



Metropolitan Transportation Authority

Safety Committee Meeting April 2018

Committee Members

J. Lhota, Chair

A. Albert

N. Brown

F. Ferrer

C. Moerdler

M. Pally

J. Samuelson

V. Tessitore, Jr.

J. Vitiello

P. Ward

N. Zuckerman

Safety Committee Meeting

**2 Broadway, 20th Floor Board Room
New York, NY 10004**

Wednesday, 4/25/2018

8:30 - 9:30 AM ET

1. Public Comments

2. Approval of Minutes - January 24, 2018

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3. Safety Committee Work Plan

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4. Safety Metrics

February

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LIRR Safety Metrics - Page 12

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January

MTACC Safety Metrics - ESA and SAS - Page 15

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NYCT Safety Metrics - Page 19

B & T Safety Metrics - Page 20

5. Safety Policy:

Discussion of SMS Framework

6. Safety Risk Management:

MTACC - Construction Safety

MTA B&T - Waze Partnership

Date of next meeting: July 25th @8:30 am

**Metropolitan Transportation Authority
Minutes of
Safety Committee Meeting
2 Broadway, 20th Floor
New York, NY 10004**

**Wednesday, January 24, 2018
8:30 AM**

The following members were present:

**Hon. Joseph Lhota, Chair
Hon. Fernando Ferrer, Vice Chair
Hon. Mitchell Pally
Hon. Andrew Albert
Hon. Norman Brown
Hon. James Vitiello
Hon. Peter Ward
Hon. Neal Zuckerman**

The following safety officers were present:

David Mayer - MTAHQ
Cheryl Kennedy - NYCT
Loretta Ebbighausen - LIRR
Justin Vonashek – MNR
Anne Kirsch – MTAHQ
Eric Osnes – B & T

Ronnie Hakim, Managing Director, Metropolitan Transportation Authority, Helene Fromm, Acting General Counsel, Metropolitan Transportation Authority, Janno Lieber, Chief Development Officer, Metropolitan Transportation Authority, Catherine Rinaldi, Acting President, Metro-North Railroad (“MNR”), Patrick Nowakowski, President, Long Island Rail Road (“LIRR”), Cedrick Fulton, President, Bridges and Tunnels (“B&T”), Darryl Irick, President, MTA Bus and Andy Byford, President, NY Transit (“NYCT”) also attended the meeting.

Chairman Lhota called the meeting to order.

PUBLIC SPEAKERS

There were four public speakers.

1. Murray Bodin
2. Carole Zafttrey – Build Up NYC
3. Patrick O’Neill – Build Up NYC
4. Percy Lujan – Build Up NYC

APPROVAL OF MINUTES

Upon motion duly made and seconded, the minutes of the December 13, 2017 Safety Committee were approved.

SAFETY COMMITTEE WORK PLAN

Chair Lhota asked if there any changes to the work plan. Mr. Mayer said that were no changes.

SAFETY METRICS

Mr. Mayer asked the Committee members if they had any comments on the Safety Metrics provided in the book.

Mr. Mayer introduced Eric Osnes to discuss Open Road Tolling. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's remarks.

Mr. Brown noted that there was an enormous increase in arrests for texting while operating vehicles and referenced driver behavior. Mr. Osnes responded that enforcement is a key component in our strategy to reduce collisions and we will stay on top of those issues.

Mr. Mayer introduced Laurie Ebbighausen. Ms. Ebbighausen stated that on February 6, 2018, the regularly scheduled National Transportation Safety Board ("NTSB") meeting, the NTSB would release its report on end of track collisions. In addition, the NTSB will review the Atlantic Terminal incident from January 24, 2017. Ms. Ebbighausen stated that the MTA looks forward to hearing the NTSB findings and recommendations and that she will share the results during the next committee meeting.

