



Metropolitan Transportation Authority

Safety Committee Meeting January 2022

Committee Members

J. Lieber, 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 10004

Monday, 1/24/2022

8:30 - 9:00 AM ET

1. Public Comments

2. Approval of Minutes -

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3. Safety Committee Work Plan

Draft Safety Cmte Work Plan 2022 - Page 5

4. Safety Metrics - DRAFT

November

MNR Safety Metrics - Page 7

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October

MNR Safety Metrics - Page 21

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NYCT Safety Metrics - Page 26

5. Committee Presentation

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COVID-19 Update

Security Grant Program Update

Date of Next Meeting: April 25, 2022

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

**Monday, September 13, 2021
8:30 AM**

The following members were present:

**Hon. Janno Lieber, Chair
Hon. Andrew Albert
Hon. Vincent Tessitore
Hon. Robert Linn
Hon. Norman Brown
Hon. Neal Zuckerman**

The following agency safety officers were present (in person or virtual):
Patrick Warren, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Carl Hamann, Metropolitan Transportation Authority, Headquarters (“MTAHQ”)
Robert Diehl, MTA New York City Transit (“NYCT”)
Loretta Ebbighausen, MTA Long Island Rail Road (“LIRR”)
Clyde Armstrong, Metro-North Railroad (“MNR”)
Eric Osnes, MTA Bridges and Tunnels (“B&T”)
Peter Kohner, MTA Construction & Development (“C&D”)
Craig Cipriano, President, New York City Transit (“NYCT”); was also in attendance.

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

Chairman Lieber asked Patrick Warren if there were any public speakers.

PUBLIC SPEAKERS

There were four public speakers.

APPROVAL OF MINUTES

Upon motion duly made and seconded, the minutes of the July 2021 Safety Committee were approved.

SAFETY COMMITTEE WORK PLAN

Chair Lieber asked if there any changes to the work plan. Patrick Warren stated there were no changes to the work plan.

Chair Lieber turned the meeting over to Patrick Warren to start the Safety Committee meeting briefing.

SAFETY POLICY:

Mr. Warren briefed on the latest COVID statistics pertaining to the MTA workforce's and ongoing COVID-19 related efforts related to the Vaccination or Test program. 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 Albert asked a question about the turnaround time for the test results. Mr. Warren stated that it is generally 24 hours, however if the city starts testing more that turnaround time will increase.

Mr. Warren then turned his presentation to crime statistics. Mr. Warren discussed how the major index crimes for Subways were up 20% for the month of August but down 20% for the year. Mr. Warren also went on to discuss arrest stats, railroad crime stats, vandalism and homeless outreach. 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 Albert mentioned the map representing the subway lines was missing one of the lines. Mr. Warren stated he would make sure the GIS team have it corrected.

Mr. Warren went on to discuss Mask Compliance across the system and efforts to reinforce the mask requirement while using the system. Please refer to the video recording of the meeting produced by the MTA and maintained in MTA records for the content of the speaker's presentation.

Chair Lieber discussed that in addition to the topics covered thus far, the Safety statistics are in the book. He asked for any comments from the board members.

Commissioner Zuckerman commented some pleasantries pertaining to Mr. Warren's presentation. He asked for vaccination numbers of our employees that are customer facing. Mr. Warren stated that yes, we can identify those employees and concentrate on them.

Piggybacking on Commissioner Zuckerman's comments Commissioner Linn commented on children who are unable to get the vaccine may be exposed to those who are unvaccinated while traveling on the system. Commissioner Linn also commented on recognizing the work the NYPD and MTA have done together to reduce crime stats and how the technology has been critical in getting us there.

Chair Lieber thanked Commissioner Linn for his comments and stated the MTA's collaboration with the NYPD has grown in a positive direction.

Commissioner Albert asked if the cameras across the system if they are noticeable or relatively obscure. Mr. Warren stated they're small and, in general, no one tampers with the cameras across the system.

Commissioner Tessitore stated he agreed with his fellow commissioners on taking precautions to customer and worker safety. He stated we need to be careful with those who do not want to be vaccinated and those who may leave the job. He asked for time for Vax or Test to play out.

Chair Lieber commented that we've seen an uptick in vaccinations and that we are making progress. He also acknowledged that partnership with labor leadership is essential to making progress, but we need to get there fast.

ADJOURNMENT

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

2022 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 2022

- | | |
|---------------------------------|-----------------------------------|
| - Approval of 2022 Work Plan | MTA Chief Safety & Security |
| - COVID-19 Update | MTA Chief Safety & Security |
| - Security Grant Program Update | MTA Office of Security Operations |

April 2022

- | | |
|-------------------------------------|------------------------------|
| - Track Intrusion Mitigation Update | MTA Chief Safety & Security |
| - Marijuana Policy | MTA Corporate Health Officer |
| - Police Reform Update | MTA Chief Safety & Security |

July 2022

- | | |
|---------------------------------------|---------------------------------|
| - Homeless Outreach Program Update | MTA Chief Safety & Security |
| - Grade Crossing Enhancement Projects | MTA Office of Safety Management |
| - Clean Energy Program Update | MTA Office of Sustainability |

October 2022

- | | |
|-------------------------------------|------------------------------|
| - Drug & Alcohol Program Statistics | MTA Corporate Health Officer |
| - CCTV Cameras Update | MTA Chief Safety & Security |
| - NTSB Recommendations Update | MTA Chief Safety & Security |

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

January 2022

Approval of the 2022 workplan

The committee will receive a discussion on the 2022 workplan and be asked to approve.

Covid-19 Update

The committee will be briefed on Covid-19 related activities.

Security Grant Program Update

The committee will be briefed on the Security Grant Program.

April 2022

Track Intrusion Mitigation Update

The committee will receive a briefing on Track Intrusion Mitigation.

Marijuana Policy

The committee will receive a briefing on the MTA's Marijuana Policy.

July 2022

Homeless Outreach Program Update

The committee will receive a report on the Homeless Outreach Program.

Grade Crossing Enhancement Projects

The committee will be briefed on the railroad Grade Crossing Enhancement Projects.

Clean Energy Program Update

The Committee will receive an update on the Clean Energy Program.

October 2022

Drug & Alcohol Program Statistics

The committee will receive an update on Drug & Alcohol Statistics.

CCTV Cameras Update

The committee will receive an update on CCTV Cameras.

NTSB Recommendations Update

The committee will receive an update on the status of Recommendations issued to the MTA by the NTSB.



November 2021 Safety Report

Performance				
Performance Indicator	12-Month Average			
	December 2018 - November 2019	December 2019 - November 2020	December 2020 - November 2021	
FRA Reportable Customer Injury Rate per Million Customers	0.98	1.30	1.76	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.12	1.99	2.01	
	2020		2021	
	November	Year to Date	November	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	2020		2021	
	November	Year to Date	November	Year to Date
First Responders Trained	78	1,186	82	1,571
Employee Safety Training Courses	104	317	177	330
Employees Trained	2,494	5,743	1,472	5,621
Employee Safety Training Hours	20,033	205,946	19,885	192,546
Customer and Community: Focus on Grade Crossings	2020		2021	
	November	Year to Date	November	Year to Date
Broken Gates	4	20	2	11
MTA Police Details	16	216	35	365
Summons	90	607	126	864
Warnings	37	193	45	316
Community Education and Outreach*	895	53,086	29,189	206,503

*Due to the COVID-19 pandemic, some community outreach events are held virtually.

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.

November 2021 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	December 2018 - November 2019	December 2019 November 2020	December 2020 - November 2021		
FRA Reportable Customer Accident Rate per Million Customers	2.28	5.07	2.70		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.32	3.28	3.96		
		2020		2021	
		November	Year to Date	November	Year to Date
Grade Crossing Incidents ¹	1	5	1	5	
Mainline FRA Reportable Train Derailments	0	1	0	1	
Mainline FRA Reportable Train Collisions	0	1	0	2	

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	2020		2021	
	November	Year to Date	November	Year to Date
First Responders Trained	94	508	60	537
Employee Safety Training Courses	75	740	105	738
Employees Trained	793	7,231	703	9,994
Employee Safety Training Hours	12,972	148,107	16,868	127,340
Customer and Community: Focus on Grade Crossings	November	Year to Date	November	Year to Date
Broken Gates	10	70	9	82
MTA Police Details	96	629	30	624
Summons	351	2,441	157	2,280
Warnings	126	853	38	845
Arrests	0	0	0	1
Community Education and Outreach	2,625	30,133	3,148	32,551
Community Education and Outreach Social Media	70,520	202,381	43,886	743,639

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.

