Can't Wait:
Prioritizing Subway Repairs

Brian Scannell

Raise your Hand if You've Been Stuck On the Subway

1min 5min 10min 20+min

Current Status

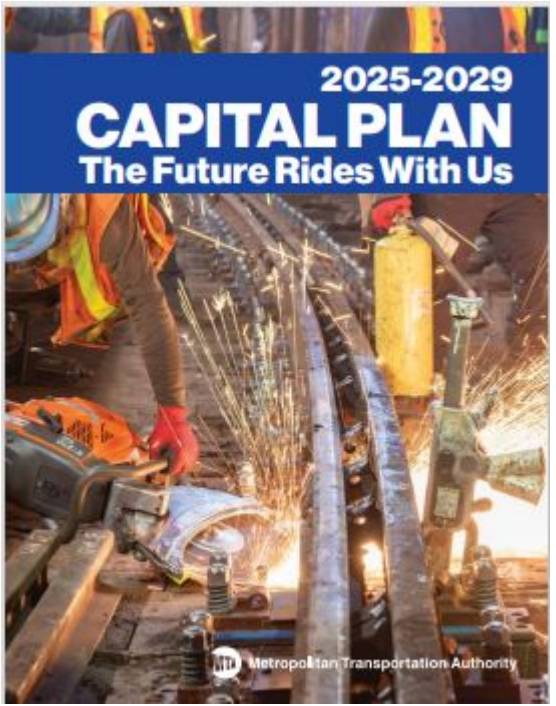
100+ years old signaling

Large Investment

The Plan

The MTA will replace at least 75 miles of outdated signals along the

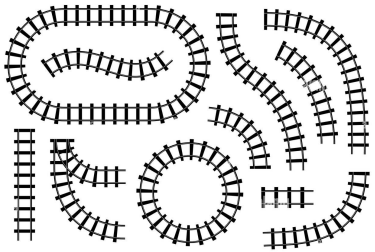
- N, Q, R, W,
- J, Z
- A & Rockaway Beach S



The Policy

The MTA should prioritize subway track maintenance on the routes with the longest average wait time with a robust action plan to address the significant factors that increase wait time.

Known Factors



Infrastructure

Police and Medical Responses

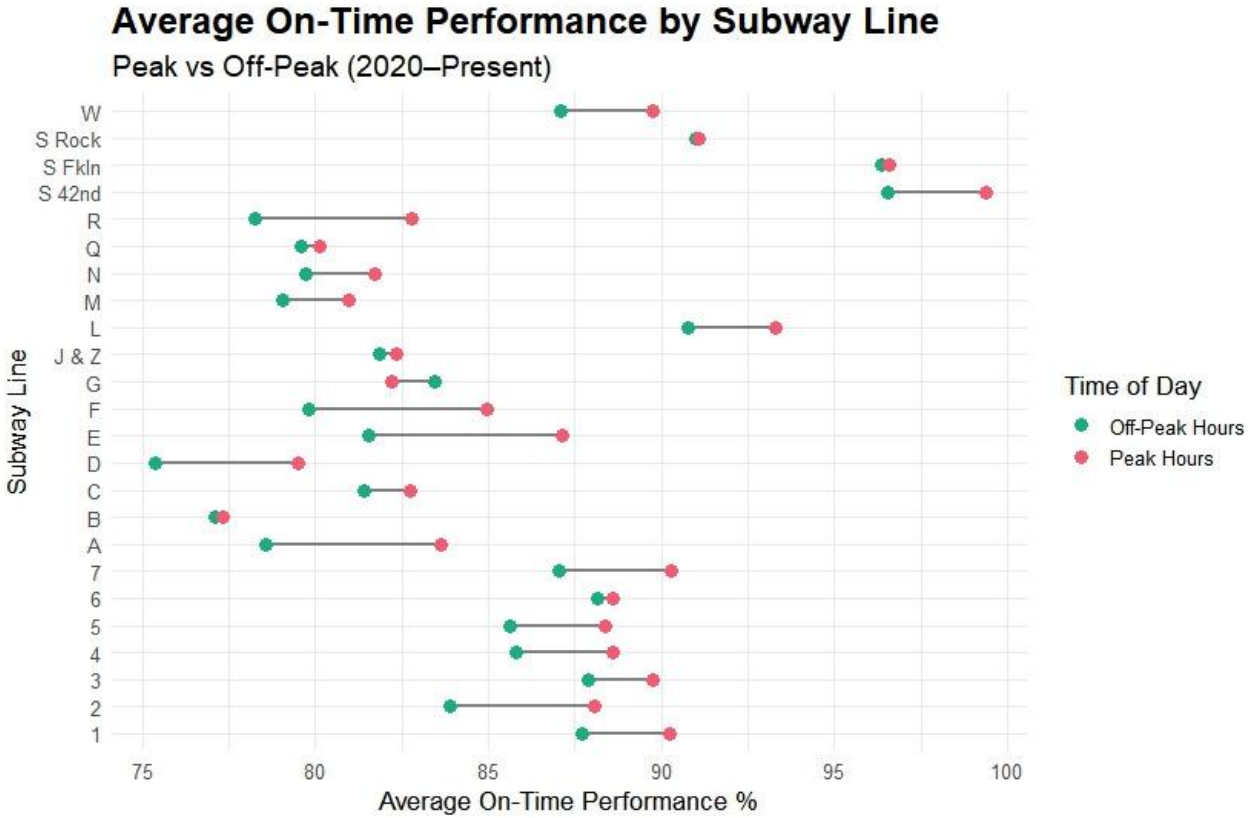
Worker Absence

In your Experience...

Route Factors

Metric	Significance
Length of Route	✗
Time to Complete a Route	✓
Number of Stops on Route	✓
Total Routes Ran in the Past Year	✗

Significance at an 80% Confidence Interval

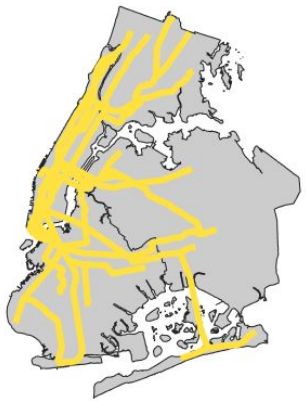

Average On-Time Performance by Subway Line
Peak vs Off-Peak (2020–Present)
Subway Line
W
S Rock
S Fkln
S 42nd
R
Q
N
M
L
J & Z
G
F
E
D
C
B
A
7
6
5
4
3
2
1
75
80
85
90
95
100
Average On-Time Performance %
Time of Day
Off-Peak Hours
Peak Hours

Select Results

Most Reliable		The Peak 42nd Street Shuttle	99.3%
Least Reliable		The Off-Peak D Train Line	75.3%
Most Consistent between On/Off Peak		The Rockaway Park Shuttle	0.08% Difference
Least Consistent between On/Off Peak		The E Train Line	5.57% Difference

The Majority of MTA Subway Routes Passengers Arrive Between Between 80% and 90% On Time

Over 90% of Passengers Arrive on Time



Between 80% and 90% of Passengers Arrive on Time

Below 80% of Passengers Arrive on Time

Equity Case Study

Passengers Arrive On Time the **Least** on the B-Train

B-Train Route

Zip Codes Serviced

$94,468 Median Family Income

Passengers Arrive on On-Time the **MOST** on the L-Train

L-Train Route

Zip Codes Serviced

$87,364 Median Family Income

The Wrap-Up

The more reliable public transit services become, the more people can build their schedule and routine around them. Greater ridership promotes sustainability goals, reduces dependencies on car-related expenses, and better prepares NYC for our continually growing population.