SAFETY ASSURANCE: JOB SAFETY BRIEFINGS-VISION ZERO UPDATE

Mr. Mayer introduced Cheryl Kennedy to present on Job Safety Briefings. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's presentation.

Chair Lhota asked if we've had any substantial safety related issues in connection with the subway action plan, specifically any injuries. Ms. Kennedy responded that they identified some discoordination with the job safety briefings but the briefings are now much more coordinated. Chair Lhota stated that to his knowledge no one has been hurt. Ms. Kennedy concurred.

Mr. Mayer announced Ms. Kennedy will be retiring at the end of February after 35 ½ years. Ms. Hakim thanked Ms. Kennedy for her service to the MTA.

Mr. Mayer introduced Linda Fernandez to give an update on the Vision Zero efforts and Winter Challenges. Ms. Fernandez stated there will be two different presenters; Pierre Vieux will speak on Vision Zero and Cordell Rogers on Winter Challenges. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's presentation on Vision Zero.

SAFETY PROMOTION: WINTER CHALLENGES

Mr. Cordell Rogers presented a shortened version of the Winter Challenges video currently airing on our FYI network in all of our depots, maintenance and training facilities. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's presentation on Winter Challenges.

Mr. Albert asked about the new buses on order and how their design and increased visibility should contribute to safer conditions. Mr. Rogers responded that the design should definitely have a positive impact.

Mr. Brown asked if MTA Bus has coordinated with the Department of Sanitation about the location of snow surrounding bus pads. Mr. Rogers stated, yes, they meet with the Department of Sanitation annually before the beginning of the winter season.

Two videos on grade crossing safety that were scheduled for the December meeting were played. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's presentation.

Mr. Brown asked who paid for the work on implementing the technology. Ms. Kirsch responded the MTA paid for the technology while other items are paid for by the local municipality or State Department of Transportation.

Mr. Zuckerman raised the importance of completing Positive Train Control by the December 31, 2018 deadline.

ADJOURNMENT

Chair Lhota asked for a motion to adjourn the meeting. A motion was made and seconded and the meeting was adjourned.

2018 Safety Committee Work Plan

I. RECURRING AGENDA ITEMS

<u>Topic</u>	<u>Responsibility</u>
Public Comments	Committee Chair & Members
Approval of Minutes	Committee Chair & Members
Committee Work Plan	Committee Chair & Members

II. SPECIFIC AGENDA ITEMS

January 2018

Safety Assurance – Job Safety Briefings-Vision Zero	Agency Safety Leads
Safety Promotion – Winter Challenges	Safety Staff

April 2018

Safety Policy – Discussion of SMS Framework	MTA Chief Safety Officer
Safety Risk Management – MTACC Construction Safety MTABT WAZE Partnership	Safety Staff

July 2018

Safety Assurance – Review of Safety Performance	Agency Safety Leads
Safety Promotion – Specific item TBD	Safety Staff

September 2018

Safety Promotion – Specific item TBD	MTA Chief Safety Officer
Safety Risk Management – Specific item TBD	Safety Staff

December 2018

Safety Policy – Evaluation of Safety Committee Charter	Committee Chair & Members
Safety Assurance – Review of Safety Performance	Agency Safety Leads

January 2019

Safety Policy – Approval of 2016 Work Plan	Committee Chair & Members
Safety Risk Management – Specific item TBD	Safety Staff

Detailed Summary

I. RECURRING AGENDA ITEMS

Approval of Minutes

The Committee Chair will request a motion to approve the minutes of the prior meeting of the Safety Committee.

Committee Work Plan

The Work Plan will list, by meeting, the topics scheduled for review. The Committee will be advised if any changes have been made to the plan.

II. SPECIFIC AGENDA ITEMS

Note: The SMS framework has four pillars: Safety Policy, Safety Risk Management, Safety Assurance, and Safety Promotion. To facilitate general oversight of SMS activities at the MTA and its agencies, each agenda items will generally pertain to one of these pillars.

