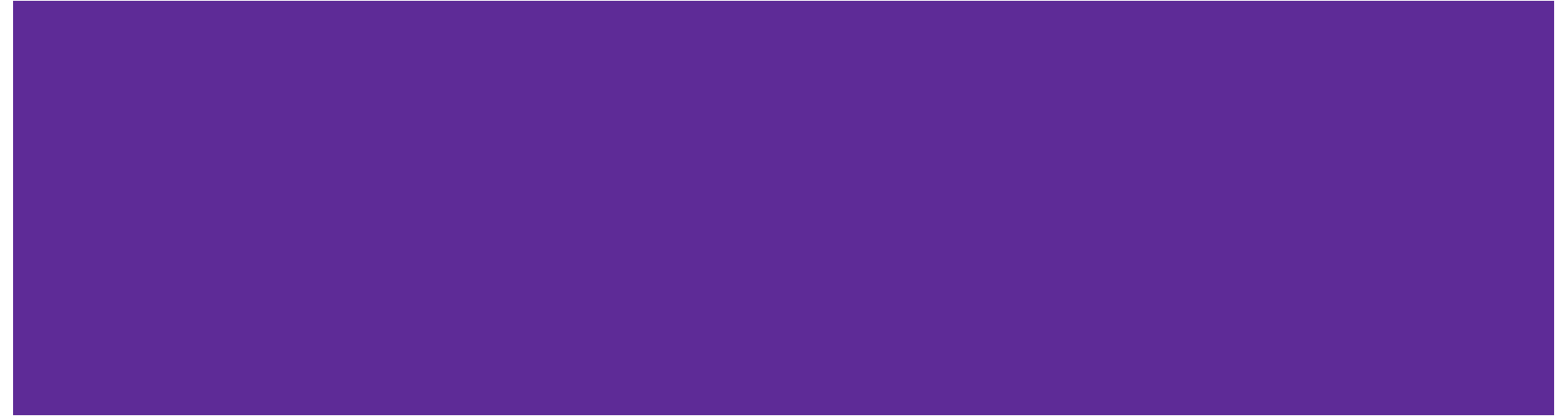


Can't Wait: Prioritizing Subway Repairs

Brian Scannell



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

1min

5min

10min

20+min



Current Status



100+ years old signaling

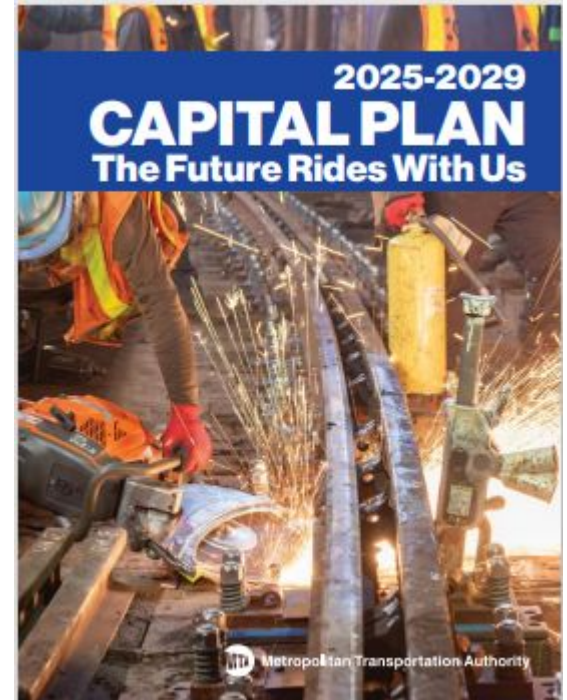


Large Investment

The Plan

The MTA will replace at least 75 miles of outdated signals along the

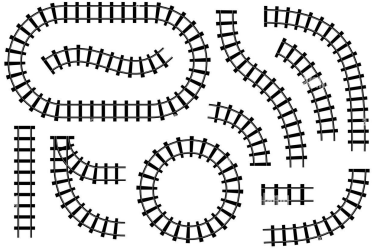
- N, Q, R, W,
- J, Z
- A & Rockaway Beach S



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...



