



Metropolitan Transportation Authority

Safety Committee Meeting January 2019

Committee Members

F. Ferrer, Chair

A. Albert

N. Brown

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

Thursday, 1/24/2019

8:00 - 9:00 AM ET

1. Public Comments

2. Approval of Minutes - October 22, 2018

Safety Committee Minutes - Page 3

3. Safety Committee Work Plan

2019 Safety Cmte Work Plan - Page 5

4. Safety Metrics

November

MTACC Safety Metrics - ESA and Cortlandt - Page 7

MNR Safety Metrics - Page 8

LIRR Safety Metrics - Page 9

NYCT Safety Metrics - Page 10

B & T Safety Metrics - Page 11

October

MTACC Safety Metrics - ESA and Cortlandt - Page 12

MNR Safety Metrics - Page 13

LIRR Safety Metrics - Page 14

NYCT Safety Metrics - Page 15

B & T Safety Metrics - Page 16

5. Safety Policy: FTA new SMS Safety Plan Requirements

6. Safety Risk Management: Safety Metrics, Trespassing & Suicide Prevention

Next Committee Meeting: May 2019

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

**Monday, October 22, 2018
2:30 PM**

The following members were present:

**Hon. Joseph Lhota, Chair
Hon. Mitchell Pally
Hon. Andrew Albert
Hon. Norman Brown
Hon. Vincent Tessitore
Hon. Peter Ward
Hon. Neal Zuckerman
Hon. Ira Greenberg**

The following agency safety officers were present:

Patrick Warren, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Robert Diehl, MTA New York City Transit, (“NYCT”)
Loretta Ebbighausen, MTA Long Island Rail Road (“LIRR”)
Justin Vonashek, Metro-North Railroad (“MNR”)MNR
Eric Osnes, MTA Bridges and Tunnels (“B&T”)
Peter Kohner, MTA Capital Construction (“CC”)

Ronnie Hakim, Managing Director, Metropolitan Transportation Authority (“MTA”); Helene Fromm, Chief of Staff, MTA were also in attendance.

Chairman Lhota chaired the October meeting, and called the meeting to order.

PUBLIC SPEAKERS

There were no public speakers.

INTRODUCTORY COMMENTS FROM NEW CHIEF SAFETY OFFICER, PATRICK WARREN

Chair Lhota welcomed Chief Safety Officer, Patrick Warren, and Mr. Warren conducted opening comments. 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.

APPROVAL OF MINUTES

Upon motion duly made and seconded, the minutes of the July 25, 2018 Safety Committee were approved.

SAFETY COMMITTEE WORK PLAN

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

SAFETY PROMOTION: AWARENESS BROCHURE/SAFETY DAY

Mr. Warren discussed the Safety Management System (SMS) component, safety promotion. The Safety Officers from Metro-North Railroad, Long Island Rail Road, New York City Transit and Bridges and Tunnels discussed activities their agencies were performing to promote safety among their staff and customers. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speakers' presentations.

SAFETY RISK MANAGEMENT: NTSB RECOMMENDATIONS

Mr. Warren discussed the SMS component, Safety Risk Management. 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. Zuckerman asked for clarity on some of the NTSB recommendations and which recommendations will be closed in 2019. Mr. Warren responded to Mr. Zuckerman's question with what recommendations will be closed in 2019. 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. Greenberg commented on the commuter railroads and how PTC will not effective at Penn Station, Grand Central, Brooklyn Terminal and Jamaica and we should look at something that will provide the same sort of protection as PTC and encourages the MTA to look at this in the future.

ADJOURNMENT

Chairman Lota asked for a motion to adjourn the meeting. A motion was made and seconded and the meeting was adjourned.

2019 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 2019

	<u>Responsibility</u>
Safety Policy	
- Approval of 2019 Work Plan	MTA Chief Safety Officer
- FTA new SMS Safety Plan requirements	NYCT Safety & Security Review

Safety Risk Management

- 2018 Safety Statistics	Agency Safety Leads
- Trespassing/Suicide Prevention coordination	Agency Safety Leads & MTA Safety & Emergency Management

May 2019

Safety Assurance	
- Grade Crossing Improvements	Safety & Emergency Management

July 2019

Safety Promotion	
- Mass notification implementation	Safety & Emergency Management
- Preparedness drills	

October 2019

Safety Risk Management	
- Fatigue	MTA Chief Safety Officer
- Soft tissue injuries (Musculoskeletal)	Agency Safety Leads

January 2020

Safety Policy – Approval of 2020 Work Plan	Committee Chair & Members
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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 2019

Safety Policy – Approval of the 2019 workplan

The committee will receive a discussion on the 2019 workplan and asked to approve. The committee will also be briefed on the Federal Transit Administration's new Agency Safety Plan (aka Safety Management System – SMS) regulation, to include its application at the MTA and requirements for the MTA Board.

