

Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171101-W		C 1					
inspection Date	2017	11	01	Report Number	20171101-001	VIAIA-A	G-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	artment	TKIN				
	1	Name		Email	Office Phon	1obile Phone						
Rail Agency Department Contact Information												
Inspection Location	D-Line, Track	Line, Tracks 1 and 2, Minnesota Ave. (D09) to D and G Junction (D98)										

Inspection Summary

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

Activity Summaries

1	Inspection Sub	ject	Job Safe	ety Brie	efing			Activity Co	ode	TR	K JS	В	OBS
TRST 6	380					Yes	Out Brief Conducted	Yes	Time				Yes
N/A				Related CAPS / Findings N/A									
Ref			Rule or S	OP		Standard		Other / T	ītle		Checklist Reference		
RWPM													
	Yard	Stati	on C	DCC	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Elevated		N/A
ection Location X						таск туре	x			х			
								From			T)	
D-Line		er	Tracks and 2	1			D1 321+70 D2 321+70			D1 270+00			
	TRST 6 N/A Ref RWPM Main Track X	TRST 6380 N/A Ref RWPM Main Track X Deline Track Track Track Track	N/A Ref RWPM Main Track X Track Track	TRST 6380 N/A Ref Rule or S RWPM Main Track X Vard Station C Track Track Track Track Track Track Track	TRST 6380	TRST 6380 Main Yard Station OCC RTA Facility X Track Tracks 1 Chain Main	TRST 6380 Accompanied Inspector? Yes N/A Related CAPS / Findings Ref Rule or SOP Standard RWPM Image: Standard Standard Main Track Yard Station OCC RTA Facility FTA Office X Image: Station Tracks 1 Chain Marker	TRST 6380 Accompanied Inspector? Yes Out Brief Conducted N/A Related CAPS / Findings N/A Ref Rule or SOP Standard RWPM Station OCC RTA Facility FTA Office Main Track Yard Station OCC RTA Facility FTA Office X Image: Station conduction Image: Station conduction Image: Station conduction Image: Station conduction Deline Track Tracks 1 Chain Marker Image: Station conduction	TRST 6380 Accompanied Inspector? Yes Out Brief Conducted Yes N/A Related CAPS / Findings N/A Ref Rule or SOP Standard Other / T RWPM Image: Constraint of the second secon	TRST 6380Accompanied Inspector?YesOut Brief ConductedYesTimeN/ARelated CAPS / FindingsN/ARefRule or SOPStandardOther / TitleRWPMImage: Constraint of the second	TRST 6380Accompanied Inspector?YesOut Brief ConductedYesTime220 040N/ARelated CAPS / FindingsN/ARefRule or SOPStandardOther / TitleRWPMImage: Some standardOther / TitleRWPMImage: Some standardOther / TitleMain TrackYardStationOCCRTA FacilityFTA OfficeAt-gradeTunnelXImage: Some standardImage: Some standardImage: Some standardImage: Some standardImage: Some standardD-LineImage: Some standardImage: Some standardChain Marker and/or Station(s)Image: Some standardImage: Some standardD-LineImage: Some standardImage: Some standardImage: Some standardImage: Some standardImage: Some standardD-LineImage: Some standardImage: Some stand	TRST 6380Accompanied Inspector?YesOut Brief ConductedYesTime 2200 0400 Outs ShiN/ARelated CAPS / FindingsN/ARefRule or SOPStandardOther / TitleChecklist FRWPMImage: Some standardOther / TitleChecklist FRWPMImage: Some standardOther / TitleChecklist FRWPMImage: Some standardImage: Some standardOther / TitleChecklist FRWPMImage: Some standardImage: Some standardImage: Some standardImage: Some standardMain TrackYardStationOCCRTA FacilityFTA OfficeImage: Some standardImage: Some standardMain TrackYardStationOCCRTA FacilityFTA OfficeImage: Some standardImage: Some standardMain TrackTrack NumberTracks 1 and 2Chain Marker and/or Station(s)Image: Some standardImage: Some standardD-LineTrack NumberTracks 1 and 2Chain Marker and/or Station(s)Image: Some standardImage: Some standard	TRST 6380Accompanied Inspector?YesOut Brief ConductedYesTime $2200-0400OutsideShiftN/ARelated CAPS / FindingsN/ARefRule or SOPStandardOther / TitleChecklist RefereConductedRWPMImage: Some standardOther / TitleChecklist RefereConductedRWPMImage: Some standardOther / TitleChecklist RefereConductedRWPMImage: Some standardImage: Some standardOther / TitleChecklist RefereConductedMainTrackYardStationOCCRTAFacilityFTAOfficeAt-gradeImage: Some standardMainTrackYardStationOCCRTAFacilityFTAOfficeAt-gradeImage: Some standardImage: Some standardD-LineImage: Some standardChain Markerand/or Station(s)Image: Some standardImage: Some standardImage: Some standardD-LineImage: Some standardChain Markerand/or Station(s)Image: Some standardImage: Some standardImage: Some standardD-LineImage: Some standardChain Markerand/or Station(s)Image: Some standardImage: Some standard<$

AM ANTHONY GIOVANDO	DN: c=US, o=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.11.03 16:13:14 -04'00'	IIX, ou=DUT FKAFtWorthTX, cn=ADAM
nspection Team Adam Giovando, Ken Sgroi, Mike Vitale		
Ir	nspection Team	Date: 2017.11.03 16:13:14 -04'00'



Vehicles	Head C	ar Number	N	umber c	of Cars	Fauin	mont	N/A						
venicies		N/A		N/A	L .	Equip	ment	N/A						
		• • • •		-		•			Number	of Defec	ts			0
	charge (RWLC) at Minnesota Ave. (D09) prior to entering the roadway. The binnesota Ave. (D09) prior to entering the roadway wraning, the working limits, where to clear, known hazards and hotspots, the safety rule of the day, location of nearest hospital, and a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID. Recommended Finding? Not The FWSO Inspector did not note any defects. Remedial Action Verification Activity Code TRK WI Citivity # 2 Inspector? Yes Out Brief Conducted Yes Time 2200- 0400 Outside Shift Conducted Yes Time 2200- 0400 Shift Conducted Yes Time 2200- 0400 Outside Shift Remedial Action Verification Remedial Action ID #s: 1013, 1226 Conducted Yes Time 2200- 0400 Shift Conducted Yes Time 2010 Other / Title Checklist Reference Solspan="2">Solspan="2">N/A N/A N/A N/A Yes Time 20120-00 2200-00 2210-00 2210-00 2210-00 2210+00 2210+00 2210+00 2210+00 2210+00			No										
Description	U U		<i>/</i> ·			•		0,,,	Remedia	al Action	Require	ed?		No
Description				•			•	ctive						
	equipme	nt (PPE) and	roadwa	y worke	er protecti	on (RWF	²) ID.		Recomm	nended R	einspeo	tion?	No	
	The FWS	O Inspector	did not	note an	y defects.									
Remedial Action	N/A													
Inspection Activity #	2 In	spection Sub	ject	Remedi	al Action V	Verificat	ion		Activity C	ode	TR	ĸ	WI	PI
Job Briefing						a set a st		Out Brief			220			
Employee Name/Title	TRST 638	30					Yes		Yes	Time				Yes
	E17562													
Related Reports					Related	CAPS /	Findings	Remedial Act	ion ID #s: 10	013, 1226	5			
		4-WMATA-W					Chandand		Other /			Charle	at Defer	
Related Rules, SOPs,	-	0	F	kule or S	ΟP		Standard		Other /	itte		Cneck	ist Kefer	ence
Standards, or Other	11/21 100	0												
	Main					RTA	FTA							
		Yard	Statio	on C	DCC F			Total Tax	At-grad	e Tu	nnel	Eleva	ited	N/A
Inspection Location	x							таск туре	x			Х		
									From				То	
Line(s)	D-Line		or					D1 321+70			D1 2	70+00		
		Numb			a	110/01/51	ation(s)	D2 321+70			D2 2	70+00		
Vehicles	Head C	ar Number	N	umber c	of Cars	Fauin	mont	N/A						
venicies													-	
									Number	of Defec	ts			4
						nspect t	rack conditio	ons and follow	Recomm	nended Fi	nding?			Yes
	ap on pr								Remedia	al Action	Require	ed?		Yes
		-					- ((
	•													
	•	TRST 1000	, Table	7-1: 143	inches be	etween e	effective fast	eners and ¾						
			еа ру к	wic and	a reported	I to FWS	O as E17562	. віаск						
	•		, Table	9-3: 3/8	inch of w	ear on tl	he frog at D1	283+80. Red						
Description		Condition.												
	The follo	wing non-co	lor-cod	ed defeo	cts were o	bserved	l:							
	•	TRST 1000 283+50. Se				on was no	oted on the i	right rail at D1	Recomm	ended R	einspeo	tion?		Yes
	Other No	otable Obser	vations	:										
	•	Fastener n	uts are	loose be	etween D2	2 285+00) and 281+00).						
	The follo	wing remedi	al actio	ns were	verified a	as comp	lete							
	•	Remedial	Action I	D #1013				ive fasteners						
		on the aer			5. \A/N 4 A T A	has rem	laced incom	act joint har at						
	•	D1 270+10		D #1226	. WIVIATA	mas rep	naceu incorri	ect joint bar at						



	To achieve compliance with WMATA's requirements:
	• WMATA must replace defective fasteners at D2 278+00, right rail.
Remedial Action	WMATA must replace defective fasteners at D2 280+50, right rail.
	WMATA must address wear on the frog at D1 283+80.
	WMATA must address spalling condition on the right rail at D1 283+50.

Photos



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



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Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171102-WN	ΛΛΤΛ Λ	C 1				
inspection Date	2017	11	02	Report Number							
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	artment	TKIN			
	1	Name		Email	Office Phone I			Nobile Phone			
Rail Agency Department Contact Information											
		Ī									
Inspection Location	A-Line, Track	2, Bethesda (A09) to Van Ne	ss (A06)							

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	14				
Recommended Finding	No	Yes				
Remedial Action Required ¹	No	Yes				
Recommended Reinspection	No	Yes				

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ject	Job Safe	ety Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	6030					mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	Yes
Related Reports	N/A					Relat	ed CAPS / F	indings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Checklist Reference		
Related Rules, SOPs, Standards, or Other	RWP	М													
Standards, or other															
luce estimates and	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Treads Tores	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	х			х					Track Type			x			
Line(a)	A-Line	•	Track		Track 2		Chain Ma	ker		From				То	
Line(s)	A-LIN6	e	Numbe	er	TTACK 2		and/or Sta	ation(s)	Bethesda (A0	9)		Van N	less (/	406)	
	Hea	d Car N	umber	١	Number c	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.11.08 07:22:55 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard		



	TRST unit 6030 conducted a job safety briefing at Bethesda Station platform. The	Number of Defects	0
	briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and personal	Recommended Finding?	No
Description	protective equipment (PPE) verification, type of protection, hazards, and hospital	Remedial Action Required?	No
Description	location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

nspection Activity #	2 li	nspection Sub	ject	Track Ir	spectio	n			Activity Co	ode	TR	K	WI	PI	
• •	TRST 62	205				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400			Yes	
Related Reports	N/A				Inspector? Conducted 1400 Shift Related CAPS / Findings N/A Other / Title Checklist Re SOP Standard Other / Title Checklist Re DCC RTA Facility FTA Office Track Type At-grade Tunnel Elevated DCC RTA Facility FTA Office Track Type At-grade Tunnel Elevated DCC Chain Marker and/or Station(s) From To To Def Cars Equipment N/A N/A Van Ness (A06) Def Cars Equipment N/A Station (s) To Def Cars Equipment N/A Station (s) To Def Cars Equipment N/A Station (s) Station (s) Station (s) Def Cars Equipment N/A Station (s) Station (s) Station (s) Station (s) Def Cars Equipment N/A Station (s) Station (s) Station (s) Def Cars Equipment N/A Station (s) Station (s) Station (s) Def Cars Equipment <td></td> <td></td>										
	Ref			Rule or S	SOP		Standard	I	Other / 1	ïtle		Check	list Refer	ist Reference	
Employee Name/Title Related Reports Related Rules, SOPs, Standards, or Other Inspection Location Line(s) Vehicles	TRST-10	000 rev. 6													
standards, or Other															
nspection Location	Main Track	Yard	Stati	ion (DCC			Track Type	At-grad	e Tu	nnel	Elev	ated	N/A	
	x		х					The rype			Х				
		Track				Chain Ma	rker		From				То		
line(s)	A Line	Numb	er	Track 2	2	and/or St	ation(s)	Bethesda (A0	9)		Van N	Ness (AC	6)		
	Head	Car Number	1	Number o	of Cars										
/ehicles		N/A		N/A	4	Equip	ment	N/A							
	An FWS	,	erform	,		pection of t	rack conditi	ons on track	Number of Defects				14		
				0		•								Yes	
	The Coll								-					Yes	
				erved; rig Fable 7-1 erved; le Fable 7-1 erved; le Fable 7-1 erved; le Fable 7-1 erved; le Fable 7-1	ght rail, : At A2 ft rail, 2 : At A2 ft rail, 2 : At A2 ght rail, 2 : At A2 ght rail, 2 : At A2 ft rail, 2 : At A2 ft rail, 2 : At A2	2500 to 80 210+00, 10 2500 to 800 361+00, 11 2500 to 800 356+40, 11 2500 to 800 353+00, 11 2500 to 800 349+80, 11 2500 to 800 348+90, 11	0 ft. radius c non-defecti ft. radius cu non-defecti ft. radius cu non-defecti 0 ft. radius c non-defecti ft. radius cu non-defecti ft. radius cu non-defecti ft. radius cu	urve. Yellow ve fasteners in rve. Yellow ve fasteners in rve. Green ve fasteners in rve. Green ve fasteners in rve. Green ve fasteners in ve fasteners in	Recomm	ended Re	einspec	tion?		Yes	



	 TRST 1000, 7.7, Table 7-1: At A2 327+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. TRST 1000, 7.7, Table 7-1: At A2 314+30, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. TRST 1000, 7.7, Table 7-1: At A2 313+40, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. TRST 1000, 7.7, Table 7-1: At A2 313+40, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. TRST 1000, 7.7, Table 7-1: At A2 312+00, 11 non-defective fasteners in 40 feet were observed; left rail, 2500 to 800 ft. radius curve. Green Condition. 	
Remedial Action	To achieve compliance with WMATA's requirements: WMATA must repair defective fasteners at A2 331+00. WMATA must repair defective fasteners at A2 280+00. WMATA must repair defective fasteners at A2 210+00. WMATA must repair defective fasteners at A2 361+00. WMATA must repair defective fasteners at A2 356+40. WMATA must repair defective fasteners at A2 353+00. WMATA must repair defective fasteners at A2 349+80. WMATA must repair defective fasteners at A2 349+80. WMATA must repair defective fasteners at A2 348+90. WMATA must repair defective fasteners at A2 348+90. WMATA must repair defective fasteners at A2 348+30. WMATA must repair defective fasteners at A2 347+00. WMATA must repair defective fasteners at A2 327+00. WMATA must repair defective fasteners at A2 314+30. WMATA must repair defective fasteners at A2 313+40. WMATA must repair defective fasteners at A2 312+00.	



