



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	20180402-WMATA-WP-1		
	2018	04	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]
Inspection Location	B-Line, Judiciary Square (B02) – Tie Breaker Station (TBS)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	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								
Line(s)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Judiciary Square (B02)			Judiciary Square (B02)			
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, ou=WINSLOW L. POWELL
Date: 2018.04.05 11:02:54 -0400



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	Corrective Maintenance					Activity Code	TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard		Other / Title		Checklist Reference				
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) G.E. 750 VDC MC6 BREAKER, ANNUAL INSPECTION (REVISION 2, MARCH 20, 2012)										
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			
						Judiciary Square (B02) TBS		Judiciary Square (B02) TBS			
Vehicles	Head Car Number		Number of Cars		Equipment		G.E. 750 VDC Type MC6 Circuit Breaker				
	N/A		N/A								
Description	The FWSO Inspector observed WMATA's power personnel perform corrective maintenance at Judiciary Square (B02) Tie Breaker on the closing coil and solenoid of gap breaker #46 in order to put the circuit breaker back into service. Adjustments and fine tuning were done in accordance per the parameters listed in the PMI for the General Electric (G.E.) 750 VDC Type MC6 circuit breaker. The FWSO Inspector did not note any defects.						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	No			
Remedial Action	N/A										



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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180403-WMATA-WP-1		
	2018	04	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]
Inspection Location	C-Line, track 1, Crystal City (C09) – King Street (C13)						

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	9				
Recommended Finding	No	No				
Remedial Action Required¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject	Job Safety Briefing				Activity Code	TRK	JSB	OBS	
Job Briefing Employee Name/Title	TRST #6369 AMF #6414		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	RWPM										
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	C-Line	Track Number	1	Chain Marker and/or Station(s)	From			To			
					Crystal City (C09)			Crystal City (C09)			
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=WINSLOW L. POWELL, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.16 14:24:28 -0400</small>
Inspector in Charge - Name Winslow Powell	Inspection Team Robert Maniuszko	



Description	The FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) #6369 at Crystal City Station (C09) prior to entering the roadway. The briefing covered the type of on-track protection - Foul Time (FT) and Train Approach Warning (TAW), the working limits, where to clear, known hazards and hotspots, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. An Advanced Mobile Flagger (AMF) #6414, Inspector (#679) and an Advanced Watchman were assigned with the group. There were six hot spots identified in the Roadway Access Guide. The FWSO inspector did not note any defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Track Inspection Observation				Activity Code	TRK	WI	OBS	
Job Briefing Employee Name/Title	TRST #6369 AMF #6414	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0400	Outside Shift	Yes		
Related Reports	N/A	Related CAPS / Findings	Remedial Action ID #: 1016, 1700, 1702, 1704								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard	Other / Title		Checklist Reference					
	TRST 1000 rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	C-Line	Track Number	1	Chain Marker and/or Station(s)	From		To				
					Crystal City Station (C09)		King Street Station (C13)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

Description	The FWSO inspector observed WMATA employees perform a track inspection on track 1 of the C-Line from Crystal City (C09) to King Street (C13). The Inspector also observed track conditions and followed up on previously issued remedial actions. During the inspection, four remedial actions were verified to be complete. The following color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000, Table 7-1: There were 4 missing pandrol clips in a row on the gauge side of the rail and 2 missing pandrol clips on the field side of the rail at C1 381+00. There was 148-inches between effective fasteners. There was no evidence of geometry impact at the location. TRST Unit #679 called for a TRST Maintenance crew to come and replace the missing pandrol clips. Black Maintenance Condition. The following non-color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000, 13.3.14: There were numerous contact shoes on the ground and the end approach coverboard was missing at C1 494+00. • TRST 1000, 13.3.14: The end approach coverboard was missing at C1 455+30. • TRST 1000, 13.5.3: The third rail anchor arm at C1 502+35 was bowed. • TRST 1000, 13.3.4: The third rail anchor arm needed repair at C1 387+90. • TRST 1000, 13.3.4: The third rail anchor arm needed repair at C1 402+40. • TRST 1000, 13.3.4: The third rail anchor arm needed repair at C1 445+35. There is an existing Maximo ticket #14034914 for this defect. • TRST 1000, 13.3.4: The third rail anchor arm needed repair at C1 521+00. • TRST 1000, 10.14.1: The Emergency Trip Station (ETS) Blue Light was not working at ETS Box C127 located at C1 439+00. 	Number of Defects	9
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none">• WMATA has mitigated stud bolt length at C1 361+00.• WMATA has addressed gap in insulated joint at C1 519+60.• WMATA has replaced coverboard at C1 522+65.• WMATA has replaced end post at C1 522+65.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must replace the missing Pandrol clips at C1 381+00.• WMATA must replace the end approach coverboard at C1 494+00.• WMATA must replace the end approach coverboard at C1 455+30.• WMATA must repair the third rail anchor at C1 502+35.• WMATA must repair the third rail anchor at C1 387+90.• WMATA must repair the third rail anchor at C1 402+40.• WMATA must repair the third rail anchor at C1 445+35.• WMATA must repair the third rail anchor at C1 521+00.• WMATA must repair the ETS Blue Light at ETS Box C127 located at C1 439+00.		



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United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180403-WMATA-WP-2		
	2018	04	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]
Inspection Location	F-Line, Track 1, L'Enfant Plaza (F03) to Southern Avenue (F08)						

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 6432		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330-0500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	F-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						L'Enfant Plaza (F03)		Southern Avenue (F08)			
Vehicles	Head Car Number		Number of Cars		Equipment						
	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		

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 09:12:56 -400'



Description	FWSO inspector received a job safety briefing from TRST 6432 at L'Enfant Plaza (F03) 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	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6432		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330-0500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID # 2064, 2069, 2252, 2251, 2070, 2071, 2249, 2250						
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)	F-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					L'Enfant Plaza (F03)			Southern Avenue (F08)			
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 two of the F-Line between L'Enfant Plaza (F03) and Southern Avenue (F08). Inspector also inspected track conditions in the area. During the inspection, eight remedial actions were verified as complete and four were removed due to duplication.</p> <p>The following non-color-coded defects were noted:</p> <ul style="list-style-type: none"> • TRST 1000, 3.1.2.5: Blue light was not functioning at Emergency Trip Station (ETS) box at F1 118+30. • TRST 1000, 3.2.2.4: Tunnel ceiling was leaking water onto center of track and splashing onto running rails and contact rail at F1 198+30. • TRST 1000, 13.3.14: End coverboard was missing at F1 198+30. • TRST 1000 3.2.2.1: Standing water, heavy mud, and debris were observed between F1 220+00 and F1 221+30. • TRST 1000, 3.2.2.4: Tunnel wall was leaking onto contact rail causing insulator to arc at F1 247+50. • TRST 1000, 3.1.2.5: Blue light was not functioning at ETS box at F1 296+70. • TRST 1000, 3.1.2.5: Blue light was not functioning at ETS box at F1 301+10. <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> • Tunnel wall leak was repaired at F1 069+00. • Drains were unclogged from F1 106+00 to F1 107+00. • Center catch basin was cleaned at F1 116+86. • Mud and debris were cleaned at F1 116+86. • Power conduit stub up was replaced at F1 117+00. • Tunnel wall leak was repaired at F1 118+00. • Heel block bolts were tightened at F1 192+14. • Number four switch rod was repaired at 192+14. 	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 replace blue light at ETS box at F1 118+30.• WMATA must repair tunnel leak at F1 198+30.• WMATA must replace end coverboard at F1 198+30.• WMATA must unclog drains and remove mud and debris between F1 220+00 and F1 221+30.• WMATA must repair tunnel leak at 247+50.• WMATA must replace blue light at ETS box at F1 296+70.• WMATA must replace blue light at ETS box at F1 301+10.
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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	20180403-WMATA-WP-3		
	2018	04	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]
Inspection Location	E-, F-, L-, C-Line, Track 1, between Mt. Vernon (E01) and Pentagon (C07)						

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	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 RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	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		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)	E-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To					
							Mt. Vernon (E01)		Mt. Vernon (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		Date
Inspector in Charge - Name	Winslow Powell	Inspection Team	Tino Sahoo	

Digitally signed by WINSLOW L. POWELL
DN: e=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.16 14:27:44 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Mt. Vernon (E01) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	Outside Shift	Yes		
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 345, 1175, 1637, 1638, 1685, 1687						
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)	E-, F-, L-, C-Lines	Track Number	Track 1		Chain Marker and/or Station(s)		From		To			
							Mt. Vernon (E01)		Pentagon (C07)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A					
	N/A		N/A									

Description	FWSO inspector performed a remedial action verification on track one of the E-, F-, L-, and C-Lines between Mt. Vernon (E01) and Pentagon (C07). The inspector also inspected track conditions in the area. During the inspection, six remedial actions were verified as complete. The following color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000 Manual, Table 9-6: Battered frog point was observed at switch 1A at E1 023+00. Yellow maintenance condition. • TRST 1000 Manual, Table 9-6: Battered frog point was observed at L1 044+00. Yellow maintenance condition. • TRST 1000 Manual, Table 9-6: Battered frog point was observed at C1 256+00. Yellow maintenance condition. The following non-color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000 Manual, 10.17.4.1: There was relay rail and old third rail laying in track bed between E1 003+00 and E1 004+00. • TRST 1000 Manual, 3.2.2.1: Clogged drains were observed between F1 005+00 and F1 011+00. • TRST 1000 Manual, 3.2.2.1: Standing water was observed at F1 008+00. • TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at F1 027+50. • TRST 1000 Manual, 3.2.2.4: Tunnel wall leak was observed at F1 032+00. • TRST 1000 Manual, 3.2.2.1: Clogged drains were observed between F1 033+00 and F1 038+50. The following remedial actions were verified as complete: <ul style="list-style-type: none"> • The switch was repaired at E1 022+20. • The heat shrink was replaced on the conduit stub-up at E1 023+00. • The gauge condition has been corrected at L1 135+00. • The defective fasteners have been replaced at L1 86+30. 	Number of Defects	9
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• The two pieces of running rail have been welded, eliminating the need of joint bars at L1 136+00.• The two pieces of running rail have been welded, eliminating the need of joint bars at L1 131+00.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must fix battered frog point at E1 023+00.• WMATA must fix battered frog point at L1 044+00.• WMATA must fix battered frog point at C1 256+00.• WMATA must remove relay rail and old third rail from the track bed between E1 003+00 and E1 004+00.• WMATA must unclog drains between F1 005+00 and F1 011+00.• WMATA must mitigate standing water at F1 008+00.• WMATA must mitigate standing water and clean mud at F1 027+50.• WMATA must repair tunnel leak at F1 032+00.• WMATA must unclog drains between F1 033+00 and F1 038+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	20180404-WMATA-WP-1		
	2018	04	04				
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]
Inspection Location	A-Line, Track 1, between Bethesda (A09) and Grosvenor-Strathmore (A11)						

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 6446			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0430	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					
							Bethesda (A09)		Bethesda (A09)					
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

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

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.16 14:15:28 -0400



Description	FWSO inspector received a job safety briefing from TRST 6446 at Bethesda (A09) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6446		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0430	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 654, 2014, 1794, 2015, 2016, 2017, 2018, 2019, 1211, 2024, 2026, 2027, 2032						
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)	A-Line	Track Number	Track 1		Chain Marker and/or Station(s)	From		To			
			Bethesda (A09)			Grosvenor-Strathmore (A11)					
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 one of the A-Line between Bethesda (A09) and Grosvenor-Strathmore (A11). Inspector also inspected track conditions in the area. During the inspection, thirteen remedial actions were verified as complete.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Table 7.1: At CM A1 462+10 to CM A1 462+25 on the right rail, there were six defective fasteners in 120 inches. One missing clip, one broken stud, and all had loose nuts. The defect was determined to be a maintenance defect as there was no evidence of vertical or lateral movement and no speed restriction was applied. See Figure 1 below. Yellow condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 13.3.4: At CM A1 442+19, the third rail anchor arm was broken. TRST 1000 Table 9.8: At switch 1A CM A1 443+20, #3 and #4 switch rods were loose, all nuts and cotter pins were in-place, and swivel ends needed to be tightened. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> WMATA has replace most fasteners and closed items from 2016. Tunnel leak was repaired and cleaned up at A1 399+00. WMATA has repaired ETS box A109 at A1 402+76. Tunnel leak was repaired and cleaned up at A1 410+00. Tunnel leak was repaired and cleaned up at A1 411+00. Drain was unclogged at A1 416+00. Tunnel leak was repaired and cleaned up at A1 434+00. Drain was unclogged at A1 439+00. Medical Center: Scuppers, inlets, and catch basin were cleaned. 	Number of Defects	3
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• Tunnel leak was repaired and cleaned up at A1 455+00.• Tunnel leak was repaired and cleaned up at A1 487+00.• Tunnel leak was repaired and cleaned up at A1 499+50.• WMATA has repaired ETS box door at A1 534+00.		
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">• WMATA must tighten down and repair fasteners at CM A1 462+10 to CM A1 462+25.• WMATA must repair third rail anchor arm at CM A1 442+10.• WMATA must tighten #3 and #4 switch rods in switch 1A CM A1 443+20.		

