)-742-734

Train #428

T-146

Allen Station, Track #002, Southbound.

**2/16/2017 8:04:00 PM - Incident# 2835403 (1 lost trip, 240 lost minutes)**

(722)-737

Propulsion Fault/Speed Restriction

SB Arcadia

Train 403

T-387

**2/17/2017 4:43:00 AM - Incident# 2835448 (1 lost trip, 244 lost minutes)**

Operator reports of no movement

Train 414

T-066

1007-1056-10055

Irwindale station, trk. 1, northbound

**2/17/2017 3:21:00 PM - Incident# 2835855 (0 lost trips, 10 lost minutes)**

Car 731B wiper blade is BO.

T-340

Train 422

Cars (731B)-720

Maravilla Station, Track 1,northbound.

**2/17/2017 5:12:00 PM - Incident# 2835872 (1 lost trip, 238 lost minutes)**

Car 1013 all doors opened at the same time.

T-154

Train 402

Cars (1013)-1015

Monrovia Station, Track 2, southbound.

**2/17/2017 5:43:00 PM - Incident# 2835887 (2 lost trips, 475 lost minutes)**

Car 1005 wiper is broken off.

T-290

Train 455

Cars (1005)-1057-1009

Citrus Station, Track 2, southbound.

**2/18/2017 10:00:00 AM - Incident# 2836078 (1 lost trip, 329 lost minutes)**

Propulsion fault no movement

Train #408 T-429 car#745-736-709

northbound at Civic center.

**2/19/2017 7:00:00 AM - Incident# 2836259 (0 lost trips, 5 lost minutes)**

Propulsion / Dynamic Brakes, cars #(1012-1057)

Train #407

T-248

Highland Park Station, Track #001, Northbound.

**2/20/2017 6:07:00 AM - Incident# 2836460 (3 lost trips, 723 lost minutes)**

Prop fault with a speed restriction 711

T-440

Train 455

NB Tk 2 Atlantic Station

711-717

**2/21/2017 11:30:00 AM - Incident# 2836966 (1 lost trip, 239 lost minutes)**

Train 405 cars 1055-1012-1057 reported no movement between Pico/Aliso and Little Tokyo, Track 1,

Northbound.

**2/22/2017 4:25:00 PM - Incident# 2837654 (4 lost trips, 957 lost minutes)**

Train 454 (711,705) T-304 Monrovia North Interlocking, track 1 reports emergency brake application, no movement.

**2/23/2017 3:03:00 PM - Incident# 2838048 (0 lost trips, 4 lost minutes)**

Lose skirt, cars #(726A)-722

Train #407

T-011

Soto Station, Track #002, Southbound.

**2/23/2017 11:44:00 PM - Incident# 2838201 (2 lost trips, 493 lost minutes)**  
(1006)-1010  
SB No Movement - No Faults  
Train 428  
T-406  
N of Lake Station

**2/25/2017 4:46:00 AM - Incident# 2838607 (0 lost trips, 12 lost minutes)**  
5 mph Speed Code  
725-(734)  
Train 403  
T-143  
Atlantic Station, northbound

**2/25/2017 10:00:00 AM - Incident# 2838659 (1 lost trip, 224 lost minutes)**  
Train 446, LRV 1001.  
Irwindale interlocking

**2/28/2017 4:17:00 PM - Incident# 2839707 (0 lost trips, 7 lost minutes)**  
Train 451 no movement, Propulsion / Brake Fault.  
Cars:(707) (705)  
Atlantic Station Tk 2, Northbound.  
T-2

#### **Wayside Incidents:**

**2/3/2017 8:42:00 PM - Incident# 2830771 (0 lost trips, 20 lost minutes)**  
Advisory #13 in effect. At 2040 hours, Craig TPSS B-12 remotely opened per TP-138.

**2/17/2017 1:30:00 PM - Incident# 2835924 (0 lost trips, 5 lost minutes)**  
Little Tokyo C&S flooded. Causing some damage to equipment.

**2/17/2017 5:00:00 PM - Incident# 2835873 (2 lost trips, 480 lost minutes)**  
Debris (Palm leaves) on the OCS, Track 1 at Ave 55.  
T-134  
Train 451

**2/18/2017 5:18:00 AM - Incident# 2836020 (0 lost trips, 20 lost minutes)**  
ARINC SUMMARY ALARM SYSTEM indicates B15 Sunol is open and will not close remotely.

#### **Police & Health Incidents:**

**2/2/2017 4:58:00 PM - Incident# 2830273 (4 lost trips, 980 lost minutes)**  
Traffic accident (MTA not involved) blocking track #2.  
1st and Lorena street  
Train #431, T-466, track #2, southbound.

**2/3/2017 10:14:00 AM - Incident# 2830544 (0 lost trips, 12 lost minutes)**  
Operator reports of a male black having, 26 years of age, possibly having a seizure.  
Train 452  
T-452  
(734A)724  
Pico Aliso, Trk. 1, northbound

**2/4/2017 7:09:00 PM - Incident# 2830975 (2 lost trips, 676 lost minutes)**  
Altercation Reported on Train 402

**2/4/2017 9:58:00 PM - Incident# 2830981 (1 lost trip, 335 lost minutes)**  
Patron Laying on Floor of Car 1015

**2/9/2017 6:13:00 AM - Incident# 2832657 (1 lost trip, 238 lost minutes)**  
Operator reports of urine on trailing rail car (703)  
Train 455  
T-092  
(703)710  
Atlantic Terminal, Trk. 1, nouthbound

**2/20/2017 12:45:00 AM - Incident# 2836413 (1 lost trip, 252 lost minutes)**  
Passenger reports a man on board brandishing a Knife

**2/26/2017 12:01:00 AM - Incident# 2838780 (0 lost trips, 5 lost minutes)**  
Train 403 LRV 728-715 at Lincoln/Cypress Station, sick individual onboard train.

**Other Incidents:**

**2/7/2017 12:04:00 PM - Incident# 2831920 (0 lost trips, 64 lost minutes)**

Fire Alarm activated @ the Colorado Box.

**2/7/2017 4:53:00 PM - Incident# 2832049 (1 lost trip, 244 lost minutes)**

Memorial Park Fire Alarm activated.

**2/9/2017 6:00:00 AM - Incident# 2832643 (0 lost trips, 7 lost minutes)**

Train 420 scheduled to depart Division 24 at 0454 Hrs., northbound pulled out late from Division 24.