November 2021 Safety Report

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

Performance Indicator			
Performance Indicator	12-Month Average		
	December 2018 - November 2019	December 2019 - November 2020	**December 2020 - November 2021
Customer Collisions Rate per Million Vehicles	6.30	4.35	3.98
Customer Injury Collisions Rate per Million Vehicles	0.90	0.72	0.66
Employee Accident Reports	194	148	137
Employee Lost Time Injuries Rate per 200,000 Hours Worked	5.7	6.0	5.8

Leading Indicators				
Roadway Safety	2020		2021	
	November	Year End	November	Year to Date
Workforce Development (# of Participants)	13	273	0	0
Fleet Preventative Maintenance Insp.	129	1463	121	1441
Safety Taskforce Inspections	0	0 *	0	14
Fire Safety	November	Year End	November	Year to Date
Fire Code Audits Completed	0	14	2	13
FDNY Liaison Visits	4	12	1	32

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

** Conditions beginning Mid-March 2020 reflect an intra-pandemic period and therefore, is not indicative of prior history.

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.

Monthly Operations Report November 2021

Statistical results for the 12-Month period are shown below

Safety Report				
Performance Indicators	12-Month Average			
	Dec 18 - Nov 19	Dec 19 - Nov 20	Dec 20 - Nov 21	
Subways				
Subway Customer Accidents per Million Customers ¹	2.95	3.85	4.48	
Subway Collisions ²				
Total	1	2	3	
Mainline	0	0	0	
Yard	1	2	3	
Subway Derailments ²				
Total	5	10	10	
Mainline	1	5	0	
Yard	4	5	10	
Subway Fires ²	699	884	1,016	
Buses				
Bus Collisions Per Million Miles Regional	54.42	42.39	51.32	
Bus Collision Injuries Per Million Miles Regional	6.11	4.70	5.32	
Bus Customer Accidents Per Million Customers ¹ Regional*	1.49	1.62	1.94	
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	4.23	5.29	4.74	

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 30, 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	20	314	340	92.4%
Joint Track Safety Audits -- Compliance Rate	99.3%	99.4%	100.0%	99.4%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	3,805	26,516	9,999	265.2%
Friction Pad Installation	2,836	23,396	22,000	106.3%
Buses	November	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	40	320	780	41.0%
Vision Zero Employee Training	442	5,111	5,800	88.1%

MTA C&D SAFETY SUMMARY

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	1.50	1.59	1.84	1.73	1.84	2.05	2.25	2.49	2.55	2.64	2.56	2.67	2.14
2021	2.73	2.72	2.62	2.65	2.62	2.42	2.16	1.94	1.86	1.79	1.86		2.31

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	3.00	3.09	3.21	2.99	3.18	3.34	3.46	3.63	3.54	3.69	3.62	3.70	3.37
2021	3.72	3.65	3.59	3.66	3.62	3.43	3.14	2.83	2.84	2.86	2.97		3.30

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020	LaborHour	948,142	878,951	895,854	760,495	917,316	1,072,962	1,049,965	1,012,075	1,052,947	1,082,930	886,971	846,811	11,405,420
	LT	8	9	17	3	9	18	19	22	15	19	2	11	152
	TR	8	6	2	3	8	3	6	6	1	10	4	2	59
2021	LaborHour	817,958	851,305	794,536	857,155	839,911	815,849	775,364	780,905	735,024	804,196	768,229		8,840,432
	LT	10	8	10	6	6	4	2	8	8	13	4		79
	TR	5	2	4	6	7	2	3	0	4	13	6		52

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 4 Lost Time and 6 Recordables

- There was a significant decrease in the reported incidents for November; the goal remains 0
- LT Incidents: East Side Access – 2; Infrastructure and Stations – 1 each
- REC Incidents: MNR – 4, Infrastructure and B&T – 1 each

INVESTIGATIONS:

- ESA: 2 incident investigations ongoing, Infrastructure: boom lift operator fell while situated in wrong operating position and fractured wrist, Stations: employee working across rebar twisted knee
- 3 of the 4 LT's were electricians while the 4th was a teamster
- REC Incidents for the month were the result of Struck By/Against hazards

AUDITS: INTERNAL – 171 EXTERNAL – 350

- The top safety issues identified include Housekeeping, Fall Protection/Prevention, PPE, Concrete/Masonry, Stairs/Ladders and Electrical Hazards
- Positive findings also include MPT, Material Handling, and Fire Protection/Prevention
- NYCT business units had 47 Joint Track Safety Audits by OSS/TWU for 2021 with 10 findings. The findings per inspection in 2021 were 0.21 compared to 0.28 in 2020

TRENDS:

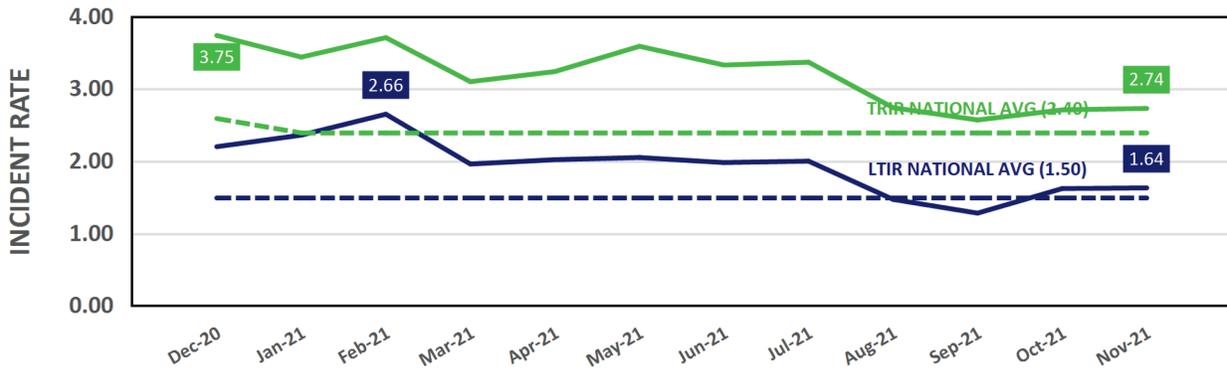
- Reported incidents across the MTA C&D business units and integrated projects are trending down in November as compared to October. However, contracts reporting less manpower affects the Recordable and Lost Time Rates (BLS calculations)
- The business units experiencing positive trending are LIRR and Stations
- The business units experiencing downward trending are ESA and MNR for Recordables

ACTIONS:

- ESA and MNR have undertaken several initiatives to address their poor trending which has shown in reduced Incidents
- In the Stations Business Unit, for the 8 Station ADA project, A-37151, the PMC has been notified to address the loss of their 3rd Party Safety Consultant without delay. The D/B has been advised the recent safety observation trends must be improved to mandated safety practices and requirements.

BRIDGES & TUNNELS

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	2.20	2.18	2.88	2.67	2.69	2.67	2.44	2.78	2.57	2.13	2.06	2.21	2.46
2021	2.37	2.66	1.97	2.03	2.06	1.99	2.01	1.48	1.29	1.63	1.64		1.92

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	4.72	4.51	5.00	4.74	4.66	4.81	4.37	4.29	3.67	3.66	3.67	3.75	4.32
2021	3.45	3.72	3.11	3.25	3.60	3.34	3.38	2.75	2.58	2.72	2.74		3.15

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020													
LaborHour	92,560	89,134	110,673	117,210	162,806	194,022	184,096	171,762	186,627	191,437	159,062	152,383	1,811,772
LT	0	0	7	0	1	1	1	5	2	1	0	2	20
TR	4	0	0	1	0	2	1	1	0	4	1	0	14
2021													
LaborHour	136,297	116,285	158,988	153,383	142,110	161,603	161,105	170,936	157,207	170,058	145,348		1,673,320
LT	2	3	1	1	1	0	1	0	0	4	0		13
TR	0	0	1	2	3	0	1	0	0	2	1		10

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 1 Recordable

- REC 11/01 VN-32/49 - Ironworker suffered a broken tooth after being struck by an improperly stored wrench

INVESTIGATIONS:

- LOST TIME – 12/07/2021 - TN 53 – Struck By injury - Ricocheting rivet struck worker in the face. Contributing factors included inadequate rivet catching equipment, PPE & technique. Toolbox talks were held emphasizing proper rivet catching equipment, PPE and technique. The contractor issued enhanced face shield and improved rivet catching method for use by workers. Associated safety documentation has been changed to reflect proper equipment and hazard controls. The affected worker has returned to work without restrictions

AUDITS: INTERNAL – 28 EXTERNAL – 51

- There were 616 positive safety observations in December as compared to 795 in November
- Top positive safety observation categories were PPE and Housekeeping
- There were 118 safety deficiencies cited during December as compared to 64 in November
- Top safety issue categories were Fire Prevention and Electrical (<600v)

TRENDS:

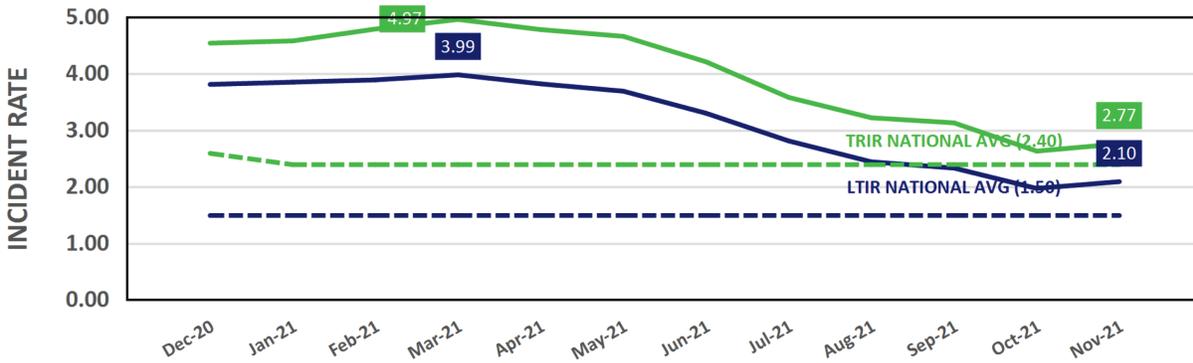
- 2021 YTD injuries represent a 28% reduction compared to 2020 injuries
- 50% of 2021 injuries resulted from Lacerations and Contusions. Plans are being developed to address these types of injuries

ACTIONS:

- A pre-lift safety meeting was conducted for critical crane picks at the RFK (RK66) contract covering loads and rigging for electrical substation and boiler picks

INFRASTRUCTURE

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
LTIR													
2020	1.91	1.43	1.27	1.55	2.28	3.36	3.81	4.06	4.01	4.16	3.82	3.82	2.96
2021	3.86	3.90	3.99	3.83	3.70	3.31	2.82	2.45	2.34	1.98	2.10		3.12
TRIR													
2020	1.91	1.43	1.27	1.55	2.28	3.53	4.24	4.43	4.44	4.82	4.52	4.55	3.25
2021	4.59	4.80	4.97	4.79	4.67	4.22	3.59	3.23	3.14	2.64	2.77		3.95
2020													
LaborHour	209,588	209,861	209,525	146,818	188,556	226,001	226,412	208,039	221,913	267,755	188,190	156,638	2,459,295
LT	2	1	1	2	5	9	7	6	4	7	0	3	47
TR	0	0	0	0	0	1	2	0	1	3	1	1	9
2021													
LaborHour	188,536	230,768	204,440	198,128	166,376	159,944	147,672	159,768	158,256	165,144	154,728		1,933,760
LT	2	2	2	1	3	3	0	1	2	2	1		19
TR	0	2	1	0	0	0	0	0	1	1	1		6

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 1 Lost Time and 1 Recordable

- C-34838 – Rec – 11/15/2021 – 207th Yard – Laborer dropped FFU tie on foot resulting in bruise
- C-34836 – LT - 11/29/2021 - CIY – Teamster operating boom lift fell during king pile lift resulting in fractured wrist

INVESTIGATIONS: 1

- Above LT injury investigated by PCEO. MTA C&D contractor revised and submitted SWP reflecting lessons learned

AUDITS: INTERNAL – Assessments – 6 – JTSA – 1 EXTERNAL – 99 OCIP Inspections

- C-34836 - 12/4/21 – Assessment – MPT, Fire Protection and Prevention (corrected)
- A-37700 - 12/16/2021 - Assessment – No findings
- C-48703 - 12/18/2021 – Assessment – General Safety/Housekeeping, PPE, Tools (corrected)
- C-43763 – 12/10/2021 – Assessment – Expired Permits, Housekeeping – still open
- W-32366 – 12-16-2021 – Assessment – No findings
- C-40257 – 12-29-2021 – Assessment – MPT, Scaffolds, Fall Protection and Fire Protection – still open
- R-50427 – 12/15/2021 – JTSA Inspection – No findings or observations

TRENDS:

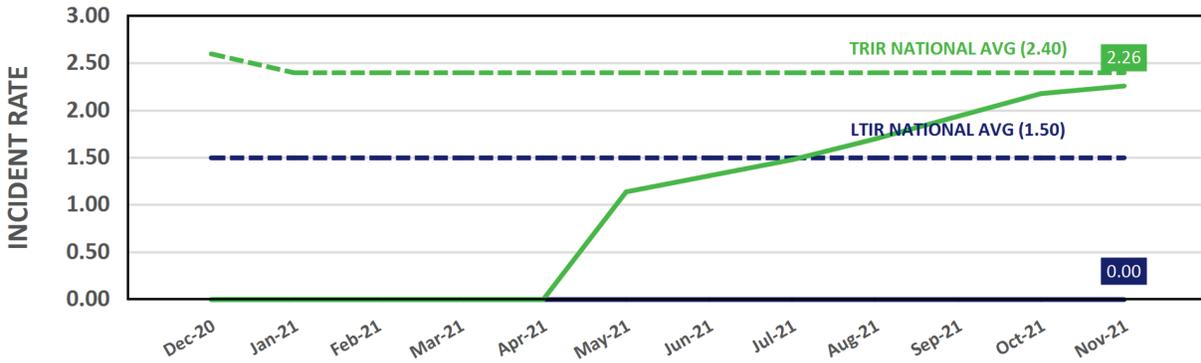
- Trending for Infrastructure is positive as compared to same period for 2020

ACTIONS:

- C34838 - 12/6/21 – 207th St Yard – safety stand down due to 2 consecutive trip/ fall, similar incidents within 48 hours
- C-34922 - Livonia Maintenance Facility Rehabilitation/Reconstruction PH 1 – SKO conducted
- C-48703 - 12/18/2021 - Structure Component Repairs – conducted PMT monthly safety walkthrough with contractor project engineer, CCM safety manager and CSE- focusing on correcting issues immediately

LONG ISLAND RAIL ROAD

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	1.14	1.31	1.48	1.70	1.94	2.18	2.26		1.09

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020	LaborHour	23,504	23,504	23,504	23,504	23,504	30,224	22,312	21,304	19,848	15,176	8,896	6,208	241,488
	LT	0	0	0	0	0	0	0	0	0	0	0	0	0
	TR	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	LaborHour	6,528	12,432	13,104	10,080	9,072	7,560	4,872	4,056	4,984	3,888	5,712		82,288
	LT	0	0	0	0	0	0	0	0	0	0	0	0	0
	TR	0	0	0	0	1	0	0	0	0	0	0	0	1

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 0 Recordables

- No incidents or accidents

INVESTIGATIONS: 0

- No investigations

AUDITS: INTERNAL – 0 EXTERNAL – 19 OCIP Inspections

- 1 finding – Electrical Morris Park Elevator - damaged extension cord, removed from service

TRENDS:

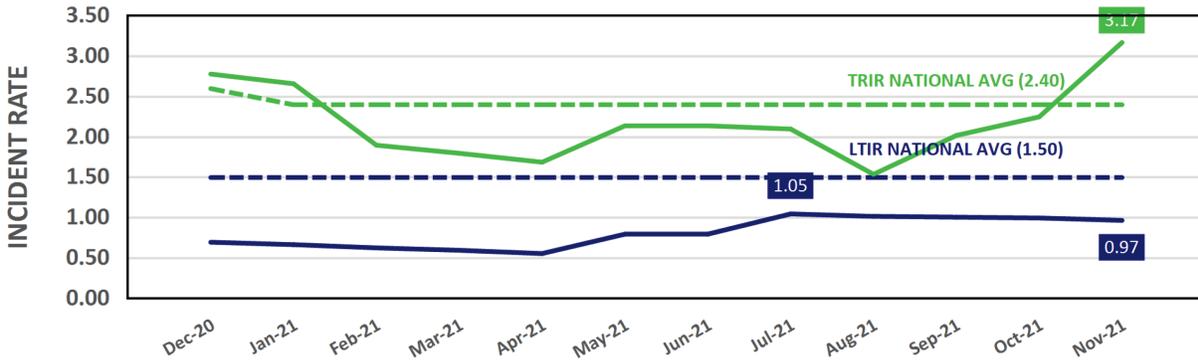
- No contractor injures recorded from May 2021 through November 2021

ACTIONS:

- Continue to provide guidance to PCEO's and contractors on COVID protocols

METRO NORTH RAILROAD

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
LTIR													
2020	0.00	2.48	1.65	1.24	0.99	0.79	0.67	1.17	1.01	0.87	0.77	0.70	1.03
2021	0.67	0.63	0.60	0.56	0.80	0.80	1.05	1.02	1.01	1.00	0.97		0.83
TRIR													
2020	4.96	9.93	6.62	4.96	3.97	3.15	3.37	4.69	4.05	3.48	3.08	2.78	4.59
2021	2.66	1.90	1.80	1.69	2.14	2.14	2.10	1.54	2.02	2.25	3.17		2.13
2020													
LaborHour	40,288	40,288	40,288	40,288	40,288	52,256	42,944	44,672	53,816	65,152	58,368	56,296	574,944
LT	0	1	0	0	0	0	0	1	0	0	0	0	2
TR	1	2	0	0	0	0	1	2	0	0	0	0	6
2021													
LaborHour	66,000	70,560	77,280	81,480	77,280	55,440	54,432	65,184	66,024	71,736	79,464		764,880
LT	0	1	0	0	1	0	1	1	0	0	0		4
TR	1	0	0	0	1	0	0	0	2	1	4		9