Photo:



Figure 1: Fasteners at CM A1 462+10 to CM A1 462+25.



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	20180404-WMATA-WP-2		
	2018	04	04				
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	L-, F-, and E-Line, Track 2, between Pentagon (C07) and Mt. Vernon (E01)						

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 Required¹	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 6069		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2230-0300	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	C-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To		
							Pentagon (C07)		Pentagon (C07)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								

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

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

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTA, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 08:52:07 -0400



Description	<p>FWSO inspector received a job safety briefing from TRST 6069 at Pentagon (C07) 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 6069		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2230-0300	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	Remedial Action ID # 1686, 1684, 1683							
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)	E-, F-, and L-Lines	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Pentagon (C07)			Mt. Vernon Square (E01)			
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 two of the L-, F-, and E-Line between Pentagon (C07), L'Enfant Plaza (F03), and Mt. Vernon Sq. (E01). Inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.</p> <p>The following non-color-coded defects were noted:</p> <ul style="list-style-type: none"> • TRST 1000, 13.3.11: Insulator assembly was missing at E2 24+90. • TRST 1000, 13.3.14: End coverboard was missing at L2 52+50. <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> • Damaged insulator has been replaced at L2-52+50. • Relay rail was removed at L2 136+00. • Relay rail was removed at L2 136+30. 						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 repair missing insulator at E2 24+90. • WMATA must replace missing end coverboard at L2 52+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	20180404-WMATA-WP-3		
	2018	04	04				
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]
Inspection Location	A-Line, Track 1, between White Flint (A12) and Shady Grove (A15)						

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 Required¹	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 RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	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		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)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							White Flint (A12)		White Flint (A12)		
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: 2018.04.17 09:22:39 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at White Flint (A12) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1707, 1708, 2450, 2453, 2455, 2457					
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			
						White Flint (A12)		Shady Grove (A15)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	FWSO inspector performed a remedial action verification on track one of the A-Line between White Flint (A12) and Shady Grove (A15). The inspector also inspected track conditions in the area. During the inspection, six remedial actions were verified as complete.							Number of Defects	3		
								Recommended Finding?	No		
								Remedial Action Required?	Yes		
	<p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, Table 5-3: Crushed head on the left running rail was observed at A1 725+60. Yellow condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 13.3.4: Third rail anchor arm was broken at A1 908+50. TRST 1000 Manual, 13.5.7: Third rail end approach was missing cover board at A1 937+00. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> The number four switch rod, switch 3A, has been repaired at A1 937+25. The number two, three, and four switch rods, switch 1A, have been repaired at A1 941+14. The defective fasteners have been replaced at A1 653+50. The tunnel leak has been repaired at A1 673+40. The number four rod on switch 3A has been tightened at A1 701+00. The third rail anchor arm has been replaced at A1 710+70. 							Recommended Reinspection?	Yes		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must fix the crushed head on the left running rail at A1 725+60. WMATA must replace broken third rail anchor arm at A1 908+50. WMATA must replace missing third rail end approach cover board at A1 937+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	20180405-WMATA-WP-1		
	2018	04	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]
Inspection Location	E-Line, Track 1, between Greenbelt (E10) and College Park (E09)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject					Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6044			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0200	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X					X						
Line(s)	E-Line		Track Number	N/A	Chain Marker and/or Station(s)		From			To				
							Greenbelt (E10)			Greenbelt (E10)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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=W, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.16 14:32:59 -0400</small>
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard	



Description	<p>FWSO inspector received a job safety briefing from TRST 6044 at Greenbelt (E10) 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.</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 6044			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0200	Outside Shift	Yes	
Related Reports	N/A			Related CAPS / Findings		Remedial Action ID #: 1690						
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)	E-Line		Track Number	Track 1	Chain Marker and/or Station(s)		From		To			
							Greenbelt (E10)		College Park (E09)			
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 one of the E-Line between Greenbelt (E10) and College Park (E09). Inspector also inspected track conditions in the area. During the inspection, one remedial action was verified as complete.</p> <p>The FWSO inspector did not note any defects.</p> <p>The following remedial action was verified as complete:</p> <ul style="list-style-type: none"> WMATA has replaced missing coverboard at E1-660+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	20180405-WMATA-WP-2		
	2018	04	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]
Inspection Location	E-Line, track 2, College Park (E09) to Greenbelt (E10)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action Required¹	No	No				
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 Unit #6432		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	RWPM										
	MSRPH										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X			
Line(s)	E-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					College Park (E09)			College Park (E09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

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

Inspector in Charge - Signature	Date
WINSLOW L. POWELL	
Inspector in Charge - Name Winslow Powell	Inspection Team Robert Maniuszko

Digitally signed by WINSLOW L. POWELL
DN: c=US, ou=U.S. Government, ou=FTA/IR, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.16 14:35:55 -0400



Description	<p>The FWSO inspector received a job safety briefing from the roadway worker in charge (RWIC) #6432 at College Park Station (E09) prior to entering the roadway. The briefing covered the type of on-track protection - Foul Time (FT) and Train Approach Warning (TAW), the working limits, where to clear, known hazards and hotspots, the location of the nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. An Advanced Mobile Flagman (AMF) #6483, Inspector #601 and an Advanced Watchman, #6099, were assigned with the group. There was one hot spot identified in the Roadway Access Guide.</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	OBS
Job Briefing Employee Name/Title	TRST #6432		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200 - 0400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1796, 1691, 1797, 1810, 1689, 1798						
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)	E-Line	Track Number	2	Chain Marker and/or Station(s)	From			To			
					College Park (E09)			Greenbelt (E10)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>The FWSO inspector observed WMATA employees and a Rail Pro contractor perform a track inspection on track 2 of the E-Line from College Park Station (E09) to Greenbelt Station (E10). The Inspector also observed track conditions. During the inspection, six remedial actions were verified to be completed. The track conditions through this area were observed to be in very good condition.</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"> • WMATA repaired the third rail ETS light at E2 588+00, ETS box 162. • WMATA repaired the number four switch rod located within the 5B switch at E2 653+00. • WMATA installed an end cover board on the third rail at E2 653+30. • WMATA replaced the missing third rail end approach coverboard at E2 657+00. • WMATA replaced the missing cover board at E2 657+01. • WMATA installed an end cover board on the third rail at E2 657+40. 						Number of Defects	0			
							Recommended Finding?	No			
							Remedial Action Required?	No			
							Recommended Reinspection?	Yes			
Remedial Action	N/A										



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180409-WMATA-WP-1		
	2018	04	09				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	B-Line, track 1, between Silver Spring (B08) and Fort Totten (B06)						

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 6321					Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X					X						
Line(s)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)			From			To				
							Silver Spring (B08)			Silver Spring (B08)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

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

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.16 14:50:29 -0500



United States Department of Transportation
Federal Transit Administration

Description	<p>FWSO inspectors received a job safety briefing from TRST 6321 at Silver Spring Station (B08) 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 Roadway Worker in Charge (RWIC) discussed with the work group the placement of the two advance mobile flagmen (AMF) and the advance watchman.</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 6321		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000, rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X			
Line(s)	B-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Silver Spring (B08)			Fort Totten (B06)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspectors performed a track walker observation between Silver Spring (B08) and Fort Totten (B06) on track one. Inspectors also inspected track conditions in the area.</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 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	20180410-WMATA-WP-1		
	2018	04	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	B-Line, Track 1, between Forest Glen (B09) and Silver Spring (B08)						

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 6024			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-0600	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X							X				
Line(s)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)			From			To				
							Forest Glen (B09)			Forest Glen (B09)				
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		

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 09:37:30 -0400



Description	<p>FWSO inspectors received a job safety briefing from TRST 6024 at Forest Glen (B09) 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.</p> <p>The seven-man work group consisted of two FWSO inspectors, one contract inspector, and five WMATA employees including an Assistant Superintendent. A safety out-briefing was conducted, and no safety concerns were noted from the work group.</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	Track Walker Observation					Activity Code	TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6024		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000 0600	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1724, 970, 1317, 1314, 1312, 1313					
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference		
	TRST-1000, rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X						X		
Line(s)	B-Line	Track Number	Track 1 & 3	Chain Marker and/or Station(s)	From			To			
					Forest Glen (B09)			Silver Spring (B08)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description The following non-color-coded defect was observed:	<p>FWSO inspectors performed a remedial action verification on track one of the B-Line, between Forest Glen (B09) and Silver Spring (B08). Inspectors also inspected track conditions in the area. During the inspection, six remedial actions were verified as complete.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, table 7-1: At B1 509+40, on the right rail, four consecutive defective fasteners were observed, 120 inches between holding fasteners. WMATA listed this as a red maintenance condition. Since track geometry was not affected, FWSO agreed with the WMATA assessment. Red condition. TRST 1000, table 6.4: At B1 480+55, on the right rail, three consecutive non-holding grout pads were observed. WMATA listed this as a red maintenance condition. Since track geometry was not affected, FWSO agreed with WMATA assessment. Red condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At B1 533+60, a side wall tunnel leak was observed. TRST 1000, 3.2.2.4: At B1 533+00, a side wall tunnel leak was observed. TRST 1000, 3.2.2.4: At B1 506+50, a leak in the crown of the tunnel was observed. TRST 1000, 3.1.2.2: At B1 495+50, a center drain was blocked allowing water to back-up and not drain as designed. TRST 1000, TRST 123.3.10: At B1 470+40, a broken third rail insulator support was observed. TRST 1000, 13.5.7: At B1 457+70, the third rail end approach coverboard was missing. 						Number of Defects	8			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			



	<p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none">• At B3 461+50, the wide gauge at the heel of the 5B switch has been repaired.• At B1 459+00, at the B08-28 signal, the defective ties have been replaced.• At B1 471+30, the defective third rail insulator support has been repaired.• At B1 498+00, the blocked center has been repaired.• At B1 500+90, the relay rail has been removed.• At B1 502+00, the relay rail has been removed.		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must repair the tunnel leak at B1 533+60.• WMATA must repair the tunnel leak at B1 530+00.• WAMAT must replace the four consecutive fasteners on the right rail at B1 509+40.• WMATA must repair the tunnel leak at B1 506+50.• WMATA must unclog the blocked center drain at B1 495+50.• WMATA must repair the three consecutive defective grout pads at B1 480+55.• WMATA must replace the broken third rail insulator support at B1 470+40.• WMATA must replace the missing end third rail coverboard at B1 457+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	20180410-WMATA-WP-2		
	2018	04	10				
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]
Inspection Location	Capitol South (D05) – AC Room #1 and #2						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TP-JSB-OBS	TP-RM-OBS				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	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								
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		Date	
WINSLOW L. POWELL		<small>Digitally signed by WINSLOW L. POWELL DN: cn=US, o=US Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.17 10:58:42 -0400</small>	
Inspector in Charge – Name Winslow Powell	Inspection Team Tino Sahoo		