Train 420

1009-1006

T0

Div. 24, Trk. 1, northbound,

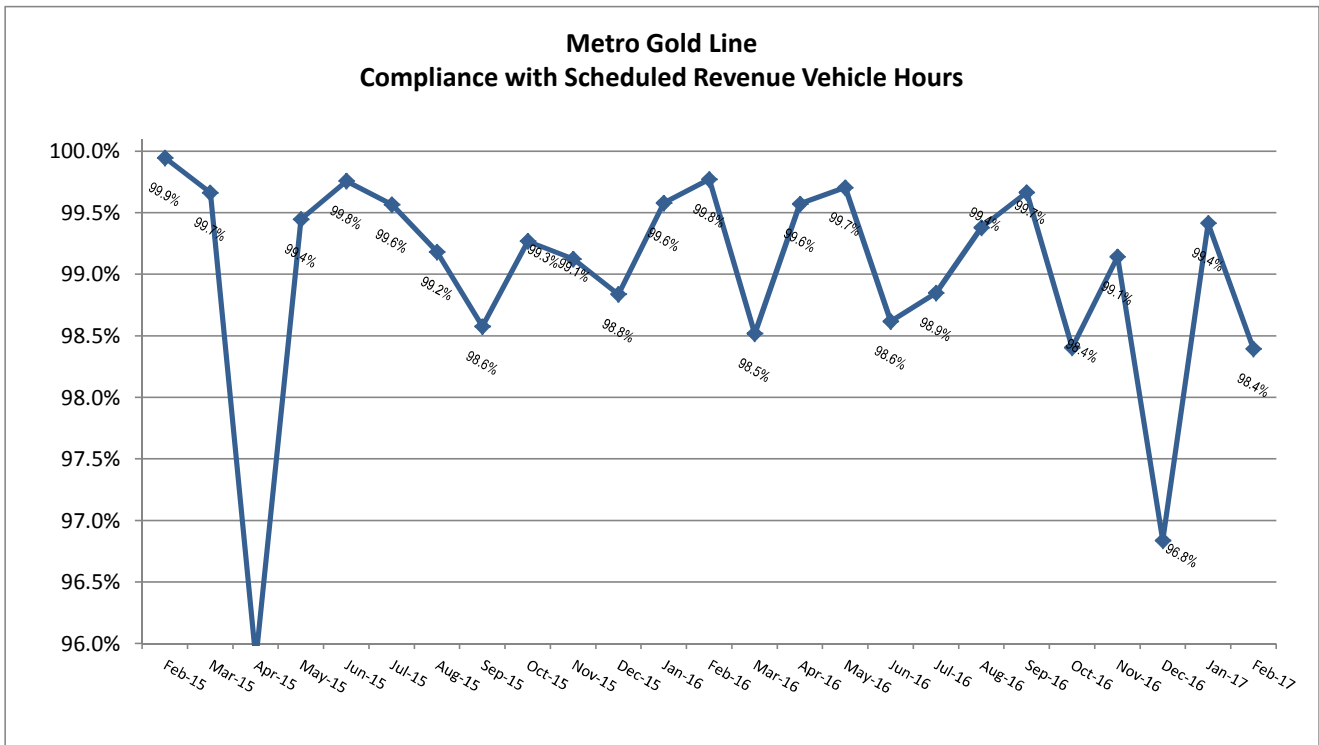
**2/23/2017 5:58:00 AM - Incident# 2837758 (1 lost trip, 239 lost minutes)**

Train 419 never pulled out of Div 24 due to uncoupling issues.

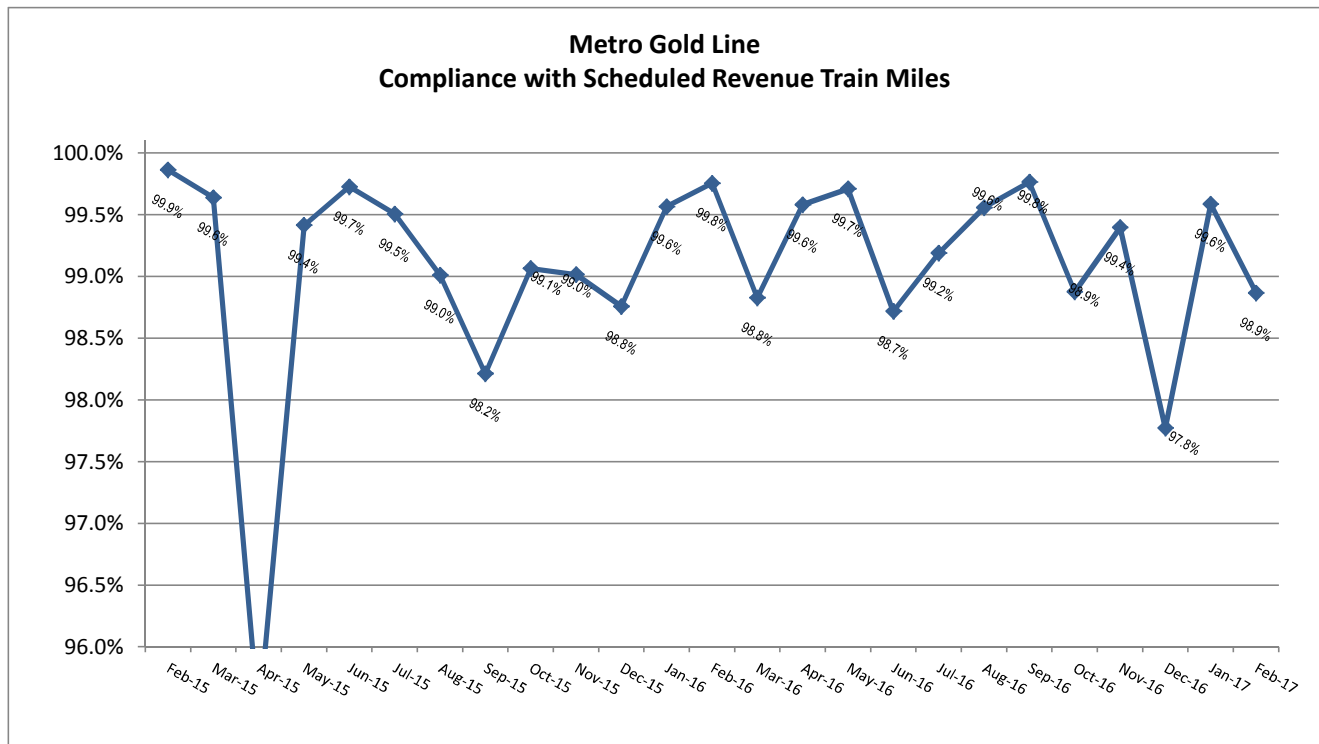


# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

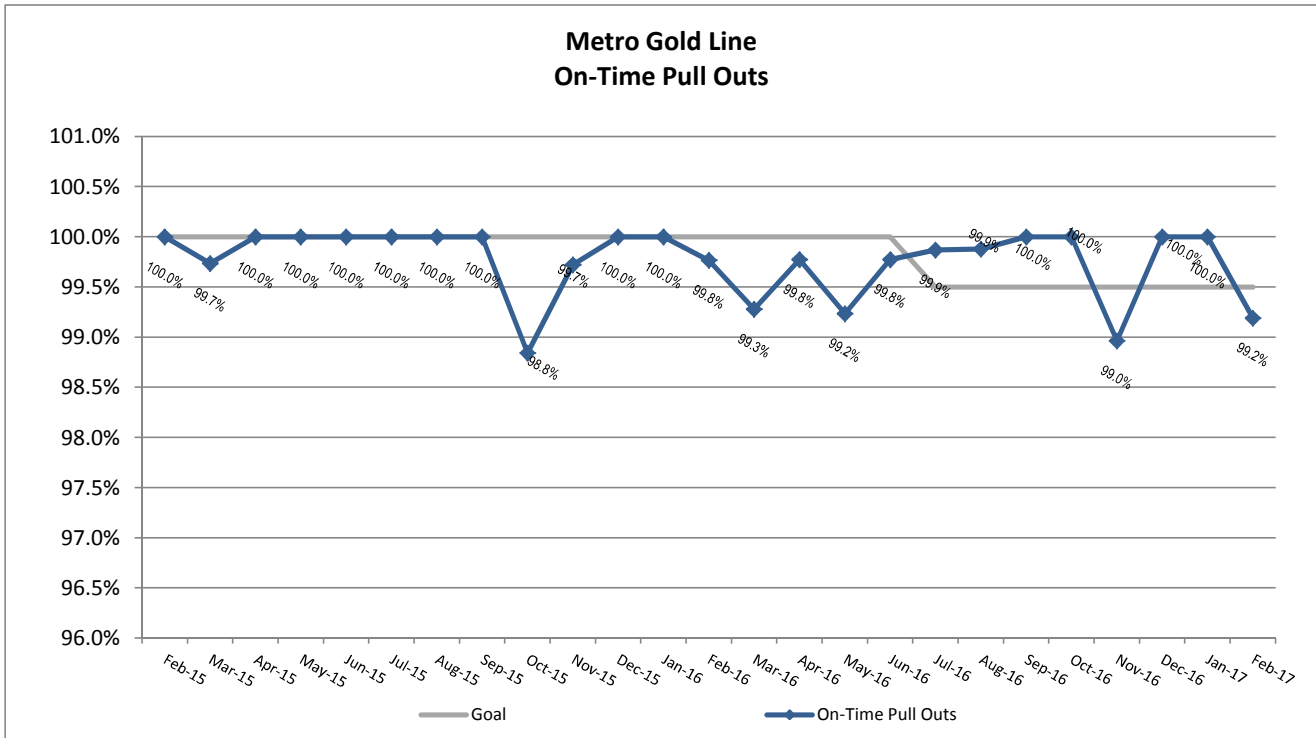
## COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



