



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	20171101-WMATA-AG-1		
	2017	11	01				
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	D-Line, Tracks 1 and 2, Minnesota Ave. (D09) to D and G Junction (D98)						

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 6380			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	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)	D-Line		Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From			To				
							D1 321+70 D2 321+70			D1 270+00 D2 270+00				

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: 2017.11.03 16:13:14 -0400'	Date
Inspector in Charge - Name	Adam Giovando				
Inspection Team	Adam Giovando, Ken Sgroi, Mike Vitale				



Vehicles	Head Car Number	Number of Cars	Equipment	N/A	
	N/A	N/A			
Description	<p>FWSO inspector(s) received a job safety briefing from the roadway worker in charge (RWIC) at Minnesota Ave. (D09) prior to entering the roadway. The briefing covered the type of on track protection (i.e. Train Approach Warning), the working limits, 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.</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	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6380		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes	
Related Reports	E17562 20161129-WMATA-WP-1 20170324-WMATA-WP-1		Related CAPS / Findings	Remedial Action ID #: 1013, 1226							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Line(s)	D-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)	From		To				
					D1 321+70 D2 321+70	D1 270+00 D2 270+00					
Vehicles	Head Car Number	Number of Cars	Equipment	N/A							
	N/A	N/A									

Description	<p>FWSO inspectors performed a track inspection on tracks 1 and 2 of the D-Line between chain marker 321+70 and 270+00 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, Table 7-1: 110 inches between effective fasteners at D2 278+00, right rail, maintenance condition. Red condition. • TRST 1000, Table 7-1: 143 inches between effective fasteners and ¼ inch of vertical deflection at D2 279+50, right rail. Speed restriction implemented by RWIC and reported to FWSO as E17562. Black condition. • TRST 1000, Table 9-3: 3/8 inch of wear on the frog at D1 283+80. Red Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000, 5.11.7: Spalling condition was noted on the right rail at D1 283+50. See figure 1 below. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • Fastener nuts are loose between D2 285+00 and 281+00. <p>The following remedial actions were verified as complete</p> <ul style="list-style-type: none"> • Remedial Action ID #1013: WMATA has replaced defective fasteners on the aerial structure. • Remedial Action ID #1226: WMATA has replaced incorrect joint bar at D1 270+10 			Number of Defects	4
				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 defective fasteners at D2 278+00, right rail.• WMATA must replace defective fasteners at D2 280+50, right rail.• WMATA must address wear on the frog at D1 283+80.• WMATA must address spalling condition on the right rail at D1 283+50.
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Photos



Figure 1: Spalling condition on the right rail at D1 283+50.



Inspection Form

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Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171102-WMATA-AG-1		
	2017	11	02				
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	A-Line, Track 2, Bethesda (A09) to Van Ness (A06)						

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	14				
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 6030				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			
Line(s)	A-Line		Track Number	Track 2	Chain Marker and/or Station(s)			From		To			
								Bethesda (A09)		Van Ness (A06)			
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: 2017.11.08 07:22:55 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



Description	TRST unit 6030 conducted a job safety briefing at Bethesda Station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Inspection				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6205		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				
	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)	A Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Bethesda (A09)			Van Ness (A06)			
Vehicles	Head Car Number	Number of Cars		Equipment	N/A						
	N/A	N/A									

Description	<p>An FWSO Inspector performed a general inspection of track conditions on track two of the A-Line between Bethesda (A09) and Van Ness (A06).</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000, 7.7, Table 7-1: At A2 331+00, 10 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Yellow Condition. • TRST 1000, 7.7, Table 7-1: At A2 280+00, 10 non-defective fasteners in 40 feet were observed; right rail, 2500 to 800 ft. radius curve. Yellow Condition. • TRST 1000, 7.7, Table 7-1: At A2 210+00, 10 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Yellow Condition. • TRST 1000, 7.7, Table 7-1: At A2 361+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 356+40, 11 non-defective fasteners in 40 feet were observed; right rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 353+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 349+80, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 348+90, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 348+30, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. • TRST 1000, 7.7, Table 7-1: At A2 347+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. 	Number of Defects	14
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• TRST 1000, 7.7, Table 7-1: At A2 327+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition.• TRST 1000, 7.7, Table 7-1: At A2 314+30, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition.• TRST 1000, 7.7, Table 7-1: At A2 313+40, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition.• TRST 1000, 7.7, Table 7-1: At A2 312+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition.		
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">• WMATA must repair defective fasteners at A2 331+00.• WMATA must repair defective fasteners at A2 280+00.• WMATA must repair defective fasteners at A2 210+00.• WMATA must repair defective fasteners at A2 361+00.• WMATA must repair defective fasteners at A2 356+40.• WMATA must repair defective fasteners at A2 353+00.• WMATA must repair defective fasteners at A2 349+80.• WMATA must repair defective fasteners at A2 348+90.• WMATA must repair defective fasteners at A2 348+30.• WMATA must repair defective fasteners at A2 347+00.• WMATA must repair defective fasteners at A2 327+00.• WMATA must repair defective fasteners at A2 314+30.• WMATA must repair defective fasteners at A2 313+40.• WMATA must repair defective fasteners at A2 312+00.		



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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	20171103-WMATA-AG-1		
	2017	11	03				
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	D-Line, Track 2, Deanwood (D10) to New Carrollton (D13)						

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 6111				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			
Line(s)	D-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
							Deanwood (D10)		New Carrollton (D13)				
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: 2017.11.08 07:26:14 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



Description	TRST unit 6111 conducted a job safety briefing at New Carrollton yard trailer. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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					Track Inspection		Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6111			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				
	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)	D-Line	Track Number	Track 2		Chain Marker and/or Station(s)		From		To				
							Deanwood (D10)		New Carrollton (D13)				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	N/A		N/A										
Description	The FWSO Inspector performed a general inspection of track conditions on the D-Line, track 2, between Deanwood (D10) and New Carrollton (D13). The FWSO Inspector did not note any defects. Other Notable Observations: <ul style="list-style-type: none"> Fasteners observed at D2 404+00 showed signs of degradation. See figure 1 below. Fasteners observed at D2 468+00 showed signs of degradation. See figure 2 below. Fasteners observed at D2 555+00 showed signs of degradation. See figure 1 below. 						Number of Defects	0					
							Recommended Finding?	No					
							Remedial Action Required?	No					
							Recommended Reinspection?	No					
Remedial Action	N/A												



Photos:



Figure 1: Fastener showing signs of degradation at D2 404+00



Figure 2: Fastener showing signs of degradation at D2 468+00



Figure 3: Fastener showing signs of degradation at D2 555+00



Inspection Form

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171103-WMATA-AG-2		
	2017	11	03				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	SMNT	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	Medical Center (A10) to Bethesda (A09) – Tracks 1 and 2						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	SMT-JSB-OBS	SMT-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	Medical Center (A10) – Job Safety Briefing				Activity Code	SMT	JSB	OBS	
Job Briefing Employee Name/Title	WMATA RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2300-0400	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)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							Medical Center (A10)		Medical Center (A10)		
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: 2017.11.14 07:30:31 -05'00'	Date
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo, Robert Maniuszko			



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 hot spots, hazards, clearance areas, communication, and Roadway Access Guide were used as part of the discussion.</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	Tunnel Lighting Fixture Replacement				Activity Code	SMT	WI	OBS	
Job Briefing Employee Name/Title	WMATA RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2300-0400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	MSRPH										
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	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Medical Center (A10)		Bethesda (A09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO Inspectors observed WMATA power personnel and electrical contractors replace tunnel light fixtures. Work did not begin until 0217 hours, as shunts were not verified by the Rail Operations Control Center (ROCC) until 0150 hours. A total of eight light fixtures were replaced.</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	20171103-WMATA-AG-3		
	2017	11	03				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ELES	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Friendship Heights (A08), Medical Center (A10), Pentagon (C07), Pentagon City (C08), L'Enfant Plaza (D03), Archives (F02), and L'Enfant Plaza (F03) Stations						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	VT-FI-PI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	13					
Recommended Finding	Yes					
Remedial Action Required ¹	Yes					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject					Metro Station Elevator Certificate Verification			Activity Code		VT	FI	PI
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	N/A	Outside Shift	N/A			
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)	N/A		Track Number	N/A	Chain Marker and/or Station(s)		From			To				
							N/A			N/A				
Vehicles	Head Car Number		Number of Cars			Equipment		N/A						
	N/A		N/A											
Description	An FWSO Inspector visited 6 stations to verify that elevator certificates were compliant with municipality jurisdiction standards. The certificates were checked to be present at the station kiosk or in the elevator, and to have a valid, non-expired, date.										Number of Defects		13	
											Recommended Finding?		Yes	
											Remedial Action Required?		Yes	
											Recommended Reinspection?		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: 2017.11.14 07:32:03 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Tino Sahoo



	<p>The FWSO Inspector noted that the following elevators by asset number were not in compliance:</p> <p>Friendship Heights (A08):</p> <ul style="list-style-type: none">• A08S02 (Missing Certificate)• A08S04 (Missing Certificate)• A08S05 (Missing Certificate)• A08N02 (Missing Certificate) <p>Pentagon (C07):</p> <ul style="list-style-type: none">• C07E04 (Expired – 05/15/2017)• C07E05 (Missing Certificate) <p>Pentagon City (C08):</p> <ul style="list-style-type: none">• C08X01 (Missing Certificate)• C08X02 (Missing Certificate)• C08X03 (Missing Certificate) <p>L'Enfant Plaza (D03):</p> <ul style="list-style-type: none">• D03W04 (Missing Certificate) <p>Archives (F02):</p> <ul style="list-style-type: none">• F02X01 (Missing Certificate)• F02X02 (Missing Certificate) <p>L'Enfant Plaza (F03):</p> <ul style="list-style-type: none">• F03N03 (Missing Certificate)		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must ensure all elevators have a valid certificate.		



