



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	20170803-WMATA-AG-1		
	2017	08	03				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	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 (D03) Alternating Current (AC) Switchboard Room #2						

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					L'Enfant Plaza (D03) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	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)	D-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 WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the								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: 2017.08.09 14:54:19 -05'00'	Date	
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo		



	nearest hospital and safety rule of the day. The potential safety hazards were discussed. The FWSO Inspector did not note any defects.		
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Inspection Activity #	2	Inspection Subject	L'Enfant Plaza (D03) – 13.8 kV AC Switchgear Corrective Maintenance (CM)				Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	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										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								
Line(s)	D-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							AC Switchboard Room #2		AC Switchboard Room #2		
Vehicles	Head Car Number		Number of Cars		Equipment		13.8 kV AC Switchgear				
	N/A		N/A								
Description	An FWSO Inspector observed WMATA's power personnel performing corrective maintenance on the alternating current (AC) switchgear located in AC switchboard room #2. The bus tie breaker was not closing properly when racked into its cubicle. The breaker was able to be racked in and closed properly by the adjusting the mechanical latch.							Number of Defects		0	
	The FWSO Inspector and WMATA personnel did not note any defects during the replacement process. Other Notable Observations: <ul style="list-style-type: none"> Water was present in the cable trough under the Uninterruptible Power Supply (UPS). 							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	20170803-WMATA-AG-2		
	2017	08	03				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	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]
Inspection Location	Arlington Cemetery (C06) to Pentagon City (C08) - Track 1						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	1	13				
Recommended Finding	Yes	Yes				
Remedial Action Required ¹	Yes	Yes				
Recommended Reinspection	Yes	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Arlington Cemetery (C06) - Job Safety Briefing (Mobile Work Crew)			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA RWIC					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	20161109-WMATA-AD-2					Related CAPS / Findings		Remedial Action: 1023						
Related Rules, SOPs, Standards, or Other	Ref					Rule or SOP	Standard		Other / Title		Checklist Reference			
	RWPM					R-17-02								
	MSRPH					R-17-03								
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 1	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											

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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: 2017.08.09 14:55:17 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Tino Sahoo, Lee Emard



Description	<p>FWSO personnel received a job safety briefing from the WMATA roadway worker in charge (RWIC). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion.</p> <p>In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle.</p> <p>The AMF did notify the RWIC via positive communication (phone) that he was in place (next station ahead in the direction the mobile crew walked). The flashing amber lantern /E-flare and orange flag had been positioned at the end of the platform (8 car marker or end gate). No exceptions were taken.</p> <p>The following non-color-coded defects were observed:</p> <p>The WMATA RWIC was not in compliance with R-17-02 as two "hotspots" were listed in the 2017 Roadway Worker's Protection Manual (RWPM) for the portion of mainline track being walked. The WMATA RWIC stated no hotspots were present in the inspection area when the FWSO inspector asked during job safety briefing.</p> <p>Foul time was not requested for the two "hotspots" listed below while traversing the track:</p> <ul style="list-style-type: none"> ▪ Portal – C1 218+00 to C1 225+00 (from C06 to C07). ▪ No Clearance Zone – C1 242+00 to C1 251+00 (from C06 to C07). <p>Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1023.</p>	Number of Defects	1
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject					Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	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		
	TRST 1000													
	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	X				
Line(s)	C-Line	Track Number		track 1	Chain Marker and/or Station(s)		From			To				
							Arlington Cemetery (C06)			Pentagon City (C08)				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A							
	N/A		N/A											



<p>Description</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 night time cable repair crews to fix.</p> <p>The following new track defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 10.17.41: Six pieces of relay rail between catwalk and field side of rail allowing a trip/fall hazard at C1 251+00 to C1 255+00. • TRST 1000 Manual, 13.5.7: 3rd rail cover board missing at C1 277+00. • TRST 1000 Manual, 3.2.2.4: Water leaking from tunnel ceiling onto 3rd rail at C1 277+00. • TRST 1000 Manual, 7.7.1: Three bad fasteners in a row. Five out of six fasteners were bad within 120 inches at C1 278+00. • TRST 1000 Manual, 7.9.2.5: One anchor stud bolt exceeded the allowable three inches at C1 279+00. • TRST 1000 Manual, 7.9.2.5: One anchor stud bolt exceeded the allowable three inches at C1 280+00. • TRST 1000 Manual, 13.5.7: 3rd rail cover board missing at C1 290+00. <p>The following new traction power and cable defects were observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none"> • EMI for jumper, expansion, and transition power cable replacement systemwide: C1 265+00 – Temporary rope on cable to lift it off the ground needs removal and kindorf should be used. (See Figure 1.) • DD-TP-SSI-013: C1 267+00 – Feeder cable (pigtail) has temporary repair. (See Figure 2.) • DD-TP-SSI-013: C1 276+00 – Four conduit stub-ups missing OZ Gedney bushings and heat shrink. (See Figure 3.) • DD-TP-SSI-013: C1 276+00 – One conduit stub-up missing heat shrink. • DD-TP-SSI-013: C1 277+00 – One broken orange boot power connection assembly². (See Figure 4.) • DD-TP-SSI-013: C1 290+00 – Unused conduit not capped to prevent water infiltration. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • C1 196+00 – Expansion cables lying on the ground. • C1 206+00 – Expansion cables lying on the ground. • C1 227+00 – 3rd rail post insulator grout pad chipped and cracked. • C1 240+00 – Jumper cables lying on the ground and on the gauge side of the 3rd rail. Trash and debris surrounding cables. • C1 265+00 – Feeder cables lying on the ground. • C1 266+00 – Trash and debris surrounding feeder cables. • C1 267+00 – Trash and debris surrounding transition cables. • C1 276+00 – Feeder cables lying on the ground. • C1 277+00 – Feeder cables lying on the ground. Trash and debris surrounding cables. • C1 290+00 – Trash and debris surrounding feeder cables. 	<p>Number of Defects</p>	13
		<p>Recommended Finding?</p>	Yes
		<p>Remedial Action Required?</p>	Yes
		<p>Recommended Reinspection?</p>	Yes
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must remove relay rail pieces at C1 251+00 to C1 255+00. • WMATA must replace cover board at C1 277+00. • WMATA must mitigate water intrusion from tunnel ceiling at C1 277+00. • WMATA must replace bad fasteners at C1 278+00. • WMATA must cut anchor stud bolt to allowable length at C1 279+00. • WMATA must cut anchor stud bolt to allowable length at C1 280+00. • WMATA must replace cover board at C1 290+00. • WMATA must install cable per EMI at C1 265+00. • WMATA must replace cable at C1 267+00. • WMATA must install OZ Gedney bushings and heat shrink on conduit stub-ups at C1 276+00. • WMATA must install heat shrink on conduit stub-up at C1 276+00. • WMATA must replace broken orange boot power connection assembly at C1 277+00. • WMATA must cap unused conduit to prevent water infiltration at C1 290+00. 		



FIGURE 1 - C1 265+00 – TEMPORARY ROPE ON CABLE TO LIFT IT OFF THE GROUND NEEDS REMOVAL AND KINDORF SHOULD BE USED.



FIGURE 2 - C1 267+00 – FEEDER CABLE (PIGTAIL) HAS TEMPORARY REPAIR.



FIGURE 3 - C1 276+00 – FOUR CONDUIT STUB-UPS MISSING OZ GEDNEY BUSHINGS AND HEAT SHRINK



FIGURE 4 - C1 277+00 – ONE BROKEN ORANGE BOOT POWER CONNECTION ASSEMBLY



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Inspection Date	YYYY	MM	DD	Report Number	20170804-WMATA-AG-1		
	2017	08	04				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line, track 1, Rosslyn (C05) to C1 213+00						

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	2				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	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			
	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-Line	Track Number	track 1	Chain Marker and/or Station(s)		From		To			
						Rosslyn (C05)		C1 213+00			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at Rosslyn (C05) prior to entering the roadway. The briefing covered the type of on track protection (i.e., Train Approach Warning (TAW)), the working limits, where to clear, known hazards and hotspots, the safety rule of the							Number of Defects	0		
								Recommended Finding?	No		
								Remedial Action Required?	No		
								Recommended Reinspection?	No		

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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: 2017.08.09 15:07:52 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard, Mike Vitale	



	day, location of nearest hospital, a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.										
Remedial Action	N/A										
Inspection Activity #	2	Inspection Subject	Remedial Action Verification		Activity Code	TRK	WI	PI			
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	Outside Shift	No	
Related Reports	20170309-WMATA-WP-2		Related CAPS / Findings	Remedial Actions: 1209, 1210							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
	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-Line	Track Number	track 1	Chain Marker and/or Station(s)		From		To			
						Rosslyn (C05)		C1 213+00			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO Inspectors performed a track inspection on track 1 of the C-Line between Rosslyn (C05) and C1 213+00 to inspect track conditions and follow up on previously-issued remedial actions.						Number of Defects		2		
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.5.2: Broken third rail anchor at C1 158+65. • TRST 1000 Manual, 13.5.2: Broken third rail anchor at C1 166+65. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • Interlocking at C1 186+80 is not listed in the 2017 Roadway Access Guide. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Remedial Action #1209: Emergency Trip Station (ETS) box C-51 has been repaired at C1 174+50. • Remedial Action #1210: ETS box C-63 has been repaired at C1 213+00. 						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 third rail anchor at C1 158+65. • WMATA must repair third rail anchor at C1 166+65. 										



Inspection Form

FOIA Exemption: All (b)(6)

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Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170805-WMATA-AG-1		
	2017	08	05				
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]
Inspection Location	F-Line, track 1 and 2, between Branch Ave (F11) and Naylor Road (F09)						

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	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 (RWP) – Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST Unit #6028 RWIC, TRST Unit #6290		Accompanied Inspector?	No	Out Brief Conducted	No	Time	0800 1230	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										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X					X			
Line(s)	F-Line	Track Number	Track 1 and 2	Chain Marker and/or Station(s)		From		To			
						Branch Ave. (F11)		Naylor Road (F09)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	The job safety briefing was provided by TRST unit #6028 at Branch Ave. briefing table (F11). The briefing was thorough and fully compliant with WMATA's						Number of Defects		0		
							Recommended Finding?		No		

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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: 2017.08.09 14:57:09 -05'00'	Date	
Inspector in Charge - Name	Adam A. Giovando		Inspection Team	Lee Emard	



	Roadway Worker Protection Manual (RWPM) requirements. It included WMATA level-1 ID check, type of protection, inaccessible track (IT), potential hazards, hot spots and hospital locations, red tag outage number, and safety rule of the day. No exceptions were taken with the job safety briefing.	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	RWP Setup Inspection					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST Unit #6028 RWIC, TRST Unit #6290		Accompanied Inspector?	No	Out Brief Conducted	No	Time	0800-1230	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										
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X			
Line(s)	F-Line	Track Number	Track 1 and 2	Chain Marker and/or Station(s)	From			To			
					Branch Ave. (F11)			Naylor Road (F09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>An FWSO Inspector performed a walking inspection with WMATA Safety Manager to inspect roadway worker protection (RWP) setup for compliance with the Track and Structures (TRST) mobile operations map for extended shutdown from August 5, 2017 through August 19, 2017 between chain markers 549+00 and 407+20. All safety equipment was in place and operational at both ends of the work area. Mobile Command Center (MCC) was set up in the Branch Ave. Yard (F99). The Red Tag Numbers were: 2017217505A and 2017217502A.</p> <p>The FWSO Inspector witnessed the physical barrier removed on track 1 at 0815 hours while waiting at the platform for an escort to arrive. (The removal of the physical barrier was done to allow work equipment into the work area.) At 0918 hours, when the FWSO Inspector completed the safety setup verification on tracks 1 and 2, the physical barrier had not yet been replaced, because additional work equipment had not come out of the yard. This situation left the work zone in a noncompliant state for over one hour. WMATA Safety Manager notified WMATA Supervisor #085 (who was working for a crew at the other end of Branch Ave. Station on the same track) stating he needed to assign a lookout for his crew, and to protect the work area. Supervisor #085 reinstalled the physical barrier and assured SAFE he would have the barrier reinstalled after all the equipment passed. The FWSO verified the barrier was reinstalled at 0934 hours.</p> <p>During the inspection, the FWSO Inspector overheard on the radio the equipment was coming into the work area at 1055 hours. The physical barrier was removed and reinstalled immediately after the equipment was moved in. This action was also verified by the FWSO Inspector at 1200 hours before clearing the track.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 10.14.1: On track 1, CM 413+20, the Emergency Trip Station (ETS) light was out at the ETS box <p>Other Notable Observations:</p> <p>The E-Flares indicating the shutdown limits were difficult to see the protection area during the day on the approach to the working limits between Suitland (F10) and Naylor Road (F09).</p>						Number of Defects		1		
							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 the ETS light at F1 413+20. 										



