



Metropolitan Transportation Authority

Safety Committee Meeting January 2020

Committee Members

P. Foye, Chair

S. Feinberg, Vice Chair

A. Albert

N. Brown

R. Linn

S. Metzger

J. Samuelsen

V. Tessitore

N. Zuckerman

Safety Committee Meeting

2 Broadway, 20th Floor

New York, NY 10004

Thursday, 1/23/2020

9:00 - 10:00 AM ET

1. Public Comments

2. Approval of Minutes - September 25, 2019

Safety Committee Minutes September - Page 3

3. Safety Committee Work Plan

2020 Safety Cmte Work Plan - Page 7

4. Safety Metrics

November

MNR Safety Report - Page 9

LIRR Safety Report - Page 10

NYCT Safety Report - Page 11

B & T Safety Report - Page 12

October

MNR Safety Report - Page 13

LIRR Safety Report - Page 14

NYCT Safety Report - Page 15

B & T Safety Report - Page 16

5. Safety Risk Management:

Suicide Prevention

NYCT Public Transportation Agency Safety Plan

Date of next meeting: April 2020

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

**Wednesday, September 25, 2019
9:00 AM**

The following members were present:

**Hon. Pat Foye, Chair
Hon. Sarah Feinberg
Hon. Andrew Albert
Hon. Susan Metzger
Hon. Vincent Tessitore
Hon. Robert Linn
Hon. Neal Zuckerman**

The following agency safety officers were present:

Patrick Warren, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Anne Kirsch, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Daria Luisi, Occupational Health Services (“MTAHQ”)
Robert Diehl, MTA New York City Transit (“NYCT”)
Loretta Ebbighausen, MTA Long Island Rail Road (“LIRR”)
Justin Vonashek, Metro-North Railroad (“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”); Janno Lieber, Chief Development Officer Metropolitan Transportation Authority (“MTA”); Cathy Rinaldi, President, Metro-North Railroad (“MNR”); Phillip Eng, President, Long Island Rail Road (“LIRR”); and Daniel DeCrescenzo, Acting President, Bridges and Tunnels (“B&T”) were also in attendance.

Chairman Foye chaired the September meeting, and called the meeting to order.

An automated safety briefing was provided.

PUBLIC SPEAKERS

There were two public speakers, Jason Pinero and Brian Burke.

APPROVAL OF MINUTES

Upon motion duly made and seconded, the minutes of the July 2019 Safety Committee were approved.

SAFETY COMMITTEE WORK PLAN

Chair Foye asked if there any changes to the work plan. Mr. Warren said there are no changes to the work plan.

Chair Foye turned it over to Patrick Warren to start the meeting briefing.

Before heading into the agenda Mr. Warren took a moment to note that Anne Kirsch, Senior Advisor, would be retiring after 34 years and thanked her for her service. Ms. Rinaldi also noted that on behalf of Metro-North that she would like to congratulate Ms. Kirsch and thank her for her years of service and wished her the best in her future endeavors.

SAFETY RISK MANAGEMENT: FATIGUE

Mr. Warren briefly went over the meeting's agenda and began with the topic of fatigue. 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. Warren turned the presentation over to Dr. Luisi to discuss the treatment of Obstructive Sleep Apnea ("OSA") and what we are doing at the MTA. 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.

Commissioner Zuckerman asked why we aren't done with the screening and when are we going to have it done. Mr. Warren stated he will get you an answer. Mr. Zuckerman states it needs to get done.

Ms. Kirsch gave some background information on the tiered approach to screening. Mr. Zuckerman just wants to know when the screening will be completed.

Mr. Warren stated he will work on getting the board an answer to Mr. Zuckerman's question.

Commissioner Tessitore asked if there would be an operational impact to accomplish all the screening.

Ms. Luisi said that Occupational Health Services ("OHS") works with operational planning to minimize any operational impact to the system.

Commissioner Albert asked about fail-safe devices in the trains (dead man controls). Mr. Vonashek stated Metro-North has those devices in place on Metro-North trains.

Dr. Luisi continued with the presentation on OSA and the components of the program that is in place today regarding screening, testing, diagnosis and follow up compliance data. 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.

Commissioner Zuckerman thanked Ms. Luisi for her presentation and then prompted a question to Commissioner Tessitore regarding physical condition and testing frequency of our workforce. Commissioner Tessitore responded to Commissioner Zuckerman's question and stated we have a dedicated workforce and that the agencies need to make sure they bring in the employees for mandated testing.

Commissioner Linn asked if we have employees operating equipment knowing that they have Sleep Apnea. Mr. Warren stated OSA is a treatable condition and once employees are treated

and cleared they are allowed to go back to work. Commissioner Linn asked if we know if they are complying. Mr. Warren stated that the MTA is a pioneer regarding the use of OSA screening and are really making a difference in our system.