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	20171104-WMATA-JM-1		
	2017	11	04				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	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, Gallery Place (B01) to Medical Center (A10)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	RI	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1100 - 1430	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings		CAPs R-2-18-A and R-2-19-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								X
Line(s)	A-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Gallery Place (B01)		Medical Center (A10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	7408, 7406, 7248, 7150		8,8,8,8								
Description	FWSO Inspectors performed four riding inspections beginning on the Red Line at Gallery Place (B01) to Grosvenor-Strathmore (A11), and back to Gallery Place (B01). One FWSO Inspector rode in the cab, and the other rode in the lead car.						Number of Defects		3		
							Recommended Finding?		No		
							Remedial Action Required?		No		

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Inspector in Charge - Signature	JOHN PHILIP MAYSER		<small>Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA ou=RAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.05 08:26:46 -08'00'</small>
Inspector in Charge - Name John Mayser	Inspection Team John Mayser, Ken Sgroi		



	<p>Lead Car 7408: FWSO Inspectors observed train with lead car 7408 from 1105 – 1132 hours, track 2, operating from Gallery Place (B01) to Farragut North (A02). The train operator complied with observed rules.</p> <p>Lead Car 7406: FWSO Inspectors observed train with lead car 7406 from 1138 - 1149 hours, track 2, operating from Farragut North (A02) to Van Ness-UDC (A06). The train operator complied with observed rules.</p> <p>Lead Car 7248: FWSO Inspectors observed train with lead car 7248 from 1215 - 1231 hours, track 2, operating from Van Ness-UDC (A06) to Grosvenor-Strathmore (A11). The train operator properly sounded the horn and acknowledged track employees working on track 1 approaching Medical Center (A10) and maintained the appropriate speed.</p> <p>Lead Car 7150: FWSO Inspectors observed train with lead car 7150 from 1241 - 1322 hours, track 2 (opposite the normal direction), which operated from Grosvenor-Strathmore (A11) and crossed over to track 1 at Medical Center (A10) to Gallery Place (B01).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operator of train with lead car 7248 did not have his copy of the MSRPH, Permanent Orders and Temporary Orders in his possession, and was not aware that they were required to be in his possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 7150 did not sound the horn emerging from the tunnel on track 2 (opposite normal direction) arriving into Grosvenor-Strathmore (A11) station. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.122: Operator of train with lead car 7150 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Grosvenor-Strathmore (A11) station on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • After crossing over from track 2 to track 1 at Medical Center (A10), the train with lead car 7150 displayed 75-75 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. 	<p>Recommended Reinspection?</p>	<p>Yes</p>
<p>Remedial Action</p>	<p>N/A</p>		



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	20171105-WMATA-KS-1		
	2017	11	05				
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	Pentagon (C07)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-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					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6073			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900-1330	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)	C-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Pentagon (C07)		Pentagon (C07)				
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	KENNETH H SGROI	Digitally signed by KENNETH H SGROI DN: c=US, o=U.S. Government, ou=FRA FRAAtlantaGA, ou=DOT FRAAtlantaGA, cn=KENNETH H SGROI Date: 2017.11.16 08:47:59 -05'00'	Date
Inspector in Charge - Name	Ken Sgroi	Inspection Team	Ken Sgroi



Description	FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at the Pentagon (C07) station platform prior to entering the roadway. The briefing covered the type of track protection (i.e., Inaccessible Track) and Red Tag shut down protection (#2017308501A), working limits, where to clear, known hazards and hotspots, the safety rule of the day, nearest hospital location, check of personal protective equipment (PPE), and roadway worker protection (RWP) ID. 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 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	20171106-WMATA-AG-1		
	2017	11	06				
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 Two, Vienna (K08) to West Falls Church (K06)						

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	TRST 631		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					X			
Line(s)	K-Line	Track Number	N/A	Chain Marker and/or Station(s)			From	To			
							Vienna (K08)	Vienna (K08)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description								Number of Defects	0		

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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: 2017.11.14 07:32:39 -05'00'	Date		
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa		



	<p>TRST unit 631 conducted a job safety briefing at the Vienna (K08) station. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards, and hospital location.</p> <p>The FWSO Inspector did not note any defects.</p>						Recommended Finding?	No				
							Remedial Action Required?	No				
							Recommended Reinspection?	No				
Remedial Action	N/A											
Inspection Activity #	2	Inspection Subject				Track Walker Observation		Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 631			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, 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)	K-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					Vienna (K08)			West Falls Church (K06)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	<p>An FWSO Inspector observed WMATA personnel performing a track inspection on track 2 of the K-Line between Vienna (K08) and West Falls Church (K06). The FWSO Inspector observed the WMATA Inspector to be diligent in his duties.</p> <p>The FWSO Inspector did not note any defects.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> The bridge over Interstate 495 between K2 622+00 and 633+00 had a "No Clearance" area on the field side of both tracks. Positions of safety must be taken on the center, metal-grated, catwalk with hand rails. To get to the place of safety, personnel must step over the third rail onto the metal catwalk and use the metal hand rail. 						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	20171107-WMATA-AG-1		
	2017	11	07				
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	D-Line, Track 1, New Carrollton (D13) to Deanwood (D10)						

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 6111			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			
Line(s)	D-Line		Track Number	Track 1	Chain Marker and/or Station(s)		From		To				
							New Carrollton (D13)		Deanwood (D10)				
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: 2017.11.08 07:30:10 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



Description	TRST unit 6111 conducted a job safety briefing at New Carrollton yard trailer. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Observation and Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6111		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	Yes	
Related Reports	20160825-WMATA-RPM-1		Related CAPS / Findings		Remedial Action ID#: 941						
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		X	
Line(s)	D-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					New Carrollton (D13)			Deanwood (D10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector performed a walking track observation, remedial action verification, and general inspection of track conditions on the D-Line, track 1, between New Carrollton (D13) and Landover (D12). Due to heavy rain, an inspection was performed from the train for ride quality from Deanwood (D10) to Landover (D12). The FWSO Inspector did not note any defects. The following remedial action was verified as complete: <ul style="list-style-type: none"> Remedial Action 941: At D1 548+00, all fasteners were 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	20171108-WMATA-AG-1		
	2017	11	08				
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	Greenbelt (E10), Alternating Current (AC) Switchboard (SWBD) Room						

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					Greenbelt (E10) – Job 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	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	N/A		Chain Marker and/or Station(s)	From			To					
			Greenbelt (E10)			Greenbelt (E10)								
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, cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:33:21 -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				Preventive Maintenance Observation		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	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			
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) TECHNOLOGY EQUIPMENT (ITE)- GOULD 480 VAC POWER CIRCUIT BREAKERS, TYPES K-225 THROUGH K-2000, AND TYPES K-600S THROUGH K-2000S 720/1090, DAY INSPECTION, (REVISION 2, JUNE 20, 2013)												
	PMI AUTOMATIC BUS TIE 480 VOLT AC SWITCHGEAR OPERATIONAL TEST SEMIANNUAL (REVISION 2, JUNE 20, 2013)												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X									X	
Line(s)	E-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Greenbelt (E10) – AC SWBD RM		Greenbelt (E10) – AC SWBD RM				
Vehicles	Head Car Number		Number of Cars			Equipment		480 VAC ABB (Manufacturer), Type MB16 Circuit Breaker					
	N/A		N/A										
Description	The FWSO Inspector observed WMATA power personnel perform preventive maintenance on each of the secondary main breakers on AC Switchboards #1 and #2, as well as the bus-tie breaker. Maintenance was performed in accordance with the published Preventive Maintenance Instructions (PMI) (i.e., PMI FOR ITE-GOULD 480 VAC POWER CIRCUIT BREAKERS, TYPES K-225 THROUGH K-2000, AND TYPES K-600S THROUGH K-2000S 720/1090, DAY INSPECTION, REVISION 2, JUNE 20, 2013). Additionally, an automatic bus-tie test was done using the test switches to drop out the 27-Under voltage relay per the PMI (i.e., PMI FOR AUTOMATIC BUS TIE 480 VOLT AC SWITCHGEAR OPERATIONAL TEST SEMIANNUAL, REVISION 2, JUNE 20, 2013). 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 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	20171108-WMATA-AG-2		
	2017	11	08				
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	C-Line, Track 2, Pentagon (C07) to Arlington Cemetery (C06)						

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	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	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	X			
Line(s)	C-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
							Pentagon (C07)		Pentagon (C07)				
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: 2017.11.14 07:34:07 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Tino Sahoo



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 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, ADVANCED 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 (i.e., phone) that he was in place (i.e., 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 (i.e., 8-car marker or end gate). No exceptions were taken.</p> <p>The FWSO Inspector observed the WMATA RWIC request foul time for two "hot spots" (i.e., interlocking/no clearance, 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 RWIC and the Rail Operations Control Center (ROCC). The RWIC relinquished foul time once the mobile work crew completely walked through the "hot spot." No issues/concerns or exceptions were taken to the RWIC performing his duties. The RWIC was compliant with WMATA PERMANENT ORDER R-17-02, GRANTING FOUL TIME (FRIDAY APRIL 28, 2017).</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 Cable Inspection Observation					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										
	DD-TP-SSI-013										
	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	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	An FWSO Inspector observed WMATA personnel conducting a walking cable inspection on track 2 of the C-Line from Pentagon (C07) to Arlington Cemetery (C06).							Number of Defects	2		
								Recommended Finding?	Yes		
								Remedial Action Required?	Yes		
								Recommended Reinspection?	Yes		



	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none">• TRST 1000 Manual, 13.3.4: Third rail anchor arm broken at C2 202+00.• DD-TP-SSI-013: Sealing collar missing on four orange boot cable connector assemblies at C2 253+00. <p>Other Notable Observations:</p> <ul style="list-style-type: none">• Third rail end approach arcing at C1 219+00. (See Figure 1, below.)• Leaves surrounding cables and power conduit stub-ups at C2 258+00.• Leaves surrounding cables and power conduit stub-ups at C2 257+00.• Trash and leaves surrounding cables at C2 256+00.• Trash and debris surrounding cables at C2 253+00.• Trash and debris surrounding cables and cables lying on the ground at C2 239+00.• Cover board lying on expansion cables at C2 236+00.• Cables lying on the ground and one broken cable clamp/Kindorf strap at C2 197+00.		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must replace third rail anchor arm at C2 202+00.• WMATA must install sealing collar on four orange boot cable connector assemblies at C2 253+00.		

