



2023 3rd Quarter Maintenance of Way Division

**Track, Structures, Stations and Facilities
Metro-North Railroad**

September 2023



Track Projects Systemwide

Production Tie Replacement – 1,758,250 systemwide wood ties (30,850 ties planned)

▫ Hudson	7,300 ties planned	7,010 installed	96%
▫ Harlem	7,500 ties planned	0 installed	0%
▫ New Haven	8,050 ties planned	4,830 installed	60%
▫ New Canaan	8,000 ties planned	12,060 installed	100%
Total 2023	30,850 ties planned	23,900 installed	77%

* All subject to change due to current events



□ Rail Vac (Wood Ties) – 4,000 ties planned

□	GCT	80	ties installed
□	Hudson	1,041	ties installed
□	Harlem	435	ties installed
□	New Haven	179	ties installed
	Total 2023	1,735	ties installed 43%

□ Rail Replacement – 1,508 rail miles systemwide (8.6 miles planned)

□	Hudson Line	0.6	miles planned	0	installed	0%	complete
□	New Haven	8	miles planned	11	installed	100%	complete
□	New Canaan <i>(added)</i>	1.3	miles	1	installed	100%	complete
	Total 2023	9.9	miles planned	12	installed	90%	

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□ Welds (1,300 joints planned)

□ GCT	12	joints completed	
□ Hudson Line	411	joints completed	
□ Harlem Line	234	joints completed	
□ New Haven	253	joints completed	
□ West Of Hudson	6	joints completed	
Total 2023	916	joints completed	70%

□ Switch Renewal – 1,500 Switches systemwide (24 switches planned)

□ GCT	5	switches planned	5	switches	completed	100%	complete
□ Hudson	4	switches planned	4	switches	completed	100%	complete
□ Harlem	5	switches planned	2	switches	completed	40%	complete
□ New Haven	10	switches planned	5	switches	completed	50%	complete
Total 2022	24	switches planned	16	switches	completed	67%	of goal

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▣ Grade Crossing Renewal – 111 Grade Crossings systemwide (2 crossings planned)

▫	Harlem Line	2	crossings planned	2	complete	100%
	Total 2023	2	crossings planned	2	complete	100%

▣ Surfacing – 754 track miles systemwide (33.9 miles planned)

▫	Hudson Line	5.2	miles planned	26	completed	
▫	Harlem Line	6	miles planned	2	completed	
▫	New Haven	15	miles planned	20	completed	
▫	New Canaan	8	miles planned	9	completed	
	Total 2023	33.9	miles planned	57	completed	90%

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- ▣ **Ultrasonic Rail Testing (1,480 miles planned, 2 runs per year per FRA)**
 - ▣ 1,081 miles continuous testing completed
 - ▣ Total defects found from testing: 182

- ▣ **Geometry (5 runs planned)**
 - ▣ ENSCO – Completed Run, 585 miles
 - ▣ 4 runs – MOWIC (3 runs completed - 45% Yard tracks completed, Run 4 23% complete)

- ▣ **GCT Terminal Track Rehabilitation (44 Platforms systemwide, 2 Platforms Planned)**
 - ▣ Track 20
 - ▣ 121 bracket ties, 410 block ties, 479 regular cross ties, 600' of rail (100% of complete)
 - ▣ Track 21
 - ▣ 2,800' of rail (100% complete)
 - ▣ Track 38
 - ▣ 700' of rail (50% complete)

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□ **Overhead Bridge Program (NY) Bridge Flag Repairs (Harlem, Hudson New Haven-NY/Port Jervis Line)**

- Typical repairs include replacing deteriorated members, rebuilding deteriorated bridge seats, repairing abutment walls, repairing load bearing supports, timber deck replacements.
 - HUD 12.94 West 254th Street – Steel Flag Repair (75% complete)
 - HUD 14.43 Ludlow Street – Concrete Repair (95% complete)
 - HUD 29.40 Scarborough Station – Steel Flag Repair (100% complete)
 - HUD 38.90 Montrose Station Road – Steel Flag Repairs (75% complete)
 - NH 20.73 Hillside Ave – Steel Flag Repairs (100% complete)
 - NH 21.91 Broadway – Steel Flag Repair Repairs (100% complete)



□ Undergrade Bridge Timbers (NY only – 641 Timbers Planned)

☐	HUD 32.81 Croton River Trk 3	400	timbers	30%	complete
☐	HUD 64.79 New Hamburg - Wappingers Creek Trk 1	165	timbers	100%	complete
☐	NH 16.10 Webster Ave Trk 4	44	timbers	0%	complete
☐	PJ – JS 41.14 Stream Trk 1	32	timbers	100%	complete
	Total 2023	641	Timbers Planned	49%	complete