Commissioner Feinberg stated that MTA has stepped up and while we have a way to go, the MTA is best in class for screening, testing and treating.

AGENCY STATISTICS

Mr. Warren stated we will now turn to the Safety Officers of the various agencies to discuss their agency statistics. Mr. Warren stated that soft tissue injuries cause the greatest loss in manpower and money. He introduced Lori Ebbighausen to discuss Long Island Rail Road safety statistics and some of their mitigation efforts. 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.

Commissioner Tessitore commented on the topic of the increase in assaults on MTA employees and that the MTA and this Board need to be mindful of the impact of assaults on frontline workers and perhaps we need political help from the District Attorney's office so our employees do not have to worry about getting home safely.

Ms. Ebbighausen continued to talk about soft tissue injuries and the demanding environment our employees work in. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the remainder of the speaker's presentation.

Mr. Justin Vonashek reviewed the Metro-North Railroad safety statistics. He also discussed soft tissue injuries and mitigation efforts. 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. Robert Diehl reviewed the New York City Transit safety statistics. 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.

Commissioner Zuckerman asked about the statistics on trespassing on the NYCT subway system.

Mr. Warren explained that there is a lot that the group is doing to reduce trespassing, specifically voluntary trespassing. Mr. Diehl went on to discuss soft tissue injuries and their mitigation efforts.

Commissioner Albert asked if Mr. Diehl can provide how long it takes an operator to stop the train if they see person on the tracks. Mr. Diehl stated he did not want to misspeak so he will get that information and provide it.

Commissioner Feinberg asked who we were are working with on the legislative front and what the asks are to address employee assaults. Mr. Diehl stated he will provide the package.

Mr. Kohner presented on MTACC safety statistics. 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.

Eric Osnes presented on Bridges & Tunnels (B&T) statistics and their activities at B&T 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.

Commissioner Feinberg asked Mr. Osnes to explain the relation of soft tissue injuries being related to the operation of vehicles. Mr. Osnes stated due to the introduction of Open Road Tolling the employees were spending more time inside vehicles rather than being on the toll plaza [introducing the potential to receive injuries getting in and out of vehicles].

ADJOURNMENT

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

2020 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

Responsibility

January 2020

Safety Policy	
- Approval of 2020 Work Plan	MTA Chief Safety Officer

Safety Risk Management	
- Agency Safety Statistics	Agency Safety Leads
- Suicide Prevention	Agency Safety Leads
- NYCT Public Transportation Agency Safety Plan	NYCT VP Safety & Security

April 2020

Safety Promotion	
- Agency Safety Statistics	Agency Safety Leads
- Safety Barometer Survey Action Planning	Safety & Emergency Management
	Agency Safety Leads
Safety Assurance	
- Grade Crossings FRA/NYSDOT Grant Work	Safety & Emergency Management

July 2020

Safety Risk Management	
- NTSB Recommendation Status Review	MTA Chief Safety Officer
- Agency Safety Statistics	Agency Safety Leads

Transformation

October 2020

Safety Policy	
- Family Assistance Center	MTA Chief Safety Officer
- Agency Safety Statistics	Agency Safety Leads
- Homeless Outreach Update	MTA Chief Safety Officer

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 2020

Safety Policy – Approval of the 2020 workplan

The committee will receive a discussion on the 2020 workplan and asked to approve.

Safety Risk Management

The committee will receive be briefed on the 2019 safety metrics.

April 2020

Safety Promotion

The committee will receive a briefing and discussion will be invited pertaining to the Safety Barometer Survey and the action planning committees.

Safety Assurance

The committee will receive a briefing pertaining to the efforts of improving grade crossing safety through a FRA/NYS DOT Grant.

July 2020

Safety Risk Management

The committee will receive a midyear report on the 2020 safety metrics. The committee will also receive a status on NTSB recommendations.

October 2020

Safety Policy

The committee will receive an update on 2020 safety metrics from the agency safety leads. The chief safety officer will brief on Homeless Outreach activities and Family Assistance Center.