Photos



Figure 1: Third rail end approach arcing at C1 219+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	20171108-WMATA-AG-3		
	2017	11	08				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	New Carrollton Rail Service and Inspection Facility (D99)						

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				Activity Code	VM	SI	OBS	
Job Briefing Employee Name/Title	N/A	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0730 - 0930	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				
			Maintenance Procedure Task 25, Ultrasonic Leak Detection 8/25/17, Rev 0								
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			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	5024-5025 5148-5149		4								

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: 2017.11.14 07:39:21 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bill Hultsch	



Description	<p>An FWSO Inspector observed periodic inspections on rail cars 5024-5025 – a B-type inspection; and on rail cars 5148-5149 – an A1-type inspection.</p> <p>The FWSO Inspector did not note any defects.</p> <p>Other Notable Observations:</p> <p>The following observations were conducted:</p> <ol style="list-style-type: none"> 1. The FWSO Inspector noted that WMATA added a new task to its periodic inspection requirements (i.e. Task 25, Ultrasonic Leak Detection). This procedure was added to <i>all</i> of Metro’s car series and inspection types. The FWSO Inspector observed the new procedure being conducted. The mechanic performing the task used Task 25, Ultrasonic Leak Detection procedure dated 8/25/2017, Rev 0. The procedure required the use of a Spectronics Marksman II ultrasonic diagnostic monitoring tool. The tool had a current calibration sticker. The intent of this procedure was to locate air leaks in the pneumatic air system to reduce the number of “Brakes in Emergency” (BIE) events caused by pneumatic system failures. 2. The FWSO Inspector observed a mechanic performing Task 40.13.9 for an Automatic Train Control (ATC) software vital relay check. Relay calibration dates were checked and entered on the Task 40 form, version 1.6, dated 1/2/2016. 3. The FWSO Inspector observed a mechanic performing EMI 160296 KL Panel Wiring Modification. This modification removes the door control power from the KL panel to prevent inadvertent door operation when the environmental switch is not properly set to the “off” position. <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 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	20171109-WMATA-AG-1		
	2017	11	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]
Inspection Location	Archives (F02), 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 Archives (F02) – 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								
Line(s)	F-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To		
							Archives (F02)		Archives (F02)		
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: 2017.11.14 07:59:58 -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	Archives (F02) – Preventive 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		
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) 13.8 kV AC WESTINGHOUSE TYPE DHP AIR MAGNETIC BREAKER AND SWITCHGEAR – 720/1090 DAY INSPECTION (REVISION 2, JUNE 21, 2013)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								
Line(s)	F-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							Archives (F02) – TPSS		Archives (F02) – TPSS		
Vehicles	Head Car Number		Number of Cars		Equipment		480 VAC ABB (Manufacturer), Type MB16 Circuit Breaker				
	N/A		N/A								
Description	The FWSO Inspector observed WMATA power personnel perform preventive maintenance on the incoming line (i.e., utility feed) #2 and rectifier transformer #1 breakers. Maintenance was performed in accordance with the published Preventive Maintenance Instructions (PMI) (i.e., PMI 13.8 kV AC WESTINGHOUSE TYPE DHP AIR MAGNETIC BREAKER AND SWITCHGEAR – 720/1090 DAY INSPECTION, REVISION 2, JUNE 21, 2013). 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 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	20171109-WMATA-AG-2		
	2017	11	09				
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	N-Line, Track 1, K&N Junction (K98) to Spring Hill (N04)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-TWO-OB				
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 6034		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1530	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)	N-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							McLean (N01)		McLean (N01)		
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 FRAFWorthTX, ou=DOT FRAFWorthTX, cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 08:03:16 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa	



	TRST unit 6034 conducted a job safety briefing at the McLean (N01) station. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 did not note any defects.							Recommended Finding?		No	
								Remedial Action Required?		No	
								Recommended Reinspection?		No	
Remedial Action	N/A										
Inspection Activity #	2	Inspection Subject Walking Track Observation					Activity Code		TRK	TWO	OB
Job Briefing Employee Name/Title	TRST 6034			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1530	Outside Shift	No
Related Reports	Safety Directive 15-1			Related CAPS / Findings		CAPS: R-2-18-A, R-2-19-A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference	
	TRST-1000, rev. 6		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	X	
Line(s)	N-Line		Track 1		Chain Marker and/or Station(s)		From		To		
							K&N Junction (K98)		Spring Hill (N04)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	An FWSO Inspector observed WMATA and contractor personnel performing a track inspection between the K&N Junction (K98), N1 496+00, and Spring Hill (N04). The FWSO Inspector observed the inspector to be diligent with his duties. The following color-coded defect was identified: <ul style="list-style-type: none"> TRST 1000, Table 7-1: At N1 510+50, four consecutive loose fasteners measuring 126 inches between non-defective fasteners were identified. Based on the criteria specified in the TRST 1000 manual, rev. 6, the inspector listed this as a maintenance defect. Yellow Condition. The following non-color-coded defect was identified: <ul style="list-style-type: none"> T-16-07: At 11:19 a.m., chain marker: N1 617+00, a seven-series train, trailing car number 7380, did not sound its main line horn upon approaching the work group. It also did not appear to slow to the required 10 mph while passing the work group. Remedial action for this defect is addressed in WMATA's approach to CAP R-2-18-A and R-2-19-A. Other Notable Observations: <ul style="list-style-type: none"> On the N-Line throughout the aerial structures, direct fixation fasteners were beginning to show signs of failure, (i.e., loosening). Several areas have been identified and corrected. 							Number of Defects		2	
								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 tighten loose fasteners at N1 510+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	20171109-WMATA-AG-3		
	2017	11	09				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	New Carrollton Rail Service and Inspection Facility (D99)						

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					Activity Code	VM	SI	OBS
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0700 - 0930	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)	N/A	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							N/A		N/A		
Vehicles	Head Car Number		Number of Cars			Equipment	N/A				
	N/A		N/A								
Description	An FWSO Inspector performed an inspection of the Engineering and Testing Facility - Building B, as well as the main rail vehicle repair building.							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: 2017.11.17 08:37:22 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bill Hultsch		



	<p>Engineering and Testing Facility - Building B: Vehicles 5188-5189 were in the facility for Heating, Ventilation and Air Conditioning (HVAC) upgrades at the time of inspection. Portable car jacks were used, as there were no in-floor lifts in the facility. Safety stands were properly placed under all of the trucks still attached to the vehicle that was lifted. The facility was very well maintained. Car Track Equipment Maintenance (CTEM) is expected to take the facility over in December of 2017 to perform maintenance work on Class II vehicles.</p> <p>The FWSO Inspector also inspected the main rail vehicle repair building's permanent scaffolding. This was installed for servicing roof-mounted components on the 7000 series rail cars. The scaffolding was located in the wash-pit area and over an in-floor vehicle lift station. The scaffolding in the wash-pit areas had a ceiling heater that impeded mechanics from performing work. This heater needs to be relocated and work is pending. Also, the access ladders to the scaffolding from the floor-level grade did not have handrails. The steps were mounted at 180 degrees, as well, making it difficult and unsafe for mechanics to access the scaffolding. (Modifications to the access ladders is presently in design.) This scaffolding was currently not being used, and had warnings posted restricting any use. The scaffolding over the in-floor hoist had extenders that deployed to compensate for the gap between the scaffolding and rail car when the rail car was not lifted. When rail cars were lifted, the extenders that were on rollers rode on the vehicle profile, and lifted up and away from the rail car. The extender rollers were not functioning as intended, and new rollers were ordered. Use of this scaffolding was also restricted pending receipt and installation of new rollers.</p> <p>The FWSO Inspector did not note any defects.</p>	<p>Remedial Action Required?</p>	<p>No</p>
		<p>Recommended Reinspection?</p>	<p>No</p>
<p>Remedial Action</p>	<p>N/A</p>		



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	20171110-WMATA-AG-1		
	2017	11	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	D-Line, Tracks 1 and 2, New Carrollton (D13) to Landover (D12)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-GEN-OBS	TRK-RC-OBS				
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					Platform Track Inspection			Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	0800 – 1000	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													
	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)	D-Line	Track Number	Tracks 1 and 2		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: 2017.11.17 09:00:18 -05'00'	Date	
Inspector in Charge – Name	Adam Giovando		Inspection Team	Lee Emard	



Description	<p>An FWSO team member performed a platform observation of the track bed, cover board, Emergency Trip Station (ETS) and train approach lights, drainage, and general conditions.</p> <p>The FWSO Inspector did not note any defects.</p> <p>Other Notable Observations:</p> <ul style="list-style-type: none"> Tracks 1 and 2, at New Carrollton (D13): No train approach warning lights on the platform were working. Track 2, at New Carrollton (D13): At D2 598+50, the ballast was up to the base of the third rail. See Figure 1 below. Track 1, at Landover (D12): Twenty-six train approach warning lights on the platform were not working. Track 2, at Landover (D12): Fifty-six train approach warning lights on the platform were not working. 	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Advanced Mobile Flagger (AMF) Rules Compliance Observation					Activity Code	TRK	RC	OBS
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1000 – 1400	Outside Shift	No	
Related Reports	Safety Directive 15-1 20170516-WMATA-WP-1		Related CAPS / Findings			CAP R-2-18-A and R-2-19-A Remedial Action ID #: 1308					
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	RWPM	R-17-03									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	D- and G-Lines	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Landover (D12)			Benning Road (G01)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO Inspectors observed multiple AMFs for compliance with Permanent Order R-17-03 (Advanced Mobile Flagger).</p> <p>AMF (Unit 6042) at Landover (D12) on track 2: The FWSO Inspector observing the AMF (Unit 6042) at Landover (D12) on track 2 noted compliance with the requirements of R-17-03. The AMF had all required personal protective equipment (PPE) – including the flashing amber lantern and orange flag – and was positioned at the 8-car marker. The FWSO Inspector verified that the AMF was Level-4 qualified, and had established communication with the RWIC. The AMF communicated with each operator, as required by R-17-03. No exceptions were taken with the duties performed by the AMF.</p> <p>AMF (Unit 6014) at Minnesota Ave. (D09) on track 2: The FWSO Inspector observing the AMF (Unit 6014) at Minnesota Ave. (D09) on track 2 noted noncompliance with the requirements of R-17-03. The AMF had all required personal protective equipment (PPE) – including the flashing amber lantern and orange flag – but was not positioned at the 8-car marker; he was on standby. The FWSO Inspector verified that the AMF was Level-4 qualified, and had established communication with the RWIC. When the FWSO Inspector was checking the AMFs equipment, the WMATA supervisor had arrived at the station. He advised the AMF (Unit 6014) that he needed to be set up and that the inspection crew was on the track. The AMF got in position at the 8-car marker and called the RWIC (Unit 6336) as well as the Rail Operations Control Center (ROCC). The FWSO Inspector observed the AMF (Unit 6014) performing his duties after he was set up. The AMF communicated with each operator, as required by R-17-03.</p>						Number of Defects	2			
							Recommended Finding?	Yes			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			



	<p>The WMATA supervisor met the inspector at Benning Road (G01) and spoke to the other AMF and RWIC to find out where the miscommunication took place.</p> <p>AMF (Unit 6145) at Benning Road (G01) on track 2: The FWSO Inspector observing the AMF (Unit 6145) at Benning Road (G01) on track 2 noted compliance with the requirements of R-17-03. The AMF had all the required personal protective equipment (PPE) – including the flashing amber lantern and orange flag –and was positioned at the 8-car marker. The FWSO Inspector verified that the AMF was Level-4 qualified, and had established communication with the RWIC. The AMF communicated with each operator as required by R-17-03. No exceptions were taken with the duties performed by the AMF.</p> <p>The following non-color-coded defects were noted by the inspector assigned to the AMF:</p> <ul style="list-style-type: none"> • AMF (Unit 6014) was not in position at the 8-car marker due to the miscommunication with the RWIC (Unit 6336). The RWIC stated that the AMF had confirmed he was in position by cell phone before entering the roadway. Remedial Action for this defect is addressed in WMATA's approach to remedial action ID #1308. • At 1003 hours, train 406's operator in lead car 3085, failed to properly sound the horn approaching the Benning Road (G01) station to acknowledge the AMF. The operator did not sound the horn continuously when leaving platform or proceed at half-track speed. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 		
<p>Remedial Action</p>	<p>N/A</p>		



