



Metropolitan Transportation Authority

Safety Committee Meeting January 2021

Committee Members

P. Foye, Chair

A. Albert

N. Brown

L. Cortes-Vazquez

M. Fleischer

R. Herman

K. Law

R. Linn

H. Mihaltses

J. Samuelson

V. Tessitore

N. Zuckerman

Safety Committee Meeting
2 BROADWAY 20TH FLOOR BOARD ROOM
NEW YORK, NY
Thursday, 1/21/2021
10:00 AM - 5:00 PM ET

1. Public Comments

2. Approval of Minutes -

Committee Minutes - Page 3

3. Safety Committee Work Plan

2021 Safety Committee Work Plan - Page 4

4. Safety Metrics

November

MNR Safety Metrics - Page 6

LIRR Safety Metrics - Page 7

NYCT Safety Metrics - Page 8

B&T Safety Metrics - Page 9

October

MNR Safety Metrics - Page 10

LIRR Safety Metrics - Page 11

NYCT Safety Metrics - Page 12

B&T Safety Metrics - Page 13

5. Safety Risk Management: COVID-19 Update

Date of Next Meeting: April 2021

Minutes of the Joint MNR/LIRR Committee Meeting
October 2020
2 Broadway, 20th Floor Board Room
New York, NY 10004

Because of the ongoing COVID-19 public health crisis, the MTA Chairman convened a one-day, virtual Board and Committee meeting session on October 28, 2020, which included the following committees:

- Long Island Rail Road and Metro-North Railroad;
- New York City Transit;
- MTA Bridges and Tunnels;
- Finance;
- Audit
- Safety; and
- Capital Program Oversight Committee.

To see a summary of the meeting and the actions taken by the Joint MNR/LIRR Committee, please refer to the October 28, 2020 Board minutes in the October Board Book available here on the Board materials website: <https://new.mta.info/transparency/board-and-committee-meetings/October-2020>

2021 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 2021

Safety Policy

- Approval of 2021 Work Plan

MTA Chief Safety Officer

Safety Risk Management

- Agency Safety Statistics
- COVID-19 Update

Agency Safety Leads
MTA Chief Safety Officer

April 2021

Safety Promotion

- Agency Safety Statistics

Agency Safety Leads

Safety Risk Management

- Transformation

MTA Chief Safety Officer

July 2021

Safety Risk Management

- NTSB Recommendation Status Review
- Agency Safety Statistics
- Drug & Alcohol Program Overview

MTA Chief Safety Officer
Agency Safety Leads
MTA Corporate Health Officer

October 2021

Safety Policy

- Agency Safety Statistics
- Homeless Outreach Update

Agency Safety Leads
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 2021

Safety Policy – Approval of the 2021 workplan

The committee will receive a discussion on the 2021 workplan and asked to approve.

Safety Risk Management

The committee will receive 2020 safety metrics and the continuing Covid-19 related efforts.

April 2021

Safety Promotion & Safety Risk Management

The committee will receive updated safety metrics and a briefing on Transformation.

July 2021

Safety Risk Management

The committee will receive a midyear report on safety metrics as well as a briefing on NTSB recommendations and an overview of the drug and alcohol program.

October 2021

Safety Policy

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

November 2020 Safety Report

Performance				
Performance Indicator	12-Month Average			
	December 2017 - November 2018	December 2018 - November 2019	December 2019 - November 2020	
FRA Reportable Customer Accident Rate per Million Customers	1.13	1.10	1.06	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.45	2.15	2.04	
	2019		2020	
	November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	0	2	0	1
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	2019		2020	
	November	Year to Date	November	Year to Date
First Responders Trained	161	1,874	78	1,186
Employee Safety Training Courses	139	327	104	317
Employees Trained	1,956	6,415	2,494	5,743
Employee Safety Training Hours	15,004	261,813	20,033	205,946
Customer and Community: Focus on Grade Crossings	2019		2020	
	November	Year to Date	November	Year to Date
Broken Gates	1	27	4	20
MTA Police Details	44	642	16	216
Summons	54	541	90	607
Warnings	18	131	37	193
Community Education and Outreach*	4,394	108,541	895	53,086
Cars Equipped with Cameras	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	956	100.00%	
Passenger Compartment Cameras	1,084	1,084	100.00%	

*Due to the COVID-19 pandemic, community outreach events are held virtually, as a result 2020 numbers are lower than previous years.