Safety Risk Management –

The committee will receive be briefed on the 2018 safety metrics. The committee will also receive a briefing regarding customer initiated incidents, including trespassing and suicide prevention efforts from across the agencies.

May 2019

Safety Assurance –

The committee will receive a briefing pertaining to the efforts of improving grade crossing safety and the development of standards for consistency.

July 2019

Safety Risk Management

The committee will receive a midyear report on the 2019 safety metrics.

Safety Promotion

The committee will receive a briefing and discussion will be invited pertaining to the implementation of an MTA employee mass notification system as well as emergency preparedness drills. The Committee will also receive a briefing on emergency preparedness programs and standards.

October 2019

Safety Risk Management

The committee will receive a briefing on the MTA's fatigue mitigation programs. The committee will also receive a briefing regarding soft tissue injuries and agency efforts to mitigate the risk posed by them.

January 2020

Safety Policy – Approval of 2019 Work Plan

The committee will be presented with and discuss the 2020 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 OPERATIONS REPORT

For East Side Access - November 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.23	0.9
Recordable Injury Rate	1.25	1.7

Performance Indicator - CM	Nov	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	201	2286	1920	119%
JHAT Audit	8	119	120	99%
Quarterly Safety Audit	0	15	20	75%
Bi Annual ACE Evaluation	0	12	10	120%
Safety Monthly Meeting	7	78	12	650%
Leading Indicators - Contractor	Nov	YTD	Goal	YTD as % of Goal
Training	36	381	160	238%
Toolbox Talks	20	703	500	141%
Site Inspections	112	2023	2940	69%
SWP Review/Audit	14	301	425	71%
New Employee Orientation	16	827	1500	55%
Emergency Preparedness	4	55	20	275%

For Cortlandt - November 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.8
Recordable Injury Rate	0.0	10.9

Performance Indicator - CM	Nov	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	41	532	480	111%
JHAT Audit	2	22	24	92%
Quarterly Safety Audit	0	3	4	75%
Bi Annual ACE Evaluation	0	1	2	50%
Safety Monthly Meeting	10	179	180	99%
Leading Indicators - Contractor	Nov	YTD	Goal	YTD as % of Goal
Training	3	48	64	75%
Toolbox Talks	6	59	50	118%
Site Inspections	60	601	720	83%
SWP Review/Audit	1	33	45	73%
New Employee Orientation	2	87	100	87%
Emergency Preparedness	0	1	2	50%

November 2018 Safety Report

Performance				
Performance Indicator	12-Month Average			
	December 2015 - November 2016	December 2016 - November 2017	December 2017 - November 2018	
FRA Reportable Customer Accident Rate per Million Customers	1.25	0.81	0.92	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.96	2.92	2.47	
	2017		2018	
	November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	0	1	1	2
Mainline FRA Reportable Train Derailments	0	2	0	0
Mainline FRA Reportable Train Collisions	0	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	
	November	Year to Date	November	Year to Date
First Responders Trained	72	1,403	98	2,022
Employee Safety Training Courses	135	312	148	368
Employees Trained	2,596	6,609	1,750	6,516
Employee Safety Training Hours	18,678	251,754	19,114	278,464
Customer and Community: Focus on Grade Crossings	2017		2018	
	November	Year to Date	November	Year to Date
Broken Gates	3	23	1	27
MTA Police Details	122	1,349	67	1,171
Summons	48	595	28	617
Warnings	3	154	0	67
Community Education and Outreach	4,650	71,643	3,510	99,520
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	869	90.90%	
Passenger Compartment Cameras	1,085	834	76.87%	

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.

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

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

Summons - 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.

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

November 2018 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	December 2015 - November 2016	December 2016 - November 2017	December 2017 - November 2018		
FRA Reportable Customer Accident Rate per Million Customers	3.96	4.23	1.99		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.00	3.79	2.85		
		2017		2018	
		November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	3	16	0		7
Mainline FRA Reportable Train Derailments	0	1	0		1
Mainline FRA Reportable Train Collisions	0	2	0		3

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.