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 4 Recordables

- **11/1 - Hudson Signal Cable Project (Project #MN82133)** - Laborer struck in face, breaking nose, by air knife air hose
- **11/16 - Harmon Shop Phase V Stage 2 Project (Project #MN81933)** - Laborer struck by board, dropped by carpenter, on hand causing a laceration requiring stitches
- **11/18 - Harmon Shop Phase V Stage 2 Project (Project #MN81933)** - Crew was attempting to land a 2nd girt on top of a 2x4 which was sitting on top of another girt. When crew went to pull the 2X4 out, both girts slipped off the plate, striking an ironworker causing forearm laceration
- **11/24 - Harmon Shop Phase V Stage 2 Project (Project #MN81933)** - Electrician using battery powered band saw lost footing, dropped the saw, striking finger, requiring stitches even though wearing cut resistant gloves

INVESTIGATIONS:

- Root Cause for air knife injury was determined to be loose fittings. Inspection of fittings now required before each use
- Root Cause laborer and carpenter was lack of communication and no Job Safety Briefing
- Root Cause for forearm laceration was improper tool used. SWP not followed
- Root Cause for band saw laceration was electrician did not level the ground working on prior to operating the saw

AUDITS: INTERNAL – 14 EXTERNAL – 33 – OCIP Inspections

- The top 2 safety issues found during audits were Housekeeping and Personal Protection Equipment (PPE)
- OCIP had 3 findings during 33 inspections on 3 contracts for Concrete/Masonry and Steel Erection

TRENDS:

- The Recordable Incident Rate is trending upward since August 2021
 - Meetings with contractors held addressing job briefings and toolbox talks to address specific job risks
- The Lost Time Rate is below the National Lost Time Rate but trending slightly up from 2020

ACTIONS:

- Following incidents in November, additional safety presence was added to projects. This included safety engineers, safety stand downs and MNR Business Unit safety representative’s participation in daily operations review meetings. The result was no LT or Reportable injuries for December.

SIGNALS & TRAIN CONTROL

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.00	0.00	1.37	1.07	0.83	0.65	2.24	3.77	4.52	4.86	4.26	3.92	2.29
2021	4.38	4.46	4.58	5.21	5.35	5.62	4.63	3.37	3.15	2.40	2.58		4.16

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.00	0.00	1.37	1.07	1.66	1.30	2.80	4.24	4.93	5.24	4.59	4.22	2.62
2021	4.70	4.78	4.91	5.53	5.35	5.62	4.99	3.74	3.54	2.80	3.01		4.45

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020 LaborHour	48,648	40,761	57,043	40,451	53,975	66,717	50,078	66,415	62,443	47,950	75,761	53,405	663,644
LT	0	0	1	0	0	0	3	4	3	2	0	0	13
TR	0	0	0	0	1	0	0	0	0	0	0	0	1
2021 LaborHour	23,560	29,824	40,112	44,456	36,856	38,944	41,496	39,480	36,120	39,816	40,320		410,984
LT	1	0	1	2	0	0	0	0	2	0	0	0	6
TR	0	0	0	0	0	0	1	0	0	0	0	0	1

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 0 Recordables

- No recordable or lost time incidents reported in November

INVESTIGATIONS:

- S-33933 – 12/13/2021 - Near Miss - TTB on ROW after GO** - Investigation and incident reports submitted by PCEO/CCM and GC incident investigated

AUDITS: INTERNAL – 6 (3 Assessments – 3 JTSA) EXTERNAL – 25 OCIP Inspections

- S-48006 (8th Ave. CBTC) – C&D Assessment - 12/1/2021 – No safety issues observed
- W-32789 (ISIM B. Div.) – C&D Assessment - 12/7/2021 – No safety issues observed
- S-47009 (Culver CBTC) - C&D Assessment - 12/29/2021– No safety issues observed
- S-48006 – 3 JTSA visits:
 - 12/3/2021 – No deficiencies observed
 - 12/10/2021 – No deficiencies observed
 - 12/23/2021 – No deficiencies observed
- OCIP reports on 5 contracts:
 - S-47009 – 10 visits – No deficiencies observed
 - S-48006 – 8 visits – No deficiencies observed
 - S-33932 – 2 visits – No deficiencies observed
 - S-33933 – 5 visits – 1 safety issue – Electrician standing on work train edge with active trains passing, corrected

TRENDS:

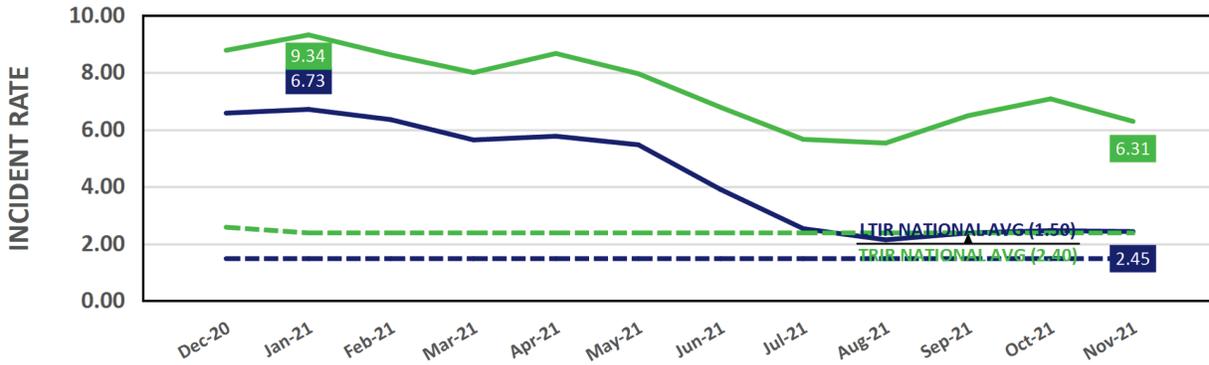
- Trending for incidents are continuing to be positive, 0 LT and Recordable incidents this past month
- Signal contracts visited by OCIP had only 1 safety issue noted above – trending well
- Lost Time incidents are lower for 2021 for the same time period of 2020

ACTIONS:

- Daily reports completed by CCM safety personnel (PMCs) continue to be submitted to the MTA C&D Business Unit safety representative

STATIONS

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	4.57	5.45	6.27	5.11	5.10	6.71	7.40	7.37	6.91	6.86	6.74	6.60	6.26
2021	6.73	6.37	5.66	5.79	5.49	3.92	2.55	2.16	2.40	2.48	2.45		4.18

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	6.10	8.17	8.78	7.15	7.64	8.83	9.18	8.95	8.34	8.64	8.85	8.80	8.29
2021	9.34	8.64	8.02	8.69	7.98	6.80	5.68	5.55	6.51	7.10	6.31		7.33

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020 LaborHour	131,187	89,153	98,666	72,375	79,599	95,445	108,856	84,457	79,293	64,267	45,825	50,727	999,850
2020 LT	3	3	4	0	2	7	6	3	1	2	1	1	33
2020 TR	1	2	1	0	2	0	0	0	0	2	2	1	11
2021 LaborHour	52,304	47,928	66,280	53,912	52,776	58,184	48,758	28,392	14,784	43,848	52,920		520,086
2021 LT	1	0	0	0	0	0	0	1	1	2	1	1	6
2021 TR	2	0	1	2	0	1	0	0	1	3	0		10

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 1 Lost Time and 1 Recordable

- On November 19, 2021, there was 1 lost time incident on Contract #A35302/A37116. An employee was walking from one location to another (to access a work area), stepped across rebar on a ramp, the rebar shifted causing a twinge of pain to the right knee of the employee
- On November 29, 2021, 1 first aid incident on Contract #A37131/A37134/A37150E. While unloading FFU ties from a van at 207th St. Yard, one tie fell and struck the employee on the foot, causing bruising. The employee was sent to City MD for x-rays and was released and cleared to return to work
- 2021 LT incidents are trending lower for same period in 2020

INVESTIGATIONS:

- There are no pending Investigations, however there is an outstanding investigation report for Contract #A37150E

AUDITS: INTERNAL – C&D Safety = 2, JTSA Inspections = 0, External – OCIP Visits = 100 Site Visits

- There were 2 assessments conducted by C&D Safety. No findings
- There were 100 field visits over 9 Stations contracts with a total of 75 findings for December 2021 identified by OCIP. Findings were corrected and closed out

TRENDS:

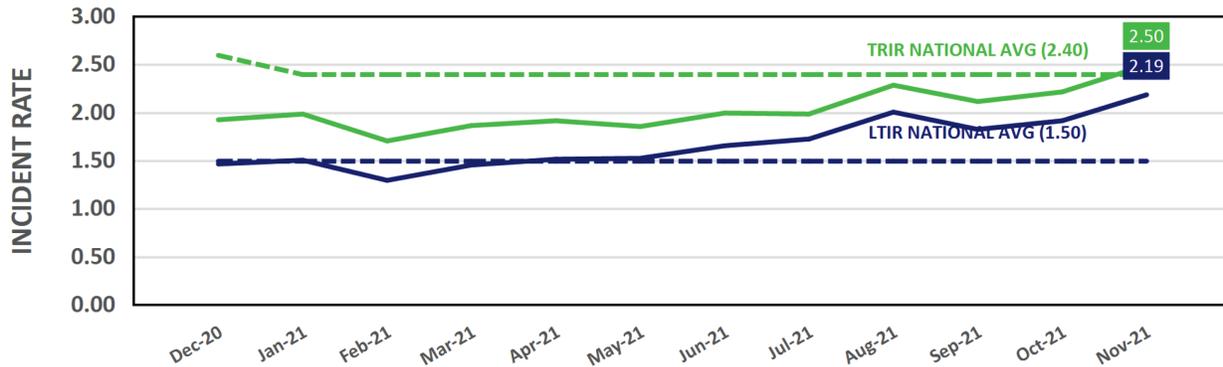
- The top 3 categories identified by OCIP visits within the Stations Business Unit were as follows:
 - Housekeeping accounted for 19 of the 27, or 70%, of the findings
 - Fall Protection accounted for 12 of the 18, or 67%, of the findings
 - Site Security & Public Protection accounted for 8 of the 17, or 47%, of the findings

ACTIONS:

- C&D safety continues to review and/or interview qualified safety personnel upon submission. Key members of the Stations Business Unit are being kept abreast of deficiencies of safety coverage on projects. Deficiencies are being addressed by PCEOs
- Late gasoline placard submissions require approval outside of the C&D Safety Business Unit and need to be expedited

EAST SIDE ACCESS

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	1.48	1.67	1.62	1.51	1.53	1.45	1.31	1.23	1.30	1.47	1.36	1.47	1.45
2021	1.51	1.30	1.46	1.52	1.53	1.66	1.73	2.01	1.83	1.92	2.19		1.70

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	2.47	2.71	2.53	2.44	2.48	2.39	2.18	2.02	2.02	2.06	1.89	1.93	2.26
2021	1.99	1.71	1.87	1.92	1.86	2.00	1.99	2.29	2.12	2.22	2.50		2.04

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020 LaborHour	266,386	242,004	193,466	156,059	194,143	231,560	232,057	262,480	232,247	218,910	171,952	191,768	2,593,029
2020 LT	2	4	1	1	1	0	0	2	3	3	0	2	19
2020 TR	2	1	0	1	1	0	1	0	0	0	0	0	6
2021 LaborHour	182,574	185,751	204,228	193,607	169,813	159,070	139,561	135,674	122,995	126,776	106,548		1,726,596
2021 LT	2	1	3	2	1	1	0	4	0	3	2		19
2021 TR	2	0	0	1	0	0	0	0	0	0	0		3

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 2 Lost Time and 0 Recordables

- CS179- 11/1/21 - FSE – Electrician tripped on protruding floor stud landing into wall injuring shoulder
- CS179- 11/30/21 - FSE – Electrician felt pop in left knee while walking up stairs

INVESTIGATIONS:

- Both November losses were originally Notice Only but workers both stayed out of work resulting in LT
- 12/7/2021 - CM014B – LT - FSE apprentice swapping out dye on thread machine, dropped it on foot causing contusion
- 12/15/2021 – CS179 – Near Miss – Operator drove through unopened switch derailing machine
- 12/15/2021 – CS084 – Near Miss - Switch Operator failed to engage switch, vehicle derailed, resulting in damaged switch
- 12/23/2021 – Near Miss - Unauthorized truck on site through live rail area

AUDITS: INTERNAL – 86 Daily Safety Reports EXTERNAL – 20 OCIP Inspections

- There were 32 hazards identified on the hazard log for November
- Top 4 hazards for month are Fall Protection, Housekeeping/General Safety, Electrical, and Fire Protection

TRENDS:

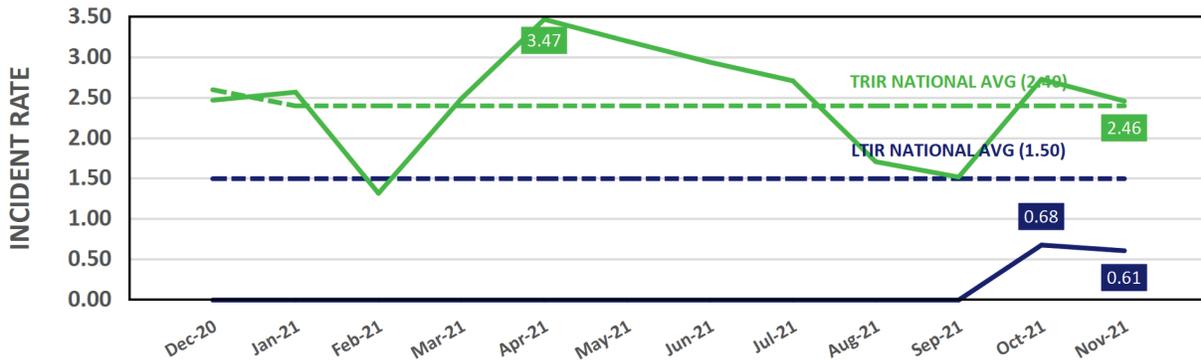
- Lost Time injuries are trending up with 5 recent Incidents

ACTIONS:

- Contractor has started performing safety roll backs on each contract
- Safety standdown across the project for all hi-rail vehicles, training for use, RCC protocols, communications
- ESA safety continue to conduct daily safety inspections, site visits with contractor safety, site walks with ESA OCIP team and perform SWP audits in the field
- Contractors are planning to perform their quarterly emergency evacuation drills for December
- Monthly safety meeting held – Current topics discussed with Contractor safety – Review fit for duty (holiday), training up to date, no smoking on site, housekeeping in substations, and rodent prevention
- Contractor assignment to take a recurring hazard and develop how are they going to prevent the issue

PENN EAST END GATEWAY & CORRIDOR

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.61		0.12

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	2.52	4.29	3.91	3.64	3.40	3.19	2.96	2.65	2.54	2.50	2.50	2.47	3.05
2021	2.57	1.32	2.49	3.47	3.20	2.94	2.71	1.71	1.52	2.73	2.46		2.47

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020	LaborHour	14,991	13,818	9,212	8,477	8,159	8,682	13,285	20,369	11,955	16,748	15,986	20,458	162,140
	LT	0	0	0	0	0	0	0	0	0	0	0	0	0
	TR	0	1	0	0	0	0	0	1	0	0	0	0	2
2021	LaborHour	8,551	10,155	17,592	21,109	22,328	25,822	30,449	33,112	40,796	46,830	48,189		304,933
	LT	0	0	0	0	0	0	0	0	0	1	0		1
	TR	0	0	1	1	0	0	0	0	0	1	0		3

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 0 Recordables

- No lost time or recordable injuries for November 2021

INVESTIGATIONS:

- Near Miss – 12/13/2021** - Employee was using an electric pallet jack and tilted the forks too far causing cart and bundle to flip over onto the concourse decking. Employee was not trained to use this Power Industrial Truck (PIT). Design/Builder to provide PIT training for all employees using equipment
- Smoke Condition – 12-14-2021** - At approximately 4:00 PM there was smoke condition in the west end of LIRR concourse. Sparks and slag from hot work operation migrated through a column base penetration into a trash can and ignited contents causing the smoke condition. No injuries or property damage sustained. Design/Builder acknowledged project management needs a greater field presence which has occurred. Controls included fire watch at work and concourse levels with proper communication, fire extinguishers/blankets readily available, and MPT of public traffic

AUDITS: INTERNAL – 21 Daily Safety Inspections EXTERNAL – Zero (0)

- 12/2/2021 - Monthly internal safety walk through and audit with LIRR, Design/Builder and PMC findings - PPE, water line issues
- Positive fire protection

TRENDS:

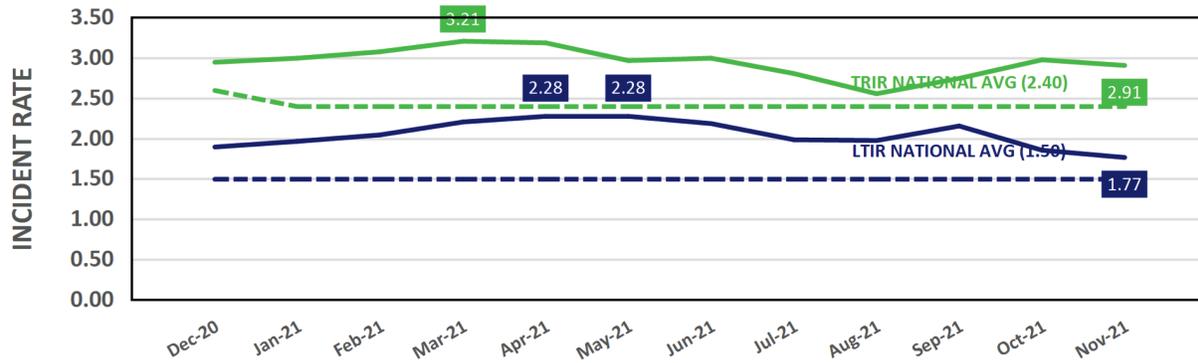
- Several incidents in December included 4 eye injuries (1 Rec and 3 First Aid). Trades included 3 Ironworkers and 1 Laborer
- Design/Builder has improved reviewing operations and daily safety planning because of the IW injury in October