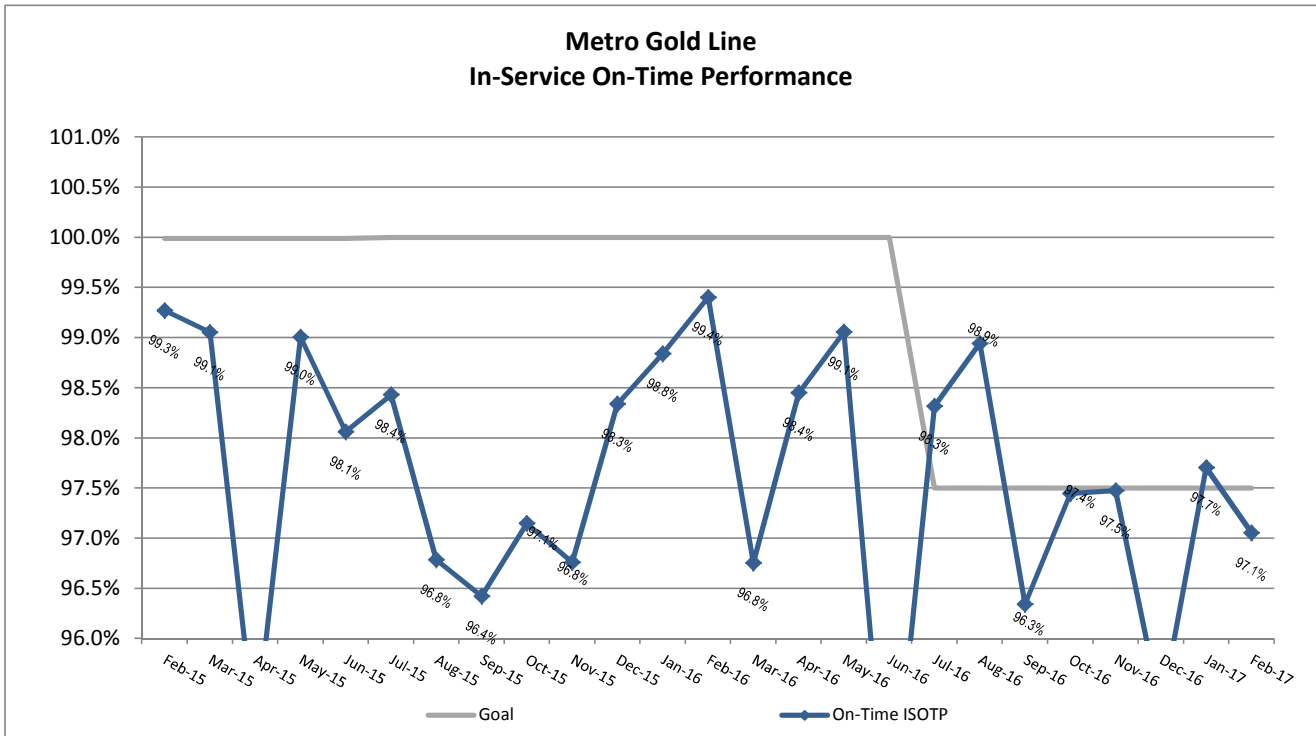
## COMPLIANCE WITH SCHEDULED TRAIN MILES CHART



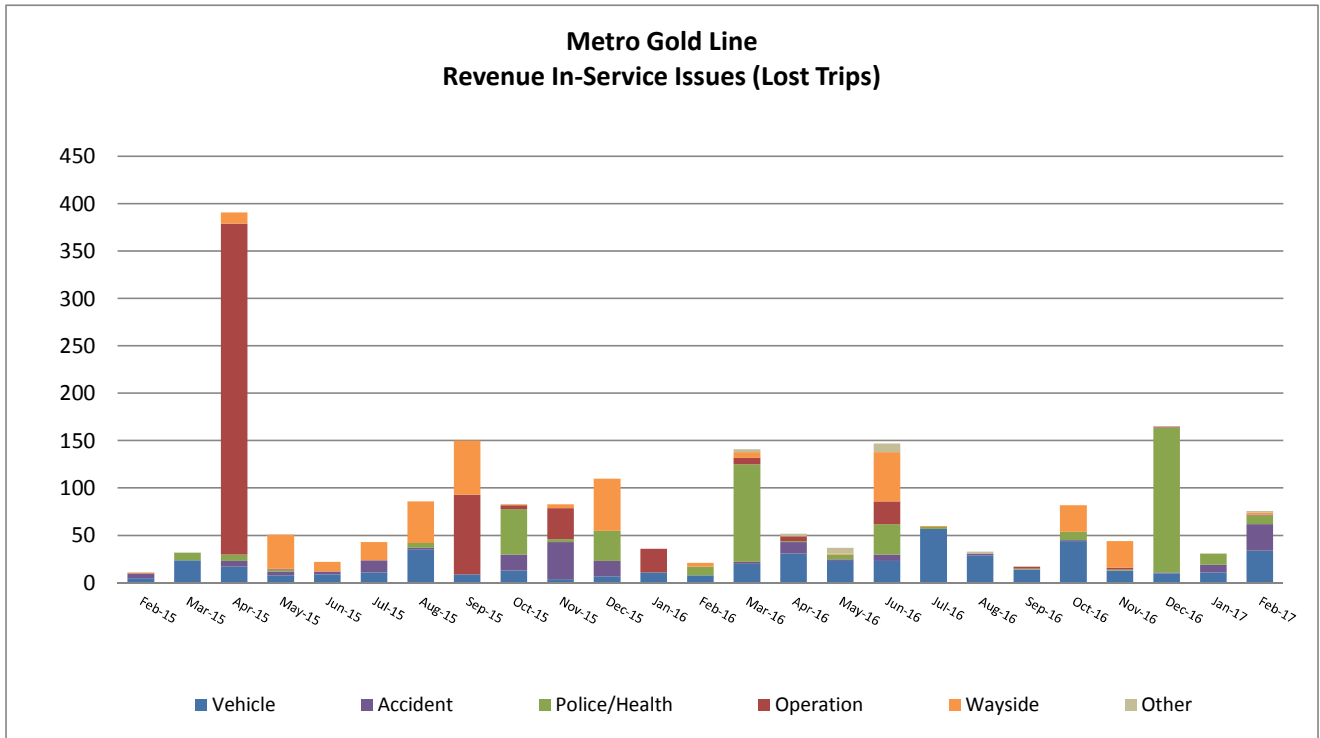
### ON-TIME PULL OUTS CHART



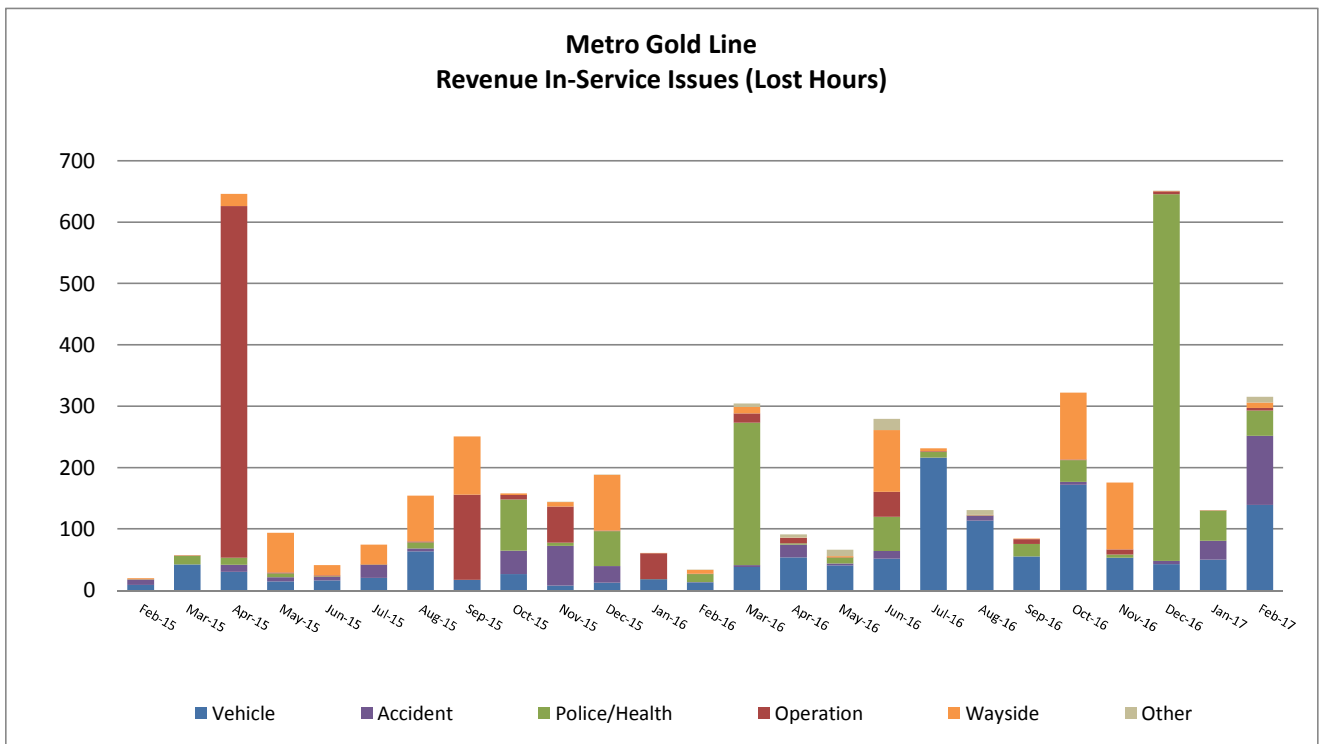