Focus on Safety Training	2017		2018	
	November	Year to Date	November	Year to Date
First Responders Trained	116	1,478	110	2,039
Employee Safety Training Courses	80	678	68	936
Employees Trained	888	9,816	1,051	11,983
Employee Safety Training Hours	18,284	241,407	16,231	249,041
Customer and Community: Focus on Grade Crossings	November	Year to Date	November	Year to Date
Broken Gates	7	105	15	113
MTA Police Details	189	1,072	67	1,037
Summons	118	1,707	136	1,122
Warnings	78	814	90	516
Arrests	0	1	0	2
Community Education and Outreach	12,746	112,132	6,582	108,318
		Completed	Total	% Complete
Cameras on Rolling Stock	M7 (Cars)		270	32.30
	C3 Cab		23	100.00
	C3 Trailer		33	29.70
	DE/DM		1	2.22

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

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.

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 November 2018

Statistical results for the 12-Month period are shown below

Safety Report

Performance Indicators	12-Month Average		
	Dec 15 - Nov 16	Dec 16 - Nov 17	Dec 17 - Nov 18
Subways			
Subway Customer Accidents per Million Customers ¹	2.53	2.82	2.94
Subway Collisions ²	0	0	0
Subway Derailments ²	1	6	1
Subway Fires ²	943	927	940
Buses			
Bus Collisions Per Million Miles Regional	56.38	55.24	53.48
Bus Collision Injuries Per Million Miles Regional	6.68	6.17	6.06
Bus Customer Accidents Per Million Customers ¹ Regional	1.22	1.26	1.29
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	4.19	3.55	3.58

¹ 12-month Average data from November through October.

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

Leading Indicators

Subways	November	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	28	355	340	104.4%
Joint Track Safety Audits -- Compliance Rate	98.9%	98.4%	100.0%	98.4%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	10,182	93,426	72,000	129.8%
Friction Pad Installation	9,507	103,344	50,000	206.7%
Buses	November	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System Pilot	48	276	339	81.4%
Vision Zero Employee Training	543	5,969	6,100	97.9%

November 2018 Safety Report

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

Performance Indicator				
Performance Indicator	12-Month Average			
	December 2015 - November 2016	December 2016 - November 2017	December 2017 - November 2018	
Customer Collisions Rate for Bridge Customers per Million Vehicles	7.43	8.07	6.56	
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.92	0.97	0.99	
Employee Accident Reports	253	250	271	
Employee Lost Time Injuries Rate per 200,000 worker hours	6.8	6.9	8.6	
Construction Injuries per 200,000 worker	1.97	1.40	1.45	

Leading Indicators				
Roadway Safety	2017		2018	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	86	926	4	361
Fleet Preventative Maintenance Insp.	133	1445	99	1499
Safety Taskforce Inspections	0	12	1	8
Construction Safety	November	Year End	November	Year to Date
Construction Safety Inspections	303	3384	183	2042
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	2	14	2	13
FDNY Liaison Visits	1	25	1	21

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 - October 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.23	1.1
Recordable Injury Rate	1.25	1.7

Performance Indicator - CM	Oct	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	210	2085	1920	109%
JHAT Audit	9	108	120	90%
Quarterly Safety Audit	0	15	20	75%
Bi Annual ACE Evaluation	0	12	10	120%
Safety Monthly Meeting	7	71	12	592%
Leading Indicators - Contractor	Oct	YTD	Goal	YTD as % of Goal
Training	44	345	160	216%
Toolbox Talks	41	683	500	137%
Site Inspections	120	1811	2940	62%
SWP Review/Audit	17	287	425	68%
New Employee Orientation	17	810	1500	54%
Emergency Preparedness	5	51	20	255%

For Cortlandt -October 2018

Performance		
Injury Rate	2017	2018 YTD
Lost Time Injury Rate per 200,000 worker hours	0.0	0.9
Recordable Injury Rate	0.0	7.9

Performance Indicator - CM	Oct	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	47	491	480	102%
JHAT Audit	2	20	24	83%
Quarterly Safety Audit	0	3	4	75%
Bi Annual ACE Evaluation	0	1	2	50%
Safety Monthly Meeting	11	169	180	94%
Leading Indicators - Contractor	Oct	YTD	Goal	YTD as % of Goal
Training	4	45	64	70%
Toolbox Talks	2	53	50	106%
Site Inspections	50	541	720	75%
SWP Review/Audit	2	32	45	71%
New Employee Orientation	2	85	100	85%
Emergency Preparedness	0	1	2	50%

