



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170403-WMATA-WP-1		
	2017	04	03				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Green Line, Yellow Line						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS	RTRA-GEN-OBS	RTRA-RI-OBS			
Inspection Units	1	1	1			
Inspection Subunits	N/A	N/A	N/A			
Defects (Number)	0	0	0			
Recommended Finding	No	No	No			
Remedial Action Required ¹	No	No	No			
Recommended Reinspection	No	No	No			

Activity Summaries

Inspection Activity #	1	Inspection Subject	Rail Compliance Inspection				Activity Code		RTRA	RI	OBS
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	N/A	Out Brief Conducted	No	Time	1000-1200	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07	MSRPH General Rules 1.46-1.52 1.69-1.84 MSRPH Operating Rules 3.87 3.119, 3.120, 3.121, 3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.07 15:06:18 -04'00'	Date
Inspector in Charge - Name Winslow Powell	Inspection Team Chris Difatta			



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	x		x								x
Line(s)	Yellow	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Braddock Road			Huntington Station			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	3236 3281		8								
Description	<p>The FWSO Inspector conducted a Rail Compliance inspection on two trains through SafeTrack Surge 13 between Braddock Road and Huntington Station.</p> <p>The FWSO Inspector did not observe any defects during observations.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> <u>Train Operator Adherence to Electronic Device Policy:</u> <ul style="list-style-type: none"> Train operators were in compliance with MSRP General Rules 1.46-1.52 and MSRP Safety Rule 4.227. <u>Train Handling:</u> <ul style="list-style-type: none"> Operated to 8-car station berthing marker at the end of the platform. Head out of the window when stopping an 8-car consist. Application of good train handling with smooth station stops, and smooth and even acceleration and deceleration. <u>Train Horn Communications:</u> <ul style="list-style-type: none"> Train operator complied with MSRP Operating Rule 3.87.1 that states, "A rail vehicle shall sound their horns when entering and exiting tunnel portals." 						Number of Defects		0		
							Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										

Inspection Activity #	2	Inspection Subject				Rail Compliance Inspection			Activity Code		RTRA	GEN	OBS
Job Briefing Employee Name/Title	N/A				Accompanied Inspector?	N/A	Out Brief Conducted	No	Time	1200-1400	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard		Other / Title		Checklist Reference			
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07		MSRP General Rules 1.46-1.52 1.69-1.84 MSRP Operating Rules 3.87 3.119, 3.120, 3.121, 3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X									X	
Line(s)	Green	Track Number	N/A	Chain Marker and/or Station(s)	From			To					
					L'Enfant Plaza			N/A					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										
Description	The FWSO Inspector conducted a station observation at L'Enfant Plaza during heavy ridership due to Washington Nationals opening day.						Number of Defects		0				
							Recommended Finding?		No				



	<p>The FWSO Inspector did not observe any defects during observations.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> WMATA personnel were stationed on the platform to assist passengers with boarding. <u>Stations and Doors:</u> <ul style="list-style-type: none"> Verified platform side of the train by sticking his/her head out of the cab window. Train operator looked at doors on platform side of train to verify any activity in front of the doors for 5 seconds before opening the doors. Train operator opened the doors on the correct platform side and made station announcements. Observed train loading with operator's head outside cab window to ensure that customers were not hit or trapped within the doors. Train operator closed the window and looked in the direction of travel before moving the train forward. 	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	3	Inspection Subject	Rail Compliance Inspection					Activity Code		RTRA	RI	OBS
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	N/A		Out Brief Conducted	No	Time	1400-1430	Outside Shift	No
Related Reports	N/A			Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard		Other / Title		Checklist Reference		
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07		MSRPH General Rules 1.46-1.52 1.69-1.84 MSRPH Operating Rules 3.87 3.119, 3.120, 3.121,3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X											X
Line(s)	Green		Track Number	N/A		Chain Marker and/or Station(s)	From			To		
							L'Enfant Plaza			Greenbelt Station		
Vehicles	Head Car Number		Number of Cars			Equipment	N/A					
	6003		6									
Description	<p>The FWSO Inspector conducted a rail compliance inspection on one train between L'Enfant Plaza and Greenbelt Station.</p> <p>The FWSO Inspector did not observe any defects during observations.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> <u>Train Handling:</u> <ul style="list-style-type: none"> Operated to 8-car station berthing marker at the end of the platform. Train operator had head out of the window when stopping an 8-car consist. 							Number of Defects		0		
								Recommended Finding?		No		
								Remedial Action Required?		No		
								Recommended Reinspection?		No		



	<ul style="list-style-type: none">○ Train operator applied good train handling with smooth station stops, and smooth and even acceleration and deceleration.• <u>Train Horn Communications:</u><ul style="list-style-type: none">○ Train operator complied with MSRP Operating Rule 3.87.1 that states, "A rail vehicle shall sound their horns when entering and exiting tunnel portals."• <u>Train Operations through Work Zones/Passing Roadway Workers between Prince George's Plaza and College Park</u><ul style="list-style-type: none">○ The train operator was in compliance with MSRP Operating Rule 3.87 and Permanent Order No. T-16-07, Rev 1.○ The train operator acknowledged hand signals and responded with two short horn blasts.		
Remedial Action	N/A		



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Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170404-WMATA-WP-1		
	2017	04	04				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance/Safe
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, track 2, between Metro Center (A01) and CM A2-221+00						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	4	1				
Defects (Number)	0	3				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Roadway Worker Protection – Job Safety Briefing				Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST UNIT 89				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 0600	Outside Shift	Yes		
Related Reports					Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X		X						X					
Line(s)	A-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To					
							Metro Center (A01), CM 00+00		CM A2-221+00					
Vehicles	Head Car Number		Number of Cars		Equipment		TGV-01							
	TGV-01		1											
Description	The job safety briefing was provided by TRST Unit 89 in the TGV vehicle. The briefing was thorough and complied with all WMATA requirements.									Number of Defects		0		
										Recommended Finding?		No		

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Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.07 15:15:03 -04'00'		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Alexander Nepa					



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		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Geometry Inspection, TGV-01.				Activity Code	TRK	GEN	INS						
Job Briefing Employee Name/Title	TRST UNIT 89		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 0600	Outside Shift	Yes						
Related Reports			Related CAPS / Findings													
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference								
	TRST-1000															
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A					
	X		X						X							
Line(s)	A Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To								
					Metro Center (A01), CM 00+00			CM A2-221+00								
Vehicles	Head Car Number		Number of Cars		Equipment	TGV-01										
	TGV-01		1													
Description	<p>A track geometry inspection and ultrasound test of track 2 between Metro Center and CM A2-221+00 was conducted by WMATA, TGV-01 and observed by FWSO.</p> <p>The following defects were identified, as defined in WMATA's TRST 1000 Manual:</p> <ul style="list-style-type: none"> TRST 1000 defect 5.22.8.2. At CM A2-184+95, track 2, left rail: A two-inch split web was detected. This is not a color-coded defect. It was immediately protected with a speed restriction and was repaired in compliance with WMATA, TRST 1000 remedial action table 5-33. TRST 1000 defect 5.22.6.1. At CM A2-210+10, track two right rail: A 75 percent transverse detail defect (TDD) was detected. This is not a color-coded defect. It was immediately protected with a speed restriction and was repaired in compliance with WMATA, 1000 remedial action table 5.23. TRST 1000 defect 5.22.6.1. At CM A2-216+20, track 2, left rail: A 25 percent TDD was detected. This is not a color coded defect. It was immediately protected with a speed restriction and repaired in compliance with WMATA, TRST 1000 remedial action table 5.23. <p>The areas of concern were immediately protected with the required speed restriction and the defects were repaired.</p> <p>Other Notable Observations</p> <ul style="list-style-type: none"> Between Metro Center locations CM A2-00+00 and CM A2-221+00, there were no track geometry defects observed. 						Number of Defects		3							
							Recommended Finding?		No							
							Remedial Action Required?		No							
							Recommended Reinspection?		No							
Remedial Action	N/A															



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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170404-WMATA-WP-1		
	2017	04	04				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Car Maintenance	Sub- Department	Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Greenbelt Service and Inspection Facility (E99)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-WI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Shop Observations – Greenbelt Yard			Activity Code		VM	SI	PI
Job Briefing Employee Name/Title	N/A				Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0610-1200	Outside Shift	Yes	
Related Reports	N/A				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MSRPH				WMATA 6000 Series Maintenance Manual								
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
					X							X	
Line(s)	N/A		Track Number	N/A	Chain Marker and/or Station(s)		From		To				
							N/A		N/A				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	6044, 6072		4										
Description									Number of Defects		0		

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Inspector in Charge - Signature	WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.07 15:40:39 -0400	Date
Inspector in Charge – Name Winslow Powell	Inspection Team Tom Wozniak, Bill Hultsch			

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Version date: 8/26/16



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Federal Transit Administration

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	<p>FWSO inspectors observed inspections of two rail car sets at the Greenbelt Service and Inspection Facility. WMATA performed a "C" inspection of cars 6044 and 6045 and a "B" inspection of cars 6072 and 6073. FWSO inspectors noted that all mechanics had the proper personal protective equipment (PPE), proper tooling, current maintenance procedures, bulletins, and engineering modification instructions (EMIs). Also noted were an extremely positive and cooperative attitude, as well as an enthusiastic willingness to demonstrate their skills.</p> <p>FWSO inspectors observed inspection activities performed in the interior and exterior of each car. Mechanics had easy access to inspection and repair procedures for the car series and had the appropriate procedures on hand while inspecting each component. The procedures are stored and labeled by task number.</p> <p>No exceptions were taken to the work observed.</p>	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170405-WMATA-LF-1		
	2017	04	05				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub- Department	ATC Construction
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	SafeTrack Surge 13 Work Area						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table					Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X							X		X				
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From				To					
					C2 568+00				C2 624+00					
					J2 570+00				J2 659+00					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRACigagoll, ou=FRA FRACigagoll, cn=LEON FERGUSON JR Date: 2017.05.05 11:06:09 -05'00'	Date
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson			

Description	FWSO personnel received a Job Safety Briefing from the Surge 13 briefing table. All PPE and RWP ID were checked and the working limits were reviewed. Briefer covered the locations and types of work taking place as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a wristband indicating their receipt of the briefing and were granted access to the roadway. No exceptions were taken.					Number of Defects		0	
						Recommended Finding?		No	
						Remedial Action Required?		No	
						Recommended Reinspection?		No	
Remedial Action	N/A								

Inspection Activity #	2	Inspection Subject	SafeTrack Surge Inspection				Activity Code		ATC	WI	PI
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes
Related Reports				Related CAPS / Findings							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	ATC 1000, 2000, 3000 Test and Inspection Manual		2010.8				Rail connections				
	ATC 1000, 2000, 3000 Test and Inspection Manual		1012A-3-1				Bond to Bond connection				
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From				To		
					C2 568+00				C2 624+00		
					J2 570+00				J2 659+00		
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspectors performed an inspection of the SafeTrack surge 13 work area between Chain Markers 568+00 and 624+00 on track two of the C Line and 570+00 and 659+00 on track two of the J line. FWSO inspectors observed the following activities being performed: <ul style="list-style-type: none">FTA Inspector and WMATA ATC personnel walked track circuits and identified locations that were damaged during track work. In locations where work has been completed signal appliances were to be installed and tested.FTA Inspector observed ATC personnel reconnect track connections and reinstall bonds at locations set up. All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.						Number of Defects		0		
							Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration**Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170405-WMATA-WP-1		
	2017	04	05				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Production/Safe
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line, Surge 13 between Eisenhower Avenue Station (C14) and Braddock Road Station (C12).						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Roadway Worker Protection – Job Safety Briefing			Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST UNIT 6014					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 1400	Outside Shift	No	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X		X					X	X	X				
Line(s)	C-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To						
					Eisenhower Avenue Station (C14)			Braddock Road Station (C12)						
Vehicles	Head Car Number		Number of Cars		Equipment									
Description	The job safety briefing was provided by TRST unit 6014 and conducted at the briefing table at Eisenhower Avenue Station. It was thorough, complete, and fully								Number of Defects		0			
									Recommended Finding?		No			

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Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.12 14:17:50 -0400		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Alexander Nepa					