### IN-SERVICE ON-TIME PERFORMANCE CHART



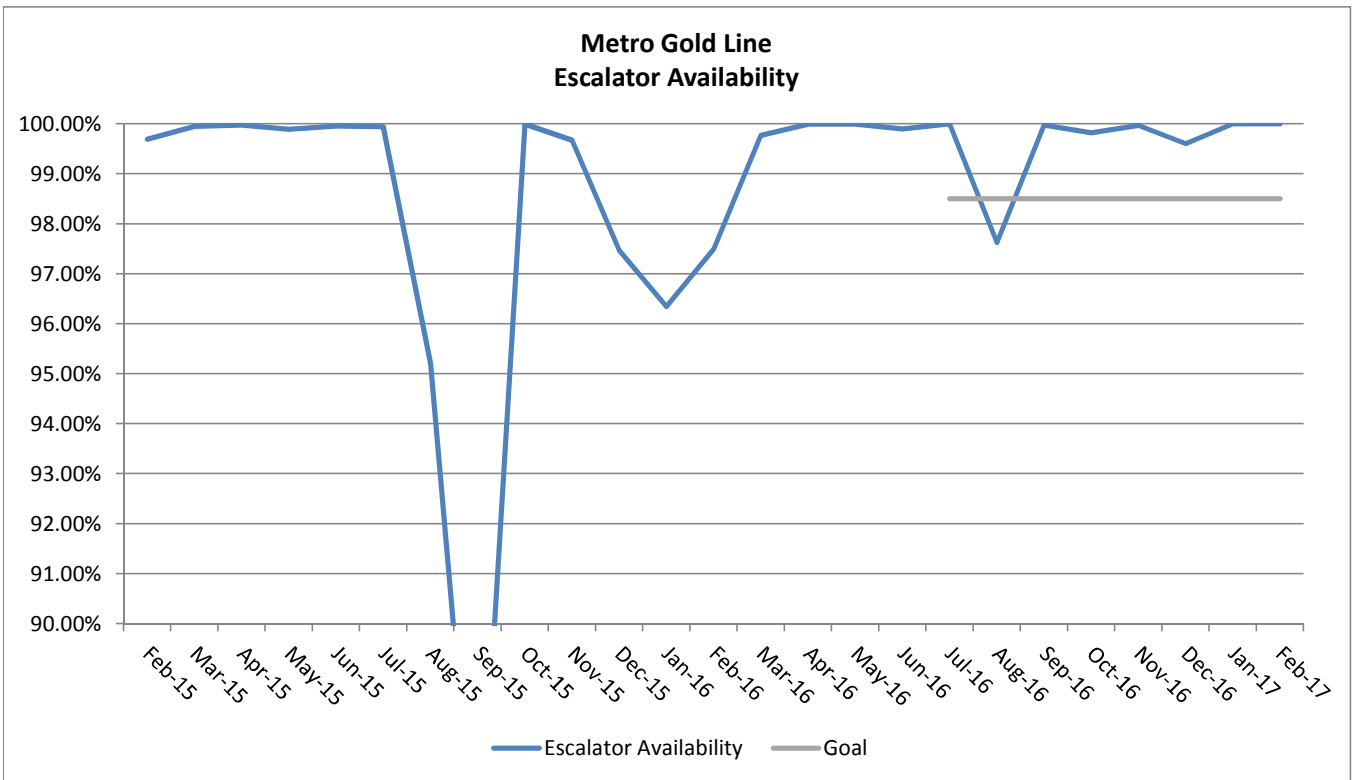
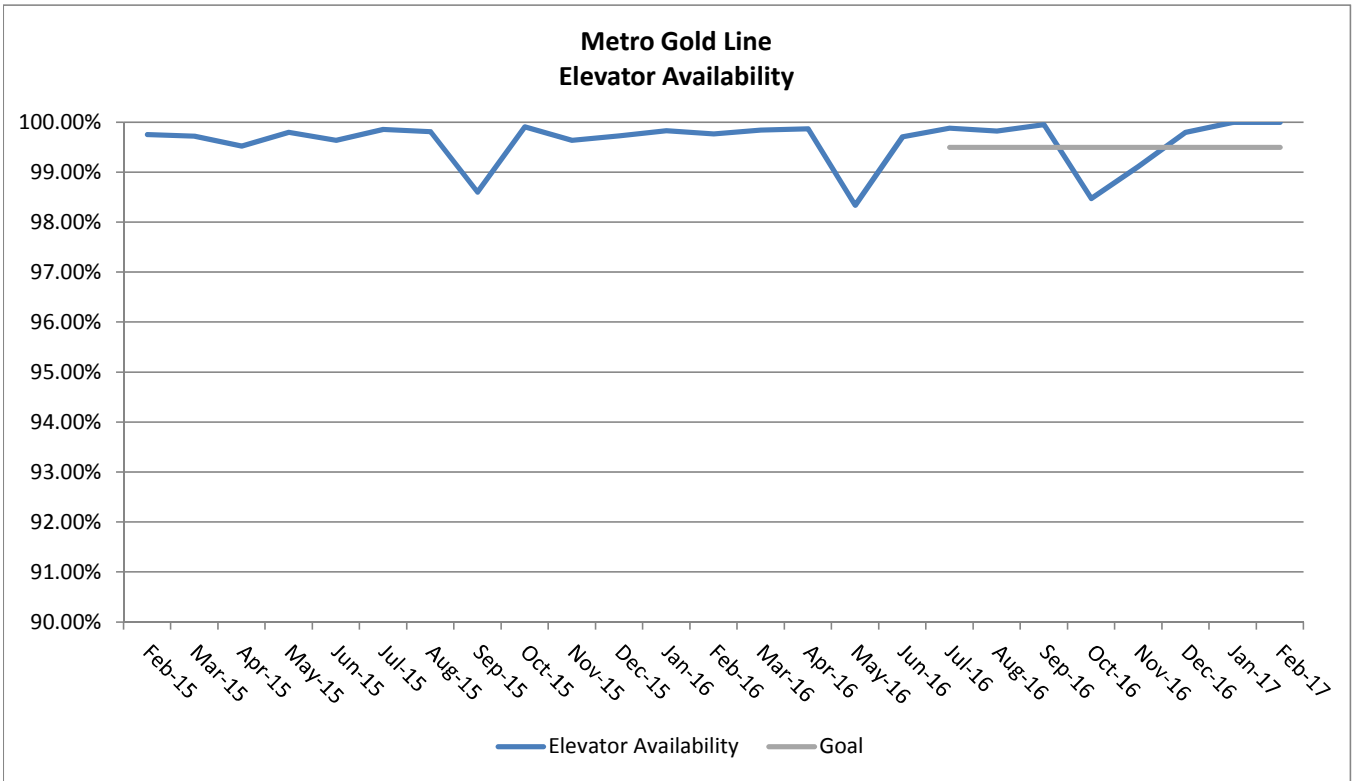
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY



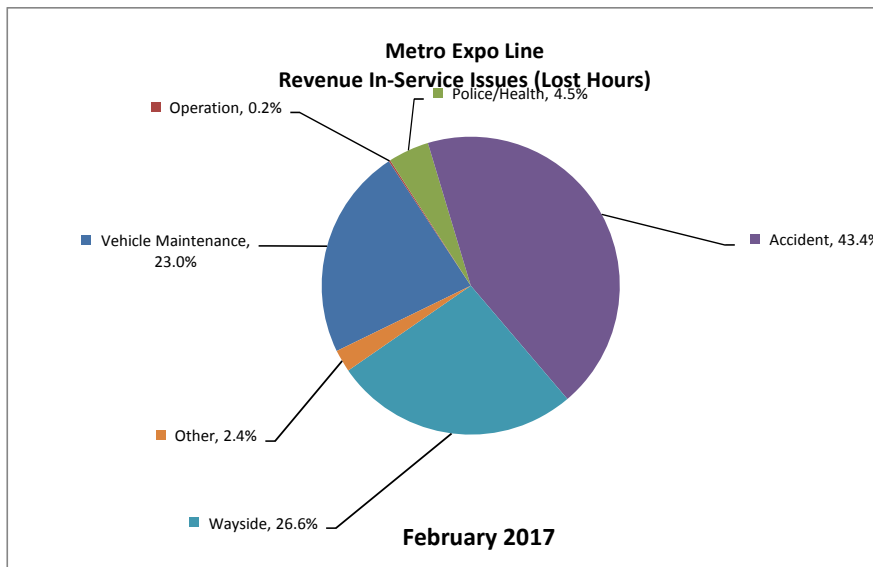
## EXPO LINE

Out of a total of 17,837 hours operated, there were approximately 90 total hours of service delays.

February 2017 Service Hours *	Revenue	
	Hours	Per Cent
Revenue Hours without Delays	17,747	99.5%
Cancelled + Delayed Hours	90	0.5%
<b>Total Revenue Hours</b>	<b>17,837</b>	<b>100.0%</b>

Summary of the major contributors:	Count	Hours	Per Cent
Operations	1	0.2	0.2%
Accidents	3	39.0	43.4%
Vehicle Maintenance	9	20.7	23.0%
Wayside	2	24.0	26.6%
Police & Health	2	4.0	4.5%
Other	3	2.2	2.4%
<b>Total</b>	<b>20</b>	<b>90.1</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy



## February 2017 Expo Line major delay contributors were as follows:

### Operations Incidents:

**2/19/2017 3:40:00 PM - Incident# 2836337 (0 lost trips, 9 lost minutes)**

Doors opened on the wrong side.

Train 608  
T-530  
1020A-1038-1051  
Track 2  
Metro Center  
Southbound

### Accidents:

**2/11/2017 9:55:00 PM - Incident# 2833597 (8 lost trips, 1,128 lost minutes)**

Train 601  
T-521 & T-519  
Cars (1020)A- 1039  
30th Interlocking southbound  
Track 4

**2/15/2017 10:39:00 PM - Incident# 2834989 (1 lost trip, 129 lost minutes)**

Operator T-306 reports of a hit and run.

Train 628  
T-306  
Cars(1043A), 1026  
12th/Flower, Track 2, Southbound

**2/16/2017 7:24:00 PM - Incident# 2835386 (9 lost trips, 1,086 lost minutes)**

10-73 at 6th and Colorado. (hit and run)

Train 626  
Track 3  
T-533  
(114)-136  
SMFD - Engine 6 and Battalion 1  
Captain Bailey Rey  
SMPD - Off. Burns with Sergeant Cortez conducting the investigation.  
No injuries or patrons transported.

### Vehicle Maintenance Incidents:

**2/8/2017 8:47:00 AM - Incident# 2832303 (0 lost trips, 7 lost minutes)**

Train 601 reporting not clearable propulsion faults on LRV 249B

Train 601  
T-306  
LRV'S ( 249B ) 246  
Vermont Station, track 4, southbound.

**2/8/2017 5:11:00 PM - Incident# 2832533 (5 lost trips, 606 lost minutes)**

Train 606 reports as door problem, after troubleshooting he reported no movement with no indications.