January 2018

Safety Assurance – Review of Safety Performance

The committee will receive a briefing and discussion will be invited pertaining to the safety performance of the agencies. This relates to the Safety Assurance SMS pillar, and provides an opportunity for deeper exploration of “lagging” indicators of safety.

Safety Promotion

The committee will receive a briefing and/or an action item pertaining to a specific aspect of the Safety Promotion SMS pillar.

April 2018

Safety Policy

The committee will receive a briefing and/or an action item pertaining to a specific aspect of the Safety Policy SMS pillar.

Safety Risk Management

The committee will receive a briefing and discussion will be invited pertaining to a specific aspect of the Safety Risk Management SMS pillar.

July 2018

Safety Assurance – Review of Safety Performance

The committee will receive a briefing and discussion will be invited pertaining to the safety performance of the agencies. This relates to the Safety Assurance SMS pillar, and provides an opportunity for deeper exploration of “lagging” indicators of safety.

Safety Promotion

The committee will receive a briefing and/or an action item pertaining to a specific aspect of the Safety Promotion SMS pillar.

September 2018

Safety Promotion

The committee will receive a briefing and/or an action item pertaining to a specific aspect of the Safety Promotion SMS pillar.

Safety Risk Management

The committee will receive a briefing and discussion will be invited pertaining to a specific aspect of the Safety Risk Management SMS pillar.

December 2018

Safety Policy – Evaluation of Safety Committee Charter

The Safety Committee Charter specifies that the Committee Chair & Members will review the charter annually. This relates to the Safety Policy SMS pillar.

Safety Assurance – Review of Safety Performance

The committee will receive a briefing and discussion will be invited pertaining to the safety performance of the agencies. This relates to the Safety Assurance SMS pillar, and provides an opportunity for deeper exploration of “lagging” indicators of safety.

January 2019

Safety Policy – Approval of 2019 Work Plan

The committee will be presented with and discuss the 2018 work plan and asked to approve the same. As the work plan governs the activities of the committee, this pertains to the Safety Policy SMS pillar.

Safety Risk Management

The committee will receive a briefing and discussion will be invited pertaining to a specific aspect of the Safety Risk Management SMS pillar.

SAFETY OPERATIONS REPORT

For East Side Access - February 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.31	0.6
Recordable Injury Rate	0.94	2.8

Performance Indicator - CM	Feb	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	198	200	1920	10%
JHAT Audit	10	11	120	9%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	6	6	12	50%
Leading Indicators - Contractor	Feb	YTD	Goal	YTD as % of Goal
Training	19	14	160	9%
Toolbox Talks	77	89	500	18%
Site Inspections	260	255	2940	9%
SWP Review/Audit	30	52	425	12%
New Employee Orientation	159	140	1500	9%
Emergency Preparedness	0	0	20	0%

For Second Avenue Subway - February 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.0
Recordable Injury Rate	0.57	0.0

Performance Indicator - CM	Feb	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	51	50	1415	4%
JHAT Audit	0	0	120	0%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	5	5	60	8%
Leading Indicators - Contractor	Feb	YTD	Goal	YTD as % of Goal
Training	2	2	158	1%
Toolbox Talks	17	16	240	7%
Site Inspections	98	112	1415	8%
SWP Review/Audit	6	8	0	
New Employee Orientation	8	5	0	
Emergency Preparedness	0	0	10	0%

SAFETY OPERATIONS REPORT

For Cortlandt - February 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.0
Recordable Injury Rate	0.0	7.8

Performance Indicator - CM	Feb	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	40	49	480	10%
JHAT Audit	2	2	24	8%
Quarterly Safety Audit	1	1	4	25%
Bi Annual ACE Evaluation	0	0	2	0%
Safety Monthly Meeting	17	14	180	8%
Leading Indicators - Contractor	Feb	YTD	Goal	YTD as % of Goal
Training	4	5	6	83%
Toolbox Talks	4	15	50	30%
Site Inspections	50	46	720	6%
SWP Review/Audit	5	4	45	9%
New Employee Orientation	12	25	100	25%
Emergency Preparedness	0	0	2	0%