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	20170808-WMATA-AG-1		
	2017	08	08				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, track 2, Shady Grove (A15) to Rockville (A14)						

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	3				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	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			
	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)	A-Line	Track Number	track 2	Chain Marker and/or Station(s)		From		To			
						Shady Grove (A15)		Rockville (A14)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at Shady Grove (A15) prior to entering the roadway.							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	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: 2017.08.14 11:19:56 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bob Maniuszko, Mike Vitale	



	The briefing covered the type of on track protection (i.e., Train Approach Warning (TAW)), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, location of nearest hospital, a check of personal protective equipment (PPE), and roadway worker protection (RWP) ID.										
Remedial Action	N/A										
Inspection Activity #	2	Inspection Subject	Remedial Action Track Inspection Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6225			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	Outside Shift	No
Related Reports	Safety Directive 15-1 20161129-WMATA-CF-1 20170202-WMATA-WP-1 20170621-WMATA-AG-1			Related CAPS / Findings		CAPs: R-2-18-A, R-2-19-A Remedial Actions: 1020, 1161, 1378, 1379					
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)	A-Line	Track Number	track 2		Chain Marker and/or Station(s)		From		To		
							Shady Grove (A15)		Rockville (A14)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	FWSO Inspectors performed a track inspection on track 2 of the A-Line between Shady Grove (A15) and Rockville (A14) to inspect track conditions and follow-up on previously issued remedial actions.							Number of Defects		3	
								Recommended Finding?		Yes	
								Remedial Action Required?		Yes	
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.3.11: Defective insulator at A2 878+50. • TRST 1000 Manual, 13.3.11: Missing insulator at A2 878+20. • Permanent Order T-16-07: At 1234 hours, while at A2 818+00, a train did not appear to maintain 10 mph while passing the work group. <p>(Remedial Action for this defect is addressed in WMATA's approach to R-2-18-A and R-2-19-A.)</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • C-bond is detached from rail joint at A2 936+50. • Multiple 3rd rail contact shoes were lying in the ballast near the 3rd rail expansion joint at A2 848+00. • High rail between A2 832+00 and 828+00 showed head wear. FWSO Inspectors did not have a rail wear gauge to measure for compliance. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Remedial Action #1020: WMATA had replaced rail with detail fracture at A2 916+98. • Remedial Action #1161: WMATA had replaced broken insulator at A2 858+00. • Remedial Action #1378: WMATA had tightened loose heel block bolts at the 3-B switch at A2 939+10. • Remedial Action #1379: WMATA had tightened loose guard rail bolts at the 3-B switch at A2 939+10. 							Recommended Reinspection?		Yes	
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must replace defective insulator at A2 878+50. • WMATA must replace missing insulator at A2 878+20. 										



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	201700808-WMATA-AG-2		
	2017	08	08				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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, tracks 1 and 2, Platform Inspection between Greenbelt (E10) and U Street (E03)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-WI-PI					
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	Platform Inspection				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	1000 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			
	MSRPH	R-17-03									
	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)	E-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)	From			To			
					Greenbelt (E10)			U Street (E03)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO team member performed a platform observation of the track bed, cover boards, Emergency Trip Station (ETS) lights, Train Approach Warning (TAW) lights, drainage, and general conditions.						Number of Defects		2		
							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	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: 2017.08.14 11:25:24 -05'00'	Date	
Inspector in Charge - Name	Adam A. Giovando		Inspection Team	Lee Emard	



	<p>The FWSO Inspector also observed an Advanced Mobile Flagger (AMF) #6209 at West Hyattsville(E07) and Fort Totten (E06).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 3.2.2.1: On track 1, at College Park Station (E09), muddy conditions prevented standing water from draining as designed. Debris was also observed blocking the drain entrance. • TRST 1000 Manual, 3.2.2.1: On track 1, at U Street Station (E03), muddy conditions prevented standing water from draining as designed. Debris was also observed blocking the drain entrance. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • Track 1, at Greenbelt Station (E10), 55 of the approach warning lights on the platform were not working. • Track 2, at Greenbelt Station (E10), 56 of the approach warning lights on the platform were not working. • Track 1, at College Park Station (E09), six of the approach warning lights on the platform were not working. • Track 2, at College Park Station (E09), five of the approach warning lights on the platform were not working. • Track 1, at Prince George Plaza Station (E08), 144 of the approach warning lights on the platform were not working. • Track 2, at Prince George Plaza Station (E08), 86 of the approach warning lights on the platform were not working. • Track 1, at West Hyattsville Station (E07), 18 of the approach warning lights on the platform were not working. • Track 1, in West Hyattsville Station (E07), the FWSO Inspector observing AMF #6209 at 1200 hours noted compliance with requirements of Permanent Order R-17-03. The AMF had all required personal protective equipment (PPE). This included the flashing amber lantern, orange flag, calibrated working radio, air horn, and a whistle. The FWSO Inspector verified the AMF was level-4 qualified and had established communication with the roadway worker in charge (RWIC). The AMF communicated with each operator, as required by Permanent Order R-17-03. • Track 2, at West Hyattsville Station (E07), 24 of the approach warning lights on the platform were not working. • Track 1, at Fort Totten Station (E06), 10 of the approach warning lights on the platform are not working. • Track 1, in Fort Totten Station (E06), The FWSO Inspector observing AMF #6209 at 1240 hours noted compliance with requirements of Permanent Order R-17-03. The AMF had all required PPE. This included the flashing amber lantern, orange flag, calibrated working radio, air horn, and a whistle. The FWSO Inspector verified the AMF was level-4 qualified, and had established communication with the RWIC. The AMF communicated with each operator, as required by Permanent Order R-17-03. • Track 2, at Fort Totten Station (E06), 50 of the approach warning lights on the platform were not working. • Track 2, at Prince George's Plaza Station (E08), one of the approach warning lights on the platform was not working. 	<p>Recommended Reinspection?</p>	<p>Yes</p>
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must clear drains at the track 1 platform at the College Park Station (E09). • WMATA must clear drains at the track 1 platform at the U Street Station (E03). 		



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	20170809-WMATA-AG-1		
	2017	08	09				
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]
Inspection Location	West Falls Church Rail Service and Inspection Facility (K99)						

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 – West Falls Church Rail Service and Inspection Facility (K99)				Activity Code	VM	SI	OBS	
Job Briefing Employee Name/Title	N/A	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630-1000	Outside Shift	No		
Related Reports	N/A	Related CAPS / Findings	Remedial Action ID: N/A								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard	Other / Title		Checklist Reference					
	N/A	2000/3000 Series Periodic Inspection "A" Inspection Rev 0 06/30/17	N/A								
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					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		3148-3149 3026-3027								

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: 2017.08.14 11:46:40 -05'00'	Date
Inspector in Charge – Name Adam Giovando	Inspection Team Bill Hultsch			



Description	<p>An FWSO Inspector observed a periodic "A" inspection on rail vehicles #: 3148-3149 and 3026-3027.</p> <p>The FWSO Inspector observed no defects.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> Revised maintenance manual Rev 0, 06/30/17 had been issued and was being used. The FWSO Inspector sent a link to WMATA Office of Rail Car Maintenance (CMNT) General Superintendent on August 8, 2017 requesting copies of revised maintenance manuals for 7K and legacy series rail cars. Task 20, Section 20.10.3, "Gear Box Inspection": An FWSO inspector observed proper use of safety wire twisting pliers to replace gearbox oil drain plugs. Task 35, Propulsion, Section 35.6, "Converter Functional Module (CFM)": The FWSO Inspector reviewed the inspection and cleaning of heat sink fins with WMATA staff. Task 20, Trucks/Couplers, Section 20.5, "Friction Brake Equipment Warning": The FWSO Inspector observed proper placement of wheel chocks. Task 60, Section 60.2.2, "Parking Brake Lubrication": The FWSO Inspector observed parking brake chain lubrication. All appropriate Personal Protective Equipment (PPE) was worn. Visitor sign-in procedure at West Falls Church includes WMATA making a copy of current WMATA ID badge and attaching to Contractor Safety Briefing Checklist as well as requiring visitor to sign safety briefing. This ensures that visitor credentials are current and up to date before permission is given to conduct activities on WMATA property. 	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	20170809-WMATA-AG-2		
	2017	08	09				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub- Department	
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	A-Line, track 1, Cleveland Park (A05) to A1 223+00						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TP	JSB	OBS	
Job Briefing Employee Name/Title	TRPM 1017		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	Outside Shift	No	
Related Reports	20161109-WMATA-AD-2		Related CAPS / Findings	Remedial Action: 1023							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM	R-17-03									
	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)	A-Line	Track Number	track 1	Chain Marker and/or Station(s)	From		To				
					Cleveland Park (A05)		CM 223+00				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO Inspector received a job safety briefing from the roadway worker in charge (RWIC) at Cleveland Park prior to entering the roadway.						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	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: 2017.08.14 12:09:41 -0500'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



	<p>The crew had received their safety briefing at the yard. Traction Power Inspection and Maintenance (TRPM) 1017 informed the FWSO Inspector that he had covered all items and checked personal protective equipment (PPE), badges, and covered the type of on-track protection (i.e., Train Approach Warning (TAW)), the working limits, where to clear, known hazards and hotspots, safety rule of the day, location of nearest hospital, check of PPE and roadway worker protection (RWP) ID.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> Permanent Order R-17-03: The RWIC stated in the job safety briefing with the FWSO Inspector that the Advanced Mobile Flagger (AMF) had all equipment required by Permanent Order R-17-03. Later in the inspection, the FWSO Inspector learned that the AMF did not have a working radio. The inspection was stopped immediately. <p>The Remedial Action for this defect is addressed in WMATA's approach to remedial action 1023.</p>	Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Cable Third Rail Inspection				Activity Code	TP	WI	PI	
Job Briefing Employee Name/Title	TRST 1017		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	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)	A-Line	Track Number	track 1		Chain Marker and/or Station(s)	From		To			
						Cleveland Park (A05)		CM 223+00			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector performed a track inspection on track 1 of the A-Line between Cleveland Park (A05) and A1 223+00 to inspect track and third rail cable and components.					Number of Defects		2			
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 13.5.7: Missing third rail end approach cover and third rail cover board from A1 172+60 to 185+00. TRST 1000 Manual, 13.5.2: Missing third rail end approach cover at A1 205+80. 					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 third rail end approach cover board and standard cover boards between A1 172+60 and 185+00. WMATA must repair third rail cover board at end approach at A1 205+80. 										