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	compliant with all WMATA Roadway Worker's Protection Manual (RWPM) requirements. All WMATA and contract employees were working safely and appeared to have all required personal protective equipment (PPE).	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action			

Inspection Activity #	2	Inspection Subject	Track General Inspection					Activity Code	TRK	GEN	INS
Job Briefing Employee Name/Title	TRST UNIT 6014 RWIC escort unit 6341		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 1400	Outside Shift	No	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X					X	X	X	
Line(s)	C-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						Eisenhower Avenue Station (C14)		Braddock Road Station (C12)			
Vehicles	Head Car Number		Number of Cars		Equipment						
Description	<p>An observation of track work performed between Eisenhower Avenue Station (C14) and Braddock Road Station (C12) during SafeTrack Surge 13 was conducted.</p> <p>No defects were noted during this inspection, and the following was observed:</p> <ul style="list-style-type: none"> All concrete grout pad work appeared to be compliant with WMATA TRST 1000 grout pad requirements. New cement grout pads were observed. All fastener repairs appeared to be compliant with WMATA TRST 1000 rail fastening system requirements. New rail fastener systems were observed. All newly installed crossies observed appeared to be compliant with WMATA TRST 1000 requirements. Ties observed were properly spaced, anchored, and of the proper size. All track geometry observed appeared to be compliant with WMATA TRST 1000 requirements. The track observed appeared to have been surfaced. No alignment, cross level or elevations exceptions were noted. Ballast was regulated and the track was groomed, as required. 						Number of Defects		0		
							Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170406-WMATA-LF-1		
	2017	04	06				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub- Department	ATC Construction
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	SafeTrack Surge 13 Work Area						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table					Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X							X		X				
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From				To					
					C2 568+00				C2 624+00					
					J2 570+00				J2 659+00					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRAC, cn=LEON FERGUSON JR Date: 2017.05.05 11:03:01 -05'00'	Date	2017.05.05 11:03:01 -05'00'
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO personnel received a Job Safety Briefing from the Surge 13 briefing table. All PPE and RWP ID were checked and the working limits were reviewed. Briefer covered the locations and types of work taking place as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a wristband indicating their receipt of the briefing and were granted access to the roadway. No exceptions were taken.								Number of Defects		0	
									Recommended Finding?		No	
									Remedial Action Required?		No	
									Recommended Reinspection?		No	
Remedial Action	N/A											

Inspection Activity #	2	Inspection Subject	SafeTrack Surge Inspection					Activity Code		ATC	WI	PI
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes		
Related Reports			Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	ATC 1000, 2000, 3000 Test and Inspection Manual		2010.8				Rail connections					
	ATC 1000, 2000, 3000 Test and Inspection Manual		1012A-3-1				Bond to Bond connection					
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X		X		
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From				To			
					C2 568+00				C2 624+00			
					J2 570+00				J2 659+00			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	<p>FWSO inspectors performed an inspection of the SafeTrack surge 13 work area between Chain Markers 568+00 and 624+00 on track two of the C Line and 570+00 and 659+00 on track two of the J line. FWSO inspectors observed the following activities being performed:</p> <ul style="list-style-type: none"> FTA Inspector and WMATA ATC personnel walked track circuits and identified locations that were damaged during track work. In locations where work has been completed signal appliances were to be installed and tested. FTA Inspector observed ATC personnel connect track connections and reinstall bonds at locations set up. <p>All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.</p>								Number of Defects		0	
									Recommended Finding?		No	
									Remedial Action Required?		No	
									Recommended Reinspection?		No	
Remedial Action	N/A											



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170406-WMATA-WP-1		
	2017	04	06				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Red Line, Glenmont (B11) to Gallery Place (B01)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	EMGT-GEN-PI					
Inspection Units	1					
Inspection Subunits	10					
Defects (Number)	3					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Fire Life Safety Inspection			Activity Code		EMGT	GEN	PI
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	No	Out Brief Conducted	No	Time	0900-1400	Outside Shift	No		
Related Reports	20170321-WMATA-WP-1			Related CAPS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07		SOP# 1A SOP# 8 SOP# 5 MSRPH General Rule 1.12				OSHA Standard CFR 1910.157 (e) (2)						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			x									x	
Line(s)	Red	Track Number	N/A	Chain Marker and/or Station(s)	From			To					
					Glenmont (B11)			Gallery Place (B01)					
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.11 15:16:52 -04'00'		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Chris Difatta					



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	N/A	N/A		
Description	<p>The FWSO Inspector conducted Fire Life Safety inspections on the Red Line between Glenmont (B11) and Gallery Place (B01). During the inspection, the FWSO Inspector ensured that each station had the correct emergency evacuation maps, functioning fire extinguishers, and that the station manager was in possession of the current Metrorail Safety Rules and Procedures Handbook (MSRPH) and Emergency Evacuation Procedures manual for reference in case of emergency.</p> <p>The following new defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none">• Station manager was not in possession of the MSRPH or Emergency Evacuation Procedures at the Rhode Island Ave. (MSRPH General Rule 1.12)• 1997 Emergency Evacuation Maps were observed with 2016 Maps at the Silver Spring Station. (MSRPH General Rule 1.12)• 1997 Emergency Evacuation Maps were observed with 2016 Maps at the Brookland CUA Station. (MSRPH General Rule 1.12) <p>Remedial actions for these defects were previously issued in FWSO report 20170321-WMATA-WP-1.</p> <p>Other notable observations:</p> <ul style="list-style-type: none">• One fire extinguisher in the Fire Equipment Room had pin removed at the Glenmont Station.• Three fire extinguishers in the Fire Equipment Room were not inspected in the month of March at the Wheaton Station.	Number of Defects	3	
		Recommended Finding?	No	
		Remedial Action Required?	No	
		Recommended Reinspection?	Yes	
Remedial Action	N/A			



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170406-WMATA-WP-2		
	2017	04	06				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line between Pentagon City Station (C08) and CM 214+00						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	5	7				
Defects (Number)	0	6				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Roadway Worker Protection – Job Safety Briefing				Activity Code		TRK	RWP	OBS	
Job Briefing Employee Name/Title	TRST UNIT 6168, RWIC TRST UNIT 6139, Watchman/Lookout					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1300	Outside Shift	No		
Related Reports						Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference				
	RWPM														
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A				
			X						X						
Line(s)	C Line		Track Number	Track 2	Chain Marker and/or Station(s)			From		To					
								Pentagon City Station (C08)		CM 214+00					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A								
	N/A		N/A												
Description	The job safety briefing was provided by TRST Unit #6168 at Pentagon City Station (C08). The briefing was fully compliant with WMATA requirements. It included WMATA level 1 ID check, type of protection (train approach warning), potential hazards, hot spots and hospital locations. No exceptions were taken.										Number of Defects		0		
											Recommended Finding?		No		
											Remedial Action Required?		No		
											Recommended Reinspection?		No		

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.12 14:20:51 -0400		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Alexander Nepa					

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United States Department of Transportation
Federal Transit Administration

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Remedial Action	N/A											
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Inspection Activity #	2	Inspection Subject	Track General Inspection					Activity Code		TRK	GEN	INS
Job Briefing Employee Name/Title	TRST Unit 6168, RWIC TRST Unit 6139, Watchman/Lookout		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1300	Outside Shift	No		
Related Reports			Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference				
	TRST 1000											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X			
Line(s)	C Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					Pentagon City (C08)			CM 214+00				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
	<p>An inspection of C-Line, main line, track two, between Pentagon City Station (C08) and CM 214+00, was conducted. The FWSO Inspector accompanied WMATA personnel and a contractor representative from Harsco. The contractor conducted the inspection using a new version of the TRST 1000 track maintenance standards that has not been distributed. FWSO conducted its inspection using the January 1, 2015 revision 6 version.</p> <p>The following defects were observed, and there were no color coded conditions noted:</p> <ul style="list-style-type: none"> TRST 1000 defect 3.1.2.2: At CM 282+80, the water was not draining as designed and was backing up to the third rail. TRST 1000 defect 3.1.2.2: Between CM 280+00 and 278+00, the water and mud had backed up under the third rail. TRST 1000 defect 13.3.14: At CM 265+50, a missing end cover board was observed. TRST 1000 defect 10.15: Between C-07 and C-08, through the entire length, there was none to severely poor lighting observed. TRST 1000 defect 10.17.4.1: On the catwalk, adjacent to the C07 interlock, debris and other track material (OTM) blocking the catwalk. (See attached photo.) TRST 1000 defect 3.1.2.2: Between CM 240+00 and 241+50, the water was not draining as designed. 							Number of Defects		6		
								Recommended Finding?		Yes		
								Remedial Action Required?		Yes		
								Recommended Reinspection?		Yes		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must repair drainage at CM 282+80. WMATA must address the excess mud and water backed up under the third rail between CM 280+00 and 278+00. WMATA must replace the missing third rail cover board at CM 265+50. WMATA must repair or replace the lighting between C07 and C08. WMATA must remove the OTM and debris from the walkway at the C07 interlocking on the catwalk. WMATA must repair the drainage between CM 240+00 and 214+50. 											

Photos:



Other track material and debris blocking catwalk



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170406-WMATA-WP-3		
	2017	04	06				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CBL. IN.
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Union Station (B03) to Gallery Place/Chinatown (B01), Track 1						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-WI-OBS					
Inspection Units	1					
Inspection Subunits	9					
Defects (Number)	5					
Recommended Finding	Yes					
Remedial Action Required ¹	Yes					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC WMATA Watchman/Lookout WMATA Documenter				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	RWPM				Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X								X				
Line(s)	B-Line	Track Number	1	Chain Marker and/or Station(s)	From				To				
					Union Station (B03)				Gallery Place/Chinatown (B01)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										
Description	The job safety briefing was comprehensive. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the							Number of Defects		5			
								Recommended Finding?		Yes			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.12 14:24:07 -04'00'		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo					



	<p>discussion. No exceptions were taken.</p> <p>Daily cable inspections are part of the holistic approach WMATA has instituted to prevent cable fires and arcing incidents. The pictures taken and defects noted were entered into a database for nighttime cable repair crews to fix.</p> <p>The following new defects were observed, and there were no color coded conditions noted:</p> <ul style="list-style-type: none">• TRK 1 CM 31+00: Conduit stub-up compromised; heat shrink compromised on conduit stub-up. (See Figure 1.)• TRK 1 CM 30+00: Conduit stub-up compromised. (See Figure 2.)• TRK 1 CM 29+00: Debris and trash surrounding 3rd rail end approach. (See Figure 3.)• TRK 1 CM 25+50: Concrete debris falling from the ceiling of the tunnel close to the 3rd rail. (See Figure 4.) <p>Other Notable Observations:</p> <ul style="list-style-type: none">• TRK 1 CM 66+00 – Debris surrounding cables• TRK 1 CM 65+00 – Trash and debris surrounding cables• TRK 1 CM 31+00 – Missing 3rd rail coverboard• TRK 1 CM 30+00 – Mud and debris surrounding cables <p>FWSO will follow up to confirm the conclusion of the work once the cable issues have been corrected.</p>	Remedial Action Required?	Yes
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must replace conduit-stub up (TRK 1 CM 31+00).• WMATA must install new heat shrink on stub-up (TRK 1 CM 31+00).• WMATA must replace conduit stub-up (TRK 1 CM 30+00).• WMATA must clean debris and trash surrounding 3rd rail end approach (TRK 1 CM 29+00).• WMATA must investigate the cause of the compromised concrete falling from the ceiling of the tunnel in order to mitigate the problem (TRK 1 CM 25+50).		