For No. 7 Line - February 2018

Performance				
Injury Rate	2017	2018 YTD		
Lost Time Injury Rate per 200,000 worker hours	0	0.0		
Recordable Injury Rate	0.0	0.0		
Performance Indicator - CM	Feb	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	19	22	251	9%
JHAT Audit	2	0	11	0%
Quarterly Safety Audit	0	1	5	20%
Bi Annual ACE Evaluation	0	0	2	0%
Safety Monthly Meeting	1	1	12	8%
Leading Indicators - Contractor	Feb	YTD	Goal	YTD as % of Goal
Training	2	3	26	12%
Toolbox Talks	4	5	48	10%
Site Inspections	52	48	729	7%
SWP Review/Audit	0	0	9	0%
New Employee Orientation	19	12	124	10%
Emergency Preparedness	0	0	1	0%

February 2018 Safety Report

Performance			
Performance Indicator	12-Month Average		
	March 2015 - February 2016	March 2016 - February 2017	March 2017 - February 2018
FRA Reportable Customer Accident Rate per Million Customers	1.24	1.15	0.85
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.55	2.98	2.96
Grade Crossing Incidents ¹	2	1	2
Mainline FRA Reportable Train Derailments	2	0	2
Mainline FRA Reportable Train Collisions	0	0	0

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Safety Training	2017		2018	
	February	Year to Date	February	Year to Date
First Responders Trained	146	304	183	227
Employee Safety Training Courses	98	188	128	202
Employees Trained	1,208	2,000	1,339	2,478
Employee Safety Training Hours	25,892	35,447	19,581	50,274
Customer and Community: Focus on Grade Crossings	2017		2018	
	February	Year to Date	February	Year to Date
Broken Gates	3	6	0	5
MTA Police Details	133	297	117	208
Summons	43	139	23	50
Warnings	7	11	0	0
Community Education and Outreach	11,890	15,290	8,910	10,095
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	319	33.37%	
Passenger Compartment Cameras	1,086	316	29.10%	

Definitions:

First Responders Trained - The number of first responders trained by MNR's Emergency Management to assist in crisis events, such as train evacuation.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Employees Trained - The number of unique employees that attended one or more of these safety-related courses.

Employee Safety Training Hours - The total hours of training completed by employees in all safety-related courses attended.

MTA Police Detail - The number of details specifically for the purpose of monitoring behavior at Grade Crossings.

Summons for Grade Crossing Violation and other Infractions- The number of violations issued to a motorist for going around a crossing gate or due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Warnings - The number of warnings issued to motorists due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Community Education and Outreach - The number of individuals reached at a TRACKS event. Program began in May 2016.

Cars Equipped with Cameras - Number of complete inward/outward and passenger compartment camera installations on rolling stock. Installation began in August 2016.

February Safety Report

Statistical results for the 12-Month period are shown below.

Performance			
Performance Indicator	12-Month Average		
	March 2015- February 2016	March 2016- February 2017	March 2017- February 2018
FRA Reportable Customer Accident Rate per Million Customers	4.50	4.20	2.83
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.25	3.27	3.65
Grade Crossing Incidents ¹	13	8	15
Mainline FRA Reportable Train Derailments	0	3	0
Mainline FRA Reportable Train Collisions	2	2	1

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Focus on Safety Training	2017		2018	
	February	Year to Date	February	Year to Date
First Responders Trained	134	413	194	282
Employee Safety Training Courses	87	124	76	146
Employees Trained	1,083	2,029	997	1945
Employee Safety Training Hours	20,549	50,409	22,356	41,839
Customer and Community:	February 2017	Year to Date	February 2018	Year to Date
Broken Gates	7	15	7	14
MTA Police Details	57	98	106	230
Summons	198	321	117	199
Warnings	99	151	37	80
Arrests	0	0	0	0
Community Education and Outreach	10,342	17,655	8,540	16,566
	Completed		Total 2018	% Complete
Cameras on Rolling Stock	4		429	1%

Definitions:

First Responders Trained - The number of first responders trained to assist in crisis events.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Broken Gates - The number of events at grade crossing locations where a vehicle broke a crossing gate.