ACTIONS:

- 12/15/2021 - Safety standdown held to discuss recent injuries/incidents noted above
- 12/15/2021 – PMT, MTA C&D Safety Management, Design/Builder and Amtrak held safety meeting on concourse hot work operations and recent incidents
- PMT will write a summary of all observations and coordinate with Design/Builder to address with corrective actions on a weekly basis. Any open items will be discussed with Design/Builder weekly

LIRR EXPANSION (THIRD TRACK)

TOTAL RECORDABLE INCIDENT RATE (TRIR) & LOST TIME INCIDENT RATE (LTIR)



LTR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	0.86	0.72	1.04	1.02	1.00	0.87	1.07	1.19	1.28	1.45	1.56	1.90	1.16
2021	1.97	2.05	2.21	2.28	2.28	2.19	1.99	1.98	2.16	1.86	1.77		2.07

TRIR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Average
2020	2.59	2.27	2.65	2.38	2.68	2.39	2.46	2.70	2.67	2.59	2.70	2.95	2.59
2021	3.00	3.08	3.21	3.19	2.97	3.00	2.81	2.56	2.75	2.98	2.91		2.95

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2020 LaborHour	120,991	130,428	153,478	155,313	166,288	168,056	169,925	132,578	184,805	195,535	162,931	158,929	1,899,257
2020 LT	1	0	3	0	0	1	2	1	2	4	1	3	18
2020 TR	0	0	1	1	4	0	1	2	0	1	0	0	10
2021 LaborHour	153,608	147,602	12,512	101,000	163,300	149,283	147,019	144,303	133,858	136,100	135,000		1,423,585
2021 LT	2	1	3	0	0	0	0	1	3	1	0		11
2021 TR	0	0	0	0	2	1	1	0	0	5	0		9

SAFETY NARRATIVE

INCIDENTS (MONTH OF NOVEMBER): 0 Lost Time and 0 Recordables

- 3TC and subcontractors reported no incidents in November
- Lost Time injuries for 2021 trending down for same period in 2020

INVESTIGATIONS:

- December incident involving 3TC Subcontractor “Human Error Injuries” being investigated by PMT Safety and OCIP

AUDITS: INTERNAL – 9 EXTERNAL – 28 OCIP Inspections

- 11/01, 11/10, 11/19 - Westbury Station: Walking surface, housekeeping
- 11/16, 11/09 - New Hyde Park Station: Missing rebar caps, trips slips and fall, walking/working surface, worker not using respirator during silica exposure, housekeeping
- 11/04, 11/09 - Mineola Station: No safety issues found
- 11/15, 11/25 - Merillon Avenue Station: Fall protection
- Top 4 OCIP Findings – Stairs/Ladders, Fall Protection, Housekeeping, and Concrete/Masonry

TRENDS:

- 3TC subcontractor workers human error injuries. Reoccurring primarily with electrical workers
- PMT daily safety findings of Slips, Trips, and Fall hazards around the project

ACTIONS:

- PMT safety currently following up on incidents for October and 3 incidents in December. Performing safety stand-downs and toolbox talks focused on reoccurring hazardous conditions in the field
- PMT requested 3TC to perform more toolbox talks focused on the Slips, Trips and Fall hazards to stop reoccurrence
- PMT requested 3TC area supervisors take more responsibility in ensuring housekeeping is being performed on a regular schedule

October 2021 Safety Report

Performance				
Performance Indicator	12-Month Average			
	November 2018 - October 2019	November 2019 - October 2020	November 2020 - October 2021	
FRA Reportable Customer Injury Rate per Million Customers	1.03	1.20	1.79	
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	2.07	2.12	1.91	
	2020		2021	
	October	Year to Date	October	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	2020		2021	
	October	Year to Date	October	Year to Date
First Responders Trained	137	1,108	332	1,489
Employee Safety Training Courses	116	309	191	319
Employees Trained	1,865	5,305	981	5,489
Employee Safety Training Hours	21,861	185,930	26,083	163,985
Customer and Community: Focus on Grade Crossings	2020		2021	
	October	Year to Date	October	Year to Date
Broken Gates	1	16	0	9
MTA Police Details	6	200	45	330
Summons	35	517	110	738
Warnings	9	156	57	271
Community Education and Outreach*	916	52,191	14,300	177,314

*Due to the COVID-19 pandemic, some community outreach events are held virtually.

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.



2021 Quarterly Post-Incident Drug & Alcohol Testing

Metro-North Railroad						
Quarter	Federally Mandated Tests*			Other Agency Mandated Tests		
	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test	Within 8 hours (Regulatory Required)**	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test
Q1	N/A	N/A	N/A	33	19	0
Q2	N/A	N/A	N/A	25	8	0
Q3	N/A	N/A	N/A	23	10	0

*No test met the Federal threshold

**Includes those completed within the 2-hour goal

Shelley Prettyman
Acting Vice President
Office of System Safety

October 2021 Safety Report

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

Performance					
Performance Indicator	12-Month Average				
	November 2018 - October 2019	November 2019 - October 2020	November 2020 - October 2021		
FRA Reportable Customer Accident Rate per Million Customers	2.31	5.18	3.56		
FRA Reportable Employee Lost Time Injury Rate per 200,000 worker hours	3.23	3.25	4.04		
	2020		2021		
	October	Year to Date	October	Year to Date	
Grade Crossing Incidents ¹	2	4	1	4	
Mainline FRA Reportable Train Derailments	0	1	0	1	
Mainline FRA Reportable Train Collisions	0	1	0	2	

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	2020		2021		
	October	Year to Date	October	Year to Date	
First Responders Trained	179	414	302	779	
Employee Safety Training Courses	83	665	105	738	
Employees Trained	894	6,438	749	10,040	
Employee Safety Training Hours	16,507	135,135	18,633	129,105	
Customer and Community: Focus on Grade Crossings	October	Year to Date	October	Year to Date	
Broken Gates	1	60	9	73	
MTA Police Details	86	533	38	594	
Summons	239	2,090	168	2,123	
Warnings	102	727	63	807	
Arrests	0	0	0	1	
Community Education and Outreach	2,729	27,508	4,689	29,403	
Community Education and Outreach Social Media	68,343	131,861	62,658	699,753	

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.

LONG ISLAND RAIL ROAD

POST INCIDENT TESTS - January 1 - September 30, 2021

	Federally Mandated Tests				Other Agency Mandated Tests			
	Total Tests	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test	Total Tests	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test
Q1	1	1	0	0	10	10	3**	0
Q2	2	2	0*	0	6	6	2**	0
Q3	0	N/A	N/A	N/A	9	9	2**	0

Timeframes are based on completion of alcohol test.

* This test was an FRA Post Accident test, which is not required to be completed within 2.0 hours; per 49 CFR 219.203 (d), this is required to be completed within 4.0 hours (which it was).

** Per LIRR company policy (MED-005), these tests are required to be completed within 4.0 hours; all tests within both quarters were completed within 4.0 hours.

October 2021 Safety Report

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

Performance Indicator			
Performance Indicator	12-Month Average		
	November 2018 - October 2019	November 2019 - October 2020	**November 2020 - October 2021
Customer Collisions Rate per Million Vehicles	6.35	4.57	3.96
Customer Injury Collisions Rate per Million Vehicles	0.89	0.75	0.65
Employee Accident Reports	193	148	154
Employee Lost Time Injuries Rate per 200,000 Hours Worked	5.7	5.9	6.1

Leading Indicators				
Roadway Safety	2020		2021	
	October	Year End	October	Year to Date
Workforce Development (# of Participants)	16	273	0	0
Fleet Preventative Maintenance Insp.	109	1463	133	1320
Safety Taskforce Inspections	0	0 *	3	14
Construction Safety	October	Year End	October	Year to Date
Construction Safety Inspections	128	1621	109	917
Fire Safety	October	Year End	October	Year to Date
Fire Code Audits Completed	2	14	1	14
FDNY Liaison Visits	3	12	14	31

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

** Conditions beginning Mid-March 2020 reflect an intra-pandemic period and therefore, is not indicative of prior history.

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.