FIGURE 1 - TRK 1 CM 31+00 – CONDUIT STUB-UP COMPROMISED; HEAT SHRINK COMPROMISED ON CONDUIT STUB-UP



FIGURE 2 - TRK 1 CM 30+00 – CONDUIT STUB-UP COMPROMISED



FIGURE 3 - TRK 1 CM 29+00 – DEBRIS AND TRASH SURROUNDING 3RD RAIL END APPROACH



FIGURE 4 - TRK 1 CM 25+50 – CONCRETE DEBRIS FALLING FROM THE CEILING OF THE TUNNEL CLOSE TO THE 3RD RAIL



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170407-WMATA-LF-1		
	2017	04	07				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub-Department	ATC Construction
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	SafeTrack Surge 13 Work Area						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes	
Related Reports					Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	RWPM												
	MSRPH												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X		X			
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From				To				
					C2 568+00				C2 624+00				
					J2 570+00				J2 659+00				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRACChicagoLL, ou=FRA FRACChicagoLL, cn=LEON FERGUSON JR Date: 2017.05.05 11:13:12 -05'00'	Date
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson			

Form FTA-IR-1

Version date: 8/26/16



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO personnel received a Job Safety Briefing from the Surge 13 briefing table. All PPE and RWP ID were checked and the working limits were reviewed. Briefer covered the locations and types of work taking place as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a wristband indicating their receipt of the briefing and were granted access to the roadway. No exceptions were taken.				Number of Defects	0
					Recommended Finding?	No
					Remedial Action Required?	No
					Recommended Reinspection?	No
Remedial Action	N/A					

Inspection Activity #	2	Inspection Subject	SafeTrack Surge Inspection				Activity Code	ATC	WI	PI	
Job Briefing Employee Name/Title	Surge 13 Job Safety Briefing Table		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1900-0100	Outside Shift	Yes	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	ATC 1000, 2000, 3000 Test and Inspection Manual	2010.8				Rail connections					
	ATC 1000, 2000, 3000 Test and Inspection Manual	1012A-3-1				Bond to Bond connection					
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Line(s)	C, J	Track Number	2	Chain Marker and/or Station(s)	From		To				
					C2 568+00		C2 624+00				
					J2 570+00		J2 659+00				
Vehicles	Head Car Number	Number of Cars		Equipment	N/A						
	N/A	N/A									
Description	<p>FWSO inspectors performed an inspection of the SafeTrack surge 13 work area between Chain Markers 568+00 and 624+00 on track two of the C Line and 570+00 and 659+00 on track two of the J line. FWSO inspectors observed the following activities being performed:</p> <ul style="list-style-type: none"> FTA Inspector and WMATA ATC personnel walked track circuits and identified locations that were damaged during track work. In locations where work has been completed signal appliances were to be installed and tested. FTA Inspector observed ATC personnel connect track connections and reinstall bonds at locations set up. <p>All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.</p>						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	No			
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration**Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170411-WMATA-LF-1		
	2017	04	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub-Department	ATC Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	A [REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line Foggy Bottom ATC Room and Switch Inspection						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	ATC AA Signal technician at Foggy Bottom.				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1400	Outside Shift	Yes	
Related Reports	N/A				Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	ATC 1000, 2000, 3000 Test and Inspection Manual		1008				Switch monthly Test						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X								X				
Line(s)	C	Track Number	2	Chain Marker and/or Station(s)	From				To				
					C2 64+43				C2 67+57				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRAC, ou=FRA FRAC, ou=LEON FERGUSON JR Date: 2017.05.05 11:15:32 -05'00'	Date
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson			

Form FTA-IR-1

Version date: 8/26/16



United States Department of Transportation
Federal Transit Administration

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Description	FWSO personnel received a Job Safety Briefing from ATC Unit [AA Signal Tech at Foggy Bottom]. All PPE and RWP ID were checked and the inspection limits were reviewed. Briefer covered the type of protection in place, hotspots in the area, well as the nearest hospital and safety rule of the day. FWSO personnel. No exceptions were taken.	Number of Defects		0
		Recommended Finding?		No
		Remedial Action Required?		No
		Recommended Reinspection?		No
Remedial Action	N/A			

Inspection Activity #	2	Inspection Subject	ATC Room and Switch Inspection					Activity Code	ATC	WI	OBS
Job Briefing Employee Name/Title	ATC AA Signal technician at Foggy Bottom.		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	ATC 1000, 2000, 3000 Test ans Inspection Manual		1008				Switch monthly Test				
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	C	Track Number	2	Chain Marker and/or Station(s)	From			To			
					C2 64+43			C2 67+57			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors observed an ATC room and switch inspection at Foggy Bottom station between chain markets C2 64+43 and 67+57. FWSO inspectors observed the following activities being performed:</p> <ul style="list-style-type: none"> FTA Inspector observed WMATA ATC maintainers perform monthly switch obstruction test at Foggy Bottom Interlocking. All Required standards were met with no exceptions. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> In the job briefing, two crossovers (4 switches) were scheduled for PVI test but time was only allowed for two switches. The workgroup requested track access at 1000 hrs but was not granted until at or around 1230. <p>All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.</p>							Number of Defects		0	
								Recommended Finding?		No	
								Remedial Action Required?		No	
								Recommended Reinspection?		No	
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170411-WMATA-WP-1		
	2017	04	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Shady Grove Yard						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-GEN-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	1					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Rules Compliance Inspection			Activity Code		RTRA	GEN	OBS
Job Briefing Employee Name/Title	John DeFilippo				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800-1300	Outside Shift	No	
Related Reports	20160624-WMATA-WP-1				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MetroRail Safety Rules and Procedures Handbook		MSRPH General Rules 1.46-1.52 1.69-1.84 MSRPH Operating Rules 3.87 3.119, 3.120, 3.121, 3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50				OSHA Standard 1926.100						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
		x			x							x	

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.18 18:31:53 -0400		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Chris Difatta, Tom Wozniak				

Form FTA-IR-1

Version date: 8/26/16



United States Department of Transportation
Federal Transit Administration

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Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)	From	To
					N/A	N/A
Vehicles	Head Car Number	Number of Cars	Equipment	7064, 7065		
	N/A	N/A				
Description	<p>The FWSO Inspectors conducted a rail yard inspection at the Shady Grove Yard. During the inspection, the FWSO inspectors observed daily put-ins, radio procedures and safety stops on seven train sets.</p> <p>FWSO Inspectors also observed vehicle securement on Yellow rail vehicles and the operator recertification process. During the process, the operator conducted a visual walk around inspection. This involved inspections of operations in the yard, safety stops and proper securement.</p> <p>There was one non-color-coded defect noted:</p> <ul style="list-style-type: none">Two employees were observed not wearing proper personal protection equipment (PPE) (i.e., hard hats) while walking under the equipment. This is incompliant with WMATA rule 4.5.1 which states: "Bump hats shall be worn while working under vehicles." <p>A remedial action for this defect was previously issued in FWSO report 20160624-WMATA-WP-1.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none">FWSO Inspectors observed two 7000 series cars (7064 and 7065). Both vehicles had chevron movements at all locations due to out of round wheels. The wheels were cut and trued, allowing the vehicle to be put back into revenue service.				Number of Defects	1
					Recommended Finding?	No
					Remedial Action Required?	No
					Recommended Reinspection?	No
					Remedial Action	N/A



Inspection Form

FOIA Exemption: All (b)(6)
Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170412-WMATA-WP-1		
	2017	04	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance Production
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line Surge 13 area between Braddock Road (C12) and Huntington (C15), CM 618+00 J-Line Surge 13 area between Van Dorn (J02) CM 684+00, to King Street Station (C13)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	10	8				
Defects (Number)	0	3				
Recommended Finding	0	Yes				
Remedial Action Required	0	Yes				
Recommended Reinspection	0	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Roadway Worker Protection – Job Safety Briefing				Activity Code	TRK	RWP	OBS	
Job Briefing Employee Name/Title	TRST Unit 6014		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0800 1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM	RWPM-Job Safety Briefing									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	C line	Track Number	2	Chain Marker and/or Station(s)	From			To			
	J line										
Vehicles	Head Car Number		Number of Cars		Equipment						
	N/A		N/A								
Description	The job safety briefing was provided by TRST unit 6014 and conducted at the briefing table at Eisenhower Station. It was thorough, complete and fully compliant with all WMATA's Roadway Worker's Protection Manual (RWPM) requirements.						Number of Defects		0		
							Recommended Finding?		None		
							Remedial Action Required?		No		

Inspector in Charge – Signature		WINSLOW L. POWELL		 Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.18 17:58:20 -04'00'		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Alexander A. Nepa				



United States Department of Transportation
Federal Transit Administration

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	All observations of WMATA contract requirements were compliant. Employees were working safely and appeared to have all required personal protective equipment (PPE).	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Post-Surge Track Inspection				Activity Code	TRK	GEN	INS						
Job Briefing Employee Name/Title	RWIC, QICO Unit 5235		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 1400	Outside Shift	No						
Related Reports			Related CAPS / Findings	None												
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference								
	TRST 1000															
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A					
	X		X					X	X	X						
Line(s)	C-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To								
	J-Line				C2-CM 618+00			Braddock Road Station (C12)								
					J2-CM 684+00			King Street Station (C13)								
Vehicles	Head Car Number		Number of Cars		Equipment	None										
	N/A		N/A													
Description	<p>The FWSO Inspector, along with a multi-disciplined team of WMATA inspectors, performed a post inspection of work performed in the Surge 13 area. The purpose of this observation was to develop a quality control punch list of items that may have been overlooked, not corrected, or non-compliant with WMATA standards.</p> <p>The following new defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none">• TRST 1000 6.14.1: At the C14-06 signal, track two, CM 592+90, a newly installed grout pad was defective. (See attached photo).• TRST 1000 13.3.14: At CM 582+50, three consecutive third rail cover boards were missing.• TRST 1000 10.15: At the C97 J-Line portal, between CM 508+00 and 520+00, for 1,200 feet there were only three working, non-defective lights in the tunnel. <p>Other Notable Observations:</p> <p>The following track-related items were inspected and observed to be within WMATA TRST 1000 track safety standards:</p> <ul style="list-style-type: none">• Crossties, TRST 1000 6-10: In the area observed, a total of 6,000 wooden cross ties had been installed. Crossties that were not replaced but were compliant with TRST 1000 standards were re-drilled, lagged and secured. Old boring holes were filled with epoxy. The area observed was in full compliance with WMATA TRST 1000 non-defective crosstie standards.• Tie plates and fastening system, TRST 1000 7.1, 7.2 & 7.3: In the area observed, new rail fastening systems were installed. This included new double-shoulder tie plates secured with a combination of Pandrol clips, lag-type screw spikes, and the standard 5/8-inch reinforced throat track spike. All fasteners observed were compliant with WMATA, TRST 1000 7.4 spiking, anchoring and Pandrol configuration patterns.• Grout pads, TRST 1000 6.14: In the area observed, all existing grout pads had been removed, new pads formed, and new concrete poured.						Number of Defects		3							
							Recommended Finding?		Yes							
							Remedial Action Required?		Yes							
							Recommended Reinspection?		Yes							



	<p>With the exception of one grout pad observed, all were within WMATA TRST 1000 standards.</p> <ul style="list-style-type: none">• Rail, TRST 1000 5 (general): In the area observed, the rail was installed sporadically where needed. Rail conditions observed complied with all WMATA TRST 1000 rail maintenance standards.• Turnouts and switches, TRST 1000 9 (general): All switches, crossovers and components observed were compliant with WMATA 1000 TRST 1000 standards.• Track geometry, TRST 1000 11 (general): All areas observed appeared to have been surfaced, aligned and super-elevation applied. The roadbed ballast was clean, free from mud, and was properly regulated and groomed.		
Remedial Action	<p>To achieve compliance with WMATA'S requirements:</p> <ul style="list-style-type: none">• WMATA must re-pour grout pad at the C14-06 signal, track two (CM 592+90).• WMATA must replace missing cover boards (CM 582+50).• WMATA must repair the lighting through the C97-J line portal (between CM 508+00 and 520+00).		



