



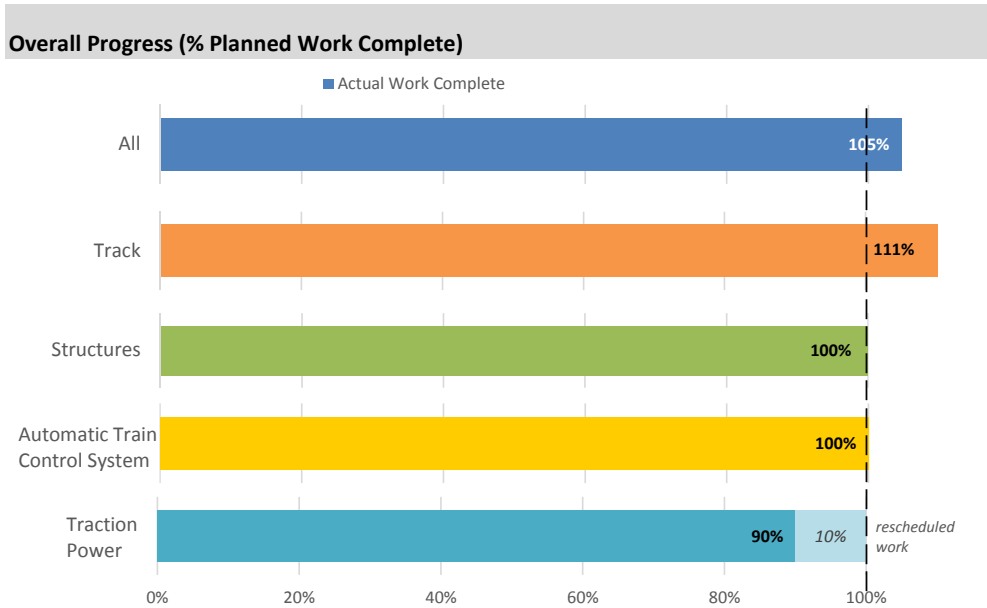
SafeTrack: Surge 6

DATES:
August 1 - 7

WORK ZONE:
Takoma to Silver Spring, Continuous Single Tracking

*Final Report
Data as of 08/11/16*

SCOPE OF WORK: Renewal of rail and power infrastructure on this portion of the Red line, including crossties, insulators, and power cables.



Surge 6 concluded on August 7, 2016. All tasks were completed except for the replacement of one set of power expansion cables. This work will be conducted after the system closes at night, since power must be removed from both tracks.

During the surge, priority was given to addressing potential defects and repairing or replacing critical rail infrastructure that affects train speeds and ride quality. Additional regular and preventive maintenance activities were fit in as time permitted. These maintenance activities are and will continue to be conducted on a regular basis to keep the infrastructure in a state of good repair.

- The critical tasks completed during the surge include:
- + Replaced over 1300 crossties, several hundred more than originally planned and about 35 percent of all ties in the area
 - + Replaced over 300 linear feet of rail and welded 14 joints
 - + Replaced almost 500 insulators
 - + Repaired 20 power cables
 - + Repaired marker coils and D-loops that provide station stopping information and speed commands to trains
 - + Removed vegetation and trash from over 8,100 feet of the track bed, improving drainage and eliminating fire hazards

Notes:

*Surge #6 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.



Operating a continuous single track for seven days on this segment of the Red line allowed the necessary repairs to be completed much more quickly than would otherwise be possible. Replacing over 1300 crossties would take about 260 nights if performed only after the system closed.

In addition, crews completed preventive maintenance activities, such as inspecting and repairing platform edge lights and over 140 intrusion detection warning (IDW) boxes located along the fence line of the tracks.



SafeTrack: Surge 6 Detailed Report

Final Report: 8/11/2016

	Task	unit	Completed During Surge
Track	Crosstie renewal	# crossties	1,311
	Insulator replacement	# insulators	496
	Tamping	# linear feet	9,240
	Third Rail maintenance	# linear feet cover board	1,280
	Rail renewal	# linear feet	312
	Joint elimination	# joints welded	14
Structures	Track Bed cleaning	# linear feet	8,129
Automatic Train Control System	Marker Coil and D-Loop junction box repair/replacement	# items	4
Traction Power System	Power Cable repair/replacement	# cables	20