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	20170809-WMATA-AG-3		
	2017	08	09				
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 Shutdown - (Suitland (F10)) – track 2						

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					Suitland (F10) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	Surge Shutdown Dedicated Safety Briefer					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100 to 0500	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						
Line(s)	F-Line	Track Number		N/A	Chain Marker and/or Station(s)		From		To					
							Suitland (F10)		Suitland (F10)					
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 shutdown briefing table. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed.							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	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: 2017.08.15 13:31:58 -05'00'	Date	
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo		



	The 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 bracelet—indicating their receipt of the briefing—and were granted access to the roadway. The FWSO Inspector noted no defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Surge Shutdown – Suitland (F10) Cable Replacement				Activity Code	TP	RM	OBS	
Job Briefing Employee Name/Title	Surge Shutdown Dedicated Safety Briefer	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100 to 0500	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 SYSTEM WIDE (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			
Line(s)	F-Line	Track Number	track 2	Chain Marker and/or Station(s)		From		To			
						F2 448+00 (transition cables)		F2 448+00 (transition cables)			
						F2 454+00 (feeder cables)		F2 454+00 (feeder cables)			
						F2 455+00 (feeder cables)		F2 455+00 (feeder cables)			
Vehicles	Head Car Number		Number of Cars		Equipment		Power Cables (1000 kcmil, 2 kV)				
	N/A		N/A								
Description	FWSO Inspectors observed WMATA's power department and electrical contractors performing the task of replacing four transition cables and 11 feeder cables (pigtails).						Number of Defects		0		
	In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-megged for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-megged for the pigtails to be installed.						Recommended Finding?		No		
	In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.						Remedial Action Required?		No		
	During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016. The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.						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	20170809-WMATA-AG-4		
	2017	08	09				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	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 Dorn (J02) to Franconia-Springfield (J03) - track 1						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	1	17				
Recommended Finding	Yes	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	Yes	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject			Van Dorn (J02) - Job Safety Briefing (Mobile Work Crew)			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	Safety Directive 15-1			Related CAPS / Findings		CAP R-2-18-A and R-2-19-A						
Related Rules, SOPs, Standards, or Other	Ref			Rule or SOP	Standard		Other / Title		Checklist Reference			
	RWPM			R-17-02								
	MSRPH			R-17-03								
				T-16-07								
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X		X		
Line(s)	J-Line	Track Number	track 1	Chain Marker and/or Station(s)	From			To				
					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: 2017.08.15 14:17:37 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Tino Sahoo, Al Nepa	



Vehicles	Head Car Number	Number of Cars	Equipment	N/A			
	N/A	N/A					
Description	<p>FWSO personnel received a job safety briefing from the WMATA roadway worker in charge (RWIC). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion.</p> <p>In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle.</p> <p>The AMF did notify the RWIC via positive communication (phone) that he was in place (next station ahead in the direction the mobile crew walked). The flashing amber lantern /E-flare and orange flag had been positioned at the end of the platform (8-car marker or end gate). No exceptions were taken.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> J1 761+00 – Operator of head-end unit number 3181 at 1133 hours exceeded the mandatory 10 mph speed requirement when passing the advance watchman. <p>The Remedial Action for this defect was addressed in WMATA's approach to Safety Directive 15-1 - CAP R-2-18-A and R-2-19-A.</p>			Number of Defects		1	
				Recommended Finding?		Yes	
				Remedial Action Required?		No	
				Recommended Reinspection?		Yes	
Remedial Action	N/A						

Inspection Activity #	2	Inspection Subject	Walking Observation (Remedial Action Verification Inspection)			Activity Code	TP	WI	OBS		
Job Briefing Employee Name/Title	WMATA RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	20160824-WMATA-RPM-1 20160910-WMATA-RPM-1 20161116-WMATA-AD-1 20170709-WMATA-AG-1		Related CAPS / Findings		Remedial Action : #264 Remedial Action: #938 Remedial Action: #951 Remedial Action: #1105 Remedial Action: #1424						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP	Standard		Other / Title		Checklist Reference			
	TRST 1000										
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)										
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (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		X	
Line(s)	J-Line	Track Number	track	Chain Marker		From		To			



			1	and/or Station(s)	Van Dorn (J02)	Franconia-Springfield (J03)
Vehicles	Head Car Number	Number of Cars		Equipment	N/A	
	N/A	N/A				
Description	<p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 698+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 701+50. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 702+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 703+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 704+50. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 714+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 722+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 731+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 732+30. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 762+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 794+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 814+00. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J1 826+10. (Green Condition) TRST 1000 Manual, 13.5.7: Third rail cover board missing at J2 848+00. (Green Condition) 				Number of Defects	17
					Recommended Finding?	Yes
					Remedial Action Required?	Yes
	<p>The Remedial Action for the above defects were addressed in WMATA's approach to Remedial Action ID #264.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 13.5.3: Broken third rail tie anchor arm at J1 700+00. TRST 1000 Manual, 13.5.3: Broken third rail tie anchor arm at J1 833+50. <p>The Remedial Action for these defects was addressed in WMATA's approach to Remedial Action ID #1105.</p> <p>The following new traction power and cable defect was observed, and there were no color-coded conditions noted:</p> <ul style="list-style-type: none"> Engineering Modification Instructions (EMI) for jumper, expansion, and transition power cable replacement system wide: J1 772+00 – Expansion cables on gauge side of third rail installed off the ground with metal Kindorf and temporary repair to one expansion cable. (See Figure 1). <p>Other Notable Observations:</p> <ul style="list-style-type: none"> No clearance zone (aerial bridge) not listed in Roadway Worker's Protection Manual (RWPM) at J1 705+00 to J1 708+00. Expansion cables lying on the ground at J1 and J2 705+00. Expansion cables lying on the ground at J1 714+00. Expansion cables lying on the ground at J1 722+00. Expansion cables lying on the ground at J1 and J2 762+00. Expansion cables lying on the ground at J1 772+00. Expansion cables lying on the ground at J1 and J2 794+00. Expansion cables lying on the ground at J2 804+00. 				Recommended Reinspection?	Yes



	<ul style="list-style-type: none">Expansion cables lying on the ground at J1 814+00.Expansion cables lying on the ground at J1 838+00.Expansion cables lying on the ground at J1 and J2 848+00.Expansion cables lying on the ground at J1 and J2 858+00. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none">Remedial Action #938: WMATA should install “No Clearance” signage on the bridge support wall between J1 CM763+00 and J1 CM767+00.Remedial Action #951: WMATA should repair or secure the trackside heater control box labeled: “HC-J03-52-3” that is smashed. The internal electrical components are exposed. Liquidite leading from the box into the conduit indicates 480 V.Remedial Action #1424: WMATA must replace cover on end approach of track 1, CM870+00, switch 1A.		
Remedial Action	To achieve compliance with WMATA’s requirements: <ul style="list-style-type: none">WMATA must install expansion cables per engineering EMI at J1 772+00.		



FIGURE 1 - J1 772+00 – EXPANSION CABLES ON GAUGE SIDE OF THIRD RAIL INSTALLED OFF THE GROUND WITH METAL KINDORF AND TEMPORARY REPAIR TO ONE EXPANSION CABLE.



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	20170809-WMATA-WP-1		
	2017	08	09				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	
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	F-Line, track 2, Branch Ave. (F11) to Suitland (F10)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-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	TRK	JSB	OBS	
Job Briefing Employee Name/Title	Branch Ave. Briefing Table		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	900-1100	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			
	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)	F-Line	Track Number	track 2	Chain Marker and/or Station(s)	From			To			
					Branch Ave. (F11)			Suitland (F10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at Branch Ave. (F11) prior to entering the roadway. The briefing covered the type of on-track protection (i.e., inaccessible track), working limits,						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		Date
Inspector in Charge - Name Winslow Powell	Inspection Team Peter Polocki, Jamie Pfister, Winslow Powell, Adam Giovando, Mike Vitale		

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2017.08.24 09:04:55 -04'00'



	where to clear, known hazards and hotspots, the safety rule of the day, location of nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Work Zone Observation				Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	Branch Ave. Briefing Table			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	900-1100	Outside Shift	No
Related Reports	20160411-WMATA-MWP-1 20160410-WMATA-TGB-1			Related CAPS / Findings		Remedial Actions: 416, 417, 476, 478					
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)	F-Line	Track Number	track 2	Chain Marker and/or Station(s)	From			To			
					Branch Ave. (F11)			Suitland (F10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO Inspectors performed a work zone observation on track 2 of the F-Line—between Branch Ave. (F11) and Suitland (F10)—to observe work being performed and follow up on previously-issued remedial actions. FWSO Inspectors observed interlocking replacement and tie renewal on both tracks. All work was compliant with WMATA procedures. In addition, FWSO Inspectors did not observe any WMATA personnel out of compliance with WMATA personal protective equipment (PPE) requirements.</p> <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Remedial Action #416: WMATA has repaired exposed trackside heater wire at F2 512+00. • Remedial Action #417: WMATA has repaired light on emergency trip station (ETS) box at F2 512+00. • Remedial Action #476: WMATA has repaired light on the ETS box at F2 504+20. • Remedial Action #478: WMATA has repaired light on the ETS box at F2 496+00. 							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	20170810-WMATA-AG-1		
	2017	08	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	K-Line, track 1, West Falls Church (K06) to Dunn Loring (K07)						

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	TRST 642		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	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		
	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)	K-Line	Track Number	track 1	Chain Marker and/or Station(s)			From	To			
							West Falls Church (K06)	Dunn Loring (K07)			
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	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: 2017.08.14 12:11:33 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa, Lee Emard	



	TRST unit 642 conducted a job safety briefing at West Falls Church Station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protection equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.							Recommended Finding?	No		
								Remedial Action Required?	No		
								Recommended Reinspection?	No		
Remedial Action	N/A										
Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 642		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	20160812-WMATA-RPM-1 20160814-WMATA-RPM-1 20161222-WMATA-WP-1 20170128-WMATA-AD-1 20170518-WMATA-WP-1		Related CAPS / Findings		Remedial Actions: 917, 918, 921, 924, 1039, 1122, 1330, 1335, 1336, 1339						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRST-1000 rev. 6								ID Numbers		
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Vehicles	K-Line		Track Number	track 1		Chain Marker and/or Station(s)		From		To	
	Head Car Number		Number of Cars		Equipment		West Falls Church (K06)		Dunn Loring (K07)		N/A
Description	FWSO inspectors performed a track inspection on track 1 of the K-Line between West Falls Church (K06) and Dunn Loring (K07) to inspect track conditions and follow up on previously-issued remedial actions. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action #917: At K2 630+00, the emergency trip station (ETS) box door has been replaced. Remedial Action #924: At K1 595+45, 616+40, and 630+00, all ETS boxes are repaired. Remedial Action #1335: At K1 599+00, the power cable has been replaced. Remedial Action #921: At K1 616+40, the ETS box has been repaired. Remedial Action #1339: At K1 623+00 and K2 623+00, the ETS boxes have been repaired. Remedial Action #918: At K1 630+00, the ETS box has been repaired. Remedial Action #1122: Between K1 632+00 and 632+660, the third rail covers have been replaced and the collector shoes have been picked up. Remedial Action #1336: At K1 610+00, the pigtail on the cable has been repaired. Remedial Action #1039: At K1 451+50, the ETS box has been repaired. Remedial Action #1330: At K1 526+00, the heat shrink on the conduit has been replaced. 							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	20170810-WMATA-AG-3		
	2017	8	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	POWR	Sub- Department	PM
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	Brookland-CUA (B05) Traction Power Substation (TPSS)						