AT C14-06 SIGNAL, CM 592+90 DEFECTIVE GROUT PAD



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170412-WMATA-WP-2		
	2017	04	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Car Maintenance	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Shady Grove Service and Inspection Facility						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-PI					
Inspection Units	1					
Inspection Subunits	8					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject			Annual inspection of eight 7000 series cars at the Shady Grove Service and Inspection Facility.			Activity Code		VM	SI	PI
Job Briefing Employee Name/Title	Brand Loney			Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0800-1300	Outside Shift	No	
Related Reports	N/A			Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	MetroRail Safety Rules and Procedures Handbook				WMATA 7000 Series Maintenance Manual							
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
					x						x	
Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)			From		To			
							N/A		N/A			
Vehicles	Head Car Number		Number of Cars		Equipment		7240,7241, 7244,7245,7134,7135,7236,7237					
	N/A		8									

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.18 10:52:18 -0400		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Chris DiFatta, Tom Wozniak				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspectors observed annual inspections of eight 7000 series cars at the Shady Grove Service and Inspection Facility. FWSO inspectors noted that all mechanics had the proper personal protective equipment (PPE), proper tooling, current maintenance procedures, bulletins, and engineering modification instructions (EMIs). Also noted were extremely positive and cooperative attitudes, as well as an enthusiastic willingness to demonstrate their skills.</p> <p>FWSO inspectors observed inspection activities performed in the interior and exterior of each car. Mechanics had easy access to inspection and repair procedures for the car series. They also had the appropriate procedures on hand while inspecting each component. The procedures are stored and labeled by task number.</p> <p>The FWSO Inspector did not note any defects during observations.</p> <p>Other Notable Observations:</p> <p>FWSO Inspectors conducted a temperature reading on the wheels of an 8-car consist during travel from the Shady Grove Station into the yard. All readings were between seventy-eight and ninety-three degrees.</p> <p>No exceptions were taken.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170412-WMATA-WP-3		
	2017	04	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CM
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Surge 13 Work Area –Eisenhower Ave Station (C14)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Eisenhower Ave (C14) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	SafeTrack Dedicated Safety Briefer					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref					Rule or SOP		Standard		Other / Title		Checklist Reference		
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X									X				
Line(s)	C-Line	Track Number		N/A	Chain Marker and/or Station(s)		From		To					
							N/A		N/A					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											
Description	FWSO personnel received a job safety briefing from the Surge 13 briefing table. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits reviewed. The briefer covered the locations,								Number of Defects		0			
									Recommended Finding?		No			
									Remedial Action Required?		No			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.18 18:02:41 -04'00'		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	types of work taking place, as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a bracelet indicating their receipt of the briefing and were granted access to the roadway. No exceptions were taken.							Recommended Reinspection?		No	
Remedial Action	N/A										

Inspection Activity #	2	Inspection Subject	Eisenhower Ave (C14) – Compression Connector (Lug) Replacement				Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	SafeTrack Dedicated Safety Briefer		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	Outside Shift	Yes	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	PREVENTIVE MAINTENANCE INSPECTION (PMI) FOR TRACK FEEDER CABLE - 1000 KCMIL / 1500 KCMIL (REVISION 4, JUNE 16, 2015)										
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X									X	
Line(s)	C-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					CM 592+00			CM 592+00			
Vehicles	Head Car Number		Number of Cars		Equipment	Compression Connector (Lug) Replacement					
	N/A		N/A								
Description	FWSO inspectors observed WMATA's power department and electrical contractors performing replacement of a corroded compression connector (lug) located in an orange boot. During the inspection, FWSO Inspectors observed the contractor's replacement of the compression connector, which was completed per the Traction Power Design Drawing (DD-TP-SSI-013) detail for "Cable Connector Assembly." The FWSO Inspector and WMATA personnel did not note any defects during the replacement process.						Number of Defects		0		
							Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)
Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170412-WMATA-WP-4		
	2017	04	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CM
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	Mich [REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Surge #13 Work Area –Eisenhower Ave Station (C14) to Huntington (C15) to King Street (C13) to Braddock Road (C12) Surge #13 Work Area – Van Dorn (J02) to Alexandria Yard (C99) to Eisenhower Ave Station (C14)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-OBS				
Inspection Units	1	1				
Inspection Subunits	1	20				
Defects (Number)	0	8				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Eisenhower Ave (C14) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	SafeTrack Dedicated Safety Briefer					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800-1530	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref					Rule or SOP		Standard		Other / Title		Checklist Reference		
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X							X	X	X				
Line(s)	C-Line	Track Number			N/A	Chain Marker and/or Station(s)	From		To					
	J-Line						N/A		N/A					
Vehicles	Head Car Number			Number of Cars		Equipment	N/A							
	N/A			N/A										
Description	FWSO personnel received a job safety briefing from the Surge 13 briefing table. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The briefer covered the							Number of Defects		0				
								Recommended Finding?		No				
								Remedial Action Required?		No				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.18 18:14:56 -04'00'	Date
Inspector in Charge – Name Winslow Powell	Inspection Team Tino Sahoo			



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	locations, types of work taking place, as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a bracelet indicating their receipt of the briefing and were granted access to the roadway. No exceptions were taken.							Recommended Reinspection?		No	
Remedial Action	N/A										

Inspection Activity #	2	Inspection Subject	Surge #13 – SafeTrack Walkthrough			Activity Code		TP	RM	OBS	
Job Briefing Employee Name/Title	SafeTrack Dedicated Safety Briefer		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800-1530	Outside Shift	Yes	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard		Other / Title			Checklist Reference			
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)										
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016)										
	TRACK AND STRUCTURES DIVISION – TRST 1000 TRACK MAINTENANCE AND INSPECTION MANUAL (REVISION 7, MARCH 2017)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	C-Line	Track Number	Track 1&2	Chain Marker and/or Station(s)	From			To			
	J-Line				Eisenhower Ave (C14) Van Dorn (J02)			Braddock Road (C12) Eisenhower Ave (C14)			
Vehicles	Head Car Number		Number of Cars		Equipment	Traction Power Cables/ETS Boxes/3 rd Rail Infrastructure					
	N/A		N/A								
Description	<p>The following new defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none"> • TRK 2 CM 593+00 – Heat shrink on a conduit stub-up needs replacement¹. • TRK 2 CM 592+00 – Heat shrink on a conduit stub-up needs replacement¹. • TRK 1 CM 592+00 – Heat shrink on a conduit stub-up needs replacement¹. • TRK 2 CM 658+00 – Emergency trip station (ETS) blue light is out². • TRK 1 CM 658+00 – ETS blue light is out². • TRK 2 CM 567+00 – A feeder cable needs to be re-welded to the 3rd rail³. • TRK 2 CM 585+00 – Expansion cables need to be replaced and moved to the field side of the 3rd rail³. • TRK 1 CM 555+00 – The 3rd rail end approach needs replacement⁴. <p>The above defects were to be fixed before cutover to revenue service on 4/13/17 at 0500 hours.</p> <p>¹ The above remedial actions should be in compliance with: TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) detail “Cable Connector Assembly”</p> <p>² The above remedial actions should be in compliance with: TRACK AND STRUCTURES DIVISION – TRST 1000 TRACK MAINTENANCE AND INSPECTION MANUAL (REVISION 7, MARCH 2017), 105.10 emergency trip stations (ETS) “Inspect for broken lights and blue globes and note on inspection report for replacement.”</p>							Number of Defects		8	
								Recommended Finding?		Yes	
								Remedial Action Required?		Yes	
								Recommended Reinspection?		Yes	



	<p>³The above remedial actions should be in compliance with: ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016).</p> <p>⁴The above remedial action should be in compliance with: TRACK AND STRUCTURES DIVISION – TRST 1000 TRACK MAINTENANCE AND INSPECTION MANUAL (REVISION 7, MARCH 2017), section “107.7.4 Inspection Standards (3rd Rail), “End Approaches.”</p> <hr/> <p>Other Notable Observations:</p> <ul style="list-style-type: none">• TRK 2 CM 582+00 – The 3rd rail is missing a cover board.• TRK 2 CM 602+00 – The conduit encasing cables from the heat trace panel to the track bed are broken.• TRK 2 CM 606+00 – The 3rd rail post insulator is compromised.• TRK 2 CM 662+00 – There are cables lying on the ground.• TRK 2 CM 673+00 – There are cables lying on the ground.• TRK 2 CM 640+00 – There are cables lying on the ground. The cable pigtails should be upgraded to 2 kV.• TRK 2 CM 639+00 – There are cables lying on the ground. The cable pigtails should be upgraded to 2 kV.• TRK 2 CM 619+00 – Remove heater tape shoe box from trackside.• TRK 1 CM 606+00 – One power cable is too close to the 3rd rail.• TRK 2 CM 577+00 – Garbage and debris need to be removed from in between the tracks.• TRK 2 CM 530+00 – The ETS panel front cover is missing.• TRK 2 CM 522+00 – Remove heater tape shoe box from trackside. <p>FWSO will follow up to confirm the conclusion of the work.</p>		
Remedial Action	<p>To achieve compliance with WMATA’s requirements:</p> <ul style="list-style-type: none">• WMATA must install heat shrink on the conduit-stub up (TRK2, CM 593+00).• WMATA must install heat shrink on the conduit-stub up (TRK 2, CM 592+00).• WMATA must install heat shrink on the conduit-stub up (TRK 1, CM 592+00).• TRK 2 CM 658+00 – WMATA must relamp or fix the ETS blue light (TRK 2, CM 658+00).• TRK 1 CM 658+00 – WMATA must relamp or fix the ETS blue light (TRK 1, CM 658+00).• WMATA must reweld the feeder cable to the 3rd rail (TRK 2, CM 567+00).• WMATA must replace the expansion cables and move them to the field side of the 3rd rail (TRK 2, CM 585+00).• WMATA must replace the 3rd rail end approach (TRK 1, CM 555+00).		



Inspection Form

FOIA Exemption: All (b)(6)
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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170414-WMATA-WP-1		
	2017	04	14				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CBL. IN.
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Rockville (A14) to Twinbrook (A13), Track 2						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-WI-OBS					
Inspection Units	1					
Inspection Subunits	22					
Defects (Number)	4					
Recommended Finding	Yes					
Remedial Action Required ¹	Yes					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject			Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC WMATA Watchman/Lookout WMATA Documenter			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	RWPM			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref			Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)											
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016)											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.19 09:54:45 -0400		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo					



Line(s)	A-Line	Track Number	2	Chain Marker and/or Station(s)	From	To
					Rockville (A14)	Twinbrook (A13)
Vehicles	Head Car Number	Number of Cars		Equipment	N/A	
	N/A	N/A				
Description	<p>The job safety briefing was comprehensive. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion. No exceptions were taken to the job safety briefing.</p> <p>The following new defects were observed and not in compliance with WMATA TRACTION POWER DESIGN DRAWING (DD PP SSI 013, REVISION 0, AUGUST 2001) detail "Cable Connector Assembly." There were no color coded conditions noted:</p> <ul style="list-style-type: none"> • TRK 2 CM 788+00 – Heat shrink needs replacement on conduit stub-ups. (See Figure 1.) • TRK 2 CM 787+00 – Neoprene sleeve (sealing collar) where cable pigtail and orange boot meet is compromised. (See Figure 2.) • TRK 2 CM 737+00 – Heat shrink needs replacement on conduit stub-up. (See Figure 3.) • TRK 2 CM 701+00 – Heat shrink needs replacement on conduit stub-up. (See Figure 4.) <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • TRK 2 CM 788+00 – Cables were lying on the ballast. • TRK 2 CM 787+00 – Cables were lying on the ballast. • TRK 2 CM 777+00 – Cables were lying on the ballast. The 3rd rail cover board is missing. • TRK 2 CM 767+00 – Cables were lying on the ballast. • TRK 2 CM 757+00 – Cables were lying on the ballast. The temporary zip ties on cable clamps with Kindorf straps need to be replaced. • TRK 2 CM 748+00 – Cables were lying on the ballast. • TRK 2 CM 738+00 – Cables were lying on the ballast. • TRK 2 CM 737+00 – Cables were lying on the ballast. The 3rd rail cover board was missing. • TRK 2 CM 726+00 – Cables were lying on the ballast. • TRK 2 CM 716+00 – Cables were lying on the ballast. • TRK 2 CM 705+00 – Cables were lying on the ballast. • TRK 2 CM 704+00 – Cables were lying on the ballast. • TRK 2 CM 701+00 – Cables were lying on the ballast. The 3rd rail cover board was missing. • TRK 2 CM 700+00 – Cables were lying on the ballast. <p>FWSO will follow up to confirm the conclusion of the work once the cable issues have been corrected.</p>				Number of Defects	4
					Recommended Finding?	Yes
					Remedial Action Required?	Yes
					Recommended Reinspection?	Yes
Remedial Action	<p>To achieve compliance with WMATA requirements:</p> <ul style="list-style-type: none"> • WMATA must replace heat shrink on the conduit stub-ups (TRK 2 CM 788+00). • WMATA must replace neoprene sleeve (sealing collar) where the cable pigtail and orange boot meet (TRK 2 CM 787+00). • WMATA must replace heat shrink on the conduit stub-up (TRK 2 CM 737+00). • WMATA must replace heat shrink on the conduit stub-up (TRK 2 CM 701+00). 					