Train 606  
T-150  
LRV'S ( 1014 ) 1042  
Palms Station, Track 4, Southbound.

**2/10/2017 6:18:00 PM - Incident# 2833382 (2 lost trips, 240 lost minutes)**

Train operator reports B/O wipers.

Train 622, T-521  
(1052B)-1048  
Track 4, Farmdale, South

**2/14/2017 5:00:00 PM - Incident# 2834538 (0 lost trips, 10 lost minutes)**

Doors not closing.

Train #621.  
T-135.  
LRV-(1037A), 1040.  
Culver City Station, track #3. Northbound.

**2/17/2017 8:33:00 PM - Incident# 2835952 (1 lost trip, 119 lost minutes)**

Train-604  
T-133  
Cars (1039A)-1041  
Southbound Track #4  
USC/EXPO Station  
Friction Brakes Fault unable to clear.

**2/19/2017 7:55:00 PM - Incident# 2836379 (0 lost trips, 10 lost minutes)**

Train operator reports a propulsion fault with a speed restriction.  
Train 601, T-532  
(249A)-246  
Track 3, Crenshaw, North

**2/22/2017 9:32:00 AM - Incident# 2837548 (2 lost trips, 238 lost minutes)**

Propulsion / Dynamic Brakes, no movement, cars #(129-101)  
Train #613  
T-241  
Sepulveda Station, Track #003, Northbound

**2/23/2017 7:14:00 AM - Incident# 2837818 (0 lost trips, 5 lost minutes)**

Reports of propulsion fault with a speed restriction of 35mph  
Train # 615  
T-243  
(1046A)-1048  
Western Station, Track 4, Southbound

**2/28/2017 6:20:00 PM - Incident# 2839795 (0 lost trips, 6 lost minutes)**

Broken Emergency Panel  
Train #623, T-150  
(154A)-133  
SB, Culver City Station, Track #4

**Wayside Incidents:**

**2/2/2017 1:25:00 PM - Incident# 2830188 (2 lost trips, 244 lost minutes)**

Signal 4S LaCienega Interlocking (10-71).

**2/13/2017 5:19:00 AM - Incident# 2833804 (10 lost trips, 1,194 lost minutes)**

Arcnc Alarm System notified of open breaker B05 at Expo yard TPSS

**Police & Health Incidents:**

**2/2/2017 9:53:00 AM - Incident# 2830145 (1 lost trip, 119 lost minutes)**

Patron has trouble breathing.  
Train#617  
T#306  
(114B),152  
Track 4,Westwood Station,Southbound

**2/8/2017 11:55:00 AM - Incident# 2832400 (1 lost trip, 123 lost minutes)**

Train 605 reports a sick female on aboard her train.

**Other Incidents:**

**2/9/2017 5:18:00 AM - Incident# 2832646 (0 lost trips, 7 lost minutes)**

Out Late due to mechanical issues.

**2/20/2017 4:32:00 PM - Incident# 2836714 (1 lost trip, 119 lost minutes)**

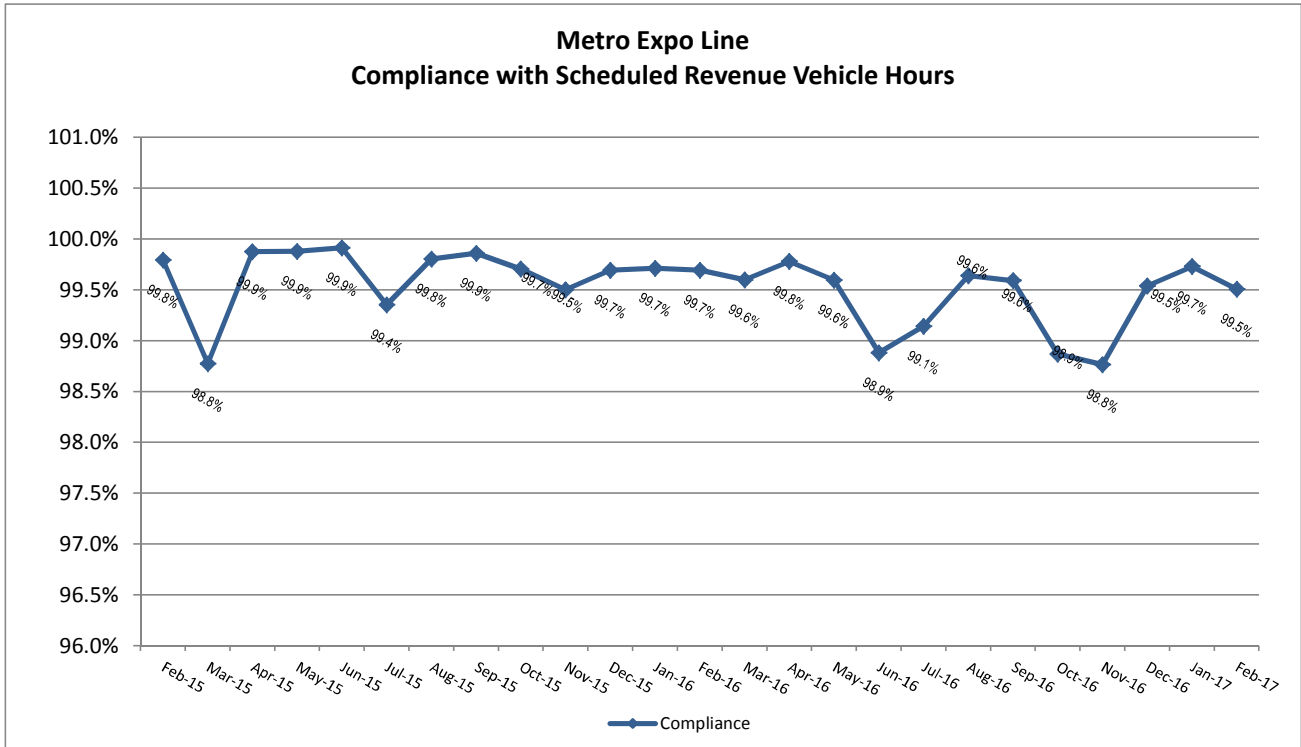
Patron refusing to release the doors.  
23rd Street Station, Track #4, Southbound.  
Train #602.  
T-354.  
LRV- (1028B), 1022.