Monthly Operations Report October 2021

Statistical results for the 12-Month period are shown below

Safety Report				
Performance Indicators	12-Month Average			
	Nov 18 - Oct 19	Nov 19 - Oct 20	Nov 20 - Oct 21	
Subways				
Subway Customer Accidents per Million Customers ¹	2.97	3.58	4.65	
Subway Collisions ²				
Total	1	2	2	
Mainline	0	0	0	
Yard	1	2	2	
Subway Derailments ²				
Total	5	9	9	
Mainline	1	4	1	
Yard	4	5	8	
Subway Fires ²	706	880	1,013	
Buses				
Bus Collisions Per Million Miles Regional	54.72	43.38	49.94	
Bus Collision Injuries Per Million Miles Regional	6.22	4.97	5.08	
Bus Customer Accidents Per Million Customers ¹ Regional*	1.49	1.58	1.94	
Total NYCT and MTA Bus Lost Time Accidents per 100 Employees ¹	4.21	5.24	4.72	

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 30, 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	23	294	340	86.5%
Joint Track Safety Audits -- Compliance Rate	98.3%	99.4%	100.0%	99.4%
Mainline Collision/Derailment Prevention				
Continuous Welded Rail Initiative (# of Track Feet)	2,216	22,711	9,999	227.1%
Friction Pad Installation	2,464	20,560	22,000	93.5%
Buses	October	YTD	Goal	YTD as % of Goal
Collision Prevention				
Audible Pedestrian Turn Warning System	31	280	780	35.9%
Vision Zero Employee Training	484	4,669	5,800	80.5%

2021 Quarterly Drug & Alcohol Testing

New York City Transit						
Quarter	Federally Mandated Tests			Other Agency Mandated Tests		
	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test
Q1	124	13	0	157	21	3
Q2	174	17	12	285	32	0
Q3	233	12	0	412	42	2

Staten Island Rail						
Quarter	Federally Mandated Tests			Other Agency Mandated Tests		
	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test
Q1	0	0	0	2	1	0
Q2	0	0	0	5	3	0
Q3	0	0	0	2	2	0

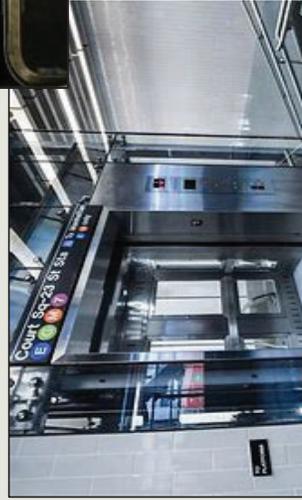
MTA Bus						
Quarter	Federally Mandated Tests			Other Agency Mandated Tests		
	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test	Within 8 hours (Regulatory Required)	Within 2 Hour (Goal)	Exceeded 8 Hours - No Alcohol Test
Q1	24	3	0	1	0	0
Q2	22	2	0	3	0	0
Q3	28	2	1	58	5	0



Safety & Security Committee Meeting

Committee Update

January 2022





Security Grant Program

Grant Awards Include:

- ▣ MTA TSGP (HQ & Agencies)
- ▣ Sub-Recipient TSGP (NYPD, NYS DHSES, etc.)
- ▣ Other Grant Programs (PSGP, UASI, BZPP, etc.)

TOTAL GRANT FUNDING AWARDED

Since 2003 \$956.44 million

For 2021 \$22.79 million

2021 Grant Projects Awarded

Proposed 2022 Grant Projects*

MTA PD – Directed Patrol Program	\$2.50M	MTA OOS – Chemical Agent/WMD Detection
MTA PD - Canine Sustainance	\$0.10M	MTA OOS – Front Line Employee Security Training
NYCT – ESS Design (Jay St/Metrotech Station)	\$1.87M	MTA PD – Directed Patrol Program
NYCT – ESS Installation (W 4 th St Station)	\$5.81M	MNR – Intrusion Detection (GCT Garage)
B&T – UAS Detection Measures	\$0.56M	
NYS DHSES – ESA Exercise Series	\$0.30M	
NYPD – Transit Security Operating Program	\$5.97M	
NYPD – RAPTOR Program	\$4.94M	
NYPD – Canine Unit	\$0.44M	*awaiting final submissions





Vaccination or Test Program

Compliance with Vax or Test program is sustained between 95-97% weekly

COVID-19 Diagnostic Test Program:

- ▣ Established 700+ test sites on MTA properties
- ▣ Provide 2 types of testing: Nasal Swab or Saliva
- ▣ 14,000-15,000 tests each week
- ▣ 155k tests collected since program officially started

Vaccination Support Activities:

- ▣ Accessing NYC and NYS Vaccination Registries to support identification of vaccinated employees
- ▣ Since announcement of Vax or Test Program on August 2nd – increase of 20,532 vaccinations records

	7/31/21 Recorded Vaccinations	01/18/2022 Recorded Vaccinations	01/20/2022 % w/ Vaccination Recorded
MTA	28,709	49,312	75%*

*** Survey data shows > 80% are vaccinated**





MTA

MTA

Year	Period	Index Crimes	Total Ridership	Index Crime Rate Per 100,000 Riders	Index Crime Rate Per 1,000,000 Riders
2018	01/01 – 11/30	2313	1,543,872,262	.150	1.50
2019	01/01 – 11/30	2253	1,557,939,011	.145	1.45
2020	01/01 – 11/30	1640	595,882,537	.275	2.75
2021	01/01 – 11/30	1581	681,337,615	.232	2.32

Drug Usage



Assault and Track Push



Shoving



Year	Period	Total Index Crimes	Total Ridership	Index Crime Rate Per 100,000 Riders	Index Crime Rate Per 1,000,000 Riders
2018	11/01 – 11/30	268	140,711,661	.190	1.90
2019	11/01 – 11/30	253	140,734,422	.179	1.79
2020	11/01 – 11/30	114	43,618,698	.261	2.61
2021	11/01 – 11/30	235	82,325,505	.285	2.85

Man pushed on tracks by naked EDP



Exposed in Station



Encampment and Drug Usage





Security - Crime

- Subway Major index crimes
 - Up 61.5% for the Last 4 weeks of December (12/4 - 12/31)
 - Up 1.1% Overall for 2021
 - Grand Larceny and Robbery are driving the recent increase
- Arrests are up 57.8% for the 28-day period and 57.8% for the year
- For CY 2021, Railroads Major index crime rate is up approximately 27%, but remains low and steady averaging 13 per month (Compared to 12 per month in 2020)

