



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	20180201-WMATA-WP-1		
	2018	02	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]
Inspection Location	C- and K- Lines, Track 1, Rosslyn (C05) to Court House (K01)						

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
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		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Alexander Nepa			



United States Department of Transportation
Federal Transit Administration

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Description	FWSO inspectors received a job safety briefing from TRST 601 at Rosslyn station platform (C05) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0	
								Recommended Finding?		No	
								Remedial Action Required?		No	
	The FWSO Inspectors did not note any defects.							Recommended Reinspection?		No	
Remedial Action	N/A										

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	20170725-WMATA-AG-1		Related CAPS / Findings		Remedial Action ID #: 1471, 1472						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title			Checklist Reference		
	TRST-1000, rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	C- and K-Lines	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Rosslyn (C05)			Court House (K01)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

Description	FWSO inspectors accompanied WMATA compliance personnel between Rosslyn (C05) and Court House (K01) to inspect track conditions and follow-up on previously reported remedial actions.							Number of Defects		3	
								Recommended Finding?		No	
								Remedial Action Required?		Yes	
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 10.17.4.1: Between K1 148+00 and 160+20 relay, continuous welded rail was lying between the field side of the track and the catwalk, which created a trip-and-fall hazard. See figure one below. TRST 1000, 10.15: Poor tunnel lighting conditions were observed between K1 150+00 and K1 192+00. TRST 1000, 13.3.13: The third rail anchor arm at K1 161+15 was broken. <p>Other Notable Observation:</p> <ul style="list-style-type: none"> The third rail end approach at K1 195+10 appeared too high. Eight broken collector shoes were observed in the immediate area. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1471: WMATA has replaced broken frog bolts on switch one at C1 147+00. Remedial Action ID #1472: WMATA has replaced missing Pandrol clips at C1 147+00. 							Recommended Reinspection?		Yes	
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must remove the relay rail between K1 148+00 and 160+20. WMATA must repair the lighting between K1 150+00 and 192+00. WMATA must repair the third rail anchor arm at K1 161+15. 										

Photos



Figure 1: Relay rail tripping hazard at K1 148+00.



Inspection Form

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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180202-WMATA-WP-1		
	2018	02	02				
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	Pentagon (C07) – C1 278+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													
	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	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											

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Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.06 08:23:50 -05'00'		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Description	The FWSO inspector received a Job Safety Briefing from the WMATA RWIC. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hotspots, 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 Observation				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		
	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-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					C1 278+00			C1 278+00			
Vehicles	Head Car Number		Number of Cars		Equipment	Positive Feeder Cable Pigtails (1000MCM, 2kV)					
	N/A		N/A								
Description	The FWSO inspector observed WMATA's power department and electrical contractors replacing five feeder cable pigtails. The pigtails were replaced at C1 278+00. During the inspection, the FWSO inspector observed the contractor installing feeder cable pigtails per the Engineering Modification Instruction (EMI) for Jumper, Expansion, and Transition Power Cables Replacement System Wide (issued September 16, 2016). 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										



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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	20180202-WMATA-WP-2		
	2018	02	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]
Inspection Location	C- and K-Lines, track 2, Court House (K01) to Rosslyn (C05)						

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	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X						X					
Line(s)	K-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Court House (K01)		Court House (K01)					
Vehicles	Head Car Number		Number of Cars			Equipment		N/A						
	N/A		N/A											

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Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOF Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.06 15:11:13 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

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Description	FWSO inspectors received a job safety briefing from TRST 601 at Court House (K01) station platform prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0	
								Recommended Finding?		No	
								Remedial Action Required?		No	
	The FWSO Inspector did not note any defects.							Recommended Reinspection?		No	
Remedial Action	N/A										

Inspection Activity #	2		Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 601			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	N/A			Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000, rev. 6											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X								X			
Line(s)	K and C-Lines		Track Number	Track 2		Chain Marker and/or Station(s)	From		To			
							Court House (K01)		Rosslyn (C05)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									

Description	FWSO inspector accompanied WMATA compliance personnel between Court House (K01) and Rosslyn (C05) to inspect track conditions and follow up on previously issued remedial actions. The FWSO inspector was unable to close any remedial actions in the area.							Number of Defects		4	
								Recommended Finding?		No	
								Remedial Action Required?		Yes	
	The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 10.17.4.1: At K2 151+60, there was relay rail presenting a trip-and-fall hazard. TRST 1000, 13.3.13: At K2 188+70, the third rail anchor arm was broken. TRST 1000, 3.2.1.2: The center track catch basin at K2 170+40 was blocked and not working as designed. TRST 1000, 10.15: Poor lighting conditions exist between Court House (K01) and Rosslyn (C05), track 2. 							Recommended Reinspection?		Yes	
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must remove the relay rail at K2 151+60. WMATA must replace the broken third rail anchor arm at K2 188+70. WMATA must clean out the center catch basin at K2 170+40. WMATA must repair the tunnel lights between Court House (K01) and Rosslyn (C05). 										



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	20180203-WMATA-WP-1		
	2018	02	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]
Inspection Location	D-Line, track 1, Deanwood (D10) to Cheverly (D11)						


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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST 6464					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700-1300	Outside Shift	Yes		
Related Reports	20161109-WMATA-AD-2					Related CAPS / Findings		Remedial Action ID #: 1023							
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					
								Deanwood (D10)		Deanwood (D10)					
Vehicles	Head Car Number		Number of Cars			Equipment		N/A							
	N/A		N/A												

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Inspector in Charge - Signature		WINSLOW L. POWELL		 <small>Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.08 10:03:40 -05'00'</small>		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

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Description	<p>FWSO inspectors received a job safety briefing from TRST 6464 at Deanwood (D10) station platform prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> RWPM 2014, 2.7: RWIC acting as watchman lookout did not use an air horn or whistle when warning the work group of oncoming trains. Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1023. 	Number of Defects	1
		Recommended Finding?	No
		Remedial Action Required?	Yes
		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 6464		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700-1300	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)	D-Line	Track Number	Track 1	Chain Marker and/or Station(s)		From		To			
						Deanwood (D10)		Cheverly (D11)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspector observed WMATA employees and contractors perform a track inspection on track one of the D-Line between Deanwood (D10) and Cheverly (D11). Inspectors also inspected track conditions in the area.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: At D1 402+00, the end approach cover board was missing. 						Number of Defects	1			
							Recommended Finding?	No			
							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 reinstall the missing end approach cover board at D1 402+00. 										



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Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180205-WMATA-WP-1		
	2018	02	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	A-Line, track 1, Woodley Park (A04) to Tenleytown (A07)						


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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6287					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	20161109-WMATA-AD-2					Related CAPS / Findings		Remedial Action ID #: 1023						
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					
							Woodley Park (A04)		Woodley Park (A04)					
Vehicles	Head Car Number		Number of Cars		Equipment		N/A							
	N/A		N/A											

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Inspector in Charge - Signature		WINSLOW L. POWELL		 <small>Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.08 12:16:36 -0500</small>		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO Inspector received a job safety briefing from TRST 6287 at Woodley Park (A04) station platform prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> RWPM 2014, 2.7: The advance watchman lookout did not use an air horn or whistle when warning the work group of oncoming trains. Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1023. 	Number of Defects	1
		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 6287		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1300	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000, rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	A-Line	Track Number	Track 1	Chain Marker and/or Station(s)		From		To			
						Woodley Park (A04)		Tenleytown (A07)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO Inspector observed WMATA employees and contractors perform a track inspection on track one of the A-Line between Woodley Park (A04) and Tenleytown (A07). Inspectors also inspected track conditions in the area.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 10.17.4.1: Between A1 135+00 and 138+00, there was relay rail in the gauge and between the outside rail and catwalk. TRST 1000 13.3.14: At A1 172+60, the end approach cover board was missing. TRST 1000 10.18: At the A1 187+03 vent shaft, there was a three-phase electrical disconnect without a cover. TRST 1000 13.3.14: At A1 206+60, the end approach cover board was missing. TRST 1000 3.2.2.4: At A1 213+30 there was a tunnel leak onto the third rail cover board. See figure 1 below. 						Number of Defects	5			
							Recommended Finding?	No			
							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 collect the relay rail between A1 135+00 and 138+00. WMATA must install the missing end approach third rail cover board at A1 172+60. WMATA must install a cover on the three-phase electrical disconnect at A1 187+30 vent shaft. WMATA must install the missing end approach third rail cover board at A1 206+60. WMATA must repair the tunnel leak at A1 213+30. 										



Photo



Figure 1: Corroded third rail and cover board from tunnel leak at A1 213+30.



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	20180206-WMATA-WP-1		
	2018	02	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]
Inspection Location	B-Line, track 1, between Takoma (B07) and Rhode Island Avenue (B04)						

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)	2	4				
Recommended Finding	No	No				
Remedial Action Required ¹	Yes	Yes				
Recommended Reinspection	Yes	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6241					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700-1330	Outside Shift	No	
Related Reports	20161109-WMATA-AD-2					Related CAPS / Findings			Remedial Action ID #: 1023					
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						
					Takoma (B07)			Takoma (B07)						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.08 08:34:39 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson & Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspectors received a job safety briefing from TRST 6241 at Takoma (B07) station platform prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> RWPM 2014, 2.7: The advance watchman assigned to the work group did not use an air horn or whistle when warning of oncoming trains. Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1023. P.O. 17-02: WMATA lists the following locations as red zones requiring foul time: between B1 334+50 and 350+00, B1 302+00 and 323+00, and B1 282+00 and 293+00 and foul time was not obtained. 	Number of Defects	2
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes
Remedial Action	<p>To achieve compliance with WMATA requirements:</p> <ul style="list-style-type: none"> WMATA must ensure employees comply with RWPM requirements during inspection. 		