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Increation Data	YYYY	MM	DD	Bonort Number	20171103-WI		C 1					
Inspection Date	2017	11	03	Report Number	20171105-001	VIATA-A	G-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency DepartmentTRSTSub- Department				TKIN				
	1	Name		Email	Office Phon	e	N	1obile Phone				
Rail Agency Department												
Contact Information												
Inspection Location	D-Line, Track	ne, Track 2, Deanwood (D10) to New Carrollton (D13)										

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ject	Job Safe	ety Brief	ing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	TRST 6111					Accompanied Yes Out Bri Inspector? Yes			Yes	Time	1000 1400		Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A									
	Ref	Ref Rule or SC			OP		Standard		Other / T	ïtle		Che	cklist Refei	rence	
Related Rules, SOPs, Standards, or Other	RWPM														
Standards, or other															
	Mai Trac		Yard	Stati	ion C	осс	RTA Facility	FTA Office	Tue di Tue e	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	х			х					Track Type	x				х	
Line(s)	D-Line	0	Track		Track 2		Chain Ma	rker	From			То			
Line(s)	D-LIN	e	Numbe	er	TIACK 2	·	and/or St	ation(s)	Deanwood (D	910)		New (Carrol	llton (D13)	
	Неа	d Car N	umber	1	Number c	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO DN: c= ÚS, 0=U	d by ADAM ANTHONY GIOVANDO .S. Government, ou=FRA FRAFtWorth TX, ou=DOT FRAFtWorthTX, cn=ADAM VANDO 08 07:26:14 -05'00'
Inspector in Charge – Name	Inspection Team	
Adam Giovando	Lee Emard	



	TRST unit 6111 conducted a job safety briefing at New Carrollton yard trailer. The	Number of Defects	0
	briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and personal	Recommended Finding?	No
Description	protective equipment (PPE) verification, type of protection, hazards, and hospital	Remedial Action Required?	No
Description	location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2 I	nspection Sub	oject	Track I	nspectio	on			Activity Co	ode	TR	K	WI	PI
Job Briefing Employee Name/Title	TRST 61	.11				ompanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	Yes
Related Reports	N/A				Rela	ted CAPS /	Findings	N/A		I				
	Ref			Rule or	SOP		Standard		Other / T	ïtle		Chec	klist Refe	rence
Related Rules, SOPs, Standards, or Other	TRST-10	000, rev. 6												
Standards, or other														
Inspection Location	Main Track	Yard	Stati	ion	осс	RTA Facility	FTA Office	Track Type	At-grade	e Tu	nnel	Ele	vated	N/A
Inspection Location	х		х	х				паск туре	x				х	
Line(s)	D-Line	Track		Track	2	Chain Marker			From				То	
Line(s)	D-Line	Numb	er	Track	Z	and/or St	ation(s)	Deanwood (D	910)		New	Carroll	ton (D13)	
Vehicles	Head	Car Number	1	Number	of Cars	- Faula		N1/A						
venicies		N/A		N/	A	Equip	ment	N/A						
			•	•		•		ions on the D-	Number	of Defect	s			0
	Line, tra	ack 2, betwee	n Dean	wood (E	010) and	l New Carro	ollton (D13).		Recomm	ended Fi	nding?			No
	The FW	SO Inspector	did no	t note a	ny defe	cts.			Remedia	l Action F	Require	ed?		No
Description	Other N	 Fasteners observed at D2 468+00 showed signs of degradation. See figure 2 below. Recommended Reinspection? No 												
Remedial Action	N/A													



Photos:



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



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





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



Federal Transit Administration

Inspection Form

Form FTA-IR-1

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20171103-WMATA-AG-2						
inspection Date	2017	11	03	Report Number	20171105-001	VIATA-A	-Z				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	SMNT	Sub- Dep					
		Name		Email Office Phone Mobile				1obile Phone			
Rail Agency Department		I									
Contact Information											
Inspection Location	Medical Cen	Nedical Center (A10) to Bethesda (A09) – Tracks 1 and 2									

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspect	tion Subj	ect	Medica	Center	(A10) – Jo	b Safety Brie	fing	Activity Co	ode	SM	IT	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA RWI	C			Accon Inspec	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	230 040	-	Outside Shift	Yes
Related Reports	N/A	N/A					Related CAPS / Findings N/A								
	Ref	Ref Rule or S			OP		Standard		Other / T	ītle		Che	cklist Refere	ence	
Related Rules, SOPs, Standards, or Other	RWP	N													
Standards, or Other															
	Mai Trac		Yard	Statio	on C	occ	RTA Facility	FTA Office		At-grade	e Tu	nnel	Ele	evated	N/A
Inspection Location	х								Track Type			х			
Line(a)	Alin	-	Track				Chain Ma	rker		From		То			
Line(s)	A-Line	e	Numbe	r	N/A	N/A and		ation(s)	Medical Cent	er (A10)		Medi	cal Ce	nter (A10)	
	Неа	d Car Nu	umber	N	lumber o	of Cars									
Vehicles		N/A			N/A	L.	Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWc cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:30:31 -05'00'	Date orthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo, Robert Maniuszko		



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

Inspection Activity #	2	Inspe	ction Sub	ject	Tunnel	Lightin	g Fixture Re	eplacement		Activity Co	ode	SIV	1T	WI	OBS
Job Briefing Employee Name/Title	WMA	TA RW	ΊC				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	2300- 0400		Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A				I					
	Ref				Rule or	SOP Standard				Other / T	ïtle		Che	cklist Refe	rence
Related Rules, SOPs, Standards, or Other	MSRP	РΗ													
otanuarus, or other															
Increation Location	Mai Trac		Yard	Stati	on	осс	RTA Facility	FTA Office	Treak Ture	At-grade	e Tu	nnel	Ele	evated	N/A
Inspection Location	x								Track Type			х			
Line(s)	A-Line	2	Track		Tracks	51	Chain Ma			From				То	
Line(0)	7. 2.11.	C	Numbe	er	and 2		and/or St	ation(s)	Medical Cent	er (A10)		Bethe	esda (A09)	
Vehicles	Hea	d Car N	lumber	1	Number	of Cars	Faula	mont	N/A						
venicies		N/A	\		N/.	A	Equip	ment	N/A						
			•				•	nel and elect		Number	of Defect	ts			0
					0			0	217 hours, as CC) until 0150	Recomm	ended Fi	nding?			No
Description			al of eight					i center (not		Remedia	Action I	Require	ed?		No
	The F	WSO Ir	nspector a	nd W	МАТА р	ersonn	el did not n	ote any defe	ects.	Recomm	ended Re	einspec	tion?		No
Remedial Action	N/A														



Agency/Department Information

Federal Transit Administration

			1						
Inspection Date	YYYY	MM	DD	Report Number	20171102 \				
inspection date	2017	11	03	Report Number	20171103-WMATA-AG-3				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	ELES				
	1	Name	Office Phon	e	Mobile Phone				
Rail Agency Department Contact Information									
Inspection Location		eights (A08), I a (F03) Statio		(A10), Pentagon (C07), I	Pentagon City (C08), L'	Enfant Plaza (D03), A	rchives (F02), and		
spection Summary									
Inspection Activity #	1		2	3	4	5	6		
Activity Code	VT-FI	-PI							
Inspection Units	1								

Activity CodeV1-F1-P1Image: CodeImage: Code

Activity Summaries

Inspection Activity #	1	Inspection Sub	ject	Metro S	Station E	Elevator Ce	rtificate Veri	ification	Activity Co	ode	V	г	FI	PI
Job Briefing Employee Name/Title	N/A				Accor Inspe	npanied ctor?	N/A	Out Brief Conducted	N/A	Time	N/	A	Outside Shift	N/A
Related Reports	N/A				Related CAPS / Findings N/A									
	Ref	Ref Rule or					Standard		Other / T	ïtle		Chec	klist Refe	rence
Related Rules, SOPs, Standards, or Other	MSRPH	4												
Standards, or other														
	Main Track	Yard	Stat	ion (DCC	RTA Facility	FTA Office	Tuesda Taura	At-grade Tun		nnel Ele		vated	N/A
Inspection Location			х	(Track Type						х
1		Track				Chain Ma	rker		From		То			
Line(s)	N/A	Numbe	er	N/A		and/or St	ation(s)	N/A	N/A					
	Head	l Car Number		Number o	of Cars									
Vehicles		N/A		N/A	١	Equip	ment	N/A						
		•	ector visited 6 stations to verify that elevator certificates were Number of Defects							13				
		iant with munic	• •						Recommended Finding?					Yes
Description		d, date.	Lation	KIUSK OF	n the el	n the elevator, and to have a valid, non-				Remedial Action Required?				Yes
									Recommended Reinspection?					Yes

Inspector in Charge - Signature	ADAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVAND DN: c=US, o=U.S. Government, ou=FRA FRAFtV cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:32:03 -05'00'	D Date vorthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



	The FWSO Inspector noted that the following elevators by asset number were		
	not in compliance:		
	Friendship Heights (A08):		
	A08S02 (Missing Certificate)		
	A08S04 (Missing Certificate)		
	A08S05 (Missing Certificate)		
	A08N02 (Missing Certificate)		
	Pentagon (C07):		
	• C07E04 (Expired – 05/15/2017)		
	C07E05 (Missing Certificate)		
	Pentagon City (C08):		
	C08X01 (Missing Certificate)		
	C08X02 (Missing Certificate)		
	C08X03 (Missing Certificate)		
	L'Enfant Plaza (D03):		
	D03W04 (Missing Certificate)		
	Archives (F02):		
	F02X01 (Missing Certificate)		
	F02X02 (Missing Certificate)		
	L'Enfant Plaza (F03):		
	F03N03 (Missing Certificate)		
	· · · · · · · · · · · · · · · · · · ·		
	To achieve compliance with WMATA's requirements:	1	
Remedial Action	 WMATA must ensure all elevators have a valid certificate. 		



Agency/Department Information

Federal Transit Administration

Increation Date	YYYY	MM	DD	Report Number	20171104 \		NJ 1			
Inspection Date	2017	11	04	Report Number	20171104-WMATA-JM-1					
Rail Agency Name	Washington Authority	Metropolita	n Area Transit	Rail Agency Department	RTRA Sub- Department					
	I	Name		Email	Office Phon	e	Mobile Phone			
Rail Agency Department										
Contact Information		_								
Inspection Location	A Line, Gallery Place (B01) to Medical Center (A10)									
nspection Summary										
Increation Activity #	1		r	2	4		E	6		

Inspection Activity # 1 2 3 4 5 6 **RTRA-RI-OBS Activity Code Inspection Units** 1 **Inspection Subunits** 1 **Defects (Number)** 3 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** Yes

Activity Summaries

Inspection Activity #	1 I	nspection Sul	oject	Operato	or Obser	vation			Activity Co	ode	RTF	RA	RI	OBS
Job Briefing Employee Name/Title	N/A					Accompanied No Inspector?		Out Brief Conducted	No	Time	110 143	-	Outside Shift	N/A
Related Reports	Safety I	Directive 15-1			Related CAPS / Findings CAPs R-2-18			CAPs R-2-18-/	A and R-2-19	9-A				
	Ref			Rule or S	OP		Standard		Other / T	ītle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH													
	1.12, 3.	87.1, 3.122												
	Main Track	Yard	Stat	ion C	DCC	RTA Facility	FTA Office	T	At-grade Tu		nnel	Elevated		N/A
Inspection Location	х		x					Track Type						х
Line(s)	A-Line	Track		Tracks	1	Chain Ma	rker		From				То	
Line(s)	A-LINE	Numb	er	and 2		and/or St	ation(s)	Gallery Place	(B01)		Medi	cal Cen	ter (A10)	
	Head	Car Number		Number o	of Cars									
Vehicles	7408,	7406, 7248, 7150		8,8,8	,8	Equip	ment	N/A						
		• •			• •	ng inspections beginning on the Red Line at				Number of Defects				3
Description						thmore (A11), and back to Gallery Place ne cab, and the other rode in the lead car.				Recommended Finding?				No
	(001). (211C 1 W 30 1115	Jector	ioue in ti			ier roue in ti		Remedial Action Required?					No

Inspector in Charge - Signature		JOHN PHILIP MAYSER	Dig Dig toned by JOHN PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA HRAVancouverWA, ou=DOT FRAVancouverWA, dn=JOHN PHILIP MAYSER Date: 2017.12.05 08:26:46 -08'00'
Inspector in Charge – Name John Mayser	Inspection Team John Mayser, Ken Sgroi		



 The train operator complied with observed rules. Lead Car 7248: FWSO Inspectors observed train with lead car 7248 from 1215 - 1231 hours, track 2, operating from Van Ness-UDC (A06) to Grosvenor-Strathmore (A11). The train operator properly sounded the horn and acknowledged track employees working on track 1 approaching Medical Center (A10) and maintained the appropriate speed. Lead Car 7150: FWSO Inspectors observed train with lead car 7150 from 1241 - 1322 hours, track 2 (opposite the normal direction), which operated from Grosvenor-Strathmore (A11) and crossed over to track 1 at Medical Center (A10) to Gallery Place (B01). The following non-color-coded defects were observed: MSRPH, 1.12: Operator of train with lead car 7248 did not have his copy of the MSRPH, Permanent Orders and Temporary Orders in his possession, and was not aware that they were required to be in his possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.87.1: Operator of train with lead car 7150 did not sound the horn emerging from the tunnel on track 2 (opposite normal direction) arriving into Grosvenor-Strathmore (A11) station. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 7150 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Grosvenor-Strathmore (A11) station on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	Recommended Reinspection?	Yes
Lead Car 7248: FWSO Inspectors observed train with lead car 7248 from 1215 -		



Form FTA-IR-1

Federal Transit Administration

Agency/De	partment	Information
, .geney, be	parentente	monnation

Inspection Date	YYYY	MM	DD	Report Number	20171105-WMATA-KS-1				
•	2017	11	05						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	TKIN			
	1	Name		Email	Office Phone	5	N	1obile Phone	
Rail Agency Department Contact Information									
Inspection Location	Pentagon (C	07)							
Inspection Summary									

Inspection Activity # 1 2 3 4 5 6 **Activity Code** TRK-JSB-OBS **Inspection Units** 1 **Inspection Subunits** 1 Defects (Number) 0 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** N0

Activity Summaries

Inspection Activity #	1	Inspec	tion Sub	ject	Job Safe	ety Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	6073				Accor Inspe	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	090 133	-	Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A				N/A					
	Ref				Rule or S	OP		Standard		Other / T	ītle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	N													
Standards, or Other															
In our other to option	Maiı Trac		Yard	Stati	Station C		RTA Facility	FTA Office	Treads Tores	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	х								Track Type					х	
Ling(a)	C-Line		Track				Chain Ma	rker	From			То			
Line(s)	C-LINE	=	Numbe	er	N/A		and/or Sta	ation(s)	Pentagon (CO	7)		Penta	ntagon (C07)		
	Head Car Numb		umber	1	Number o	of Cars									
Vehicles		N/A			N/A	1	Equipment		N/A						

Inspector in Charge - Signature	Digitally signed by KENNETH H SGROI DN: c=US, o=US, oo=US, Government, ou=PRA FRAAtlantaGA, ou=DOT DAt: 2017.11.16 08:47:59-05100' Date: 2017.11.16 08:47:59-05100'	Date
Inspector in Charge – Name	Inspection Team	
Ken Sgroi	Ken Sgroi	



	FWSO Inspectors received a job safety briefing from the roadway worker in	Number of Defects	0
	charge (RWIC) at the Pentagon (C07) station platform prior to entering the roadway. The briefing covered the type of track protection (i.e., Inaccessible	Recommended Finding?	No
	Track) and Red Tag shut down protection (#2017308501A), working limits, where	Remedial Action Required?	No
Description	to clear, known hazards and hotspots, the safety rule of the day, nearest hospital location, check of personal protective equipment (PPE), and roadway worker protection (RWP) ID. The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

In an article Data	YYYY	MM	DD	Danaut Number	20171100 14/		C 1	
Inspection Date	2017	11	06	Report Number	20171106-WI	VIATA-A	G-1	
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	artment	TKIN	
	1	Name		Email	Office Phon	e	Ν	Iobile Phone
Rail Agency Department Contact Information								
Inspection Location	K-Line, Track	Two, Vienna	(K08) to West F	alls Church (K06)				

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspect	tion Sub	ject	Job Safe	ety Brie	fing			Activity Co	ode	TRI	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	531					mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	No
Related Reports	N/A					Relat	Related CAPS / Findings N/A								
	Ref				Rule or S	OP		Standard		Other / T	Title		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	1													
	Mair Tracl		Yard	Stati	on C	осс	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	x			х					Track Type	x					
1(.)			Track				Chain Ma	rker		From				То	
Line(s)	K-Line		Numbe	er	N/A		and/or St	ation(s)	Vienna (K08)			Vienn	ia (KO	8)	
	Head	d Car Nu	umber	1	Number o	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						
Description										Number	of Defect	s			0

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:32:39 -05'00'	Date rthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa		



						•		nna (K08) st		Recomm	ended Fi	nding?			No
		. ,					'	orker protect t spots, ID an	· /	Remedia	l Action F	Require	d?		No
	locatio	brotective equipment (PPE) verification, type of protection, hazards, and hospital ocation. Recommended Reinspection? Fhe FWSO Inspector did not note any defects.											No		
Remedial Action	N/A														
Inspection Activity #	2 Inspection Subject Track Walker Observation Ad							Activity Co	ode	TR	к	WI	OBS		
Job Briefing Employee Name/Title	TRST 6	Accompanied Inspector?				Yes	Out Brief Conducted	Yes	Time	1000 1400	-	Outside Shift	No		
Related Reports	N/A				Rela	ted C/	APS / I	Findings	N/A						
Related Rules, SOPs,	Ref			Rule	or SOP			Standard		Other / T	ïtle		Checkl	ist Refer	rence
Standards, or Other	TRST-1	000, rev. 6													
	Main Track	Yard	Sta	ition	OCC		TA cility	FTA Office	Tao ah Tao a	At-grade	e Tui	nnel	Eleva	ted	N/A
Inspection Location	x								Track Type	x			х		
Line(s)	K-Line	Trac	:k	Tra	ck 2	Chai	in Ma	rker		From				То	
Line(3)	K-LIIIC	Nur	nber	110		and	l/or Sta	ation(s)	Vienna (K08)			West	Falls Ch	urch (KO	6)
Vehicles	Head	Car Numbe	-	Numb	er of Cars		Equip	ment	N/A						
		N/A			N/A										
							•	ming a track alls Church (k	(06). The	Number of Defects					0
					• •			diligent in hi	,	Recomm					No
	The FV	VSO Inspect	or did n	ot note	e any defe	ects.				Remedia	I Action F	Require	d?		No
Description	Other •	"No Cle must be get to tl	ge over arance" taken o ne place	r Interst area of on the of of safe	n the field center, m	d side o etal-gr nnel m	of both rated, o nust st	n tracks. Posi catwalk with ep over the t	533+00 had a itions of safety hand rails. To third rail onto	Recomm	ended Re	einspect	tion?		No
Remedial Action	N/A														