October 2018 Safety Report

Performance				
Performance Indicator	12-Month Average			
	November 2015 - October 2016	November 2016 - October 2017	November 2017 - October 2018	
FRA Reportable Customer Accident Rate per Million Customers	1.25	0.86	0.78	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.92	2.93	2.48	
	2017		2018	
	October	Year to Date	October	Year to Date
Grade Crossing Incidents ¹	0	1	0	1
Mainline FRA Reportable Train Derailments	0	2	0	0
Mainline FRA Reportable Train Collisions	0	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	
	October	Year to Date	October	Year to Date
First Responders Trained	240	1,331	219	1,924
Employee Safety Training Courses	133	300	141	345
Employees Trained	1,540	6,326	2,049	6,253
Employee Safety Training Hours	24,645	231,071	23,960	250,966
Customer and Community: Focus on Grade Crossings	2017		2018	
	October	Year to Date	October	Year to Date
Broken Gates	1	20	3	26
MTA Police Details	111	1,227	74	1,104
Summons	32	547	58	589
Warnings	11	151	5	67
Community Education and Outreach	11,276	66,993	4,345	96,010
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	825	86.30%	
Passenger Compartment Cameras	1,085	796	73.36%	

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.

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

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

Summons - 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.

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

October 2018 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	November 2015 - October 2016	November 2016 - October 2017	November 2017 - October 2018		
FRA Reportable Customer Accident Rate per Million Customers	4.01	4.20	2.06		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.98	3.73	2.94		
		2017		2018	
		October	Year to Date	October	Year to Date
Grade Crossing Incidents ¹	0	11		0	7
Mainline FRA Reportable Train Derailments	0	1		0	1
Mainline FRA Reportable Train Collisions	0	1		0	3

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	
	October	Year to Date	October	Year to Date
First Responders Trained	130	1,362	95	1,929
Employee Safety Training Courses	90	598	86	868
Employees Trained	1,116	8,929	1,040	10,932
Employee Safety Training Hours	26,980	223,123	19,860	232,810
Customer and Community: Focus on Grade Crossings	October	Year to Date	October	Year to Date
Broken Gates	14	98	14	96
MTA Police Details	148	883	69	970
Summons	93	1,589	47	986
Warnings	85	736	20	426
Arrests	0	1	0	2
Community Education and Outreach	18,894	99,386	17,279	101,736
		Completed	Total	% Complete
Cameras on Rolling Stock	M7 (Cars)		228	27.27
	C3 Cab		23	100.00
	C3 Trailer		26	23.42
	DE/DM		1	2.22

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

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

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 October 2018

Statistical results for the 12-Month period are shown below

Safety Report			
Performance Indicators	12-Month Average		
	Nov 15 - Oct 16	Nov 16 - Oct 17	Nov 17 - Oct 18
Subways			
Subway Customer Accidents per Million Customers ¹	2.53	2.80	2.95
Subway Collisions ²	0	0	0
Subway Derailments ²	1	5	2
Subway Fires ²	925	936	937
Buses			
Bus Collisions Per Million Miles Regional	56.15	55.26	53.28
Bus Collision Injuries Per Million Miles Regional	6.40	6.45	5.83
Bus Customer Accidents Per Million Customers ¹ Regional	1.21	1.27	1.27
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	4.27	3.59	3.51

¹ 12-Month Average data from October through September.

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

Leading Indicators				
Subways	October	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	35	327	340	96.2%
Joint Track Safety Audits -- Compliance Rate	99.2%	98.4%	100.0%	98.4%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	8,848	83,244	72,000	115.6%
Friction Pad Installation	10,996	93,837	50,000	187.7%
Buses	October	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System Pilot	41	228	339	67.3%
Vision Zero Employee Training	580	5,426	6,100	89.0%

October 2018 Safety Report

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

Performance Indicator				
Performance Indicator	12-Month Average			
	November 2015 - October 2016	November 2016 - October 2017	November 2017 - October 2018	
Customer Collisions Rate for Bridge Customers per Million Vehicles	7.28	8.19	6.56	
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.92	0.98	0.98	
Employee Accident Reports	248	259	270	
Employee Lost Time Injuries Rate per 200,000 worker hours	6.8	6.7	8.5	
Construction Injuries per 200,000 worker	2.04	1.31	1.63	

Leading Indicators				
Roadway Safety	2017		2018	
	October	Year End	October	Year to Date
Workforce Development (# of Participants)	144	926	20	357
Fleet Preventative Maintenance Insp.	145	1445	204	1400
Safety Taskforce Inspections	1	12	2	7
Construction Safety	October	Year End	October	Year to Date
Construction Safety Inspections	329	3384	231	1859
Fire Safety	October	Year End	October	Year to Date
Fire Code Audits Completed	1	14	1	12
FDNY Liaison Visits	4	25	4	20

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.