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	Preventive Maintenance Observation				Activity Code	TP	RM	OBS
Job Briefing Employee Name/Title	WMATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100-0500	Outside Shift	Yes
Related Reports	N/A		Related CAPS / Findings	N/A						

Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard	Other / Title	Checklist Reference
	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) AUTOMATIC BUS TIE 480 VOLT AC SWITCHGEAR OPERATIONAL TEST SEMI-ANNUAL (REVISION 2, JUNE 20, 2013)				

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

Line(s)	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	General Electric (Manufacturer) 13.8kV Switchgear
	N/A	N/A		

Description	The FWSO inspector observed WMATA's power personnel perform preventive maintenance at Capitol South (D05), AC Switchboard Room #1 and #2. The inspector observed WMATA power personnel perform an automatic bus tie-breaker test on AC Switchgear #1 and AC Switchgear #2 to ensure the main-tie-main automatic transfer scheme was working properly. The tests were done in accordance with the PMI. 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	20180410-WMATA-WP-3		
	2018	04	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	F-Line, Track 1, between Southern Ave (F08) and Branch Ave (F11)						

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 RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	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		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				
						Southern Ave (F08)			Southern Ave (F08)				
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: 2018.04.17 11:02:39 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Southern Ave (F08) 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.							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 RWIC			Accompanied Inspector?		Yes	Out Brief Conducted		Yes	Time	2330 - 0300	Outside Shift	Yes
Related Reports	N/A			Related CAPS / Findings			Remedial Action ID #: 1390, 1391, 1435, 1436, 1442, 2190						
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)	F-Line		Track Number		Track 1		Chain Marker and/or Station(s)		From		To		
									Southern Ave (F08)		Branch Ave (F11)		
Vehicles	Head Car Number		Number of Cars			Equipment		N/A					
	N/A		N/A										
Description	FWSO inspector performed a remedial action verification on track one of the F-Line between Southern Ave (F08) and Branch Ave (F11). The inspector also inspected track conditions in the area. During the inspection, six remedial actions were verified as complete.							Number of Defects		5			
								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 Manual, 13.5.7: Third rail end approach was missing cover board at F1 324+50. • TRST 1000 Manual, 13.5.7: Third rail end approach was missing cover board at F2 324+50. • TRST 1000 Manual, 3.2.2.1: Clogged drains were observed between F1 330+00 and F1 331+00. • TRST 1000 Manual, 3.1.2.5: Emergency Trip Station (ETS) blue light was not illuminated at F1 428+80. • TRST 1000 Manual, 10.17.4.1: Multiple sticks of relay rail were observed in track bed and by safety catwalk between F1 476+50 and F1 478+00. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • The five loose fasteners have been repaired at F1 365+20. • The fasteners have been repaired between F1 364+00 and F1 366+00. • The ETS blue light has been fixed on box F-121 at F2 372+15. • The ETS blue light has been fixed on box F-123 at F1 378+20. • The defective elastic fasteners have been replaced at F1 456+50. • The water intrusion has been mitigated at F1 466+00. 							Recommended Reinspection?		Yes			
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must replace missing third rail cover board on end approach at F1 324+50. • WMATA must replace missing third rail cover board on end approach at F2 324+50. • WMATA must unclog drains between F1 330+00 and F1 331+00. • WMATA must fix ETS blue light at F1 428+80. • WMATA must remove relay rail laying in the track bed and by safety catwalk between F1 476+50 and F1 478+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	20180410-WMATA-WP-4		
	2018	04	10				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, Track 2, between White Flint (A12) and Bethesda (A09)						

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 Required¹	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 6446		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0430	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		
							White Flint (A12)		White Flint (A12)		
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	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 11:18:42 -0400



Description	FWSO inspector received a job safety briefing from TRST 6446 at Bethesda (A09) 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.							Number of Defects		0	
	The FWSO inspector did not note any defects.							Recommended Finding?		No	
								Remedial Action Required?		No	
								Recommended Reinspection?		No	
Remedial Action	N/A										
Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6446		Accompanied Inspector?	Yes		Out Brief Conducted	Yes	Time	2200-0430	Outside Shift	Yes
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1060, 2562, 1780, 1782, 1191, 2559, 742, 2551, 2558, 2557					
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)	A-Line		Track Number	Track 2		Chain Marker and/or Station(s)		From		To	
								White Flint (A12)		Bethesda (A09)	
Vehicles	Head Car Number		Number of Cars			Equipment		N/A			
	N/A		N/A								
Description	FWSO inspector performed a remedial action verification on track two of the A-Line between White Flint (A12) and Bethesda (A09). Inspector also inspected track conditions in the area. During the inspection, ten remedial actions were verified as complete.							Number of Defects		2	
	<p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 13.3.4: At CM A2 442+00, the third rail anchor arm was broken. • TRST 1000 13.3.4: At CM A2 433+00, the third rail anchor arm was broken. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • WMATA has removed debris from catwalk at CM A2 419+00. • WMATA has unclogged drains between CM A2 423+00 and CM A2 431+30. • WMATA has repaired tunnel leak at CM A2 443+00. • WMATA has repaired leaking pipe at CM A2 445+90. • WMATA has repaired compromised drainage pipe at CM A2 451+00. • WMATA has unclogged drains and cleaned up at CM A2 463+00. • WMATA has replaced missing third rail end cover at CM A2 516+00. • WMATA has replaced broken frog bolts and joint bars and replaced enough clips to remove slow order at switch 11B CM A2 570+65. • WMATA has unclogged drains between CM A2 584+00 and CM A2 583+00. • WMATA has cleared standing water between CM A2 584 and CM A2 583+00. 							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 third rail anchor arm at CM A2 442+00. • WMATA must repair third rail anchor arm at CM A2 433+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	20180411-WMATA-WP-1		
	2018	04	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	D-Line, Track 2, between Smithsonian (D02) and Stadium Armory (D08)						

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 6460			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900-0500	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X						X					
Line(s)	D-Line		Track Number	N/A	Chain Marker and/or Station(s)			From		To				
								Smithsonian (D02)		Smithsonian (D02)				
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, Alexander Nepa, Robert Maniuszko		

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.30 12:03:11 -0400



Description	<p>FWSO inspectors received a job safety briefing from TRST 6460 at Smithsonian (D02) 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.</p> <p>The work group consisted of seven individuals, including two FWSO inspectors and five WMATA employees. After the inspection, a post safety briefing was conducted. No safety issues or concerns were voiced.</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 6460		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0900-0500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID # 1839						
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 2	Chain Marker and/or Station(s)	From			To			
					Smithsonian (D02)			Stadium Armory (D08)			
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 two of the D-Line, between Smithsonian (D02) and Stadium Armory (D08). Inspectors also inspected track conditions in the area. During the inspection, one remedial action was verified as complete.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At D2 088+00, a crown tunnel leak that was allowing water to saturate the left rail was observed. This defect is addressed in WMATA Maximo report 14186231. TRST 1000, 3.2.2.4: At D2 156+00, a side wall tunnel leak was observed. TRST 1000, 3.2.2.4: At D2 189+65, a crown tunnel leak that was allowing water to saturate the rail was observed. This defect is addressed in WMATA Maximo report 14161902. TRST 1000, 10.15: Between Federal Center (D04) and Stadium Armory (D08), a sub-standard lighting condition was observed. Lenses were covered with dirt and soot not allowing proper illumination. <p>Other notable observations:</p> <ul style="list-style-type: none"> Between D2 127+00 and D2 132+00 on the right rail (high side) through the curve, rail was showing signs of head wear. This condition is addressed in WMATA Maximo report 13770721. Between D2 162+00 and D2 167+00, on the left (high side) through the curve, rail was showing signs of head wear. This condition is addressed in WMATA Maximo report 14096246. <p>The following remedial action was verified complete:</p> <ul style="list-style-type: none"> At D2 188+00 the missing end third rail coverboard has been replaced. 						Number of Defects	4			
							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 D2 088+00.• WMATA must repair the tunnel leak at D2 156+00.• WMATA must repair the tunnel leak at D2 18+65• WMATA must repair the tunnel lighting between Federal Center (D04) and Stadium Armory (D08).
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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	20180411-WMATA-WP-2		
	2018	04	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C- and D-Lines, Track 2, between Rosslyn (C05) and Smithsonian (D02)						

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	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 RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	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		R-17-02										
	MSRPH		R-17-03										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
			X						X				
Line(s)	C-Line	Track Number	N/A	Chain Marker and/or Station(s)		From			To				
						Rosslyn (C05)			Rosslyn (C05)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A							
	N/A		N/A										

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

Inspector in Charge - Signature		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: 2018.04.17 11:13:07 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Rosslyn (C05) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1350, 1489, 1491, 2262, 2263						
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 D-Lines	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Rosslyn (C05)			Smithsonian (D02)			
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 two of the C- and D-Lines between Rosslyn (C05) and Smithsonian (D02). The inspector also inspected track conditions in the area. During the inspection, five remedial actions were verified as complete.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, Table 9-6: Cracked frog and eleven loose frog bolts were observed at C2 028+40. WMATA made the repair after this defect was identified and submitted documentation to the FTA. Red condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at C2 112+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at C2 109+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at C2 107+00. TRST 1000 Manual, 3.2.2.4: Tunnel wall leak with water pooling on safety catwalk was observed at D2 08+50. TRST 1000 Manual, 3.2.2.4: Tunnel ceiling leak with water pooling was observed at D2 020+50. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain and heavy mud were observed between D2 027+00 and D2 028+00. TRST 1000 Manual, 3.2.2.4: Tunnel wall leak with heavy water pooling on safety catwalk was observed at D2 029+00. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> The defective fasteners have been repaired at C2 106+70. The five loose bolts on the frog mounting plate have been tightened, switch 3B, at C2 066+00. The cotter pin has been replaced in bolt on #4 switch rod and it has been tightened, switch 1B, at C2 066+00. 	Number of Defects	8
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none">• The defective fasteners have been repaired at C2 27+60.• The defective fasteners have been repaired at C2 27+50.		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must mitigate water intrusion and clean up mud at C2 112+00.• WMATA must mitigate water intrusion and clean up mud at C2 109+00.• WMATA must mitigate water intrusion and clean up mud at C2 107+00.• WMATA must mitigate tunnel wall leak at D2 08+50.• WMATA must mitigate tunnel ceiling leak at D2 020+50.• WMATA must unclog drains and clean up mud between D2 027+00 and D2 028+00.• WMATA must mitigate tunnel wall leak at D2 029+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	20180411-WMATA-WP-3		
	2018	04	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	G-Line, Track 2, between Benning Road (G01) and Largo Town Center (G05)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	4				
Recommended Finding	No	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 6199			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X							X				
Line(s)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)	From				To					
					Benning Road (G01)				Benning Road (G01)					
Vehicles	Head Car Number		Number of Cars		Equipment	N/A								
	N/A		N/A											

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

Inspector in Charge - Signature		Date	
		WINSLOW L. POWELL	
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=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 11:22:18 -0400