Inspection Activity #	2	Inspection Subject	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6241		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0700-1330	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	X	
Line(s)	B-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Takoma (B07)			Rhode Island Avenue (B04)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspector accompanied WMATA and contract inspection personnel between Takoma (B07) and Rhode Island Avenue (B04) on a bi-weekly frequency inspection.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: At B1 172+20 at the A1 switch, the end approach cover board was missing. TRST 1000, 13.3.13: At B1 275+40, the third rail anchor arm was disconnected. TRST 1000, 13.3.10 At B1 269+00, the third rail insulator was overturned and not holding as designed. See figure 1 below. TRST 1000, 3.2.2.6: On the aerial structure at B1 169+40, the catwalk the trough cover was missing. See figure 2 below. 							Number of Defects	4		
								Recommended Finding?	No		
								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 reinstall the missing end approach cover board at B1 172+20, A1 switch. WMATA must repair the third rail anchor arm at B1 275+40. WMATA must repair the overturned third rail insulator at B1 269+00. WMATA must replace the center catwalk trough cover at B1 169+40 										

Photos



Figure 1: Third rail insulator at B1 269+00



Figure 2: Missing trough plate at B1 169+40



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	20180206-WMATA-WP-2		
	2018	02	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]
Inspection Location	D-Line, tracks 1 and 2, Capital South (D05) to Eastern Market (D06)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 687					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title			Checklist Reference				
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X						X					
Line(s)	D-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To					
							Capitol South (D05)		Capitol South (D05)					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard			

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DCT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.02.08 10:15:44 -0500



United States Department of Transportation
Federal Transit Administration

Description	<p>FWSO Inspector received a job safety briefing from TRST 687 at Capital South (D05) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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 687		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No		
Related Reports	20170928-WMATA-AG-3 20170727-WMATA-AG-1		Related CAPS / Findings		Remedial Action ID #: 1672, 1671, 1670, 1481							
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	Tracks 1 and 2	Chain Marker and/or Station(s)	From				To			
					Capitol South (D05)				Eastern Market (D06)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	<p>FWSO inspector observed WMATA employees perform a track inspection on tracks 1 and 2 of the D-Line between Capitol South (D05) and Eastern Market (D06). Inspectors also inspected track conditions and followed up on previously issued remedial actions.</p> <p>The following color-coded defect was noted:</p> <ul style="list-style-type: none"> TRST 1000, Table 7.1: There were three consecutive defective fasteners in 90 inches at D1 117+90. Yellow Condition. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1672: WMATA repaired migrating dirty, wet, and muddy conditions under third rail at CM D2 114+00 and CM D2 135+00. Remedial Action ID #1671: WMATA repaired incorrect joint bars by welding right rail at CM D2 135 +60. Remedial Action ID #1670: WMATA repaired incorrect joint bars by welding left rail at CM D2 135 +60. Remedial Action ID #1481: WMATA replaced broken third rail insulator at D1 118+00. 							Number of Defects	1			
								Recommended Finding?	No			
								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 defective fasteners at D1 117+90. 											



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	20180206-WMATA-WP-3		
	2018	02	06				
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	Courthouse (K01), Clarendon Circle (K02), and Frederick Street (K04-2) Traction Power Substations (TPSS)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-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		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	K-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Courthouse (K01) TPSS		Courthouse (K01) TPSS					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 10:40:05 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed. 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	Traction Power Substation Visual Inspection				Activity Code	TP	RM	PI						
Job Briefing Employee Name/Title	WMATA Power Personnel			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 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) AC OR DC ELECTRICAL FACILITIES, AC UNIT SUBSTATIONS, AUXILIARY ELECTRICAL ROOMS, TRACTION POWER SUBSTATIONS, DC TIE BREAKER SUBSTATIONS, 14 DAY INSPECTION (REVISION 3, AUGUST, 2011)															
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A					
			X								X					
Line(s)	K-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To								
					Courthouse (K01) TPSS Clarendon Circle (K02) TPSS Frederick Street (K04-2) TPSS			Courthouse (K01) TPSS Clarendon Circle (K02) TPSS Frederick Street (K04-2) TPSS								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A										
	N/A		N/A													
Description	The FWSO inspector visually inspected the condition of all electrical equipment in the traction power substation (TPSS) and the overall facility condition. Courthouse (K01) TPSS, Clarendon Circle (K02) TPSS, and Frederick Street (K04-2) TPSS were visually inspected for compliance with the Preventative Maintenance Instructions (PMI) for TPSS. 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	20180207-WMATA-WP-1		
	2018	02	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]
Inspection Location	A-Line, track 2, Friendship Heights (A08) to Tenleytown-AU (A07)						

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 Required¹	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 677			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No		
Related Reports	N/A			Related CAPS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	RWPM												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X						X				
Line(s)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To				
							Friendship Heights (A08)		Friendship Heights (A08)				
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		Date	
WINSLOW L. POWELL		<small>Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 10:45:22 -0500</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard, Anthony Johnson		



United States Department of Transportation
Federal Transit Administration

Description	<p>FWSO Inspectors received a job safety briefing from TRST 677 at Friendship Heights (A08) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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 677		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	20171102-WMATA-AG-1 20171024-WMATA-AG-1 20180123-WMATA-WP-1		Related CAPS / Findings		Remedial Action ID #: 1763, 1734, 2039						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRST-1000 rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	A-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						Friendship Heights (A08)		Tenleytown-AU (A07)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO Inspectors observed WMATA employees perform a track inspection on track 2 of the A-Line between Friendship Heights (A08) and Tenleytown-AU (A07). Inspectors also inspected track conditions and followed up on previously issued remedial actions.</p> <p>The FWSO Inspector did not note any defects.</p> <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1763: WMATA has repaired defective fasteners at A2 280+00. Remedial Action ID #1734: WMATA has cleaned the center drain scuppers at A2 290+00. Remedial Action ID #2039: WMATA has repaired water intrusion at A2 275+00. 						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	No			
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180207-WMATA-WP-2		
	2018	02	07				
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	Belmont Road (A03) Traction Power Substation (TPSS)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Belmont Road (A03) TPSS		Belmont Road (A03) TPSS					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.23 11:53:49 -0500		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Description	The FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed. 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					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) WHIPP AND BOURNE 750 VOLT DC TYPE MM74 CIRCUIT BREAKER – 365 DAY INSPECTION (REVISION 3, JUNE 20, 2013)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								X
Line(s)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						Belmont Road (A03) TPSS		Belmont Road (A03) TPSS			
Vehicles	Head Car Number		Number of Cars		Equipment	Whipp and Bourne (Manufacturer) 750 Volt DC Circuit Breaker					
	N/A		N/A								
Description	The FWSO inspector observed WMATA power personnel perform preventive maintenance on a lineup of seven Whipp and Bourne (manufacturer) direct current (DC) breakers in the DC switchgear located in Belmont Road (A03) traction power substation (TPSS). Maintenance was performed in accordance with the published Preventive Maintenance Instructions (PMI) and no issues were observed. 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	20180208-WMATA-WP-1		
	2018	02	08				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	B-Line, track 2, Gallery Place (B01) to Judiciary Square (B02)						

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6094				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	20170516-WMATA-WP-1				Related CAPS / Findings		Remedial Action ID #: 1308						
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)	B-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Gallery Place (B01)		Gallery Place (B01)				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard, Anthony Johnson, Al Nepa			



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspectors received a job safety briefing from TRST 6094 at Gallery Place (B01) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> P.O. R-17-03: Advanced Mobile Flagger #677 did not have an air horn, only a whistle. Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1308. 	Number of Defects	1
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	Yes
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No		
Related Reports	20171018-WMATA-AG-2		Related CAPS / Findings		Remedial Action ID #: 1715							
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 2	Chain Marker and/or Station(s)			From		To			
							Gallery Place (B01)		Judiciary Square (B02)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A					
	N/A		N/A									
Description	<p>FWSO inspectors performed a remedial action verification on track 2 of the B-Line between Gallery Place (B01) and Judiciary Square (B02). Inspectors also inspected track conditions in the area.</p> <p>The following color-coded defect was noted:</p> <ul style="list-style-type: none"> TRST 1000, Table 7.1: There were five consecutive defective fasteners in 146 inches at B2 026+35 to B2 026+50 on the right rail in a curve. Gauge measured 56 9/16 inches static with ½ inch dynamic movement on the plate. WMATA RWIC did not impose a speed restriction, deeming the defect a maintenance condition per TRST 1000 sections 7.9.2.3 and 7.9.2.4. See figures 1 and 2 below. Black Condition <p>Other notable observation:</p> <ul style="list-style-type: none"> At switch B2 08 on turnout side of switch #7, the brace plate was loose and #12 was missing. <p>The following remedial action was verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1715: WMATA has replaced missing cover board end at B2 029+00. 							Number of Defects	1			
								Recommended Finding?	No			
								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 defective fasteners on the right rail between B2 026+35 and B2 026+50. 											



Photos



Figures 1 and 2: Five defective fasteners in a row at and dynamic movement between B2 026+35 and 026+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	20180208-WMATA-WP-2		
	2018	02	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	Farragut North (A02) and Ohio Drive (F03) Traction Power Substations (TPSS)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	7				
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	1000 to 1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A and F-Lines		Track Number	N/A	Chain Marker and/or Station(s)		From		To					
							Farragut North (A02) TPSS		Farragut North (A02) TPSS					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 11:13:48 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Description	The FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed 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	Traction Power Substation Visual Inspection				Activity Code		TP	RM	PI
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 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) AC OR DC ELECTRICAL FACILITIES, AC UNIT SUBSTATIONS, AUXILIARY ELECTRICAL ROOMS, TRACTION POWER SUBSTATIONS, DC TIE BREAKER SUBSTATIONS, 14 DAY INSPECTION (REVISION 3, AUGUST, 2011)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X								X
Line(s)	A and F-Lines	Track Number	N/A	Chain Marker and/or Station(s)	From		To				
					Farragut North (A02) TPSS Ohio Drive (F03) TPSS		Farragut North (A02) TPSS Ohio Drive (F03) TPSS				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	The FWSO inspector visually inspected the condition of all electrical equipment in the traction power substation (TPSS) and the overall facility condition. Farragut North (A02) TPSS and Ohio Drive (F03) TPSS were visually inspected for compliance with the Preventative Maintenance Instruction (PMI) for TPSS. The following non-color-coded defects were observed: <ul style="list-style-type: none"> PMI 4.12.3: Blower main circuit breaker tripped alarm on uninterruptible power supply was observed at Ohio Drive (F03) TPSS. PM 4.12.3I: Blower high speed alarm on uninterruptible power supply was observed at Ohio Drive (F03) TPSS. PMI 4.12.3: Change filter alarm on uninterruptible power supply was observed at Ohio Drive (F03) TPSS. PMI 4.12.3: Filter blower fault alarm on uninterruptible power supply was observed at Ohio Drive (F03) TPSS. PMI 4.4.13: Standing water was observed behind 13.8kV AC switchgear at Ohio Drive (F03) TPSS. PMI 4.4.13: Standing water was observed underneath drainage and negative switchboard at Ohio Drive (F03) TPSS. 						Number of Defects		7		
							Recommended Finding?		No		
							Remedial Action Required?		Yes		
							Recommended Reinspection?		Yes		



	<ul style="list-style-type: none">• PMI 4.4.13: Signs of water infiltration were observed on the rear of the auxiliary compartment #1 (metering CTs) in the AC switchgear at Ohio Drive (F03) TPSS.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must rectify blower main circuit breaker tripped alarm on uninterruptible power supply at Ohio Drive (F03) TPSS.• WMATA must rectify blower high speed alarm on uninterruptible power supply at Ohio Drive (F03) TPSS.• WMATA must rectify change filter alarm on uninterruptible power supply at Ohio Drive (F03) TPSS.• WMATA must rectify filter blower fault alarm on uninterruptible power supply at Ohio Drive (F03) TPSS.• WMATA must mitigate water intrusion behind 13.8kV AC switchgear at Ohio Drive (F03) TPSS.• WMATA must mitigate water intrusion underneath drainage and negative switchboard at Ohio Drive (F03) TPSS.• WMATA must mitigate water intrusion into the rear of auxiliary compartment #1 (metering CTs) and inspect/replace any components compromised by the water infiltration.		