FIGURE 1 - TRK 2 CM 788+00 – HEAT SHRINK NEEDS REPLACEMENT ON CONDUIT STUB-UPS.



FIGURE 2 - TRK 2 CM 787+00 – NEOPRENE SLEEVE (SEALING COLLAR) WHERE CABLE PIGTAIL AND ORANGE BOOT MEET IS COMPROMISED.



FIGURE 3 - TRK 2 CM 737+00 – HEAT SHRINK NEEDS REPLACEMENT ON CONDUIT STUB-UP.



FIGURE 4 - TRK 2 CM 701+00 – HEAT SHRINK NEEDS REPLACEMENT ON CONDUIT STUB-UP.



Inspection Form

FOIA Exemption: All (b)(6)

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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170414-WMATA-WP-2		
	2017	04	14				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	E Line						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	N/A					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Rail Compliance Inspection			Activity Code		RTRA	RI	OBS
Job Briefing Employee Name/Title	N/A				Accompanied Inspector?	No	Out Brief Conducted	No	Time	1100-1500	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07		MSRPH General Rules 1.46-1.52 1.69-1.84 MSRPH Operating Rules 3.87 3.119, 3.120, 3.121,3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X		X									X	
Line(s)	E Line		N/A					From		To			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, cn=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.19 09:47:56 -04'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Chris Difatta				

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Version date: 8/26/16



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		Track Number		Chain Marker and/or Station(s)	Greenbelt (E10)	L'Enfant Plaza (F03)
Vehicles	Head Car Number	Number of Cars		Equipment	N/A	
	N/A	N/A				
Description	<p>An FWSO Inspector observed rail operations on eight trains between Greenbelt (E10) and L'Enfant Plaza (F03). The inspector observed train handling, announcements, train horn communication, and fitness for duty.</p> <p>The FWSO Inspector did not note any defects during observations.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none">FWSO Inspector observed Train Operations through Work Zones/Passing Roadway Workers between West Hyattsville and Fort Totten Stations. The train operator was compliant with MSRPH Operating Rule 3.87 and Permanent Order No. T-16-07, Rev 1. The train operator acknowledged hand signals and responded with two short horn blasts. <p>No exceptions were taken.</p>				Number of Defects	0
					Recommended Finding?	No
					Remedial Action Required?	No
					Recommended Reinspection?	No
Remedial Action	N/A					



Inspection Form

FOIA Exemption: All (b)(6)
Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170415-WMATA-WP-1		
	2017	04	15				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TPRO
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Surge 14 – Greenbelt (E10) to PG Plaza (E08)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-RWP-OBS	TRK-GEN-OBS	TRK-GEN-OBS		
Inspection Units	1	1	1	1		
Inspection Subunits	1	20	1	1		
Defects (Number)	0	0	0	0		
Recommended Finding	No	No	No	No		
Remedial Action Required ¹	No	No	No	No		
Recommended Reinspection	No	No	No	No		

Activity Summaries

Inspection Activity #	1	Inspection Subject			Roadway Worker Protection – Job Safety Briefing			Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST Unit #5191			Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630 – 1315	Outside Shift	Yes	
Related Reports				Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM											
	MSRPH											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X	X		
Line(s)	E-Line	Track Number	tracks 1,2 and 3	Chain Marker and/or Station(s)	From		To					
					E1 CM682+85 E2 CM451+19 E3 CM656+80	E1 CM451+28 E2 CM683+85 E3 CM559+20						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.19 09:37:42 -04'00'		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Winslow Powell, Lee Emard, Robert Maniuszko				



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Description	<p>The FWSO team received a job safety briefing at Greenbelt (E10) Station. The briefing was comprehensive. Multiple opportunities to ask questions were provided.</p> <p>The following is a summary of the items covered during the briefing:</p> <ul style="list-style-type: none"> Hot Spots – A list of hot spots was shown to each roadway worker during the job safety briefing. The hot spot discussed —as described in the access guide— included: <ul style="list-style-type: none"> curve: restricted view interlocking no clearance fence/interlocking Mobile Command is the roadway worker in charge (RWIC) for the working limits. The Mobile Command specifics are: <ul style="list-style-type: none"> They will monitor and communicate on OPS #12. They can be reached via landline at 202-617-3300. They hold the red tags for the working limits. The tag numbers are 2017105513A and 2017105514A. All movement of roadway maintenance machines are controlled by the Mobile Command. No one may access the roadway without contacting the Mobile Command. Job site hazards – Work zone hazards were discussed. The following is a list of the hazards discussed: <ul style="list-style-type: none"> trip hazards roadway maintenance machine movement poor lighting weather – temperatures will be elevated; hydration is necessary. noise dust Safety rule of the day – Rule 4.183: “When it is necessary for employees to walk beyond the platform end gate where the walkway is not protected by a handrail, or to walk or work on tracks around moving trains or track equipment, they shall:” <p>No exceptions were taken.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Roadway Worker Protection – Work Zone Set-up				Activity Code	TRK	RWP	OBS	
Job Briefing Employee Name/Title	TRST Unit #5191		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630 – 1315	Outside Shift	Yes	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
	Surge 14.1 Map					Surge 14.1 (E08-E10) Shutdown April 15-30, 2017					
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	E-Line	Track Number	tracks 1,2 and 3	Chain Marker and/or Station(s)	From		To				
					E1 CM682+85 E2 CM451+19 E3 CM656+80	E1 CM451+28 E2 CM683+85 E3 CM559+20					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description							Number of Defects	0			



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	<p>The FWSO Inspection Team verified the Roadway Worker Protection (RWP) work zone protections as per the Surge 14.1 Shutdown Map. The following elements were visually inspected and verified:</p> <ul style="list-style-type: none"> Barrier with E-Flares, shunt – chained and locked, E1 CM682+85 Barrier with E-Flares, shunt – chained and locked, E1 CM683+85 Work mat and E-Flares, E1 CM682+35 Work mat and E-Flares, E2 CM683+35 Clamp, E1 CM661+44 Clamp, E2 CM661+44 Clamp, E1 CM657+23 Clamp, E2 CM657+23 Work mat and E-Flares, E3 CM656+80 Clamp, E2 CM653+62 Clamp, E3 CM651+62 (Approx.) Work mat and E-Flares, E3 CM559+20 Clamp, E1 CM531+54 Clamp, E2 CM531+54 Clamp, E1 CM528+08 Clamp, E2 CM528+08 Work mat and E-Flares, E1 CM451+78 Barrier with E-Flares, shunt – chained and locked, E1 CM451+28 Barrier with E-Flares, shunt – chained and locked, E2 CM451+19 Work mat and E-Flares, E2 CM451+69 	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	3	Inspection Subject	Mobile Command				Activity Code	TRK	GEN	OBS	
Job Briefing Employee Name/Title	TRST Unit #5191		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630 – 1315	Outside Shift	Yes	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	E-Line	Track Number	Tracks 1,2 and 3	Chain Marker and/or Station(s)	From		To				
					E1 CM682+85 E2 CM451+19 E3 CM656+80	E1 CM451+28 E2 CM683+85 E3 CM559+20					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO Team visited the mobile command vehicle that was located in the parking lot at Greenbelt (E10) Station. The individuals within provided an overview of their role and responsibilities.</p> <p>The following is a list of some of their duties:</p> <ul style="list-style-type: none"> Ensure proper roadway protections are installed and maintained throughout the shutdown. The staff stated that they have a valid staff member working with them who is responsible for ensuring that the set-up is proper on a daily basis. Radio transmissions are monitored for the work zone. The Mobile Command controls red tags. The keys for the lock-out/tag-out are kept in a locked box within the vehicle. 						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
								Recommended Reinspection?	No		



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Federal Transit Administration

Form FTA-IR-1

	<ul style="list-style-type: none"> Mobile Command controls equipment movement within the work limits. Individual gang leaders for specific work areas within the working limits control vehicle movement within their areas. An overview map is kept to indicate the different work areas and the gang leader responsible for the area. Each individual with Mobile Command keeps a handwritten log of his or her activities. This log is entered in a computer-based log as time permits. The signed map of the working limits is kept at the Mobile Command Center. <p>NOTE: No exceptions were taken by the team regarding the Mobile Command activities or duties.</p>		
Remedial Action	N/A		

Inspection Activity #	4	Inspection Subject	General Observations					Activity Code		TRK	GEN	OBS
Job Briefing Employee Name/Title	TRST Unit #5191			Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630 – 1315	Outside Shift	Yes	
Related Reports				Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM											
	MSRPH											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X	X		
Line(s)	E-Line	Track Number	tracks 1,2 and 3	Chain Marker and/or Station(s)	From				To			
					E1 CM682+85 E2 CM451+19 E3 CM656+80				E1 CM451+28 E2 CM683+85 E3 CM559+20			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	<p>The FWSO team observed the entire Surge 14 area. The team was escorted by Track Unit 73 and then Track Unit 6175.</p> <p>The WMATA team were in the process of staging equipment and materials for the scheduled activities. The team observed:</p> <ul style="list-style-type: none"> Crossties and other materials staged along the roadway. A convoy block movement of numerous pieces of roadway equipment from Greenbelt Yard into the work limits and down to the College Park Station was observed. The team was able to ride the lead equipment during this move. The team took no exception to the radio calls or vehicle movement of the vehicle during transit. The team walked from the portal at College Park to the end of the working limits on track 1. G.W. Peoples employees were observed working on the right rail in the area of CM452+00. They were replacing tie plates. No exceptions were noted. The team crossed over to track 2 and observed WMATA TRST staff distributing new fasteners for both the right and left rail. No exceptions were noted. The team observed structures on track 2 performing leak mitigation activities. No exceptions were noted. <p>The FWSO Inspector did not note any defects during observations.</p> <p>Other Notable Observations: This note is for any FWSO inspectors that may visit the work zone. The team observed third rail cables that were cut at the air gap located at CM679+20. The</p>							Number of Defects		0		
								Recommended Finding?		No		
								Remedial Action Required?		No		
								Recommended Reinspection?		No		



	cables were originally connected to two yard leads that are identified as: YCR002 and YCR143. The team was informed during the morning WMATA briefing conference call that these cables were cut by WMATA staff as to prevent any chance of inadvertent energization due to a third rail bridge from an energized yard third rail. This measure adds an additional level of protection to the working limits.		
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170417-WMATA-WP-1		
	2017	04	17				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	N/A
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Red Line, Metro Center (A01) to Shady Grove (A15)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	EMGT-GEN-PI					
Inspection Units	1					
Inspection Subunits	15					
Defects (Number)	2					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Fire Life Safety Inspection			Activity Code		EMGT	GEN	PI
Job Briefing Employee Name/Title	N/A				Accompanied Inspector?	No	Out Brief Conducted	No	Time	0600-1400	Outside Shift	Yes	
Related Reports	20170321-WMATA-WP-1				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MetroRail Safety Rules and Procedures Handbook Permanent Order No. T-16-07		SOP# 1A SOP# 8 SOP# 5 MSRPH General Rule 1.12				OSHA Standard CFR 1910.157 (e) (2)						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			x									x	
Line(s)	Red Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To					
					Metro Center (A01)			Shady Grove (A15)					
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.20 15:21:51 -0400		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Chris Difatta				

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	N/A	N/A		
Description	<p>The FWSO Inspector conducted Fire Life Safety inspections on the Red Line between Metro Center (A01) to Shady Grove (A15). During the inspection, the FWSO Inspector ensured that each station had the correct emergency evacuation maps, functioning fire extinguishers, and that the station manager was in possession of the current Metrorail Safety Rules and Procedures Handbook (MSRPH) and Emergency Evacuation Procedures Manual for reference in case of emergency.</p> <p>The following new defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none">• Station manager was not in possession of the MSRPH or Emergency Evacuation Procedures at the Medical Center Station. (MSRPH General Rule 1.12)• Station manager was not in possession of the MSRPH or Emergency Evacuation Procedures at the Cleveland Park Station. (MSRPH General Rule 1.12) <p>Remedial actions for these defects were previously issued in FWSO report: 20170321-WMATA-WP-1.</p>	Number of Defects	2	
		Recommended Finding?	No	
		Remedial Action Required?	No	
		Recommended Reinspection?	Yes	
Remedial Action	N/A			