Description	FWSO inspector received a job safety briefing from TRST 6199 at Benning Road (G01) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6199			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes
Related Reports	N/A			Related CAPS / Findings		Remedial Action ID #: 2198, 2200, 1051, 2204, 2205, 2206, 2207, 1045, 1062, 1061					
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)	G-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						Benning Road (G01)		Largo Town Center (G05)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								
Description	FWSO inspector performed a remedial action verification on track two of the G-Line between Benning Road (G01) and Largo Town Center (G05). Inspector also inspected track conditions in the area. During the inspection, ten remedial actions were verified as complete.						Number of Defects		4		
							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: From CM G2 347+40 to CM G2 354+90, relay rail was stored between the running rail and cat walk, creating a tripping hazard. • TRST 1000 10.17.4.1: From CM G2 361+10 to CM G2 360+00, relay rail was stored between the running rail and cat walk, creating a tripping hazard. • TRST 1000 3.2.2.4: At CM G2 424+00, a tunnel leak over the catwalk with buildup of mud and sediment was observed. • TRST 1000 10.17.4.1: From CM G2 465+30 to CM G2 466+90, relay rail was stored between the running rail and catwalk, creating a tripping hazard. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> • Drain was unclogged at CM G2 396+00. • Drain was unclogged at CM G2 397+00. • Pandrol e-Clips at CM G2 425+00 have been replace. • Water intrusion was repaired and cleaned up at CM G2 449+00. • Water intrusion was repaired and cleaned up at CM G2 465+00. • Drain was unclogged at CM G2 467+00. • WMATA has repaired failing grout pads on aerial structure at CM G2 476+00. • Third rail coverboards have been replace at CM G2 573+00 and CM G2 612 +00. • Curve worn rail was replaced and fasteners tightened on aerial structure at G2 CM 607 +00. 						Recommended Reinspection?		Yes		



	<p>Other notable observations:</p> <ul style="list-style-type: none">• FWSO inspector observed seven gauge rods between Benning Road (G01) and Capital Heights (G02) install, securing three color coded defects. Inspector verified with WMATA that defects were in their data base and active.• FWSO inspector observed four gauge rods between Capital Heights (G02) and Addison Road (G03) install, securing two color coded defects. Inspector verified with WMATA that defects were in their data base and active. One of the gauge rods at CM G2 449+00 had come loose and fallen off, and a WMATA Supervisor was notified. A work crew re-installed at 0233. See Figure 1 below.		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must remove relay rail from CM G2 347+40 to CM G2 354+90.• WMATA must remove relay rail from CM G2 361+10 to CM G2 360+00.• WMATA must repair tunnel leak over catwalk at CM G2 424+00.• WMATA must remove relay rail from CM G2 465+30 to CM G2 466+90.		

Photo:



Figure 1: Gauge rod at CM G2 449+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	20180412-WMATA-WP-1		
	2018	04	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]
Inspection Location	C-Line, Track 2, between King Street-Old Town (C13) and Crystal City (C09)						

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 6369			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X								X			
Line(s)	C-Line	Track Number	N/A	Chain Marker and/or Station(s)			From			To				
							King Street -Old Town (C13)			King Street -Old Town(C13)				
Vehicles	Head Car Number		Number of Cars			Equipment	N/A							
	N/A		N/A											

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

Inspector in Charge - Signature		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: 2018.04.17 11:11:59 -0400</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard		



Description	FWSO inspector received a job safety briefing from TRST 6369 at King Street (C13) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6369		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1696, 1851, 1698, 1697, 1854, 1622, 1632, 1631, 827, 1624						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST-1000, rev. 6										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X		X					X	X	X	
Line(s)	C-Line	Track Number	Track 2	Chain Marker and/or Station(s)		From		To			
						King Street -Old Town (C13)		Crystal City (C09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspector performed a remedial action verification on track one of the C-Line between King Street-Old Town (C13) and Crystal City (C09). Inspector also inspected track conditions in the area. During the inspection, 10 remedial actions were verified as complete.						Number of Defects	1			
							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, Table 7.1: At CM C2 402+30 to CM C2 402+40 on the right rail, six defective fasteners in 160 inches were observed. This was determined to be a maintenance condition as gauge and critical geometry were maintained and no speed restriction was applied. <p>Other Notable Observation:</p> <ul style="list-style-type: none"> FWSO observed that recent torquing of rail fasteners between C2 402+30 and 402+40 has resulted in broken studs on 500 feet of either side of the above yellow condition. Fasteners are tight and holding gauge at present time, but multiple fasteners only have one stud. See Figure 1 below. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> WMATA has tightened the #2 and #4 switch rods at switch 3B at CM C2 522+65. WMATA has replaced end approach cover at switch 3B at CM C2 522+65. WMATA has replaced straight side closure rail at switch 3B at CM C2 522+65. WMATA has replaced straight side stock rail at switch 3B at CM C2 522+65. WMATA has replaced defective ties at CM C2 521+00. WMATA has replaced defective switch ties in switch 1B at CM C2 520+20. 						Recommended Reinspection?	Yes			



	<ul style="list-style-type: none">• WMATA has replaced defective ties at CM C2 418+00 to CM C2 419+50.• WMATA has corrected a low ballast condition at CM C2 411+50.• WMATA has corrected third rail grout pad conditions from CM C2 406+50 to CM C2 406+60.• WMATA has replaced defective fasteners at CM C2 399+80.		
Remedial Action	To achieve compliance with WMATA's requirements: <ul style="list-style-type: none">• WMATA must repair fasteners at CM C2 402+30 to CM C2 402+40.		

Photo:

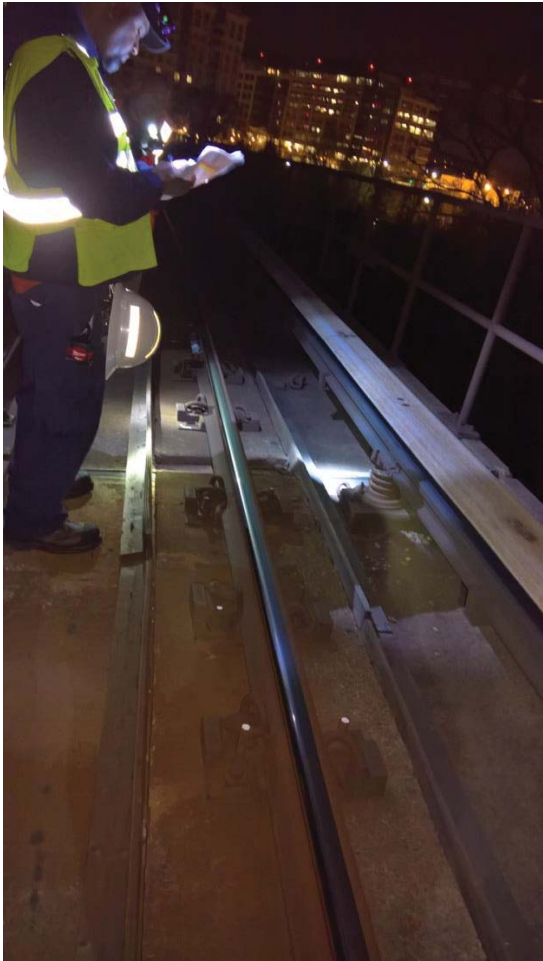


Figure 1: Fasteners at CM C2 402+30 to CM C2 402+40.



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	20180412-WMATA-WP-2		
	2018	04	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]
Inspection Location	C- and K-Lines, Track 2, Clarendon (K02) to Rosslyn (C05)						

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 6391			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330-0100	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)	K-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To				
							Clarendon (K02)		Clarendon (K02)				
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	Al Nepa, Mike Vitale

Digitally signed by WINSLOW L. POWELL
DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.17 11:45:33 -0400



Description	<p>FWSO inspectors received a job safety briefing from TRST 6391 at Clarendon (K02) 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.</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 6391		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330-0100	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 2109, 2110, 2376						
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)	C- and K-Lines	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Clarendon (K02)			Rosslyn (C05)			
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 two of the G-Line between Clarendon (K02) and Rosslyn (C05). Inspectors also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.</p> <p>The following non-color-coded defect was noted:</p> <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: A tunnel leak was observed near a third rail stub-up conduit at K2 194+90. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> WMATA has replaced broken third rail anchor arm at K2 188+70. WMATA has cleaned catch basin at K2 170+40. WMATA has replaced defective fasteners between C2 147+80 and 147+90. 						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 mitigate leak at K2 194+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	20180412-WMATA-WP-3		
	2018	04	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]
Inspection Location	B-Line, Track 2, between Silver Spring (B08) and 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	7				
Recommended Finding	No	No				
Remedial Action Required¹	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 RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	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		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)	B-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							Silver Spring (B08)		Silver Spring (B08)		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								

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

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

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.30 12:06:49 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Silver Spring (B05) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2330 - 0300	Outside Shift	Yes		
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 2090, 2098, 2422							
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			
							Silver Spring (B08)	Glenmont (B11)				
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 one of the B-line between Silver Spring (B08) and Glenmont (B11). The inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, Table 5-3: Chipped left running rail was observed at B2 536+00. Yellow Condition <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed between B2 502+00 and B2 503+00. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed between B2 502+00 and B2 503+00. TRST 1000 Manual, 3.2.2.4: Tunnel ceiling leak was observed at B2 509+40. TRST 1000 Manual, 3.2.2.1: Standing water was observed at B2 563+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at B2 622+50. PMI: Tunnel illumination for subway tunnel structures below required foot candle(s) maintained levels between Silver Spring (B08) and Glenmont (B11). 							Number of Defects	7			
								Recommended Finding?	No			
								Remedial Action Required?	Yes			
								Recommended Reinspection?	Yes			



	<p>Other Notable Observations:</p> <ul style="list-style-type: none"> Two loose bolts were observed on the joint bar on heel of frog at B2 563+00. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> The coverboard has been installed at B2 485+80. The tunnel leak onto the third rail has been mitigated at B2 535+20. The third rail end approach coverboard has been installed at B2 678+00. 		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must fix chipped left running rail at B2 536+00. WMATA must tighten two loose bolts on joint bar on heel of frog at B2 563+00. WMATA must mitigate water intrusion and clean up mud between B2 502+00 and B2 503+00. WMATA must unclog tunnel drain invert between B2 502+00 and B2 503+00. WMATA must mitigate tunnel ceiling leak at B2 509+40. WMATA must mitigate water intrusion at B2 563+00. WMATA must mitigate water intrusion and clean up mud at B2 622+50. WMATA must either replace tunnel light fixtures or re-lamp in conjunction with fully cleaning lens of light fixtures in order to bring illumination levels to the WMATA standard of one foot candle for subway tunnel structures between Silver Spring (B08) and Glenmont (B11). 		



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	20180416-WMATA-WP-1		
	2018	04	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]
Inspection Location	Medical Center (A10-1), Pooks Hill (A10-2), Grosvenor (A11), White Flint (A12), Twinbrook (A13) 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	15				
Recommended Finding	No	No				
Remedial Action Required¹	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 - 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			
					Medical Center (A10-1) TPSS			Medical Center (A10-1) 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	Date
WINSLOW L. POWELL	
Inspector in Charge - Name Winslow Powell	Inspection Team Tino Sahoo

Digitally signed by WINSLOW L. POWELL
DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.30 12:10:25 -0400



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 - 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							

Line(s)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)	From	To
					Medical Center (A10-1) TPSS Pooks Hill (A10-2) TPSS Grosvenor (A11) TPSS White Flint (A12) TPSS Twinbrook (A13) TPSS	Medical Center (A10-1) TPSS Pooks Hill (A10-2) TPSS Grosvenor (A11) TPSS White Flint (A12) TPSS Twinbrook (A13) TPSS

