



Metropolitan Transportation Authority

Safety Committee Meeting April 2019

Safety Committee Meeting

2 Broadway, 20th Floor Board Room

New York, NY 10004

Wednesday, 4/17/2019

8:00 - 8:45 AM ET

1. Public Comments

2. Approval of Minutes - January 24, 2019

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3. Safety Committee Work Plan

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4. Safety Metrics

February

MTACC Safety Metrics - Page 9

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LIRR Safety Metrics - Page 11

NYCT Safety Metrics - Page 12

B & T Safety Metrics - Page 13

January

MTACC Safety Metrics - Page 14

MNR Safety Metrics - Page 15

LIRR Safety Metrics - Page 16

NYCT Safety Metrics - Page 17

B & T Safety Metrics - Page 18

5. Safety Assurance: Grade Crossing Safety

6. Bridge Closure Planning and Procedures

7. Carnarsie Tunnel Rehabilitation Safety Update

Next Meeting: July 2019

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

**Thursday, January 24, 2019
8:00 AM**

The following members were present:

**Hon. Fernando Ferrer, Chair
Hon. Mitchell Pally
Hon. Andrew Albert
Hon. Norman Brown
Hon. Vincent Tessitore
Hon. Neal Zuckerman**

The following agency safety officers were present:

Patrick Warren, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Robert Diehl, MTA New York City Transit, (“NYCT”)
Carl Hamann, MTA New York City Transit, (“NYCT”)
Vinnie Serano, MTA New York City Transit-Buses, (“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”), Janno Lieber, Chief Development Officer, Metropolitan Transportation Authority, Catherine Rinaldi, President, Metro-North Railroad (“MNR”), Phillip Eng, President, Long Island Rail Road (“LIRR”), Andy Byford, President, NY Transit (“NYCT”) and Daniel DeCrescenzo, Acting President, Bridges and Tunnels (“B&T”) were also in attendance.

Chairman Ferrer chaired the January meeting, and called the meeting to order.

PUBLIC SPEAKERS

There were no public speakers.

APPROVAL OF MINUTES

Upon motion duly made and seconded, the minutes of the October 22, 2018 Safety Committee were approved.

SAFETY COMMITTEE WORK PLAN

Chairman Ferrer asked if there any changes to the work plan. Mr. Warren said that were no changes, however we are submitting the 2019 Work Plan to the committee for review and it can be found on page 5 of their book.

Ms. Kirsch provided a safety briefing for those in attendance, in the event of an emergency.

SAFETY RISK MANAGEMENT: AGENCY LEADS

Mr. Warren opened with remarks covering the topics which he and the agency leads will cover in the meeting. He introduced the presentation with some National Passenger Rail FRA trespasser statistics which indicated an increase in trespasser fatalities across the national rail network. 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. Albert asked what the term "trespassing" represented in terms of his presentation as well as what mode of rail the statistics represented. Mr. Warren stated that in this case it is people on rights of way for commuter rail.

Mr. Zuckerman asked a question regarding the trespassing statistics and the math behind them. Mr. Warren stated a lot of effort has already been put in place to deter trespassing and stated in this case the statistics are looking at trespasser injuries and fatalities and there are many other trespasser incidents not covered in these slides.

Mr. Warren introduced Ms. Ebbighausen to present on LIRR 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.

Mr. Albert asked if the LIRR involved schools in their suicide prevention campaigns. Ms. Ebbighausen stated their TRACKS program along with MTAPD does extensive outreach with schools throughout the system. Mr. Albert asked if specific locations had experienced repeat occurrences and if hardening had been completed at these locales. Ms. Ebbighausen responded that they did preform a study and found no pattern but do target certain locales.

Mr. Zuckerman asked a question about fencing to harden certain problem locales and whether Safety would recommend more fencing. Ms. Ebbighausen stated they have looked at incidents using an algorithm to calculate risk and fence installation. Based on the level of risk they make recommendations for possible fence installation. Mr. Zuckerman asked that LIRR provide the committee with that risk data. Mr. Warren took Mr. Zuckerman's point regarding fencing stating the MTA will work on the matter.

Mr. Vonashek presented on MNR trespasser statistics and what they're doing to combat these 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.

Mr. Albert asked about "right of way" vs. "bridge over tracks" regarding attempted suicide. Mr. Vonashek responded that we have not had any suicides off a bridge, however if we did he could provide those statistics.