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	Brookland-CUA (B05) – Safety Briefing				Activity Code	TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA Power Personnel			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			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								
Line(s)	B-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								

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: 2017.08.15 14:25:39 -05'00'	Date
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo



Description	FWSO personnel received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed. The FWSO Inspector did not note any defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject					Brookland-CUA (B05) – Direct Current (DC) Switchgear Feeder Breaker Preventive Maintenance (PM)	Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel		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			
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) FOR WHIPP AND BOURNE 750 V DC MM74 BREAKER ANNUAL INSPECTION (REVISION 3, 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)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To				
					Traction Power Substation (TPSS)			TPSS				
Vehicles	Head Car Number		Number of Cars		Equipment	750 V DC (Whipp and Bourne – Manufacturer) DC Feeder Breakers						
	N/A		N/A									
Description	An FWSO Inspector observed WMATA's power personnel performing preventive maintenance on a lineup of five direct current (DC) feeder breakers in the 750 V DC (Whipp and Bourne) switchgear located in the traction power substation. Maintenance was performed in accordance with the published Preventive Maintenance Instructions (PMI) (i.e., PMI FOR WHIPP AND BOURNE 750 V DC MM74 BREAKER ANNUAL INSPECTION, REVISION 3, JUNE 20, 2013) and no issues were observed. 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	20170811-WMATA-AG-1		
	2017	08	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
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	K-Line, track 1, Dunn Loring (K07) to Vienna (K08)						

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	2				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6435		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	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			
	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)	K-Line	Track Number	track 1	Chain Marker and/or Station(s)		From		To			
						Dunn Loring (K07)		Vienna (K08)			
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: 2017.08.16 13:32:16 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Alexander Nepa, Lee Emard



Description	TRST unit 6435 conducted a job safety briefing at Dunn Loring Station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6435			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No
Related Reports	20161109-WMATA-AD-1			Related CAPS / Findings	Remedial Actions: 1004						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	TRST-1000 rev. 6								ID Numbers		
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Vehicles	K-Line	Track Number	track 1	Chain Marker and/or Station(s)			From		To		
							Dunn Loring (K07)		Vienna (K08)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	FWSO Inspectors performed a track inspection on track 1 of the K-Line between Dunn Loring (K07) and Vienna (K08) to inspect track conditions and follow up on previously-issued remedial actions.						Number of Defects	2			
	The following color-coded defect was observed:						Recommended Finding?	Yes			
	<ul style="list-style-type: none"> TRST 1000 Manual, 13.5.7: At the K08-3A switch, CM 773+00, track 1, the end approach cover board was missing. (Green Defect) 						Remedial Action Required?	Yes			
	<p>The Remedial Action for this defect was addressed in WMATA's approach to Remedial Action ID #264.</p> <p>The following new non-color coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 10.18: At CM754+00 the cable trough mounted on the wall has a dislodged cover that needs to be re-secured. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action #1004: WMATA must fix the two areas of concern noted below. <ol style="list-style-type: none"> Chain marker K1 673+80: the cross bond between track 1 and 2 is not connected on the track 1 side has been repaired. Chain Marker K1 CM744+00: the joint bar on the right running rail has a loose bolt has been repaired. 						Recommended Reinspection?	Yes			
Remedial Action	To achieve compliance with WMATA'S requirements: <ul style="list-style-type: none"> WMATA must re-secure the dislodged cover on the cable trough. 										



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	20170812-WMATA-AG-1		
	2017	08	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	K-Line, track 2, Vienna (K08) to Dunn Loring (K07)						

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	1				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	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			
	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)	K-Line	Track Number	track 2	Chain Marker and/or Station(s)		From		To			
						Dunn Loring (K07)		Dunn Loring (K07)			
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: 2017.08.15 15:58:24 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Alexander Nepa



Description	TRST unit 6168 conducted a job safety briefing at Dunn Loring Station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	Outside Shift	Yes	
Related Reports	20160930-WMATA-CDF-1 20160411-WMATA-NAV-1 20170428-WMATA-AG-1		Related CAPS / Findings		Remedial Actions: 973, 218, 1297, 1298						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard		Other / Title		Checklist Reference				
	TRST-1000 rev. 6						ID Numbers				
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Vehicles	K-Line	Track Number	track 2	Chain Marker and/or Station(s)		From		To			
						Dunn Loring (K07)		Vienna (K08)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								

Description	<p>FWSO Inspectors performed a track inspection on track 2 of the K-Line between Dunn Loring (K07) and Vienna (K08) to inspect track conditions and follow up on previously-issued remedial actions.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, Table 13-6, Contact Rail Defects, Cover Boards: Contact rail cover board was loose and unsecured at K2 CM678+00 (Green Defect). <p>The Remedial Action for this defect was addressed in WMATA's approach to Remedial Action ID #264.</p> <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action #973: WMATA should address the defects identified below prior to the conclusion of Surge #9 which is scheduled on October 26, 2016: <ol style="list-style-type: none"> Chain marker K2 653+40 to K2 653+80: The third rail insulator loose (5 insulators) (13.3.8) have been repaired. Chain marker K2 672+10: Five crossties missing Pandrol e-Clips (14.4.3.1) have been repaired. Chain marker K2 673+30: Three crossties missing Pandrol e-Clips (14.4.3.1) have been repaired. Chain marker K2 673+90: Three crossties missing Pandrol e-Clips (14.4.3.1) have been repaired. Chain marker K2 685+00: The third rail insulator was loose and missing bolts (13.3.8). This has been repaired. Chain marker K2 685+00 to 690+00: Shy ballast on the high rail on the field side (14.4.6.2) has been repaired. Chain marker K2 758+80 to K2 762+00: Four storm drains damaged. The defects created an unsafe walking condition. This has been repaired. Chain marker K2 771+25: The unsecured access gate EEE K-2-771 (the chain was too short) (10.10.2), has been repaired. 	Number of Defects	1
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• Remedial Action #218: WMATA replaced three third rail insulators in a row which were cracked at the base at K2 CM664+80.• Remedial Action #1298: WMATA tightened captive screws on the orange boot at K2 CM708+00.• Remedial Action #1297: WMATA replaced the orange boot at K2 CM772+00.		
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	20170813-WMATA-AG-1		
	2017	08	13				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	F-Line, tracks 1 and 2, between Branch Avenue (F11) and Suitland (F10)						

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	TRST 6410		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 1500	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			
	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)	F-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Branch Avenue (F11)		Branch Avenue (F11)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	TRST unit 6410 conducted a job safety briefing at the Branch Avenue briefing table.						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	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: 2017.08.15 16:05:54 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Alexander Nepa



	<p>The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID verification, personal protective equipment (PPE) verification, type of on-track protection, hazards, and hospital location.</p> <p>The FWSO Inspector took no exceptions to the job safety briefing.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> While exiting the shutdown area at Suitland Station, it was observed that the job safety briefer located at Suitland was issuing the wrong color tags. SAFE officer 207 brought this to the briefer's attention and reported the incident. 	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	SAFE 207		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 1500	Outside Shift	Yes	
Related Reports	201170622-WMATA-AG-1		Related CAPS / Findings		Remedial Actions: 1381 and 1382						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000 rev. 6							ID Numbers			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Vehicles	F-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Branch Avenue (F11)		Suitland (F10)			
Description	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO Inspectors performed an inspection on tracks 1 and 2 located on the F-Line between Branch Avenue (F11) and Suitland ((F10) to review track conditions and follow up on previously-issued remedial actions.</p> <p>The FWSO Inspector did not note any defects.</p> <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action #1381: At CM 448+38, track 1, the Emergency Trip Station (ETS) light has been repaired. Remedial Action #1382, At CM 488+36, track 2, the light and the latch on the ETS box have been repaired. 						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	20170815-WMATA-AG-1		
	2017	08	15				
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 Shutdown - (Branch Avenue (F11)) – track 1 and Traction Power Substation (TPSS)						

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			Branch Avenue (F11) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	Surge Shutdown Dedicated Safety Briefer			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100 to 0500	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				
Line(s)	F-Line	Track Number		N/A	Chain Marker and/or Station(s)		From		To			
							Branch Avenue (F11)		Branch Avenue (F11)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	The FWSO inspector received a job safety briefing at the surge shutdown briefing table. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed.							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	ADAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFWorthTX, ou=DOT FRAfWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.08.18 06:11:23 -05'00'	Date
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo



	The 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 bracelet—indicating their receipt of the briefing—and were granted access to the roadway. The FWSO Inspector noted no defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Surge Shutdown – Branch Avenue (F11) Cable Replacement				Activity Code	TP	RM	OBS	
Job Briefing Employee Name/Title	Surge Shutdown Dedicated Safety Briefer	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100 to 0500	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 SYSTEM WIDE (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			
Line(s)	F-Line	Track Number	track 1	Chain Marker and/or Station(s)		From		To			
						F2 538+50 (pigtailed) F2 539+00 (pigtailed) F2 539+00 (negative return)		F2 538+50 (pigtailed) F2 539+00 (pigtailed) F2 539+00 (negative return)			
Vehicles	Head Car Number		Number of Cars		Equipment		Power Cables (1000 kcmil, 2 kV)				
	N/A		N/A								
Description	FWSO Inspector observed WMATA's power department and electrical contractors performing the task of installing nine feeder cable pigtailed, two transition cable pigtailed, and piecing out (splicing) eight negative return cables. The splicing provided the additional slack required to terminate the cables on the impedance bond.						Number of Defects		0		
	In WMATA's shop before the night of work, eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtailed to be installed. Eight 25-foot length portions of 1000 kcmil were cut and pre-meggered for the negative return cables to be pieced out.						Recommended Finding?		No		
	During the inspection, an FWSO Inspector observed the contractor installing feeder and transition cable pigtailed per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016. Additionally, the FWSO Inspector observed WMATA power personnel megger the eight negative return cables after they were pieced out.						Remedial Action Required?		No		
	The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.						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	20170816-WMATA-AG-1		
	2017	08	16				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	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	Pentagon (C07) to Arlington Cemetery (C06) - track 2						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				Pentagon (C07) - Job Safety Briefing (Mobile Work Crew)			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA RWIC				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	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				R-17-02								
	MSRPH				R-17-03								
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				
		N/A		N/A		N/A		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: 2017.08.18 06:12:17 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Tino Sahoo		