Photos:



Figure 1: Ballast under third rail touching base of rail at New Carrollton Station (D13) at D2 598+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	20171111-WMATA-AG-1		
	2017	11	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	A- and G-Line Shutdown Areas						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6271			Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0800 - 1200	Outside Shift	Yes				
Related Reports	N/A			Related CAPS / Findings			N/A								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard			Other / Title		Checklist Reference					
	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	Track 1		Chain Marker and/or Station(s)		From			To				
								Medical Center (A10)			Medical Center (A10)				
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: 2017.11.17 10:11:40 -05'00'	Date		
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa		



Description	TRST unit 6271 conducted a job safety briefing at the Medical Center (A10) briefing table. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Work Zone Setup and General Track Inspection				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST 6216		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 - 1200	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	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)	A-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Medical Center (A10)		Grosvenor-Strathmore (A11)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	The FWSO Inspector conducted a work zone setup and general track inspection between Medical Center (A10) and Grosvenor-Strathmore (A11). All work zone setups were fully compliant with WMATA requirements and in the correct locations. All roadway workers observed were working safely and had all required personal protective equipment (PPE). The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At A2 443+00, a tunnel leak in the frog and guard rail area of the switch was observed. TRST 1000, 3.1.2.2: At A2 442+10, at the A10-06 signal, pooling water was not draining, as designed. TRST 1000, 5.11.4: At A2 445+90, on the third rail side under the cement steps, there was a pipe leaking. This condition was allowing corrosion in the base and web of the rail. 							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 repair the tunnel leak at A2 443+00. WMATA must repair the pooling water condition at A2 442+10 at the A10-06 signal. WMATA must repair the leaking pipe at A2 445+90 and evaluate the rail condition. 										

Inspection Activity #	3	Inspection Subject	Work Zone Setup and General Track Inspection				Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6216		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 - 1200	Outside Shift	Yes
Related Reports	N/A		Related CAPS / Findings	N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRST-1000, rev. 6									
	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)	G-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)	From			To			
					Addison Road (G03)			Addison Road (G03)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	The FWSO Inspector conducted a work zone setup and general track inspection at Addison Road (G03). All work zone setups were fully compliant with WMATA requirements and in the correct locations. All roadway workers observed were working safely and had all required personal protective equipment (PPE). 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 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	20171113-WMATA-AG-1		
	2017	11	13				
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	Metro Center (C01), track 2, platform						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	Rules Compliance Observation				Activity Code	TRK	RC	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	1000 - 1400	Outside Shift	No	
Related Reports	Safety Directive 15-1		Related CAPS / Findings	CAPS: R-2-18-A, R-2-19-A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	RWPM	Permanent Order R-17-03									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X						X		
Line(s)	C-Line	Track Number	Track 2		Chain Marker and/or Station(s)	From			To		
						Metro Center (C01)			Metro Center (C01)		
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: 2017.11.17 09:48:40 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa



Description	<p>An FWSO Inspector observed WMATA Advanced Mobile Flagger (AMF), unit 6470, instructing train operators at Metro Center (C01). The AMF was observed in full compliance with the requirements set forth in Permanent Order No. R-17-03.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • Permanent Order R-17-03: At 1149 hours, head end train number 6039 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • Permanent Order R-17-03: At 1206 hours, head end train number 7126 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • Permanent Order R-17-03: At 1212 hours, head end train number 2031 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • Permanent Order R-17-03: At 1222 hours, head end train number 3008 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	Number of Defects	4
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes
Remedial Action	N/A		



Inspection Form

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

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171114-WMATA-AG-1		
	2017	11	14				
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, Track 1, Silver Spring (B08) to Brookland-CUA (B05)						

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	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 6030			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										
Line(s)	B-Line	Track Number	Track 1		Chain Marker and/or Station(s)	From			To				
						Silver Spring (B08)	Silver Spring (B08)						
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: 2017.11.21 14:18:01 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa



Description	TRST unit 6030 conducted a job safety briefing at the Silver Spring (B08) station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Walker Observation				Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6030		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, 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)	B-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Silver Spring (B08)			Brookland-CUA (B05)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector observed WMATA and contractor personnel performing a track inspection on track 1 of the B-Line between Silver Spring (B08) and Brookland-CUA (B05) stations. The contractor inspector was diligent and attentive while performing the inspection. The following non-color-coded defect was observed: <ul style="list-style-type: none"> TRST 1000, 13.3.14: At B1 450+00, near the B08-04 signal, the end approach cover board was missing. A remedial action for this defect was addressed in WMATA's approach to Remedial Action ID#: 1413. 							Number of Defects	1		
								Recommended Finding?	Yes		
								Remedial Action Required?	Yes		
								Recommended Reinspection?	Yes		
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must replace the missing third rail end approach cover board at B1 450+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	20171114-WMATA-AG-2		
	2017	11	14				
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	C- and K-Lines, Track 1, Rosslyn (C05) to Clarendon (K02)						

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	0				
Recommended Finding	No	No				
Remedial Action Required ¹	No	No				
Recommended Reinspection	No	No				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Rosslyn (C05) - 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					
Line(s)	C-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To					
							Rosslyn (C05)		Rosslyn (C05)					
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: 2017.11.21 14:24:24 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Tino Sahoo



Description	<p>FWSO personnel received a job safety briefing from the WMATA roadway worker in charge (RWIC) at Rosslyn (C05). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked, and the working limits 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 (i.e., phone) that he was in place (i.e., 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 (i.e., 8-car marker or end gate). No exceptions were taken.</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	Cable Inspection Observation				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										
	DD-TP-SSI-013										
	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)	C- and K-Lines	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Rosslyn (C05)			Clarendon (K02)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector observed WMATA personnel conducting a walking cable inspection on track 1 of the C- and K-Lines from Rosslyn (C05) to Clarendon (K02).						Number of Defects	0			
	The FWSO Inspector did not note any defects.						Recommended Finding?	No			
	Other Notable Observations:						Remedial Action Required?	No			
	<ul style="list-style-type: none"> Cables lying on the ground and trash/leaves/debris surrounding cables at C1 146+00. Trash and debris surrounding cables at K1 166+00. Cables lying on the ground and trash/leaves surrounding cables at K1 223+00. 						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	20171114-WMATA-JM-1		
	2017	11	14				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	E- and F-Lines, Brach Ave. (F11) to Columbia Heights (E04)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	11					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	RI	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1914 - 2050	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings		CAPs R-2-18-A and R-2-19-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					X	X	X	
Line(s)	F- and E-Lines	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
						Branch Avenue (F11)		Columbia Heights (E04)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	2007, 2021, 6046, 6018		6,6,6,6								
Description	The FWSO Inspector performed four night-time riding inspections beginning on the Green Line at Navy Yard-Ballpark (F05) to Branch Avenue (F11); then to						Number of Defects		11		
							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	JOHN PHILIP MAYSER		Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.05 08:28:10 -08'00'
Inspector in Charge - Name John Mayser	Inspection Team John Mayser		



	<p>Columbia Heights (E04), and back to the Navy Yard-Ballpark (F05) station. The FWSO Inspector rode in the cab lead car.</p> <p>Lead Car 2007: The FWSO Inspector observed the train with lead car 2007 from 1914 – 1934 hours, track 2, operating from Navy Yard-Ballpark (F05) to Branch Avenue (F11). The train operator properly sounded the horn, acknowledged track employees working on track 1 approaching Branch Avenue (F11), and maintained the appropriate speed. The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required.</p> <p>Lead Car 2021: The FWSO Inspector observed train with lead car 2021 from 1941 – 2021 hours, tracks 1 and 2, operating from Branch Avenue (F11) to L’Enfant Plaza (F03). The train operator properly sounded the horn, acknowledged track employees working on track 1 approaching Suitland (F10) station, and maintained the appropriate speed. The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required.</p> <p>Lead Car 6046: The FWSO Inspector observed train with lead car 6046 from 2015 – 2026 hours, track 2, operating from L’Enfant Plaza (F03) to Columbia Heights (E04). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required.</p> <p>Lead Car 6018: The FWSO Inspector observed train with lead car 6018 from 2033 – 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard-Ballpark (F05).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.122: Operator of train with lead car 2021 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Branch Avenue (F11) station on track 2. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. • The train operator of lead car 6018 exhibited excellent train handling skills. 		
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	20171115-WMATA-AG-1		
	2017	11	15				
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, Track 2, NoMa-Gallaudet U. (B35) 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	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 6022			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)	B-Line		Track Number	N/A	Chain Marker and/or Station(s)			From		To			
								NoMa-Gallaudet U. (B35)		NoMa-Gallaudet U. (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: 2017.11.21 14:42:46 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando				
Inspection Team	Adam Giovando, Ken Sgroi, Mike Vitale				



Description	<p>FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at NoMa-Gallaudet U. (B35) prior to entering the roadway. The briefing covered the type of on-track protection (i.e. Train Approach Warning (TAW)), working limits, where to clear, known hazards and hotspots, safety rule of the day, location of nearest hospital, check of personal protective equipment (PPE), and roadway worker protection (RWP) ID.</p> <p>The FWSO Inspectors 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	Walking Track Inspection				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6022		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										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X		X	
Line(s)	B-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						NoMa-Gallaudet U. (B35)	Rhode Island Ave. (B04)				
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 B-Line between NoMa-Gallaudet U. (B35) and Rhode Island Ave. (B04) to inspect track conditions.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 5.14.5: Broken insulated joint bar was observed at B2 131+80. Red Condition. TRST 1000, Table 7-1: Over 196 inches between effective fasteners was observed on the right rail between B2 144+00 and 145+00. See Figures 1 and 2 below. Black Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 5.11.7: Spalling and a small crack in the head of the straight closure rail of the 11A switch was observed at B2 116+20. See Figures 3 and 4 below. TRST 1000, 5.11.7: Rail spalling was observed on the right rail at B2 142+70. TRST 1000, 13.3.4: Broken third rail anchor arm was observed at B2 152+40. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> Deteriorating F-17 type fasteners were noted between B2 151+20 and 154+00. These fasteners also appeared to be set within the grout pad. See Figure 5 below. 						Number of Defects	5			
							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 insulated joint bar at B2 131+80. WMATA must replace defective fasteners on the right rail between B2 144+00 and 145+00. WMATA must address rail spalling on the straight closure rail of the 11A switch at B2 142+70. WMATA must address rail spalling on the right rail at B2 142+70. WMATA must replace broken third rail anchor arm at B2 152+40. 										



Photos



Figures 1 and 2: Defective fasteners and deteriorating grout pad between B2 144+00 and 145+00.