MTA Police Detail - The number of details specifically for the purpose of monitoring behavior at Grade Crossings.

Summons for Grade Crossing Violation and other Infractions- The number of violations issued to a motorist for going around a crossing gate or due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Warnings - The number of warnings issued to motorists due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Community Education and Outreach - The number of participants who attended a TRACKS, Operation LifeSaver, or Railroad Safety Awareness Event.

Cameras on Rolling Stock - Number of complete inward/outward camera installations on rolling stock.

Monthly Operations Report

Statistical results for the 12-Month period are shown below.

Safety Report				
Performance Indicators		12-Month Average		
		Mar 15 - Feb 16	Mar 16 - Feb 17	Mar 17 - Feb 18
Subways				
Subway Customer Accidents per Million Customers ¹		2.60	2.58	2.90
Subway Collisions ^{2,3}		0	0	0
Subway Derailments ^{2,3}		2	3	4
Subway Fires ²		1,022	952	977
Buses				
Bus Collisions Per Million Miles Regional		53.79	55.92	54.95
Bus Collision Injuries Per Million Miles Regional		6.28	6.50	6.10
Bus Customer Accidents Per Million Customers Regional		1.15	1.28	1.24
Total NYC Transit and MTA Bus Lost Time Accidents per 100 Employees		3.95	3.91	3.46

¹ 12-Month Average data from February through January.

² 12-month figures shown are totals rather than averages.

³ Data from April through March.

Leading Indicators				
Subways	March	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	33	100	340	29.4%
Joint Track Safety Audits -- Compliance Rate	98.2%	97.9%	100.0%	97.9%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	9,206	18,159	72,000	25.2%
Friction Pad Installation	8,292	25,170	50,000	50.3%
Buses	March	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System Pilot	20	52	283	18.4%
Vision Zero Employee Training	531	1,625	6,100	26.6%

Safety Report

Statistical results for the 12-Month period are shown below.

Performance Indicator			
Performance Indicator	12-Month Average		
	March 2015 - February 2016	March 2016 - February 2017	March 2017 - February 2018
Customer Collisions Rate for Bridge Customers per Million Vehicles	5.94	7.64	7.76
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.97	0.90	0.94
Employee Accident Reports	225	269	234
Employee Lost Time Injuries Rate per 200,000 worker hours	4.8	6.6	7.8
Construction Injuries per 200,000 worker hours	2.15	1.96	1.43

Leading Indicators				
Roadway Safety	2017		2018	
	February	Year End	February	Year to Date
Workforce Development (# of Participants)	58	926	181	211
Fleet Preventative Maintenance Insp.	113	1445	107	265
Safety Taskforce Inspections	2	12	0	0
Construction Safety	February	Year End	February	Year to Date
Construction Safety Inspections	262	3384	149	307
Fire Safety	February	Year End	February	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	0	25	0	0

Definitions:

Workforce Development provides for focused safety and skills training to all operations, maintenance and staff personnel. Classes feature OSHA 10 and 30 Classes, operations mandatory safety and skills instruction and retraining and specialty training (TIMS, CDL, FDNY instruction, Wrecker Driver Instruction and Roadway Safety Rules).

Fleet Preventative Maintenance Inspections are conducted at each location to improve the customer and worker safety environment. Inspections identify potential hazardous roadway or facility conditions and prescribe corrective actions to eliminate hazards.