November 2019 Safety Report

Performance				
Performance Indicator	12-Month Average			
	December 2016 - November 2017	December 2017 - November 2018	December 2018 - November 2019	
FRA Reportable Customer Accident Rate per Million Customers	0.94	1.13	0.94	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.93	2.44	2.12	
	2018		2019	
	November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	1	2	0	2
Mainline FRA Reportable Train Derailments	0	0	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	2018		2019	
	November	Year to Date	November	Year to Date
First Responders Trained	98	2,022	161	1,874
Employee Safety Training Courses	148	368	139	327
Employees Trained	1,750	6,516	1,956	6,415
Employee Safety Training Hours	19,114	278,464	15,004	261,813
Customer and Community: Focus on Grade Crossings	2018		2019	
	November	Year to Date	November	Year to Date
Broken Gates	1	27	1	27
MTA Police Details	67	1,171	44	642
Summons	28	617	54	541
Warnings	0	67	18	131
Community Education and Outreach	3,510	99,520	4,394	108,541
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
	Inward / Outward Facing Cab Cameras	956	956	100.00%
Passenger Compartment Cameras	1,085	1,079	99.45%	

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 2019 Safety Report

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

Performance				
Performance Indicator	12-Month Average			
	December 2016 - November 2017	December 2017 November 2018	December 2018 - November 2019	
	FRA Reportable Customer Accident Rate per Million Customers	4.44	2.12	2.24
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.79	2.88	3.28	
2018				
2019				
	November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	0	7	0	9*
Mainline FRA Reportable Train Derailments	0	1	1	2
Mainline FRA Reportable Train Collisions	0	3	0	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.

* 02/26/2019 School Street is counted as one event, but was reported as two for FRA 49 225 reporting purposes

** 05/25/2019 Speonk Collision is counted as one event, but was reported as two for FRA 49 225 reporting purposes

Focus on Safety Training	2018		2019	
	November	Year to Date	November	Year to Date
First Responders Trained	110	2,039	325	1,829
Employee Safety Training Courses	68	936	83	1,015
Employees Trained	1,051	11,983	1,170	12,428
Employee Safety Training Hours	16,231	249,041	19,233	239,727
Customer and Community: Focus on Grade Crossings	November	Year to Date	November	Year to Date
Broken Gates	15	113	10	121
MTA Police Details	68	1,039	58	1,106
Summons	150	1,136	143	1,679
Warnings	93	519	54	713
Arrests	0	2	0	5
Community Education and Outreach	6,582	108,320	11,035	117,848
	Completed		Total	% Complete
Cameras on Rolling Stock	M7 (Cars)		726	87
	C3 Cab		23	100
	C3 Trailer		92	83
	DE/DM		31	69

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.

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 2019

Statistical results for the 12-Month period are shown below

Safety Report			
Performance Indicators	12-Month Average		
	Dec 16 - Nov 17	Dec 17 - Nov 18	Dec 18 - Nov 19
Subways			
Subway Customer Accidents per Million Customers ¹	2.82	2.96	2.93
Subway Collisions ²			
Total	0	3	1
Mainline	0	0	0
Yard	0	3	1
Subway Derailments ²			
Total	10	4	5
Mainline	6	1	1
Yard	4	3	4
Subway Fires ²	927	940	699
Buses			
Bus Collisions Per Million Miles Regional	55.23	53.58	54.15
Bus Collision Injuries Per Million Miles Regional	6.17	6.05	6.09
Bus Customer Accidents Per Million Customers ¹ Regional	1.26	1.29	1.50
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.60	3.74	3.96

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	26	347	340	102.1%
Joint Track Safety Audits -- Compliance Rate	99.3%	98.7%	100.0%	98.7%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	2,310	78,653	47,520	165.5%
Friction Pad Installation	3,889	71,496	33,500	213.4%
Buses	November	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	15	616	630	97.8%
Vision Zero Employee Training	577	6,204	6,200	100.1%

Safety Report November 2019

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

Performance Indicator				
Performance Indicator	12-Month Average			
	December 2016 - November 2017	December 2017 - November 2018	December 2018 - November 2019	
Customer Collisions Rate per Million Vehicles	8.08	6.56	6.29	
Customer Injury Collisions Rate per Million Vehicles	0.98	0.99	0.90	
Employee Accident Reports	251	278	192	
Employee Lost Time Injuries Rate per 200,000 Hours Worked	6.9	8.7	5.7	
Construction Injuries per 200,000 Hours Worked	1.40	1.45	2.39	
Leading Indicators				
Roadway Safety	2018		2019	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	4	385	10	429
Fleet Preventative Maintenance Insp.	99	1626	82	1467
Safety Taskforce Inspections	1	13	1	10
Construction Safety	November	Year End	November	Year to Date
Construction Safety Inspections	183	2271	144	2235
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	2	14	2	14
FDNY Liaison Visits	1	29	0	31

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

October 2019 Safety Report

Performance				
Performance Indicator	12-Month Average			
	November 2016 - October 2017	November 2017 - October 2018	November 2018 - October 2019	
FRA Reportable Customer Accident Rate per Million Customers	0.98	1.03	0.93	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.94	2.47	2.08	
	2018		2019	
	October	Year to Date	October	Year to Date
Grade Crossing Incidents ¹	0	1	0	2
Mainline FRA Reportable Train Derailments	0	0	0	0
Mainline FRA Reportable Train Collisions	0	0	0	0