Figures 3 and 4: Spalling and rail head crack on the straight closure rail of the 11A switch at B2 116+20.



Figure 5: Deteriorating F-17 fasteners between B2 151+20 and 154+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	20171115-WMATA-AG-2		
	2017	11	15				
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	Bethesda (A09) Traction Power Substation (TPSS), and Track 1						

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	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	TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA Power Personnel		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								
Line(s)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						Bethesda (A09)		Bethesda (A09)			
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: 2017.11.21 15:05:59 -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 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	Emergency Trip Station (ETS) Relay Cabinet Corrective Maintenance				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	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			
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			
					Bethesda (A09) TPSS A1 397+00			Bethesda (A09) TPSS A1 403+00			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO Inspector observed WMATA power personnel troubleshooting the Emergency Trip Station (ETS) relay cabinet. The repair was made to fix a relay sending a constant trip (i.e., "open") signal to direct current (dc) feeder breaker #33 at the Bethesda (A09) TPSS and dc feeder breaker #43 (which is located at the Medical Center (A10) Tie-Breaker Station (TBS)).</p> <p>WMATA personnel were able to diagnose the problem as a bad wire (either between the ETS relay cabinet and a junction box located wayside), or a bad wire from the junction box to ETS box A109. No spare wires were available to replace the bad wires.</p> <p>Once a new wire is pulled and connected, WMATA ETS Crew will test the relays to ensure they are working properly.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, rev. 6, 3.1.2.5: The FWSO Inspector and WMATA power personnel noted that ETS box A109, located at A1 402+76, was inoperable. 						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 ETS box A109 at A1 402+76. 										



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	20171116-WMATA-AG-1		
	2017	11	16				
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	L'Enfant Plaza (F03) – Alternating Current (AC) Switchboard Room (SWBD) #1						

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	L'Enfant Plaza (F03) – Job 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	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			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								
Line(s)	F-Line	Track Number	N/A		Chain Marker and/or Station(s)	From		To			
						L'Enfant Plaza (F03)		L'Enfant Plaza (F03)			
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: 2017.11.21 15:10:52 -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 at L'Enfant Plaza (F03). 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	Corrective Maintenance				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	Yes	

Related Reports	N/A	Related CAPS / Findings	N/A
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Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard	Other / Title	Checklist Reference
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI), AUTOMATIC BUS TIE 480 VOLT AC SWITCHGEAR OPERATIONAL TEST SEMIANNUAL (REVISION 2, JUNE 20, 2013)				

Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								

Line(s)	F-Line	Track Number	N/A	Chain Marker and/or Station(s)	From		To	
					L'Enfant Plaza (F03) – AC SWBD Room #1		L'Enfant Plaza (F03) – AC SWBD Room #1	

Vehicles	Head Car Number	Number of Cars	Equipment
	N/A	N/A	

Description	<p>The FWSO Inspector observed WMATA's power personnel performing corrective maintenance on the bus tie breaker on the Federal Pacific Electric (FPE) AC switchgear #1.</p> <p>The FWSO Inspector observed WMATA power personnel do a bus tie breaker test using test switches to simulate the loss of utility power to the AC #1 incoming line breaker. This was done to ensure the main-tie-main automatic transfer scheme was working properly. The bus tie breaker did not close automatically when the utility feed was dropped out.</p> <p>WMATA power personnel troubleshot the problem. They found that the most likely cause of the failed bus tie test was a burned-out trip coil on the secondary main breaker that would prevent the bus tie breaker from automatically closing.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> PMI Automatic Bus Tie 480 Volt AC Switchgear: The bus tie breaker did not close automatically while testing the main-tie-main automatic transfer scheme. 	Number of Defects	1
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes

Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must fix the automatic closing of bus tie breakers if a utility feed is lost on either AC switchgear #1 or #2.
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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	20171116-WMATA-AG-2		
	2017	11	16				
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	E-Line, Track 2, College Park (E09) to Greenbelt (E10)						

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	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 6474				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0600	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)	E-Line		Track Number	N/A	Chain Marker and/or Station(s)			From		To			
								College Park (E09)		College Park- (E09)			
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: 2017.11.21 15:28:11 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard



Description	TRST unit 6474 conducted a job safety briefing at the College Park(E09) station parking lot. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6474		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0600	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				
	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		X	
Line(s)	E-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					College Park (E09)			Greenbelt (E10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector performed a track walking observation and general inspection of track conditions on track 2 of the E-Line between College Park-(E09) and Greenbelt (E10). The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.1.2.5: At E2 588+00, the Emergency Trip Station (ETS) light was out at ETS box 162 on track 2. TRST 1000, 13.3.15: At E2 653+30, the end third rail cover board was missing on the kicker rail. TRST 1000, 13.3.15: At E2 657+40, the end third rail cover board was missing. TRST 1000, 13.3.15: At E2 659+20, the end third rail cover board was missing. 						Number of Defects	4			
							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 repair third rail ETS light at E2 588+00, ETS box 162. WMATA must install an end cover board on the third rail at E2 653+30. WMATA must install an end cover board on the third rail at E2 657+40. WMATA must install an end cover board on the third rail at E2 659+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	20171116-WMATA-JM-1		
	2017	11	16				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	F- and C- Lines, Archives (F02) to Eisenhower Ave. (C14)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	9					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	R1	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	2025 – 2139	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings	CAPs R-2-18-A and R-2-19-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					X	X	X	
Line(s)	F- and C- Lines	Track Number	Tracks 1 And 2	Chain Marker and/or Station(s)			From	To			
							Archives (F02)	Eisenhower Ave. (C14)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	2043, 3058, 3062		6, 6, 6								
Description	The FWSO Inspector performed three night-time riding inspections beginning on the Yellow Line at Archives (F02) to Eisenhower Avenue (C14); then to L'Enfant Plaza (F03). The FWSO Inspector rode in the cab lead car.						Number of Defects	9			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	Yes			

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Inspector in Charge - Signature	JOHN PHILIP MAYSER		Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.05 08:29:32 -08'00'
Inspector in Charge - Name John Mayser	Inspection Team John Mayser		



	<p>Lead Car 2043: The FWSO Inspector observed train with lead car 2043 from 2025 – 2039 hours, track 2, operating from Archives (F02) to Crystal City (C09).</p> <p>Lead Car 3058: The FWSO Inspector observed train with lead car 3058 from 2050 – 2106 hours, track 2, operating from Crystal City (C09) to Eisenhower Avenue (C14). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required.</p> <p>Lead Car 3062: The FWSO Inspector observed train with lead car 3062 from 2116 – 2139 hours, track 1, operating from Eisenhower Avenue (C14) to L’Enfant Plaza (F03). The train operator properly responded to the continual loss of speed commands.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 4.33: Operators of trains with lead cars 2043, 3058, and 3062 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 3058 and 3062 did not sound the horn approaching tunnel openings on tracks 1 and 2 from Crystal City (C09) to Eisenhower Avenue (C14) and Eisenhower Avenue to L’Enfant Plaza (F03). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 3058 did not see the Automatic Train Approach Warning System operate (ATAWS) at King Street and did not contact the ROCC to report the ATAWS on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • A continual loss of speed commands occurred on tracks 1 and 2 on the Yellow Line from Archives (F02) to Eisenhower Avenue (C14) track 2 and from Eisenhower Avenue (C14) to L’Enfant Plaza (F03) track 1 on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. 		
<p>Remedial Action</p>	<p>N/A</p>		

Photos:



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	20171117-WMATA-AG-1		
	2017	11	17				
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	D1 593+50 to D1 578+50						

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	TRST 6111			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1130	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		N/A	Chain Marker and/or Station(s)			From		To				
		N/A					New Carrollton (D13)		New Carrollton (D13)					
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: 2017.11.28 11:10:01 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Alexander Nepa



Description	A TRST roadway worker in charge (RWIC) conducted a job safety briefing at New Carrollton Station platform (D13). The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Walking Observation				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST 6111		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 - 1130	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										
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			
					D1 593+50			D1 578+50			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector accompanied WMATA personnel conducting a track inspection between New Carrollton (D13) and Deanwood (D10). All personnel were instructed to clear the roadway due to a track emergency when the inspection group was at D1 578+50. During the time observed, the inspector was diligent and attentive while performing his duties. 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 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	20171117-WMATA-AG-2		
	2017	11	17				
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	C&J Junction (C97) Traction Power Substation (TPSS), C1 574+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	Job Safety Briefing				Activity Code	TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA 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)	C-Line	Track Number	N/A		Chain Marker and/or Station(s)	From		To			
						C&J Junction (C97) TPSS		C&J Junction (C97) TPSS			
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: 2017.11.28 11:14:46 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Tino Sahoo



Description	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 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	Cable Replacement				Activity Code	TP	RM	OBS	
Job Briefing Employee Name/Title	WMATA 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			
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	C-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					C&J Junction (C97)			C1 574+00			
Vehicles	Head Car Number		Number of Cars		Equipment	Positive Feeder Cable (1000 MCM, 2kV, shielded)					
	N/A		N/A								
Description	The FWSO Inspector observed electrical contractors and WMATA power personnel terminate one positive feeder cable (1000 MCM) on breaker 32 at the C&J Junction (C97) TPSS, and utilized the Cadweld process to connect the wayside feeder cable whip to the steel third rail at C1 574+00. Termination included stripping the cable, crimping on a copper terminal lug, applying heat shrink (using a propane torch where the terminal lug and insulating jacket of the cable meet), and then landing the cable with lug on the load side of the breaker. 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 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	20171117-WMATA-JM-1		
	2017	11	17				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	F- and E- Lines, Navy Yards (F05) to Greenbelt (E10)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	9					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	R1	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1500 – 1635	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings	CAPs R-2-18-A and R-2-19-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					X	X	X	
Line(s)	F- and E- Lines		Track Number	Tracks 1 And 2	Chain Marker and/or Station(s)	From		To			
						Navy Yard (F05)		Greenbelt (E10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	6041, 6026, 6112, 6124		6, 8, 8, 8								
Description	The FWSO Inspector performed four day-time riding inspections beginning on the Blue Line at Navy Yards (F05) to Greenbelt (E10), then back to Navy Yards (F05). Tracks 1 and 2 were utilized. The FWSO Inspector rode in the cab lead car.						Number of Defects		9		
							Recommended Finding?		No		
							Remedial Action Required?		No		

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Inspector in Charge - Signature	JOHN PHILIP MAYSER		Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.05 08:30:39 -08'00'
Inspector in Charge - Name John Mayser	Inspection Team John Mayser		