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	20180209-WMATA-WP-1		
	2018	02	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-Navy Memorial (F02), Maine Ave. (F04), Navy Yard (F05), and Belmont Road (A03) Traction Power Substations (TPSS)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	8				
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	1000 to 1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A and F-Lines		Track Number	N/A	Chain Marker and/or Station(s)		From		To					
							Navy Yard (F05) TPSS		Navy Yard (F05) TPSS					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo			

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.02.22 11:17:31 -05'00'



United States Department of Transportation
Federal Transit Administration

Description	The FWSO Inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed 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	Traction Power Substation Visual Inspection			Activity Code		TP	RM	PI
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 1400	Outside Shift	No

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) AC OR DC ELECTRICAL FACILITIES, AC UNIT SUBSTATIONS, AUXILIARY ELECTRICAL ROOMS, TRACTION POWER SUBSTATIONS, DC TIE BREAKER SUBSTATIONS, 14 DAY INSPECTION (REVISION 3, AUGUST, 2011)				

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

Line(s)	A and F-Lines	Track Number	N/A	Chain Marker and/or Station(s)	From	To
					Archives-Navy Memorial (F02) TPSS Maine Ave. (F04) TPSS Navy Yard (F05) TPSS Belmont Road (A03) TPSS	Archives-Navy Memorial (F02) TPSS Maine Ave. (F04) TPSS Navy Yard (F05) TPSS Belmont Road (A03) TPSS

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

Description	<p>The FWSO Inspector visually inspected the condition of all electrical equipment in the traction power substation and the overall facility condition. Archives-Navy (F02) Traction Power Substation (TPSS), Maine Ave. (F04) TPSS, Navy Yard (F05) TPSS, and Belmont Road (A03) TPSS were visually inspected for compliance with the Preventative Maintenance Instruction (PMI) for TPSS.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> PMI 4.12.8: Battery charger ground fault '+' alarm was observed at Archives-Navy (F02) TPSS. PMI 4.8.1: Observed was incoming utility (line) breaker #1 analog voltage meter read 8.4kV whereas it should have read 13.8kV at Archives-Navy (F02) TPSS. PMI 4.8.81: Observed was incoming utility (line) breaker #2 analog voltage meter read 8kV whereas it should have read 13.8kV at Archives-Navy (F02) TPSS. PMI 4.12.3: Blower main circuit breaker tripped alarm on uninterruptible power supply was observed at Navy Yard (F05) TPSS. PMI 4.12.3: Blower high speed alarm on uninterruptible power supply was observed at Navy Yard (F05) TPSS. 	Number of Defects	8
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• PMI 4.12.3: Filter blower fault alarm on uninterruptible power supply was observed at Navy Yard (F05) TPSS.• PMI 4.8: The 64 relay (structure ground relay) on Rectifier #3 showed a ground/earth fault at Navy Yard (F05) TPSS.• PMI 4.8: System trouble alarm on the inverter was observed at Belmont Road (A03) TPSS.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must rectify battery charger ground fault '4' alarm at Archives-Navy (F02) TPSS.• WMATA must verify that incoming utility voltage is 13.8kV on incoming line breaker #1 at Archives-Navy Memorial (F02) TPSS.• WMATA must verify that incoming utility voltage is 13.8kV on incoming line breaker #2 at Archives-Navy Memorial (F02) TPSS.• WMATA must rectify blower main circuit breaker tripped alarm on uninterruptible power supply at Navy Yard (F05) TPSS.• WMATA must rectify blower high speed alarm on uninterruptible power supply at Navy Yard (F05) TPSS.• WMATA must rectify filter blower fault alarm on uninterruptible power supply at Navy Yard (F05) TPSS.• WMATA must clear the ground/earth fault on Rectifier #3 at Navy Yard (F05) TPSS.• WMATA must rectify the system trouble alarm on the inverter at Belmont Road (A03) TPSS.		



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	20180211-WMATA-WP-1		
	2018	02	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TPRO
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, Track 2, Friendship Heights (A08) to Grosvenor-Strathmore (A11)						

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 6014					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	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											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 11:29:08 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO Inspector and WMATA escort received a job safety briefing from TRST 6014 at Medical Center (A10) station platform prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. The FWSO Inspector did not note any defects. Other Notable Observations: <ul style="list-style-type: none">The work zones on the safety briefing sheet were identified incorrectly at A2 318+87 and 569+66. The actual locations were A2 308+87 and 569+00.	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 Observation		Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6198					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			
Line(s)	A-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From				To				
					Friendship Heights (A08)				Grosvenor-Strathmore (A11)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										
Description	FWSO Inspector observed WMATA employees and contractors performing a track maintenance on track 2 of the A-Line between Friendship Heights (A08) and Grosvenor-Strathmore (A11). Attention was paid to PPE usage and the quality of completed work as compared to WMATA standards. Inspector also observed RWP setup to ensure compliance with WMATA requirements. Maintenance worked being performed included leak mitigation, drainage maintenance, and rail-joint welding. The FWSO Inspector did not note any defects. Other Notable Observations: <ul style="list-style-type: none">At the 308+87 work zone location, one of the warning e-flare lights was observed to be illuminated but not strobing.	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	20180212-WMATA-WP-1		
	2018	02	12				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, track 1, Tenleytown-AU (A07) to Bethesda (A09)						

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	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 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						X				
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Tenleytown-AU (A07)		Tenleytown-AU (A07)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard			

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.02.22 11:34:53 -05'00'



United States Department of Transportation
Federal Transit Administration

Description	FWSO Inspector received a job safety briefing from TRST 6030 at Brentwood Yard (B99) Track Inspection office prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0				
								Recommended Finding?		No				
								Remedial Action Required?		No				
	The FWSO Inspector did not note any defects.							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	20160406-WMATA-AAN-1 20160621-WMATA-RPM-2				Related CAPS / Findings		Remedial Action ID #: 132, 133, 758							
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 1		Chain Marker and/or Station(s)		From		To					
			Tenleytown-AU (A07)				Bethesda (A09)							
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											
Description	FWSO Inspector(s) observed WMATA employees and contractors perform a track inspection on track 1 of the A-Line between Tenleytown-AU (A07) and Bethesda (A09). Inspectors also inspected track conditions and followed up on previously issued remedial actions.							Number of Defects		2				
								Recommended Finding?		No				
								Remedial Action Required?		Yes				
	The following color-coded defects were noted: <ul style="list-style-type: none"> TRST 1000, Table 7.1: There were six consecutive defective fasteners in 180 inches at A1 366+23 on the left rail on tangent. The gauge measured 56 1/2 inches, and there was no movement on the plate. WMATA RWIC did not impose a speed restriction, deeming the defect a maintenance condition per TRST 1000 sections 7.9.2.3 and 7.9.2.4. Black Condition. TRST 1000, Table 7.1: There were four consecutive defective fasteners in 120 inches at A1 372+80. Gauge measured 56 1/2 inches, and there was no movement on the plate. WMATA RWIC did not impose a speed restriction, deeming the defect a maintenance condition per TRST 1000 sections 7.9.2.3 and 7.9.2.4. Red Condition. Other Notable Observations: <ul style="list-style-type: none"> At A1 265+60 a third rail insulator was wet, muddy, and arcing. The contractor and WMATA RWIC made note of this condition in their report. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action ID #132: WMATA has replaced fasteners at A1 328+30. Remedial Action ID #133: WMATA has replaced fasteners at A1 357+50 to CM A1 357+60 Remedial Action ID #758: WMATA has replaced fasteners at A1 374+80. 							Recommended Reinspection?		Yes				
Remedial Action	To achieve compliance with WMATA's requirements:													



- | | |
|--|---|
| | <ul style="list-style-type: none">• WMATA must replace defective fasteners at A1 366+23.• WMATA must replace defective fasteners at A1 372+80. |
|--|---|



United States Department of Transportation
Federal Transit Administration

Inspection Form
FOIA Exemption: All (b)(6)

Form FTA-IR-1

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180213-WMATA-WP-1		
	2018	02	13				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	N-Line, track 2, Wiehle-Reston (N06) to Spring Hill (N04)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No
Related Reports	N/A					Related CAPS / Findings		N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference		
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				
							Wiehle-Reston (N06)		Wiehle-Reston (N06)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 12:20:50 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Al Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspectors received a job safety briefing from TRST 6094 at Gallery Place (B01) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No		
Related Reports	N/A		Related CAPS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference			
	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)	N-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
						Wiehle-Reston (N06)		Spring Hill (N04)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	<p>FWSO inspectors performed a remedial action verification on track 2 of the N-Line between Wiehle-Reston (N06) and Spring Hill (N04). Inspectors also inspected track conditions in the area.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Table 13-6: Signs of the collector shoe striking the nose of the third rail end approach was observed at N2 1006+70. See figure 1 below. Red condition. <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.13: At N2 1010+80 the third rail support bracket was not secured and was missing a cotter pin. <p>Other notable observation:</p> <ul style="list-style-type: none"> At N2 1023+00, the third rail power cable was contacting the ground. FWSO Inspectors and TRST compliance noted three defects had not been repaired to WMATA standards as recorded; therefore, a reinspection is warranted. 							Number of Defects	1			
								Recommended Finding?	No			
								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 review and adjust end approach height at N2 1006+70. WMATA must secure third rail support bracket at N2 1010+80. 											



Photos



Figure 1: Sign of collector shoes striking the nose of the third rail end approach at N2 1006+70.