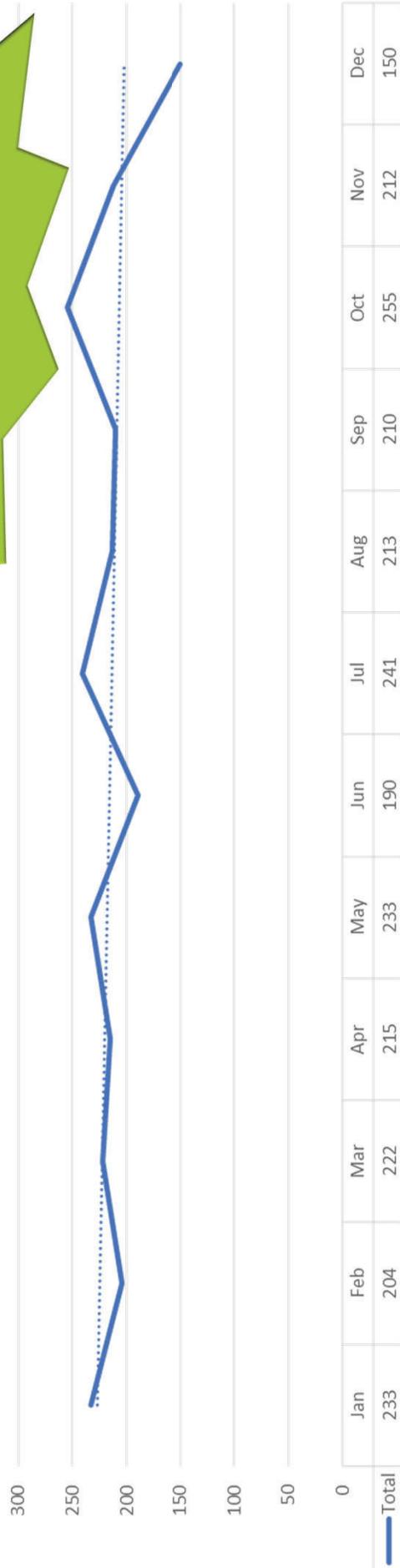




Workplace Violence

Workplace violence across MTA is trending lower

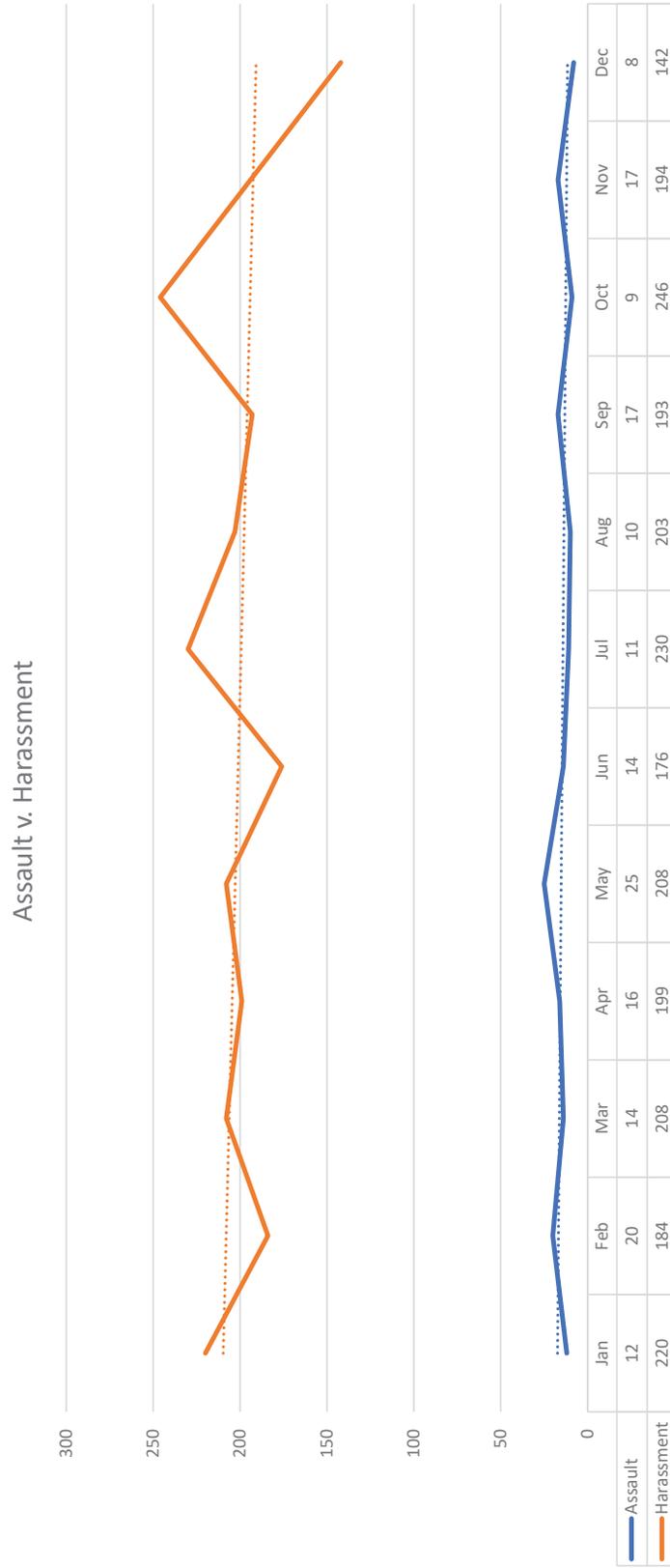
All Agency WPV Cases 2021



*December cases subject to change based on new info



Workplace Violence Assaults v. Harassments



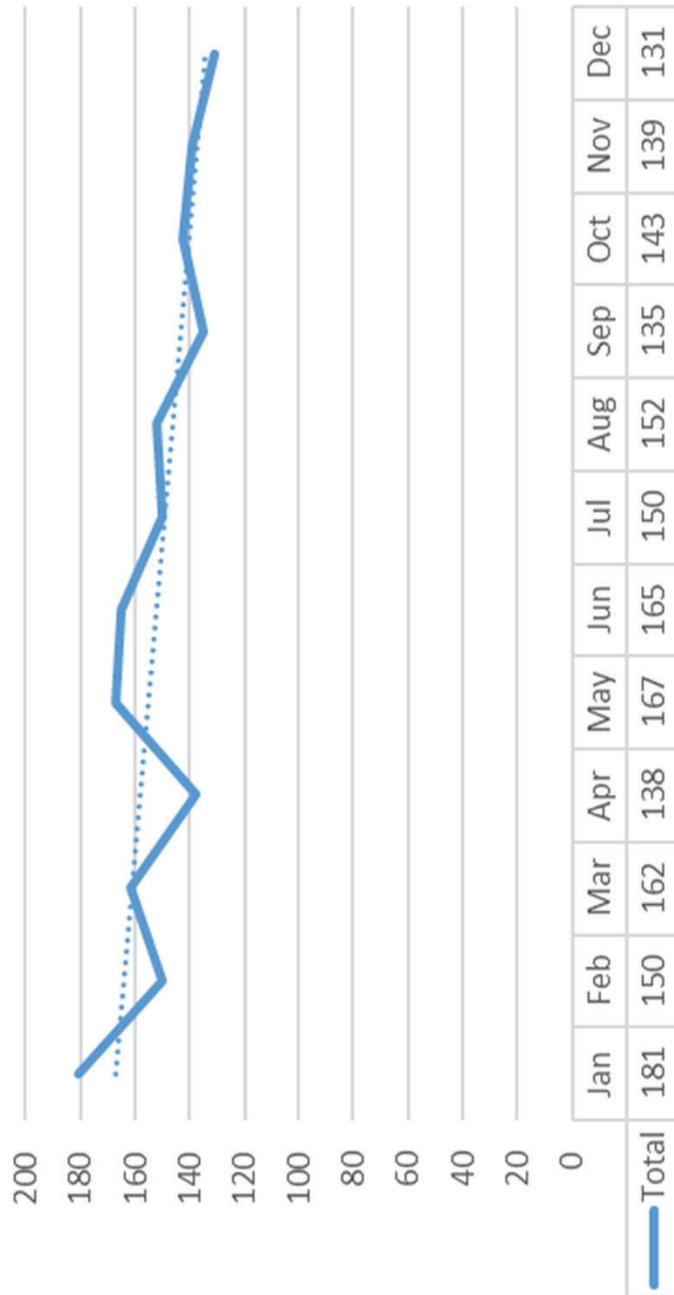


- Crime and harassment is the number one concern of current customers in the system
- Considering the future, crime and harassment was the most concerning/very concerning to lapsed customers (79%).
- Mask wearing was the most concerning/very concerning to current customers (55%).
- Crime and Harassment is an overall problem in the entire system:
 - 34 St-Herald Sq B,D,F,M,N,Q,R,W and 42 St-Port Authority Bus Terminal A,C,E were rated the lowest among the high-volume stations at only 23%.
 - 125 St 456 was the lowest rated station in the system at only 10%.

Crime and harassment in stations (1)



2021 Vandalism Incidents



Smashing LCD Screen

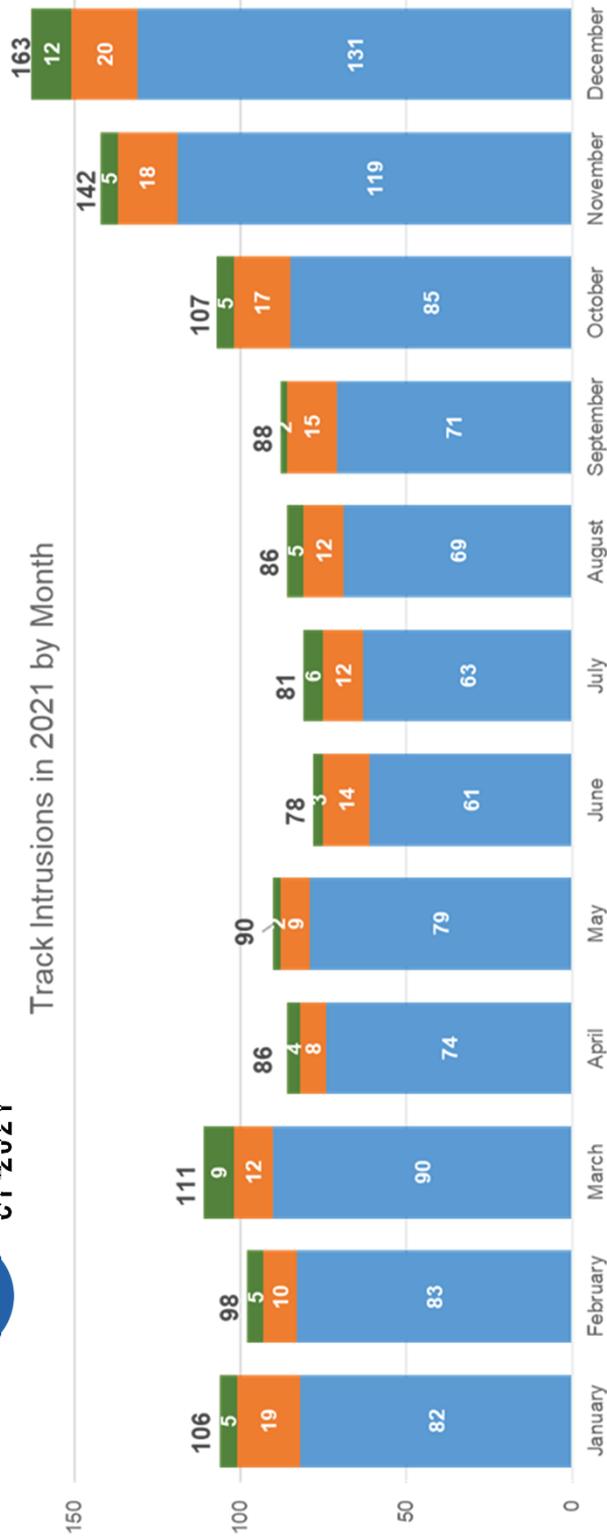




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Track Intrusions in 2021 by Month



Month	Events Count
January	106
February	98
March	111
April	86
May	90
June	78
July	81
August	86
September	88
October	107
November	142
December	163





Mask Compliance Subway, Bus, MNR, & LIRR

Mask Worn

