



# **2023 2<sup>nd</sup> Quarter Maintenance of Way Division**

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

June 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	3,023 installed	38%
▫ New Canaan	8,000 ties planned	5,871 installed	73%
<b>Total 2023</b>	<b>30,850 ties planned</b>	<b>15,904 installed</b>	<b>52% of goal</b>

\* All subject to change due to current events



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

α	GCT	80	ties installed	
α	Hudson	530	ties installed	
α	Harlem	335	ties installed	
α	New Haven	95	ties installed	
	<b>Total 2023</b>	<b>1,040</b>	<b>ties installed</b>	<b>26% of goal</b>

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

α	Hudson Line	0.6	miles planned	0	installed	0%	complete
α	New Haven	8	miles planned	9	installed	110%	complete
	<b>Total 2023</b>	<b>8.6</b>	<b>miles planned</b>	<b>9</b>	<b>installed</b>	<b>102%</b>	<b>of goal</b>

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▣ **Welds (1,300 joints planned)**

α	GCT	11	joints completed
α	Hudson Line	250	joints completed
α	Harlem Line	172	joints completed
α	New Haven	132	joints completed
α	West Of Hudson	0	joints completed
	<b>Total 2023</b>	<b>565</b>	<b>joints completed 43% of goal</b>

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

α	GCT	5	switches planned	5	switches completed	100%	complete
α	Hudson	4	switches planned	3	switches completed	75%	complete
α	Harlem	5	switches planned	0	switches completed	0%	complete
α	New Haven	10	switches planned	2	switches completed	20%	complete
	<b>Total 2022</b>	<b>24</b>	<b>switches planned</b>	<b>10</b>	<b>switches completed</b>	<b>42%</b>	<b>of goal</b>

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

▣	Harlem Line	2	crossings planned	2	complete	100%
	<b>Total 2023</b>	<b>2</b>	<b>crossings planned</b>	<b>2</b>	<b>complete</b>	<b>100% of goal</b>

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

▣	Hudson Line	5.2	miles planned	16	completed	
▣	Harlem Line	6	miles planned	0	completed	
▣	New Haven	15	miles planned	12	completed	
▣	New Canaan	8	miles planned	0	completed	
	<b>Total 2023</b>	<b>33.9</b>	<b>miles planned</b>	<b>28</b>	<b>completed</b>	<b>83% of goal</b>

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- ▣ **Ultrasonic Rail Testing (1,480 miles planned, 2 runs per year per FRA)**
  - ▣ 326 miles continuous testing completed
  - ▣ Total defects found from testing: 149
  
- ▣ **Geometry (5 runs completed)**
  - ▣ ENSCO – September 2023
  - ▣ 4 runs – MOWIC (1<sup>st</sup> run, 98.5% completed, 2<sup>nd</sup> run, 68% completed – ongoing)
  
- ▣ **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
    - ▣ 1,000' of rail (10% complete)
  - ▣ Track 38
    - ▣ Preparations have begun

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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 (75% complete)
  - ▣ HUD 29.40 Scarborough Station – Steel Flag Repair (10% 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	15%	complete
☒	HUD 64.79 New Hamburg - Wappingers Creek Trk 1	165	timbers	50%	complete
☒	NH 16.10 Webster Ave Trk 4	44	timbers	0%	complete
☒	PJ – JS 41.14 Stream Trk 1	32	timbers	100%	complete
	<b>Total 2023</b>	<b>641</b>	<b>Timbers</b>	<b>27%</b>	<b>complete</b>

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▣ **NY Undergrade Bridge Repair Program**

- ▣ Hudson
  - ▣ Grand Central Terminal (MP 0.25) – Track 17 Flag Repairs (0% complete)
  - ▣ Grand Central Terminal (MP 0.03) – 47<sup>th</sup> 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 (80% complete)
- ▣ Harlem
  - ▣ Pondfield Road (MP 15.32) – Steel Concrete Repairs (50% complete)
- ▣ Port Jervis
  - ▣ Ramapo River (MP 42.77 JS) – Flag Repairs (85% complete)
  - ▣ Laura Lane (MP 47.73) – Replacement (90% complete)
  - ▣ Woodbury Creek (MP 50.17) – Phase 2, Column Flag Repairs (50% 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	0%	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
▣	NC 3.77 Noroton River Trk S	28	timbers	100%	complete
	<b>Total 2023</b>	<b>460</b>	<b>Timbers Planned</b>	<b>54%</b>	<b>complete</b>

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## ▣ S-Program (CTDOT Bridge Program) – Pending Funding from CDOT

- ▣ 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 (50% complete)
  
- ▣ **Saga NH 44.32 (Westport, CT)**
  - ▣ Interim repair bascule support framing, Phase 1 (50% complete)
  
- ▣ **Right of Way Fence**
  - ▣ Install/repair 500' ft of fence throughout systemwide (50% 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 (60% complete)
  - ❑ Hudson / Harlem Line Transmission Pole Repairs, Phase 2 – 15 No. (15 % complete)
  - ❑ Remove Catenary Poles on Danbury Line (95% 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)

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