



SafeTrack: Surge 14 Detailed Report

DATES:

April 15 - April 29

April 30 - May 14

WORK ZONE:

Greenbelt to Prince George's Plaza; Line Segment Shutdown

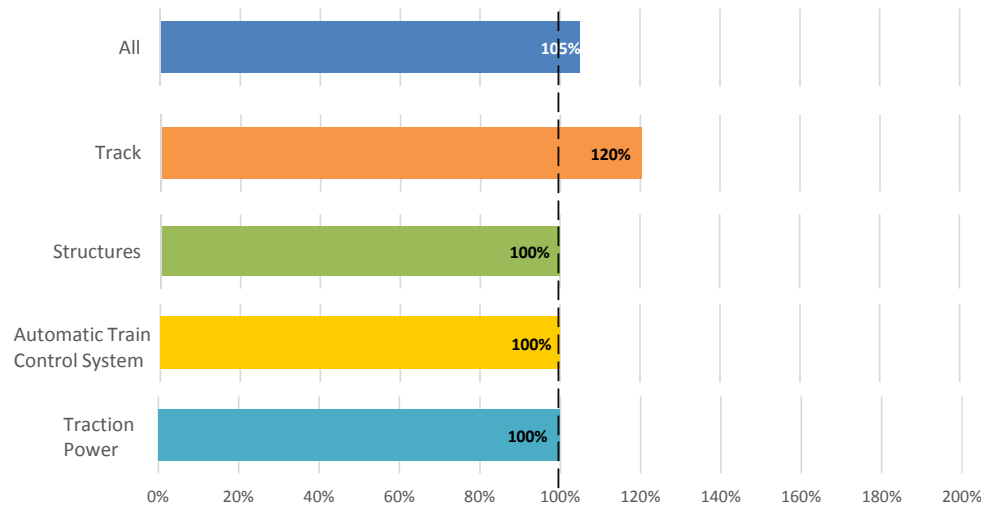
Greenbelt to College Park-U of Md.; Line Segment Shutdown

SCOPE OF WORK: Renewal of rail and power infrastructure on this portion of the Green and Yellow lines, including crossties, track circuit equipment, and power cables.

Final Report

Data as of 5/24/2017

Overall Progress (% Planned Work Complete)



Notes:

*Surge #14 results are preliminary and subject to quality control processes which will remain continuous throughout the duration of SafeTrack. Any remediation work that is identified will be accomplished during normal maintenance times.

Actual work complete represents the % complete across all tasks.



Surge 14 concluded on May 14, 2017, with all planned tasks completed. During the surge, priority was given to repairing or replacing critical rail infrastructure on the Green Line between Prince George's Plaza and Greenbelt stations. Additional preventive maintenance activities were completed as time permitted. These maintenance activities will continue to be conducted on a regular basis to keep the infrastructure in a state of good repair.

The main focus of the surge was to replace deteriorating crossties, fasteners and insulators on both sets of tracks in this area. At the end of the surge, track crews replaced 9,569 ties, 5,704 fasteners and 2,864 insulators, the most of any surge to date. Structure crews focused on repairing tunnel leaks, drain openings and retaining wall panels. As part of the crosstie replacement efforts, crews also serviced the interlockings at both College Park and Greenbelt stations with replacements of switch ties and molding repairs to the switch components. Automatic Train Control (ATC) crews focused on replacing 28 marker coil assemblies, as well as maintaining signal lights with brighter, longer-lasting LED bulbs.

In addition to the planned work, the shutdown and improved work efficiencies allowed track crews to improve the track alignment and platform interface at the outbound end of College Park Station, as well as the track transitions to the bridge structure. Crews also replaced the maintenance grade crossing of both tracks at the Greenbelt interlocking station with new ties and asphalt paving (15 tons).

The critical tasks completed during the surge include:

- + Replaced more than 9,500 crossties
- + Replaced more than 6,400 linear feet of cover boards
- + Replaced more than 5,700 fasteners
- + Welded more than 200 joints
- + Replaced more than 2,800 insulators
- + Replaced more than 3,000 linear feet of rail
- + Repaired more than 80 power cables and more than 70 pigtails

With a more efficient and effective method developed during SafeTrack, WMATA has replaced 44,221 crossties in 11 months, which is more crossties than the last three fiscal years combined.



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	Task	unit	Completed During Surge
Track	Crosstie renewal	# crossties	9,569
	Insulator replacement	# insulators	2,864
	Ballast renewal	# tons	3,230
	Tamping	# linear feet	30,640
	Fastner renewal	# fastners	5,704
	Joint elimination	# joints welded	221
	Rail replacement	# linear feet	3,078
	Third Rail maintenance	# linear feet cover board	6,440
Automatic Train Control System	Signal conversion to LED lighting	# signals	8
Traction Power System	Power Cable repair/replacement	# cables	160