Vehicles	Head Car Number	Number of Cars	Equipment
	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. Medical Center (A10-1) TPSS, Pooks Hill (A10-2) TPSS, Grosvenor (A11) TPSS, White Flint (A12) TPSS, and Twinbrook (A13) 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 4.12.8: Battery charger ground detection fault 'L' alarm was observed at Medical Center (A10-1) TPSS. PMI 1.3: Dripping water infiltration was observed from conduits in ceiling adjacent to AC switchgear at Medical Center (A10-1) TPSS. PMI 4.9: The hydran gas monitor was observed to have a weak air/bad air alarm on rectifier transformer #3 at Grosvenor (A11) TPSS. PMI 4.12.8: Battery charger ground detection fault 'L' alarm was observed at Grosvenor (A11) TPSS. PMI 4.10: The 64 relay (structure ground relay) on rectifier #4 showed a ground/earth fault at White Flint (A12) TPSS. PMI 1.3: Exit shaft adjacent to TPSS was flooded at White Flint (A12) TPSS. 	Number of Defects	15
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none"> • PMI 1.3: Water intrusion and standing water were observed on the rear of the AC switchgear at White Flint (A12) TPSS. • PMI 1.3: Water intrusion and standing water surrounding rectifier transformer #2 was observed at White Flint (A12) TPSS. • PMI 1.3: Water intrusion and standing water surrounding rectifier transformer #4 was observed at White Flint (A12) TPSS. • PMI 1.3: Water intrusion and standing water surrounding rectifier #2 was observed at White Flint (A12) TPSS. • PMI 1.3: Water intrusion and standing water surrounding rectifier #4 was observed at White Flint (A12) TPSS. • PMI 1.3: Water intrusion and standing water surrounding negative switchboard was observed at White Flint (A12) TPSS. • PMI 4.12.8: Battery charger ground detection fault '+' alarm was observed at Twinbrook (A13) TPSS. • PMI 4.9: The hydran gas monitor was observed to have a temperature high alarm on rectifier transformer #2 at Twinbrook (A13) TPSS. • PMI 4.11.1: DC overcurrent relay (device 64) was observed to be out of service on cathode breaker #1 in the DC switchgear at Twinbrook (A13) TPSS. 		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must rectify ground detection fault "-" alarm at Medical Center (A10-1) TPSS. • WMATA must mitigate water intrusion from ceiling conduits at Medical Center (A10-1) TPSS. • WMATA must rectify weak air/bad air alarm on hydran gas monitor on rectifier transformer #3 at Grosvenor (A11) TPSS. • WMATA must rectify ground detection fault "-" alarm at Grosvenor (A11) TPSS. • WMATA must clear the ground/earth fault on rectifier #4 at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and pump water out of flooded exit shaft at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water on the rear of the AC switchgear at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water surrounding rectifier transformer #2 at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water surrounding rectifier transformer #4 at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water surrounding rectifier #2 at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water surrounding rectifier #4 at White Flint (A12) TPSS. • WMATA must mitigate water intrusion and clean up standing water surrounding negative switchboard at White Flint (A12) TPSS. • WMATA must rectify ground detection fault "+" alarm at Twinbrook (A13) TPSS. • WMATA must rectify temperature high alarm on hydran gas monitor on rectifier transformer #2 at Twinbrook (A13) TPSS. • WMATA must bring back into service DC overcurrent relay (device 64) on cathode breaker #1 at Twinbrook (A13) 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	20180417-WMATA-WP-1		
	2018	04	17				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	K-Line, Track 2, West Falls Church (K06) to Clarendon (K02)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6036			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)	K-Line	Track Number	Track 2	Chain Marker and/or Station(s)			From		To				
							West Falls Church (06)		West Falls Church (K06)				
Vehicles	Head Car Number		Number of Cars		Equipment			N/A					
	N/A		N/A										

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

Inspector in Charge - Signature		WINSLOW L. POWELL		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Al Nepa		

Digitally signed by WINSLOW L. POWELL
DN: cn=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.30 12:13:19 -0400



Description	<p>FWSO inspector received a job safety briefing from TRST 6036 at West Falls Church (K06) 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.</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 6036		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1568, 2370, 2405, 1496, 1147, 2403, 2402, 1600						
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)	K-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					West Falls Church ((K06)			Clarendon (K02)			
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 two of the K-Line between West Falls Church (K06) and Clarendon (K02). Inspector also inspected track conditions in the area. During the inspection eight remedial actions were verified as completed.</p> <p>The FWSO inspector did not note any defects.</p> <p>The following remedial actions have been verified complete:</p> <ul style="list-style-type: none"> • WMATA has repaired the third rail coverboard at K2 511+00. • WMATA has repaired the ETS light at K2 502+48. • WMATA has repaired the ETS light at K2 496+25. • WMATA has repaired the third rail power cable at the K5 switch K2 402+00. • WMATA has repaired the loose bolts in the joint bar at K2 394+00. • WMATA has repaired the third rail end approach coverboard at K2 287+60. • WMATA has repaired the missing third rail coverboard at K2 287+00. • WMATA has repaired the end approach coverboard at K2 274+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	20180417-WMATA-WP-2		
	2018	04	17				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	N-Line, Track 2, between Wiehle-Reston (N06) and 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	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 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)	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		Date
Inspector in Charge - Name Winslow Powell		Inspection Team Tino Sahoo		

Digitally signed by WINSLOW L. POWELL
DN: cn=US, ou=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.04.30 13:03:46 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Wiehle-Reston (N06) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1571					
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 inspector performed a remedial action verification on track two of the N-line between Wiehle-Reston (N06) and Spring Hill (N04). The inspector also inspected track conditions in the area. During the inspection, one remedial action was verified as complete.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 13.5.5: One bolt of two bolts attaching the tie extension plate to the concrete tie needed tightening at N2 903+50. • TRST 1000 Manual, 13.3.4: Broken third rail anchor arm was observed at N2 788+90. <p>Other notable observations:</p> <ul style="list-style-type: none"> • Switch rod #2 was making contact with concrete tie, switch 3B, at N2 894+50. • Pumping of right and left rail was observed between N2 778+90 to N2 778+70. <p>The following remedial action was verified as complete:</p> <ul style="list-style-type: none"> • The end approach has been adjusted accordingly at N2 1006+70. 						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 tighten bolt attaching tie extension plate to concrete tie at N2 903+50. • WMATA must replace broken third rail anchor arm at N2 788+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	20180417-WMATA-WP-3		
	2018	04	17				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	N-Line, Track 2, between Spring Hill (N04) and K & N Junction (K98)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	4				
Recommended Finding	No	No				
Remedial Action Required¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspection Subject Job Safety Briefing					Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	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)	N-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To		
							Spring Hill (N04)		Spring Hill (N04)		
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
<div style="display: flex; justify-content: space-between; align-items: center;"> WINSLOW L. POWELL <div style="font-size: 0.8em; text-align: right;"> <small>Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, c=US Date: 2018.04.30 13:08:06 -0400</small> </div> </div>	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard



Description	FWSO inspector received a job safety briefing from TRST 6225 at Spring Hill (N04) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6225			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	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	X	X		
Line(s)	N-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					Spring Hill (N04)			K & N Junction (K98)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	FWSO inspector performed a remedial action verification on track two of the N-Line between Spring Hill (N04) and (K98) K & N Junction. Inspector also inspected track conditions in the area. The following non-color-coded defects were observed: <ul style="list-style-type: none"> • TRST 1000 10.14: At CM N2 630+78, Emergency Trip Station (ETS) light was broken at box # N46. • TRST 1000 13.5.7: At CM N2 556+60, the third rail end approach coverboard was missing. • TRST 1000 13.3.4: At CM N2 556+25, the third rail anchor arm was broken. • TRST 1000 13.5.7: At CM N2 540+20, the third rail end approach coverboard was missing. 							Number of Defects	4			
								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 ETS Light at CM N2 630+78+00 box # N46. • WMATA must replace third rail end coverboard at CM N2 556+60. • WMATA must repair third rail anchor arm at CM N2 556+25. • WMATA must replace third rail end coverboard at CM N2 540+20. 											



Inspection Form

FOIA Exemption: All (b)(6)

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180418-WMATA-WP-1		
	2018	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	D and G-Line, Track 2, Stadium Armory (D08) to Benning Road (G01)						

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 6379			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&G-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To					
					Stadium Armory (D08)			Stadium Armory (D08)					
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 Al Nepa			



Description	<p>FWSO inspector received a job safety briefing from TRST 6379 at Stadium Armory (D08) 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.</p> <p>A post inspection safety briefing was conducted with the entire work group at Benning Road, (G01) station. No issues were raised or discussed and no exceptions were taken.</p> <p>The FWSO inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6379		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings	Remedial Action ID #: 1974, 1976, 1972, 2155, 2151							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	D and G-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Stadium Armory (D08)			Benning Road (G01)			
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 two of the D and G-Lines between Stadium Armory (D08) and Benning Road (G01). Inspector also inspected track conditions in the area. During the inspection, five remedial actions were verified as completed.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, 7.7, table 7-1: At D2 269+70 on the left rail, three defective fasteners were observed. This condition was allowing vertical and lateral rail movement. This condition was determined to be a maintenance condition. Red condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.1.2.2: At D2 232+60, a center drain was blocked, allowing water to back-up onto the track center. TRST 1000, 3.1.2.2; Between G2 300+00 and G2 304+00 on the field side between the track and the catwalk, water, mud, debris and other track material were observed. The condition between these areas would not allow individuals to traverse. <p>The following remedial actions have been verified complete:</p> <ul style="list-style-type: none"> WMATA has repaired the tunnel water leak at D2 216+00. WMATA has replaced the missing third rail end coverboard at D2 221+80. WMATA has repaired the defective fasteners at D2 260+30. WMATA has addressed the rail shelling at G2 287+00. WMATA has removed the relay rail at G2 332+50. <p>Other notable observations:</p> <ul style="list-style-type: none"> On the aerial structure between D2 242+00 and D2 288+00, numerous failing elastic fasteners were observed. This condition is allowing 	Number of Defects	3
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<p>holding bolts and studs to become loose and pandrol clips to fall off. In turn, these conditions are allowing lateral and vertical movement in the rail, affecting track stability and gauge.</p> <ul style="list-style-type: none">• At the D2 230+00 portal, close clearance was observed at the designated place of safety (catwalk) when a train passes. This area should be assessed by WMATA Safety for potential foul time.		
Remedial Action	<p>To achieve compliance with WMATA standards:</p> <ul style="list-style-type: none">• WMATA must fix the three defective fasteners on the left rail at D2 269+70.• WMATA must clean out the center drain at D2 232+60.• WMATA must clean the water, mud, debris and other track material between G2 300+00 and G2 304+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	20180418-WMATA-WP-2		
	2018	04	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	A-Line, Track 1, Dupont Circle (A03) to Woodley Park (A04)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	4				
Recommended Finding	No	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	1030-1330	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)	A-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Dupont Circle (A03)			Woodley Park (A04)			
Vehicles	Head Car Number		Number of Cars		Equipment						
	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: 2018.04.30 13:59:16 -0400</small>
Inspector in Charge - Name Winslow Powell	Inspection Team Anthony Johnson	



Description	FWSO inspector received a job safety briefing from TRST 601 at Dupont Circle (A03) 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	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 601		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1030-1330	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID # 2432, 981						
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		
			Dupont Circle (A03)				Woodley Park (A04)				
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								

Description	FWSO inspector performed a remedial action verification on track two of the A-Line between Dupont Circle (A03) and Woodley Park (A04). Inspector also inspected track conditions in the area. During the inspection, two remedial actions were verified as complete. The following color-coded defect was noted: <ul style="list-style-type: none"> TRST 1000, 5.14.7: One bolt was missing in open joint at A1 98+20. Yellow Condition. The following non-color-coded defects were noted: <ul style="list-style-type: none"> TRST 1000, 3.1.2.5: Blue light was not functioning at Emergency Trip Station (ETS) box A 30 at A1 103+40. TRST 1000, 5.14.14: Improper joint bar was installed at the rail joint, right rail at 105+00. See Figure 1 below. TRST 1000, 13.3.14: End coverboard was missing at A1 118+70. The following remedial actions were verified complete: <ul style="list-style-type: none"> Five consecutive non-holding fasteners on the right rail repaired at A1 065+00. Replacement of non-supporting fasteners and stud bolts at A1 106+00. 	Number of Defects	4
		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 replace missing bolt at A1 98+20. WMATA must replace blue light at ETS box at A1 103+40. WMATA must replace bars with the correct type of joint bars 105+00. WMATA must replace end coverboard at A1 118+70. 		