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	20180213-WMATA-WP-2		
	2018	02	13				
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	Grosvenor-Strathmore (A11) – AC Room #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	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			
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A-Line		Track Number	N/A	Chain Marker and/or Station(s)			From		To				
								Grosvenor-Strathmore (A11)		Grosvenor-Strathmore (A11)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 13:35:41 -0500		Date
Inspector in Charge – Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	The FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed. 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			
	N/A													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Grosvenor-Strathmore (A11)		Grosvenor-Strathmore (A11)					
Vehicles	Head Car Number		Number of Cars			Equipment	Magnetic Trip Coil for Federal Pacific Electric 480VAC Breaker							
	N/A		N/A											
Description	The FWSO inspector observed WMATA power personnel perform corrective maintenance on the main breaker for the non-essential switchboard in AC switchboard room #1 at Grosvenor-Strathmore (A11) station. A burnt-out trip coil was replaced on the Federal Pacific Electric (manufacturer) type FPS25 breaker as it would not trip. The breaker was observed to be fully operational after the trip coil replacement. 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	20180214-WMATA-WP-1		
	2018	02	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]
Inspection Location	J-Line, Track 1, Van Dorn Street (J02) to Franconia-Springfield (J03)						

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)	1	9				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6094					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)	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		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 13:42:02 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO Inspector received a job safety briefing from TRST 6094 at Franconia-Springfield (J03) station prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. The FWSO inspector did not note any defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	Yes
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1530	Outside Shift	No	
Related Reports	20170926-WMATA-AG-1 Safety Directive 15-1		Related CAPS / Findings		Remedial Action ID #: 1651, 1652 Corrective Action Plan (CAP): 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	P.O. R-17-03									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X					X			
Line(s)	J-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						Van Dorn Street (J02)		Franconia-Springfield (J03)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

Description	<p>FWSO Inspector performed a remedial action verification on track 2 of the J-Line between Van Dorn (J02) and Franconia-Springfield (J03). FWSO Inspectors also inspected track conditions in the area.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000, table 13-6: At J1 732+50, the collector shoe was striking third rail approach surface. See figure 1 below Red Condition. • TRST 1000, 13.3.11: At J1 732+50, the third rail insulator supporting the end approach was broken and not holding. See figure 2 below. Red Condition. • TRST 1000, 13.3.11: At J1 826+60, the third rail insulator supporting the third rail was broken, and 80 inches of the third rail was not supported. See figure 3 below. The speed restriction protecting this defect was removed by WMATA Assistant Superintendent of third rail power. Red Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000, 13.5.7: At J1 732+50, the third rail end approach cover board was missing. • TRST 1000, 13.5.7: At J1 826+20, the third rail end approach cover board was missing. • TRST 1000, 13.3.13: At J1 826+00, the third rail support bracket was broken. • P.O. R-17-03: At J1 738+00 at 1122 hours, train lead car number 7010 approached the work group without continuously sounding its main line horn as required and did not maintain 10 MPH while passing the work group. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. • P.O. R-17-03: At J1 776+00 at 1157 hours, train lead car number 3120 approached the work group without continuously sounding its main line horn as required. 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	9
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• P.O. R-17-03: At J1 854+00 at 1405 hours, train lead car number 3055 approached the work group without continuously sounding its main line horn as required. 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">• Between J1 733+00 and 735+00, 200 feet of third rail heat wires were lying on the ground, unsecured from the third rail. See figure 4 below. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none">• Remedial Action ID #1651: WMATA has replaced the missing cover board end at J1 731+00.• Remedial Action ID #1652: WMATA has replaced the missing cover board end at J1 732+00.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must correct third rail end approach height at J1 732+50.• WMATA must replace defective insulator at J1 732+50.• WMATA must replace missing cover board at J1 732+50.• WMATA must replace broken third rail support bracket at J1 826+00• WMATA must replace missing third cover board at J1 826+20.• WMATA must replace defective insulator at J1 826+60.		

Photos



Figure 1: Collector shoe contacting end of third rail at J1 732+50.



Figure 2: Broken end support third rail insulator at J1 732+50.



Figure 3: Broken, non-supporting, third rail end approach insulator at J1 826+60.



Figure 4: Third rail heat wire on the ground between J1 733+00 and 735+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	20180214-WMATA-WP-2		
	2018	02	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]
Inspection Location	D and G-Line, track 2, Stadium-Armory (D08) to Benning Road (G01) and D2 283+00 to Deanwood (D10)						

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	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6336					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard		Other / Title		Checklist Reference				
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
		X										X		
Line(s)	D-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							New Carrollton Yard (D99)		New Carrollton Yard (D99)					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard, Anthony Johnson			



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspectors received a job safety briefing from TRST 6336 at New Carrollton Yard (D99) Track Inspection office prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0				
								Recommended Finding?		No				
								Remedial Action Required?		No				
	The FWSO inspectors did not note any defects.							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 6336				Accompanied Inspector?	Yes		Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	20170324-WMATA-WP-1 20170131-WMATA-CB-1 20171101-WMATA-AG-1 20180110-WMATA-WP-1				Related CAPS / Findings		Remedial Action ID #: 1227, 1229, 1228, 1102, 1758, 1759, 1973							
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 and G-Line	Track Number	Track 2	Chain Marker and/or Station(s)			From		To					
							Stadium-Armory (D08) CM D2 283+00		Benning Road (G01) Deanwood (D10)					
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 D and G-Line between Stadium-Armory (D08) to Benning Road (G01) and D2 283+00 to Deanwood (D10). Inspectors also inspected track conditions and followed up on previously issued remedial actions.							Number of Defects		6				
								Recommended Finding?		No				
								Remedial Action Required?		Yes				
	<p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Table 7.1: At G2 270+80 on right rail, there were three defective fasteners in a row in 90 inches. No speed restriction was applied. Yellow Condition. TRST 1000 5-42: At G2 287+00, the right rail had a shelling condition with chips of rail broken out. See figure 1 below. Yellow Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 13.3.15: At G2 311+40, the end third rail cover board was missing. TRST 1000, 13.17.4.1: At G2 332+50, the relay rail between running rail was a tripping hazard. TRST 1000 13.3.4: At G2 334+00, the third rail anchor arm was broken. TRST 1000, 13.17.4.1: At G2 334+70 to G2 338+00 the relay rail between safety walk and running rail was a tripping hazard. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1227: WMATA has replaced defective fasteners at D2 231+50. Remedial Action ID #1229: WMATA elevated cable at D2 262+00. Remedial Action ID #1228: WMATA repaired the defective fasteners at D2 265+75. 							Recommended Reinspection?		Yes				



	<ul style="list-style-type: none">• Remedial Action ID #1102: WMATA repaired the failing grout pads at D2 272+90.• Remedial Action ID #1758: WMATA replaced fasteners right rail at D2 278+00.• Remedial Action ID #1759: WMATA replaced fasteners right rail at D2 280+50.• Remedial Action ID #1973: WMATA replaced fasteners at D2 285+00.		
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">• WMATA must replace end cover board at G2 311+40.• WMATA must remove relay rail at G2 332+50.• WMATA must replace third rail anchor arm at G2 334+00.• WMATA must remove relay rail at G2 334+70 to G2 338+00.• WMATA must replace defective fasteners at G2 270+80.• WMATA must address rail shelling at G2 287+00.		

Photos



Figure 1: Shelling condition at G2 287+00



United States Department of Transportation
Federal Transit Administration

Inspection Form
FOIA Exemption: All (b)(6)

Form FTA-IR-1

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180214-WMATA-WP-3		
	2018	02	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-Line, Tracks 1 and 2, Eisenhower Ave. (C14) to Huntington Ave. (C15)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	4				
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 RWIC					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 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						
					Eisenhower Ave. (C14)		Eisenhower Ave. (C14)						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 15:03:29 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO Inspector received a job safety briefing from the roadway worker in charge (RWIC) at Eisenhower Ave. (C14) prior to entering the roadway. The briefing covered the type of on-track protection (specify), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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	Heat Tape Inspection					Activity Code	TP	RM	PI
Job Briefing Employee Name/Title	WMATA RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 to 1400	Outside Shift	No	
Related Reports	20170827-WMATA-AG-1		Related CAPS / Findings	Remedial Action ID #: 1560							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) THIRD RAIL HEAT TAPE SYSTEM – 365 DAY INSPECTION (REVISION 3, JUNE 2013)										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X									X	
Line(s)	C-Line	Track Number	Tracks 1 and 2	Chain Marker and/or Station(s)	From			To			
					Eisenhower Ave. (C14)			Huntington Ave. (C15)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO inspector visually inspected the condition of the third rail heat tape and trackside heater control panels from Eisenhower Ave. (C14) to Huntington Ave. (C15), tracks 1 and 2. The heat tape was energized by WMATA power personnel to show functionality. Also, local/remote operability was verified by the FWSO inspector. This section of mainline track was visually inspected for compliance with the Preventative Maintenance Instruction (PMI) for third rail heat tape.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 3.1.2.5: Emergency Trip Station (ETS) blue light was out at C1 599+00. TRST 1000 Manual, 3.1.2.5: ETS blue light was out at C2 599+00. TRST 1000 Manual, 3.1.2.5: ETS blue light was out at C1 615+00. TRST 1000 Manual, 3.1.2.5: ETS blue light was out at C2 615+00. <p>Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1560.</p>						Number of Defects	4			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must repair the ETS blue light at C1 599+00. WMATA must repair the ETS blue light at C2 599+00. WMATA must repair the ETS blue light at C1 615+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	20180215-WMATA-WP-1		
	2018	02	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]
Inspection Location	D-Line, track 1, New Carrollton (D13) to Landover (D12)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	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				
								New Carrollton (D13)		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		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Alexander Nepa			



United States Department of Transportation
Federal Transit Administration

Description	<p>FWSO inspectors received a job safety briefing from TRST 601 at New Carrollton (D13) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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	Remedial Action Verification				Activity Code	TRK	WI	PI						
Job Briefing Employee Name/Title	TRST 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	Outside Shift	No						
Related Reports	20170825-WMATA-AG-1 Safety Directive 15-1		Related CAPS / Findings		Remedial Action ID #1542 Corrective Action Plan (CAP): 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	P.O. 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)	D-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To								
					New Carrollton (D13)			Landover (D12)								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A										
	N/A		N/A													
Description	<p>FWSO inspectors performed a remedial action verification on track 1 of the D-Line between New Carrollton (D13) and Landover (D12). Inspectors also inspected track conditions in the area.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.1.2.7: At D1 571+00 there is an electrical junction box between the third rails without a cover and exposed live wires. See figure 1 below. P.O. T-16-07: At D1 561+00 at 1239 hours, a train with end car number 7150 passed a workgroup on an aerial center catwalk at a speed exceeding 10 MPH. Due to the speed, the lead car number could not be obtained. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. <p>The following remedial action was verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1542: The missing third rail end cover board at D1 567+90 has been replaced. 						Number of Defects	2								
							Recommended Finding?	No								
							Remedial Action Required?	Yes								
							Recommended Reinspection?	Yes								
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must replace the cover on the electrical junction box at D1 571+00. 															