Agency/Department Information

Federal Transit Administration

Increation Data	YYYY	MM	DD	Bonort Number	20171107-WM		C 1			
Inspection Date	2017	11	07	Report Number	201/110/-001	VIATA-A	9-1			
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	IRSI Sup-Department IKIN					
	1	Name		Email	Office Phone	e	N	1obile Phone		
Rail Agency Department Contact Information										
Inspection Location	D-Line, Track 1, New Carrollton (D13) to Deanwood (D10)									

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ction Subj	ject	Job Safe	ety Brie	fing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST	6111				Accor Inspe	mpanied ctor?	Yes	s Out Brief Conducted Yes Time		Time	1000 1400		Outside Shift	Yes
Related Reports	N/A			1			Related CAPS / Findings N/A								
	Ref				Rule or S	OP		Standard		Other / T	Title		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	М													
Standards, or other															
	Mai Trac		Yard	Stati	ion C	осс	RTA Facility	FTA Office		At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	х			х					Track Type					х	
Line(s)	D-Lin	•	Track		Track 1		Chain Ma	rker	From			То			
Line(s)	D-LIN	e	Numbe	er	Track 1		and/or St	ation(s)	New Carrollto	on (D13)		Dean	wood	(D10)	
	Неа	nd Car N	lumber	1	Number o	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDC DN: c=US, o=U.S. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.11.08 07:30:10 -05'00'	Date orthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Lee Emard		



	TRST unit 6111 conducted a job safety briefing at New Carrollton yard trailer. The	Number of Defects	0
	briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and personal	Recommended Finding?	No
Description	protective equipment (PPE) verification, type of protection, hazards, and hospital	Remedial Action Required?	No
Description	location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Insp	ection Sub	ject	Track O Verific		tion and Re	medial Actio	n	Activity Co	ode	TR	К	WI	PI
Job Briefing Employee Name/Title	TRST	RST 6111				Yes			Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	Yes
Related Reports	2016	0825-	WMATA-RI	PM-1		Rela	ted CAPS / I	Findings	Remedial Act	ion ID#: 941					
	Ref				Rule or	SOP		Standard		Other / T	ītle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST	-1000,	, rev. 6										ID N	umbers	
Inspection Location	Ma Tra		Yard	Sta	tion	осс	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Ele	evated	N/A
	x)	x				Hack Type	x			х		
Line(s)	D-Lin	0	Track		Track	1	Chain Ma	rker		From				То	
Line(s)	D-LIII	le	Numbe	er	Hack	1	and/or St	ation(s)	New Carrollto	on (D13)		Dean	wood	(D10)	
Vehicles	Hea	ad Car	Number		Number	of Cars	Equip	mont	N/A						
venicies		N/	/Α		N/.	4	Equip	ment	N/A						
						0		tion, remedia		Number	of Defec	ts			0
		verification, and general inspecti- between New Carrollton (D13) and								Recommended Finding?					No
				•	,		. ,	,	wood (D10) to	Remedia	Action	Require	ed?		No
— • • •	Land	over (I	D12).												
Description	The F	wso	Inspector	did no	ot note a	ny defe	cts.								
										Recomm	ended R	einspec	tion?		No
	The f		•				as complet	e: eners were r	enlaced						
		•	Reffieulal /	-cuo	11 941. Al	DT 348	TUU, ali idSli	eners were r	epiaceu.						
Remedial Action	N/A														



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171108-WMATA-AG-1					
inspection Date	2017	11	08	Report Number						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency TRPM Sub- Department						
	1	Name		Email	Office Phone	ē	Mobile Phone			
Rail Agency Department Contact Information										
Inspection Location	Greenbelt (E	Greenbelt (E10), Alternating Current (AC) Switchboard (SWBD) Room								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	ction Subj	ect	Greenbe	elt (E10)	– Job Safe	ety Briefing		Activity Co	ode	TF	C	JSB	OBS
Job Briefing Employee Name/Title	WMA	MATA Power Personnel				Accom Inspec	panied tor?	Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A					Relate	d CAPS / I	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ītle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWP	N													
Standards, or other															
	Mai Trac		Yard	Stati	ion C	осс	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location				х					Track Type						х
Line(a)	E-Line		Track		NI/A	(Chain Ma	rker		From				То	
Line(s)	E-LIN6	-	Numbe	r	N/A	i	and/or St	ation(s)	Greenbelt (E1	LO)		Gree	nbelt	(E10)	
	Hea	d Car N	lumber	1	Number o	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDC DN: c=US, o=US. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDC Date: 2017.11.14 07:33:21 -05'00'	Date prthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



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

Inspection Activity #	2 In	spection Sub	ject	Preven	tive Ma	intenance (Observation		Activity Co	de	Т	Р	RM	OBS
Job Briefing Employee Name/Title	WMATA	Power Perso	nnel		Accor Inspe	mpanied ector?	Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A				Relat	ed CAPS /	Findings	N/A						
	Ref			Rule or S	SOP		Standard		Other / T	itle		Check	dist Refer	ence
Related Rules, SOPs, Standards, or Other	INFORM, TECHNOI EQUIPMI GOULD 4 CIRCUIT TYPES K- K-2000, A 600S THF 720/1090 INSPECTI 2, JUNE 2	VANCE TIONS (PMI) ATION LOGY ENT (ITE)- I80 VAC POW BREAKERS, 225 THROUG AND TYPES K- ROUGH K-200 D, DAY ON, (REVISIC 20, 2013) OMATIC BUS /OLT AC	6H - DOS DN											
	-	ONAL TEST VUAL (REVISI 20, 2013) Yard	ON Stati	on (DCC	RTA Facility	FTA Office		At-grade	e Tu	nnel	Elev	rated	N/A
Inspection Location	THUCK		х			rucinty		Track Type						х
Lino(c)	E-Line	Track		N/A		Chain Ma	rker		From				То	
Line(s)	E-LINE	Numb	er	N/A		and/or St	ation(s)	Greenbelt (E1	l0) – AC SWI	3D RM	Gree	nbelt (E	nbelt (E10) – AC SWBD RN	
Vehicles		ar Number N/A	1	Number (N/A		Equip	ment	480 VAC ABB	(Manufactu	rer), Typ	e MB16	6 Circuit	Breaker	
		O Inspector o							Number	of Defect	ts			0
		ance on each ell as the bus-			'			boards #1 and	Recomm	ended Fi	nding?			No
Description	with the GOULD 4 TYPES K- 20, 2013 Addition out the 2	published Pr 80 VAC POW 600S THROU). ally, an autor 7-Under volt T AC SWITCH	eventiv /ER CIF GH K-2 matic b tage re	ve Maint RCUIT BR 2000S 720 bus-tie te lay per tl	enance EAKERS <u></u> D/1090, st was c ne PMI (Instruction , TYPES K-2 DAY INSPE done using (i.e., PMI F0	is (PMI) (i.e., 25 THROUGH CTION, REVI the test swit DR AUTOMA	PMI FOR ITE- H K-2000, AND SION 2, JUNE ches to drop						
	The FWS	O Inspector	did no	t note ar	y defec	ts.								
Remedial Action	N/A													



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171108-WMATA-AG-2				
inspection Date	2017	11	08	Report Number					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Department			
		Name		Email	Office Phone	5	N	1obile Phone	
Rail Agency Department Contact Information									
Inspection Location	C-Line, Track 2, Pentagon (C07) to Arlington Cemetery (C06)								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Su	bject	Job Safety Briefing					Activity Co	ctivity Code T		þ	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA RWIC				Accompanied Yes Out Brief Conducted			Yes	Time	100 140		Outside Shift	No
Related Reports	N/A				Relate	ed CAPS / I	indings	N/A						
	Ref			Rule or S	SOP		Standard		Other / T	Title		Checklist Reference		
Related Rules, SOPs, Standards, or Other	RWP	М		R-17-02										
standards, or other	MSRF	РΗ		R-17-03										
	Mai Trac	Yard	Stat	tion (CC	RTA Facility	FTA Office		At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location	х							Track Type	x		Х		х	
Lino(c)	C-Lin	Track		Track		Chain Ma	rker		From		То			
Line(s)	C-LIN	e Numl	ber	Track 2 and/or Station(s)				Pentagon (CO	7)		Penta	agon (C07)	
	Hea	d Car Number		Number of Cars										
Vehicles		N/A		N/#	Ą	Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVAND DN: c=US, o=U.S. Government, ou=FRA FRAFtV cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:34:07 -05'00'	0 Date VorthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



	FWSO personnel received a job safety briefing from the WMATA roadway worker in charge (RWIC). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked, and the working limits reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion. In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17- 03, ADVANCED MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle.	Number of Defects Recommended Finding? Remedial Action Required?	0 No No
Description	required equipment, and was compliant with "WMATA PERMANENT ORDER R-17- 03, ADVANCED MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag	Recommended Reinspection?	No
Remedial Action	N/A		·

Inspection Activity #	2 I	nspection Su	bject	Cable I	nspecti	on Obse	rvatio	on		Activity Co	ode	Т	Р	WI	OBS
Job Briefing Employee Name/Title	WMAT	A RWIC				ompanie ector?	d	Yes	Out Brief Conducted	Yes	Vec Time		00- 00	Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A			N/A		P					
	Ref			Rule or	SOP	SOP Standard			Other / Title			Checklist Reference			
	TRST 10	000													
	DD-TP-	SSI-013													
Related Rules, SOPs, Standards, or Other	INSTRU FOR JUI EXPANS TRANSI CABLES SYSTEM	CATION CTIONS (EMI)	NT ION												
	Main Track	Yard	Stat	ion	осс	RTA Facilit		FTA Office		At-grade	e Tu	nnel	Ele	vated	N/A
Inspection Location	х								Track Type	х		Х		х	
1:	C-Line	Track		Track	2	Chain	Mark	er		From				То	
Line(s)	C-Line	Numl	ber	Ггаск	2	and/o	r Stat	tion(s)	Pentagon (CO	7)		Arlin	gton C	emetery (C06)
Vahialaa	Head	Car Number		Number	of Cars				NI (A						
Vehicles		N/A		N//	4	Eq	uipm	ent	N/A						
		O Inspector o								Number	of Defect	ts			2
Description (C06).				C-Line fr	om Per	ntagon (C	C07) t	o Arlingtor	n Cemetery	Recomm	ended Fi	nding?			Yes
Description	(00).	(00).								Remedial Action Required			ed?		Yes
							Recommended Reinspection?				Yes				

	 The following non-color-coded defects were observed: TRST 1000 Manual, 13.3.4: Third rail anchor arm broken at C2 202+00. DD-TP-SSI-013: Sealing collar missing on four orange boot cable connector assemblies at C2 253+00. 		
	 Other Notable Observations: Third rail end approach arcing at C1 219+00. (See Figure 1, below.) Leaves surrounding cables and power conduit stub-ups at C2 258+00. Leaves surrounding cables and power conduit stub-ups at C2 257+00. Trash and leaves surrounding cables at C2 256+00. Trash and debris surrounding cables at C2 253+00. Trash and debris surrounding cables and cables lying on the ground at C2 239+00. Cover board lying on expansion cables at C2 236+00. Cables lying on the ground and one broken cable clamp/Kindorf strap at C2 197+00. 		
Remedial Action	 To achieve compliance with WMATA's requirements: WMATA must replace third rail anchor arm at C2 202+00. WMATA must install sealing collar on four orange boot cable connector and the connector of the c	assemblies at C2 253+00.	

Photos



Figure 1: Third rail end approach arcing at C1 219+00.



Agency/Department Information

Federal Transit Administration

0 // 1									
Inspection Date	YYYY	MM	DD	Report Number	20171109 \\/\				
inspection Date	2017	11	08	Report Number	20171108-WMATA-AG-3				
Rail Agency Name	Washington Authority	Metropolita	n Area Transit	Rail Agency Department	CMNT	Sub- Department			
		Name		Email	Office Phone	e l	Mobile Phone		
Rail Agency Department									
Contact Information									
Inspection Location	New Carrollt	on Rail Serv	ice and Inspection	Facility (D99)					
Inspection Summary									
Inspection Activity #	1		2	3	4	5	6		

Activity Summaries

Inspection Activity #	1	Inspection Sub	ject	Shop Ob	servatio	ons			Activity Co	de	VN	N	SI	OBS
Job Briefing Employee Name/Title	N/A				Accom Inspec	ipanied tor?	No	Out Brief Conducted	Yes	Time 073			Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A			N/A				·		
	Ref			Rule or S	OP Standard				Other / T	ïtle		Cheo	cklist Refer	ence
Related Rules, SOPs, Standards, or Other						Maintenance Procedure Task 25, Ultrasonic Leak Detection 8/25/17, Rev 0								
							Engineerin (EMI) 1602 Wiring Mo							
	Mai Trac	Yard	Stati	on C	occ	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location						Х		Track Type						Х
line(a)	NI / A	Track		NI / A		Chain Mai	ker		From			То		
Line(s)	N/A	Numb	er	N/A		and/or Sta	ation(s)	N/A			N/A			
	Hea	d Car Number	1	Number o	of Cars	rs								
Vehicles		5024-5025 5148-5149		4		Equip	pment N/A							

sajjisisiit ana sjjestivel			
Inspector in Charge - Signature		Digitally signed by ADAM ANTHONY GIOVANDO	Date
Λ I	DAM ANTHONY GIOVANDO	DN: c=US, o=U.S. Government, ou=FRA FRAFtWo	
AI		cn=ADAM ANTHONY GIOVANDO	
		Date: 2017.11.14 07:39:21 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Bill Hultsch		
Addin Glovando	Bin narisen		



	An FWSO Inspector observed periodic inspections on rail cars 5024-5025 – a B-type	Number of Defects	0
	inspection; and on rail cars 5148-5149 – an A1-type inspection.	Recommended Finding?	No
	The FWSO Inspector did not note any defects.	Remedial Action Required?	No
Description	 The FWSO Inspector did not note any defects. Other Notable Observations: The following observations were conducted: The FWSO Inspector noted that WMATA added a new task to its periodic inspection requirements (i.e. Task 25, Ultrasonic Leak Detection). This procedure was added to <i>all</i> of Metro's car series and inspection types. The FWSO Inspector observed the new procedure being conducted. The mechanic performing the task used Task 25, Ultrasonic Leak Detection procedure dated 8/25/2017, Rev 0. The procedure required the use of a Spectronics Marksman II ultrasonic diagnostic monitoring tool. The tool had a current calibration sticker. The intent of this procedure was to locate air leaks in the pneumatic air system to reduce the number of "Brakes in Emergency" (BIE) events caused by pneumatic system failures. The FWSO Inspector observed a mechanic performing Task 40.13.9 for an Automatic Train Control (ATC) software vital relay check. Relay calibration dates were checked and entered on the Task 40 form, version 1.6, dated 1/2/2016. The FWSO Inspector observed a mechanic performing EMI 160296 KL Panel Wiring Modification. This modification removes the door control power from the KL panel to prevent inadvertent door operation when the environmental switch is not properly set to the "off" position. 	Remedial Action Required?	No
	The FWSO inspector did not note any defects.		
Remedial Action	N/A		1

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Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171109-WMATA-AG-1							
inspection Date	2017	11	09	Report Number	20171103-10101417-20-1							
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment					
	1	Name		Email	Office Phone		Mobile Phone					
Rail Agency Department Contact Information												
Inspection Location	Archives (F02	rchives (F02), Traction Power Substation (TPSS)										

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ction Subj	ect	Archives	s (F02) —	Job Safet	/ Briefing		Activity Co	ode	TF)	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA Pov	ver Persor	nel		Accom Inspect	panied tor?	Yes	Out Brief Conducted	Yes	Time	100 140	-	Outside Shift	No
Related Reports	N/A					Related CAPS / Findings N/A			N/A						
	Ref				Rule or S	OP		Standard		Other / T	ītle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	Л													
Standards, or other															
In an action I anotion	Maiı Trac		Yard	Stati	on C			FTA Office	Treads Treas	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location				х					Track Type						х
Line(a)	F Line		Track		NI/A	(Chain Ma	rker		From				То	
Line(s)	F-Line	2	Numbe	r	N/A	a	and/or Sta	ation(s)	Archives (F02)		Archi	ves (F	02)	
	Hea	d Car N	lumber	1	Number o	f Cars									
Vehicles		N/A	l l		N/A		Equipment N/A								

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 07:59:58 -05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