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▣ NY Undergrade Bridge Repair Program

- ▣ Hudson
 - ▣ Grand Central Terminal (MP 0.25) – Track 17 Flag Repairs (100% complete)
 - ▣ Grand Central Terminal (MP 0.03) – 47th Street Passage Red Flag (100% complete)
 - ▣ Park Ave Tunnel (MP 2.7 & 2.9) – Concrete Vault Repairs (0% complete)
 - ▣ Park Avenue Viaduct (MP 3.01) – Masonry Arch Repairs (Phase 1) (50% complete)
 - ▣ Park Ave Viaduct (MP 3.8 – MP 4.49) – Flag Repairs Phase 2, 25 No.25 (50% complete)
 - ▣ Wappinger Falls (MP 64.79) – Flag Repairs (90% complete)
- ▣ Harlem
 - ▣ Pondfield Road (MP 15.32) – Steel Concrete Repairs (50% complete)
- ▣ Port Jervis
 - ▣ Ramapo River (MP 42.77 JS) – Flag Repairs (100% complete)
 - ▣ Laura Lane (MP 47.73) – Replacement (100% complete)
 - ▣ Woodbury Creek (MP 50.17) – Phase 2, Column Flag Repairs 75% complete)
 - ▣ Beacon (MP 30.02) – Bridge Removal (10% Complete)



CT Bridge Projects

▣ Bridge Timbers (CT only – 460 Timbers Planned)

▣	NH 33.41 Canal Street Trk 5	54	timbers	100%	complete
▣	NH 33.41 Canal Street Trk 7	54	timbers	0%	complete
▣	NH 33.75 Elm St. Trk 5	56	timbers	100%	complete
▣	NH 34.17 East Main Street Trk 5	88	timbers	100%	complete
▣	NH 37.59 Leroy Ave Trk 3	24	timbers	100%	complete
▣	NH 53.84 Howard Ave Trk 2	53	timbers	100%	complete
▣	NH 56.20 East Main Street Trk 3	56	timbers	0%	complete
▣	NH 57.46 Hallett Street Trk 2	47	timbers	0%	complete
▣	NH 59.01 Main St Trk 2 (added)	56	timbers	100%	complete
▣	NH 70.19 Campbell Ave Trk 2 (added)	54	timbers	100%	complete
▣	NC 3.77 Noroton River Trk S	28	timbers	100%	complete
	Total 2023	570	Timbers Planned	72%	complete

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▣ **S-Program (CTDOT Bridge Program) – CDOT funding approved in September, work will commence in October 2023 and will carryover to 2024**

- ▣ Steamboat Road (NH 28.22) – Steel / Masonry Repairs (0% complete)
- ▣ Davis Avenue #2 (NH 28.48) – Steel / Masonry Repairs (0% complete)
- ▣ Lukes Crossing (Sound Shore Dr) (NH 29.68) – Steel / Masonry Repairs (0% complete)
- ▣ Greenwich Avenue (NH 32.81) – Steel / Masonry Repairs (0% complete)
- ▣ Compo Road (NH 44.70) – Steel / Masonry Repairs (0% complete)
- ▣ Myrtle Avenue (NH 54.70) – Steel / Masonry Repairs (0% complete)
- ▣ East Main Street (NH 56.20) – Steel / Masonry Repairs (0% complete)
- ▣ Campbell Ave (NH 70.19) – Steel / Masonry Repairs (0% complete)

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- **Cos Cob Bridge NH 29.90 (Greenwich, CT)**
 - Steel repairs, Phase 2 (70% complete)

- **Saga NH 44.32 (Westport, CT)**
 - Interim repair bascule support framing, Phase 1 (75% complete)

- **Right of Way Fence**
 - Install/repair 500' ft of fence throughout systemwide (70% complete)
 - CP 271 to CP 272 Security Fencing – Tracks 4, 5 (80% complete)

- **Graffiti Removal Program**
 - Hudson & Harlem - cleaned graffiti off various buildings, bridges, retaining walls & rock cuts (50% complete)

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- ❑ **Right of Way Improvements**
 - ❑ North White Plains Work Equipment Area Paving (100% complete)
 - ❑ Hudson / Harlem Line Transmission Pole Repairs, Phase 2 – 15 No. (45 % complete)
 - ❑ Remove Catenary Poles on Danbury Line (100% complete)

- ❑ **Bridge Walkway Replacement Program**
 - ❑ Purdy's Titicus River (HAR 46.26) Trk 1 (100% complete)
 - ❑ Culvert – Indian Kill (PJ 39.55) Trk s (100% complete)

- ❑ **Bridge Walkway Replacement Program**
 - ❑ Breakneck-Wades Brook Railtop (HUD 59.26) (0% complete, work will begin 4th Qtr))

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