Safety Taskforce Inspections are conducted by the joint Labor and Management Committee at each facility throughout the year on a rotating basis. The inspections consist of reviewing past accident and incident experiences/reports and facility safety reports. The Taskforce meets with location management and union representatives and makes a complete tour of the facility. The Taskforce is comprised of representatives of the Safety and Operations groups and has representation from each of the represented unions.

Construction Safety Inspections are conducted by an independent safety monitor to ensure that the necessary components for a safe construction are present. Inspections include review of safety organization, job hazard analysis, safe work plans for specific high risk activities, personal protective equipment, fire protection, industrial hygiene, and training.

Fire Code Audits are required by the NYS Uniform Fire Prevention Code. They are conducted by the Safety and Health Department at each building and facility throughout the Agency. They feature a review of fire prevention activities and the condition of fire fighting and suppression equipment.

FDNY Liaison Visits are conducted on a regular basis (typically twice a year) whereby local fire companies visit and tour the facilities to become familiar with the structures and buildings and the fire equipment provided. This facilitates the development of strategies for fighting fires and responding to emergencies. Additionally, special drills and training exercises are conducted to drill on communications and special rescue operations should they be required.

SAFETY OPERATIONS REPORT

For East Side Access - January 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.31	0.0
Recordable Injury Rate	0.94	0.0

Performance Indicator - CM	Jan	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	200	200	1920	10%
JHAT Audit	11	11	120	9%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	6	6	12	50%
Leading Indicators - Contractor	Jan	YTD	Goal	YTD as % of Goal
Training	14	14	160	9%
Toolbox Talks	89	89	500	18%
Site Inspections	255	255	2940	9%
SWP Review/Audit	52	52	425	12%
New Employee Orientation	140	140	1500	9%
Emergency Preparedness	0	0	20	0%

For Second Avenue Subway - January 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.0
Recordable Injury Rate	0.57	0.0

Performance Indicator - CM	Jan	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	50	50	1415	4%
JHAT Audit	0	0	120	0%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	5	5	60	8%
Leading Indicators - Contractor	Jan	YTD	Goal	YTD as % of Goal
Training	2	2	158	1%
Toolbox Talks	16	16	240	7%
Site Inspections	112	112	1415	8%
SWP Review/Audit	8	8	0	
New Employee Orientation	5	5	0	
Emergency Preparedness	0	0	10	0%

SAFETY OPERATIONS REPORT

For Cortlandt - January 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.0
Recordable Injury Rate	0.0	14.8

Performance Indicator - CM	Jan	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	49	49	480	10%
JHAT Audit	2	2	24	8%
Quarterly Safety Audit	0	1	4	25%
Bi Annual ACE Evaluation	0	0	2	0%
Safety Monthly Meeting	14	14	180	8%
Leading Indicators - Contractor	Jan	YTD	Goal	YTD as % of Goal
Training	5	5	6	83%
Toolbox Talks	15	15	50	30%
Site Inspections	46	46	720	6%
SWP Review/Audit	4	4	45	9%
New Employee Orientation	25	25	100	25%
Emergency Preparedness	0	0	2	0%

For No. 7 Line - January 2018

Performance				
Injury Rate	2017	2018 YTD		
Lost Time Injury Rate per 200,000 worker hours	0	0.0		
Recordable Injury Rate	0.0	0.0		
Performance Indicator - CM	Jan	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	22	22	251	9%
JHAT Audit	0	0	11	0%
Quarterly Safety Audit	1	1	5	20%
Bi Annual ACE Evaluation	0	0	2	0%
Safety Monthly Meeting	1	1	12	8%
Leading Indicators - Contractor	Jan	YTD	Goal	YTD as % of Goal
Training	3	3	26	12%
Toolbox Talks	5	5	48	10%
Site Inspections	48	48	729	7%
SWP Review/Audit	0	0	9	0%
New Employee Orientation	12	12	124	10%
Emergency Preparedness	0	0	1	0%