Photo:



Figure 1: Improper joint bar was installed at the rail joint, right rail at 105+00. These bars are not designed to provide the same structural contact fitting into the web with contact along all sides of the base and underside of the ball. These are also designed with slotted bolt holes allowing excessive movement which affect RNT and opens the joint producing significant impact. They don't restrain the rail since the joint can open 2 inches as the bolt slides through the slots. They are designed to give additional protection to a field weld so if it breaks the rails stay lined up.



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	20180418-WMATA-WP-3		
	2018	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	F-Line, Track 2, between Branch Ave (F11) and Naylor Road (N09)						

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 6699			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)	F-Line		Track Number	N/A	Chain Marker and/or Station(s)		From		To					
							Branch Ave (F11)		Branch Ave (F11)					
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: 2018.04.30 13:18:58 -0400</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard, Tino Sahoo		



Description	FWSO inspectors received a job safety briefing from TRST 6699 at Branch Ave (F11) 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 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	Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6699		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1529, 1538, 1532, 1540					
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)	F-Line	Track Number	Track 2	Chain Marker and/or Station(s)			From	To			
							Branch Ave (F11)	Naylor Road (F09)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								

Description	<p>FWSO inspectors performed a remedial action verification on track one of the F-Line between Branch Ave (F11) and Naylor Road (F09). Inspectors also inspected track conditions in the area. During the inspection, four remedial actions were verified as complete.</p> <p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000 Table 13-6, Contact Rail Defects Insulator Assembly: At CM F2 427+50 to CM F2 428+50, there were seven defective insulators in 80 feet. The defect was determined to be a safety condition. WMATA RWIC #669 immediately called ROCC and requested a speed restriction. FWSO inspectors remained on site until WMATA Superintendent #96 arrived with EMT to take control of area. Speed restriction would remain applied until repairs were made. See Figures 1-3 below. Red condition. <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000 13.5.7: At CM F2 535+00, the third rail coverboard end was missing. TRST 1000 10.17.4.1: From CM F2 501+50 to CM F2 497+90, relay rail was stored between the running rail and fence line, creating a tripping hazard. TRST 1000 10.17.4.1: From CM F2 487+30 to CM F2 482+00, relay rail was stored between the running rail and fence line, creating a tripping hazard TRST 1000 13.3.4: At CM F2 480+50, the third rail anchor arm was broken. TRST 1000 13.5.7: At CM F2 397+50, the third rail coverboard end was missing. TRST 1000 10.17.4.1: From CM F2 389+20 to CM F2 385+50, relay rail was stored between the running rail and fence line, creating a tripping hazard. 	Number of Defects	7
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none">• WMATA corrected clearance issue with orange boot power assembly at CM F2 383+00.• WMATA replaced rail between CM F2 394+80 to CM F2 395+50.• WMATA has replaced broken orange boot power assembly at CM F2 398+00.• WMATA has secured third rail expansion cables at CM F2 407+70.		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must replace coverboard end cover at CM F2 535+00.• WMATA must remove relay rail at CM F2 501+50 to CM F2 497+90.• WMATA must remove relay rail at CM F2 487+30 to CM F2 482+00.• WMATA must repair third rail anchor arm at CM F2 480+50.• WMATA must replace coverboard end cover at CM F2 397+50.• WMATA remove relay rail at CM F2 389+30 to CM F2 385+50.		

Photos:



Figure 1: Third rail insulators at CM F2 427+50 to CM F2 428+50.



Figure 2: Third rail insulators at CM F2 427+50 to CM F2 428+50.



Figure 3: Third rail insulators at CM F2 427+50 to CM F2 428+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	20180419-WMATA-WP-1		
	2018	04	19				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub-Department	
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	C-Line, Track 2, between Eisenhower Ave (C14) and Braddock Road (C12)						

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	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	TP	JSB	OBS	
Job Briefing Employee Name/Title	WMATA RWIC			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No
Related Reports	N/A			Related CAPS / Findings	N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM	R-17-02									
	MSRPH	R-17-03									
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X							X	
Line(s)	C-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					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		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: 2018.04.30 14:12:58 -0400



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, 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			
	DD-TP-SSI-013												
	ATC 3004 – ATC WAYSIDE INSPECTIONS (REVISION 1, AUGUST, 2014)												
	TRST 1000												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A		
	X							X	X	X			
Line(s)	C-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From				To				
					Eisenhower Ave (C14)				Braddock Road (C12)				
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 C-Line between Eisenhower Ave (C14) and Braddock Road (C12). Inspector also inspected cable and third rail conditions. The following non-color-coded defects were observed:							Number of Defects		9			
	<ul style="list-style-type: none"> DD-TP-SSI-013: Heat shrink was compromised on three conduit stub-ups at C2 593+00. DD-TP-SSI-013: Conduit stub-up was not capped to prevent water infiltration at C2 592+00. DD-TP-SSI-013: Heat shrink was compromised on one conduit stub-up at C2 592+00. ATC 3000 Manual, Section 3004.2.3: Damaged cable was observed at C2 592+00. TRST 1000 Manual, 3.2.2.4: Tunnel wall leak with water dripping on third rail was observed at C2 581+00. DD-TP-SSI-013: Heat shrink was compromised on one conduit stub-up at C2 576+00. DD-TP-SSI-013: Conduit stub-up was not capped to prevent water infiltration at C2 576+00. DD-TP-SSI-013: Conduit stub-up O-Z Gedney bushing was compromised at C2 571+00. DD-TP-SSI-013: Heat shrink was compromised on one conduit stub-up at C2 565+00. 							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 install new heat shrink on three conduit stub-ups at C2 593+00. WMATA must cap unused conduit at C2 592+00. WMATA must install new heat shrink on conduit stub-up at C2 592+00. WMATA must replace badly damaged ATC cable at C2 592+00. WMATA must mitigate tunnel leak at C2 581+00. WMATA must install new heat shrink on three conduit stub-ups at C2 576+00. 												



- WMATA must cap unused conduit at C2 576+00.
- WMATA must replace O-Z Gedney bushing in conduit stub-up at C2 571+00.
- WMATA must install new heat shrink on three conduit stub-ups at C2 565+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	20180419-WMATA-WP-2		
	2018	04	19				
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]
Inspection Location	F-Line, Track 2, between Southern Ave (F08) and Waterfront (F04)						

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 687			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0400	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP			Standard			Other / Title		Checklist Reference			
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X					X						
Line(s)	F-Line		Track Number	N/A	Chain Marker and/or Station(s)		From			To				
							Southern Ave (F08)			Southern Ave (F08)				
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: 2018.04.30 14:16:40 -0500</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Lee Emard		



Description	<p>FWSO inspector received a job safety briefing from TRST 687 at Southern Ave (F08) 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.</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	2200-0400	Outside Shift	Yes		
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID: 2380, 1437, 2247, 2254						
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)	F-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					Southern Ave (F08)			Waterfront (F04)				
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 two of the F-Line between Southern Ave (F08) and Waterfront (F04) Inspector also inspected track conditions in the area. During the inspection, four remedial actions were verified as complete.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> ● TRST 1000 3.2.2.4: At CM F2 249+30, a tunnel leak was observed over the catwalk with buildup of sediment, mud, and water running through an open electrical box creating an electrical hazard. See Figure 1 below. ● TRST 1000 13.5.7: At CM F2 169+70 to CM F2 170+10, the third rail end approach coverboard and three pieces of top coverboard were missing. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> ● Rail was replaced at CM F2 311+00 left rail. ● ETS light at Congress Heights Station (F07) box F-88. ● Frog Plats at CM F2 192+14 switch 3B have been re-attached. ● Number four switch rod at 119+79 switch 3B has been tightened. 							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 repair tunnel leak over cat walk at CM F2 249+30. ● WMATA must replace third rail coverboard at CM F2 169+70 to CM F2 170+10. 											

Photo:



Figure 1: CM 249+30 tunnel leak through electric box.



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	20180419-WMATA-WP-3		
	2018	04	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	A-Line, Track 2, Woodley Park (A04) to Metro Center (A01)						

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 6446			Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	Outside Shift	Yes			
Related Reports	N/A			Related CAPS / Findings			N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP			Standard			Other / Title		Checklist Reference				
	RWPM													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A			
			X							X				
Line(s)	A-Line	Track Number	Track 2		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		Date	
		WINSLOW L. POWELL	
Inspector in Charge - Name Winslow Powell		Inspection Team Al Nepa	



Description	<p>FWSO inspector received a job safety briefing from TRST 6446 at Woodley Park (A04) 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.</p> <p>A post inspection safety briefing was conducted with the entire work group at Metro Center (A01) station. No issues were raised or discussed and no exceptions were taken.</p> <p>The FWSO inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code	TRK	WI	PI	
Job Briefing Employee Name/Title	TRST 6446		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 2426, 1056, 1057, 1054, 980, 979, 978						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	A-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Woodley Park (A04)			Metro Center (A01)			
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 two of the A-Line between Woodley Park (A04) and Metro Center (A01). Inspector also inspected track conditions in the area. During the inspection, seven remedial actions were verified as complete.</p> <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.5.7: At A3 72+50 at the A03-1B switch, in the crossover, the coverboard on the kicker rail was missing. TRST 1000, 13.5.7: At A2 37+00 the end approach coverboard was missing. <p>The following remedial actions have been verified complete:</p> <ul style="list-style-type: none"> WMATA has repaired the train approach warning lights at Metro Center platform. WMATA has installed the missing coverboard at the A-230 signal A2 54+80. WMATA has repaired the loose number 5 switch rod at the A-230 signal. WMATA has repaired the defective fasteners on the left rail at the A-230 signal, CM A2 57+00. WMATA has replaced the rail at A2 082+50. WMATA has repaired the third rail insulator at A2-83+60. WMATA has repaired the fasteners at A2 106+00. 						Number of Defects	2			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	<p>To achieve compliance with WMATA standards:</p> <ul style="list-style-type: none"> WMATA must fix the missing coverboard on the stinger rail at A3 72+50. WMATA must replace the missing third rail end coverboard at A2 37+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	20180422-WMATA-WP-1		
	2018	04	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]
Inspection Location	C-Line, Tracks 1 and 2, Huntington (C15) to Eisenhower Avenue (C14)						

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 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)	C-Line	Track Number	N/A		Chain Marker and/or Station(s)		From		To					
							Huntington (C15)		Huntington (C15)					
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: 2018.04.30 10:24:52 -0400</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Alexander Nepa		



Description	FWSO inspector received a job safety briefing from TRST 6014 at the Huntington (C15) station 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 inspector did not note any defects.							Number of Defects		0		
								Recommended Finding?		No		
								Remedial Action Required?		No		
								Recommended Reinspection?		No		
Remedial Action	N/A											
Inspection Activity #	2	Inspection Subject				Work Zone Setup Verification		Activity Code		TRK	WI	PI
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											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X	X		
Line(s)	C-Line	Track Number	Track 1 & 2	Chain Marker and/or Station(s)	From			To				
					Huntington Station (C15)			Eisenhower Station (C14)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									
Description	FWSO inspector performed a work zone set-up verification between Huntington (C15) and Eisenhower(C14) stations. Inspector also inspected track conditions in the area. The work zone set-up observed at C 1 & 2 637+37, 574+60 and 536+50 were verified, cored, and in full compliance with WMATA RWP requirements. The following non-color-coded defect was observed: <ul style="list-style-type: none"> TRST 1000, 3.2.2.4: At C1 635+00, a side wall tunnel leak was observed. This condition was allowing water to strike the third rail, the running rail, and the fastening system, and causing corrosion. See Figure 1 below. 							Number of Defects		1		
								Recommended Finding?		No		
								Remedial Action Required?		Yes		
								Recommended Reinspection?		Yes		
Remedial Action	To achieve compliance with WMATA standards: <ul style="list-style-type: none"> WMATA must repair the tunnel leak and access the third rail, running rail, and fasteners at C1 635+00. 											