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Leading Indicators				
Safety Training	2018		2019	
	October	Year to Date	October	Year to Date
First Responders Trained	219	1,924	243	1,713
Employee Safety Training Courses	141	345	135	315
Employees Trained	2,049	6,253	1,874	6,167
Employee Safety Training Hours	23,960	250,966	23,172	242,631
Customer and Community: Focus on Grade Crossings	2018		2019	
	October	Year to Date	October	Year to Date
Broken Gates	3	26	1	26
MTA Police Details	74	1,104	37	598
Summons	58	589	24	487
Warnings	5	67	10	113
Community Education and Outreach	4,345	96,010	5,616	104,147
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	956	100.00%	
Passenger Compartment Cameras	1,085	1,069	98.53%	

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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 2019 Safety Report

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

Performance				
Performance Indicator	12-Month Average			
	November 2016 - October 2017	November 2017 - October 2018	November 2018 - October 2019	
FRA Reportable Customer Accident Rate per Million Customers	4.19	2.08	2.06	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.73	2.97	3.18	
	2018		2019	
	October	Year to Date	October	Year to Date
Grade Crossing Incidents ¹	1	7	0	9*
Mainline FRA Reportable Train Derailments	0	1	1	1
Mainline FRA Reportable Train Collisions	0	3	0	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.

* 02/26/2019 School Street is counted as one event, but was reported as two for FRA 49 225 reporting purposes

** 05/25/2019 Speonk Collision is counted as one event, but was reported as two for FRA 49 225 reporting purposes

Leading Indicators				
Focus on Safety Training	2018		2019	
	October	Year to Date	October	Year to Date
First Responders Trained	95	1,929	251	1,504
Employee Safety Training Courses	86	868	97	932
Employees Trained	1,040	10,932	1,450	11,258
Employee Safety Training Hours	19,860	232,810	26,662	220,494
Customer and Community: Focus on Grade Crossings	October	Year to Date	October	Year to Date
Broken Gates	14	96	13	111
MTA Police Details	69	970	84	1,048
Summons	47	986	155	1,536
Warnings	20	426	80	659
Arrests	0	2	0	5
Community Education and Outreach	17,279	101,736	21,951	106,813
	Completed		Total	% Complete
Cameras on Rolling Stock	M7 (Cars)		708	85
	C3 Cab		23	100
	C3 Trailer		88	79
	DE/DM		29	64

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

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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 2019

Statistical results for the 12-Month period are shown below

Safety Report			
Performance Indicators	12-Month Average		
	Nov 16 - Oct 17	Nov 17 - Oct 18	Nov 18 - Oct 19
Subways			
Subway Customer Accidents per Million Customers ¹	2.80	2.97	2.95
Subway Collisions ²			
Total	0	3	1
Mainline	0	0	0
Yard	0	3	1
Subway Derailments ²			
Total	8	6	5
Mainline	5	2	1
Yard	3	4	4
Subway Fires ²	935	937	706
Buses			
Bus Collisions Per Million Miles Regional	55.25	53.33	54.41
Bus Collision Injuries Per Million Miles Regional	6.45	5.83	6.21
Bus Customer Accidents Per Million Customers ¹ Regional	1.27	1.27	1.49
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.64	3.67	3.92

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	38	321	340	94.4%
Joint Track Safety Audits -- Compliance Rate	99.4%	98.6%	100.0%	98.6%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	4,439	76,343	47,520	160.7%
Friction Pad Installation	3,482	67,607	33,500	201.8%
Buses	October	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	23	601	630	95.4%
Vision Zero Employee Training	524	5,627	6,200	90.8%

Safety Report October 2019

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

Performance Indicator				
Performance Indicator	12-Month Average			
	November 2016 - October 2017	November 2017 - October 2018	November 2018 - October 2019	
Customer Collisions Rate per Million Vehicles	8.20	6.56	6.35	
Customer Injury Collisions Rate per Million Vehicles	0.99	0.98	0.89	
Employee Accident Reports	259	278	193	
Employee Lost Time Injuries Rate per 200,000 Hours Worked	6.7	8.8	5.5	
Construction Injuries per 200,000 Hours Worked	1.31	1.63	2.40	
Leading Indicators				
Roadway Safety	2018		2019	
	October	Year End	October	Year to Date
Workforce Development (# of Participants)	20	385	15	419
Fleet Preventative Maintenance Insp.	204	1626	152	1385
Safety Taskforce Inspections	2	13	1	6
Construction Safety	October	Year End	October	Year to Date
Construction Safety Inspections	231	2271	199	2091
Fire Safety	October	Year End	October	Year to Date
Fire Code Audits Completed	1	14	1	12
FDNY Liaison Visits	12	29	11	31

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