January 2018 Safety Report

Performance			
Performance Indicator	12-Month Average		
	February 2015 - January 2016	February 2016 - January 2017	February 2017 - January 2018
FRA Reportable Customer Accident Rate per Million Customers	1.84	1.21	0.86
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.85	2.97	2.93
Grade Crossing Incidents ¹	3	1	2
Mainline FRA Reportable Train Derailments	2	0	2
Mainline FRA Reportable Train Collisions	0	0	0

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Safety Training	2017		2018	
	January	Year to Date	January	Year to Date
First Responders Trained	158	158	44	44
Employee Safety Training Courses	90	90	157	157
Employees Trained	792	792	1,589	1,589
Employee Safety Training Hours	9,555	9,555	18,539	18,539
Customer and Community: Focus on Grade Crossings	2017		2018	
	January	Year to Date	January	Year to Date
Broken Gates	3	3	5	5
MTA Police Details	164	164	91	91
Summons	96	96	27	27
Warnings	4	4	0	0
Community Education and Outreach	3,400	3,400	1,185	1,185
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
	Inward / Outward Facing Cab Cameras	956	273	28.56%
Passenger Compartment Cameras	1,086	270	24.86%	

Definitions:

First Responders Trained - The number of first responders trained by MNR's Emergency Management to assist in crisis events, such as train evacuation.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Employees Trained - The number of unique employees that attended one or more of these safety-related courses.

Employee Safety Training Hours - The total hours of training completed by employees in all safety-related courses attended.

MTA Police Detail - The number of details specifically for the purpose of monitoring behavior at Grade Crossings.

Summons for Grade Crossing Violation and other Infractions- The number of violations issued to a motorist for going around a crossing gate or due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Warnings - The number of warnings issued to motorists due to behavior that put the motorist at risk (i.e. cell phone use, etc.).

Community Education and Outreach - The number of individuals reached at a TRACKS event. Program began in May 2016.

Cars Equipped with Cameras - Number of complete inward/outward and passenger compartment camera installations on rolling stock. Installation began in August 2016.

January Safety Report

Statistical results for the 12-Month period are shown below.

Performance			
Performance Indicator	12-Month Average		
	February 2015- January 2016	February 2016- January 2017	February 2017 - January 2018
FRA Reportable Customer Accident Rate per Million Customers	4.41	4.47	2.93
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.43	3.10	3.79
Grade Crossing Incidents ¹	13	8	15
Mainline FRA Reportable Train Derailments	0	2	1
Mainline FRA Reportable Train Collisions	2	2	1

¹ Per FRA - Any impact between railroad on-track equipment and a highway user at a highway-rail grade crossing. The term "highway user" includes automobiles, buses, trucks, motorcycles, bicycles, farm vehicles, pedestrians, and all other modes of surface transportation motorized and un-motorized.

Leading Indicators				
Focus on Safety Training	2017		2018	
	January	Year to Date	January	Year to Date
First Responders Trained	64	64	42	42
Employee Safety Training Courses	58	58	69	69
Employees Trained	894	894	992	992
Employee Safety Training Hours	18,585	18,585	21,005	21,005
Customer and Community:	January 2017	Year to Date	January 2018	Year to Date
Broken Gates	8	8	7	7
MTA Police Details	41	41	124	124
Summons	123	123	82	82
Warnings	52	52	43	43
Arrests	0	0	0	0
Community Education and Outreach	7,313	7,313	8,026	8,026
	Completed		Total	% Complete
Cameras on Rolling Stock	May - Installation complete on two M7 cars and one C3 for testing.		TBD	TBD

Definitions:

First Responders Trained - The number of first responders trained to assist in crisis events.

Employee Safety Training Courses - The number of distinct safety-related courses offered, including technical courses that have a safety element. Repeats are excluded so that each course is counted only once.

Monthly Operations Report

Statistical results for the 12-Month period are shown below.