Description	<p>The FWSO inspector received a job safety briefing from the WMATA roadway worker in charge (RWIC). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion.</p> <p>In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18"), calibrated working radio, air horn, and whistle.</p> <p>The AMF did notify the RWIC via positive communication (phone) that he was in place (next station ahead in the direction the mobile crew walked). The flashing amber lantern /E-flare and orange flag had been positioned at the end of the platform (8-car marker or endgate).</p> <p>The FWSO Inspector noted no defects.</p> <p>Other Notable Observations:</p> <p>The FWSO Inspector observed the WMATA RWIC request foul time for three "hotspots" (i.e., interlocking, curve: restricted view, and portal) encountered during mobile work crew's cable inspection walk. One hundred percent repeat back did occur on radio communication between the RWIC and the Rail Operations Control Center (ROCC). The RWIC relinquished foul time once the mobile work crew completely walked through each "hotspot." No issues/concerns or exceptions taken to the RWIC performing his duties. The RWIC was in compliance with WMATA PERMANENT ORDER R-17-02 GRANTING FOUL TIME (FRIDAY APRIL 28, 2017).</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject			Walking Observation (Cable Inspection)			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	WMATA RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	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		
	TRST 1000											
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)											
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (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	X			
Line(s)	C-Line	Track Number		track 2	Chain Marker and/or Station(s)			From		To		
								Pentagon (C07)		Arlington Cemetery (C06)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A					
	N/A		N/A									



Description	<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 color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 236+00. (Green Condition) • TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 228+50. (Green Condition) • TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 225+00. (Green Condition) <p>Remedial actions for these defects were addressed in WMATA's approach to Remedial Action ID #264.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • C2 236+00 – Expansion cables lying on the ground. • C2 207+00 - Expansion cables lying on the ground. • C2 197+00 – Expansion cables lying on the ground and broken cable clamp and Kindorf strap. 	Number of Defects	3
		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 missing cover board at C2 236+00 • WMATA must replace the missing cover board at C2 228+50 • WMATA must replace the missing cover board at C2 225+00 		



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	20170818-WMATA-AG-1		
	2017	08	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	B-Line between Rhode Island Avenue (B04) and NoMa-Gallaudet Univ. (B35)						

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	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 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		
	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)	B-Line	Track Number	track 1	Chain Marker and/or Station(s)			From	To			
							Rhode Island Avenue (B04)	NoMa-Gallaudet Univ. (B35)			
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: 2017.08.25 12:01:16 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Alexander Nepa		



Description	TRST unit 6225 conducted a job safety briefing at the Rhode Island Avenue station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	RWIC, 6225, Advance Watchman, 6280 and AMF 6210		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 1500	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 Manual, rev. 6							ID Numbers			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
	B-Line	Track Number	track 1	Chain Marker and/or Station(s)		From		To			
						Rhode Island Avenue (B04)		NoMa-Gallaudet Univ. (B35)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	An FWSO Inspector performed an inspection of track 1 between Rhode Island Avenue and NoMa-Gallaudet University stations to observe track conditions and follow up on previously-issued remedial actions. The FWSO Inspector did not note any defects. No remedial actions were listed on track 1 between B04 and B35. Other Notable Observations: <ul style="list-style-type: none"> At CM 141+10, track 1: A plastic junction box cover was broken exposing the wires. (See attached Photo 1.) 						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	No			
Remedial Action	N/A										

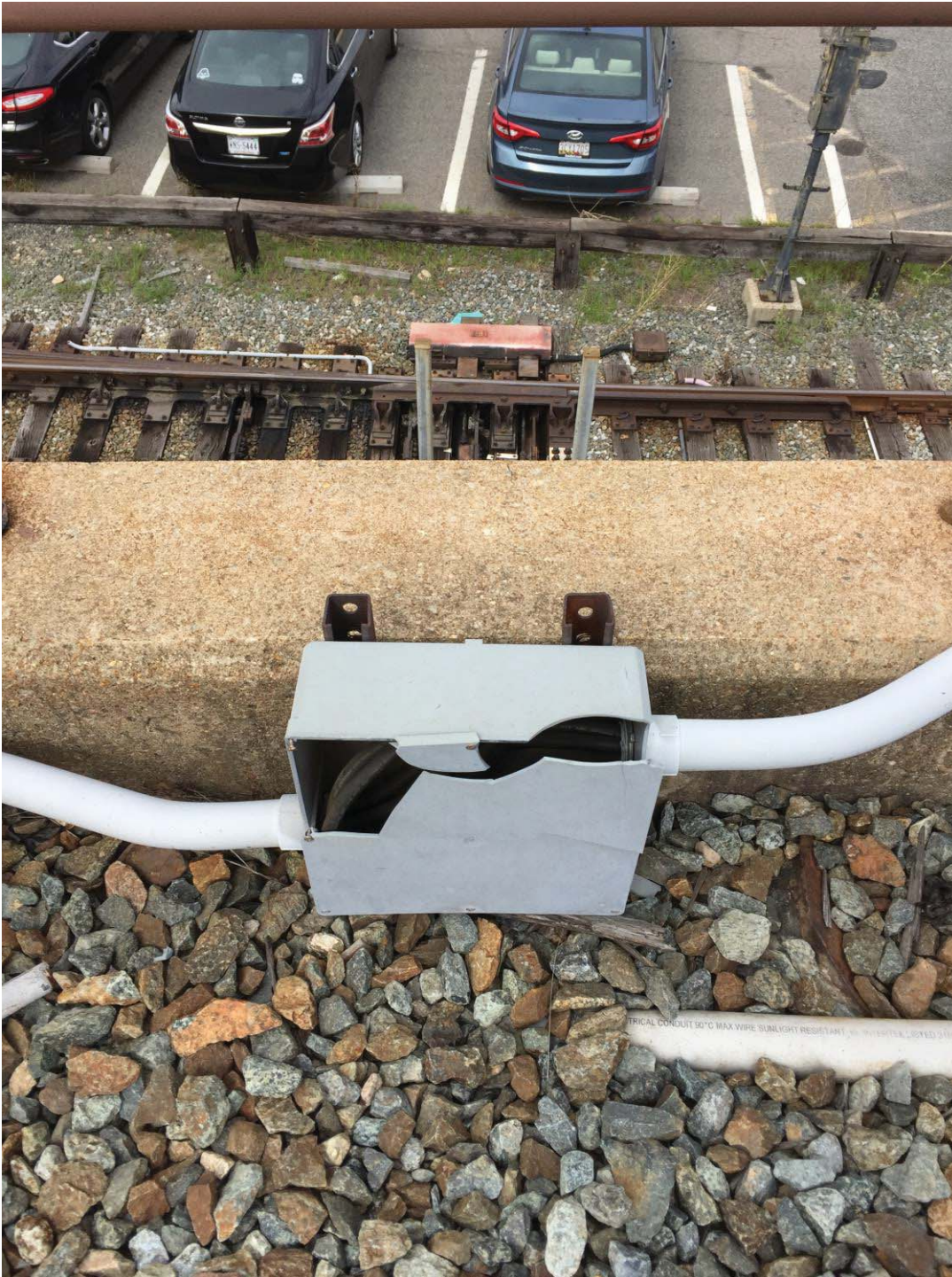


Photo 1. CM 141+10, cracked junction box cover and exposed wires.



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	20170819-WMATA-AG-1		
	2017	08	19				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub-Department	
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 Shutdown - Naylor Road (F09) to Suitland (F10) – tracks 1 and 2						

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	4				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Naylor Road (F09) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	Shutdown Dedicated Safety Briefer				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 to 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			
	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)	F-Line	Track Number		N/A	Chain Marker and/or Station(s)		From		To				
							Naylor Road (F09)		Suitland (F10)				
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: 2017.08.23 14:27:11 -0500	Date	
Inspector in Charge – Name	Adam Giovando		Inspection Team	Tino Sahoo	



Description	<p>FWSO personnel received a job safety briefing from the shutdown 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 locations and 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.</p> <p>The FWSO Inspector noted no defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject					Surge Shutdown – Walking Cable Inspection			Activity Code		TP	WI	OBS
Job Briefing Employee Name/Title	Shutdown Dedicated Safety Briefer		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 to 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				
	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		X				
Line(s)	F-Line	Track Number	tracks 1 and 2	Chain Marker and/or Station(s)	From				To					
					Naylor Road (F09)				Suitland (F10)					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											
Description	<p>The FWSO inspector observed WMATA employees performing a traction power cable inspection on tracks one and two of the F-Line between Naylor Road (F09) and Suitland (F10). In addition, FWSO inspected traction power cable and component conditions in the same area.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> DD-TP-SSI-013: Orange boot power assembly touching 3rd rail cover board and needs more clearance at F2 383+00. DD-TP-SSI-013: Unused conduit was not capped at F2 383+00. DD-TP-SSI-013: Unused conduit was not capped at F2 382+00. DD-TP-SSI-013: Broken orange boot power assembly at F2 398+00. (See Figure 1). <p>Other Notable Observations:</p> <ul style="list-style-type: none"> Transition cables lying on the ground at F1 398+00. Expansion cables lying on the ground at F1 and F2 408+00. 										Number of Defects	4		
											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 increase clearance between the orange boot power assembly and 3rd rail cover board at F2 383+00. WMATA must cap unused conduit at F2 383+00. WMATA must cap unused conduit at F2 382+00. WMATA must replace broken orange boot power assembly at F2 398+00. 													



Photos:



Figure 1: F2 398+00 – Broken Orange Boot Power Assembly



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	20170821-WMATA-AG-1		
	2017	08	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	K-Line, track 2, Dunn Loring (K07) to West Falls Church (K06)						

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	2				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6159		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 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			
	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)	K-Line	Track Number	track 2	Chain Marker and/or Station(s)		From		To			
						West Falls Church (K06)		Dunn Loring (K07)			
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	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: 2017.08.23 14:31:13 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa, Lee Emard



	TRST unit 6168 conducted a job safety briefing at Dunn Loring station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location.							Recommended Finding?		No			
	The FWSO Inspector took no exceptions to the job safety briefing.							Remedial Action Required?		No			
								Recommended Reinspection?		No			
Remedial Action	N/A												
Inspection Activity #	2	Inspection Subject			Track Observation and Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6159			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 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			
	TRST-1000 rev. 6									ID Numbers			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type		At-grade	Tunnel	Elevated	N/A	
	X								X		X		
	K-Line	Track Number	track 2		Chain Marker and/or Station(s)		From		To				
							West Falls Church (K06)		Dunn Loring (K07)				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	N/A		N/A										
Description	FWSO Inspectors performed a track inspection on track 2 of the K-Line between Dunn Loring (K07) and West Falls Church (K06) to inspect track conditions and follow up on previously-issued remedial actions.							Number of Defects		2			
	The following non-color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000 Manual, 13.3.4: At K2 617+50, the third rail anchor was not connected. • TRST 1000 Manual, 10.17.4.1: At K2 529+00, K06 30 signal, relay rail was observed allowing a trip and fall hazard. 							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 reconnect third rail anchor at K2 617+50 • WMATA must remove unused relay rail at K2 529+00. 												



