

# 2022 3rd Quarter Maintenance of Way Division

Track, Structures, Stations and Facilities

Long Island Rail Road



# Long Island Rail Road

## ▣ Track Projects Systemwide

- ▣ Mechanized Tie Replacement – 875,500 Systemwide Wood Ties\* (13,200 planned) \* Excl. Yards
  - ▣ Hempstead: Park 2 to Garden - 3,600 Ties Planned; 3,759 Installed (104% complete)
  - ▣ Oyster Bay: East Williston to Locust - 9,600 Ties Planned; 9,658 Installed (101% complete)

Total Mechanized Ties: 13,200 ties Planned; 13,417 Installed (101% of Goal - Complete)

- ▣ Concrete Tie Replacement – 501,250 Systemwide Concrete Ties\* (32,260 planned) \* Excl. Yards
  - ▣ Mainline: Queens to Carle Place - 22,260 Ties Planned; 19,749 Installed (89% complete)
  - ▣ Atlantic: Hall to Valley - 5,000 Ties Planned; 6,018 Installed (120% complete)
  - ▣ Hempstead: Bellerose to Park 2 - 5,000 Ties Planned; 2,756 Installed (55% complete)
  - ▣ Mainline: Divide 2 to Divide 3 – 1,392 Installed (Added Location)\*

Total Concrete Ties: 32,260 ties Planned; 29,915 Installed (93% of Goal)

- ▣ Continuous Welded Rail (CWR) – 1,017 Rail Miles Systemwide\* (40,000 lineal ft., 7.58 mi. planned) \* Excl. Yards
  - ▣ Atlantic: Hall to Valley – 20,000 lineal ft. Planned; 24,177 lineal ft. Installed (120% complete)
  - ▣ Hempstead: Bellerose to Park 2 - 20,000 lineal ft. Planned; 11,024 lineal ft. Installed (55% complete)

Total Continuous Welded Rail : 40,000 lineal ft. Planned; 35,201 lineal ft. Installed (88% of Goal)

- ▣ Field Welds – 1200 ea. planned
  - ▣ Systemwide Locations: 1200 ea. Weld Planned; 914 ea. actual (76% of Goal)



# Long Island Rail Road

## ▣ Track Projects Systemwide

- ▣ Track Surfacing – 501 Track Miles\* (68 mi. planned) \* Excl. Yards
  - ▣ Atlantic: Hall to Valley – 2 mi.; 2.2 mi. actual (110% complete)
  - ▣ Hempstead: Park 2 to Garden - 6 mi.; 6 mi. actual (100% complete)
  - ▣ Hempstead: Bellerose to Park 2 - 2 mi.; 1 mi. actual (50% complete)
  - ▣ Mainline: Queens to Carle Place - 8 mi.; 7 mi. actual (88% complete)
  - ▣ Oyster Bay: East Williston to Locust - 18 mi.; 9 mi. actual (50% complete)
  - ▣ Other Locations Systemwide – 32 mi.; 25.4 mi. actual (79% complete)

Total Track Surfacing: 68 mi. Planned; 50.6 mi. actual (74% of Goal)

- ▣ Switch Renewal – 916 Switches Systemwide / 572 Main Line & 344 Yard (16 ea. planned)
  - ▣ West Side Yard – 9 ea. Planned; 2 Installed (22% complete)  
(WSSY Slip Sw. 27C, 51, 55, 57, 59, 37C, 39C, 69C, 87)
  - ▣ Mainline: Divide 21W / 21E - 2 ea. Planned; 2 Installed (100% complete)
  - ▣ Mainline: Divide 13W – 1 ea. (New); 1 Installed (100% complete)
  - ▣ Mainline: Nassau 2 - 2 ea. Planned; 2 Installed (100% complete)
  - ▣ Mainline: Queens 221 Crossover - 2 ea. Planned; 2 Installed (100% complete)
  - ▣ Montauk: Jay 65 Sw. – 1 ea. Planned; 1 Installed (100% complete)
  - ▣ Hicksville Yard 1sw & 2sw – 2 ea. (New); 2 Installed (100% complete)

Total Switch Renewal: 16 ea. Planned; 12 ea. Installed (75% of Goal)



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## ❑ Track Testing

- ❑ Ultrasonic Rail Testing – 475 Track Miles\* (4 runs per year) \* Excl. Class 2 and Class 1 w/in Yard Limits
  - ❑ Systemwide Continuous Testing – 1,410 mi. completed
  - ❑ Total defects found & corrected – 252
- ❑ Track Geometry Vehicle – 509 Track Miles / 200 Yard Miles (4 runs per year mainline, 2 runs per year yard)
  - ❑ Systemwide – 1,927 mi. completed

## ❑ Bridge Timber Replacements

- ❑ Port Washington
  - ❑ Stonytown Road MP 16.3 – 24 Timbers (100% complete)
- ❑ Long Beach
  - ❑ East Rockaway MP 18.7 (0% complete) Note: This work will continue into 2023.

