



MTA LIRR: Innovations in Railroading

LIRR >>>
FORWARD



Key

Full Time rail stations

Accessible station

Part Time rail station

Major Transit Hub ○

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LIRR ***FORWARD***

Find root causes

Tackle recurring problems

Proactively address issues

Improve public communication

Seek innovation

State-of-Good-Repair

Hardening Infrastructure For Reliability

- Switch replacements
- Rail replacements
- Concrete tie replacements
- Increasing Sperry rail testing



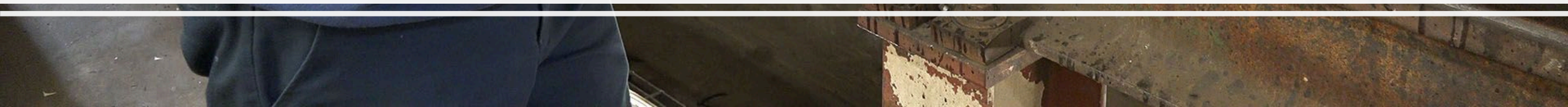


Mitigating Mother Nature

- Second laser train added this season
- Increased Wheel Truing
- Increased Pressure Washing
 - Strengthen/replace utility poles
- Snow switch covers
- Third rail heaters
- Vegetation management



Laser Train: A World-Wide Industry First!