Photos



Figure 1: Exposed electrical junction box at D1 571+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	20180215-WMATA-WP-2		
	2018	02	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	D-Line, Track 2, D2 552+00 to New Carrollton (D13) D-Line, Track 1, Cheverly (D11) to Deanwood (D10)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	13				
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 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)	D-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To					
					New Carrollton (D13)			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		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.22 15:29:13 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>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 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. In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle.</p> <p>The AMF did notify the RWIC via positive communication (phone) that he was in place (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 hotspots (i.e., curve: restricted view and blind spot) 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 hotspot. 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	PI	
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										
	AC OR DC ELECTRICAL FACILITIES, AC UNIT SUBSTATIONS, AUXILIARY ELECTRICAL ROOMS, TRACTION POWER SUBSTATIONS, DC TIE BREAKER SUBSTATIONS, 14 DAY INSPECTION (REVISION 3, AUGUST, 2011)										
	ATC 3004 – ATC WAYSIDE INSPECTIONS (REVISION 1, AUGUST, 2014)										
	THIRD RAIL HEAT TAPE SYSTEM – 365 DAY INSPECTION (REVISION 3, JUNE 2013)										
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			
					D2 552+00 Cheverly (D11)			New Carrollton (D13) Deanwood (D10)			



Vehicles	Head Car Number	Number of Cars	Equipment	N/A				
	N/A	N/A						
Description	<p>An FWSO inspector observed WMATA personnel conducting a walking cable inspection on tracks 1 and 2 of the D-Line from D2 552+00 to New Carrollton (D13) and Cheverly (D11) to Deanwood (D10).</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none">• TRST 1000 Manual, 13.5.7: Third rail end approach was observed missing cover board at D2 553+00.• DD-TP-SSI-013: Two power cable pigtails were observed to be frayed at D2 553+00.• PMI (Heat Tape): #4 American Wire Gauge (AWG) wire was observed not exothermically welded to the third rail and hence heat tape was inoperable at D2 587+00, Trackside Heater Control Panel H2-D12-52B3.• PMI (Heat Tape): #4 American Wire Gauge wire was observed not exothermically welded to the running rail and hence heat tape was inoperable at D2 587+00, Trackside Heater Control Panel H2-D12-52B3.• DD-TP-SSI-013: Missing heat shrink and O-Z Gedney bushing on power conduit stub-up were observed at D2 591+00.• DD-TP-SSI-013: Broken power conduit stub-up and missing O-Z Gedney bushing were observed at D2 592+00.• TRST 1000 Manual, 13.5.7: Third rail end approach was observed missing cover board at D1 413+00.• TRST 1000 Manual, 3.1.2.5: ETS blue light was out at D1 412+00, box D119.• ATC 3000 Manual, Section 3004.2.3: Two damaged cross-bond cables at duct bank/track transition were observed at D1 400+00.• PMI (AC or DC Facility): Heavy standing water surrounding outside and front entrance of tie-breaker house was observed at D1 394+00.• ATC 3000 Manual, Section 3004.2.3: One damaged cross-bond cable with temporary repair at duct bank/track transition (duct seal missing) was observed at D1 384+00.• ATC 3000 Manual, Section 3004.2.3: Impedance bond cabling from side lead to running rail (left rail) was badly nicked at D1 372+00.• DD-TP-SSI-013: Two missing O-Z Gedney bushings in power conduit stub-ups were observed at D1 307+00. <p>Other Notable Observations:</p> <ul style="list-style-type: none">• Cables lying on the ground were observed at D2 591+00.• Cables lying on the ground were observed at D1 402+00.• Third rail end approach was showing signs of excessive wear at D2 394+00.• Cables lying on the ground were observed at D1 307+00.				Number of Defects	13		
					Recommended Finding?	No		
					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 install missing third rail cover board on end approach at D2 553+00.• WMATA must replace both frayed power cable pigtails at D2 553+00.• WMATA must weld #4 AWG wire to third rail to make heat tape operable at D2 587+00, Trackside Heater Control Panel H2-D12-52B3.• WMATA must weld #4 AWG wire to running rail to make heat tape operable at D2 587+00, Trackside Heater Control Panel H2-D12-52B3.• WMATA must install heat shrink and O-Z Gedney bushing on power conduit stub-up at D2 591+00.• WMATA must repair/replace broken conduit stub-up and install O-Z Gedney bushing at D2 592+00.• WMATA must install missing third rail cover board on end approach at D1 413+00.• WMATA must repair ETS blue light at D1 412+00, box D119.• WMATA must replace two damaged cross-bond cables at D1 400+00.• WMATA must mitigate water intrusion outside of Tie-Breaker House at D1 394+00.• WMATA must replace damaged cross-bond cable at D1 384+00.• WMATA must replace nicked cable from impedance bond to running rail at D1 372+00.• WMATA must install two O-Z Gedney bushings in power conduit stub-ups at D1 307+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	20180215-WMATA-WP-3		
	2018	02	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]
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-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	2				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6464					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)	D-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To					
					New Carrollton Yard (D99)			New Carrollton Yard (D99)					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.23 13:39:57 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard				



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspector received a job safety briefing from TRST 6464 at New Carrollton Yard (D99) Track Inspection office prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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 6464				Accompanied Inspector?	Yes		Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No
Related Reports	20171004-WMATA-AG-1 20160406-WMATA-MWP-1 20160825-WMATA-TL-1 20160831-WMATA-RPM-1 20160412-WMATA-TGB-1				Related CAPS / Findings		Remedial Action ID #: 1678, 118, 936, 937, 1682, 944, 945, 946, 947, 948, 244, 245						
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	FWSO inspector observed WMATA employees and contractors perform a track inspection on track 2 of the D-Line between Deanwood (D10) and New Carrollton (D13). Inspectors also inspected track conditions and followed up on previously issued remedial actions. The following non-color-coded defects were observed: <ul style="list-style-type: none"> ● TRST 1000, 3.1.2.5: At D2 486+00 ETS the light was out at Box D138. ● TRST 1000 13.3.15: At D2 553+10, the end third rail cover board was missing. The following remedial actions were verified as complete: <ul style="list-style-type: none"> ● Remedial Action ID #1678: WMATA has replaced rail at D2 416+40. ● Remedial Action ID #118: WMATA has replaced cover board at end approach at Cheverly Station. ● Remedial Action ID #936: WMATA repaired the joint bar at D2 460+50. ● Remedial Action ID #937: WMATA repaired the defective fasteners at D2 473+90. ● Remedial Action ID #1682: WMATA removed relay rail at D2 477+20. ● Remedial Action ID #944: WMATA repaired the cover board insulators at D2 516+00. ● Remedial Action ID #945: WMATA replaced ties at D2 523+50. ● Remedial Action ID #946: WMATA repaired third rail insulators from D2 540+00 to D2 546+40. ● Remedial Action ID #947: WMATA replaced ties at D2 540+00. 						Number of Defects		2				
							Recommended Finding?		No				
							Remedial Action Required?		Yes				
							Recommended Reinspection?		Yes				



	<ul style="list-style-type: none">• Remedial Action ID #948: WMATA replaced fasteners from D2 546+54 to D2 565+80.• Remedial Action ID #244: WMATA repaired ETS light at D2 563+00.• Remedial Action ID #245: WMATA repaired cabinet door at D2 578+70.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must repair the ETS light at Box D138, D2 486+00.• WMATA must replace end cover board at D2 553+10.		



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	20180216-WMATA-WP-1		
	2018	02	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	Shirley Highway (C08 – Pentagon City) Traction Power Substation (TPSS)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TP	JSB	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	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	N/A	Chain Marker and/or Station(s)			From		To				
								Shirley Highway (C08) TPSS		Shirley Highway (C08) TPSS				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Tino Sahoo			

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.02.23 13:54:06 -05'00'



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	The FWSO inspector received a job safety briefing from the WMATA power personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered the nearest hospital and safety rule of the day. The potential safety hazards were discussed. 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 Observation				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							
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) AC OR DC ELECTRICAL FACILITIES, AC UNIT SUBSTATIONS, AUXILIARY ELECTRICAL ROOMS, TRACTION POWER SUBSTATIONS, DC TIE BREAKER SUBSTATIONS, 14 DAY INSPECTION (REVISION 3, AUGUST, 2011)															
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								
					Shirley Highway (C08) TPSS			Shirley Highway (C08) TPSS								
Vehicles	Head Car Number		Number of Cars		Equipment	Positive Feeder Cable (1000MCM, shielded)										
	N/A		N/A													
Description	The FWSO inspector observed electrical contractors and WMATA power personnel pull the slack out of two top fed positive feeder cables that terminate on Feeder Breaker #2 of the DC switchgear, undo the current temporary configuration of the cables being spliced via terminal lugs, and then splice the cables correctly with barrel lugs and a splice kit (termination kit). Top fed means the cables from the third rail on mainline track to the feeder breakers in the TPSS are in cable tray above the DC switchgear and terminate on the feeder breakers from above and not below ground. Also, the FWSO inspector visually inspected the condition of all electrical equipment in the traction power substation and the overall facility condition. Shirley Highway (C08) TPSS was visually inspected for compliance with the Preventative Maintenance Instruction (PMI) for TPSS. 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	20180216-WMATA-WP-2		
	2018	02	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]
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-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	8				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6464					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)	D-Line	Track Number	N/A	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										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.02.23 14:08:40 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard				



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspector received a job safety briefing from TRST 6464 at New Carrollton Yard (D99) Track Inspection office prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0				
								Recommended Finding?		No				
								Remedial Action Required?		No				
	The FWSO inspector did not note any defects.							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 6464				Accompanied Inspector?	Yes		Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	20180203-WMATA-WP-1				Related CAPS / Findings			Remedial Action ID #: 2112						
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 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	FWSO inspector observed WMATA employees and contractors perform a track inspection on track 1 of the D-Line between New Carrollton (D13) and Deanwood (D10). Inspectors also inspected track conditions and followed up on previously issued remedial actions.							Number of Defects		8				
								Recommended Finding?		No				
								Remedial Action Required?		Yes				
	The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.1.2.5: At D1 502+00, Emergency Trip Station (ETS) light was out at Box D143. TRST 1000, 3.1.2.5: At D1 486+00, ETS light was out at Box D139. TRST 1000, 3.1.2.5: At D1 478+00, ETS light was out at Box D137. TRST 1000, 3.1.2.5: At D1 471+00, ETS light was out at Box D135. TRST 1000, 3.1.2.5: At D1 465+00, ETS light was out at Box D133. TRST 1000, 3.1.2.5: At D1 458+00, ETS light was out at Box D131. TRST 1000, 3.1.2.5: At D1 450+30, ETS light was out at Box D129. TRST 1000 13.3.15: At D1 413+40, the end third rail cover board was missing. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action ID #2112: WMATA has replaced the cover board at end approach at D1 402+00. 							Recommended Reinspection?		Yes				
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must repair ETS light at Box D143, D1 502+00. WMATA must repair ETS light at Box D139, D1 486+00. WMATA must repair ETS light at Box D137, D1 478+00. WMATA must repair ETS light at Box D135, D1 471+00. WMATA must repair ETS light at Box D133, D1 465+00. WMATA must repair ETS light at Box D131, D1 458+00. WMATA must repair ETS light at Box D129, D1 450+30. WMATA must replace the end cover board at D1 413+40. 													