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170418-WMATA-AG-1		
	2017	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	PMI
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Traction Power Substation (TPSS) Columbia Heights (E04)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-RM-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject			TPSS - 13.8 kV AC Switchgear (Siemens) Breaker Preventive Maintenance Inspection (PMI)			Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Electrician			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports				Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref			Rule or SOP		Standard		Other / Title		Checklist Reference		
	PMI FOR SIEMENS 13.8 kV AC TYPE GMI VACUUM BREAKER AND SWITCHGEAR 720/1090 DAY INSPECTION (REVISION 2, JUNE 20, 2013)											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
			X								X	
Line(s)	C-Line		Track Number	N/A				From	To			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFTWorthTX, ou=DOT FRAFTWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 11:57:32 -05'00'	Date
Inspector in Charge - Name Adam Giovando	Inspection Team Tino Sahoo		



United States Department of Transportation
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				Chain Marker and/or Station(s)	TPSS Columbia Heights (E04)	TPSS Columbia Heights (E04)
Vehicles	Head Car Number	Number of Cars	Equipment	Siemens AC Type GMI Vacuum Breakers and Switchgear		
	N/A	N/A				
Description	A job safety briefing was done at the Traction Power Substation for FWSO personnel. No issues or concerns were noted. Two WMATA high-voltage power electricians performed the preventive maintenance on the lineup of seven AC circuit breakers on the Siemens AC switchgear. Maintenance was then performed per the PMI for Siemens 13.8 kV AC-type GMI vacuum breaker and Switchgear 720/1090 day inspection. The FWSO Inspector and WMATA personnel did not note any defects.				Number of Defects	0
					Recommended Finding?	No
					Remedial Action Required?	No
					Recommended Reinspection?	No
Remedial Action	N/A					



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170418-WMATA-WP-1		
	2017	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Production
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Surge 14 Work Area, College Park Station						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	Surge 14 Briefing Table					Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1400-1630	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X							X						
Line(s)	E-Line		Track Number	tracks 1 and 2	Chain Marker and/or Station(s)		From		To					
							Prince George's Plaza (E08)		Greenbelt (E10)					
Vehicles	Head Car Number			Number of Cars		Equipment	N/A							
	N/A			N/A										
Description											Number of Defects		0	

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTA HQ, cn=WINSLOW L. POWELL Date: 2017.04.20 15:25:09 -04'00'	Date
Inspector in Charge - Name Winslow Powell	Inspection Team Winslow Powell, Troy Lloyd, Adam Giovando, Al Nepa, Mike Vitale			



United States Department of Transportation
Federal Transit Administration

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	FWSO personnel received a job safety briefing from the briefing table at Greenbelt (E10). All personal protective equipment (PPE) was confirmed by the briefer. All roadway worker protection (RWP) badges were also confirmed by the briefer. The briefing was thorough. It covered the protections in place for the entire work area, inaccessible track, as well as the locations of all barriers, switches, and working limits throughout the area. The briefer also noted the nearest hospital and appropriate radio channel and phone number for the Mobile Command Center (MCC), which is serving as the roadway worker in charge (RWIC) for the work area. Finally, the briefer also noted the safety rule of the day. FWSO personnel were given red wristbands demonstrating they had been briefed and were given permission to enter the work zone.							Recommended Finding?		No			
								Remedial Action Required?		No			
								Recommended Reinspection?		No			
Remedial Action	N/A												
Inspection Activity #	2	Inspection Subject					SafeTrack Work Zone Inspection		Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	Surge 14 Briefing Table			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1400-1630	Outside Shift	No		
Related Reports	N/A			Related CAPS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard		Other / Title		Checklist Reference			
	RWPM												
	MSRPH												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X					
Line(s)	E-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)	From				To				
					Prince George's Plaza (E08)				Greenbelt (E10)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										
Description	<p>FWSO personnel inspected the work zone surrounding the College Park Station. In this area, WMATA was performing tie and fastener renewal. FWSO observed two tie gangs working on tracks one and two between Greenbelt (E10) and College Park. Additionally, FWSO observed fastener renewal taking place on track 1 between College Park (E09) and Prince George's Plaza (E08). All personnel had the required PPE for the tasks they were performing, and all completed work was of good quality. FWSO also observed several engine burns on the running rail which had been marked for rail replacement.</p> <p>In addition to tie and fastener renewal, WMATA will be performing the following during this surge:</p> <ul style="list-style-type: none"> Welding of running rail joints Replacement of third rail anchors Insulator renewal Cover board replacement Emergency Trip Station (ETS) box inspection and repair Station edge light replacement Leak mitigation Fence line repair Grout pad rehabilitation Expansion, transition, and pigtail cable replacement <p>No exceptions were taken during the inspection.</p>							Number of Defects		0			
								Recommended Finding?		No			
								Remedial Action Required?		No			
								Recommended Reinspection?		No			
Remedial Action	N/A												



Photos:



WMATA tie replacement equipment



Engine burn defect noted for replacement



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration**Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170418-WMATA-WP-2		
	2017	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Car Maintenance	Sub- Department	Inspection
Rail Agency Department Contact Information	Name		Email	Office Phone		Mobile Phone	
	[REDACTED]		[REDACTED]	[REDACTED]		[REDACTED]	
	[REDACTED]		[REDACTED]	[REDACTED]		[REDACTED]	
	[REDACTED]		[REDACTED]	[REDACTED]		[REDACTED]	
	[REDACTED]		[REDACTED]	[REDACTED]		[REDACTED]	
Inspection Location	Greenbelt Service and Inspection Facility (E99)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-WI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	1					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Shop Observations – Greenbelt Yard			Activity Code		VM	SI	PI
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1230-1430	Outside Shift	No
Related Reports	20160624-WMATA-WP-1		Related CAPS / Findings	N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard		Other / Title		Checklist Reference			
	MetroRail Safety Rules and Procedures Handbook (MSRPH)	MSRPH General Rules 1.46-1.52 1.69-1.84 MSRPH Operating Rules 3.87 3.119, 3.120, 3.121,3.121.1, 3.79.1, 3.141 SOP# 12, 15, 16, 35, 45, 50	OSHA Standard 1926.100							

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Tom Wozniak, Chris Difatta			



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Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					X						X
Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)	From		To				
					N/A		N/A				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors conducted a general observation of shop activities performed by maintenance personnel. FWSO inspectors noted that all mechanics had the proper tooling, current maintenance procedures and bulletins.</p> <p>There was one non-color-coded defect noted:</p> <ul style="list-style-type: none">Three employees were observed not wearing proper personal protection equipment (PPE) (i.e., hard hats) while walking under the equipment. This is noncompliant with WMATA rule 4.5.1 which states: "Bump hats shall be worn while working under vehicles." <p>A remedial action for this defect was previously issued in FWSO report 20160624-WMATA-WP-1.</p>						Number of Defects		1		
							Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170419-WMATA-WP-1		
	2017	04	19				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Car Maintenance	Sub- Department	Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Greenbelt Service and Inspection Facility (E99)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-WI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	1					
Recommended Finding	Yes					
Remedial Action Required ¹	Yes					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject				Shop Observations – Greenbelt Yard			Activity Code		VM	SI	PI
Job Briefing Employee Name/Title	N/A				Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	08:00-11:00	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	MSRPH		SOP #12		N/A								
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
					X							X	
Line(s)	N/A		Track Number	N/A	Chain Marker and/or Station(s)		From		To				
							N/A		N/A				
Vehicles	Head Car Number		Number of Cars		Equipment		Carbody/Truck Hoist wheel chocks						
	6036-6037		2										
Description	FWSO inspectors observed two cars being brought into the maintenance facility for maintenance at the Greenbelt Service and Inspection Facility. Observation was to assess compliance with Standard Operating Procedures (SOP) #12 for							Number of Defects		1			
								Recommended Finding?		Yes			
								Remedial Action Required?		Yes			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		 Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.21 14:34:37 -04'00'		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Tom Wozniak, Bill Hults					



	<p>“Movement of Rail Vehicle(s), into a Maintenance Facility”. FWSO inspectors observed four WMATA car maintenance mechanics properly positioned as flag persons. This group is referred to as the “Rail Vehicle Movement Team” (RVMT). One train operator used for the move was also observed.</p> <p>The RVMT made all appropriate communications with the train operator and properly warned personnel in close proximity to the movement area of the incoming train. The train operator also made all appropriate safety stops on approach to the maintenance facility: stopped at the entrance door, opened the cab window as required, and waited for the primary flag person to signal him into the facility. Once inside the facility, the primary flag person ensured the train operator properly positioned the train on the car body/truck hoist. Then an assistant flag person properly placed the wheel chocks under the train wheels.</p> <p>The following new non-color-coded defect was observed:</p> <ul style="list-style-type: none">• The train operator disembarked the train without applying one operational set of handbrakes after positioning the rail vehicle(s) in the maintenance facility as required by: SOP# 12 12.5.4.4.	Recommended Reinspection?	Yes
Remedial Action	<p>To achieve compliance with WMATA’S requirements:</p> <ul style="list-style-type: none">• WMATA must set the vehicle handbrakes in accordance with SOP# 12 12.5.4.4.		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170421-WMATA-AG-1		
	2017	04	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CM
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	L'Enfant Plaza (F03) Traction Power Substation (TPSS) – Ohio Drive SW and Aerial Guideway between Pentagon Station (C07) to L'Enfant Station (F03)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-RM-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Emergency Trip Switch (ETS) Relay Cabinet Corrective Maintenance			Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Supervisor					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X									X				
Line(s)	C-Line and F-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)	From			To						
	L'Enfant Plaza (F03) TPSS and Pentagon (C07) Aerial Track				L'Enfant Plaza (F03) TPSS and L'Enfant Plaza (F03) Aerial Track									
Vehicles	Head Car Number		Number of Cars		Equipment	Emergency Trip Switch (ETS) Relay Cabinet								
	N/A		N/A											

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge – Signature ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFTWorthTX, ou=DOT FRAFTWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 11:58:06 -05'00'		Date
Inspector in Charge – Name Adam Giovando		Inspection Team Tino Sahoo		



Description	<p>The job safety briefing was comprehensive. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion. No exceptions were taken to the job safety briefing.</p> <p>WMATA emergency trip switch (ETS) crew was troubleshooting the ETS relay cabinet to fix a relay. It was sending a constant trip ("open") signal to the DC feeder breaker #33 from relay 3 in the ETS relay cabinet at L'Enfant Plaza (F03) TPSS and DC feeder breaker #33 from relay 1 in ETS relay Cabinet at Pentagon (C07). Feeder breaker #33 was constantly being tripped or "opened" at L'Enfant Plaza (F03) TPSS as well as the adjacent TPSS at Pentagon (C07). The tripping of the DC feeder breakers at both TPSS (C07 and F03) de-energizes the portion of the 3rd rail it feeds. The ETS trip mechanism of de-energizing the 3rd rail had to be disabled and troubleshoot during revenue service as it would have deadened the 3rd rail.</p> <p>One crew was on the aerial guideway testing ETS boxes, another was at L'Enfant Plaza (F03) TPSS, and the third crew was located at Pentagon (C07) TPSS. Each portion of third rail in the system is fed from two different sources; in this case, two traction power substations (TPSS).</p> <p>The FWSO Inspector and WMATA personnel did not note any defects.</p> <p>Other Notable Observations: WMATA personnel were able to diagnose the problem as a bad wire between ETS boxes 19 and 21. No spare wires were available to replace the defective ones.</p> <p>The WMATA region crew will have to pull new wire between ETS boxes 19 and 21 during non-revenue service. Once new wire is pulled and connected, WMATA ETS crew will test the relays to ensure that they are working properly by not sending an erroneous continual trip signal to feeder breaker #33 at L'Enfant Plaza (F03) TPSS and Pentagon (C07) TPSS.</p> <p>FWSO will follow up to confirm the conclusion of the work once issues have been corrected.</p>	Number of Defects	0	
		Recommended Finding?	No	
		Remedial Action Required?	No	
		Recommended Reinspection?	Yes	
Remedial Action	N/A			