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	20170821-WMATA-AG-2		
	2017	08	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub-Department	
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	Line Segment Shutdown – F1 438+00						

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				Naylor Road (F09) – Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	Line Segment Shutdown Dedicated Safety Briefer				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 to 2400	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				
	RWPM												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X					
Line(s)	F-Line	Track Number		N/A	Chain Marker and/or Station(s)		From		To				
							F1 438+00		F1 438+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	ADAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAftWorTX, ou=DOT FRAftWorTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.08.23 14:36:55 -05'00'	Date
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo



Description	<p>FWSO inspector received a job safety briefing from the line segment shut down 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 locations and types of work taking place, as well as the nearest hospital and safety rule of the day. FWSO inspector was provided a bracelet, indicating the receipt of the briefing, and was granted access to the roadway.</p> <p>The FWSO Inspector noted no defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Cable Replacement Observation				Activity Code	TP	RM	OBS	
Job Briefing Employee Name/Title	Line Segment Shutdown Dedicated Safety Briefer	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 to 2400	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					
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001)										
	ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (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			
Line(s)	F-Line	Track Number	track 1	Chain Marker and/or Station(s)	From		To				
					F1 438+00		F1 438+00				
Vehicles	Head Car Number		Number of Cars		Equipment	Power Cables (1000 kcmil, 2 kV)					
	N/A		N/A								
Description	<p>FWSO Inspectors observed WMATA's power department and electrical contractors performing the task of reconfiguring the original installation of four expansion cables.</p> <p>During the inspection, the FWSO Inspector observed the contractor reconfigure four expansion cables such that the cables no longer crossed over each other (cables touching) when connected to the 3rd rail. The cables were reinstalled per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.</p> <p>The FWSO Inspector did not note any defects during the cable replacement.</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	20170821-WMATA-AG-3		
	2017	08	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub-Department	
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	Van Ness - UDC (A06) Traction Power Substation (TPSS)						

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	Job Safety Briefing				Activity Code	TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	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										
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	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								

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: 2017.08.23 14:41:08 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Tino Sahoo



Description	<p>FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed.</p> <p>The FWSO Inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject					Direct Current (DC) Switchgear Feeder Breaker Corrective Maintenance			Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	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				
	MSRPH													
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		N/A	Chain Marker and/or Station(s)			From		To				
								N/A		N/A				
Vehicles	Head Car Number		Number of Cars		Equipment			750 V DC (Whipp and Bourne – Manufacturer) DC Feeder Breakers						
	N/A		N/A											
Description	<p>An FWSO Inspector observed WMATA's power personnel performing corrective maintenance on a direct current (DC) feeder breaker in the 750 V DC (Whipp and Bourne) switchgear located in the traction power substation.</p> <p>FWSO inspector observed WMATA power personnel troubleshoot a DC feeder breaker (#34) that would not "rack-in" properly into its cubicle in the DC switchgear (SWGR). The DC overcurrent relay (76) was checked for proper operation and to ensure it was not preventing the feeder breaker from being "racked-in". The amazite grounding pad underneath the DC SWGR was warped and preventing proper "racking-in" of the feeder breaker. WMATA power personnel were able to properly "rack-in" the DC feeder breaker.</p> <p>The FWSO Inspector and WMATA personnel did not note any defects.</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	20170822-WMATA-AG-1		
	2017	08	22				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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, tracks 1 and 2, Pentagon (C07) to Pentagon City (C08)						

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	TRST 6159				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 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			
	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)	C-Line	Track Number	Tracks		Chain Marker and/or Station(s)	From			To				
			1 & 2	Pentagon (C07)			Pentagon City (C08)						
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: 2017.08.23 14:44:55 -05'00'	Date
Inspector in Charge - Name	Adam Giovando			
Inspection Team	Alexander Nepa, Lee Emard			



Description	TRST unit 6168 conducted a job safety briefing at Pentagon Station (C07) platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6159		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 1500	Outside Shift	No	
Related Reports	20170718-WMATA-AG-1		Related CAPS / Findings		Remedial Actions, 1483, 1484, 1487, 1488 & 1507						
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)	C-Line	Track Number	Tracks 1 & 2	Chain Marker and/or Station(s)	From		To				
					Pentagon (C07)		Pentagon City (C08)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspectors performed a track inspection on tracks 1 & 2 of the C-Line between Pentagon (C07) and Pentagon City (C08) to inspect track conditions and follow up on previously issued remedial actions. No defects were noted. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action 1483; At C1 289+00 the frog point at switch C08-3A switch appeared to have been welded and compliant with WMATA maintenance standards. Remedial Action 1484, At C1 289+00 the frog at the C08-1A switch has been replaced. Remedial Action 1487, At C1 289+00 the frog at the C08-1A switch has been replaced. Remedial Action 1488, At C1 289+00 the tunnel work light at C08-1A switch has been repaired and is working. Remedial Action 1507, At C1 290+00 the end coverboard has been replaced 						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	20170822-WMATA-AG-2		
	2017	08	22				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	
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	A-Line, track 2, Rockville (A14) to Twinbrook (A13)						

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	5				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225					Accompanied Inspector?	Yes	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				
	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)	A-Line	Track Number	track 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											

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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: 2017.08.25 12:00:41 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Robert Maniuszko



Description	The FWSO Inspector received a job safety briefing from the roadway worker in charge (RWIC) at Rockville (A14) prior to entering the roadway. The briefing covered the type of on track protection (i.e., Train Approach Warning (TAW)), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, location of nearest hospital, a check of personal protective equipment (PPE), and roadway worker protection (RWP) ID. The FWSO Inspector noted no defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Track Inspection Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6225			Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	0930 - 1300	Outside Shift	No
Related Reports	20161129-WMATA-CF-1 20170201-WMATA-CB-1 20161201-WMATA-WP-1 20170414-WMATA-WP-1 20170126-WMATA-AD-4 20170721-WMATA-AG-1 20170228-WMATA-WP-1 20160823-WMATA-MKD-1			Related CAPS / Findings			Remedial Actions: 1022, 1107, 1031, 1284, 1021, 1103, 1285, 1137, 1135, 1136, 1134, 1444, 1188, 935				
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)	A-Line	Track Number	track 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	FWSO Inspectors performed a track inspection on track 2 of the A-Line between Rockville (A14) and Twinbrook (A13) to inspect track conditions and follow up on previously issued remedial actions.							Number of Defects	5		
								Recommended Finding?	Yes		
								Remedial Action Required?	Yes		
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.3.4: Missing Contact Rail anchor at A2 793+90. Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1386. • TRST 1000 Manual, 13.3.4: Missing Contact Rail anchor is disconnected on one side at A1 751+80. Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1386. • TRST 1000 Manual, 13.5.3: Third rail anchor arm is bowed at A1 742+10. • TRST 1000 Manual, 8.7.8: The vegetation above the wall is within the dynamic envelope of passing trains from A1 742+00 to A1 744+50 • TRST 1000 Manual, 5.14.1: There is an incorrect (Portec) joint bar installed on the right rail at A1 700+50 <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Remedial Action #1022: WMATA has corrected the narrow gage at A2 798+55. • Remedial Action #1107: WMATA has repaired the ETS door at A2 777+15. • Remedial Action #1031: WMATA has repaired the ETS box at A2 747+00. 							Recommended Reinspection?	Yes		



	<ul style="list-style-type: none"> • Remedial Action #1284: WMATA has replaced the heat shrink on the conduit stub up at A2 737+00. • Remedial Action #1021: WMATA has corrected the narrow gage at A2 712+71. • Remedial Action #1103: WMATA has corrected the tight gage deviations from A2 712+71 to A2 798+55. • Remedial Action #1285: WMATA has replaced the heat shrink on the conduit stub up at A2 701+00. • Remedial Action #1137: WMATA has removed the 3rd rail post at A1 766+00. • Remedial Action #1135: WMATA has replaced the heat shrink at A1 704+00. • Remedial Action #1136: WMATA has replaced the bushing at A1 704+00. • Remedial Action #1134: WMATA has replaced the bushing at A1 702+00. • Remedial Action #1444: WMATA has secured the lag bolts at A1 701+60 • Remedial Action #1188: WMATA has replaced the strap bar with angle bars at A1 700+75. • Remedial Action #935: WMATA has corrected all defects associated with this remedial action excluding the vegetation issue noted above. A stand-alone remedial action will be issued for that defect. 		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must repair the bowed anchor arm at A1 742+10. • WMATA must address the vegetation growth between A1 742+00 to A1 744+50. • WMATA must install the proper joint bar at A1 700+50. 		



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	20170823-WMATA-AG-1		
	2017	08	23				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	
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	F-Line, Track 2, Naylor Road (F09) to Suitland (F10)						

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	3				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	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			
	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)	F-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From		To				
					Naylor Road (F09)			Suitland (F10)			
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: 2017.08.25 12:05:42 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Adam Giovando, Ken Sgroi, Mike Vitale	



Description	FWSO inspectors received a job safety briefing from the roadway worker in charge (RWIC) at Naylor Road (F09) prior to entering the roadway. The briefing covered the type of on track protection (Train Approach Warning), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. No exceptions were taken during the briefing	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1300	Outside Shift	No	
Related Reports	20170620-WMATA-AG-1 20170722-WMATA-AG-1		Related CAPS / Findings	Remedial Actions: 1392, 1457, 1458, 1459, 1460							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X			
Line(s)	F-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Naylor Road (F09)			Suitland (F10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspectors performed a track inspection on track two of the F-Line between Naylor Road (F09) and Suitland (F10) to inspect track conditions and follow up on previously issued remedial actions. The following color-coded defect was observed: <ul style="list-style-type: none"> TRST 1000 Table 5-21: One bolt missing from the joint bar at F2 382+40, right rail. Yellow Condition. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000 5.11: Rail corrugation and spalling were noted between F2 394+80 and 395+50. Surface wear is affecting ride quality over this area and appears to be causing stud bolts and Pandrol clips to loosen due to vibration. See Figure 1 below. TRST 1000 13.3.12: Third rail expansion cables are lying directly on the ballast at F2 407+70. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action #1392: WMATA has secured junction box at F2 387+15 Remedial Action #1457: WMATA has replaced lag screws between F2 398+00 and 401+00. Remedial Action #1458: WMATA has replaced defective crossties between F2 399+90 and 400+00. Remedial Action #1459: WMATA has replaced defective crossties between F2 397+90 and 398+00. Remedial Action #1460: WMATA has replaced spalled rail between F2 400+60 and 400+70. 						Number of Defects	3			
							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 rail between F2 394+80 and 395+50. WMATA must replace missing bolt in the joint bar at F2 382+40. WMATA must elevate and secure third rail expansion cables at F2 407+70. 										



Photos:



Figure 1: Rail Surface defects between F2 394+80 and 395+50.