Mr. Diehl presented on NYC Transit Subway 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.

Mr. Diehl turned the floor over to Mr. Serano to present on NYC Transit Buses. 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. Pally asked why a large number of incidents occur outside the station.

Mr. Diehl discussed the topic of the homeless in the system or customers that may have had too much to drink. Please refer to the video recording of the meeting produced by the MTA for the detailed response.

Mr. Brown asked if they have studied how many of the trespass incidents are "urine" related. Mr. Diehl responded he does not have the stats readily available but recognized it does exist.

Mr. Byford also responded to Mr. Brown's comments about available bathrooms in the transit system. Mr. Byford stated MTA is using a data driven and intelligence lead approach to tackle this prevalent problem with people accessing the tracks for such acts.

Mr. Ferrer thanked Mr. Byford for his comments and looks forward to seeing more on this topic.

Mr. Albert asked about incidents where trespassers may be entering the system to cause the system harm/damage and he asked about the Tunnel Intrusion System which has been talked about for years.

Mr. Ferrer asked Mr. Warren to provide an update on any such intrusion system once he has the information.

Mr. Osnes presented MTA Bridges & Tunnels 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. There were no questions on Mr. Osnes presentation.

Mr. Kohner presented MTA Capital Construction 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.

SAFETY POLICY: NEW FTA SMS REQUIREMENT

Mr. Warren asked Mr. Diehl to discuss the new FTA requirement regarding Safety Management System ("SMS"). 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. Diehl and Mr. Warren highlighted that the SMS plan must be approved by MTA management and MTA board by July 2020.

Mr. Zuckerman stated to Mr. Warren that he believed his predecessor had implemented SMS at the MTA. Mr. Warren responded that while many of the agencies are basically using this paradigm he wanted to highlight the requirement from the FTA and the direct impact on the board.

ADJOURNMENT

Chairman Ferrer 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

April 2019

Safety Assurance	
- Grade Crossing Improvements	Safety & Emergency Management

July 2019

Safety Promotion	
- Mass notification implementation	Safety & Emergency Management
- Preparedness drills	
- Homeless outreach update	

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 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.

April 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. The Committee will also receive an update on the Homeless Outreach Program.

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 - February 2019

Performance		
Injury Rate	2018	2019 YTD
Lost Time Injury Rate per 200,000 worker hours	1.02	0.9
Recordable Injury Rate	1.95	1.7

Performance Indicator - CM	Feb	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	211	442	1920	23%
JHAT Audit	7	18	120	15%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	7	14	12	117%
Leading Indicators - Contractor	Feb	YTD	Goal	YTD as % of Goal
Training	35	92	160	58%
Toolbox Talks	28	57	500	11%
Site Inspections	175	369	2940	13%
SWP Review/Audit	40	93	425	22%
New Employee Orientation	103	202	1500	13%
Emergency Preparedness	4	10	20	50%

February 2019 Safety Report

Performance				
Performance Indicator	12-Month Average			
	March 2016 - February 2017	March 2017 - February 2018	March 2018 - February 2019	
FRA Reportable Customer Accident Rate per Million Customers	1.15	0.87	0.76	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.74	2.98	2.43	
	2018		2019	
	February	Year to Date	February	Year to Date
Grade Crossing Incidents ¹	0	1	0	0
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	
	February	Year to Date	February	Year to Date
First Responders Trained	183	227	56	153
Employee Safety Training Courses	128	202	132	172
Employees Trained	1,339	2,478	1,447	2,391
Employee Safety Training Hours	19,581	50,274	30,469	54,373
Customer and Community: Focus on Grade Crossings	2018		2019	
	February	Year to Date	February	Year to Date
Broken Gates	0	5	1	2
MTA Police Details	117	208	74	139
Summons	23	50	79	121
Warnings	0	0	17	20
Community Education and Outreach	8,910	10,095	15,485	20,280
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	948	99.16%	
Passenger Compartment Cameras	1,085	931	85.81%	

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.

February 2019 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	March 2016- February 2017	March 2017- February 2018	March 2018 - February 2019		
	FRA Reportable Customer Accident Rate per Million Customers	4.28	2.82	1.79	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.26	3.64	2.70		
	2018		2019		
	February	Year to Date	February	Year to Date	
Grade Crossing Incidents ¹	0	1	1*	4	
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.