Safety Report				
Performance Indicators		12-Month Average		
		Feb 15 - Jan 16	Feb 16 - Jan 17	Feb 17 - Jan 18
Subways				
Subway Customer Accidents per Million Customers ¹		2.61	2.54	2.87
Subway Collisions ^{2,3}		0	0	0
Subway Derailments ^{2,3}		3	3	4
Subway Fires ²		1,043	969	968
Buses				
Bus Collisions Per Million Miles Regional		53.85	56.16	55.19
Bus Collision Injuries Per Million Miles Regional		6.31	6.51	6.03
Bus Customer Accidents Per Million Customers Regional		1.16	1.27	1.23
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees		4.01	3.94	3.50

¹ 12-Month Average data from January through December.

² 12-month figures shown are totals rather than averages.

³ Data from March through February.

Leading Indicators				
Subways	February	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	31	67	340	19.7%
Joint Track Safety Audits -- Compliance Rate	98.5%	97.8%	100.0%	97.8%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	6,808	8,953	72,000	12.4%
Friction Pad Installation	11,862	16,878	37,000	45.6%
Buses	February	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System Pilot	20	32	283	11.3%
Vision Zero Employee Training	556	1,094	6,100	17.9%

Safety Report

Statistical results for the 12-Month period are shown below.

Performance Indicator			
Performance Indicator	12-Month Average		
	February 2015 - January 2016	February 2016 - January 2017	February 2017 - January 2018
Customer Collisions Rate for Bridge Customers per Million Vehicles	5.87	7.59	7.83
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.97	0.88	0.95
Employee Accident Reports	233	275	222
Employee Lost Time Injuries Rate per 200,000 worker hours	4.7	6.7	7.0
Construction Injuries per 200,000 worker hours	2.08	1.84	1.41

Leading Indicators				
Roadway Safety	2017		2018	
	January	Year End	January	Year to Date
Workforce Development (# of Participants)	22	926	30	30
Fleet Preventative Maintenance Insp.	124	1445	158	158
Safety Taskforce Inspections	0	12	0	0
Construction Safety	January	Year End	January	Year to Date
Construction Safety Inspections	291	3384	158	158
Fire Safety	January	Year End	January	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	0	25	0	0

Definitions:

Workforce Development provides for focused safety and skills training to all operations, maintenance and staff personnel. Classes feature OSHA 10 and 30 Classes, operations mandatory safety and skills instruction and retraining and specialty training (TIMS, CDL, FDNY instruction, Wrecker Driver Instruction and Roadway Safety Rules).

Fleet Preventative Maintenance Inspections are conducted at each location to improve the customer and worker safety environment. Inspections identify potential hazardous roadway or facility conditions and prescribe corrective actions to eliminate hazards.

Safety Taskforce Inspections are conducted by the joint Labor and Management Committee at each facility throughout the year on a rotating basis. The inspections consist of reviewing past accident and incident experiences/reports and facility safety reports. The Taskforce meets with location management and union representatives and makes a complete tour of the facility. The Taskforce is comprised of representatives of the Safety and Operations groups and has representation from each of the represented unions.

Construction Safety Inspections are conducted by an independent safety monitor to ensure that the necessary components for a safe construction are present. Inspections include review of safety organization, job hazard analysis, safe work plans for specific high risk activities, personal protective equipment, fire protection, industrial hygiene, and training.

Fire Code Audits are required by the NYS Uniform Fire Prevention Code. They are conducted by the Safety and Health Department at each building and facility throughout the Agency. They feature a review of fire prevention activities and the condition of fire fighting and suppression equipment.

FDNY Liaison Visits are conducted on a regular basis (typically twice a year) whereby local fire companies visit and tour the facilities to become familiar with the structures and buildings and the fire equipment provided. This facilitates the development of strategies for fighting fires and responding to emergencies. Additionally, special drills and training exercises are conducted to drill on communications and special rescue operations should they be required.