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	20180218-WMATA-WP-1		
	2018	02	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]
Inspection Location	C-Line, Track 2, Rosslyn (C05)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Work Zone Setup Observation			Activity Code		TRK	WI	OBS
Job Briefing Employee Name/Title	N/A			Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	0800-0900	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
	X		X						X					
Line(s)	C-Line		Track Number	Track 2		Chain Marker and/or Station(s)	From		To					
							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		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.06 11:55:48 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa				



Description	FWSO inspector performed a station platform observation and work zone set-up verification at C2 140+90. FWSO inspector observed the condition of the track bed, cover boards, Emergency Trip Station (ETS) lights, drainage, and general track conditions, as well as reviewing the work limit established at this location for compliance with the roadway worker protection manual. The following non-color-coded defect was observed: <ul style="list-style-type: none">RWPM 2.17.3 pg. 40: At C2 140+90, an e-flare light was not working. See figure 1 below	Number of Defects	1
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	No
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">WMATA must ensure proper RWP setup.		

Photos



Figure 1: At C2 140+90, e-flare light was not operating.



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	20180221-WMATA-WP-1		
	2018	02	21				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, Track 2, Rockville (A14) to Twinbrook (A13)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X					X						
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Rockville (A14)		Twinbrook (A13)					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard, Anthony Johnson			



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspectors received a job safety briefing from TRST 601 at Rockville (A14) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0	
								Recommended Finding?		No	
								Remedial Action Required?		No	
	The FWSO inspector did not note any defects.							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 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	20170414-WMATA-WP-1		Related CAPS / Findings		Remedial Action ID #: 1283, 1282						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	TRST-1000 rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X			
Line(s)	A-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Rockville (A14)			Twinbrook (A13)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspectors observed WMATA employees perform a track inspection on track 2 of the A-Line between Rockville (A14) and Twinbrook (A13). Inspectors also inspected track conditions and followed up on previously issued remedial actions. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000 13.3.2.5: At A2 784+87, the ETS light was out at box A216. TRST 1000 13.3.4: At A2 777+00, a bolt was sticking out of explanation joint and missing castle nut and cotter pin. TRST 1000 13.3.2.5: At A2 769+53, the ETS box A212 was missing a cover. TRST 1000 13.3.15: At A2 737+90, the end third rail cover board was missing. TRST 1000 13.3.15: At A2 723+45, the ETS light was out at box A200, and the end third rail cover board was missing. TRST 1000 13.3.15: At A2 704+30, the end third rail cover board was missing. TRST 1000 13.3.15: At A2 701+10, the end third rail cover board was missing. The following remedial actions were verified as complete: <ul style="list-style-type: none"> Remedial Action ID #1283: WMATA has replaced neoprene sleeve on cable pigtail at A2 787+00. Remedial Action ID #1282: WMATA has replaced heat shrink at A2 788+00. 							Number of Defects		7	
								Recommended Finding?		No	
								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 A2784+87 Box A216. WMATA must install the missing nut and carter pin in explanation joint at A2 777+00. 										



- | | |
|--|--|
| | <ul style="list-style-type: none">• WMATA must repair the broken door at ETS box A212 at A2 769+53.• WMATA must replace the cover board end at A2 737+90.• WMATA must repair the ETS light at A2784+87 Box A216.• WMATA must replace the cover board end at A2 704+30.• WMATA must Replace the cover board end at A2 701+10. |
|--|--|



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	20180221-WMATA-WP-2		
	2018	02	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	F-Line, Track 1, Naylor Rd (F09) to Branch Ave (F11)						

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	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 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)	F-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To						
						Naylor Rd (F09)		Naylor Rd (F09)						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 08:53:10 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) at Naylor Rd (F09) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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 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										
	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)	F-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From		To				
					Naylor Rd (F09)		Branch Ave (F11)				
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 F-Line from Naylor Rd (F09) to Branch Ave. (F11). The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000 Manual, 3.2.2.1: Standing water was observed at F1 466+00. EMI: Power cables were installed and stood off the ground using metal kindorf at F1 515+00. Other Notable Observations: <ul style="list-style-type: none"> Cables lying on the ground were observed at F1 418+00. Cables lying on the ground were observed at F1 428+00. Cables lying on the ground were observed at F1 438+00. Cables lying on the ground were observed at F1 496+00. 						Number of Defects	2			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must mitigate water intrusion at F1 466+00. WMATA must install cables per EMI at F1 515+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	20180222-WMATA-WP-1		
	2018	02	22				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, Track 1, Cleveland Park (A05) to Tenleytown-AU (A07)						

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	6				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No
Related Reports	N/A					Related CAPS / Findings		N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	RWPM												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X						X				
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Cleveland Park (A05)		Cleveland Park (A05)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 10:40:50 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard, Anthony Johnson				



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspectors received a job safety briefing from TRST 601 at Cleveland Park (A05) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.							Number of Defects		0		
								Recommended Finding?		No		
								Remedial Action Required?		No		
	The FWSO inspector did not note any defects.							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 601			Accompanied Inspector?	Yes		Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No
Related Reports	20180104-WMATA-WP-2 20170331-WMATA-WP-2 Safety Directive 15-1			Related CAPS / Findings			Remedial Action ID #: 1928, 1930, 1931, 1932, 1266, 1265, 1264, 1933, 1940, 1941 Corrective Action Plan (CAP): 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		P.O. 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)	A-Line	Track Number	Track 1	Chain Marker and/or Station(s)			From		To			
							Cleveland Park (A05)		Tenleytown-AU (A07)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A					
	N/A		N/A									
Description	FWSO inspectors observed WMATA employees perform a track inspection on track 1 of the A-Line between Cleveland Park (A05) and Tenleytown-AU (A07). Inspectors also inspected track conditions and followed up on previously issued remedial actions.							Number of Defects		6		
								Recommended Finding?		No		
								Remedial Action Required?		Yes		
	<p>The following color-coded defect was noted:</p> <ul style="list-style-type: none"> TRST 1000, Table 7.1: There were three consecutive defective fasteners in 90 inches at A1 220+30 on the right rail in a tangent track. Yellow Condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 13.3.15: At A1 194+50, the end third rail cover board was missing. TRST 1000 13.3.4: At A1 216+30, the third rail anchor was broken. Permanent Order R-17-03: The train operator did not appear to reduce speed to 10 MPH. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. TRST 1000 13.3.4: At A1 219+30, the third rail anchor was broken. TRST 1000 13.3.4: At A1 227+40, the third rail anchor was broken. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1928: WMATA has repaired the water intrusion at A1 182+00. Remedial Action ID #1930: WMATA has unclogged the drain at A1 191+00. Remedial Action ID #1931: WMATA has unclogged the drain at A1 192+00. Remedial Action ID #1932: WMATA has repaired the ETS box door at A1 192+00. 							Recommended Reinspection?		Yes		



	<ul style="list-style-type: none">• Remedial Action ID #1266: WMATA has replaced the heat shrink on conduit stub-up at A1 195+00.• Remedial Action ID #1265: WMATA has replaced the OZ Gedney bushings at A1 195+00.• Remedial Action ID #1264: WMATA has replaced the orange boots at A1 195+00.• Remedial Action ID #1933: WMATA has replaced the heat shrink on the conduit stub-up at A1 197+00.• Remedial Action ID #1940: WMATA has unclogged the drain at A1 256+00.• Remedial Action ID #1941: WMATA has replaced the heat shrink on the conduit stub-up at A1 256+00.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must replace the fasteners at A1 220+30.• WMATA must replace the third rail end cover at A1 194+50.• WMATA must repair the broken third rail anchor at A1 216+30.• WMATA must repair the broken third rail anchor at A1 219+30.• WMATA must repair the broken third rail anchor at A1 277+40.		



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	20180222-WMATA-WP-2		
	2018	02	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	G-Line, Track 2, Benning Rd (G01) to Addison Rd (G03)						

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	11				
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 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)	G-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To				
							Benning Rd (G01)		Benning Rd (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		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 10:48:58 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) at Benning Rd (G01) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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 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										
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 2	Chain Marker and/or Station(s)	From			To			
					Benning Rd (G01)			Addison Rd (G03)			
Vehicles	Head Car Number	Number of Cars		Equipment	N/A						
	N/A	N/A									
Description	FWSO inspector observed WMATA employees perform a cable inspection on track 2 of the G-Line between Benning Rd (G01) to Addison Rd (G03). Inspectors also inspected cable and third rail conditions. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000 Manual, 3.2.2.1: Standing water was observed at G2 396+00. TRST 1000 Manual, 3.2.2.1: Clogged drains were observed at G2 396+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at G2 397+00. TRST 1000 Manual, 3.2.2.1: Clogged drains were observed at G2 397+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at G2 415+00. TRST 1000 Manual, 3.2.2.1: Clogged drains were observed at G2 415+00. TRST 1000 Manual, 3.2.2.1: Clogged drains were observed at G2 436+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at G2 449+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at G2 465+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at G2 467+00. TRST 1000 Manual, 3.2.2.1: Clogged drains were observed at G2 467+00. 						Number of Defects	11			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must mitigate water intrusion at G2 396+00. WMATA must unclog drains at G2 396+00. WMATA must mitigate water intrusion and clean up mud at G2 397+00. WMATA must unclog drains at G2 397+00. WMATA must mitigate water intrusion and clean up mud at G2 415+00. WMATA must unclog drains at G2 415+00. 										