	<p>Lead Car 6041: The FWSO Inspector observed train with lead car 6041 from 1500 – 1521 hours, track 1, operating from Navy Yards (F05) to Columbia Heights (E03). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as required.</p> <p>Lead Car 6026: The FWSO Inspector observed train with lead car 6026 from 1524 – 1543 hours, track 1, operating from Columbia Heights (E04) to Greenbelt (E10).</p> <p>Lead Car 6112: An FWSO Inspector observed train with lead car 6112 from 1553 – 1612 hours, tracks 1 and 2, operating from Greenbelt (E10) to U. Street (E03).</p> <p>Lead Car 6124: An FWSO Inspector observed train with lead car 6124 from 1621 – 1635 hours, track 2, operating from U. Street (E03) to Navy Yards (F05).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operators of trains with lead cars 6041, 6026, 6112, and 6124 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 4.33: Operator of train with lead car 6026 did not have the roadway worker protection (RWP) Level-2 Card in his possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 4.33: Operators of train with lead cars 6041 and 6026 did not have their required flashlights in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operators of trains with lead cars 6112 and 6026 did not sound the horn approaching tunnel openings on tracks 1 and 2 from Greenbelt (E10) to U. Street (E03). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • The train operator of Lead Car 6112 picked up his train at Greenbelt. The train was previously used for service that day. The operator was unable to transmit on the trains primary radio and was compelled to use his handheld radio. He properly informed the ROCC of the primary radio malfunction in accordance with MSRPH 1.82. 	<p>Recommended Reinspection?</p>	<p>Yes</p>
<p>Remedial Action</p>	<p>N/A</p>		

Photos:



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	20171118-WMATA-AG-1		
	2017	11	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]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	G-Line, Track 1, Benning Road (G01) to Capitol Heights (G02)						

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	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 6457			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 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				
Line(s)	G-Line	Track Number	N/A		Chain Marker and/or Station(s)			From		To				
								Benning Road (G01)		Benning Road (G01)				
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: 2017.11.21 15:48:18 -05'00'	Date
Inspector in Charge - Name	Adam Giovando			
Inspection Team	Ken Sgroi, Alexander Nepa, Lee Emard			



Description	TRST unit 6457 conducted a job safety briefing at the Benning Road (G01) station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 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	Track Inspection				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST 6457		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900 - 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			
	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)	G-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Capitol Heights (G02)			Benning Road (G01)			
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 on the G-Line between Capitol Heights (G02) and Benning Road (G01) to follow up on observations from a train ride quality observation.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 7.1: At G1 414+00, three consecutive non-holding fasteners on both rails (directly across from each other) were observed. This condition was allowing a ½-inch dynamic vertical deflection. Red Condition. TRST 1000, 7.1: At G1 409+30, at the joint on the left rail, there were no fasteners supporting the rail joint. Directly across on the right rail, there were three consecutive non-holding, defective fasteners. Additionally, due to the shims used on the left rail to match the third rail, the rail joint was suspended 1-7/8 inches from the fastener. See Figure 1 below. Red Condition. TRST 1000, 7.1: Between G1 408+10 and 408+20 on the left rail, seven consecutive, defective, non-holding fasteners were observed. The distance measured between holding fasteners was more than 200 inches. Additionally, the left rail was not seated in the fasteners for 170 inches, allowing dynamic vertical deflection in the rail profile as well as a negative cant condition in the high (i.e., right) rail. Silting from old boreholes was observed in the gauge of the track. See Figures 2 and 3 below. Black Condition. TRST 1000, Table 5-21: At G1 412+50, on the right rail joint, two loose bolts on the same side were observed. Red Condition. <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At G1 411+00, a tunnel leak was observed leaking on the right rail. <p>Notable Observations</p> <ul style="list-style-type: none"> Between G1 412+00 and 411+00, numerous failed studs and fasteners were observed in the newly-installed elastic fasteners. At G1 409+00, on the right rail, mud/silt accumulation contacting the third rail and running rail was observed. See Figures 4 and 5 below. 	Number of Defects	5
		Recommended Finding?	Yes
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes

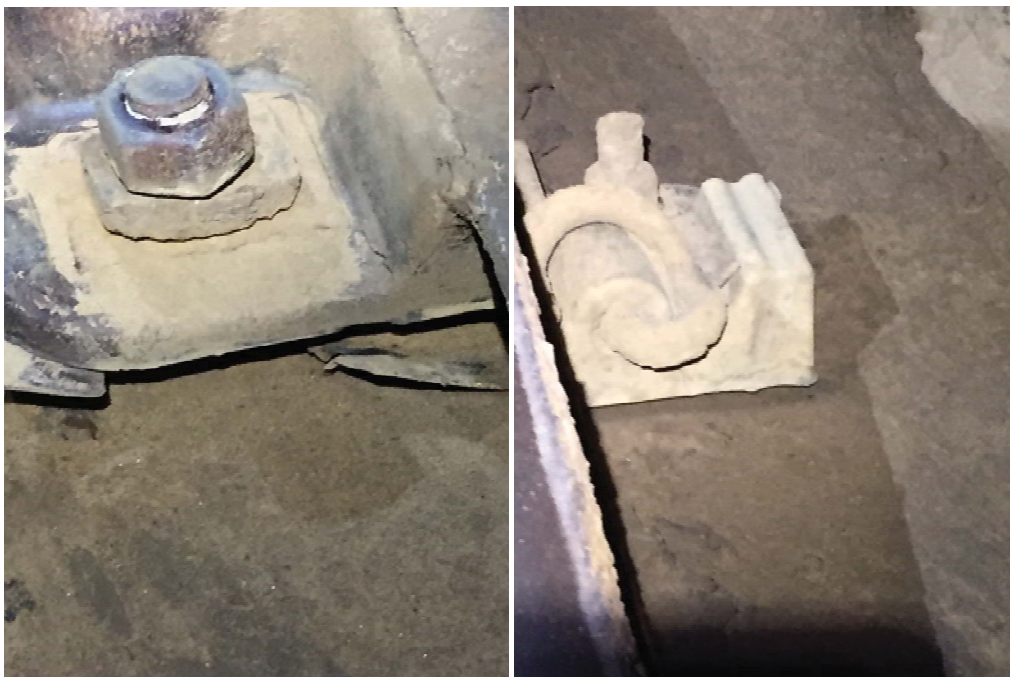


Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">• WMATA must repair the defective fasteners at G1 414+00.• WMATA must repair the defective fasteners at G1 409+30.• WMATA must repair the defective fasteners between G1 408+10 and 408+20.• WMATA must tighten the loose bolts on the joint bar at G1 412+50.• WMATA must repair the tunnel leak at G1 411+00.
------------------------	--

Photos



Figure 1: Rail joint at G1 409+30 suspended 1-7/8 inches from seat in elastic fasteners and not supported.



Figures 2 and 3: Sample of conditions between G1 408+10 and 408+20 elastic fastener and rail suspended from grout pad.



Figures 4 and 5: Mud/Silt contacting the third rail at G1 409+00, and showing signs of electric oxidation.



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	20171121-WMATA-AG-1		
	2017	11	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	E-Line, Track 2, West Hyattsville (E07) to College Park – U. of MD (E09)						

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				West Hyattsville (E07) - 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	X			
Line(s)	E-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
							West Hyattsville (E07)		College Park (E09)				
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: 2017.12.01 07:06:26 -05'00'	Date	
Inspector in Charge – Name	Adam Giovando	Inspection Team	Tino Sahoo		



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 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 (i.e., phone) that he was in place (i.e., 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 (i.e., 8-car marker or end gate). No exceptions were taken.</p> <p>The FWSO Inspector observed the WMATA RWIC request foul time for six "hot spots" (i.e., portal, curve: restricted view, interlocking, portal approach, and no clearance) encountered during mobile work crew's cable inspection walk. One hundred percent repeat back did occur on radio communication between RWIC and the Rail Operations Control Center (ROCC). The RWIC relinquished foul time once the mobile work crew completely walked through the "hot spot." No issues/concerns or exceptions were taken to the RWIC performing his duties. The RWIC was compliant with WMATA PERMANENT ORDER R-17-02, GRANTING FOUL TIME (FRIDAY APRIL 28, 2017).</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	Cable Inspection Observation				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										
	DD-TP-SSI-013										
	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	X	
Line(s)	E-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					West Hyattsville (E07)			College Park (E09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector observed WMATA personnel conducting a walking cable inspection on track 2 of the E-Line from West Hyattsville (E07) to College Park (E09).						Number of Defects	4			
							Recommended Finding?	Yes			
							Remedial Action Required?	Yes			



	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal unistrut channel (i.e., Kindorf) at E2 372+00. • EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal Unistrut channel (i.e., Kindorf) at E2 402+00. • EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal Unistrut channel (i.e., Kindorf) at E1 402+00. • DD-TP-SSI-013: Feeder cable whip terminal lug and compression fastener (i.e., Huck bolt) connection to the 3rd rail was slightly damaged at E2 424+00. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • Trash and debris were surrounding the cables which were lying on the ground at E2 392+00. • Cables were lying on the ground at E2 402+00 and E1 402+00. • Cables were lying on the ground at E2 412+00. • Cables were lying on the ground at E2 413+00. • Trash and debris were surrounding cables which were lying on the ground at E2 414+00. • Trash and debris were surrounding cables and power conduit stub-ups at E2 424+00. • Trash and debris were surrounding cables and power conduit stub-ups at E2 425+00. • Trash and debris were surrounding cables and power conduit stub-ups as well as the cables lying on the ground at E2 441+00. • Debris was surrounding cables and power conduit stub-ups at E2 498+00. • Mud and debris was surrounding cables and power conduit stub-ups at E2 504+00. 	<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 install cables per EMI at E2 372+00. • WMATA must install cables per EMI at E2 402+00. • WMATA must install cables per EMI at E1 402+00. • WMATA must replace the terminal lug and compression fastener (i.e., Huck bolt) connection to the 3rd rail at E2 424+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	20171122-WMATA-AG-1		
	2017	11	22				
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	Benning Road (G01) Tie Breaker Station (TBS)						

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	Benning Road (G01) – Job 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	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								
Line(s)	G-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Benning Road (G01) TBS			Benning Road (G01) TBS			
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: 2017.12.01 07:12:16 -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 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	Preventive Maintenance Observation				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	Yes
Related Reports	N/A			Related CAPS / Findings		N/A					
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								X
Line(s)	G-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Benning Road TBS (G01)			Benning Road TBS (G01)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	The FWSO Inspector observed WMATA power personnel perform an operational test of all Emergency Trip Station (ETS) boxes wayside associated with the direct current (DC) feeder breakers in the Benning Road (G01) tie breaker. The test ensures that when the button is pushed in each ETS box, the feeder breaker(s) associated with that ETS box trip in the tie breaker, de-energizing the 3 rd rail. Tripping of feeder breakers occur via the ETS relay cabinet as a relay receives the "trip signal" whenever a button is pushed. The relay "drops out", and this in turn sends the control signal to the appropriate breaker for it to trip (or "open") and de-energizes the 3 rd rail. The DC switchgear (Powell – manufacturer) and breakers (type: NDC) in the tie breaker are newly installed. 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 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	20171122-WMATA-AG-2		
	2017	11	22				
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	Wheaton (B10) Tie Breaker Station (TBS)						