## ❑ Switch Timber Replacements

- ❑ Systemwide – 20,000 lineal ft. Planned; 18,317 lineal ft. Installed (91% of Goal)

## ❑ Grade Crossing Rehabilitation

- ❑ Montauk Branch: River Road – 1 Planned; 0 Installed (0% of Goal)



# Long Island Rail Road

## ▣ Station SGR Projects

### ▣ Montauk Branch

- ▣ Sayville MP 49.1 – Slab & Flag Repairs (100% complete)
- ▣ Oakdale MP 46.7 – Slab Repairs (100% complete)
- ▣ Great River MP 44.6 – Slab & Flag Repairs (90% complete)
- ▣ Islip MP 42.4 – Slab Repairs (90% complete)
- ▣ Patchogue MP 53.2 - Slab Repairs (100% complete)
- ▣ Massapequa Park MP 28.8 – Flag Repairs (100% complete)

### ▣ Port Washington Branch

- ▣ Mets/Willets MP 6.7 - Flag Repairs (0% complete)
- ▣ Bayside MP10.7 - Station Building Repairs (85% complete)
- ▣ Murray Hill MP 8.4 – Flag Repairs (100% complete)
- ▣ Plandome MP 16.3 – Station Building Repairs (0% complete) Note: This work will continue into 2023.

### ▣ Main Line Branch

- ▣ Ronkonkoma MP 48.5 – Flag Repairs (0% complete) Note: This work will continue into 2023.
- ▣ Ronkonkoma Yard EIC Platform Installation (47% complete) Note: This work will continue into 2023.

### ▣ Hempstead

- ▣ Bellerose MP 14.4 – Slab and Pier Repairs (93% complete) Note: Pending pump truck procurement.

### ▣ Atlantic

- ▣ Rosedale MP 13.8 – Station Platform Repairs (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.

### ▣ Far Rockaway

- ▣ Gibson MP 16.4 – Station Building Repairs (0% complete) (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.



# Long Island Rail Road

## □ Station SGR Projects

- Oyster Bay
  - Sea Cliff MP 26.8 – Retaining Wall and Ramp Replacement (40% complete)
- Port Jefferson
  - Northport MP 39.6 – Platform Replacement (5% complete) Note: This work will continue into 2023.
- IT Racks Installation at all 125 stations (100% complete)
- Tactile Installation at 25 stations (46% complete) Note: This work will continue into 2023.

## □ Bridge SGR Projects

- Montauk Branch
  - Merrick Blvd MP 13.0 - Bearing Repairs (100% complete)
  - Fresh Pond Road MP 39.0 – Bridge Removal (10% complete) Note: Pending on Spray contract and Cold weather to commence.
  - Dutch Kills Draw Bridge MP 8.0 – Flag Repairs (100% complete)
- Main Line Branch
  - 39<sup>th</sup> Ave and 57<sup>th</sup> Street MP 29.0 – Flag Repairs (50% complete)
  - Ronkonkoma Knuckle Room Bridge MP 48.5 – Flag Repairs (0% complete) Note: This work will continue into 2023.
- Bay Ridge
  - Cypress Ave MP 10.7 – Bearing Replacement (67% complete)



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## ▣ Structural Flags

**Flag repairs are a combination of replacing deteriorated components of the existing LIRR Infrastructure. These repairs include bridge seats, abutments, girders, beams, bearings, bracing members, wingwalls, etc.**