- | | |
|--|--|
| | <ul style="list-style-type: none">• WMATA must unclog drains at G2 436+00.• WMATA must mitigate water intrusion and clean up mud at G2 449+00.• WMATA must mitigate water intrusion and clean up mud at G2 465+00.• WMATA must mitigate water intrusion and clean up mud at G2 467+00.• WMATA must unclog drains at G2 467+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	20180223-WMATA-WP-1		
	2018	02	23				
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	A-Line, Track 1, Woodley Park (A04) to Cleveland Park (A05)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 601					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No
Related Reports	N/A					Related CAPS / Findings		N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	RWPM												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X						X				
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Woodley Park (A04)		Woodley Park (A04)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 15:07:05 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Lee Emard, Anthony Johnson				



United States Department of Transportation
Federal Transit Administration

Description	<p>FWSO inspectors received a job safety briefing from TRST 601 at Woodley Park (A04) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No						
Related Reports	20180102-WMATA-WP-2 20180104-WMATA-WP-2 20170331-WMATA-WP-2		Related CAPS / Findings		Remedial Action ID #: 1921, 1924, 1263											
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard		Other / Title		Checklist Reference							
	TRST-1000 rev. 6															
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A					
	X								X							
Line(s)	A-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To								
					Woodley Park (A04)			Cleveland Park (A05)								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A										
	N/A		N/A													
Description	<p>FWSO inspectors observed WMATA employees perform a track inspection on track 1 of the A-Line between Woodley Park (A04) and Cleveland Park (A05). Inspectors also inspected track conditions and followed up on previously issued remedial actions.</p> <p>The following non color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.17.4.1: From A1 134+00 to A1 337+70, there was relay rail between the running rail and catwalk, which was a tripping hazard. TRST 1000 13.3.15: At A1 134+60, the end third rail cover board was missing. TRST 1000 7.9.2.5: From A1 45+95 to A1 146+40, there were five fastener studs that exceeded the height limit of three inches. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1921: WMATA has replaced the high stud at A1 145+60, left rail. Remedial Action ID #1924: WMATA has repaired the water intrusion and cleaned up debris at A1 148+00. Remedial Action ID #1263: WMATA has cleaned out the catch basin at A1 154+00 to A1 156+00. 						Number of Defects	3								
							Recommended Finding?	No								
							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 remove the relay rail at A1 134+00 to CM A1 137+70. WMATA must replace the third rail end cover at A1 134+60. WMATA must cut five fastener studs at A1 145+90 to A1 146+40. 															



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	20180224-WMATA-WP-1		
	2018	02	24				
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	Arlington Cemetery (C06) – C2 209+00 to C2 205+00 and C2 200+00 to C2 195+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 Required¹	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	0100-0700	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												
	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	N/A	Chain Marker and/or Station(s)	From			To					
					Arlington Cemetery (C06)			Arlington Cemetery (C06)					
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		Date	
WINSLOW L. POWELL		 <small>Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 15:09:54 -05'00'</small>	
Inspector in Charge – Name Winslow Powell	Inspection Team Tino Sahoo		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) at Arlington Cemetery (C06) prior to entering the roadway. The briefing covered the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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					Heat Tape Installation Observation		Activity Code		TP	RM	OBS
Job Briefing Employee Name/Title	WMATA RWIC					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0700	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			
	RTR TECHNOLOGIES, INC. INSTALLATION INSTRUCTIONS FOR PTC-Z CONTACT RAIL HEATER FOR ALUMINUM CLAD AND STEEL THIRD RAIL (MARCH 22, 2013, REVISION B)												
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				
					C2 209+00 C2 200+00				C2 205+00 C2 195+00				
Vehicles	Head Car Number		Number of Cars		Equipment	Contact Rail Heat Tape							
	N/A		N/A										
Description	The FWSO inspector observed WMATA's power department install contact rail heat tape, weld the necessary cables to the contact rail from the heat tape shoebox for the heat tape to be functional, and splice cables. Eight hundred and forty linear feet of heat tape was installed with u-channel and spring clips. At C2 213+00 heat tape shoebox, a #4 American Wire Gauge (AWG) conductor was replaced and welded to the contact rail. At C2 205+00 heat tape shoebox, a #4 AWG conductor was replaced and welded to the contact rail, heat tape A-segment and B-segment hot conductors (#10 AWG) were spliced (#10 AWG to #6 AWG) to heat tape shoebox, and heat tape A-segment and B-segment ground conductors (#10 AWG) were spliced to #6 AWG conductors that were run through liquatite flexible conduit from trackside heater control panel HC-C06-32A2 to heat tape shoebox. During the inspection, the FWSO inspector observed WMATA's power department installing heat tape and its various components per the manufacturer's installation instructions for PTC-Z Contact Rail Heater for Aluminum Clad and Steel Third Rail (issued March 22, 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	20180225-WMATA-WP-1		
	2018	02	25				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	B-Line, Track 1 & 2, Glenmont (B11)						

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	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6022					Accompanied Inspector?	No	Out Brief Conducted	No	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)	B-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Glenmont (B11)		Glenmont (B11)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A						
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Alexander Nepa			



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspectors received a job safety briefing from TRST 6022 at Glenmont (B11) briefing table prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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 Shutdown Work Zone Observation				Activity Code	TRK	WI	PI						
Job Briefing Employee Name/Title	TRST 6022		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							
Line(s)	B-Line	Track Number	Track 1 & 2	Chain Marker and/or Station(s)	From			To								
					Glenmont (B11)			Glenmont (B11)								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A										
	N/A		N/A													
Description	FWSO inspectors performed a work zone set-up verification on tracks 1 and two of the B-Line at Glenmont (B11) between B1 676+46 and 724+90 and B2 674+46 and 727+90. Inspectors also inspected track conditions in the area. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At B2 718+00, a tunnel leak was observed and there was water striking the running surface of the rail and a newly installed bond cable. See figure 1 and 2 below. TRST 1000 13.5.7: At B2 676+10 and 676+60, at the third rail break, both end cover boards were missing. TRST 1000 3.1.2.2: At B1 677+90, the base pipe in the track center catch basin was blocked with silt, which was causing water to overflow and not drain as designed. TRST 1000 3.1.2.2: At B1 711+00, the base pipe in the track center catch basin was blocked with silt, which was causing water to overflow and not drain as designed. RWPM Page 71: In the work zone area between 719+00 and 715+00, no Warning Strobe and Alarm Devices (WASDs) were observed in use. 						Number of Defects	5								
							Recommended Finding?	No								
							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 B2 718+00. WMATA must replace the missing end cover boards at B2 676+10 and 676+60. WMATA must clean the center catch basin at B1 677+90. WMATA must clean the center catch basin at B1 711+00. WMATA must ensure all work zone protection equipment is installed and functioning properly. 															



Photos



Figure 1: Tunnel leak at B2 718+00.



Figure 2: Water striking rail and bond wire at B2 718+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	20180225-WMATA-WP-2		
	2018	02	25				
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	Arlington Cemetery (C06) – C2 209+00 to C2 205+00 and C2 200+00 to C2 195+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	0100-0700	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													
	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	N/A	Chain Marker and/or Station(s)	From			To						
					Arlington Cemetery (C06)			Arlington Cemetery (C06)						
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, pu=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.01 15:21:42 -05'00'		Date	
Inspector in Charge – Name Winslow Powell		Inspection Team Tino Sahoo					



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) at Arlington Cemetery (C06) prior to entering the roadway. The briefing covered the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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	Heat Tape Installation Observation					Activity Code	TP	RM	OBS
Job Briefing Employee Name/Title	WMATA RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0700	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		
	RTR TECHNOLOGIES, INC. INSTALLATION INSTRUCTIONS FOR PTC-Z CONTACT RAIL HEATER FOR ALUMINUM CLAD AND STEEL THIRD RAIL (MARCH 22, 2013, REVISION B)										
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			
					C2 209+00 C2 200+00			C2 205+00 C2 195+00			
Vehicles	Head Car Number	Number of Cars		Equipment	Contact Rail Heat Tape						
	N/A	N/A									
Description	The FWSO inspector observed WMATA's power department install contact rail heat tape, weld the necessary cables to the contact rail from the heat tape shoebox for the heat tape to be functional, and splice cables. At C2 197+00 heat tape shoebox, a #4 AWG conductor was replaced and welded to the running rail, this same #4 AWG conductor was run in Iquatite flexible conduit from running rail to the trackside heater control panel HC-C06-32A3, heat tape A-segment and B-segment hot conductors (#10 AWG) were spliced (#10 AWG to #6 AWG) to heat tape shoebox, and heat tape A-segment and B-segment ground conductors (#10 AWG) were spliced to #6 AWG conductors that were run through Iquatite flexible conduit from trackside heater control panel HC-C06-32A3 to heat tape shoebox. During the inspection, the FWSO inspector observed WMATA's power department installing heat tape and its various components per the manufacturer's installation instructions for PTC-Z Contact Rail Heater for Aluminum Clad and Steel Third Rail (issued March 22, 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	20180226-WMATA-WP-1		
	2018	02	26				
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	Rosslyn (C05), Courthouse (K01), Clarendon (K02), Virginia Square (K03), Ballston-MU (K04), East Falls Church (K05), West Falls Church (K06), Dunn Loring (K07), Vienna (K08) Train Control Rooms (TCRs)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		ATC	JSB	OBS
Job Briefing Employee Name/Title	WMATA ATC Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1500 to 1900	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	C- and K-Lines		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		WINSLOW L. POWELL		Date	
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo			



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspector received a job safety briefing from the WMATA ATC personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA ATC 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					Train Control Room Visual Inspection			Activity Code		ATC	RM	PI
Job Briefing Employee Name/Title	WMATA ATC Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1500 to 1900	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	ATC 3000 – TRAIN CONTROL ROOM WEEKLY INSPECTIONS (REVISION 1, AUGUST, 2014)													
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	N/A	Chain Marker and/or Station(s)	From		To							
					Rosslyn (C05) TCR Courthouse (K01) TCR Clarendon (K02) TCR Virginia Square (K03) TCR Ballston-MU (K04) TCR East Falls Church (K05) TCR West Falls Church (K06) TCR Dunn Loring (K07) TCR Vienna (K08) TCR	Rosslyn (C05) TCR Courthouse (K01) TCR Clarendon (K02) TCR Virginia Square (K03) TCR Ballston-MU (K04) TCR East Falls Church (K05) TCR West Falls Church (K06) TCR Dunn Loring (K07) TCR Vienna (K08) TCR								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											
Description	The FWSO inspector visually inspected the condition of all automatic train control equipment in the train control room and the overall facility condition. All train control rooms were visually inspected for compliance with the ATC-3000 train control manual. 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	20180227-WMATA-WP-1		
	2018	02	27				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	E-Line, track 1, Fort Totten (E06) to Mt. Vernon Sq. (E01)						