**2/22/2017 2:29:00 PM - Incident# 2837542 (0 lost trips, 5 lost minutes)**

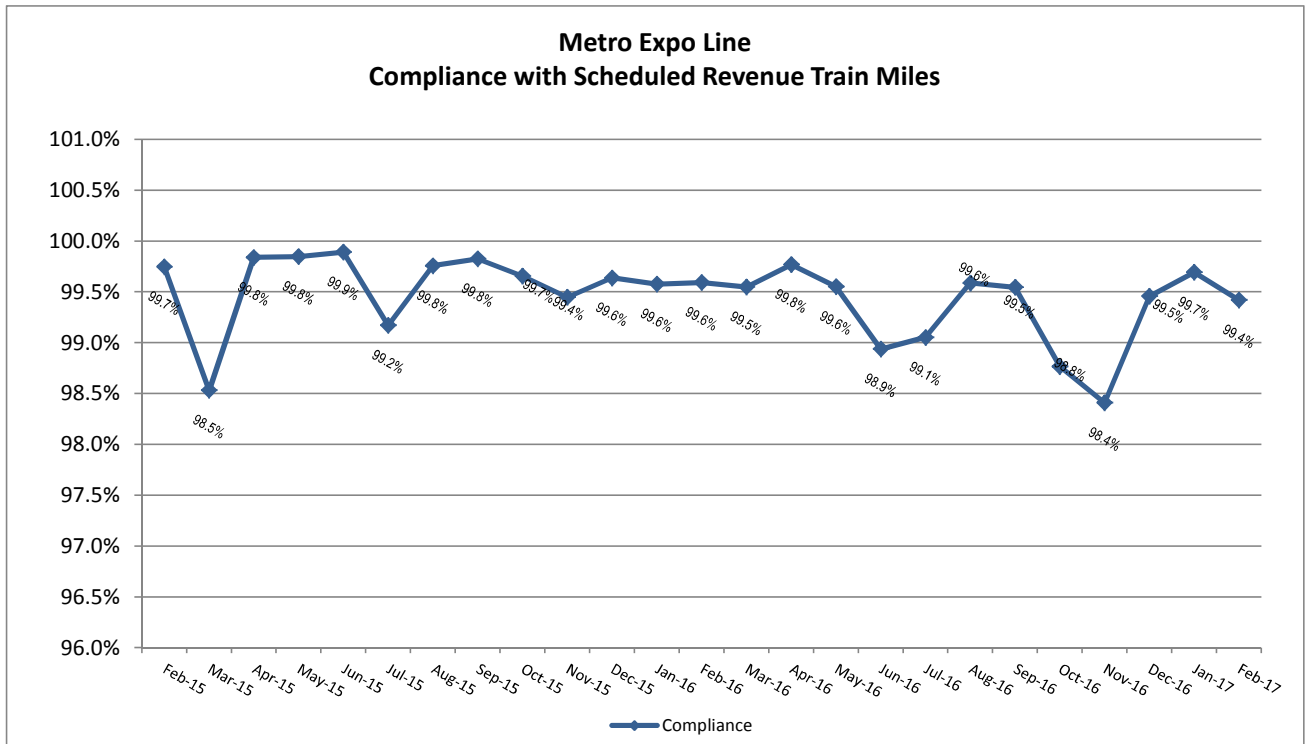
Roll-Out, 5 minutes dealy due door problem  
R-085  
Train #620  
Expo Yard

# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

## COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART

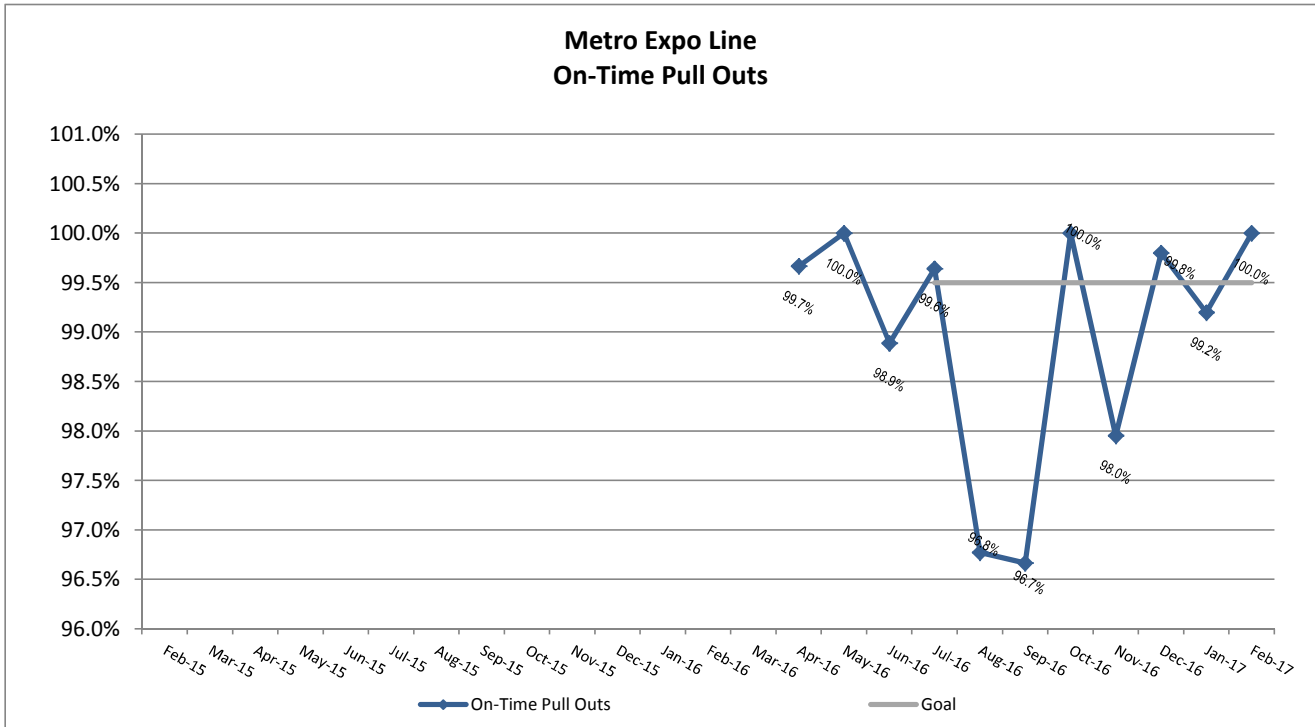


## COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

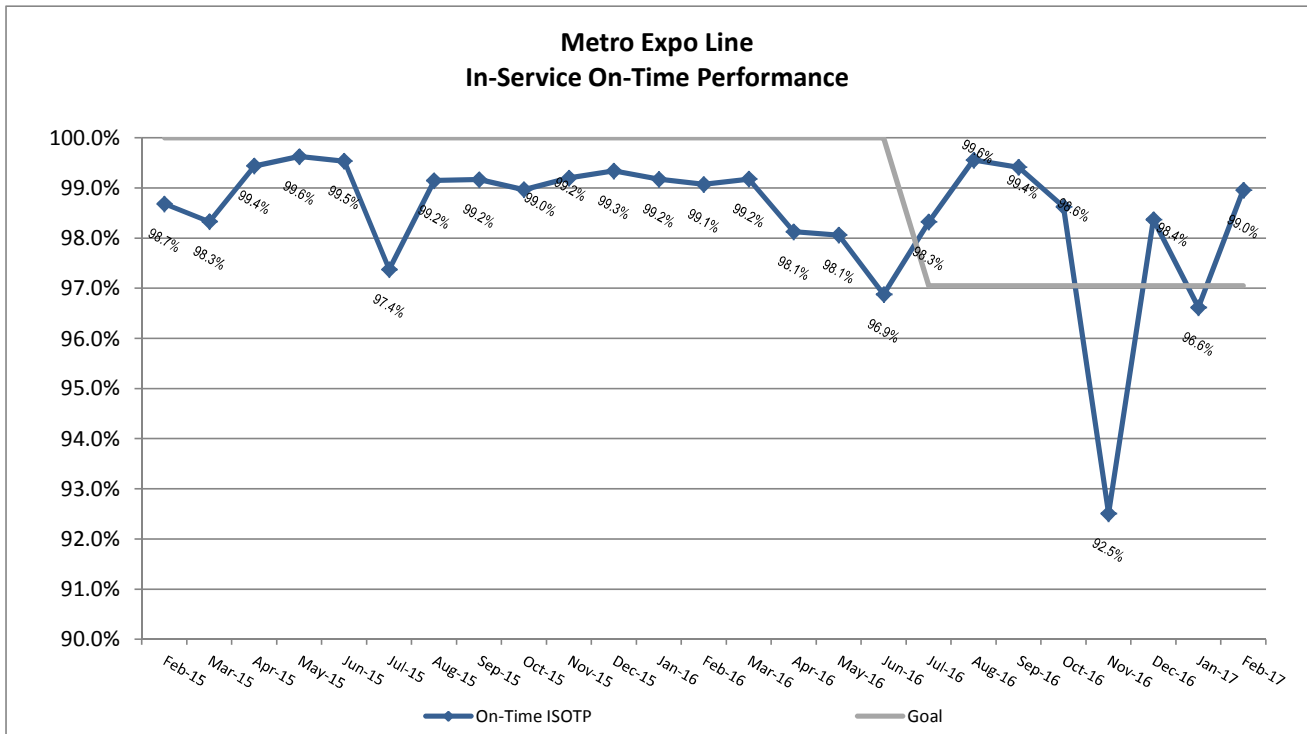




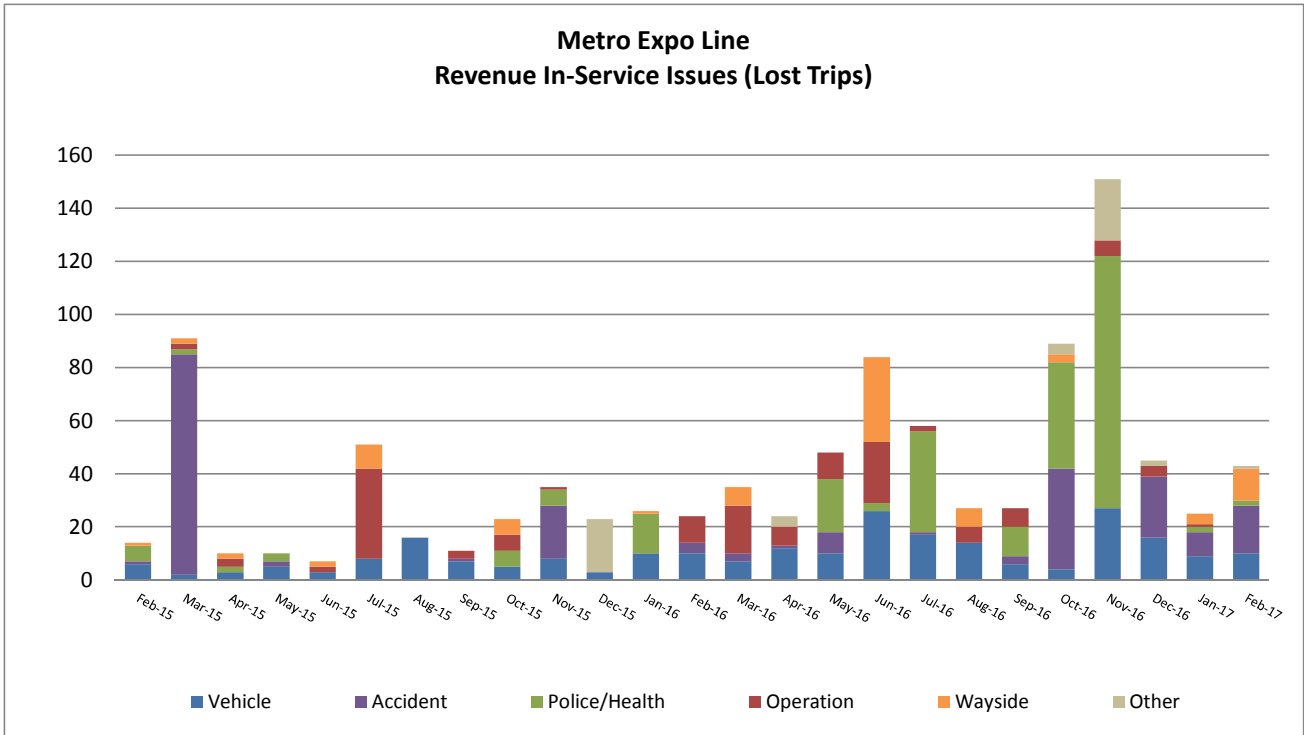
### ON-TIME PULL OUTS CHART



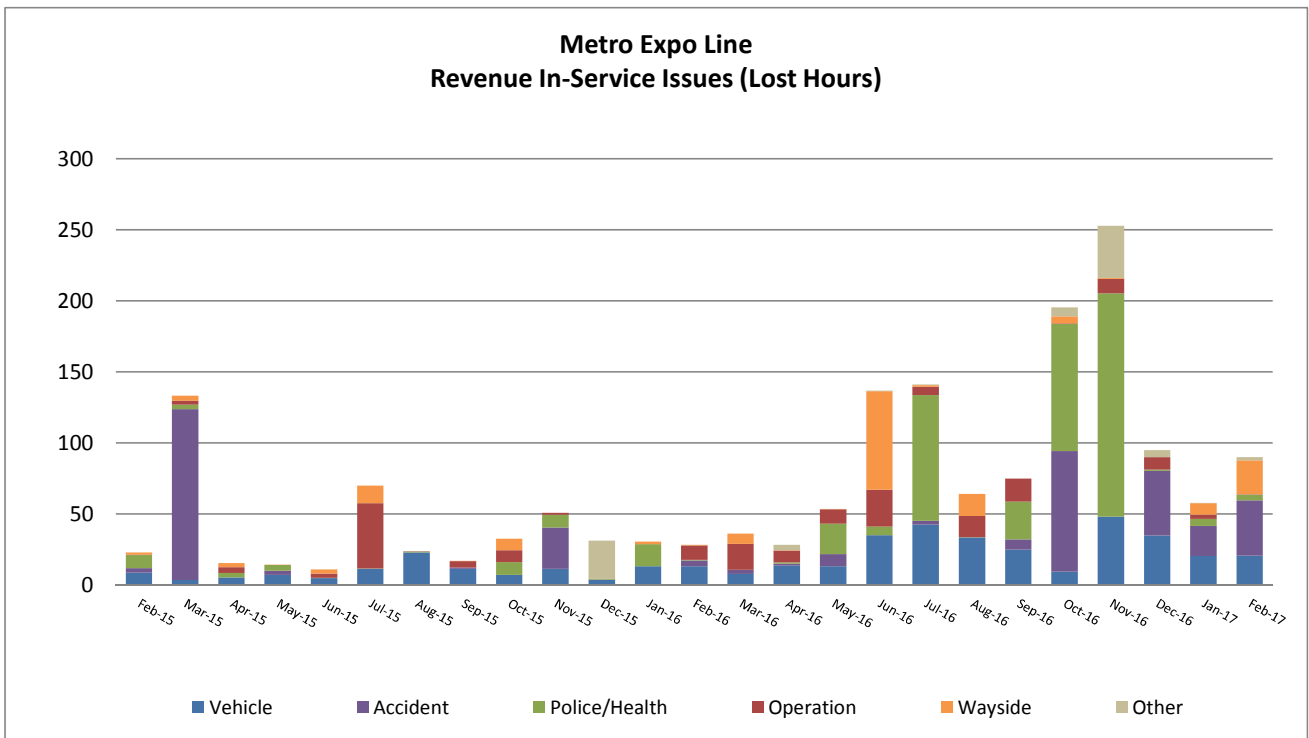
### IN-SERVICE ON-TIME PERFORMANCE CHART



## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY