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

Inspection Activity #	2 In:	spection Sub	ject	Archive	es (F02) -	– Preventiv	e Maintena	nce	Activity Co	ode	TF	р	RM	OBS
Job Briefing Employee Name/Title	WMATA	Power Perso	nnel		Accor Inspe	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	100 140	-	Dutside Shift	No
Related Reports	N/A				Relate	ed CAPS /	Findings	N/A		I				
	Ref			Rule or S	SOP Standard			Other / T	Checklist Reference					
Related Rules, SOPs, Standards, or Other	13.8 kV A WESTING DHP AIR BREAKER SWITCHG 720/1090	IANCE TIONS (PMI) C HOUSE TYPE MAGNETIC AND SEAR – D DAY ON (REVISIO												
Increation Location	Main Track	Yard	Stati	on (220	RTA Facility	FTA Office	Treek Ture	At-grad	e Tu	nnel	Eleva	ited	N/A
Inspection Location			Х					Track Type						х
Line(a)	E Line	Track		NI / A		Chain Ma	rker		From			То		
Line(s)	F-Line	Numb	er	N/A		and/or St	ation(s)	Archives (F02	02) – TPSS Archives (F) – TPSS	
	Head C	ar Number	1	Number	of Cars				(n. c	. –				
Vehicles	1	N/A		N/A	4	Equip	ment	480 VAC ABB	(Ivianufactu	irer), Typ	e MB10	Circuit	Breaker	
		O Inspector o							Number	of Defec	ts			0
				• •				transformer ublished	Recomm	ended Fi	nding?			No
#1 breakers. Maintenance w Preventive Maintenance Ins									Remedia	Action	Require	ed?		No
Description TYPE DHP AIR MAGNETIC BREAKER AND SWITCHGEA INSPECTION, REVISION 2, JUNE 21, 2013). The FWSO Inspector did not note any defects.													No	
Remedial Action	N/A													



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171109-WN	1 A T A A	C 2						
inspection Date	2017	11	09	Report Number	20171109-000	/ATA-A	G-2						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	artment	τκιν					
	1	Name		Email	Office Phone	9	N	1obile Phone					
Rail Agency Department Contact Information		 											
Inspection Location	N-Line, Track	I-Line, Track 1, K&N Junction (K98) to Spring Hill (N04)											

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Su	ıbject	Job Saf	ety Brie	fing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	034				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1530		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A			N/A						
	Ref			Rule or S	SOP Standard			Other / T		Che	cklist Refer	ence		
Related Rules, SOPs, Standards, or Other	RWPN	I												
	Main Track	Yard	Stat	ion (CC	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	inel Elevat		N/A
Inspection Location			>	(Track Type	x					
		Trac	k			Chain Ma	rker		From				То	
Line(s)	N-Line	Num	ber	N/A		and/or St	ation(s)	McLean (N01)		McLean (N01)			
	Head	l Car Number		Number	of Cars									
Vehicles		N/A		N/#	4	Equip	ment	N/A						
Description									Number	of Defect	S			0

Inspector in Charge - Signature	ADAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.14 08:03:16 -05'00'	Date rthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa		



	TRST	unit 6	6034 condu	cted	a job safe	ty brief	ing at the N	/IcLean (N01)	station. The	Recomm	nended Fi	inding?			No
		•		•				orker protec t spots, ID ar	. ,		al Action	_			No
	prote locati	ctive ion.		(PPE) verificat	ion, typ	be of protec		s, and hospital	Recomm	nended R	einspeo	tion?		No
Remedial Action	N/A														
Inspection Activity #	2	Insp	pection Sub	ject	Walkin	g Track	Observatio	n		Activity C	ode	TR	RK	TWO	OB
Job Briefing Employee Name/Title	TRST	6034					ompanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1530		Dutside Shift	No
Related Reports	Safet	y Dire	ective 15-1			Rela	ted CAPS /	Findings	CAPs: R-2-18-	-A, R-2-19-A					
	Ref				Rule or S	SOP		Standard	1	Other / 1	Гitle		Check	ist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST-	-1000), rev. 6		T-16-07										
	Mai Trac		Yard	Stat	tion	OCC	RTA Facility	FTA Office	Treek Ture	At-grad	grade Tunnel Eleva				N/A
Inspection Location	x								Track Type	x		х	x		
Line(s)	N-Lin	е	Track Numbe	er	Track	1	Chain Ma and/or St		K&N Junction	From To (K98) Spring Hill (N04)					
Vehicles	Hea	id Car	r Number		Number	of Cars	Faula		NI/A						
venicies		N,	/A		N//	4	Equip	oment	N/A						
							-	personnel pe	-	Number	of Defec	ts			2
							. ,.	196+00, and S be diligent wi	pring Hill ith his duties.	Recomm	nended Fi	inding?			No
		ollow •	measuring identified.	, Tab l 126 i Base inspe	le 7-1: At inches bei d on the c	N1 510 ween r riteria	+50, four co non-defecti specified in	onsecutive lo ve fasteners the TRST 100 ance defect.	00 manual,	Remedia	al Action	Require	2d?		No
Description	Other	•	trailing car approachir required 1 this defect 2-19-A. able Observ On the N-L	t 11:1 num ng the 0 mpl is ad vatio ine th	.9 a.m., ch ber 7380, e work gro h while pa dressed ir ns: nroughour	nain ma did no oup. It a assing t n WMA	rker: N1 61 t sound its also did not he work gro TA's approa	main line hor appear to slo oup. Remedia	ow to the al action for 2-18-A and R- cation	Recommended Reinspection? No					
Remedial Action		hieve •	Several are	eas ha	ave been i	dentifi s requ	ed and corr	ected.							



Agency/Department Information

Federal Transit Administration

Increation Data	YYYY	MM	DD	Poport Number	20171109-WN	1ATA A	C 2						
Inspection Date	2017	11	09	Report Number	20171109-001	/IATA-A	G-2						
Rail Agency Name	Washington Authority	Metropolitan /	Area Transit	Rail Agency Department	CMNT	Sub- Dep	artment						
	l	Name		Email	Office Phone	e	Mobile Phone						
Rail Agency Department													
Contact Information		-											
Inspection Location	New Carrollton Rail Service and Inspection Facility (D99)												
Inspection Summary													

Inspection Activity # 6 2 3 4 5 1 **Activity Code** VM-SI-OBS **Inspection Units** 1 **Inspection Subunits** 1 Defects (Number) 0 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** No

Activity Summaries

Inspection Activity #	1	Inspect	tion Subj	ect	Shop C	bservat	ions			Activity Co	de	VIV	1	SI	OBS
Job Briefing Employee Name/Title	N/A						mpanied ector?	No	Out Brief Conducted	Yes	Time	0700 0930	-	Outside Shift	No
Related Reports	N/A					Related CAPS / Findings N/A			N/A						
	Ref				Rule or :	SOP		Standard		Other / Title			Check	ist Refer	ence
Related Rules, SOPs, Standards, or Other	MSR	PH													
Standards, or Other															
	Ma Trac		Yard	Stati	on	осс	RTA Facility	FTA Office		At-grade	e Tui	nnel	Eleva	ited	N/A
Inspection Location							х		Track Type						х
	N 1/A		Track				Chain Mai	ker		From				То	
Line(s)	N/A		Numbe	er	N/A		and/or Sta	ation(s)	N/A			N/A			
	Hea	ad Car Nu	umber	١	Number	of Cars									
Vehicles		N/A			N/.	4	Equip	nent	N/A						
Description		•	•			•		0	Testing Facility	Number	of Defect	s			0
Description	- Buil	ding B, as	s well as	the ma	ain rail v	ehicle re	epair buildir	g.		Recomm	ended Fir	nding?			No

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.11.17 08:37:22 -05'00'	Date TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name Adam Giovando	Inspection Team Bill Hultsch		



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



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171110-WN	<i>.</i>	C 1					
Inspection Date	2017	11	10	Report Number	20171110-000	VIATA-A	-1 -1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	ΤΚΙΝ					
		Name		Email	Office Phone	е	Mobile Phone					
Rail Agency Department Contact Information												
Inspection Location	D-Line, Track	D-Line, Tracks 1 and 2, New Carrollton (D13) to Landover (D12)										

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Sub	ject	Platfor	m Track I	nspection			Activity Co	ode	TR	K	WI	OBS	
Job Briefing Employee Name/Title	N/A					Accom Inspec	panied tor?	N/A	Out Brief Conducted	N/A	Time	080 100	-	Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings N/A			N/A							
	Ref				Rule or	SOP Standard				Other / 1	ītle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	MSRF	РΗ														
Standards, or other	TRST	1000														
luce estimate estimate	Mai Trac		Yard	Stati	on	occ	RTA Facility	FTA Office	Treads Tores	At-grad	e Tui	nnel	Ele	evated	N/A	
Inspection Location				х					Track Type	x						
Line(s)	D-Lin	0	Track		Tracks	1	Chain Ma	rker		From				То		
Line(s)	D'LIII	C	Numbe	er	and 2		and/or St	ation(s)	New Carrollto	on (D13)		Lando	dover (D12)			
	Hea	d Car Nu	umber	1	Number	of Cars										
Vehicles		N/A			N//	Ą	Equip	ment	N/A							

ADAM ANTHONY GIOVANDO		Digitally signed by ADAM ANTHONY GIOVANDC DN: c=US, o=U.S. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.17 09:00:18 -05'00'	Date orthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard		



	An FWSO team member performed a platform observation of the track bed,	Number of Defects	0
	cover board, Emergency Trip Station (ETS) and train approach lights, drainage, and general conditions.	Recommended Finding?	No
		Remedial Action Required?	No
Description	 The FWSO Inspector did not note any defects. Other Notable Observations: Tracks 1 and 2, at New Carrollton (D13): No train approach warning lights on the platform were working. Track 2, at New Carrollton (D13): At D2 598+50, the ballast was up to the base of the third rail. See Figure 1 below. Track 1, at Landover (D12): Twenty-six train approach warning lights on the platform were not working. Track 2, at Landover (D12): Fifty-six train approach warning lights on the platform were not working. 	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Insp	pection Subj	ect	Advano Observ		bile Flagger	(AMF) Rules	Compliance	Activity Co	ode	TR	к	RC	OBS
Job Briefing Employee Name/Title	N/A			·			ompanied ector?	No	Out Brief Conducted	No	Time	100 140	-	Outside Shift	No
Related Reports			ective 15-1 -WMATA-WI	P-1	Related CAPS / Findings CAP R-2-18-A a Remedial Action										
	Ref				Rule or SOP Standard			1	Other / 1	ïtle		Chec	klist Refe	rence	
Related Rules, SOPs, Standards, or Other	RWP	Μ			R-17-03										
Inspection Location	Mai Trac		Yard	Stati	on	CC	RTA Facility	FTA Office	Track Tupo	At-grad	e Tu	nnel	Ele	vated	N/A
				Х					Track Type	х					
Line(s)	D- an Lines		Track Numbe	r	Track	2	Chain Ma		Landauan (D1	From		Dene	in a Day	To	
			r Number	1	lumber	of Cars				12)		Benn	ing Ro	ad (G01)	
Vehicles		N/A N/A Equipment N/A													
			Inspectors of				Permanent	Number	of Defect	ts			2		
	Orde	r R-1,	7-03 (Advand	obile Fla	gger).		Recomm	ended Fi	nding?			Yes			
		•	t 6042) at La	• •		Remedia	Action I	Require	ed?		Yes				
	noted perso orang verifi with	d com onal p ge flag ed th the R	npliance with protective eq g — and was hat the AMF	n the r Juipme S posit Was Le NF con	equirem ent (PPE ioned at evel-4 qu nmunica	ients of) – inclu the 8- ialified, ited wit	f R-17-03. Th uding the fla car marker. and had es th each open	ne AMF had Ishing amber The FWSO Ir tablished co rator, as req	lantern and hspector mmunication uired by R-17-						
Description	The F track requi lante stanc had e check He ac inspe called The F	WSO 2 not red p rn an lby. T establ king t dvisec ection d the WSO	ted noncom personal prot d orange fla he FWSO Ins lished comm he AMFs equ d the AMF (U o crew was o RWIC (Unit 6 Inspector o	bservi pliance tective g – bu specto unicat uipme Jnit 60 n the t 5336) bserve	ng the A e with th e equipm t was no or verifie tion with nt, the V 014) that track. Th as well a ed the A	MF (Ur ne requirent (Pl ot positi d that the the RN VMATA the need e AMF as the R MF (Un	nit 6014) at l irements of PE) – includi ioned at the the AMF wa NIC. When the supervisor eded to be s got in positi ail Operatio it 6014) per	R-17-03. Th ng the flashi 8-car marke s Level-4 qua the FWSO In had arrived et up and th ion at the 8- ons Control C forming his	er; he was on alified, and spector was at the station.		ended Re	einspec	tion?		Yes



Federal Transit Ac		
	 The WMATA supervisor met the inspector at Benning Road (G01) and spoke to the other AMF and RWIC to find out where the miscommunication took place. AMF (Unit 6145) at Benning Road (G01) on track 2: The FWSO Inspector observing the AMF (Unit 6145) at Benning Road (G01) on track 2 noted compliance with the requirements of R-17-03. The AMF had all the required personal protective equipment (PPE) – including the flashing amber lantern and orange flag –and was positioned at the 8-car marker. The FWSO Inspector verified that the AMF was Level-4 qualified, and had established communication with the RWIC. The AMF communicated with each operator as required by R-17-03. No exceptions were taken with the duties performed by the AMF. The following non-color-coded defects were noted by the inspector assigned to the AMF: AMF (Unit 6014) was not in position at the 8-car marker due to the miscommunication with the RWIC (Unit 6336). The RWIC stated that the AMF had confirmed he was in position by cell phone before entering the roadway. Remedial Action for this defect is addressed in WMATA's approach to remedial action ID #1308. At 1003 hours, train 406's operator in lead car 3085, failed to properly sound the horn approaching the Benning Road (G01) station to acknowledge the AMF. The operator did not sound the horn continuously when leaving platform or proceed at half-track speed. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	
Remedial Action	N/A	



Photos:

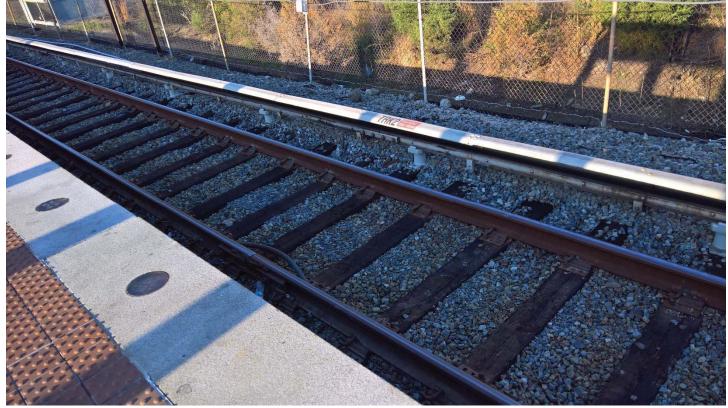


Figure 1: Ballast under third rail touching base of rail at New Carrollton Station (D13) at D2 598+50



Federal Transit Administration

Agency/Department Information

Increation Data	YYYY	MM	DD	Poport Number			C 1			
Inspection Date	2017	11	11	Report Number	20171111-WMATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	artment	TKIN				
	1	Name		Email	Office Phone	e	N	1obile Phone		
Rail Agency Department Contact Information		 								
Inspection Location	A- and G-Line Shutdown Areas									

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspect	tion Subj	ject	Job Safe	ety Brief	ing			Activity Co	ode	TRK	(JSB	OBS
Job Briefing Employee Name/Title	TRST	6271				Accon Inspec	npanied ctor?	No	Out Brief Conducted	Yes	Time	0800 - 1200		Outside Shift	Yes
Related Reports	N/A					Relate	ed CAPS / F	indings	N/A						
	Ref				Rule or S	OP		Standard	Other / Title				Cheo	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWP	/PM													
	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office		At-grad	e Tu	nnel	Ele	vated	N/A
Inspection Location				х					Track Type			х			
Line(c)	A-Lin	_	Track		Track 1		Chain Ma	ker		From				То	
Line(s)	A-LIN	e	Numbe	er	TIACK 1		and/or Sta	ation(s)	Medical Cent	er (A10)		Medic	al Ce	nter (A10)	
Maltala.	Hea	ad Car Nu	umber	١	Number c	of Cars	-		NI (A						
Vehicles		N/A			N/A	A Equipr		nent	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.11.17 10:11:40 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa		



	TRST unit 6271 conducted a job safety briefing at the Medical Center (A10)	Number of Defects	0
	briefing table. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots,	Recommended Finding?	No
Description	ID and personal protective equipment (PPE) verification, type of protection,	Remedial Action Required?	No
Description	hazards, and hospital location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Insp	ection Sub	ject	Work Z	one Set	up and Ger	ieral Track Ir	spection	Activity Co	ode	TRK		WI	OBS
Job Briefing Employee Name/Title	TRST 6	5216					mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0800 1200		Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A									
	Ref				Rule or S	SOP Standard			Other / Title			Checklist Reference			
Related Rules, SOPs, Standards, or Other	TRST-	1000,	, rev. 6												
standards, or other	RWPN	Λ													
	Main Track Yard St		Stati	ion (DCC	RTA Facility	FTA Office	T	At-grade	e Tu	nnel	Elev	vated	N/A	
Inspection Location	х			х					Track Type			Х	х		
1:	A 15.00		Track		Tracks	1	Chain Ma	Chain Marker		From				То	
Line(s)	A-Line	2	Number and 2				and/or St	ation(s)	Medical Cent	er (A10)		Grosv	venor-S	trathmore	e (A11)
Vehicles	Head	Head Car Number of N/A N/A					Cars Equipment N/A								
				<u> </u>											
	The FWSO Inspector conducted a work zone setup and general track inspection between Medical Center (A10) and Grosvenor-Strathmore (A11). All work zone										of Defect	-			3
		setups were fully compliant with WMATA requirements and in the correct									ended Fi	nding?			Yes
		locations. All roadway workers observed were working safely and had all required personal protective equipment (PPE).									l Action F	Require	ed?		Yes
Description	The fo	ollowi •	ing non-col TRST 1000, rail area of TRST 1000, was not dr. TRST 1000,	or-co 3.2.2 the sv 3.1.2 aining 5.11. ps, th	ded defe .4: At A2 witch wa: .2: At A2 ., as desig 4: At A2 ere was	cts wer 443+00 s obser 442+10 ned. 445+90 a pipe le	ved.), at the A10 , on the thin eaking. This	eak in the fro		Recomm	ended Re	inspec	tion?		Yes
Remedial Action	•	•	WMATA m	ust re ust re	pair the t pair the p	unnel l	eak at A2 4 water cond	ition at A2 4	42+10 at the A evaluate the rai	0					
				iect			up and Ger			Activity Co		TR			OB

Inspection Activity #	3	Inspection Subject	spection Subject Work Zone		one Setup and General Track Inspection				TRK	WI	OBS
Job Briefing Employee Name/Title	TRST 6216		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0800 - 1200	Outside Shift	Yes	
Related Reports	N/A		Related CAPS / Findings N/A								
	Ref		Rule or S	or SOP Standard			Other / Title			Checklist Reference	
Related Rules, SOPs, Standards, or Other	TRST	-1000, rev. 6									
oraniaarias, or other	RWP	M									



	Main Track	Yard	Statio	on OCC	RTA Facility	FTA Office	Treak Ture	At-grade	Tur	Tunnel Eleva		N/A
Inspection Location	х		Х				Track Type	x		x		
Line(c)	G-Line	Track	Tracks 1 Chain Marker		From				То			
Line(s)	G-Line	Number		and 2	and/or Station(s)		Addison Road	Addison Road (G03) Addiso				03)
	Head Ca	Head Car Number		lumber of Cars			N/A					
Vehicles	N	I/A		N/A	Equi	oment						
						0	k inspection at	Number of I	Defect	s		0
		. ,		k zone setups v ect locations.		•		Recommend	ded Fir	nding?		No
Description				quired person				Remedial A	ction F	Require	d?	No
	The FWSC) Inspector (did not	note any defe	ects.			Recomment	ded Re	inspec	tion?	No
Remedial Action	N/A											



Federal Transit Administration Agency/Department Information

Increation Data	YYYY	MM	DD	Donout Number			~ 1		
Inspection Date	2017	11	13	Report Number	20171113-WMATA-AG-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Depa	irtment		
	1	Name		Email	Office Phon	e	N	Iobile Phone	
Rail Agency Department Contact Information									
Inspection Location	Metro Cente	r (C01), track	2, platform						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ection Sub	ject	Rules C	ompliar	nce Observa	ition		Activity Co	ode	TR	K	RC	OBS
Job Briefing Employee Name/Title	N/A						mpanied ector?	No	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	No
Related Reports	Safet	y Direc	ctive 15-1			Relat	ed CAPS / I	indings	CAPs: R-2-18-	A, R-2-19-A					
	Ref				Rule or S	SOP		Standard		Other / T	Title		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	М			Perman 03	ent Orde	er R-17-								
	Mai Trac		Yard	Stat	tion (CC	RTA Facility	FTA Office		At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location				>	ĸ				Track Type			Х			
1:	C Lin	-	Track		Treal		Chain Ma	rker		From				То	
Line(s)	C-Line	е	Numbe	er	Track	2	and/or Sta	ation(s)	Metro Center	· (C01)		Metr	ro Center (C01)		
Mahalaa	Неа	d Car	Number		Number	of Cars	.		NI (A						
Vehicles		N//	A		N/A	4	Equip	ment	N/A						

Inspector in Charge - Signature	ADAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDC DN: c=U5, o=U.S. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.11.17 09:48:40 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa		



	An FWSO Inspector observed WMATA Advanced Mobile Flagger (AMF), unit 6470,	Number of Defects	4
	instructing train operators at Metro Center (C01). The AMF was observed in full compliance with the requirements set forth in Permanent Order No. R-17-03.	Recommended Finding?	Yes
	compliance with the requirements set for this Permanent Order No. R-17-05.	Remedial Action Required?	Yes
Description	 The following non-color-coded defects were observed: Permanent Order R-17-03: At 1149 hours, head end train number 6039 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Permanent Order R-17-03: At 1206 hours, head end train number 7126 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Permanent Order R-17-03: At 1212 hours, head end train number 2031 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Permanent Order R-17-03: At 1222 hours, head end train number 2031 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Permanent Order R-17-03: At 1222 hours, head end train number 3008 did not sound the horn when approaching the AMF at the Metro Center (C01) platform. The remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	Recommended Reinspection?	Yes
Remedial Action	N/A		



Federal Transit Administration

Increation Data	YYYY	MM	DD	Donout Number			C 1	
Inspection Date	2017	11	14	Report Number	r 20171114-WMATA-AG-1 TRST Sub- Department Office Phone	-1 -1		
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	artment	τκιν		
	1	Name		Email	Office Phon	e	N	Iobile Phone
Rail Agency Department Contact Information		9						
Inspection Location	B-Line, Track	1, Silver Sprir	ig (B08) to Broo	kland-CUA (B05)				

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspect	tion Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TRK	(JSB	OBS
Job Briefing Employee Name/Title	TRST	6030				Accon Inspec	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	1000 - 1400	. (Outside Shift	No
Related Reports	N/A					Relate	ed CAPS / F	indings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ītle		Check	list Refere	ence
Related Rules, SOPs, Standards, or Other	RWP	M													
lucus eticus la seticus	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Treads Tores	At-grad	e Tu	nnel	Eleva	ated	N/A
Inspection Location				х					Track Type						
Line(c)	B-Lin	_	Track		Track 1		Chain Ma	rker		From				То	
Line(s)	D-LIN	e	Numbe	er	TIACK 1		and/or Sta	ation(s)	Silver Spring ((B08)		Silver S	Spring	(B08)	
Malata	Hea	ad Car Nu	imber	١	Number c	of Cars	-		NI (A						
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 14:18:01 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa		



	TRST unit 6030 conducted a job safety briefing at the Silver Spring (B08) station	Number of Defects	0
	platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots,	Recommended Finding?	No
Description	ID and personal protective equipment (PPE) verification, type of protection,	Remedial Action Required?	No
Description	hazards and hospital location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspe	ction Sub	ject	Track	Walker	Observatio	n		Activity Co	ode	TR	K	WI	OBS
Job Briefing Employee Name/Title	TRST	6030			1		mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400	Outside Shift	No	
Related Reports	N/A					Rela	ted CAPS	/ Findings	N/A						
	Ref				Rule or	SOP		Standard		Other / 1	Title		Cheo	cklist Refe	ence
Related Rules, SOPs, Standards, or Other	TRST	-1000, r	ev. 6												
lucus stiens to estima	Mai Trac		Yard	Stat	ion	осс	RTA Facility	FTA Office	Tanali Tana	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location	x			×	(Track Type	x					
			Track			Chain Marker From							1	То	
Line(s)	B-Lin	e	Numbe	er	Track	1	and/or s	Station(s) Silver Spring (B08) Broc				Brool	kland-	CUA (B05)	
Mahtala.	Неа	d Car N	lumber		Numbe	of Cars									
Vehicles		N/A			N,	Ά	Equi	pment	N/A						
			•					personnel pe	0	Number	of Defect	ts			1
								er Spring (BO8 or was diligen) and t and attentive	Recomm	ended Fi	nding?			Yes
			• •			contract	or inspect	or was unigen		Remedia	I Action I	Require	ed?		Yes
Description	The f	Performing the inspection. Remedial Action Required? Yes ollowing non-color-coded defect was observed: • TRST 1000, 13.3.14: At B1 450+00, near the B08-04 signal, the end approach cover board was missing. A remedial action for this defect was addressed in WMATA's approach to Remedial Action ID#: 1413. Recommended Reinspection? Yes											Yes		
Remedial Action	To ac		•				irements: Ig third rai	l end approac	h cover board a	t B1 450+00).				



Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171114-WN		6.2				
inspection Date	2017	11	14	Report Number	20171114-001	VIATA-A	IG-2				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department							
		Name		Email	Office Phone	е	N	1obile Phone			
Rail Agency Department Contact Information											
Inspection Location	C- and K-Lines, Track 1, Rosslyn (C05) to Clarendon (K02)										

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Su	bject		n (C05) - e Work	Job Safety Crew)	Briefing		Activity Co	ode	TF	þ	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA RWIC				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	100 140	-	Outside Shift	No
Related Reports	N/A				Relat	ed CAPS /	Findings	N/A						
	Ref		Rule or				Standard		Other / 1	ītle		Checklist Reference		
Related Rules, SOPs, Standards, or Other	RWP	Μ		R-17-02	R-17-02									
standards, or other	MSRI	РН		R-17-03	R-17-03									
	Mai Trac	Yard	Sta	tion	OCC RTA Facility		FTA Office		At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location	х							Track Type			Х			
Line(s)	C-Lin	Trac	N/A			Chain Ma	rker		From			То		
Lille(3)	C-LIII	Num	ber 1776			and/or St	ation(s)	Rosslyn (C05)			Rossl	yn (Cl	05)	
Male and a	Hea	ead Car Number Numb		Number										
Vehicles		N/A	N/A			Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 14:24:24 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



	FWSO personnel received a job safety briefing from the WMATA roadway worker	Number of Defects	0
	in charge (RWIC) at Rosslyn (C05). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked, and the working limits	Recommended Finding?	No
	reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the	Remedial Action Required?	No
Description	 day. The hazards, clearance areas, and communication were used as part of the discussion. In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle. The AMF did notify the RWIC via positive communication (i.e., phone) that he was in place (i.e., next station ahead in the direction the mobile crew walked). The flashing amber lantern/E-flare and orange flag had been positioned at the end of the platform (i.e., 8-car marker or end gate). No exceptions were taken. The FWSO Inspector did not note any defects. 	Recommended Reinspection?	No
Remedial Action	N/A	·	

Inspection Activity #	2 In	spection Subj	ect Ca	ble Inspecti	on Observa	ition		Activity Co	de	TF	р	WI	OBS
Job Briefing Employee Name/Title	WMATA	RWIC			ompanied ector?	Yes	Out Brief Conducted	Yes	Time	100 140		Outside Shift	No
Related Reports	N/A			Rela	ted CAPS /	Findings	N/A				·		·
	Ref		Rul	e or SOP	SOP Standard			Other / T	itle		Checkl	hecklist Reference	
	TRST 100	00											
	DD-TP-SS	SI-013											
Related Rules, SOPs, Standards, or Other	FOR JUM EXPANSIT TRANSIT CABLES F SYSTEM (REVISIO	CATION CTIONS (EMI) IPER, ON, AND ION POWER REPLACEMENT WIDE											
Increation Location	Main Track	Yard	Station	OCC	RTA Facility		Track Type	At-grade	Tu	nnel	Eleva	ted	N/A
Inspection Location	х						таск туре			х			
Line(a)	C- and	Track	-	rack 1	Chain Ma	arker		From				То	
Line(s)	K-Lines	Numbe	r ''	ACK 1	and/or S	tation(s)	Rosslyn (C05))		Clare	ndon (KC	02)	
	Head C	ar Number	Num	ber of Cars									
Vehicles		N/A		N/A	Equip	oment	N/A						
		O Inspector ob						Number	of Defec	ts			0
	inspectio	on on track 1 o	f the C- a	nd K-Lines f	rom Rossly	n (C05) to Cla	arendon (K02).	Recomm	ended Fi	nding?			No
	The FWS	O Inspector d	id not no	te any defe	cts.			Remedia	Action	Require	ed?		No
Description	 Cak 146 Tra Cak 	5+00. sh and debris	ie ground surround	ing cables a	trash/leaves/debris surrounding cables at C1 Ables at K1 166+00. trash/leaves surrounding cables at K1						No		
Remedial Action	N/A												



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Data	YYYY	MM	DD	Report Number		1ATA 11	M 1		
Inspection Date	2017	11	14	Report Number	20171114-WMATA-JM-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	RTRA	Sub- Department			
		Name		Email	Office Phone		Mobile Phone		
Rail Agency Department Contact Information									
contact miormation									
Inspection Location	E- and F-Lines, Brach Ave. (F11) to Columbia Heights (E04)								
nspection Summary									

Inspection Activity # 2 3 4 5 6 1 RTRA-RI-OBS **Activity Code Inspection Units** 1 **Inspection Subunits** 1 **Defects (Number)** 11 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** Yes

Activity Summaries

Inspection Activity #	1 I	nspection Sul	oject	Operate	or Obse	rvation			Activity Co	ode	RTF	RA	RI	OBS
Job Briefing Employee Name/Title	N/A					mpanied ector?	No	Out Brief Conducted	No	Time	191 205		Outside Shift	N/A
Related Reports	Safety I	Directive 15-1			Relat	ed CAPS /	Findings	CAPs R-2-18-	A and R-2-19)-A		·		
	Ref	Rule or SO			SOP		Standard		Other / T	ïtle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH													
Standards, or Other	1.12, 3	122, 3.87.1, 4	.33											
	Main Track	Yard	Stat	tion (DCC	RTA Facility	FTA Office		At-grade	e Tu	nnel	Ele	vated	N/A
Inspection Location	х		×	<				Track Type	х		х		х	
ling(a)	F- and	Track	1	Tracks	1	Chain Ma	rker		From				То	
Line(s)	E-Lines	Numb	er	and 2		and/or St	ation(s)	Branch Avenu	ue (F11)		Colur	nbia H	eights (E04	1)
	Head	Car Number		Number	of Cars									
Vehicles	2007,	2021, 6046, 6018		6,6,6	,6	Equip	ment	N/A						
		•			r night-time riding inspections beginning on				Number of Defects					11
Description	the Gre	en Line at Nav	vy Yaro	d-Ballpark	(F05) t	o Branch A	venue (F11);	then to	Recommended Finding?					No
									Remedia	Action F	Require	ed?		No

Inspector in Charge - Signature		JOHN PHILIP MAYSER	PHILIP MAYSER
Inspector in Charge – Name John Mayser	Inspection Team John Mayser		Date:2017.12.05 08:28:10 -08'00'

 Columba Heights (FDL), and hack to the Navy Yard-Ballpark (FDS) station. The FWSD Inspector role in the cab lead car. Lead Car 2007: The FWSD Inspector observed the train with lead car 2007 from 1914 – 1934 hours, track 2, operating from Navy Yard-Ballpark (FDS) to Branch Avenue (F11). The train operator property responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 2017: The FWSD Inspector observed train with load car 2021 from 1914 – 1934 hours, track 1 approaching Suitand (F10) station, and maintained the appropriate speed. The train operator property responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 2017: The FWSD Inspector observed train with load car 2021 from 1911 PAI (FDI) in track 1 approaching from South Avenue (F11) to 15 might Peal (FDI). The train operator property responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6046: The FWSD Inspector observed train with lead car 6016 from 2015 – 2026 hours, track 2, operating from Liffank Place (FOI) so Columba Heights (FOI) to Havy Yard-Ballpark (FOI). The train operator property responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6048: The FWSD Inspector observed train with lead car 6018 from 2033 – 2050 hours, track 2, operating from Columba Heights (FOI) to Havy Yard-Ballpark (FOI). The following non-color-coled defects were observed: The FWSD Inspector observed train with lead car 2007, 2021, 6046, and 6018 din not have their copy of the MSPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.18 A and R-2.19 A. MSPH, 1.32: Operators of train with lead cars 2007 and 2021 did not have a flashlight (FDI). MSPH, 3.33: Operators of train with lead cars 20			
 1934 – 1934 hours, track 2, operating from Navy Yard-Ballpark (F05) to Branch Avenue (F11). The train operator preprive sponded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 2021: The FWSO Inspector observed train with load car 2021 from 1941 – 2021 hours, tracks 1 and 2, operating from Naroh Avenue (F11) to 1:Enfant Plaza (F83). The train operator properly sounded the horn, acknowledged track employees working on track 1 approachings buildin (F10) stotion, and maintained the appropriate speed. The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6046: The FWSO Inspector observed train with lead car 6046 from 2015 – 2026 hours, track 2, operating from K1040 to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6018: The FWSO Inspector observed train with lead car 6046 from 2033 – 2050 hours, track 2, operating from Clumbia Heights (E04) to Navy Yard- Ballpark (F05). The following non-color-coded defects were observed: MSRPH, 1.31: Operators of trains with lead car 6018 from 2033 – 2050 hours, track 2, operating from Clumbia Heights (E04) to Navy Yard- Ballpark (F05). The following non-color-coded defects were observed: MSRPH, 1.32: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-218A and R-2- 19-A. MSRPH, 4.33: Operators of trains with lead car 2007 2021, 6046 did not have a fishlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-218A and R-2- 19-A. MSRPH, 4.33: Operators of trains with lead car 2007 did not sound the hom has aer			
 – 2021 hours, track 1 and 2, operating from Branch Avenue (F11) to L'Enfant Plaze (F03). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6046: The FMSO Inspector observed train with lead car 6046 from 2015 – 2026 hours, track 2, operating from L'Enfant Plaze (F03) to Coumble Heights (E04). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6046: The FMSO Inspector observed train with lead car 6018 from 2013 – 2026 hours, track 2, operating from L'Enfant Plaze (F03) to Coumble Heights (E04). The train operator observed train with lead car 6018 from 2033 – 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard- Balpark (F05). The following non-color-coded defects were observed: MSRPH, 112: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this eddect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.21: Operators of trains with lead car 2007 did not sound the horn approaching the turnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.21: Operators of trains with lead car 2021 idi not sound lis horn is a series of short		1914 – 1934 hours, track 2, operating from Navy Yard-Ballpark (F05) to Branch Avenue (F11). The train operator properly sounded the horn, acknowledged track employees working on track 1 approaching Branch Avenue (F11), and maintained the appropriate speed. The train operator properly responded to the continual	
 - 2026 hours, track 2, operating from L'Enfant Plaza (F03) to Columbia Heights (E04). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required. Lead Car 6018: The FWSO Inspector observed train with lead car 6018 from 2033 - 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard- Ballpark (F05). The following non-color-coded defects were observed: MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-218-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-218-A and R-2- 19-A. MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 call in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-218-A and R-2-19-A. MSRPH, 3.871: Deprator of train with lead car 2007 did not sound the horm approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound ths horm in a series of short blasts when operating against the normal direction ariving and betring into Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. The train operator of lead car 6018 schibited excellent train handling 		– 2021 hours, tracks 1 and 2, operating from Branch Avenue (F11) to L'Enfant Plaza (F03). The train operator properly sounded the horn, acknowledged track employees working on track 1 approaching Suitland (F10) station, and maintained the appropriate speed. The train operator properly responded to the continual	
 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard-Ballpark (F05). The following non-color-coded defects were observed: MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.19-A. MSRPH, 3.87.1: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.19-A. MSRPH, 3.122: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.18-A and R-2.19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound its horn in a series of short blats when operating against the normal direction arriving and berthing into Branch Avenue (F11) station on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2.18-A and R-2.19-A. Other Notable Observations: A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that ev		– 2026 hours, track 2, operating from L'Enfant Plaza (F03) to Columbia Heights (E04). The train operator properly responded to the continual loss of speed	
 MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2- 19-A. MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.37.1: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Branch Avenue (F11) station on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Other Notable Observations: A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. The train operator of lead car 6018 exhibited excellent train handling <th></th><th>– 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard-</th><th></th>		– 2050 hours, track 2, operating from Columbia Heights (E04) to Navy Yard-	
 MSRPH, 3.87.1: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Branch Avenue (F11) station on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. Other Notable Observations: A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. The train operator of lead car 6018 exhibited excellent train handling 		 MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007, 2021, and 6046 did not have a flashlight in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 4.33: Operators of trains with lead cars 2007 and 2021 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA's 	
 A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. The train operator of lead car 6018 exhibited excellent train handling 		 MSRPH, 3.87.1: Operator of train with lead car 2007 did not sound the horn approaching the tunnel opening on track 2 at Southern Avenue (F08). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.122: Operator of train with lead car 2021 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Branch Avenue (F11) station on track 2. Remedial action for this defect is addressed in WMATA's 	
		 A continual loss of speed commands occurred on tracks 1 and 2 on the Green Line from the Navy Yard-Ballpark (F05) to Branch Avenue (F11) on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. The train operator of lead car 6018 exhibited excellent train handling 	
Remedial Action N/A	Demedial Astis		



Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171115 \		C 1			
inspection Date	2017	11	15	Report Number	20171115-WMATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	TKIN			
	1	Name		Email	Office Phon	e	Mobile Phone			
Rail Agency Department Contact Information										
Inspection Location	B-Line, Track	2, NoMa-Gall	audet U. (B35)	to Rhode Island Ave. (B	04)					

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST	6022					Accompanied Inspector?		Out Brief Conducted	Yes	Time	100 140	-	Outside Shift	No
Related Reports	N/A					Relate	ed CAPS /	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	M													
Standards, or other															
	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Treads Treas	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location				х					Track Type					х	
	D.L.	_	Track				Chain Ma	rker	From			То			
Line(s)	B-Line	e	Numbe	r	N/A		and/or St	ation(s)	NoMa-Gallau	det U. (B35)		NoMa-Gallaudet U. (B35)			
	Hea	d Car N	umber	1	Number c	of Cars		_							
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO Dist: 2017.11.21 14:42:46 -05'00'
Inspector in Charge – Name	Inspection Team
Adam Giovando	Adam Giovando, Ken Sgroi, Mike Vitale



	FWSO Inspectors received a job safety briefing from the roadway worker in charge (RWIC) at NoMa-Gallaudet U. (B35) prior to entering the roadway. The	Number of Defects	0
	briefing covered the type of on-track protection (i.e. Train Approach Warning	Recommended Finding?	No
	(TAW)), working limits, where to clear, known hazards and hotspots, safety rule of	Remedial Action Required?	No
Description	the day, location of nearest hospital, check of personal protective equipment (PPE), and roadway worker protection (RWP) ID. The FWSO Inspectors did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A	·	

Inspection Activity #	2 Ir	nspection Sub	oject	Walking	g Track	Inspection			Activity Co	ode	TR	RK	WI	PI
Job Briefing Employee Name/Title	TRST 60	22				ompanied ector?	Yes	Out Brief Conducted	Yes	Time	100 14	-	Outside Shift	No
Related Reports	N/A				Rela	ted CAPS /	Findings	N/A		I				
	Ref			Rule or S	OP		Standard		Other / Title Checkli				list Refer	rence
Related Rules, SOPs, Standards, or Other	TRST 10	00												
	Main Track	Yard	Stati	ion (осс	RTA Facility	FTA Office	Treak Turne	At-grad	e Tu	nnel	Elev	ated	N/A
Inspection Location	x							Track Type	x			:	x	
Line(s)	B-Line	Track Numb	er	Track 2	2	Chain Ma and/or St		NoMa-Gallau	From Idet U. (B35)					4)
	Head O	Car Number	1	Number o	of Cars									,
Vehicles		N/A		N/A	1	Equip	ment	N/A						
	FWSO In	spectors per	formed	d a track i	nspect	ion on track	c 2 of the B-I	ine between	Number	of Defec	ts			5
	NoMa-G	Gallaudet U. (B	335) an	nd Rhode	Island	Ave. (B04) 1	to inspect tra	ack conditions.	Recomm	ended Fi	nding?			Yes
	The follo	The following color-coded defects were observed:							Remedia	Action	Require	ed?		Yes
Description	•	was obser Figures 1 a owing non-co TRST 1000 straight clu Figures 3 a TRST 1000 142+70. TRST 1000 152+40. otable Obser Deteriorat), Table ved on and 2 b (lor-coo), 5.11. osure r and 4 b), 5.11.), 13.3. vation ing F-1 hese fa	 7-1: Ove the right telow. Black ded defeed 7: Spalling rail of the below. 7: Rail sp 4: Brokend s: 7: type factors a steners a	t rail be ack Cor cts wer g and a 11A sv alling v n third stener	etween B2 1 ndition. re observed a small crac witch was of was observe rail anchor s were note	k in the head bserved at B d on the rig arm was obs	45+00. See d of the 2 116+20. See nt rail at B2	Recomm	ended R	einspec	tion?		Yes
Remedial Action	To achie	eve complianc WMATA n WMATA n WMATA n WMATA n	e with nust re nust re nust ad nust ad	WMATA place insi place def ldress rai ldress rai	ulated ective I spallir I spallir	joint bar at fasteners or ng on the st ng on the rig	n the right ra).			



Photos



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



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

Form FTA-IR-1 Version date: 8/26/16





Figure 5: Deteriorating F-17 fasteners between B2 151+20 and 154+00.



Inspection Date	YYYY	MM	DD	Report Number	20171115-WMATA-AG-2					
inspection Date	2017	11	15	Report Number						
Rail Agency Name	Washington Metropolitan Area Transit Authority			Area Transit Rail Agency Department TRPM Sub- Department						
	I	Name		Email	Office Phone	е	N	1obile Phone		
Rail Agency Department Contact Information										
Inspection Location	Bethesda (A	ethesda (A09) Traction Power Substation (TPSS), and Track 1								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ection Sub	ject	Job Saf	Job Safety Briefing				Activity Co	ode	TF	þ	JSB	OBS
Job Briefing Employee Name/Title	WMA	MATA Power Personnel			Accompanied Inspector?			Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes	
Related Reports	N/A					Relat	ed CAPS / I	Findings	N/A						
	Ref				Rule or S	SOP		Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWP	М													
	Mai Trac		Yard	Stat	ion	occ	RTA Facility	FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location				х					Track Type						х
Line(c)	Alin	~	Track				Chain Ma	rker		From				То	
Line(s)	A-Lin	e	Numbe	er	N/A ar		and/or St	ation(s)	Bethesda (A0	9) Beth			esda (A09)	
	Hea	d Car N	Number		Number	of Cars									
Vehicles		N/A	4		N//	4	Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 15:05:59 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



													1	
		personnel rec nel. All perso		-		-			Number	of Defec	ts			0
		ion (RWP) ID							Recomm	ended Fi	nding?			No
Description		t hospital and							Remedial Action Required? Recommended Reinspection?				No	
Description	areas, o discuss	communicatio ion.	on, an	d Roadw	ay Acces	s Guide wer	e used as pa	rt of the					No	
	The FW	/SO Inspecto	r did n	ot note	any defe	ects.								
Remedial Action	N/A													
Inspection Activity #	2 1	Activity Co	ode	TF	P	RM	OBS							
Job Briefing Employee Name/Title	WMAT	A Power Pers	sonnel Accompanied Inspector? Yes Out Brief Conducted							Time	010 050		utside Shift	Yes
Related Reports	N/A	A Related CAPS / Findings N/A												
	Ref Rule or SOP Standard									ïtle		Checkli	st Refer	ence
Related Rules, SOPs, Standards, or Other														
	Main Track	Yard	Sta	ation	OCC	RTA Facility	FTA Office		At-grade	e Tu	nnel	Eleva	nted N/A	
Inspection Location	х			х				Track Type	x					
		Trac	,			Chain Ma	rkor		From				То	
Line(s)	A-Line	Num		Trac	<1	and/or St		Bethesda (A0 A1 397+00	9) TPSS			esda (A09 03+00	9) TPSS	
Vahialaa	Head	Car Number		Numbe	r of Cars			N1/A						
Vehicles		N/A		N	/A	Equip	ment	N/A						
		/SO Inspector							Number	of Defec	ts			1
	0	ency Trip Stat	•					fix a relay eder breaker	Recomm	ended Fi	nding?			Yes
								s located at the	Remedia	Action	Require	ed?		Yes
	Medica	l Center (A10) Tie-l	Breaker S	tation (ГBS)).								
Description	betwee	e junction bo	ay cab	inet and	a juncti	on box locat	ed wayside)	e (either , or a bad wire ple to replace						
		new wire is p the they are				WMATA ETS	Crew will te	st the relays to	Recomm	ended R	einspec	tion?		Yes
	The fol •		0, rev I note	. 6, 3.1.2	.5: The I	observed: WSO Inspect 109, located								
Remedial Action	To achi	eve compliar												
Action Action	•	WMATA	must i	repair ET	5 box A1	.09 at A1 40	2+76.							



Federal Transit Administration

Inspection Date	YYYY	MM	DD	Poport Number	Report Number 20171116-WMATA-AG-1						
Inspection Date	2017	11	16	Report Number	20171110-00101A1A-AG-1						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM Sub- Department						
		Name		Email	Office Phone	e	Mobile Phone				
Rail Agency Department Contact Information											
Inspection Location	L'Enfant Plaz	- Enfant Plaza (F03) – Alternating Current (AC) Switchboard Room (SWBD) #1									

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	L'Enfant	: Plaza (F	03) – Job	Safety Briefi	ng	Activity Co	ode	TF	0	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA Pow	A Power Personnel			Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A					Relate	d CAPS / I	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other															
Standards, or other															
	Maiı Trac		Yard	Stati	on C	CC	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location				х					Track Type						х
Ling(a)	E Line		Track		NI/A	(Chain Ma	rker		From				То	
Line(s)	F-Line	-	Numbe	r	N/A and/o		and/or St	ation(s)	L'Enfant Plaza	a (F03) L'En			Enfant Plaza (F03)		
	Hea	d Car N	umber	1	Number o	f Cars									
Vehicles		N/A			N/A		Equipment N/A								

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 15:10:52 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



	FWSO personnel received a job safety briefing from the WMATA power personnel	Number of Defects	0
	at L'Enfant Plaza (FO3). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked. WMATA power personnel covered	Recommended Finding?	No
Description	the nearest hospital and safety rule of the day. The potential safety hazards were	Remedial Action Required?	No
	discussed.		No
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspe	ection Sub	ject	Correcti	ve Main	tenance			Activity Co	de	Т	Р	RM	OBS
Job Briefing Employee Name/Title	WMA	ATA Po	wer Persoi	nnel		Accom Inspec	panied tor?	Yes	Out Brief Conducted	Yes	Time	010 050		Outside Shift	Yes
Related Reports	N/A					Relate	d CAPS /	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Chec	klist Refei	rence
Related Rules, SOPs, Standards, or Other	MAIN INSTE AUTC 480 V SWIT OPER SEMI	OMATIO /OLT A CHGEA RATION	NCE DNS (PMI), C BUS TIE C AR JAL TEST AL (REVISIO	ON											
Inspection Location	Mai Trac		Yard	Stat	ion C	осс	RTA Facility	FTA Office	Track Type	At-grade	e Tu	unnel Eleva		vated	N/A
				Х	(Х
			Track		Chain Marker					From				То	
Line(s)	F-Line	е	Numbe	er	N/A		and/or St		L'Enfant Plaza Room #1	a (F03) – AC	SWBD	L'Enf Roon	ant Plaza (F03) – AC SWE n #1		AC SWBD
Vehicles	Hea	ad Car	Number		Number o	of Cars	Equip	mont	Federal Pacifi	ic Electric (El	DE) 490 V		tchaoa	*	
venicies		N//	A		N/A		Lquip	ment	i euerai raciii		-L) 480 V	AC 5WI	tengea	I	
			•			•	•	nel performi ific Electric (I	ing corrective	Number	of Defec	ts			1
		hgear		us tie	Dreaker C	n the Fe	uerai Pac	inc Electric (FPE) AC	Recomm	ended Fi	nding?			Yes
		0								Remedia	I Action	Require	ed?		Yes
Description	using break was v utility WMA likely main The f	test sv ker. Th working feed ATA po cause break break followi	witches to is was don g properly. was dropp wer person of the faile er that wor ng non-col PMI Auton	simul e to e The l ed ou nnel t ed bu uld pr lor-co natic l se aut	ate the los nsure the bus tie bre t. roublesho s tie test v event the ded defec Bus Tie 48	ss of util main-tie eaker did of the pro- vas a bur bus tie h ct was of 60 Volt A	blem. Th rned-out t preaker fr cserved:	to the AC #1 tomatic tran automatica ey found tha rip coil on th om automat gear: The bus	ie breaker test L incoming line sfer scheme Ily when the ht the most he secondary ically closing. Is tie breaker ain automatic	Recomm	Remedial Action Required?				Yes
Remedial Action		hieve	compliance	e with	WMATA'			us tie breake	rs if a utility fee	ed is lost on	either AC	C switch	igear #:	1 or #2.	



Federal Transit Administration

Increation Data	YYYY	MM	DD	Poport Number	20171116 \		C 2			
Inspection Date	2017	11	16	Report Number	20171116-WMATA-AG-2					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	τκιν				
	1	Name		Email	Office Phon	e	Ν	/lobile Phone		
Rail Agency Department Contact Information		•								
Inspection Location	E-Line, Track	2, College Pa	rk (E09) to Gree	nbelt (E10)						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ject	Job Safe	ety Brief	fing				Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	6474				Accor Inspe	•		Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A										
	Ref				Rule or S	OP	Standard			Other / T	ïtle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPN	Л														
otandurus, or other																
	Maiı Trac		Yard	Stati	ion C	occ	RT Faci		FTA Office	Treads Treas	At-grade	e Tur	nnel	Ele	evated	N/A
Inspection Location	x			х						Track Type	x				х	
Ling(a)	E-Line		Track		N/A		Chai	in Mar	ker		From				То	
Line(s)	E-LINE	2	Numbe	er	N/A		and/	/or Sta	ition(s)	College Park	(E09)		Colle	ge Pai	rk- (E09)	
	Hea	d Car N	umber	1	Number o	of Cars										
Vehicles		N/A			N/A		1	Equipr	nent	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 15:28:11 -05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Lee Emard		
Addin Glovando			



	TRST unit 6474 conducted a job safety briefing at the College Park(E09) station	Number of Defects	0
	parking lot. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots,	Recommended Finding?	No
Description	ID and personal protective equipment (PPE) verification, type of protection,	Remedial Action Required?	No
Description	hazards, and hospital location.		
	The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspecti	ion Subj	ect	Track W	/alker O	bservation			Activity C	ode	TR	K	WI	OBS		
Job Briefing Employee Name/Title	TRST 6	6474				Accor Inspe	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes		
Related Reports	N/A					Relat	ed CAPS /	Findings	N/A		1						
	Ref				Rule or S	OP		Standard		Other / 1	Other / Title Checkl				list Reference		
Related Rules, SOPs, Standards, or Other	TRST-2	1000, rev	v. 6										ID Nu	umbers			
Inspection Location	Mair Tracl	Y	'ard	Stati	on C	осс	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Elev	vated	N/A		
	x			Х					There is the second sec	х			х				
Line(s)	E-Line		Track		Track 2	,	Chain Ma	Aarker From						То			
Linc(3)	L LINC		Numbe	er	THUCK 2	-	and/or St	ation(s)	College Park	(E09)		Geen	belt (E	10)			
Vehicles	Head	d Car Nu	mber	٩	Number o	of Cars	Equip	ment	N/A								
		N/A			N/A												
							0	tion and gen llege Park-(E	Number of Defects 4						4		
		belt (E10		LI dCK		-Line D	etween Co	liege Park-(E	.09) anu	Recommended Finding?					Yes		
										Remedial Action Required?					Yes		
Description		 TRS ligh TRS mis TRS mis TRS mis 	5T 1000, at was or 5T 1000, asing on 5T 1000, asing.	3.1.2 ut at E 13.3. the kin 13.3.	.5: At E2 TS box 10 15: At E2 cker rail. 15: At E2	588+00 62 on tr 653+30 657+40	ack 2.), the end t), the end t	gency Trip St hird rail cove hird rail cove	ation (ETS) er board was er board was er board was	Recomm	ended R	einspec	tion?		Yes		
Remedial Action	To ach		· /IATA m /IATA m /IATA m	ust rep ust ins ust ins	pair third stall an er stall an er	rail ETS nd cove nd cove	r board on r board on	the third rai	S box 162. l at E2 653+30. l at E2 657+40. l at E2 659+20.								



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171116-WMATA-JM-1				
inspection Date	2017	11	16	Report Number					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	RTRA	Sub- Department			
		Name		Email	Office Phone		Mobile Phone		
Rail Agency Department Contact Information									
Contact Information									
Inspection Location	F- and C- L	ines, Archives	(F02) to Eisenh	nower Ave. (C14)					
nspection Summary									

Inspection Activity # 2 3 4 5 6 1 RTRA-RI-OBS **Activity Code Inspection Units** 1 **Inspection Subunits** 1 **Defects (Number)** 9 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** Yes

Activity Summaries

Inspection Activity #	1	nspection Sub	ject	Operato	or Observ	vation			Activity Co	ode	RTF	RA	R1	OBS
Job Briefing Employee Name/Title	N/A					No		Out Brief Conducted	No	Time	202 213		Outside Shift	N/A
Related Reports	Safety	Directive 15-	1		Related CAPS / Findings CAPs R-2-18-A			A and R-2-19	9-A					
	Ref			Rule or S	SOP	Standard			Other / T	ītle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH													
orandaras, or orner	1.12, 3.	87, 4.33												
	Main Track	Yard	Stati	ion C	DCC	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	Elev	vated	N/A
Inspection Location	х		х				Track Ty		x		х	х		
ling(a)	F- and	Track		Tracks	1	Chain Ma	rker		From				То	
Line(s)	C- Lines	Numb	er	And 2		and/or St	ation(s)	Archives (F02	2)		Eisen	hower	Ave. (C14)
	Head	Car Number		Number o	of Cars	_								
Vehicles	2043,	3058, 3062		6, 6,	6	Equip	ment	N/A						
Description		SO Inspector							Number	of Defect	s			9
							e (C14); then	to L'Enfant	Recomm	ended Fi	nding?			No
	FIdZd (F	03). The FWS	J IIISPE						Remedia	I Action F	Require	d?		No
									Recomm	ended Re	einspec	tion?		Yes

	Digitally signets (JOHN PHILU PMSYSER DN: c=ty5, c=U.S. Government, ou=FRA FRV:argicouverWA, ou=DOT FRAVancouverWA, o=DOT FRAVANCOUVER
Inspection Team John Mayser	



Form FTA-IR-1

United States Department of Transportation Federal Transit Administration

	 Lead Car 2043: The FWSO Inspector observed train with lead car 2043 from 2025 – 2039 hours, track 2, operating from Archives (F02) to Crystal City (C09). Lead Car 3058: The FWSO Inspector observed train with lead car 3058 from 2050 – 2106 hours, track 2, operating from Crystal City (C09) to Eisenhower Avenue (C14). The train operator properly responded to the continual loss of speed commands and obtained Permissive Blocks, as required. 	
	Lead Car 3062: The FWSO Inspector observed train with lead car 3062 from 2116 – 2139 hours, track 1, operating from Eisenhower Avenue (C14) to L'Enfant Plaza (F03). The train operator properly responded to the continual loss of speed commands.	
	 The following non-color-coded defects were observed: MSRPH, 1.12: Operators of trains with lead cars 2007, 2021, 6046, and 6018 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	
	• MSRPH, 4.33: Operators of trains with lead cars 2043, 3058, and 3062 did not have their roadway worker protection (RWP) Level-2 Card in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A.	
	• MSRPH, 3.87.1: Operator of train with lead car 3058 and 3062 did not sound the horn approaching tunnel openings on tracks 1 and 2 from Crystal City (C09) to Eisenhower Avenue (C14) and Eisenhower Avenue to L'Enfant Plaza (F03). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A.	
	• MSRPH, 3.87.1: Operator of train with lead car 3058 did not see the Automatic Train Approach Warning System operate (ATAWS) at King Street and did not contact the ROCC to report the ATAWS on track 2. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A.	
	 Other Notable Observations: A continual loss of speed commands occurred on tracks 1 and 2 on the Yellow Line from Archives (F02) to Eisenhower Avenue (C14) track 2 and from Eisenhower Avenue (C14) to L'Enfant Plaza (F03) track 1 on all the trains ridden that evening. In accordance with MSRPH Cardinal Rule 3.79, the Train Operators made required notifications to the ROCC. 	
Remedial Action	N/A	

Photos:



Federal Transit Administration

Increation Data	YYYY	MM	DD	Report Number	20171117-WMATA-AG-1					
Inspection Date	2017	11	17	Report Number	20171117-WWATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	τκιν				
	1	Name		Email	Office Phon	e	N	1obile Phone		
Rail Agency Department Contact Information		 								
Inspection Location	D1 593+50 to	o D1 578+50								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST	6111				Accor Inspe	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	1000 1130		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A										
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	M													
Standards, or other															
	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Tuesda Taura	At-grade	e Tur	nnel	Ele	evated	N/A
Inspection Location				х					Track Type	x					
Line(a)	Dlin	-	Track				Chain Ma	rker		From				То	
Line(s)	D-Lin	e	Numbe	r	N/A		and/or St	ation(s)	New Carrollto	on (D13)		New	Carro	llton (D13)	
	Hea	d Car N	umber	1	Number c	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDC DN: c=US, o=U.S. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.11.28 11:10:01 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa		



	A TRST roadway worker in charge (RWIC) conducted a job safety briefing at New	Number of Defects	0
	Carrollton Station platform (D13). The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the	Recommended Finding?	No
Description	day, hot spots, ID and personal protective equipment (PPE) verification, type of	Remedial Action Required?	No
	protection, hazards and hospital location.		
	The FWSO inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Inspe	ection Subj	ect	Track	Walking	Observa	ion		Activity Co	ode	TRI	K	WI	OBS
Job Briefing Employee Name/Title	TRST	6111				Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	1000 1130	-	Outside Shift	No
Related Reports	N/A					Rela	Related CAPS / Findings N/A								
	Ref				Rule o	e or SOP Standard				Other / Title				cklist Refer	rence
Related Rules, SOPs, Standards, or Other	TRST-	·1000,	rev. 6												
standards, or other															
	Mai Trac		Yard	Stat	ion	OCC	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location	x			×	¢				Track Type	x					
Lino(a)	D Line	~	Track		Trac	6.1	Chain N	larker		From				То	
Line(s)	DLIN	e	Numbe	er	ITac	К⊥	and/or	Station(s)	D1 593+50			D1 57	8+50		
Male 1.	Неа	d Car	Number		Numbe	er of Cars			N1 (A						
Vehicles		N//	A		Ν	I/A	Equ	ipment	N/A						
			•					conducting a		Number	of Defec	ts			0
						· · /		ood (D10). Al mergency wh		Recomm	ended Fi	nding?			No
Description						,		0 ,	inspector was	Remedia	Action	Require	d?		No
			attentive			0				Recomm	ended R	einspect	tion?		No
Remedial Action	N/A														



Form FTA-IR-1

Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number		1ATA A0	C 2		
inspection Date	2017	11	17	Report Number	20171117-WMATA-AG-2				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Depa	artment		
	1	Name		Email	Office Phone	е	N	1obile Phone	
Rail Agency Department Contact Information									
Inspection Location	C&J Junction	(C97) Tractio	n Power Substat	tion (TPSS), C1 574+00					

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ction Sub	ject	Job Sa	ety Brie	fing				Activity Co	ode	TF)	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA RW	IC				mpanieo ector?	ł	Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A					Relat	ted CAPS	6 / Fi	ndings	N/A						
	Ref				Rule or	SOP			Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	Μ														
	Mai Trac		Yard	Stat	ion	осс	RTA Facilit		FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	х									Track Type			x			
Line(s)	C-Lin	0	Track		N/A		Chain I	Mark	ker		From				То	
Line(5)	C-LIII	C	Numbe	er	N/A		and/or	Stat	tion(s)	C&J Junction	(C97) TPSS		C&J J	unctio	on (C97) TP	SS
Vahialaa	Hea	nd Car N	lumber		Number	of Cars				NI / A						
Vehicles		N/A	l l		N/	Ą	Eq	uipm	ient	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.28 11:14:46 -05'00'	Date rthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



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

Inspection Activity #	2	Inspe	ction Sub	ject	Cable	e Replace	ment			Activity Co	ode	Т	Р	RM	OBS	
Job Briefing Employee Name/Title	WMA	TA RW	IC				ompanied ector?	Yes	Out Brief Conducted	Yes	Time	010 05		Outside Shift	Yes	
Related Reports	N/A					Rela	ted CAPS /	Findings	N/A							
	Ref				Rule o	Rule or SOP Standard				Other / T	ītle		Che	cklist Refe	ence	
Related Rules, SOPs, Standards, or Other	MSRI	РΗ														
	Mai Trac		Yard	Stat	ion	OCC	RTA Facility	FTA Office	Treads Treads	At-grad	e Tu	Tunnel		evated	N/A	
Inspection Location	x								Track Type		x					
Line(s)	C-Lin	<u> </u>	Track		Trac	L 1	Chain Ma	arker		From				То		
Lille(s)	C-LIII	e	Numb	er	Hac	κı	and/or S	tation(s)	C&J Junction	(C97)		C1 57	74+00	0		
Vehicles	Hea	d Car N	lumber		Numbe	er of Cars		oment	Positive Feed	ar Cable (10		2147	hioldo	a)		
venicies		N/A	l l		Ν	I/A	Equi	ment	Positive reed	er Cable (10		, ZKV, S	nielue	u)		
								nd WMATA p		Number	of Defect	ts			0	
									aker 32 at the oct the wayside	Recomm	ended Fi	nding?			No	
			. ,					Fermination i		Remedia	I Action I	Require	ed?		No	
Description	a pro and t	pane to hen lan	orch wher	e the cable	termin with lug	al lug and g on the	d insulating load side of		t shrink (using cable meet),	Recomm	ended Ro	einspeo	ction?		No	
Remedial Action	N/A	1130 11	Spector		, note	any dere										



Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171117-WMATA-JM-1				
inspection Date	2017	11	17	Report Number					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	RTRA	Sub- Depa	rtment		
	1	Name		Email	Office Phone	5	Mobile Phone		
Rail Agency Department Contact Information									
contact mornation									
Inspection Location	F- and E- L	ines, Navy Yar	ds (F05) to Gre	enbelt (E10)					
nspection Summary									

Inspection Activity # 2 3 4 5 6 1 RTRA-RI-OBS **Activity Code Inspection Units** 1 **Inspection Subunits** 1 **Defects (Number)** 9 **Recommended Finding** No **Remedial Action Required¹** No **Recommended Reinspection** Yes

Activity Summaries

Inspection Activity #	1	Inspection Su	bject	Operate	or Observ	vation			Activity Co	ode	RTF	RA	R1	OBS
Job Briefing Employee Name/Title	N/A	N/A			Accom Inspec	panied tor?	No	Out Brief Conducted	No	Time	150 163	-	Outside Shift	N/A
Related Reports	Safe	Safety Directive 15-1				Related CAPS / Findings CAPs R-2-18-A			A and R-2-19	9-A		·		
	Ref Ri			Rule or S	Rule or SOP Standard				Other / T	ītle		Checklist Reference		
Related Rules, SOPs, Standards, or Other	MSRPH													
Standards, or other	1.12, 3	3.87, 4.33												
	Mair Tracl	Yard	Stat	tion (DCC	RTA Facility	FTA Office		At-grade	At-grade Tunne		Elevated		N/A
Inspection Location	x)	x	Track Type		х	x x			х			
line(a)	F- and	Track	:	Tracks	1 Chain Marker			From				То		
Line(s)	E- Line	es Num	ber	And 2	i	and/or Station(s) Navy Yard (FC)5)	Greer	nbelt (E10)			
	Head	d Car Number		Number of	of Cars									
Vehicles	6041	l, 6026, 6112, 6124		6, 8, 8	8, 8	Equip	ment	N/A						
Description	The FWSO Inspector performed four day-time riding inspections beginning on the							Number	of Defect	s			9	
		ine at Navy Ya 1 and 2 were	•	,	•			. ,	Recommended Finding?					No
	TIACKS		utilized	u. 1112 I VV	50 msper	ctor roue		au cai.	Remedia	Action F	Required? No			No

Inspector in Charge - Signature		JOHN PHILIP MAYSE	Digitally signed Date: PHILIP MAYSER DN: c=US, o=U.S. Government, ou=FRA FRAVancouver ou=DOT FRAVancouverWA, on=JOHN PHILIP MAYSER Date: 2017.12[05 08:30:39 -08'00'	WA,
Inspector in Charge – Name John Mayser	Inspection Team John Mayser			



 Lead Car 6041: The FWSO Inspector observed train with lead car 6011 from 1500 1521 hours, track 1. operating from Maxy Yards (F05) to Columbia Heights (F03). The train operator properly responded to the loss of speed commands and obtained Permissive Bioks, as required. Lead Car 6026: The FWSO Inspector observed train with lead car 6026 from 1524
Remedial Action N/A

Photos:



Federal Transit Administration

Increation Data	YYYY	MM	DD	Depert Number	20171118-WMATA-AG-1				
Inspection Date	2017	11	18	Report Number					
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Department TKIN			
	1	Name		Email	Office Phon	e	Mobile Phone		
Rail Agency Department Contact Information		•							
Inspection Location	G-Line, Track	1, Benning Ro	oad (G01) to Ca	pitol Heights (G02)					

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	Job Safe	ety Brief	ing			Activity Code		TRK		JSB	OBS
Job Briefing Employee Name/Title	TRST 6457				Yes			Out Brief Conducted	Yes	Time	0900 1400		Outside Shift	Yes	
Related Reports	N/A	N/A				Related CAPS / Findings N/A									
	Ref Rule or			Rule or S	OP		Standard		Other / Title			Checklist Reference			
Related Rules, SOPs, Standards, or Other	RWPM														
Standards, or Other															
	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Treads Treas	At-grade Tunnel		nnel	Ele	evated	N/A
Inspection Location				х					Track Type			х			
line(a)	C Lin	-	Track				Chain Marker		From			То			
Line(s)	G-Lin	e	Numbe	r	IN/A	N/A and/or		ation(s)	Benning Road	l (G01) Benn			ning Road (G01)		
	Неа	ad Car N	umber	1	Number o	of Cars									
Vehicles		N/A			N/A	/A Equipment N/A		N/A							

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.11.21 15:48:18 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Ken Sgroi, Alexander Nepa, Lee Emard		



Description	TRST unit 6457 conducted a job safety briefing at the Benning Road (G01) station platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and personal protective equipment (PPE) verification, type of protection, hazards and hospital location. The FWSO Inspector did not note any defects.	Number of Defects Recommended Finding? Remedial Action Required? Recommended Reinspection?	0 No No
Remedial Action	N/A		

