



# SafeTrack: Surge 16 Detailed Report

**DATES:**

June 17 - June 25

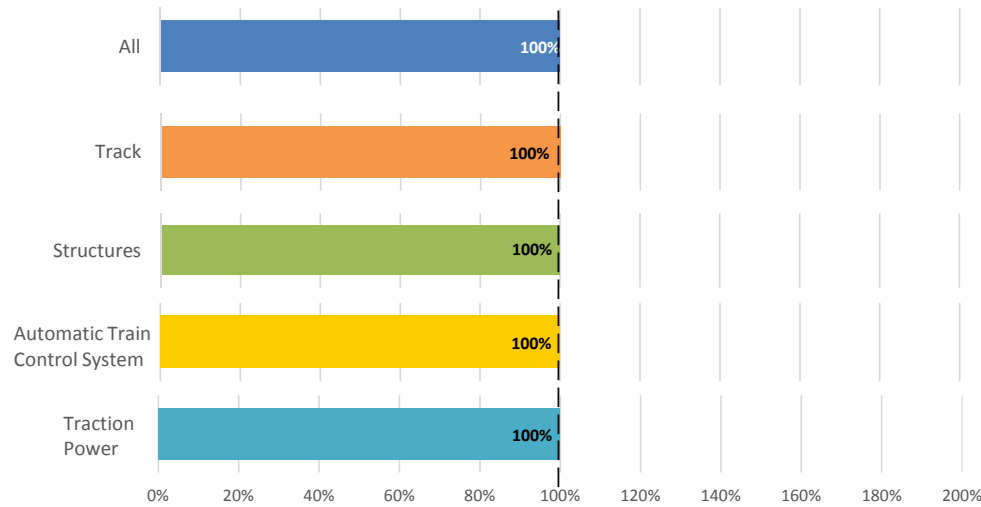
**WORK ZONE:**

Shady Grove to Twinbrook; Line Segment Shutdown

*Final Report  
Data as of 6/29/2017*

**SCOPE OF WORK:** Renewal of rail and power infrastructure on this portion of the Red Line, including crossties, track circuit equipment, and power cables.

**Overall Progress (% Planned Work Complete)**



Surge 16, the final surge of SafeTrack concluded on June 25, 2017, with all planned tasks completed. During the surge, priority was given to repairing or replacing critical rail infrastructure on the Red Line between Twinbrook and Shady Grove. 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 in this area. With the availability of both tracks due to the full shutdown, the focus of the work was on the outbound track and the inbound track was used to assist with equipment transportation and cleanup. At the end of the surge, track crews replaced 3,464 ties and 2,690 insulators on the outbound track. Structure crews focused on clearing brush and repairing fencing.

The Surge was conducted as a shutdown, allowing power to be removed on both tracks and providing traction power crews with the ability to accomplish more work than if trains had continuously single tracked. Automatic Train Control (ATC) crews focused on inspecting and repairing intrusion detection warning (IDW) boxes and assisted track crews with moving equipment in the area by manually operating switches that are powered down for safety.

The critical tasks completed during the surge include:

- + Replaced more than 3,400 crossties
- + Replaced more than 6,500 linear feet of cover boards
- + Welded more than 20 joints
- + Replaced 2,690 insulators
- + Repaired more than 20 power cables

With increased track time and a more efficient work methods, WMATA has replaced 63,398 crossties in 12 months, which is more than four years of work, exceeding the original target of three years of work (45,000 ties).

**Notes:**

\*Surge #16 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.





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	Task	unit	Completed During Surge
<b>Track</b>	Crosstie renewal	# crossties	3,464
	Insulator replacement	# insulators	2,690
	Ballast renewal	# tons	1,172
	Tamping	# linear feet	-
	Joint elimination	# joints welded	29
	Rail replacement	# linear feet	78
	Third Rail maintenance	# linear feet cover board	6,610
<b>Automatic Train Control System</b>	Intrusion Detection Warning System (IDW) refurbishment and replacement	# boxes	11
	<b>Traction Power System</b> Power Cable repair/replacement	# cables	149