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6302					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X					X						
Line(s)	E-Line	Track Number	N/A		Chain Marker and/or Station(s)		From			To				
							Fort Totten (E06)			Fort Totten (E06)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Alexander Nepa		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspectors received a job safety briefing from TRST 6302 at Fort Totten (E06) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6302		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	Outside Shift	No	
Related Reports	20170208-WMATA-AD-1 Safety Directive 15-1		Related CAPS / Findings		Remedial Action ID #: 1143 Corrective Action Plan (CAP): 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	P.O. R-17-03									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X						X		
Line(s)	E-Line	Track Number	Track 1	Chain Marker and/or Station(s)		From		To			
						Fort Totten (E06)		Mt. Vernon Sq. (E01)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors observed WMATA employees perform a track inspection on track 1 of the E-Line between Fort Totten (E06) and Mt. Vernon Sq. (E01). Inspectors also inspected track conditions and followed up on previously issued remedial actions.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.1.2.2: Between E1 153+00 and 152+00, on the third rail side and under the third rail, mud and debris were observed and water was not draining as designed. P.O. R-17-03: At E1 25+00, at 1122 hours a train with lead car number 6061 approached the advance watchman without sounding its main line horn as required. The train passed the advance watchman at a speed that appeared to be greater than 10 MPH. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. TRST 1000, 5.27: Between E1 141+00 and 133+00, the restraining rail throughout the curve was observed to have multiple broken restraining rail and plate bolts. TRST 1000 13.5.7: At E1 133+00 at the third rail break, the two end cover boards are missing. TRST 1000 13.5.7: At E1 130+75, the third rail end cover board is missing. TRST 1000 5.27: Between E1 099+00 and 085+00 the restraining rail throughout the curve was observed to have multiple broken restraining rail and plate bolts. Additionally, wedge braces were observed to be missing. TRST 1000 13.5.7: At E1 45+20 and 45+70 at the third rail break, both end third rail cover boards are missing. <p>The following remedial action was verified as complete:</p> <ul style="list-style-type: none"> Remedial Action ID #1143: The missing third rail end cover board at E1 0052+00 has been replaced. 						Number of Defects	7			
							Recommended Finding?	No			
							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 remove the mud and debris and allow the water to drain under the third rail between E1 153+00 and 153+00.• WMATA must replace the broken restraining rail and plate bolts between E1 141+00 and 133+00.• WMATA must replace the missing third rail end cover board at E1 133+00.• WMATA must replace the missing third rail end cover board at E1 130+75.• WMATA must replace the broken restraining rail and plate bolts and reinstall the missing braces between E1 099+00 and 085+00.• WMATA must replace the missing third rail end cover boards at E1 45_20 and 45+70.
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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	20180227-WMATA-WP-2		
	2018	02	27				
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	Shady Grove (A15), Rockville (A14), Twinbrook (A13), White Flint (A12), Grosvenor-Strathmore (A11), Medical Center (A10), Bethesda (A09), Friendship Heights (A08), Tenleytown (A07), Van Ness (A06) Train Control Rooms (TCR)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	ATC-JSB-OBS	ATC-RM-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	3				
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		ATC	JSB	OBS
Job Briefing Employee Name/Title	WMATA ATC Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1500 to 1900	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference					
	MSRPH													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X									X		
Line(s)	A-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Shady Grove (A15)		Shady Grove (A15)					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTA HQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.06 12:08:51 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo				



United States Department of Transportation
Federal Transit Administration

Description	FWSO inspector received a job safety briefing from the WMATA ATC personnel. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA ATC 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					Train Control Room Visual Inspection			Activity Code		ATC	RM	PI
Job Briefing Employee Name/Title	WMATA ATC Personnel					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1500 to 1900	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	ATC 3000 – TRAIN CONTROL ROOM WEEKLY INSPECTIONS (REVISION 1, AUGUST, 2014)													
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							
					Shady Grove (A15) TCR Rockville (A14) TCR Twinbrook (A13) TCR White Flint (A12) TCR Grosvenor-Strathmore (A11)TCR Medical Center (A10) TCR Bethesda (A09) TCR Friendship Heights (A08) TCR Tenleytown (A07) TCR Van Ness (A06) TCR	Shady Grove (A15) TCR Rockville (A14) TCR Twinbrook (A13) TCR White Flint (A12) TCR Grosvenor-Strathmore (A11)TCR Medical Center (A10) TCR Bethesda (A09) TCR Friendship Heights (A08) TCR Tenleytown (A07) TCR Van Ness (A06) TCR								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											
Description	The FWSO inspector visually inspected the condition of all automatic train control equipment in the train control room and the overall facility condition. All train control rooms (TCR) were visually inspected for compliance with the ATC-3000 train control manual. The following non-color-coded defects were observed: <ul style="list-style-type: none"> ATC 3000 Manual, Section 3002A.1.5: Standing water was observed surrounding conduit stub-ups at Shady Grove (A15) TCR. ATC 3000 Manual, Section 3002A.1.5: Water infiltration was observed above rack TM5 at Friendship Heights (A08) TCR. ATC 3000 Manual, Section 3002A.1.3: Lighting of room was observed to be deficient at Friendship Heights (A08) TCR. 							Number of Defects		3				
								Recommended Finding?		No				
								Remedial Action Required?		Yes				
								Recommended Reinspection?		Yes				
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none"> WMATA must mitigate water intrusion at Shady Grove (A15) TCR. WMATA must mitigate water intrusion at Friendship Heights (A08) TCR. WMATA must fix lighting at Friendship Heights (A08) TCR. 													



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	20180228-WMATA-WP-1		
	2018	02	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]
Inspection Location	E-Line, track 2, Fort Totten (E06) to Prince George's Plaza (E08)						

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	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing		Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6699					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)	E-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To				
							Fort Totten (E06)		Fort Totten (E06)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Anthony Johnson, Alexander Nepa		



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	FWSO inspectors received a job safety briefing from TRST 6699 at Fort Totten (E06) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. 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 6699		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	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	X	X						
Line(s)	E-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To								
					Fort Totten (E06)			Prince George's Plaza (E08)								
Vehicles	Head Car Number		Number of Cars		Equipment	N/A										
	N/A		N/A													
Description	FWSO inspectors observed WMATA and contract personnel perform a track inspection on track 2 of the E-Line between Fort Totten (E06) and Prince George's Plaza (E08). Inspectors also inspected track conditions in the area. The following color-coded defect was observed: <ul style="list-style-type: none"> TRST 1000, table 7.1: At E2 340+75, four consecutive defective fasteners were observed, 132 inches between holding non-defective fasteners. Black Condition. The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000, 3.2.2.4.: At E2 383+60, at the vent shaft a side wall tunnel leak was observed. TRST 1000 3.1.2.2: At E2 389+10, water was not draining as designed and pooling water was observed under the third rail. TRST 1000, 5.27: At E2 288+40, a tunnel leak was observed that was allowing water to strike the third rail cover board, the third rail, and the left running rail. TRST 1000 10.15: Between E2 313+00 and 336+00, the tunnel lights were not working. TRST 1000 10.14: At E2 344+60, in the center catwalk, ETS box E07-32-36-42 had a broken and disconnected cover. 						Number of Defects	6								
							Recommended Finding?	No								
							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 E2 340+75. WMATA must repair the tunnel leak at the vent shaft at E2 383+60. WMATA must repair the drainage issue at E2 389+10. WMATA must repair the tunnel leak at E2 288+40. WMATA must repair and/or replace the tunnel lights between E2 313+00 and 336+00. WMATA must repair the ETS box at E2 344+60. 															



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	20180228-WMATA-WP-2		
	2018	02	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]
Inspection Location	E-Line, Track 2, Mount Vernon Square (E01) to Fort Totten (E06)						

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	15				
Recommended Finding	No	No				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6302				Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1500	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference				
	RWPM												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X						X				
Line(s)	E-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To				
							Mount Vernon Square (E01)		Mount Vernon Square (E01)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.03.06 12:13:00 -05'00'		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Mike Vitale				



United States Department of Transportation
Federal Transit Administration

Form FTA-IR-1

Description	<p>FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) at Mount Vernon Square (E01) prior to entering the roadway. The briefing covered the type of on-track protection, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.</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			

Inspection Activity #	2	Inspection Subject	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6302		Accompanied Inspector?	Yes	Out Brief Conducted	No	Time	1000-1500	Outside Shift	No	
Related Reports	20170208-WMATA-AD-1		Related CAPS / Findings	Remedial Action ID #: 1141							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X								X		
Line(s)	E-Line	Track Number	2	Chain Marker and/or Station(s)		From		To			
						Mount Vernon Square (E01)		Fort Totten (E06)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspector observed WMATA employees and contractors perform a track inspection on track 2 of the E-Line between Mount Vernon Square (E01) and Fort Totten (E06). Inspectors also inspected track conditions and followed up on previously issued remedial actions.</p> <p>The following color-coded defects were noted:</p> <ul style="list-style-type: none"> TRST 1000, Table 7-1: 114 inches between effective fasteners was observed at E2 73+00. Red condition. <p>The following non-color-coded defects were noted:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: Coverboard was missing at E2 35+00. Remedial action for this defect is addressed in WMATA's approach to remedial action ID #1141. TRST 1000, 13.3.14: Coverboard was missing at E2 45+00. TRST 1000, 10.17.4.1: Rail tripping hazard was present between E2 84+00 and 87+00. TRST 1000, 10.17.4.1: Rail tripping hazard was present at E2 91+00. TRST 1000, 10.17.4.1: Rail tripping hazard was present between E2 96+00 and 97+00. TRST 1000, 3.2.2.4: Water leak was observed at E2 104+60. TRST 1000, 3.2.2.4: Water leak was observed at E2 106+60. TRST 1000, 3.2.2.4: Water leak was observed at E2 138+00. TRST 1000, 10.17.4.1: Rail tripping hazard was present between E2 134+40 and 146+00. TRST 1000, 13.3.14: Coverboard was missing at E2 158+40. TRST 1000, 13.3.14: Coverboard was missing at E2 158+60. TRST 1000, 5.14.14: Incorrect joint bar was installed at E2 172+60. TRST 1000, 13.3.14: Coverboard was missing at E2 198+60. TRST 1000, 3.1.2.5: Defective Emergency Trip Station (ETS) light at box E-84 at E2 250+00. 						Number of Defects	15			
							Recommended Finding?	No			
							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 defective fasteners at E2 73+00.• WMATA must replace missing coverboard at E2 45+00.• WMATA must mitigate tripping hazard between E2 84+00 and 87+00.• WMATA must mitigate tripping hazard at E2 91+00.• WMATA must mitigate tripping hazard between E2 96+00 and 97+00.• WMATA must mitigate water leak at E2 104+60.• WMATA must mitigate water leak at E2 106+60.• WMATA must mitigate water leak at E2 138+00.• WMATA must mitigate tripping hazard between E2 134+40 and 146+00.• WMATA must replace coverboard at E2 158+40.• WMATA must replace coverboard at E2 158+60.• WMATA must replace joint bar at E2 172+60.• WMATA must replace cover board at E2 198+60.• WMATA must replace ETS light at box E-84 at E2 250+00.
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