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	20170823-WMATA-AG-2		
	2017	08	23				
Rail Agency Name	Washington Metropolitan Area Transit Authority			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]
Inspection Location	Branch Avenue Rail Service and Inspection Facility (F99)						

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 - Branch Avenue Rail Service and Inspection Facility (F99)				Activity Code	VM	SI	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630-1030	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			
	N/A	N/A		Upgrade Instructions TA41878/955 Rev. 06		N/A		N/A			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					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				
	6006-6007		2								
Description	Inspector observed door spindle upgrade/modification to railcars 6006-6007 conducted by WMATA contractors.						Number of Defects		0		
							Recommended Finding?		No		

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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: 2017.08.25 12:08:58 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bill Hultsch	



	<p>WMATA has initiated a program to upgrade/modify door spindles to 2000, 3000, and 6000 series rail cars. A contractor is completing this work under the auspices of WMATA's railcar engineering group and the Car Maintenance Department (CMNT). The inspector observed two contractors working at benches rebuilding spindle units in preparation for vehicle installation. The inspector also observed four contractors, two per rail car, installing the spindle assemblies. Contractors were using Upgrade Instructions TA41878/955 Rev. 06. The current schedule calls for one married pair of rail cars to be completed each day. All contractors were wearing appropriate personal protective equipment (PPE), and all work was being performed in according with WMATA instructions.</p> <p>No exceptions were taken during the inspection</p>	<p>Remedial Action Required?</p>	<p>No</p>
<p>Remedial Action</p>	<p>N/A</p>	<p>Recommended Reinspection?</p>	<p>No</p>

Photos:



Figure 1: Contractor performing upgrade to door spindles



Figure 2: Contractor performing upgrade to door spindle sub assemblies



Figure 3: Rebuilt door spindles ready for installation



Figure 4: Rebuilt door spindle installed in rail car



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	20170824-WMATA-AG-1		
	2017	08	24				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	J & C-Lines, track 2, Van Dorn St. (J02) to King St. (C13)						

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	1				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1600	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												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X					
Line(s)	J & C-Lines		Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
							Van Dorn St. (J02)		King St. (C13)				
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: 2017.08.29 14:47:13 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa, Lee Emard	



Description	TRST unit 6225 conducted a job safety briefing at Van Dorn St. (J02) prior to entering the roadway. The briefing covered the type of on track protection (Train approach warning), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. FWSO Inspectors took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Observation and Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1600	Outside Shift	No	
Related Reports	20170221-WMATA-WP-3		Related CAPS / Findings		Remedial Actions, 1148, 1149, 1152						
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	
Vehicles	J & C-Lines		Track Number	Track 2	Chain Marker and/or Station(s)		From		To		
	N/A		N/A		Equipment		Van Dorn St. (J02)		King St. (C13)		
Description	FWSO inspectors performed a track inspection on track 2 of the J & C-Lines between Van Dorn St. (J02) and King St. (C13) to inspect track conditions and follow up on previously issued remedial actions. The following non-color-coded defect was observed <ul style="list-style-type: none"> TRST 1000 3.1.2.5: At J2 640+10 ETS box J40 has no cover. Other Notable Observations: <ul style="list-style-type: none"> No clearance signs are installed between J2 671+00 and 673+00, but this area is not documented in the 2017 roadway access guide as a no clearance area (see figures 1 and 2). No clearance signs are installed between 638+00 and 658+00 on both tracks of the J-Line, but this area is not documented in the 2017 roadway access guide as a no clearance area (see figures 3, 4, 5). Between 638+00 and 658+00 on both tracks of the J-Line, on the center catwalk, there are loose and insecure walkway plates and handrails (see figures 6 and 7). No clearance signs are installed between 622+00 and 628+00, on both tracks of the J-Line, but this area is not documented in the 2017 roadway access guide as a no clearance area (see figure 8). The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action #1149; At J2 566+00 the missing third rail coverboard has been replaced. Remedial Action #1149, At J2 568+00 the missing third rail coverboard has been replaced. Remedial Action #1152, At J2 682+00, the right rail has been replaced. 	Number of Defects	0								
		Recommended Finding?	No								
		Remedial Action Required?	No								
		Recommended Reinspection?	No								
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must replace the missing ETS cover at J2 640+10. 										



Photos:



Figures 1 and 2: No clearance signage installed at J2 671+00 and a train passing this location



Figures 3, 4, and 5: Aerial structure at between CM 638+00 and 658+00 with no clearance signage installed on both sides



Figure 6: Loose and insecure walkway plates on the center catwalk between CM 638+00 and 658+00.



Figure 7: Missing handrail between CM 638+00 and 658+00.



Figure 8: Aerial structure at between CM 622+00 and 628+00 with no clearance signage installed on both sides



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	20170824-WMATA-AG-2		
	2017	08	24				
Rail Agency Name	Washington Metropolitan Area Transit Authority			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]
Inspection Location	Branch Avenue Rail Service and Inspection Facility (F99)						

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 - Branch Avenue Rail Service and Inspection Facility (F99)				Activity Code	VM	SI	OBS	
Job Briefing Employee Name/Title	N/A	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0630-1030	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				
	N/A	SOP-3.05 Precision Measuring Devices, Shop Equipment, and Special Tools	Task 90 "Doors" from WMATA's periodic inspection procedures and MU-277/3A from Knorr-Bremse Group contractual requirements		N/A		N/A				
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					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				

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: 2017.08.25 12:15:19 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Bill Hultsch



	N/A	N/A			
Description	Inspector reviewed the door Spindle upgrade/modification testing procedure prior to releasing vehicles to revenue service, spot checked sling periodic inspection, and spot checked non-precision multimeter compliance with SOP – 3.05.			Number of Defects	0
	Inspector interviewed CMNT supervisor and contractor regarding testing procedure prior to releasing rail cars to service following upgrade/modification to door spindles.			Recommended Finding?	No
	Upgrade/modifications to 2000, 3000, and 6000 series rail cars per EMI 150145 Rev 01 are implemented by WMATA contractor. The test procedure used prior to approving vehicles for revenue service includes:			Remedial Action Required?	No
	<ol style="list-style-type: none"> 1. Downloading fault codes from the Central Door Control Unit. 2. Clearing of fault codes that were automatically generated to ensure faults were not generated during revenue service or through the periodic inspection process. 3. An obstruction test to verify that with an obstruction in the door an “All Doors closed” indication on the console is not achieved. 4. A functional test with a door panel cut out to verify that its door motor does not attempt to open the door when a request to open other doors is made. 5. A functional test using a portable test unit to simulate car speed at 4 MPH and verify that doors cannot be opened when the car is moving. 			Recommended Reinspection?	No
	All above tests are conducted in accordance with Task 90 “Doors” from WMATA’s periodic inspection procedures and MU-277/3A from Knorr-Bremse Group contractual requirements (Note that IFA North America and Knorr are part of Knorr-Bremse Group).				
	Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.				
	Inspector spot checked one non-precision multimeter for appropriate “No Calibration Required” sticker in compliance with SOP-3.05 Precision Measuring Devices, Shop Equipment, and Special Tools.				
	No exceptions were taken during the inspection				
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	20170825-WMATA-AG-1		
	2017	08	25				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
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	D-Line, track 1, New Carrollton (D13) to Landover (D12)						

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	2				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 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												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X					
Line(s)	D line		Track Number	Track 1	Chain Marker and/or Station(s)			From		To			
								New Carrollton (D13)		Landover (D12)			
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: 2017.08.29 14:47:55 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa, Lee Emard	



Description	TRST unit 6225 conducted a job safety briefing at New Carrollton (D13) prior to entering the roadway. The briefing covered the type of on track protection (TAW), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. FWSO Inspectors took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6225		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No	
Related Reports	20160412-WMATA-TGB-1 20160825-WMATA-RPM-1 20170603-WMATA-AG-1		Related CAPS / Findings		Remedial Actions, 241, 243, 264, 265, 268, 271, 942, 943, 1348						
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	
Line(s)	D line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					New Carrollton (D13)			Landover (D12)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors performed a track inspection of track 1 of the D line between New Carrollton (D13) to Landover (D12) to inspect track conditions and follow up on previously issued remedial actions.</p> <p>The following non-color-coded defects were observed</p> <ul style="list-style-type: none"> • TRST 1000 13.3.15: At D1 567+90 at the aerial structure, the end coverboard is missing. • TRST 1000 13.3.15: At D1 525+00 near Landover Station, the end coverboard is missing. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Remedial Action #241: At D1 CM 555+00 the ETS light and door have been repaired. • Remedial Action #243: At D1 246+90 the ETS light and door have been repaired. • Remedial Action #264: At D1 CM 526+00 the missing end coverboard has been installed. • Remedial Action #265: At D1 CM 592+60 the tie plates and ties have been replaced. • Remedial Action #268: At D1 CM 581+40 the loose fasteners on the right rail have been replaced and new crossties installed. • Remedial Action # 271: At D1 CM 524+00 the loose fasteners on the four consecutive crossties have been repaired. • Remedial Action #942 At D1 CM 595+50 the gauge rods have been removed and new crossties installed. • Remedial Action #943; At D1 CM 525+00 the insulator assembly at the end approach has been repaired. • Remedial Action #1348; At D1 on the Aerial structure, the fasteners are seated correctly to the grout pads. 						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 missing end coverboards at D1 567+90 • WMATA must replace the missing end coverboards at D1 525+00 										



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	20170826-WMATA-AG-1		
	2017	08	26				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
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	West Falls Church (K06) Interlocking Inspection						

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	11				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6168				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	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			
	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)	K-Line		Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)			From		To			
								West Falls Church (K06)		West Falls Church (K06)			
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: 2017.08.29 14:50:35 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando			Inspection Team	Alexander Nepa, Lee Emard	



Description	TRST unit 6168 conducted a job safety briefing on the West Falls Church (K06) platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Interlocking Inspection				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		B/A						
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			
Vehicles	K-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
	Head Car Number	Number of Cars		Equipment		West Falls Church (K06)		West Falls Church (K06)			
	N/A	N/A				N/A					

Description	FWSO inspectors performed an interlocking and crossover inspection of 10 switches on the outbound side of West Falls Church (K06) to include the pocket tracks. The following non-color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000 Table 9-11 (9) Switch 15B, left-hand point, inside brace plates four in a row with loose bolts. • TRST 1000 9.10 At switch 17A, the number four rod is loose. • TRST 1000 Table 9-11 (7), At switch 17A, left-hand switch point guard, one bolt missing. • TRST 1000 13.3.15 At switch 15A, third rail (kicker rail) cover board missing. • TRST 1000 13.3.15 At switch 15B, third rail (kicker rail) cover board missing. • TRST 1000 Table 9-11 (3) At number 19 crossover switch through the frog, there are nine defective non-holding timbers, five in a row. Also, there are 10 timbers in-a-row with loose non-holding lag screws. This condition is allowing lateral movement in the frog but within TRST 1000 tolerances. • TRST 1000 9-table 9-11 (9) At switch 7A, main side, right rail, two rail joints from the stock rail, the bolts in the rail joint are loose. In both joints, on one side, there was only one holding bolt. This condition was hand corrected by the RWIC. • TRST 1000 9-table 9-11 (9) At switch 7A, main side point protector has seven loose lag bolts on three ties in-a-row. • TRST 1000 9-table 9-11 (9) At switch 5A, the left switch point protector has three bolts loose. • TRST 1000 9-table 9-11 (9) At switch 5A, left-hand switch point, inside braces, there are 12 loose bolts. • TRST 1000 9.10 At switch 7B the number three switch rod is loose. Other Notable Observations: <ul style="list-style-type: none"> • In the immediate area of the 10 switches inspected, FWSO observes several unsecured rail joints with missing Pandrol clips. • At the number 19 crossover, the frog point measured ½-inch wear. 	Number of Defects	11
		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 tighten the loose bolts on the left inside point braces at switch 15B at K2 527+30.• WMATA must tighten the number four switch rod on switch 17A at K2 527+30.• WMATA must replace the missing bolt on the switch point guard at 17A switch at K2 527+30.• WMATA must replace the missing coverboard on the kicker rail at switch 15A at K2 527+30.• WMATA must replace the missing coverboard on the kicker rail at switch 15B at K2 527+30.• WMATA must replace defective switch timber under the frog at the 19-crossover switch and secure with holding fasteners at K3 525+00.• WMATA must tighten the joint bar bolts at the 7A switch at K1 527+30.• WMATA must tighten the loose bolts on the main side switch point protector at the 7A switch at K1 527+30.• WMATA must tighten the bolts on the left side switch point protector on 5A switch at K1 527+30.• WMATA must tighten the loose bolts on the inside brace plates at 5A switch at K1 527+30.• WMATA must tighten the number three switch rod at the 7B switch at K1 527+30.
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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	20170827-WMATA-AG-1		
	2017	08	27				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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, Track 2, Huntington (C15) to King St. (C13)						

