

Long Island Rail Road

2022 4th Quarter Maintenance of Way Division

Track, Structures, Stations and Facilities

Long Island Rail Road



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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; 4,351 Installed (121% complete)
 - Oyster Bay: East Williston to Locust - 9,600 Ties Planned; 9,658 Installed (101% complete)Total Mechanized Ties: 13,200 ties Planned; 14,009 Installed (106% 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; 23,323 Installed (105% 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; 33,489 Installed (104% 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)
 - Mainline: Queens to Carle Place – 13,493 Installed (Added Location)
 - Mainline: Divide 2 to Divide 3 – 5,568 Installed (Added Location)Total Continuous Welded Rail : 40,000 lineal ft. Planned; 54,262 lineal ft. Installed (136% of Goal)

- Field Welds – 1200 ea. planned
 - Systemwide Locations: 1,200 ea. Weld Planned; 1,351 ea. actual (112% of Goal)



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Track Projects Systemwide

- Track Surfacing – 501 Track Miles* (68 mi. planned) * Excl. Yards
- Atlantic: Hall to Valley – 2 mi.; 2.4 mi. actual (110% complete)
- Hempstead: Park 2 to Garden – 6 mi.; 6 mi. actual (100% complete)
- Hempstead: Bellerose to Park 2 - 2 mi.; 1.2 mi. actual (60% complete)
- Mainline: Queens to Carle Place - 8 mi.; 9.9 mi. actual (123% complete)
- Oyster Bay: East Williston to Locust - 18 mi.; 18 mi. actual (100% complete)
- Other Locations Systemwide – 32 mi.; 57.5 mi. actual (179% complete)

Total Track Surfacing: 68 mi. Planned; 95 mi. actual (140% 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 – 1,844 mi. completed
 - ❑ Total defects found & corrected – 343 (including stop & verify)

- ❑ Track Geometry Vehicle – 509 Track Miles / 200 Yard Miles (4 runs per year mainline, 2 runs per year yard)
 - ❑ Systemwide – 2,436 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; 21,827 lineal ft. Installed (109% of Goal)

- ❑ **Grade Crossing Rehabilitation**
 - ❑ Montauk Branch: River Road – 1 Planned; 1 Installed (100% of Goal)



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- ❑ **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 (100% complete)
 - ❑ Islip MP 42.4 – Slab Repairs (100% 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 (100% complete)
 - ❑ Murray Hill MP 8.4 – Flag Repairs (100% complete)
 - ❑ Plandome MP 16.3 – Station Building Repairs (30% 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 1st Quarter 2023.
 - ❑ Far Rockaway
 - ❑ Gibson MP 16.4 – Station Building Repairs (0% complete) Note: Commencement of work 4th Quarter 2023.



Long Island Rail Road

▣ Station SGR Projects

- ▣ Oyster Bay
- ▣ Sea Cliff MP 26.8 – Retaining Wall (92% Completed) and Ramp Replacement (20% complete)
- ▣ Port Jefferson
- ▣ Northport MP 39.6 – Platform Replacement (15% 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 – Pedestrian Bridge Removal (10% complete) Note: Bridge to be removed by 2nd Quarter 2023.
- ▣ Dutch Kills Draw Bridge MP 8.0 – Flag Repairs (100% complete)
- ▣ Main Line Branch
- ▣ 39th Ave and 57th 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 (88% complete)



Long Island Rail Road

□ 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 22-04O0036-1 MP 3.6 (100% complete)
 - 69th Street Fisk Ave 22-04O0036-3 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 (20% 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 4th Quarter 2023.
 - Sutphin Boulevard MP 9.3 (25% complete) Note: Flag inactivated with interim repairs.
 - 61st Street MP 3.1 (100% complete)
 - 47th Avenue Adam St MP 3.7 (100% complete)
 - 57th Street MP 4.8 (100% complete)
 - 177th 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)
 - ▣ Carl 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 1st Quarter 2023.
 - ▣ Richmond Hill Viaduct MP 7.5 (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: This work will continue into 2023.
 - ▣ South Street MP 9.8 (0% complete) Note: This work will continue into 2023.
 - ▣ Beaver Viaduct MP 9.4 (0% complete) Note: This work will continue into 2023.