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 2020 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	December 2017 - November 2018	December 2018 - November 2019	December 2019 - November 2020		
FRA Reportable Customer Accident Rate per Million Customers	2.12	2.28	5.07		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.90	3.38	3.41		
		2019		2020	
		November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	0	9*	1	5	
Mainline FRA Reportable Train Derailments	1	2	0	1	
Mainline FRA Reportable Train Collisions	0	1**	0	1	

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* 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	2019		2020	
	November	Year to Date	November	Year to Date
First Responders Trained	325	1,829	94	508
Employee Safety Training Courses	83	1,015	75	740
Employees Trained	1,170	12,428	793	7,231
Employee Safety Training Hours	19,233	239,727	12,972	148,107
Customer and Community: Focus on Grade Crossings	November	Year to Date	November	Year to Date
Broken Gates	10	121	10	70
MTA Police Details	58	1,106	96	629
Summons	143	1,679	351	2,441
Warnings	54	713	126	853
Arrests	0	5	0	0
Community Education and Outreach	11,035	117,848	2,625	30,133
Community Education and Outreach Social Media			70,520	202,381
		Completed	Total	% Complete
Cameras on Rolling Stock	M7 (Cars)	826	99	
	C3 Cab	23	100	
	C3 Trailer	111	100	
	DE/DM	42	93	

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 2020

Statistical results for the 12-Month period are shown below

Safety Report				
Performance Indicators	12-Month Average			
	Dec 17 - Nov 18	Dec 18 - Nov 19	Dec 19 - Nov 20	
Subways				
Subway Customer Accidents per Million Customers ¹	2.96	2.95	3.81	
Subway Collisions ²				
Total	3	1	2	
Mainline	0	0	0	
Yard	3	1	2	
Subway Derailments ²				
Total	4	5	10	
Mainline	1	1	5	
Yard	3	4	5	
Subway Fires ²	940	699	884	
Buses				
Bus Collisions Per Million Miles Regional	53.58	54.41	41.99	
Bus Collision Injuries Per Million Miles Regional	6.05	6.11	4.72	
Bus Customer Accidents Per Million Customers ¹ Regional*	1.29	1.49	1.62	
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.78	4.14	5.19	

¹ 12-month Average data from November through October.

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

* = Due to the implementation of rear door boarding and suspension of fare collection to protect frontline employees from the spread of COVID-19, AFC (MetroCard and OMNY) was not used from March 23, 2020, to August 31, 2020, to determine ridership. During this time, ridership was estimated using Automated Passenger Counter (APC) data.

Leading Indicators				
Subways	November	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	16	280	340	82.4%
Joint Track Safety Audits -- Compliance Rate	94.3%	98.9%	100.0%	98.9%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	3,100	20,796	47,520	43.8%
Friction Pad Installation	1,340	17,436	55,650	31.3%
Buses	November	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System**	0	25	40	62.5%
Vision Zero Employee Training	479	3,755	6,200	60.6%

** = No additional new buses are expected to be received for the remainder of 2020. As such, future months will likely show "0" for this metric until year's end.

November 2020 Safety Report

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

Performance Indicator			
Performance Indicator	12-Month Average		
	December 2017 - November 2018	December 2018 - November 2019	December 2019 - November 2020
Customer Collisions Rate per Million Vehicles	6.56	6.30	4.34
Customer Injury Collisions Rate per Million Vehicles	0.99	0.90	0.72
Employee Accident Reports	278	194	137
Employee Lost Time Injuries Rate per 200,000 Hours Worked	8.7	5.7	5.0
Construction Injuries per 200,000 Hours Worked	1.45	2.35	2.06

Leading Indicators				
Roadway Safety	2019		2020	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	10	429	13	262
Fleet Preventative Maintenance Insp.	82	1608	129	1332
Safety Taskforce Inspections	1	13	0 *	0 *
Construction Safety	November	November	November	Year to Date
Construction Safety Inspections	144	2381	128	1544
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	2	15	0	14
FDNY Liaison Visits	0	32	4	12

* Safety Manager evaluations at each B&T facility supersedes task force inspections due to COVID 19.

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 2020 Safety Report

Performance				
Performance Indicator	12-Month Average			
	November 2017 - October 2018	November 2018 - October 2019	November 2019 - October 2020	
FRA Reportable Customer Accident Rate per Million Customers	1.03	1.09	1.03	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.48	2.16	2.10	
	2019		2020	
	October	Year to Date	October	Year to Date
Grade Crossing Incidents ¹	0	2	0	1
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	2019		2020	
	October	Year to Date	October	Year to Date
First Responders Trained	243	1,713	137	1,108
Employee Safety Training Courses	135	315	116	309
Employees Trained	1,874	6,167	1,865	5,305
Employee Safety Training Hours	23,172	242,631	21,861	185,930
Customer and Community: Focus on Grade Crossings	2019		2020	
	October	Year to Date	October	Year to Date
Broken Gates	1	26	1	16
MTA Police Details	37	598	6	200
Summons	24	487	35	517
Warnings	10	113	9	156
Community Education and Outreach*	5,616	104,147	916	52,191
Cars Equipped with Cameras				
	Fleet Size	Total Cars Equipped	% Complete	
Inward / Outward Facing Cab Cameras	956	956	100.00%	
Passenger Compartment Cameras	1,084	1,084	100.00%	

*Due to the COVID-19 pandemic, community outreach events are held virtually, as a result 2020 numbers are lower than previous years.