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	7				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	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		
	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)	C-Line	Track Number	Track 2		Chain Marker and/or Station(s)		From	To			
							Huntington (C15)	King St. (C13)			
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	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: 2017.08.30 12:30:17 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa, Lee Emard	



	TRST unit 6168 conducted a job safety briefing at the Huntington (C15) platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.	Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6168		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 1500	Outside Shift	Yes	
Related Reports	20170412-WMATA-WP-1 20170412-WMATA-WP-4		Related CAPS / Findings		Remedial Actions: 1280, 1286, 1287, 1291, 1292,						
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 St. (C13)		
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

Description	<p>FWSO inspectors performed a track inspection on track two of the C-Line between Huntington (C15) and King St. (C13) to inspect track conditions and follow up on previously issued remedial actions.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 6.14.1, table 6-4, At C2 622+00 at the 1B switch in the transitional area there were two consecutive defective grout pads, see figures 1, 2, and 3 below. Yellow Condition • TRST 1000 11.3.2, table 11-2, At C2 622+00 at the 1B switch in the turn-out transition wide gage measuring 57-1/4-inch static with 3/8 dynamic movement, 57-5/8, see figures 4 and 5 below. A speed restriction was not installed by the RWIC due to proximity to the station platform. Red Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 9.10. At C2 622+00 switch number 3B, the number three switch rod is loose. • TRST 1000 13.3.15 At C2 622+20 the end third rail cover board is missing. • TRST 1000 13.3.15 Between C2 624+00 and 625+00 in the platform area, there are three missing cover boards. • TRST 1000 3.1.2.5 At C2 615+00, the blue light is not working at ETS box C178. • TRST 1000 8.7 Between C2 583+00 and 587+00 there is vegetation in the gauge and third rail side of the tracks. <i>(see attached photo 7)</i> <p>Other Notable Observations</p> <ul style="list-style-type: none"> • In the 2017 edition of WMATA track access guide, the chain marker location for requesting foul time to enter and pass through the portal between Eisenhower Avenue and King Street should be reviewed by SAFE. • Deteriorating conditions were observed with the grout pads and the special assembly fastening systems in the switches and crossovers at Huntington Station. This interlocking is scheduled for replacement in 2017. 	Number of Defects	7
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none">• Remedial Action 1280, At C2 582+50 the third rail coverboard has been replaced.• Remedial Action 1286, At C2 593+00 heat shrink tape has been installed on the conduit stub-up.• Remedial Action 1287, At C2 592+00 neat shrink tape has been installed on the conduit stub-up.• Remedial Action 1291, At C2 567+00 the third rail feeder wire has been repaired.• Remedial Action 1292, At C2 585+00 the third rail expansion cables have been moved.		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must repair the grout pads at C2 622+00 1B switch.• WMATA must repair the wide gauge condition at C2 622+00 1B switch.• WMATA must replace tighten the number three switch rod at C2 622+00 3B switch.• WMATA must install an end coverboard on the third rail at C2 622+20.• WMATA must install missing cover boards on track two in the station platform area.• WMATA must repair the light at the ETS box located at C2 615+00.• WMATA must remove the vegetation between C2 583+00 and 587+00.		

Photos:



Figures 1, 2, and 3: 1B switch grout pad condition at C2 622+00



Figures 4 and 5: 1B switch 57-1/4 static gauge with 3/8-inch dynamic movement (57-5/8) at C2 622+00.

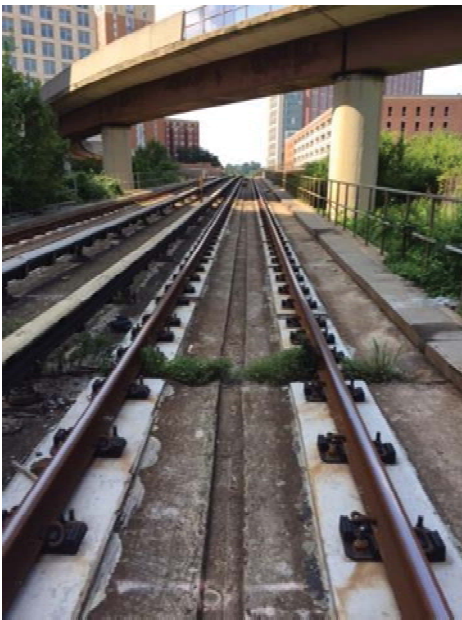


Figure 6: Gauge and third rail side vegetation between C2 583+00 and 587+00



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	20170828-WMATA-AG-1		
	2017	08	28				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
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	B-Line, Tracks 1 and 2, Brookland (B05) to Rhode Island Ave (B04)						

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	4				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6269				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	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		
	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)	B-Line		Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)			From		To			
								Brookland (B05)		Rhod Island Ave (B04)			
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	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: 2017.08.30 12:35:00 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard, Al Nepa



	TRST unit 6269 conducted a job safety briefing at Brookland Station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location. The FWSO Inspector took no exceptions to the job safety briefing.						Recommended Finding?		No					
							Remedial Action Required?		No					
							Recommended Reinspection?		No					
Remedial Action		N/A												
Inspection Activity #	2		Inspection Subject				Track Observation			Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6269			Accompanied Inspector?		Yes		Out Brief Conducted		Yes	Time	1000 1400	Outside Shift	Yes
Related Reports	20161205-WMATA-WP-1 20161117-WMATA-AD-1			Related CAPS / Findings			Remedial Actions: 1033, 1032, 1010							
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	X				
Line(s)	B-Line		Track Number	Tracks 1 and 2		Chain Marker and/or Station(s)		From		To				
								Brookland (B05)		Rhode Island Ave (B04)				
Vehicles	Head Car Number		Number of Cars			Equipment		N/A						
	N/A		N/A											
Description	<p>FWSO inspectors performed a remedial action verification and general observation of track conditions between Brookland (B05) and Rhode Island Ave (B04) on tracks one and two of the B-Line.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 9.10: At B1 175 +96 switch number 1A, the number three switch rod is loose. TRST 1000 13.3.15: At B1 175+96 the end third rail cover board is missing. TRST 1000 9.27.60: At B1 175+96 switch number 1A, left-hand switch point had a 1/8-inch gap. TRST 1000 10.17.4.1: Between B2 192+00 and 194+00 Relay rail was observed allowing a trip and fall hazard. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> Deteriorating conditions were observed between C2 167+00 and 172+00 on the aerial structure direct fixation fasteners. Fasteners are showing evidence of cracking on the shoulders. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action 1033: At B1 175+96 At B05 1A switch the house top has no cotter pin inserted on the # 1 and # 4 nuts. Remedial Action 1032: At B1 175+96 At B05 3A switch the guard rail has two loose bolts that need to be tightened. Remedial Action 1010: At B2 186+15 WMATA must label and add the interior map in the ETS box identified above. 						Number of Defects		4					
							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 tighten the number three switch rod at B1 175+96 1A switch WMATA must install an end coverboard on the third rail at B1 175+96 WMATA must adjust switch point at B1 175+96 switch 1A, left-hand point WMATA must remove relay rail at B2 192+00 													



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	20170829-WMATA-AG-1		
	2017	08	29				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
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	K-Line, track 2, Ballston (K04) to Court House (K01)						

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	4				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing/On-Track Protection				Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6269		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 – 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			
	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)	K-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Ballston (K04)			Court House (K01)			
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: 2017.08.30 12:39:28 -05'00'	Date
Inspector in Charge – Name	Adam Giovando		
Inspection Team	Al Nepa, Lee Emard, Mike Vitale, Robert Maniuszko		



Description	<p>The FWSO inspection team received a job safety briefing from the roadway worker in charge (RWIC) at Ballston (K04). The briefing covered the type of on track protection, Train Approach Warning (TAW), where to clear, known hazards and hotspots. All personal protective equipment (PPE) was checked as well as roadway worker protection (RWP) ID.</p> <p>The RWIC provided an Advanced Watchman/Lookout #6028 and two Advanced Mobile Flaggers #6225 and #6121.</p> <p>Other notable observation: The K04 Interlocking is not identified within the 2017 access guide. The RWIC advised the Rail Operations Control Center (ROCC) of the discrepancy. The area afforded the team a clear view so the RWIC deployed an advanced watchman and the team proceeded through under TAW protection.</p> <p>The FWSO team noted no defects with the Job Safety Briefing or the On-Track protection.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Inspection					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6269		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 – 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										
	MSRPH										
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	Track 2	Chain Marker and/or Station(s)			From	To			
							Ballston (K04)	Court House (K01)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	<p>FWSO inspectors performed a track inspection on track two of the K-Line between Ballston (K04) and Court House (K01) to inspect track conditions.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.3.14: The contact rail cover board is missing from K2 245+60 to K2 236+30. • TRST 1000 Manual, 13.3.14: The end approach cover board is missing at K2 222+00. • TRST 1000 Manual, 13.3.7: The end approach contact rail splice bar is missing one bolt at K2 274+00 • TRST 1000 Manual, 10.17.4.1: There is relay rail between the bench wall and the right rail at K2 258+00 <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • Portec joint bars installed December 2016 are still in place at the weld located at K2 261+40. It does not appear that the ultrasonic testing has been completed. • Portec joint bars installed at K2 254+00 are in place at a field weld. The date of the weld is not indicated and there is also no indication that the ultrasonic testing has occurred. 							Number of Defects	4		
								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 cover boards from K2 245+60 to K2 236+30. • WMATA must replace the cover board at K2 222+00. • WMATA must re-secure the end approach at K2 274+00. • WMATA must remove the relay rail at K2 258+00. 										



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	20170831-WMATA-AG-1		
	2017	08	31				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	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]
Inspection Location	Mt. Vernon Square (E01) – Track 1 and Track 2						

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	Mt. Vernon Square (E01) – Safety Briefing				Activity Code	TP	JSB	OBS	
Job Briefing Employee Name/Title	TRPM RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	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			
	RWPM										
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				
					Mount Vernon Square (E01)		Mount Vernon Square (E01)				
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: 2017.09.01 10:55:51 -05'00'	Date	
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo		



Description	FWSO personnel received a Job Safety Briefing from the WMATA RWIC. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. WMATA RWIC covered the nearest hospital and safety rule of the day. The hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion. The FWSO Inspector did not note any defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Mt. Vernon Square (E01) - Cable Replacement				Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	TRPM RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	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			
	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013)										
ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE											
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			
					Mount Vernon Square (E01)			Mount Vernon Square (E01)			
Vehicles	Head Car Number		Number of Cars		Equipment	Power Cables (1000kcmil, 2kV)					
	N/A		N/A								
Description	FWSO inspectors observed WMATA's power department and contractors performing the task of replacing twenty-three feeder cable pigtails.						Number of Defects		0		
	In WMATA's shop before the night of work, twenty-three six feet length portions of 1000kcmil were cut and pre-meggered for the feeder cable pigtails to be installed. During the inspection, FWSO observed the contractor installing feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016. All personnel were wearing required PPE. The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.						Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		No		
Remedial Action	N/A										