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					Wheaton (B10) – 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			
	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)	B-Line	Track Number	N/A		Chain Marker and/or Station(s)	From			To					
			Wheaton (B10) TBS			Wheaton (B10) TBS								
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: 2017.12.01 07:14:02 -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 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	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								
Line(s)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Wheaton (B10) TBS			Wheaton (B10) TBS			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	The FWSO Inspector observed WMATA power personnel troubleshoot feeder breaker 41 (Controlled Power Corporation (CPC) – manufacturer) in the direct current (DC) switchgear that was unable to be tripped remotely by the Rail Operations Control Center (ROCC).						Number of Defects	0			
	WMATA power personnel were able to fix the issue, as the main operating relay (201x) was found to be defective and was replaced. Remote tripping capability by the ROCC was functional.						Recommended Finding?	No			
	The FWSO inspector and WMATA personnel did not note any defects.						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	20171128-WMATA-AG-1		
	2017	11	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]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C and J Lines, Track 1, King Street (C13) to Van Dorn (J02)						

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	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 6036				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 - 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			
Line(s)	C- and J- Lines		Track Number	N/A	Chain Marker and/or Station(s)			From		To			
								Alexandria Yard (C99), Trailer 1		Alexandria Yard (C99), Trailer 1			
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: 2017.12.01 07:17:56 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



Description	TRST unit 6036 conducted a job safety briefing at Alexandria Yard (C99), trailer 1. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 Inspectors 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	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6036		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 - 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		
	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	X	
Line(s)	C- and J-Lines	Track Number	Track 1	Chain Marker and/or Station(s)	From		To				
					King Street (C13)		J1 584+90				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector observed WMATA contractors perform a track inspection on track one of the C and J lines between King Street (C13) and Van Dorn Street (J02). The FWSO Inspector observed that the contractors were competent and knowledgeable of track conditions.						Number of Defects	2			
	The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.1.2.5: At J1 576+90, an Emergency Trip Station (ETS) light was out at box J-19. TRST 1000, 3.1.2.5: At J1 584+90, an ETS light was out at box J-21. 						Recommended Finding?	Yes			
							Other Notable Observations: At 1052 hours, the Rail Operations Control Center (ROCC) issued a Code 34, Loss of Supervisory Control and Data Acquisition (SCADA), and ordered all inspection personnel off the mainline. The FWSO Inspector and inspection crew exited through the emergency exit gate at J1 584+90 and walked back to Alexandria Yard (C99).				
	Remedial Action To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must repair the ETS light at J1 576+90, box J-19. WMATA must repair the ETS light at J1 584+90, box J-21. 										



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	20171128-WMATA-JM-1		
	2017	11	28				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	F- and K-Lines, L'Enfant Plaza (F03) to Vienna (K08)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	12					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	RI	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1912 - 2050	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings		CAPs R-2-18-A and R-2-19-A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	MSRPH		SOP								
	1.12, 3.87.1, 3.122,		40.5.1.5.2								
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)	D- and K-Lines	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
					L'Enfant Plaza (D03)		Vienna (K08)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	7444, 7086, 7011, 5106, 3086		8,8,8,6,6								
Description	An FWSO Inspector performed five night-time riding inspections beginning on the Silver Line at L'Enfant Plaza (D03) to Vienna (K08) and back to L'Enfant Plaza (D03). The FWSO Inspector rode in the cab lead car.						Number of Defects		12		
							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	JOHN PHILIP MAYSER		Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.11 11:00:27 -08'00'
Inspector in Charge - Name John Mayser	Inspection Team John Mayser		



	<p>Lead Car 7444: An FWSO Inspector observed the train with lead car 7444 from 1912 – 1935 hours, track 2, operating from L’Enfant Plaza (D03) to Ballston (K04). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.</p> <p>Lead Car 7086: An FWSO Inspector observed train with lead car 7086 from 1937 – 1957 hours, tracks 1 and 2, operating from Ballston (K04) to Vienna (K08).</p> <p>Lead Car 7011: An FWSO Inspector observed train with lead car 7011 from 2014 – 2043 hours, track 1, operating from Vienna (K08) to Clarendon (K02). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.</p> <p>Lead Car 5106: An FWSO Inspector observed train with lead car 5106 from 2046 – 2059 hours, track 1, operating from Clarendon (K02) to Farragut West (C03).</p> <p>Lead Car 3086: An FWSO Inspector observed train with lead car 3086 from 2109 – 2116 hours, track 1, operating from Farragut West (C03) to L’Enfant Plaza (D03).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operators of trains with lead cars 7444, 7086, 7011, 5106 and 3086 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, SOP 40.5.1.5.2: Operators of trains with lead cars 7444, 7086, 7011, 5106 and 3086 did not comply with the rule that states in part: “look at the doors on the platform side of the train to observe any activity in front of the doors, with your hands to your side for five (5) seconds, before reaching up to touch the manual door opening button”. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 7011 did not sound the horn approaching the tunnel opening on track 1 at Dunn Loring (K07). Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.122: Operator of train with lead car 7086 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Vienna (K08) station on track 1. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • FWSO Inspector observed poor radio fidelity and frequently encountered radio reception dead zones. 		
<p>Remedial Action</p>	<p>N/A</p>		



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	20171129-WMATA-AG-1		
	2017	11	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]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C- and J-Lines, Track 1; J1 584+90 to Van Dorn Street (J02); and King Street (C13) to Huntington (C15)						

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	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 6036					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 - 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				
Line(s)	C- and J-Lines		Track Number	N/A	Chain Marker and/or Station(s)			From		To				
								Alexandria Yard (C99), Trailer 1		Alexandria Yard (C99), Trailer 1				
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: 2017.12.01 07:22:20 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Lee Emard	



Description	TRST unit 6036 conducted a job safety briefing at Alexandria Yard (C99), trailer 1. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It 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 Inspectors 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	Track Walker Observation				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST 6036		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700 - 1400	Outside Shift	Yes	
Related Reports	20170906-WMATA-AG-1		Related CAPS / Findings		Remedial Action ID #: 1594, 1592, 1590, 1588 and 1586						
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	X	
Line(s)	C- and J-Lines	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					J1 584+90, King Street (C13)			Van Dorn Street (J02) Huntington (C15)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	An FWSO Inspector observed WMATA contractors perform a track inspection on track one of the J-Line from J1 584+90 to Van Dorn Street (J02), and on track one of the C-Line from King Street (C13) to Huntington (C15). The FWSO Inspector observed that the contract inspectors were competent and knowledgeable of track conditions. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.1.2.5: At J1 665+00, an Emergency Trip Station (ETS) light was out. TRST 1000, 3.1.2.5: At J1 686+00, the ETS light was out on track 1. TRST 1000, 9.27.21: Switch rod #3 of switch 3A was loose at J1 684+50. TRST 1000, 13.3.15: At C1 593+70, the end third rail cover board was missing. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action #1594: At J1 632+00, the ETS light was repaired at box J-33. Remedial Action #1592: At J1 637+00, the ETS light was repaired at box J-37. Remedial Action #1590: At J1 639+00, the ETS light was repaired at box J-37. Remedial Action #1588: At J1 640+20, the ETS light was repaired at box J-39. Remedial Action #1586: At J1 645+00, the ETS light was repaired at box J-41. 						Number of Defects	4			
							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 repair the ETS light at J1 665+00. WMATA must repair the ETS light at J1 686+00. WMATA must tighten switch rod # 3 at switch 3A at J1 684+50. WMATA must repair third rail end cover at C1 593+70. 										



Inspection Form

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171129-WMATA-AG-2		
	2017	11	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	C-Line, Track 2, King Street (C13) to Crystal City (C09)						

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	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 6369			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 0600	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											
Line(s)	C-Line	Track Number		N/A	Chain Marker and/or Station(s)			From		To				
								King Street (C13)		King Street (C13)				
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: 2017.12.05 12:15:37 -05'00'	Date
Inspector in Charge - Name	Adam Giovando		Inspection Team	Brian Altiero, Alexander Nepa



Description	TRST Unit 6369 conducted a job safety briefing at the King Street (C13) 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 Inspectors 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	Track Walking Observation					Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6369			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	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			
	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)	C Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					King Street (C13)			Crystal City (C09)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	FWSO inspectors observed WMATA employees and contractors perform a track inspection on track 2 of the C-Line between King Street (C13) and Crystal City (C09). Inspectors also inspected track conditions. Both WMATA and contractor personnel were observant and diligent during the inspection. The following color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, Table 6-3: Five consecutive defective crossties, measuring 162 inches between non-defective ties, were observed at C2 521+00. Black Condition. TRST 1000, Table 13-6: Defective insulator under end approach was observed at the C10-42 signal at C2 359+60. Red condition. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 13.5.7: Missing end approach coverboard was observed at the 3B switch at C2 522+65. TRST 1000, 13.5.7: Missing end approach coverboard was observed at the C10-42 signal at C2 359+60. 							Number of Defects	4			
								Recommended Finding?	Yes			
								Remedial Action Required?	Yes			
								Recommended Reinspection?	Yes			
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must replace the missing end approach coverboard at the 3B switch at C2 522+65. WMATA must replace the missing end approach coverboard at C2 359+60. WMATA must replace the defective insulator at C2 359+60. WMATA must replace the defective crossties at C2 521+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	20171129-WMATA-AG-3		
	2017	11	29				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	West Falls Church 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				Activity Code	VM	SI	OBS	
Job Briefing Employee Name/Title	N/A	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time	0700-1000	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				
	2K/3K Series Maintenance Procedures Rev 1 dated 6/9/2017										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					X						X
Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						N/A		N/A			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	3138-3139 3130-3131		4								

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: 2017.12.05 12:19:53 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bill Hultsch	



Description	<p>FWSO inspector observed WMATA car maintenance activities at the West Falls Church Service and Inspection Facility (K99). The following activities were observed:</p> <ol style="list-style-type: none"> 1. Task 30 Undercar Electrical 30.12.6 APS Ventilated Component Cleaning and Inspection. 2. General Lubrication for Tasks 20.13, 30.4, and 60.5 Couplers. 3. Task 90 Door maintenance. 4. Task 50.3 HVAC filter replacement. 5. Task 60.1 Gear Box – Oil Level Check. 6. Task 60.32 Parking Brake Lubrication. 7. Task 90.2.2 Emergency External Door Release – EEDR maintenance. <p>All work was being performed safely and according to WMATA rules and procedures. FWSO inspector also observed that all WMATA personnel were wearing all required personal protective equipment (PPE).</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 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	20171129-WMATA-AG-4		
	2017	11	29				
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	Franconia-Springfield (J03) AC Switchboard Room						

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	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		TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA Power Personnel				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)	J-Line	Track Number	N/A		Chain Marker and/or Station(s)			From		To					
								Franconia-Springfield (J03)		Franconia-Springfield (J03)					
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: 2017.12.05 15:19:42 -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, known hazards, and safety rule of the day. 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	Corrective Maintenance					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	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								
Line(s)	J-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							Franconia-Springfield (J03)		Franconia-Springfield (J03)		
Vehicles	Head Car Number		Number of Cars		Equipment						
	N/A		N/A								
Description	The FWSO Inspector observed WMATA's power personnel performing corrective maintenance on the Data Transmission System (DTS) cabinet to rectify incorrect remote indications from the bus tie-breaker at the Maintenance Operations Center (MOC). The FWSO inspector observed WMATA power personnel racking out the bus tie-breaker to inspect its secondary contacts and taking voltage readings of the circuits that monitor the status of the bus tie-breaker in the DTS cabinet. These circuits transmit the signal to MOC's remote status indicators. The following non-color-coded defect was observed: <ul style="list-style-type: none"> Remote indicators in MOC were incorrectly showing the status of the bus tie-breaker in the AC switchboard room at Franconia Springfield (J03). 						Number of Defects	1			
							Recommended Finding?	Yes			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must correct the remote indication issues at MOC for the bus tie-breaker. 										