* One event resulted in 2 FRA required reports.

Leading Indicators				
Focus on Safety Training	2018		2019	
	February	Year to Date	February	Year to Date
First Responders Trained	194	282	43	122
Employee Safety Training Courses	76	146	76	177
Employees Trained	997	1945	1,058	2,195
Employee Safety Training Hours	22,356	41,839	20,938	45,524
Customer and Community:	February	Year to Date	February	Year to Date
Broken Gates	7	14	9	16
MTA Police Details	106	230	70	135
Summons	117	199	162	288
Warnings	37	80	40	92
Arrests	0	0	0	1
Community Education and Outreach	8,540	17,066	10,089	18,513
	Completed		Total	% Complete
Cameras on Rolling Stock	M7		408	48.80
	C3 Cab		23	100.00
	C3 Trailer		50	45.04
	DE/DM		1	2.22

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 February 2019

Statistical results for the 12-Month period are shown below

Safety Report

Performance Indicators	12-Month Average		
	Mar 16 - Feb 17	Mar 17 - Feb 18	Mar 18 - Feb 19
Subways			
Subway Customer Accidents per Million Customers ¹	2.58	2.92	2.88
Subway Collisions ²			
Total	0	2	1
Mainline	0	0	0
Yard	0	2	1
Subway Derailments ²			
Total	5	7	4
Mainline	3	4	0
Yard	2	3	4
Subway Fires ²	952	976	806
Buses			
Bus Collisions Per Million Miles Regional	55.92	54.96	53.91
Bus Collision Injuries Per Million Miles Regional	6.50	6.10	6.07
Bus Customer Accidents Per Million Customers ¹ Regional	1.27	1.23	1.36
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.99	3.68	3.56

¹ 12-month Average data from February through January.

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

Leading Indicators

Subways	February	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	32	68	340	20.0%
Joint Track Safety Audits -- Compliance Rate	99.1%	98.9%	100.0%	98.9%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	9,386	17,421	47,520	36.7%
Friction Pad Installation	11,738	17,851	33,500	53.3%
Buses	February	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System	47	84	630	13.3%
Vision Zero Employee Training	576	1,152	6,200	18.6%

February 2019 Safety Report

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

Performance Indicator				
Performance Indicator	12-Month Average			
	March 2016 - February 2017	March 2017 - February 2018	March 2018 - February 2019	
Customer Collisions Rate for Bridge Customers per Million Vehicles	7.64	7.76	6.54	
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.90	0.94	1.01	
Employee Accident Reports	268	242	266	
Employee Lost Time Injuries Rate per 200,000 worker hours	6.6	8.0	7.8	
Construction Injuries per 200,000 worker	1.96	1.43	1.23	
Leading Indicators				
Roadway Safety	2018		2019	
	February	Year End	February	Year to Date
Workforce Development (# of Participants)	181	385	34	180
Fleet Preventative Maintenance Insp.	107	1626	76	254
Safety Taskforce Inspections	0	13	0	0
Construction Safety	February	Year End	February	Year to Date
Construction Safety Inspections	149	2271	191	433
Fire Safety	February	Year End	February	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	0	29	0	1

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 2019

Performance		
Injury Rate	2018	2019 YTD
Lost Time Injury Rate per 200,000 worker hours	1.02	0.9
Recordable Injury Rate	1.95	1.7

Performance Indicator - CM	Jan	YTD	Goal	YTD as % of Goal
Daily Safety Walkthrough	231	231	1920	12%
JHAT Audit	11	11	120	9%
Quarterly Safety Audit	0	0	20	0%
Bi Annual ACE Evaluation	0	0	10	0%
Safety Monthly Meeting	7	7	12	58%
Leading Indicators - Contractor	Jan	YTD	Goal	YTD as % of Goal
Training	57	57	160	36%
Toolbox Talks	29	29	500	6%
Site Inspections	194	194	2940	7%
SWP Review/Audit	53	56	425	13%
New Employee Orientation	99	99	1500	7%
Emergency Preparedness	6	6	20	30%