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170421-WMATA-AG-2		
	2017	04	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CBL. IN.
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Van Ness (A06) to Woodley Park (A04), Track 2						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-WI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject			Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC WMATA Watchman/Lookout WMATA Documenter			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	RWPM			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref			Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)											
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016)											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X								X			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAftWorthTX, ou=DOT FRAftWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 11:58:59 -05'00'		Date
Inspector in Charge - Name Adam Giovando		Inspection Team Tino Sahoo		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Line(s)	A-Line	Track Number	track 2	Chain Marker and/or Station(s)	From	To
					Van Ness (A06)	Woodley Park (A04)
Vehicles	Head Car Number	Number of Cars		Equipment	N/A	
	N/A	N/A				
Description	<p>The job safety briefing was comprehensive. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion. No exceptions were taken to the job safety briefing.</p> <p>Daily cable inspections are part of the holistic approach WMATA has instituted to prevent cable fires and arcing incidents. The pictures taken and issues noted were entered in a database for nighttime cable repair crews to fix.</p> <p>The FWSO Inspector and WMATA personnel did not note any defects.</p> <p>Notable Observations:</p> <ul style="list-style-type: none">• TRK 2 CM 198+00 – Cables lying on the concrete deck; Trash surrounding cables• TRK 2 CM 197+00 – Trash and debris surrounding cables• TRK 2 CM 196+00 – Cables lying on the concrete deck; trash surrounding cables• TRK 2 CM 151+00 – Cables lying on the concrete deck <p>FWSO will follow up to confirm the conclusion of the work once the cable issues have been corrected.</p>				Number of Defects	0
					Recommended Finding?	No
					Remedial Action Required?	No
		Recommended Reinspection?	Yes			
	Remedial Action	N/A				



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170421-WMATA-WP-1		
	2017	04	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line between Huntington (C15) and King Street (C13)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	3	1				
Defects (Number)	1	1				
Recommended Finding	No	Yes				
Remedial Action Required ¹	Yes	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Roadway Worker Protection – Job Safety Briefing			Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST Unit # 6036, RWIC TRST Unit # 6367, Inspector					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference				
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X							X				
Line(s)	C-Line	Track Number	track 2		Chain Marker and/or Station(s)		From		To					
							Huntington (C15)		King Street (C13)					
Vehicles	Head Car Number		Number of Cars		Equipment									
Description	The job safety briefing was performed at Huntington Station (C15) by TRST unit 6036, who also acted as the roadway worker in charge (RWIC). The briefing was							Number of Defects		1				
								Recommended Finding?		No				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.27 06:59:13 -04'00'		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Alexander Nepa					

Form FTA-IR-1

Version date: 8/26/16



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	fully compliant with the WMATA Roadway Worker's Protection Manual (RWPM) requirements. It included WMATA badge-level verification, type of protection, train approach warning (TAW), potential hazards, hot spots, and hospital location. During the briefing, the RWIC identified a location where a single watchman/lookout would not have the required sight distance for safe warning of approaching trains. He informed the work group that foul time would be called for at that location.	Remedial Action Required?	No
	<p>The following new defect was observed, and it was not a color-coded condition:</p> <ul style="list-style-type: none"> WMATA, RWPM-2014 defect, 2.7: The RWIC acting as the watchman/lookout did not have the required equipment (air horn) in his possession. The RWIC informed the FWSO Inspector that there were no air horns available at his headquarters. The FWSO Inspector took exception and phoned the WMATA SAFE Department member to confirm that an air horn was required to be available for employees. An air horn was later provided to the RWIC watchman/lookout prior to the work group entering the roadway. 	Recommended Reinspection?	No
Remedial Action	<ul style="list-style-type: none"> N/A 		

Activity Summaries

Inspection Activity #	2	Inspection Subject	Track General Inspection					Activity Code		TRK	GEN	INS
Job Briefing Employee Name/Title	TRST Unit # 6036, RWIC TRST Unit # 6367, Inspector		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No		
Related Reports			Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title			Checklist Reference			
	TRST-1000 rev. 6											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X	X		
Line(s)	C-Line	Track Number	track 2		Chain Marker and/or Station(s)		From		To			
							Huntington (C15)		King Street (C13)			
Vehicles	Head Car Number		Number of Cars		Equipment							
Description	<p>The FWSO Inspector performed an observation of the WMATA Track Inspector between Huntington Station (C15) and King Street Station (C13). The were no exceptions to the inspector's track observation techniques.</p> <p>The following new defect was observed, and it was not a color-coded condition:</p> <ul style="list-style-type: none"> WMATA, TRST 1000 defect 13.3.14: At the C-15-06 signal, CM 622+00, the end cover board is missing. 							Number of Defects		1		
								Recommended Finding?		No		
								Remedial Action Required?		No		
								Recommended Reinspection?		No		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must replace end cover board at the C-15-06 signal. 											



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170422-WMATA-LF-1		
	2017	04	22				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub- Department	ATC Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	G-02 Capital Heights ATC Room and track circuit quarterlies.						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	ATC Supervisor Weekend Day Shift				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	900-1400	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	ATC 1000, 2000, 3000 Test and Inspection Manual		1012A,B,C				Track Circuit Test						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X								X				
Line(s)	G	Track Number		1 and 2		Chain Marker and/or Station(s)		From		To			
								G1 355+00		G1 429+00			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	N/A		N/A										

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Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRACicagoll, ou=FRA FRACicagoll, cn=LEON FERGUSON JR Date: 2017.05.05 11:18:19 -05'00'
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO personnel received a Job Safety Briefing from ATC Unit [ATC weekend Supervisor morning shift]. All PPE and RWP ID were checked and the inspection limits were reviewed. Briefer covered the type of protection in place, hotspots in the area, well as the nearest hospital and safety rule of the day. FWSO personnel. No exceptions were taken.								Number of Defects		0	
									Recommended Finding?		No	
									Remedial Action Required?		No	
									Recommended Reinspection?		No	
Remedial Action	N/A											

Inspection Activity #	2	Inspection Subject					ATC Room and track circuit quarterly inspection			Activity Code		ATC	WI	OBS
Job Briefing Employee Name/Title	ATC weekend Supervisor morning shift			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	900-1400	Outside Shift	No			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference				
	ATC 1000, 2000, 3000 Test ans Inspection Manual		1012A,B,C					Track Circuit Test						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X								X					
Line(s)	G	Track Number	1 and 2		Chain Marker and/or Station(s)		From		To					
							G1 355+00		G1 429+00					
Vehicles	Head Car Number		Number of Cars		Equipment		N/A							
	N/A		N/A											
Description	<p>FWSO inspectors observed an ATC room and switch inspection at Capitol Heights station between chain markets 355+00 and 429+00 on both tracks of the G line. FWSO inspectors observed the following activities being performed:</p> <ul style="list-style-type: none"> FTA Inspector observed WMATA ATC personnel track set up and verification on track No. 2 G02 Chain marker 355+00 to 429+00. FTA Inspector also reviewed signal testing records in ATC control room. <p>All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.</p>								Number of Defects		0			
									Recommended Finding?		No			
									Remedial Action Required?		No			
									Recommended Reinspection?		No			
Remedial Action	N/A													



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170422-WMATA-WP-1		
	2017	04	22				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line between Huntington (C15) and King Street (C13)						


Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-INS				
Inspection Units	1	1				
Inspection Subunits	5	5				
Defects (Number)	0	1				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Roadway Worker Protection – Job Safety Briefing			Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST Unit # 6168, RWIC TRST Unit # 6271, Watchman/lookout					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 1600	Outside Shift	No	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X							X				
Line(s)	C-Line	Track Number	tracks 1 and 2		Chain Marker and/or Station(s)		From		To					
							Huntington (C15)		King Street (C13)					
Vehicles	Head Car Number		Number of Cars			Equipment								
Description	The job safety briefing was performed at Huntington Station (C15) by TRST unit 6168. The briefing was fully compliant with WMATA Roadway Worker's							Number of Defects		0				
								Recommended Finding?		No				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL	 Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.27 07:00:19 -04'00'	Date
Inspector in Charge – Name Winslow Powell	Inspection Team Alexander Nepa			



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	Protection Manual (RWPM) requirements. It included WMATA badge-level verification, type of protection, train approach warning (TAW), potential hazards, hot spots and hospital location. No exceptions taken to the job safety briefing.	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Activity Summaries

Inspection Activity #	2	Inspection Subject	Track General Inspection				Activity Code	TRK	GEN	INS							
Job Briefing Employee Name/Title	TRST Unit # 6168, RWIC TRST Unit # 6271 Watchman/lookout			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 1600	Outside Shift	No						
Related Reports				Related CAPS / Findings													
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard		Other / Title		Checklist Reference								
	TRST-1000 rev. 7																
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A						
	X							X	X	X							
Line(s)	C-Line	Track Number	tracks 1 and 2 switch inspections	Chain Marker and/or Station(s)	From				To								
					Huntington (C15)				King Street (C13)								
Vehicles	Head Car Number		Number of Cars		Equipment												
Description	The FWSO Inspector observed a WMATA contractor from Harsco perform switch inspections using the new, non-distributed TRST 1000, revision 7 track maintenance standards. Although there were no exceptions taken to the inspector's switch inspection techniques, the FWSO Inspector noted one defect. This was not a color-coded condition: <ul style="list-style-type: none"> WMATA, TRST 1000 defect 13.3.14: On track one, at CM WBYL 0+30, the end cover board is missing. 							Number of Defects		1							
	Recommended Finding?					Yes											
	Remedial Action Required?					Yes											
							Recommended Reinspection?		Yes								
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must replace the end cover board at CM WBYL 0+30 track one. 																



Inspection Form

FOIA Exemption: All (b)(6)
Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170423-WMATA-LF-1		
	2017	04	23				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub- Department	ATC Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	G-04 Morgan Blvd. Interlocking						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	ATC Supervisor Weekend Afternoon Shift				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1700-2200	Outside Shift	Yes	
Related Reports	N/A				Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference			
	ATC 1000, 2000, 3000 Test and Inspection Manual		ATC 3003					Interlocking Inspection					
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X								X				
Line(s)	G	Track Number	1 and 2	Chain Marker and/or Station(s)	From				To				
					G1 545+00				G1 550+00				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	LEON FERGUSON JR		Digitally signed by LEON FERGUSON JR DN: c=US, o=U.S. Government, ou=DOT FRACChicagoLL, ou=FRA FRACChicagoLL, cn=LEON FERGUSON JR Date: 2017.05.05 11:22:14 -05'00'	Date
Inspector in Charge - Name Leon Ferguson	Inspection Team Leon Ferguson			



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO personnel received a Job Safety Briefing from ATC Unit (ATC Supervisor Weekend Afternoon Shift). All PPE and RWP ID were checked and the inspection limits were reviewed. Briefer covered the type of protection in place, hotspots in the area, well as the nearest hospital and safety rule of the day. FWSO personnel. No exceptions were taken.								Number of Defects		0	
									Recommended Finding?		No	
									Remedial Action Required?		No	
									Recommended Reinspection?		No	
Remedial Action	N/A											

Inspection Activity #	2	Inspection Subject					G-04 Morgan Blvd. Interlocking Inspection			Activity Code		ATC	WI	OBS
Job Briefing Employee Name/Title	ATC Supervisor Weekend Afternoon Shift				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1700-2200	Outside Shift	Yes		
Related Reports	N/A				Related CAPS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference				
	ATC 1000, 2000, 3000 Test and Inspection Manual		ATC 3003					Interlocking Inspection						
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X								X					
Line(s)	G	Track Number	1 and 2		Chain Marker and/or Station(s)	From			To					
			G1 545+00			G1 550+00								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											
Description	<p>FWSO inspectors observed an interlocking inspection at Morgan Boulevard station between chain markers 545+00 and 550+00 on both tracks of the G line. FWSO inspectors observed the following activities being performed:</p> <ul style="list-style-type: none"> FTA Inspector observed WMATA ATC personnel track set up and verification on track No. 1 G01 Chain marker 545+00 to 550+00. FTA Inspector also reviewed signal testing records in ATC control room. <p>All items observed were performed in accordance with WMATA's existing ATC standards. No exceptions were taken during the inspection.</p>								Number of Defects		0			
									Recommended Finding?		No			
									Remedial Action Required?		No			
									Recommended Reinspection?		No			
Remedial Action	N/A													