### ▣ Main Line

- ▣ 69th St. Fisk Ave 22-04O036-1 MP 3.6 (100% complete)
- ▣ 69<sup>th</sup> Street Fisk Ave 22-04O036-3 MP 3.6 (0% complete) Note: Pending track-outage availability. Dependent on NYCTA project outages.
- ▣ Hollis Station 22-09O116-1 MP 11.6 (100% complete)
- ▣ Hicksville Viaduct MP 25.0(100% complete)
- ▣ Raynor Avenue MP 72.9 (100% complete)
- ▣ Continental Ave MP 6.7 (100% complete)
- ▣ Union Hall Street North Bridge MP 10.0 (100% complete)
- ▣ Farmers Blvd. & Hollis Ave MP 11.5 (30% complete)
- ▣ Floral Park Station Platform A, B, C MP 14.9 (0% complete) Note: Pending Track-outage availability
- ▣ Medford MP 54.2 (100% complete)
- ▣ Guy R. Brewer Center Bridge MP 10.1 (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.
- ▣ Sutphin Boulevard MP 9.3 (25% complete) Note: Flag inactivated.
- ▣ 61<sup>st</sup> Street MP 3.1 (100% complete)
- ▣ 47<sup>th</sup> Avenue Adam St MP 3.7 (10% complete)
- ▣ 57<sup>th</sup> Street MP 4.8 (100% complete)
- ▣ 177<sup>th</sup> Street MP 10.7 (100% complete)

### ▣ Port Washington

- ▣ 94th Street Pedestrian Overpass 22-42B052-1 MP 5.2 (100% complete)
- ▣ 44-9064-A Little Neck Platform A MP 12.5 (100% complete)
- ▣ HT Tower E. Shea Stadium MP 7.1 (0% complete) Note: Pending Track-outage availability



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### ▣ Port Jefferson

- ▣ Woodbury Road MP 31.1 (100% complete)
- ▣ Hicksville Viaduct MP 25.1 (100% complete)
- ▣ Stony Brook Station Pedestrian Overpass MP 53.2 (100% complete)
- ▣ River Road Crossing MP 47.8 (100% complete)
- ▣ Smithtown Overpass MP 47.1 (80% complete)
- ▣ Huntington MP 34.7 (0% complete) Note: Waiting on Contractor to finalize work for force account to start.

### ▣ Montauk Branch

- ▣ 34-9391-AC1 Lindenhurst Canopy # 1 MP 33.3 (100% complete)
- ▣ Skillman Avenue East MP .1 (100% complete)
- ▣ 34-9383-A Merrick Platform A MP 23.6 (100% complete)
- ▣ Park Avenue MP 18.7 (100% complete)
- ▣ Baldwin Viaduct MP 20.5 (100% complete)
- ▣ Copiague Viaduct MP 31.7 (100% complete)
- ▣ Carll Avenue South Bridge MP 35.9 (100% complete)
- ▣ Sayville Pedestrian Overpass MP 49.1 (100% complete)
- ▣ Copiague Staircase MP 31.7 (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.
- ▣ Richmond Hill Viaduct MP 7.5 (0% complete) (0% complete) Note: This work will continue into 2023.





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### ▣ Far Rockaway

- ▣ 57-9334-B Gibson Platform B 22-ENG2616-1 MP 16.4 (100% complete)
- ▣ 57-9334-B Gibson Platform B 22-ENG2616-2 MP 16.4 (100% complete)

### ▣ Hempstead

- ▣ 60-9138-A Nassau Boulevard Platform A 22-ENG2701-1 MP 17.3 (100% complete)

### ▣ West Hempstead

- ▣ 64-9164-A Lakeview Platform A 22-ENG3664-1 MP 18.8 (100% complete)
- ▣ 64-9167-A Westwood Platform A Track Access Stairs #1 MP 16.8 (100% complete)

### ▣ Oyster Bay

- ▣ Glen Cove Back Road MP 24.3 (100% complete)
- ▣ Buckram Road MP 30.0 (100% complete)
- ▣ Hicksville Viaduct MP 25.1 (100% complete)
- ▣ Locust Valley MP 29.0 (100% complete)

### ▣ Atlantic

- ▣ Flatbush Terminal To Bedford Ave 22-51T001-1 MP .1 (100% complete)
- ▣ 48-9471 Atlantic Terminal other LIRR Area MP .1 (10% complete) Note: This work will continue into 2023.
- ▣ Beaver Road MP 9.4 (100% complete)
- ▣ Liberty Avenue MP 9.6 (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.
- ▣ South Street MP 9.8 (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.
- ▣ Beaver Viaduct MP 9.4 (0% complete) Note: Commencement of work late 4<sup>th</sup> Quarter.

