

Safety Updates

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June 20, 2024



- OSHA and PPE Updates
- DPU Triennial Audit Response Update
- MBTA Safety Symposium
- Safety Performance Indicators and Trend Analysis - April 2024
- MBTA Safety Events



OSHA and PPE Safety Updates

DPU Triennial Audit Response Update



TRIENNIAL SAFETY AUDIT OF THE MBTA



MBTA Safety Symposium June 10, 2024





Safety Performance Indicators and Trend Analysis Highlights April 2024

Bus

- Notable improvement in Bus Customer Injuries Rate
- Notable decrease in Bus vs. Pedestrian Collisions
- Target for MBTA Bus NTD Safety Events has not been met for several month

Heavy and Light Rail

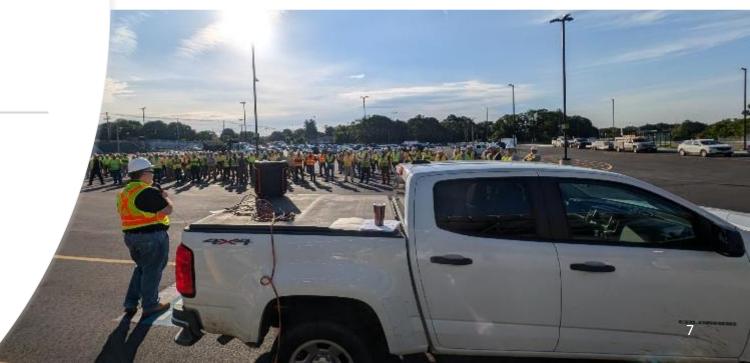
- Notable improvement in Red and Blue Line Customer Injuries Rate
- Continued success reported in system reliability for Heavy Rail Mean Miles between Mechanical Failures performance
- All Smoke/Fire Incident targets were met in April for Rail

Commuter Rail

 Accident Frequency ratio less than half of what it was this time last year.

Recent MBTA Safety Events





Questions?



Appendix

Safety Performance Indicators and Trend Analysis Bus

- There were 12 Bus NTD Reportable Safety Events exceeding the monthly performance target of 7.33.
- There were 27 Bus NTD Reportable Injuries (this includes both customer and employee transported injuries), exceeding the monthly target of 21.
- The customer Injury rate of 2.17 customer injuries per one million passenger trips fell within the monthly performance target of 2.55.
- Slight improvement in Bus System Reliability with April's Mean Miles Between Mechanical Failures at 25,832, compared to March's 22,826, but falling short of the 28,500 monthly target.
- There was only 1 Bus vs. Pedestrian collision.





Safety Performance Indicators and Trend Analysis – *Heavy Rail*

- There were 11 Heavy Rail NTD Reportable Safety Events in April, falling short of our target (1.92).
- There were 21 NTD Reportable Injuries on Heavy Rail, falling short of our performance target of 14.
- There were 8 Maintenance Vehicle derailments on Heavy Rail in April, 7 Blue Line and 1 Orange Line. These events are closely associated with Surge activities.
- The Blue Line had O Customer Injuries in April.
- The Orange Line had a Customer Injury rate of 3.16 customer injuries per one million passenger trips, exceeding the monthly performance target of 2.12.
- The Red Line had a Customer Injury rate of 2.39 customer injuries per one million passenger trips, falling within the monthly performance target of 2.45.
- Continued success in system reliability for Heavy Rail. Heavy Rail Mean Miles Between Mechanical Failures performance in April was 57,277 compared to the target of 49,000.



Safety Performance Indicators and Trend Analysis – *Light Rail*

- There were 3 Light Rail NTD Reportable Safety Events in April, exceeding the monthly performance target of 2.25 events or fewer.
- There were 8 Light Rail NTD Reportable Injuries, exceeding the monthly performance target of 6.58 and outside MBTA's trend toward fewer injuries.
- There was 1 yard derailment on Light Rail.
- There was a notable improvement in system reliability for Light Rail. Light Rail Mean Miles Between Mechanical Failures performance in April was 10,137 compared to the target of 7,900.
- Significant Improvement in Reportable Smoke/Fire Incidents on the Light Rail, with only 1 reportable fire/smoke incident in April compared to the past 13month average of 4 and the performance target of 3.95.



Safety Performance Indicators and Trend Analysis Commuter Rail and Ferry

- Commuter Rail's April accident frequency ratio stands at 1.2, indicating better performance compared to the year-to-date ratio of 2.9.
- In April 2024, the Commuter Rail reported 3 Reportable and 1 Non-Reportable employee injuries, with 2 passenger injuries recorded.
- There were O Commuter Rail derailments reported in April.
- Additionally, there was 1 reportable rule violation on the Commuter Rail.
- Ferry had O Reportable and 1 Non-Reportable employee injury, with 1 passenger injury reported.