January 2019 Safety Report

Performance				
Performance Indicator	12-Month Average			
	February 2016 - January 2017	February 2017 - January 2018	February 2018 - January 2019	
FRA Reportable Customer Accident Rate per Million Customers	1.21	0.87	0.78	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.73	3.05	2.45	
	2018		2019	
	January	Year to Date	January	Year to Date
Grade Crossing Incidents ¹	1	1	0	0
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	
	January	Year to Date	January	Year to Date
First Responders Trained	44	44	97	97
Employee Safety Training Courses	157	157	118	118
Employees Trained	1,589	1,589	1,382	1,382
Employee Safety Training Hours	18,539	18,539	16,831	16,831
Customer and Community: Focus on Grade Crossings	2018		2019	
	January	Year to Date	January	Year to Date
Broken Gates	5	5	1	1
MTA Police Details	91	91	65	65
Summons	27	27	42	42
Warnings	0	0	3	3
Community Education and Outreach	1,185	1,185	4,795	4,795
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	941	98.43%	
Passenger Compartment Cameras	1,085	909	83.78%	

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.

January 2019 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	February 2016 - January 2017	February 2017 - January 2018	February 2018 - January 2019		
FRA Reportable Customer Accident Rate per Million Customers	4.47	2.93	1.83		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.10	3.79	2.65		
		2018		2019	
		January	Year to Date	January	Year to Date
Grade Crossing Incidents ¹	1	1	3	3	
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				
Focus on Safety Training	2018		2019	
	January	Year to Date	January	Year to Date
First Responders Trained	42	42	79	79
Employee Safety Training Courses	69	69	101	101
Employees Trained	992	992	1,137	1,137
Employee Safety Training Hours	21,005	21,005	24,586	24,586
Customer and Community:	January 2018	Year to Date	January 2019	Year to Date
Broken Gates	7	7	7	7
MTA Police Details	124	124	65	65
Summons	82	82	126	126
Warnings	43	43	52	52
Arrests	0	0	1	1
Community Education and Outreach	8,026	8,026	8,424	8,424
		Completed	Total	% Complete
Cameras on Rolling Stock	M7		362	43.30
	C3 Cab		23	100.00
	C3 Trailer		44	39.63
	DE/DM		1	2.22

Definitions:

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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 January 2019

Statistical results for the 12-Month period are shown below

Safety Report				
Performance Indicators		12-Month Average		
		Feb 16 - Jan 17	Feb 17 - Jan 18	Feb 18 - Jan 19
Subways				
Subway Customer Accidents per Million Customers ¹		2.54	2.89	2.96
Subway Collisions ²				
Total		0	2	1
Mainline		0	0	0
Yard		0	2	1
Subway Derailments ²				
Total		5	8	3
Mainline		4	4	0
Yard		1	4	3
Subway Fires ²		969	967	839
Buses				
Bus Collisions Per Million Miles Regional		56.16	55.20	53.46
Bus Collision Injuries Per Million Miles Regional		6.51	6.03	6.00
Bus Customer Accidents Per Million Customers ¹ Regional		1.26	1.24	1.36
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹		4.08	3.64	3.62

¹ 12-month Average data from January through December.

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

Leading Indicators				
Subways	January	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	36	36	340	10.6%
Joint Track Safety Audits -- Compliance Rate	98.8%	98.8%	100.0%	98.8%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	8,035	8,035	47,520	16.9%
Friction Pad Installation	6,113	6,113	33,500	18.2%
Buses	January	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Warning System	37	37	630	5.9%
Vision Zero Employee Training	576	576	6,200	9.3%



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

Performance Indicator				
Performance Indicator	12-Month Average			
	February 2016 - January 2017	February 2017 - January 2018	February 2018 - January 2019	
Customer Collisions Rate for Bridge Customers per Million Vehicles	7.59	7.83	6.54	
Customer Injury Collisions Rate for Bridge Customers per Million Vehicles	0.88	0.94	0.99	
Employee Accident Reports	274	230	270	
Employee Lost Time Injuries Rate per 200,000 worker hours	6.7	7.1	8.5	
Construction Injuries per 200,000 worker	1.84	1.41	1.59	
Leading Indicators				
Roadway Safety	2018		2019	
	January	Year End	January	Year to Date
Workforce Development (# of Participants)	30	385	146	146
Fleet Preventative Maintenance Insp.	158	1626	178	178
Safety Taskforce Inspections	0	13	0	0
Construction Safety	January	Year End	January	Year to Date
Construction Safety Inspections	158	2271	242	242
Fire Safety	January	Year End	January	Year to Date
Fire Code Audits Completed	0	14	0	0
FDNY Liaison Visits	0	29	1	1

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.