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	November 2017 - October 2018	November 2018 - October 2019	November 2019 - October 2020		
FRA Reportable Customer Accident Rate per Million Customers	2.19	2.18	4.05		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.96	3.29	3.36		
	2019		2020		
	October	Year to Date	October	Year to Date	
Grade Crossing Incidents ¹	0	9*	2	4	
Mainline FRA Reportable Train Derailments	1	1	0	1	
Mainline FRA Reportable Train Collisions	0	1**	0	1	

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** 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	2019		2020	
	October	Year to Date	October	Year to Date
First Responders Trained	251	1,504	179	414
Employee Safety Training Courses	97	932	83	665
Employees Trained	1,450	11,258	894	6,438
Employee Safety Training Hours	26,662	220,494	16,507	135,135
Customer and Community: Focus on Grade Crossings	October	Year to Date	October	Year to Date
Broken Gates	13	111	1	60
MTA Police Details	84	1,048	86	533
Summons	155	1,536	239	2,090
Warnings	80	659	102	727
Arrests	0	5	0	0
Community Education and Outreach	21,951	106,813	2,729	27,508
Community Education and Outreach Social Media			68,343	131,861
	Completed		Total	% Complete
Cameras on Rolling Stock	M7 (Cars)		826	98.8
	C3 Cab		23	100
	C3 Trailer		111	100
	DE/DM		39	87

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Monthly Operations Report October 2020

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Safety Report			
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	Nov 17 - Oct 18	Nov 18 - Oct 19	Nov 19 - Oct 20
Subways			
Subway Customer Accidents per Million Customers ¹	2.97	2.97	3.54
Subway Collisions ²			
Total	3	1	2
Mainline	0	0	0
Yard	3	1	2
Subway Derailments ²			
Total	6	5	9
Mainline	2	1	4
Yard	4	4	5
Subway Fires ²	937	706	880
Buses			
Bus Collisions Per Million Miles Regional	53.33	54.72	42.93
Bus Collision Injuries Per Million Miles Regional	5.83	6.22	4.96
Bus Customer Accidents Per Million Customers ¹ Regional*	1.27	1.49	1.58
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	3.71	4.12	5.16

¹ 12-month Average data from October through September.

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

* = Due to the implementation of rear door boarding and suspension of fare collection to protect frontline employees from the spread of COVID-19, AFC (MetroCard and OMNY) was not used from March 23, 2020, to August 31, 2020, to determine ridership. During this time, ridership was estimated using Automated Passenger Counter (APC) data.

Leading Indicators				
Subways	October	YTD	Goal	YTD as % of Goal
Roadway Worker Protection				
Joint Track Safety Audits -- Actual Count	21	264	340	77.6%
Joint Track Safety Audits -- Compliance Rate	99.2%	99.1%	100.0%	99.1%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	6,045	17,696	47,520	37.2%
Friction Pad Installation	3,013	16,096	55,650	28.9%
Buses	October	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System**	0	25	40	62.5%
Vision Zero Employee Training	565	3,276	6,200	52.8%

** = No additional new buses are expected to be received for the remainder of 2020. As such, future months will likely show "0" for this metric until year's end.

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Customer Collisions Rate per Million Vehicles	6.56	6.35	4.56	
Customer Injury Collisions Rate per Million Vehicles	0.98	0.89	0.76	
Employee Accident Reports	278	193	137	
Employee Lost Time Injuries Rate per 200,000 Hours Worked	8.8	5.7	4.9	
Construction Injuries per 200,000 Hours Worked	1.63	2.37	2.13	
Leading Indicators				
Roadway Safety	2019		2020	
	October	Year End	October	Year to Date
Workforce Development (# of Participants)	15	429	13	249
Fleet Preventative Maintenance Insp.	152	1608	109	1203
Safety Taskforce Inspections	4	13	0 *	0 *
Construction Safety	October	October	October	Year to Date
Construction Safety Inspections	199	2381	128	1416
Fire Safety	October	Year End	October	Year to Date
Fire Code Audits Completed	1	15	2	14
FDNY Liaison Visits	11	32	0	5

* Safety Manager evaluations at each B&T facility supersedes task force inspections due to COVID 19.

Definitions:

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