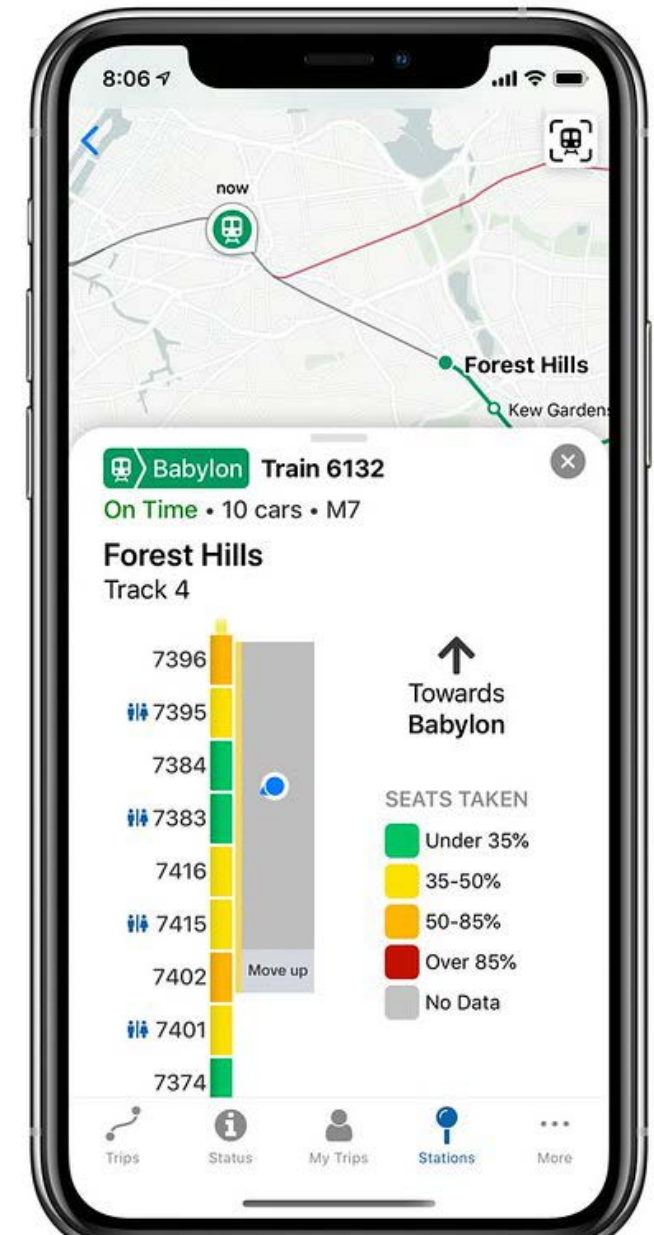
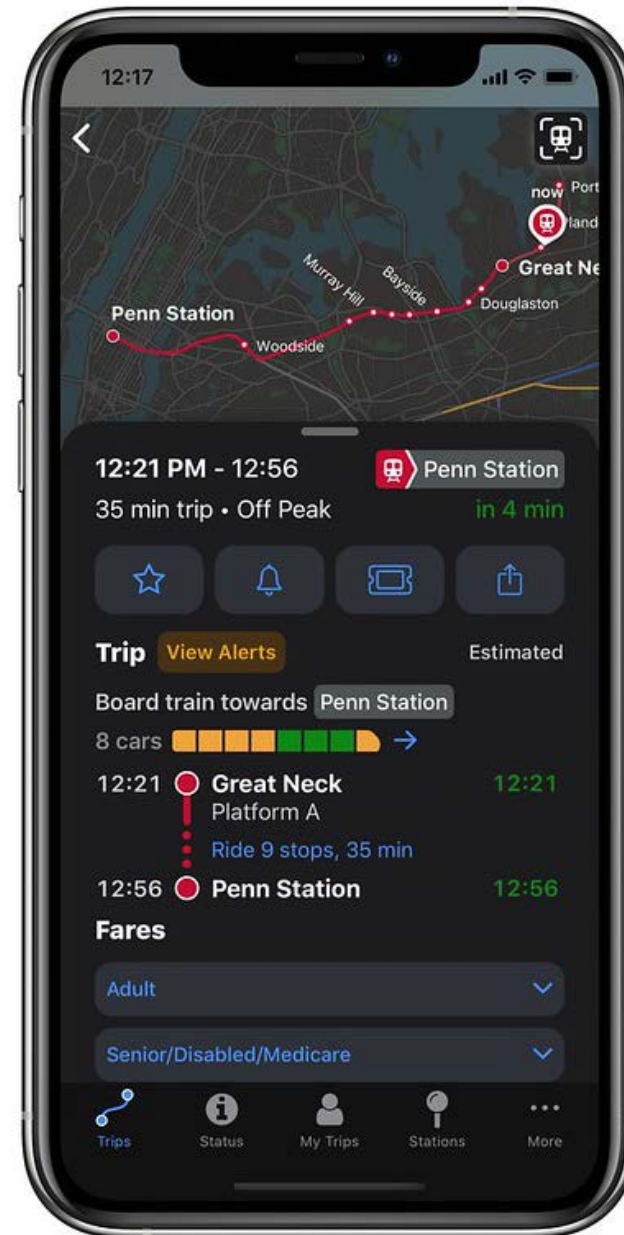
Grade Crossing Delineators/Waze

Industry-Leading Effort Recognized by U.S. Department of Transportation

Evolving Ways We Communicate with Customers

Real-time information:

- Train tracking
- Passenger loading
- Historical load-weight data
- Push notifications
- Track assignments
- Fully translated to Spanish, Chinese, Korean



Project Delivery



East Side Access



Double Track



LIRR Expansion

Modernizing Long Island

East Side
Access

LIRR
Expansion

Double
Track

Jamaica
Station

After 70 years of stagnation, a series of
transformative LIRR capital projects are moving forward.



COVID-19: Rising to the Challenge

- Cleaner than ever: Increased cleaning onboard trains and at stations and in LIRR work spaces to never-seen-before frequencies
- Mandatory masks: State law requires masks on board trains and at stations
- Mask Force: Handing out 6 million+ masks to customers to date



Air Purification Technology

- Proven to kill 99.9998% of all airborne viruses, including COVID-19
- Certified by EPA-approved facility
- LIRR testing underway



Heroes moving heroes

We're on the job so other essential workers can get to theirs.

Bryan
LIRR Ronkonkoma Yard May 11, 2020