Photo:



Figure 1: Sidewall tunnel leak at CM C1 635+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	20180424-WMATA-WP-1		
	2018	04	24				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	E-Line, Track 1, College Park (E09) to West Hyattsville (E07)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 6168 and 6699				Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1430	Outside Shift	No	
Related Reports	N/A				Related CAPS / Findings			N/A					
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard			Other / Title		Checklist Reference			
	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	Track 1		Chain Marker and/or Station(s)			From		To			
								College Park (E09) Prince George Plaza (E08)		College Park (E09) Prince George Plaza (E08)			
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 <small>Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.30 14:28:00 -0400</small>		Date
Inspector in Charge - Name Winslow Powell	Inspection Team Al Nepa			



Description	<p>FWSO inspector received job safety briefings from TRST 6168 at College Park Station (E09) and from TRST 6699 at Prince George Plaza Station (E08) prior to entering the roadway. The briefings 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>A post inspection safety briefing was conducted with the entire work group at West Hyattsville (E07) station. No issues were raised or discussed and no exceptions were taken.</p> <p>The FWSO inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6168 and 6699		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1430	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 158, 1468, 1519						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	E-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					College Park (E09)			West Hyattsville (E07)			
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 one of the E-Line between College Park (E09) and West Hyattsville (E07). Inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.</p> <p>The following non-color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, 3.1.2.2: At E1 393+20, a blocked center drain was observed. <p>The following remedial actions have been verified complete:</p> <ul style="list-style-type: none"> WMATA has replaced the frog at E1 284+50 switch number 1A, eliminating the riser/tread wear. WMATA has repaired the mud and drainage issue at E1 393+75. WMATA has repaired the blocked center drain at E1 532+22. 						Number of Defects	1			
							Recommended Finding?	No			
							Remedial Action Required?	Yes			
							Recommended Reinspection?	Yes			
Remedial Action	<p>To achieve compliance with WMATA standards:</p> <ul style="list-style-type: none"> WMATA must fix the blocked center drain at E1 393+20 so water can drain as designed. 										



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	20180424-WMATA-WP-2		
	2018	04	24				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	E-Line, Track 1, between Fort Totten (E06) and Mt Vernon (E01)						

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	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		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 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)	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	Digitally signed by WINSLOW L. POWELL DN: cn=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.30 14:30:56 -0400
Inspector in Charge - Name	Winslow Powell	Inspection Team	Tino Sahoo		



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Fort Totten (E06) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 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, 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)	E-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To				
					Fort Totten (E06)			Mt Vernon (E01)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A						
	N/A		N/A									

Description	FWSO inspector performed a remedial action verification on track one of the E-Line between Fort Totten (E06) and Mt Vernon (E01). The inspector also inspected track conditions in the area. During the inspection, no remedial actions were verified as complete. The following color-coded defect was observed: <ul style="list-style-type: none"> TRST 1000 Manual, Table 5-3: Chipped left running rail was observed at E1 034+00. Yellow Condition The following non-color-coded defects were observed: <ul style="list-style-type: none"> TRST 1000 Manual, 10.17.4.1: Relay rail was observed in track bed between E1 247+00 and E1 244+00. TRST 1000 Manual, 10.17.4.1: Relay rail was observed in track bed between E1 240+00 and E1 235+00. TRST 1000 Manual, 10.17.4.1: Relay rail was observed in track bed between E1 229+00 and E1 225+00. TRST 1000 Manual, 10.17.4.1: Relay rail was observed in track bed between E1 222+00 and E1 217+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at E1 212+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at E1 210+00. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain and mud were observed at E1 199+80. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed at E1 196+00. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed between E1 194+00 and E1 192+00. TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain and mud were observed between E1 161+00 and E1 160+00. TRST 1000 Manual, 10.17.4.1: Relay rail was observed in track bed between E1 156+00 and E1 148+00. TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed between E1 117+00 and E1 116+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 fix chipped left running rail at E1 034+00.• WMATA must remove relay rail between E1 247+00 and E1 244+00.• WMATA must remove relay rail between E1 240+00 and E1 235+00.• WMATA must remove relay rail between E1 229+00 and E1 225+00.• WMATA must remove relay rail between E1 220+00 and E1 217+00.• WMATA must mitigate water intrusion and clean up mud at E1 212+00.• WMATA must mitigate water intrusion and clean up mud at E1 210+00.• WMATA must unclog tunnel invert drain and clean up mud at E1 199+80.• WMATA must unclog tunnel invert drain at E1 196+00.• WMATA must unclog tunnel invert drain between E1 194+00 and E1 192+00.• WMATA must unclog tunnel invert drain and clean up mud between E1 161+00 and E1 160+00.• WMATA must remove relay rail between E1 156+00 and E1 148+00.• WMATA must mitigate water intrusion and clean up mud between E1 117+00 and E1 116+00.
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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	20180424-WMATA-WP-3		
	2018	04	24				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
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)	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 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1415	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	J-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						Van Dorn Street (J02)		Franconia-Springfield (J03)			
Vehicles	Head Car Number		Number of Cars		Equipment						
	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, Paul Martinez		



Description	FWSO inspectors received a job safety briefing from TRST 6094 at Van Dorn Street (J02) 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	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1415	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID # 2145, 2147, 2144, 2146						
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)	J-Line	Track Number	Track 1		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	FWSO inspectors performed a remedial action verification on track one of the J-Line between Van Dorn Street (J02) and Franconia-Springfield (J03). Inspector also inspected track conditions in the area. During the inspection, four remedial actions were verified as complete.						Number of Defects	4
							Recommended Finding?	No
							Remedial Action Required?	Yes
	<p>The following color-coded defects were noted:</p> <ul style="list-style-type: none"> TRST 1000, Table 9-4: Chipped Point (Width 1/8") Right hand point, turnout side 1A switch at J1 874+00. See Figure 1 below. Yellow Condition TRST 1000, 5.23.3, Tables 5-40 & 5-43: Non-Testable Rail, right rail eight feet in length at J1 856+50. See Figure 2 below. Yellow Condition. <p>The following non-color-coded defects were noted:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: End coverboard was missing at J1 694+80. TRST 1000, 10.17.4.1: Relay rail was located in the gauge of track at J1 869+80. <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> Defective insulator repaired at J1 732+50. Replaced missing cover board at J1 732+50. Corrected end approach height at J1 732+50. Replaced defective insulator at J1 826+60. 						Recommended Reinspection?	Yes
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must repair switch point at J1 874+00. WMATA must protect Non-Testable Rail per tables 5-40 & 5-43 at J1 856+50. WMATA must replace end coverboard at J1 694+80. WMATA must remove rail at J1 869+80. 							



Photos:



Figure 1: Chipped Point (Width 1/8") Right hand point, turnout side 1A switch at J1 874+00.



Figure 2: Non-Testable Rail, right rail eight feet in length at J1 856+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	20180425-WMATA-WP-1		
	2018	04	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]
Inspection Location	D-Line, Track 2, D and G Junction (D98) to Deanwood (D10)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	0				
Recommended Finding	No	No				
Remedial Action 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 6379		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	D-Line		Track Number	Track 2	Chain Marker and/or Station(s)		From		To		
							Stadium Armory (D08)		Stadium Armory (D08)		
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	
Inspector in Charge - Name Winslow Powell		Inspection Team Alexander Nepa	



Description	<p>FWSO inspector received a job safety briefing from TRST 6379 at Stadium Armory (D08) 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.</p> <p>A post inspection safety briefing was conducted with the entire work group at Deanwood (D10) station. No issues were raised or discussed and no exceptions were taken.</p> <p>The FWSO inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6379		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No		
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1080, 1081, 2371							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference			
	TRST 1000											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X		X		
Line(s)	D-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					D and G Junction (D98)			Deanwood (D10)				
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 two of the D-Line between the D and G Junction (D98) and Deanwood (D10). Inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.</p> <p>The FWSO inspector did not note any defects.</p> <p>The following remedial actions have been verified complete:</p> <ul style="list-style-type: none"> • WMATA has replaced the fasteners at D2 286+50, and the grout pad condition observed was within WMATA TRST maintenance standards. • WMATA has replaced the fasteners at D2 287+00, and the grout pad condition observed was within WMATTA TRST maintenance standards. • WMATA has replaced three sections of continuous third rail coverboards at D2 347+30. No end approach was observed in that area. 							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	20180425-WMATA-WP-2		
	2018	04	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]
Inspection Location	E-Line, Track 2, between Mt Vernon (E01) and Fort Totten (E06)						

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	12				
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 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)	E-Line	Track Number	N/A	Chain Marker and/or Station(s)			From		To					
							Mt Vernon (E01)		Mt Vernon (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		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: 2018.04.30 14:43:21 -0400



Description	FWSO inspector received a job safety briefing from TRST Roadway Worker in Charge (RWIC) at Mt Vernon (E01) 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?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST RWIC		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1400	Outside Shift	No		
Related Reports	N/A		Related CAPS / Findings			Remedial Action ID #: 1141, 2232, 2239, 2243						
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)	E-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To				
					Mt Vernon (E01)			Fort Totten (E06)				
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 two of the E-Line between Mt Vernon (E01) and Fort Totten (E06). The inspector also inspected track conditions in the area. During the inspection, four remedial actions were verified as complete.</p> <p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, Table 9-5: Chipped and pitted frog point was observed at E2 045+00. Yellow Condition • TRST 1000 Manual, Table 9-5: Chipped and pitted switch point was observed at, switch 11B, E2 045+00. Yellow Condition • TRST 1000 Manual, Table 5-3: Chipped left running rail was observed at E2 096+00. Yellow Condition <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> • TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed at E2 052+00. • TRST 1000 Manual, 3.2.2.1: Standing water and heavy mud were observed between E2 052+00 and E2 058+00 (Shaw-Howard Platform). • TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed between E2 059+00 and E2 060+00. • TRST 1000 Manual, 3.2.2.4: Tunnel wall leak with water pooling on safety catwalk was observed at E2 066+00. • TRST 1000 Manual, 3.2.2.4: Tunnel wall leak was observed at E2 075+00. • TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain and mud were observed between E2 099+00 and E1 100+00. • TRST 1000 Manual, 3.2.2.4: Tunnel wall leak with water pooling on safety catwalk was observed at E2 135+50. • TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed between E2 155+00 and E2 156+00. • TRST 1000 Manual, 3.2.2.1: Clogged tunnel invert drain was observed between E2 164+00 and E2 166+00. 	Number of Defects	12
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<p>Other Notable Observations:</p> <ul style="list-style-type: none"> Rail end mismatch was observed at E2 139+50. <p>The following remedial actions were verified as complete:</p> <ul style="list-style-type: none"> The third rail end approach coverboard has been replaced at E2 035+00. The defective fasteners have been replaced at E2 073+00. The water leak has been mitigated at E2 138+00. The rail has been welded at E2 172+60. 		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must fix chipped and pitted frog point at E2 045+00. WMATA must fix chipped and pitted switch point, switch 11B, at E2 045+00. WMATA must fix chipped left running rail at E2 096+00. WMATA must mitigate water intrusion and clean up mud at E2 052+00. WMATA must mitigate water intrusion and clean up mud between E2 052+00 and E2 058+00 (Shaw-Howard Platform). WMATA must unclog tunnel invert drain between E2 059+00 and E2 060+00. WMATA must mitigate tunnel wall leak at E2 066+00. WMATA must mitigate tunnel wall leak at E2 075+00. WMATA must unclog tunnel invert drain and clean up mud between E2 099+00 and E2 100+00. WMATA must mitigate tunnel wall leak at E2 135+50. WMATA must unclog tunnel invert drain between E2 155+00 and E2 156+00. WMATA must unclog tunnel invert drain between E2 164+00 and E2 166+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	20180425-WMATA-WP-3		
	2018	04	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]
Inspection Location	E-Line, Track 2, Fort Totten (E06) to College Park-U of MD (E09)						