Inspection Form

FOIA Exemption: All (b)(6)
Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170423-WMATA-WP-1		
	2017	04	23				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line between Grosvenor-Strathmore (A11) and Twinbrook (A13)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-RWP-OBS	TRK-GEN-OBS				
Inspection Units	1	1				
Inspection Subunits	4	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Roadway Worker Protection – Job Safety Briefing				Activity Code		TRK	RWP	OBS
Job Briefing Employee Name/Title	TRST Unit # 94, RWIC TRST Unit # 607, Supervisor				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No		
Related Reports					Related CAPS / Findings									
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X		X					X	X					
Line(s)	A-Line		Track Number	track 1	Chain Marker and/or Station(s)		From		To					
							Grosvenor-Strathmore (A11)		Twinbrook (A13)					
Vehicles	Head Car Number		Number of Cars		Equipment									
Description										Number of Defects		0		

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=DOT Headquarters, ou=FTAHQ, cn=WINSLOW L. POWELL Date: 2017.04.27 07:02:38 -0400		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Winslow Powell & Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	Roadway worker in charge (RWIC) unit 94 pre-briefed FWSO team members at Twinbrook Station (A13). They contacted TRST unit 607 to enter this work location, where a formal briefing took place. The briefing was fully compliant with WMATA Roadway Worker's Protection Manual (RWPM) requirements. It included WMATA badge-level verification, type of protection, exclusive track occupancy, (ETO), potential hazards, hot spots and hospital location. No exceptions taken to the job safety briefing.	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Activity Summaries

Inspection Activity #	2	Inspection Subject	Track General Observation					Activity Code	TRK	GEN	INS
Job Briefing Employee Name/Title	TRST Unit # 94, RWIC TRST Unit # 607, Supervisor		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No	
Related Reports			Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000 rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	A-line	Track Number	track 1		Chain Marker and/or Station(s)	From		To			
						Grosvenor Strathmore (A11)		Twinbrook (A13)			
Vehicles	Head Car Number		Number of Cars		Equipment						
Description	FWSO team members performed an observation of WMATA single-tracking operation between Twinbrook and Grosvenor-Strathmore. At the time of the observation, WMATA maintenance personnel were installing new SW-31 fasteners on the right rail of track one. The work group consisted of nine roadway workers and one prime mover. All roadway workers were observed working safely and appeared to have all required personal protective equipment (PPE). All completed work appeared consistent with WMATA, TRST 1000-7.9 standards. No exception taken.						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	No			
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170425-WMATA-AG-1		
	2017	04	25				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	Maintenance
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Alexandria Yard						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-REC-INS					
Inspection Units	1					
Inspection Subunits	20					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Track Inspection Records Review			Activity Code		TRK	REC	INS
Job Briefing Employee Name/Title	None required					Accompanied Inspector?	No	Out Brief Conducted	No	Time	0930 1300	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference				
	TRST 1000													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
					X							X		
Line(s)	N/A		Track Number	N/A		Chain Marker and/or Station(s)		From		To				
								N/A						
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFTWorthTX, ou=DOT FRAFTWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 12:01:46 -05'00'		Date
Inspector in Charge - Name Adam Giovando		Inspection Team Adam Giovando & Alexander Nepa		

Form FTA-IR-1

Version date: 8/26/16



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	An FWSO inspection team performed a comprehensive review of track inspection records completed by WMATA contract inspectors. Records reviewed were complete and detailed. The two FWSO Inspectors met with MAXIMO data input superintendent. The superintendent reviewed and detailed the MAXIMO track inspection reporting program to the FWSO inspection team.	Number of Defects	0	
		Recommended Finding?	No	
		Remedial Action Required?	No	
		Recommended Reinspection?	No	
Remedial Action	N/A			



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170425-WMATA-TW-2		
	2017	04	25				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	Car Maintenance	Sub- Department	Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Alexandria Service and Inspection Facility (C99)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-OBS					
Inspection Units	1					
Inspection Subunits	N/A					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Rail Car Periodic Inspections at Alexandria Service and Inspection Facility			Activity Code		VM	SI	OBS
Job Briefing Employee Name/Title	N/A					Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0800-1100	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard		Other / Title		Checklist Reference				
	2K3K Periodic A Inspection Manual		N/A			N/A								
	2K3K Periodic B Inspection Manual													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
					X							X		
Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)	From			To						
					N/A			N/A						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	3182-3183, 3284-3285		4											
Description										Number of Defects		0		

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	Thomas Wozniak	Digitally signed by Thomas Wozniak DN: cn=Thomas Wozniak, o=FRA, ou=DOT, email=thomas.wozniak@dot.gov, c=US Date: 2017.04.30 06:57:35 -05'00'	Date
Inspector in Charge - Name Tom Wozniak	Inspection Team Tom Wozniak, Bill Hultsch		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

	FWSO Inspectors observed periodic inspection activities on rail vehicles 3182-3183 "B" Type Inspection and rail vehicles 3284-3285 "A2" Type Inspection. All personnel were wearing the required personal protective equipment and were performing their duties in accordance with the prescribed WMATA procedures. No defects observed with the periodic inspection process.	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170426-WMATA-TW-1		
	2017	04	26				
Rail Agency Name	Washington Metropolitan Area Transit Authority (WMATA)			Rail Agency Department	Car Maintenance (CMNT)	Sub- Department	Inspection
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Alexandria Service and Inspection Facility (C99)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Shop Observations – Alexandria Service and Inspection Facility (C99)			Activity Code		VM	SI	OBS
Job Briefing Employee Name/Title	N/A					Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0800-1100	Outside Shift	No	
Related Reports	FTA E17216					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	N/A		N/A		N/A									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
					X							X		
Line(s)	N/A		Track Number		N/A		Chain Marker and/or Station(s)		From		To			
									N/A		N/A			
Vehicles	Head Car Number		Number of Cars		Equipment		Car body/truck hoist wheel chocks							
	N/A		N/A											
Description	The FWSO performed an inspection of vehicle securement and hoisting at the Alexandria Rail Yard.								Number of Defects		0			
									Recommended Finding?		No			

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature	Thomas Wozniak		Digitally signed by Thomas Wozniak DN: cn=Thomas Wozniak, o=FRA, ou=DOT, email=thomas.wozniak@dot.gov, c=US Date: 2017.05.11 08:55:24 -05'00'	Date
Inspector in Charge – Name Tom Wozniak	Inspection Team Tom Wozniak, Bill Hultsch			



	<p>Notable safety observations:</p> <ul style="list-style-type: none">• WMATA could not provide standard operating procedures for securing and hoisting vehicles being serviced. FWSO examined WMATA's rulebook and did not identify any procedures governing this action.<ul style="list-style-type: none">◦ FWSO requested WMATA to provide any existing procedures in regards to securing and hoisting of vehicles concluding further search.• Car body truck hoist control panels were left powered on and unattended. FWSO noted potential risk.• Car mechanics raised a married pair of rail vehicles on car body truck hoist and placed chocks under wheels after the consist was raised. FWSO noted potential risk.• Car parts—such as brake pads and current collector shoes—were used to prevent stored wheel and axle sets from unintended movement. FWSO noted alternative bracing equipment. <p>FWSO will follow continue to conduct ongoing safety observations as a follow up to FWSO event number E17216.</p> <p>FWSO also observed a mitigation WMATA was implementing for a derailment on 4/17/17 at Alexandria (Event Number E17216). Metal wheel chocks were being replaced with bright orange plastic chocks.</p> <p>The FWSO Team interviewed the Alexandria Yard tower operator regarding assigning train operators to move rail vehicles into and out of the maintenance facility. They did not note any deficiencies.</p>	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170427-WMATA-AG-1		
	2017	04	27				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CM
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Dunn Loring (K07) TPSS (Traction Power Substation)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-RM-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	No					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Normalizing Newly-Installed DC Switchgear			Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Supervisor					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	Outside Shift	Yes	
Related Reports						Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	K-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Dunn Loring (K07) TPSS		Dunn Loring (K07) TPSS					
Vehicles	Head Car Number		Number of Cars		Equipment		DC SWGR (Switchgear) – Myers Controlled Power (Manufacturer)							
	N/A		N/A											
Description	The job safety briefing was comprehensive. No exceptions were taken.							Number of Defects		0				
								Recommended Finding?		No				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature		ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFTWorthTX, ou=DOT FRAFTWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 12:02:31 -05'00'		Date	
Inspector in Charge – Name Adam Giovando		Inspection Team Tino Sahoo					



	<p>FWSO inspectors observed WMATA's power department and electrical contractors performing normalization (bringing online) of newly-installed DC SWGR. The DC switchgear consisted of a lineup of three cathode breakers, four DC feeder breakers, and the associated relays for each breaker. Testing of the breakers, emergency trip switch (ETS) relay cabinet, and a human machine interface (HMI) supervisory control and data acquisition (SCADA) panel was done to ensure proper operability of each these respective device(s).</p> <p>The FWSO Inspection and WMATA personnel did not note any defects.</p>	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170428-WMATA-AG-1		
	2017	04	28				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	CBL. IN.
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Vienna (K08) to Dunn Loring (K07), track 2						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-WI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	2					
Recommended Finding	Yes					
Remedial Action Required ¹	Yes					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject			Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC WMATA Watchman/Lookout WMATA Documenter			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports				Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref			Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)											
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016)											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X				

¹ The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge - Signature ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAftWorthTX, ou=DOT FRAftWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.05.03 12:04:00 -05'00'	Date
Inspector in Charge - Name Adam Giovando	Inspection Team Tino Sahoo		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Line(s)	K-Line	Track Number	track 2	Chain Marker and/or Station(s)	From	To
					Vienna (K08)	Dunn Loring (K07)
Vehicles	Head Car Number	Number of Cars		Equipment	N/A	
	N/A	N/A				
Description	<p>The job safety briefing was comprehensive. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion. No exceptions were taken to the job safety briefing.</p> <p>Daily cable inspections are part of the holistic approach WMATA has instituted to prevent cable fires and arcing incidents. The pictures taken and issues noted were entered into a database for nighttime cable repair crews to fix.</p> <p>The following new defects were observed and were not in compliance with WMATA TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) detail "Cable Connector Assembly". There were no color-coded conditions noted:</p> <ul style="list-style-type: none"> TRK 2 CM 772+00 – Broken orange boot. (See Figure 1.) TRK 2 CM 708+00 – Captive screws were loose on the orange boot assembly. (See Figure 2.) <p>Other Notable Observations:</p> <ul style="list-style-type: none"> TRK 2 CM 777+00 – Cables lying on the ballast TRK 2 CM 776+00 – Cables lying on the ballast TRK 2 CM 773+00 – Cables lying on the ballast TRK 2 CM 772+00 – Cables lying on the ballast; 3rd rail cover board needs re-fastening TRK 2 CM 762+00 – Cables lying on the ballast TRK 2 CM 752+00 – Cables lying on the ballast TRK 2 CM 730+00 – Cables lying on the ballast TRK 2 CM 720+00 – Cables lying on the ballast TRK 2 CM 698+00 – Cables lying on the ballast TRK 2 CM 688+00 – Cables lying on the ballast TRK 2 CM 678+00 – Cables lying on the ballast TRK 2 CM 667+00 – Cables lying on the ballast; 3rd rail cover board missing TRK 2 CM 657+00 – Cables lying on the ballast <p>FWSO will follow up to confirm the conclusion of the work once the cable issues have been corrected.</p>				Number of Defects	2
					Recommended Finding?	Yes
					Remedial Action Required?	Yes
					Recommended Reinspection?	Yes
					Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must replace the orange boot (TRK 2 CM 772+00). WMATA must tighten captive screws on the orange boot (TRK 2 CM 708+00).



FIGURE 1 - TRK 2 CM 772+00 – BROKEN ORANGE BOOT



FIGURE 2 - TRK 2 CM 708+00 – CAPTIVE SCREWS LOOSE ON ORANGE BOOT