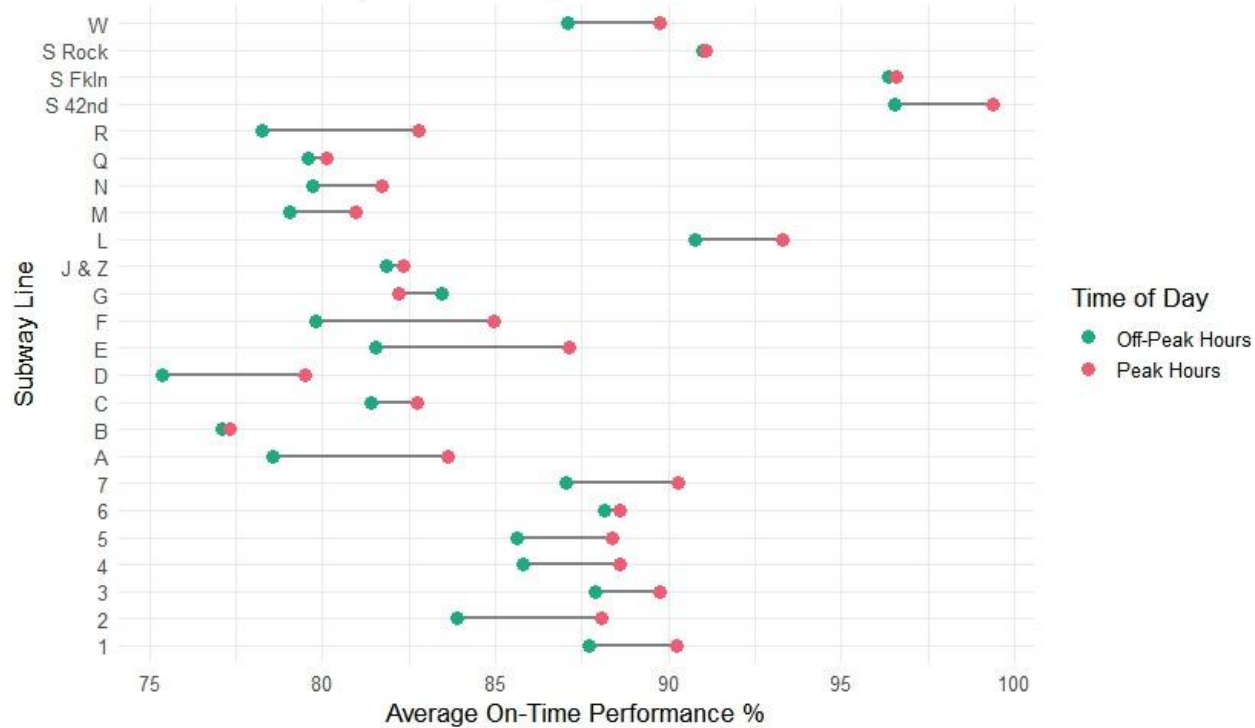
Route Factors

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)



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

MTA Capital Plan Largely Align With Greatest Need

The Planned Priority Track Upgrades Align with Subway Routes that Have Fewer Passengers Completing their Trip on Schedule.

Subway Line	Percent of Passenger's On-Time	▲ Rank of Least Reliable	Current MTA Priority Status
B	77	1	Not
D	77	2	Not
Q	80	3	Priority
M	80	4	Not
R	81	5	Priority
N	81	6	Priority
A	81	7	Priority
C	82	8	Not
J & Z	82	9	Not
F	82	10	Not
G	83	11	Not
E	84	12	Not
2	86	13	Not
5	87	14	Not
4	87	15	Not
6	88	16	Not
W	88	17	Priority
7	89	18	Not
3	89	19	Not
1	89	20	Not
Rockaway Park Shuttle	91	21	Priority
L	92	22	Not
Franklin Avenue Shuttle	96	23	Not
42nd Avenue Shuttle	98	24	Not

The Rows at the Top are Routes Most in Need of Upgrades

The Yellow Rows are the Routes that the MTA Capital Plan Prioritizes.

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.