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	20171130-WMATA-AG-1		
	2017	11	30				
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	C and J Junction (C97) and Alexandria Yard Lead (C98) Interlockings						

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	6				
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 6142			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	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											
Line(s)	C-Line	Track Number		N/A	Chain Marker and/or Station(s)			From		To				
								King Street (C13)		King Street (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: 2017.12.05 15:26:31 -05'00'	Date	
Inspector in Charge - Name	Adam Giovando		Inspection Team	Brian Altiero, Alexander Nepa	



Description	TRST Unit 6142 conducted a job safety briefing at the King Street (C13) 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 Inspectors 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	Track Walking Observation				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST 6142		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	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				
	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)	C- and J-Lines	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)	From			To			
						C and J Junction (C97)			Alexandria Yard Leads (C98)		
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors observed WMATA contractors perform a monthly main-line switch inspection at the C and J Junction (C97) and Alexandria Yard Lead (C98) interlockings. Both WMATA and contractor personnel were observant and diligent during the inspection and providing on-track-protection.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 9.28: Three consecutive loose guard rail bolts were observed at the C97 number three switch at C2 571+55. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 7A on the outbound yard lead track adjacent to J2 540+50. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 5A on the outbound yard lead track adjacent to J2 539+50. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 1B on the outbound yard lead track adjacent to J2 538+50. See figures 1 and 2 below. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 1A at J2 536+76. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 5B on the inbound yard lead track adjacent to J1 540+50. 						Number of Defects	6			
							Recommended Finding?	Yes			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must replace or tighten the loose guard rail bolts at the C97 number three switch at C2 571+55. WMATA must adjust and tighten the number three and four switch rods at C98 number 7A switch on the outbound yard lead track adjacent to J2 540+50. WMATA must adjust and tighten the number three and four switch rods at C98 number 5A switch on the outbound yard lead track adjacent to J2 539+50. 										



- WMATA must adjust and tighten the number three and four switch rods at C98 number 1B switch on the outbound yard lead track adjacent to J2 538+50.
- WMATA must adjust and tighten the number three and four switch rods at C98 number 1A switch at J2 536+76.
- WMATA must adjust and tighten the number three and four switch rods at C98 number 5B switch on the inbound yard lead track adjacent to J1 540+50.

Photos



Figures 1 and 2: 5/8 inch gap between switch point and stock rail at the C98 1B switch on the outbound yard lead track adjacent to J2 538+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	20171130-WMATA-AG-2		
	2017	11	30				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	West Falls Church 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				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	N/A								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard		Other / Title		Checklist Reference				
	2K/3K Series Maintenance Procedures Rev 1 dated 6/9/2017										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
					X						X
Line(s)	N/A	Track Number	N/A	Chain Marker and/or Station(s)	From		To				
					N/A		N/A				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	7040-7041		8								
	3090-3091										
	3034-3035										
3130-3131											

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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: 2017.12.05 16:44:30 -05'00'	Date
Inspector in Charge - Name	Adam Giovando	Inspection Team	Bill Hultsch



Description	<p>FWSO inspector observed WMATA car maintenance activities at the West Falls Church Service and Inspection Facility (K99). The following activities were observed:</p> <ol style="list-style-type: none"> 1. Review calibration of Asset #626523 Wheel Gauge, calibration due 6/21/18. 2. Task 80 Air Springs and Carbody Height Checks on rail vehicles 3034-3035. 3. Task 30 Undercar Electrical 30.12.6 APS Inspection. 4. General Lubrication for Tasks 20.13, 30.4, and 60.5 Couplers. 5. Task 90 Door maintenance. 6. Task 60.1 Gear Box – Oil Level Check. 7. Task 60.32 Parking Brake Lubrication. <p>All work was being performed safely and according to WMATA rules and procedures. FWSO inspector also observed that all WMATA personnel were wearing all required personal protective equipment (PPE).</p> <p>Other Notable Observation:</p> <ul style="list-style-type: none"> • Inspector observed WMATA contractor installing permanent scaffolding for roof work on 7000 Series cars on track 20 East. <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 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	20171130-WMATA-AG-3		
	2017	11	30				
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	Franconia-Springfield (J03) – AC Switchboard Room						

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	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)	J-Line		Track Number	N/A		Chain Marker and/or Station(s)		From		To				
								Franconia-Springfield (J03)		Franconia-Springfield (J03)				
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: 2017.12.05 15:40:43 -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, known hazards, and safety rule of the day. 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	Corrective Maintenance					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	Yes	
Related Reports	20171129-WMATA-AG-4		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)	J-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							Franconia-Springfield (J03)		Franconia-Springfield (J03)		
Vehicles	Head Car Number		Number of Cars		Equipment						
	N/A		N/A								
Description	<p>The FWSO Inspector observed WMATA's power personnel and Automatic Train Control (ATC) personnel performing corrective maintenance on the Data Transmission System (DTS) cabinet to rectify incorrect remote indications from the bus tie-breaker at Maintenance Operations Center (MOC).</p> <p>The FWSO inspector observed WMATA power personnel perform a bus tie-breaker test which closes the bus tie-breaker and thus changes the status of the breaker from "open" to "closed". Voltage readings were taken on the circuits in the DTS cabinet that correlate to the status of "open" or "closed" for the bus tie-breaker before and after closing the breaker. These circuits transmit the signal to MOC's remote status indicators. All voltage readings were correct in the DTS cabinet, but MOC's remote indications were still incorrect. ATC supplies the 28 VDC needed for the circuits in the DTS cabinet that allows MOC to monitor the status of the breakers in the AC SWBD Room. ATC personnel troubleshooted the problem and found a bad card (circuit board) in the ATC room.</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	20171130-WMATA-JM-1		
	2017	11	30				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	RTRA	Sub- Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	D- and N-Lines, L'Enfant Plaza (D03) to Wiehle-Reston East (N06)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	RTRA-RI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	9					
Recommended Finding	No					
Remedial Action Required ¹	No					
Recommended Reinspection	Yes					

Activity Summaries

Inspection Activity #	1	Inspection Subject	Operator Observation				Activity Code	RTRA	RI	OBS	
Job Briefing Employee Name/Title	N/A		Accompanied Inspector?	No	Out Brief Conducted	No	Time	1912 - 2050	Outside Shift	N/A	
Related Reports	Safety Directive 15-1		Related CAPS / Findings		CAPs R-2-18-A and R-2-19-A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	MSRPH		SOP								
	1.12, 3.87.1		40.5.1.5.2								
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)	D- and N-Lines	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)		From		To			
					L'Enfant Plaza (D03)		Wiehle-Reston East (N06)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	5175, 7046, 7016, 7392		8,8,8,8								
Description	An FWSO Inspector performed four day-time riding inspections beginning on the Silver Line at L'Enfant Plaza (D03) to Wiehle-Reston East (N06) and back to L'Enfant Plaza (D03). The FWSO Inspector rode in the cab lead car.						Number of Defects		9		
							Recommended Finding?		No		
							Remedial Action Required?		No		

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Inspector in Charge - Signature	JOHN PHILIP MAYSER		Digitally signed by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.11 10:38:31 -08'00'
Inspector in Charge - Name John Mayser	Inspection Team John Mayser		



	<p>Lead Car 5175: An FWSO Inspector observed the train with lead car 5175 from 1352 – 1413 hours, track 2, operating from L’Enfant Plaza (D03) to Clarendon (K02). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.</p> <p>Lead Car 7046: An FWSO Inspector observed train with lead car 7046 from 1424 – 1456 hours, track 2, operating from Clarendon (K02) to Wiehle-Reston (N06).</p> <p>Lead Car 7016: An FWSO Inspector observed train with lead car 7016 from 1500 – 1532 hours, track 1, operating from Wiehle-Reston (N06) to Clarendon (K02).</p> <p>Lead Car 7392: An FWSO Inspector observed train with lead car 7392 from 1545 – 1606 hours, track 1, operating from Clarendon (K02) to L’Enfant Plaza (D03).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • MSRPH, 1.12: Operators of trains with lead cars 5175, 7046, 7016, and 7392 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, SOP 40.5.1.5.2: Operators of trains with lead cars 5175, 7046, 7016, and 7392 did not comply with the rule that states in part: “look at the doors on the platform side of the train to observe any activity in front of the doors, with your hands to your side for five (5) seconds, before reaching up to touch the manual door opening button”. Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. • MSRPH, 3.87.1: Operator of train with lead car 7016 did not sound the horn approaching the tunnel opening on track 1 at Tysons Corner (N02). Remedial action for this defect is addressed in WMATA’s approach to CAPs R-2-18-A and R-2-19-A. <p>Other Notable Observations:</p> <ul style="list-style-type: none"> • FWSO Inspector observed poor radio fidelity and frequently encountered radio reception dead zones. • The train with lead car 7046 from 1424 – 1456 hours, track 2, operating from Clarendon (K02) to Wiehle-Reston (N06) displayed 75-75 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. • The train with lead car 7016 from 1424 – 1456 hours, track 2, operating from Clarendon (K02) to Wiehle-Reston (N06) displayed 75-75 and 65-65 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. • The lead car 7046 had forward facing leaking door seals that permitted extremely loud air to whistle through the seals to a sound level that drowned out the train radio. Clear radio communication were not observed with train speed in excess of 40-mph. • Train operator of lead car 5175 exhibited excellent train handling skill. 		
Remedial Action	N/A		