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 6699		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	N/A							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	E-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						Fort Totten (E06)		College Park (E09)			
Vehicles	Head Car Number		Number of Cars		Equipment						
	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 <small>Digitally signed by WINSLOW L. POWELL DN: cn=W.L. Powell, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.04.25 14:46:45 -0400</small>		Date
Inspector in Charge - Name Winslow Powell	Inspection Team Anthony Johnson, Paul Martinez		



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 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	Remedial Action Verification					Activity Code	TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6699		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1500	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings	Remedial Action ID # 2073, 2226, 2073							
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)	E-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From		To				
					Fort Totten (E06)		College Park-U of MD (E09)				
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspectors performed a remedial action verification on track two of the E-Line between Fort Totten (E06) and College Park-U of MD (E09). Inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.							Number of Defects	5		
								Recommended Finding?	No		
								Remedial Action Required?	Yes		
	<p>The following color-coded defect was observed:</p> <ul style="list-style-type: none"> TRST 1000, Table 9-4: Chipped point (width 1/4 inch) left hand point was observed at turnout side 3B switch at E2 283+60. Red Condition <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: End coverboard was missing at E2 283+50. TRST 1000, 3.2.2.4: Tunnel leak onto third rail and center of track was observed at E2 320+20. TRST 1000, 10.17.4.1: Relay rail located in trackway at E2 348+00. TRST 1000, 13.3.14: End coverboard was missing at E2 414+20. <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> Tunnel leak repaired at E2 288+55. Defective fasteners repaired at E2 340+75. ETS light repaired at E2 360+50. 							Recommended Reinspection?	Yes		



Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none">• WMATA must repair left hand point at 3B switch turnout side at E2 283+60.• WMATA must replace end coverboard at E2 283+50.• WMATA must repair tunnel leak at E2 320+20.• WMATA must remove relay rail between E2 348+00 and 332+00.• WMATA must replace end coverboard at E2 414+20.
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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	20180426-WMATA-WP-1		
	2018	04	26				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	K-Line, Track 2, Vienna (K08) to West Falls Church (K06)						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	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 6034		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X					X			
Line(s)	K-Line	Track Number	N/A	Chain Marker and/or Station(s)		From		To			
						Vienna (K08)		West Falls Church (K06)			
Vehicles	Head Car Number		Number of Cars		Equipment						
	N/A		N/A								

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: 2018.04.30 14:48:11 -0400</small>	
Inspector in Charge - Name Winslow Powell	Inspection Team Anthony Johnson, Paul Martinez		



Description	FWSO inspectors received a job safety briefing from TRST 6034 at Vienna (K08) 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 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	Remedial Action Verification					Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6034		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	1000-1330	Outside Shift	Yes		
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID # 1693, 1692, 1549							
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard			Other / Title		Checklist Reference			
	TRST-1000, rev. 6											
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A	
	X							X	X			
Line(s)	K-Line	Track Number	Track 2	Chain Marker and/or Station(s)			From		To			
							Vienna (K08)		West Falls Church (K06)			
Vehicles	Head Car Number		Number of Cars		Equipment		N/A					
	N/A		N/A									
Description	FWSO inspectors performed a remedial action verification on track two of the K-Line between Vienna (K08) and West Falls Church (K06). Inspector also inspected track conditions in the area. During the inspection, three remedial actions were verified as complete.							Number of Defects		7		
								Recommended Finding?		No		
								Remedial Action Required?		Yes		
	<p>The following color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 5.23.3, Tables 5-40 & 5-43: Non-Testable Rail, right rail sixteen feet in length at K2 689+50. See figure 1 below. Yellow Condition TRST 1000, 5.23.3, Tables 5-40 & 5-43: Non-Testable Rail, right rail ten feet in length at K2 687+80. See figure 2 below. Yellow Condition <p>The following non-color-coded defects were observed:</p> <ul style="list-style-type: none"> TRST 1000, 13.3.14: End coverboard was missing at K2 709+10. TRST 1000, 13.3.4: Broken anchor arm was observed at K2 702+90. TRST 1000, 13.3.14: End coverboard was missing at K2 678+00. TRST 1000, 13.3.4: Broken anchor arm was observed at K2 661+90. TRST 1000, 13.3.4: Broken anchor arm was observed at K2 603+90. <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> Shelling condition repaired at K2 565+80. Shelling condition repaired at K2 579+15. Defective switch timber repaired at K3 525+00. 							Recommended Reinspection?		Yes		
Remedial Action	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> WMATA must protect Non-Testable Rail per tables 5-40 & 5-43 at K2 689+50. WMATA must protect Non-Testable Rail per tables 5-40 & 5-43 at K2 687+80. WMATA must replace end coverboard at K2 709+10. WMATA must repair broken anchor arm at K2 702+90. WMATA must replace end coverboard at K2 678+00. WMATA must repair broken anchor arm at K2 661+90. WMATA must repair broken anchor arm at K2 603+90. 											



Photos:



Figure 1: Non-Testable Rail, sixteen feet in length, left rail and high rail of curve at 689+50.



Figure 2: Non-Testable Rail, left rail and high rail of curve at 687+80.



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

Form FTA-IR-1

United States Department of Transportation
Federal Transit Administration

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20180426-WMATA-WP-2		
	2018	04	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]
Inspection Location	Braddock Road (C12), Potomac R.R. Yard (C11), National Airport (C10), Shirley Highway (C08) 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	11				
Recommended Finding	No	No				
Remedial Action Required¹	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)	C-Line	Track Number	N/A	Chain Marker and/or Station(s)	From			To			
					Braddock Road (C12) TPSS			Braddock Road (C12) 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: cn=US, o=US Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.05.03 07:29:39 -0407



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							

Line(s)	C-Line	Track Number	N/A	Chain Marker and/or Station(s)	From		To	

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

Description	<p>The FWSO inspector visually inspected the condition of all electrical equipment in the traction power substation (TPSS) and the overall facility condition. The Braddock Road (C12), Potomac R.R. Yard (C11), National Airport (C10), and Shirley Highway (C08) 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: UPS was observed to be in bypass mode at Braddock Road (C12) TPSS. PMI 4.12: Earth fault DC alarm was observed on UPS at Potomac R.R. Yard (C11) TPSS. PMI 4.12: Asynchronous alarm was observed on UPS at Potomac R.R. Yard (C11) TPSS. PMI 4.12: Bypass mains faults was observed on UPS at Potomac R.R. Yard (C11) TPSS. PMI 4.12: EN inhibited alarm was observed on UPS at Potomac R.R. Yard (C11) TPSS. PMI 4.12: Fan failure alarm was observed on UPS at Potomac R.R. Yard (C11) TPSS. PMI 4.12.8: Battery charger ground fault alarm was observed at National Airport (C10) TPSS. 	Number of Defects	11
		Recommended Finding?	No
		Remedial Action Required?	Yes
		Recommended Reinspection?	Yes



	<ul style="list-style-type: none"> • PMI 1.3: Water intrusion and standing water below battery charger were observed, and the bottom of battery charger was rusted out at National Airport (C10) TPSS. • PMI 1.3: Water intrusion and standing water below rectifier transformer #4 were observed at National Airport (C10) TPSS. • PMI 4.12: Inverter was observed to be in bypass mode at National Airport (C10) TPSS. • PMI 4.12: Inverter was observed to be off at Shirley Highway (C08) TPSS. 		
<p>Remedial Action</p>	<p>To achieve compliance with WMATA's requirements:</p> <ul style="list-style-type: none"> • WMATA must bring UPS into normal mode at Braddock Road (C12) TPSS. • WMATA must rectify earth fault DC alarm on UPS at Potomac R.R. Yard (C11) TPSS. • WMATA must rectify asynchronous alarm on UPS at Potomac R.R. Yard (C11) TPSS. • WMATA must rectify bypass main faults on UPS at Potomac R.R. Yard (C11) TPSS. • WMATA must rectify EN inhibited alarm on UPS at Potomac R.R. Yard (C11) TPSS. • WMATA must rectify fan failure alarm on UPS at Potomac R.R. Yard (C11) TPSS. • WMATA must rectify ground fault alarm on battery charger at National Airport (C10) TPSS. • WMATA must mitigate water intrusion and examine condition of battery charger at National Airport (C10) TPSS. • WMATA must mitigate water intrusion below rectifier transformer #4 at National Airport (C10) TPSS. • WMATA must bring inverter into normal mode at National Airport (C1) TPSS. • WMATA must bring inverter back in service at Shirley Highway (C08) 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	20180426-WMATA-WP-3		
	2018	04	26				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub-Department	TKIN
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	K-Line, Track 1 between Rosslyn (C05) and Clarendon (K02)						

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 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	RWPM										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
			X						X		
Line(s)	K-Line	Track Number	Track 1	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	<small>Digitally signed by WINSLOW L. POWELL DN: cn=US, o=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL Date: 2018.05.03 07:35:49 -0400</small>	Date
Inspector in Charge - Name Winslow Powell	Inspection Team Alexander Nepa			



Description	<p>FWSO inspector received job safety briefing from TRST 6094 at Rosslyn (C05) 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.</p> <p>A post inspection safety briefing was conducted with the entire work group at Clarendon (K02) station. No issues were raised or discussed and no exceptions were taken.</p> <p>The FWSO inspector did not note any defects.</p>	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Remedial Action Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6094		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	2200-0600	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings		Remedial Action ID #: 1473, 2100, 2102, 1167						
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)	K-Line	Track Number	Track 1	Chain Marker and/or Station(s)	From			To			
					Rosslyn (C05)			Clarendon (K02)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	<p>FWSO inspector performed a remedial action verification on track one of the K-Line between the Rosslyn (C05) and Clarendon (K02). Inspector also inspected track conditions in the area. During the inspection, four remedial actions were verified as complete.</p> <p>The FWSO inspector did not note any defects.</p> <p>The following remedial actions were verified complete:</p> <ul style="list-style-type: none"> • WMATA has replaced the fasteners at on the right rail, turnout side of switch number one at C1 147+00. • WMATA has removed the relay rail between K1 148+00 and 160+00. • WMATA has mitigated the water intrusion at K1 187+00. • WMATA has replaced the third rail end approach at K1 222+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	20180428-WMATA-WP-1		
	2018	04	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]
Inspection Location	D-Line, Track 2, between Stadium Armory (D08) and Eastern Market (D05)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject				Job Safety Briefing			Activity Code		TRK	JSB	OBS
Job Briefing Employee Name/Title	TRST 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)	D-Line		Track Number	N/A	Chain Marker and/or Station(s)			From		To			
								Stadium Armory (D08)		Stadium Armory (D08)			
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 Alexander Nepa		

Digitally signed by WINSLOW L. POWELL
DN: c=US, ou=U.S. Government, ou=FTAHQ, ou=DOT Headquarters, cn=WINSLOW L. POWELL
Date: 2018.05.03 07:33:02 -0400



Description	FWSO inspector received a job safety briefing from TRST 6014 at the Stadium Armory (D08) station 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 inspector did not note any defects.	Number of Defects	0
		Recommended Finding?	No
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspection Subject	Work Zone Setup Verification				Activity Code		TRK	WI	PI
Job Briefing Employee Name/Title	TRST 6014		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800-1200	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings								
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	TRST 1000										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	Tunnel	Elevated	N/A
	X							X	X	X	
Line(s)	D-Line	Track Number	Track 2	Chain Marker and/or Station(s)	From			To			
					Stadium Armory (D08)			Eastern Market (D06)			
Vehicles	Head Car Number		Number of Cars		Equipment	N/A					
	N/A		N/A								
Description	FWSO inspector performed a work zone setup verification between Stadium Armory (D08) and Eastern Market (D06) stations. Inspector also observed rail destressing at D2 296+00.						Number of Defects		0		
	The work zone setup observed at D2 145+00 and D2 270+60 was correct and in full compliance with WMATA RWP requirements. The rail destressing program was observed to be consistent with WMATA procedures. FWSO inspector did not note any defects.						Recommended Finding?		No		
							Remedial Action Required?		No		
							Recommended Reinspection?		N/A		
Remedial Action	N/A										