Inspection Activity #	2 Inspection Subject Track Inspection							Activity Co	Activity Code TRK			WI	OBS				
Job Briefing Employee Name/Title	TRST	6457				Accon Inspec	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	me 0900 - 1400		Outside Shift	Yes		
Related Reports	N/A					Relate	ed CAPS /	Findings	N/A			1					
	Ref				Rule or	SOP		Standard	I	Other / T	itle		Chec	dist Refer	ist Reference		
Related Rules, SOPs, Standards, or Other	TRST	TRST-1000, rev. 6															
otaliaaras, or other																	
	Main Track Yard			Stati	ion	осс	RTA Facility	FTA Office		At-grade	e Tui	nnel	Elev	ated	N/A		
Inspection Location	x			х					Track Type			x					
Line(s)	G-Lin	e	Track		Track	1	Chain Ma			From	From			То	То		
			Numb				and/or St	ation(s)	Capitol Heigh	ts (G02)		Benn	ing Roa	d (G01)			
Vehicles	Hea		Number			of Cars	Equip	ment	N/A								
	ELV(C)	N/			N/			4	• • • • • • • • •								
			-			-			ine between rvations from	Number					5		
		Capitol Heights (G02) and Benning Road (G01) to follow up on observations from a train ride quality observation.								Recomm	-		12	-	Yes		
Description		The following color-coded defects were observed: TRST 1000, 7.1: At G1 414+00, three consecutive non-holding fasteners on both rails (directly across from each other) were observed. This condition was allowing a ½-inch dynamic vertical deflection. Red Condition. TRST 1000, 7.1: At G1 409+30, at the joint on the left rail, there were no fasteners supporting the rail joint. Directly across on the right rail, there were three consecutive non-holding, defective fasteners. Additionally, due to the shims used on the left rail to match the third rail, the rail joint was suspended 1-7/8 inches from the fastener. See Figure 1 below. Red Condition. TRST 1000, 7.1: Between G1 408+10 and 408+20 on the left rail, seven consecutive, defective, non-holding fasteners were observed. The distance measured between holding fasteners were observed. The distance measured between holding fasteners was more than 200 inches. Additionally, the left rail was not seated in the fasteners for 170 inches, allowing dynamic vertical deflection in the rail profile as well as a negative cant condition. TRST 1000, Tabie 5-21: At G1 411+50, on the right rail joint, two loose bolts on the same side were observed. Red Condition. TRST 1000, Tabie 5-21: At G1 411+00, a tunnel leak was observed leaking on the right rail. Recommended Reinspection? Yu															



Remedial Action	 To achieve compliance with WMATA's requirements: WMATA must repair the defective fasteners at G1 414+00. WMATA must repair the defective fasteners at G1 409+30. WMATA must repair the defective fasteners between G1 408+10 and 408+20.
	 WMATA must repair the defective fasteners between G1 408+10 and 408+20. WMATA must tighten the loose bolts on the joint bar at G1 412+50. WMATA must repair the tunnel leak at G1 411+00.

Photos



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



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





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



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171121-WN	10T0 0	C 1			
inspection Date	2017	11	21	Report Number	20171121-001					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency TRPM Sub- Department						
		Name		Email	Office Phone	5	N	1obile Phone		
Rail Agency Department Contact Information										
Inspection Location	E-Line, Track	ine, Track 2, West Hyattsville (E07) to College Park – U. of MD (E09)								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspectio	n Subje	ect		/attsville Work C	. ,	b Safety Brie	efing	Activity Co	ode	ТР		JSB	OBS	
Job Briefing Employee Name/Title	WMA	WMATA RWIC				Accon Inspec	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	100 140	-	Outside Shift	No	
Related Reports	N/A					Relate	ed CAPS / F	Findings	N/A							
	Ref			R	ule or S	OP		Standard		Other / T	ītle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWP	Μ		R	-17-02											
	MSR	PH		R	-17-03	-03										
	Ma Tra	Ya Ya	rd	Statior	n C	осс	RTA Facility	FTA Office		At-grad	e Tu	nnel	Ele	evated	N/A	
Inspection Location	х								Track Type	x		Х		х		
Lino(c)	E-Lin	1	rack		Track 2		Chain Ma	rker		From				То		
Line(s)	E-LIII	e 1	lumber		HACK Z		and/or Sta	ation(s)	West Hyattsv	ille (E07)		Colle	ge Pa	e Park (E09)		
	Hea	ad Car Num	ber	Nu	Number of Cars											
Vehicles		N/A			N/A		Equip	ment	N/A							

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.01 07:06:26 -05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



	FWSO personnel received a job safety briefing from the WMATA roadway worker	Number of Defects	0
	in charge (RWIC). All personal protective equipment (PPE) and roadway worker		-
	protection (RWP) IDs were checked and the working limits reviewed. The WMATA	Recommended Finding?	No
	RWIC covered the nearest hospital and safety rule of the day. The hazards,	Remedial Action Required?	No
Description	 clearance areas, and communication were used as part of the discussion. In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle. The AMF did notify the RWIC via positive communication (i.e., phone) that he was in place (i.e., next station ahead in the direction the mobile crew walked). The flashing amber lantern/E-flare and orange flag had been positioned at the end of the platform (i.e., 8-car marker or end gate). No exceptions were taken. The FWSO Inspector observed the WMATA RWIC request foul time for six "hot spots" (i.e., portal, curve: restricted view, interlocking, portal approach, and no clearance) encountered during mobile work crew's cable inspection walk. One hundred percent repeat back did occur on radio communication between RWIC and the Rail Operations Control Center (ROCC). The RWIC relinquished foul time once the mobile work crew completely walked through the "hot spot." No issues/concerns or exceptions were taken to the RWIC performing his duties. The RWIC was compliant with WMATA PERMANENT ORDER R-17-02, GRANTING FOUL TIME (FRIDAY APRIL 28, 2017). 	Recommended Reinspection?	No
	The FWSO Inspector did not note any defects.		
Remedial Action	N/A		

Inspection Activity #	2	Insp	pection Sub	ject	Cable	e Inspecti	on Obser	vation			Activity C	ode	Т	Р	WI	OBS
Job Briefing Employee Name/Title	WMA	ATA R	WIC				Accompanied Inspector?			Out Brief Conducted	Yes	Time	100 14		Outside Shift	No
Related Reports	N/A					Rela	ted CAPS	/ Findings		N/A						
	Ref				Rule o	or SOP		Standa	rd	L	Other / 1	ïtle		Cheo	cklist Refe	rence
	TRST	1000)													
	DD-T	P-SSI-	-013													
Related Rules, SOPs, Standards, or Other	FOR J EXPA TRAN CABL SYSTI (REVI	NIFICA RUCTI IUMP INSIO ISITIC ES RE EM W ISION	TION IONS (EMI) PER, N, AND ION POWER IPLACEMEN /IDE													
	Mai Trac		Yard	Stati	on	OCC	RTA Facility	FTA Office	9	T	At-grad	e Tu	innel	Ele	vated	N/A
Inspection Location	х									Track Type	x		х		х	
Line(s)	E-Lin	0	Track		Trac	12	Chain M	/larker			From				То	
Line(s)	L-LIII	e	Numbe	er	mac	κZ	and/or	Station(s)		West Hyattsv	ville (E07) College Park (E09)					
Vehicles	Hea	ad Car	r Number	1	lumbe	r of Cars		ipment		N/A						
venicles		N	/A		N	I/A	Equ	ipment		N/A						
			Inspector of								Number	of Defec	ts			4
Description	inspe (E09)		on track 2	of the	E-Line	from We	st Hyatts	ville (E07) t	o Co	ollege Park	Recomm	ended F	inding?			Yes
	(200)										Remedia	Action	Require	ed?		Yes



	 The following non-color-coded defects were observed: EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal unistrut channel (i.e., Kindorf) at E2 372+00. EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal Unistrut channel (i.e., Kindorf) at E2 402+00. EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal Unistrut channel (i.e., Kindorf) at E2 402+00. EMI for Jumper, Expansion, and Transition Power Cables Replacement System Wide: Expansion cables stood off the ground with metal Unistrut channel (i.e., Kindorf) at E1 402+00. DD-TP-SSI-013: Feeder cable whip terminal lug and compression fastener (i.e., Huck bolt) connection to the 3rd rail was slightly damaged at E2 424+00. 		
	 Other Notable Observations: Trash and debris were surrounding the cables which were lying on the ground at E2 392+00. Cables were lying on the ground at E2 402+00 and E1 402+00. Cables were lying on the ground at E2 412+00. Cables were lying on the ground at E2 413+00. Trash and debris were surrounding cables which were lying on the ground at E2 414+00. Trash and debris were surrounding cables and power conduit stub-ups at E2 422+00. Trash and debris were surrounding cables and power conduit stub-ups at E2 425+00. Trash and debris were surrounding cables and power conduit stub-ups as well as the cables lying on the ground at E2 411+00. Debris was surrounding cables and power conduit stub-ups at E2 498+00. Mud and debris was surrounding cables and power conduit stub-ups at E2 504+00. 	Recommended Reinspection?	Yes
Remedial Action	 To achieve compliance with WMATA's requirements: WMATA must install cables per EMI at E2 372+00. WMATA must install cables per EMI at E2 402+00. WMATA must install cables per EMI at E1 402+00. WMATA must replace the terminal lug and compression fastener (i.e., Here) 	uck bolt) connection to the 3 ^{rd.} rail at	E2 424+00.



Agency/Department Information

Federal Transit Administration

Increation Date	YYYY	MM	DD	Poport Number		10T0 0	C 1			
Inspection Date	2017	11	22	Report Number	eport Number 20171122-WM					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency TRPM Sub- Department						
	1	Name		Email	Office Phone	е	N	Iobile Phone		
Rail Agency Department Contact Information										
Inspection Location	Benning Roa	nning Road (G01) Tie Breaker Station (TBS)								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspe	ection Sub	ject	Benni	ng Road	(G01) – Job	Safety Brief	ing	Activity C	ode	TP		JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA Po	wer Perso	ersonnel			Yes		Out Brief Conducted	Yes	Time	0100 050		Outside Shift	Yes
Related Reports	N/A					Rela	ted CAPS /	Findings	N/A						
	Ref				Rule or	SOP		Standard		Other / -	Fitle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	М													
Standards, or other															
	Mai Trac		Yard	Stat	ion	осс	RTA Facility	FTA Office		At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location				х	(Track Type						х
1			Track				Chain Ma	rker		From				То	
Line(s)	G-Lin	e	Numbe	er	N/A		and/or St	ation(s)	Benning Road	d (G01) TBS		Bennir	ng Ro	ad (G01) T	BS
	Hea	d Car I	Number		Number	of Cars									
Vehicles		N/#	A		N,	'A	Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.01 07.12:16 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



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

Inspection Activity #	2	nspection Sul	oject	Preve	entive M	aintenance	Observation		Activity Co	ode	TP)	RM	OBS
Job Briefing Employee Name/Title	WMAT	A Power Perso	onnel			ompanied ector?	Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A			Related CAPS / Finding				N/A		I				
	Ref			Rule c	or SOP		Standard		Other / T	ītle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH													
otanidarido, or other														
	Main Track	Yard	Stat	tion	OCC	RTA Facility	FTA Office	T	At-grad	At-grade Tuni			ated	N/A
Inspection Location			>	ĸ				Track Type						х
	<u></u>	Track				Chain Marker Fr							То	
Line(s)	G-Line	Numb	er	N/A		and/or St	ation(s)	Benning Road	d TBS (G01)		Benni	ing Road	d TBS (GC)1)
	Head	Car Number		Numbe	er of Cars									
Vehicles		N/A		Ν	N/A	Equip	ment	N/A						
		SO Inspector				-	-	-	Number	of Defect	s			0
		all Emergency : (DC) feeder b			• •	,			Recomm	ended Fi	nding?			No
		. ,					,		Remedia	Action F	Require	d?		No
Description	Trippin "trip si sends t de-ene (type: 1	ensures that when the button is pushed in each ETS box, the feeder breaker(s) associated with that ETS box trip in the tie breaker, de-energizing the 3 rd rail. Tripping of feeder breakers occur via the ETS relay cabinet as a relay receives the "trip signal" whenever a button is pushed. The relay "drops out", and this in turn sends the control signal to the appropriate breaker for it to trip (or "open") and de-energizes the 3 rd . rail. The DC switchgear (Powell – manufacturer) and breakers (type: NDC) in the tie breaker are newly installed. The FWSO inspector did not note any defects.											No	
Remedial Action	N/A													



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number						
inspection Date	2017	11	22	Report Number	20171122-WMATA-AG-2					
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM	Sub- Depa				
Name				Email	Office Phon	e	Mobile Phone			
Rail Agency Department Contact Information										
Inspection Location	Wheaton (B1	Wheaton (B10) Tie Breaker Station (TBS)								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	ction Subj	ect	Wheato	n (B10) -	- Job Safe	ty Briefing		Activity Co	ode	TF)	JSB	OBS
Job Briefing Employee Name/Title	WMA	WMATA Power Personnel				Accom Inspec	panied tor?	Yes	Out Brief Conducted	Yes	Time	100 140	-	Outside Shift	No
Related Reports	N/A					Relate	d CAPS / I	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ītle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRP	Ή													
Standards, or other	RWPN	N													
	Maiı Trac		Yard	Stati	on C	occ	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location				х					Track Type						х
Line(a)	Dline		Track		NI / A		Chain Ma	rker		From		То			
Line(s)	B-Line	-	Numbe	r	N/A	i	and/or St	ation(s)	Wheaton (B1	0) TBS		Whea	aton (B10) TBS	
Male and a second s	Неа	d Car N	lumber	١	Number o	f Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.12.01 07:14:02 -05'00'	Date TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



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

Inspection Activity #	2	nspectio	on Subjec	t Co	rrective	Maint	enance			Activity Co	ode	TI	Р	RM	OBS
Job Briefing Employee Name/Title	WMAT	A Power	Personne	1	Accompanied Inspector? Yes Out Brief Conducted		Yes	Time	100 140	-	Outside Shift	No			
Related Reports	N/A			Related CAPS / Findings N/A					N/A		1		1		
	Ref			Rul	e or SOP	D		Standard		Other / T	ītle		Chec	klist Refe	rence
Related Rules, SOPs, Standards, or Other	MSRPH														
	Main Track	Ya	rd S	ation	000	c	RTA Facility	FTA Office		At-grad	-grade Tunnel		Elev	vated	N/A
Inspection Location				х					Track Type						Х
Line(s)	B-Line	Т	Frack	N	/A	C	Chain Ma	rker		From				То	
Line(s)	D-LITE	P	Number	IN	/A	а	and/or St	ation(s)	Wheaton (B1	0) TBS		Whea	aton (B	10) TBS	
Vehicles	Head	Car Num	nber	Num	ber of C	Cars	- Faulta		N1/A						
venicies		N/A			N/A		Equip	ment	N/A						
								el troublesho		Number	of Defec	ts			0
						•	,	ufacturer) in emotely by		Recomm	ended Fi	nding?			No
		` '	trol Cente			0.00.00	. unppeur	cinotery by		Remedia	Action	Require	ed?		No
Description	WMATA power personnel were able to fix the issue, as the main operating relay (201x) was found to be defective and was replaced. Remote tripping capability by the ROCC was functional. Recommended Reinspection? The FWSO inspector and WMATA personnel did not note any defects. Recommended Reinspection?									No					
Remedial Action	N/A	50 mspe		VVIVIA	in perso	onner		ste any dele							



Agency/Department Information

Federal Transit Administration

Increation Date	YYYY	MM	DD	Poport Number	20171120 \\/		C 1		
Inspection Date	2017 11		28	Report Number	20171128-WMATA-AG-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	Sub- Department TKIN		
	1	Name		Email	Office Phon	e	N	Iobile Phone	
Rail Agency Department		1							
Contact Information									
Inspection Location	C and L Linos	Track 1 King	Street (C13) to	Van Dorn (102)					

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspect	tion Subj	ject	Job Safe	ety Brie	fing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	6036				Accor Inspe	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	0700 1400		Outside Shift	Yes
Related Reports	N/A					Relat	ed CAPS /	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	Title		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	1													
Standards, or other															
lucus eticus la ceticus	Mair Tracl		Yard	Stati	ion C	осс	RTA Facility	FTA Office	Treads Treas	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location			х	х					Track Type	x				х	
Line(c)	C- and	J-	Track		N/A		Chain Ma	rker		From		То			
Line(s)	Lines		Numbe	er	IN/A		and/or St	ation(s)	Alexandria Ya	rd (C99), Tr	ailer 1	Alexa	ndria	Yard (C99),	Trailer 1
	Head	d Car Nu	umber	1	Number o	of Cars									
Vehicles		N/A			N/A	L	Equipment N/A								

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.01 07:17:56-05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard		



	TRST unit 6036 conducted a job safety briefing at Alexandria Yard (C99), trailer 1.	Number of Defects	0
	The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and	Recommended Finding?	No
Description	personal protective equipment (PPE) verification, type of protection, hazards, and	Remedial Action Required?	No
Description	hospital location.		
	The FWSO Inspectors did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		1

Inspection Activity #	2	Insp	ection Sub	ject	Track	Walker	Observati	on		Activity C	ode	TR	к	WI	OBS
Job Briefing Employee Name/Title	TRST	6036					ompanied ector?	Yes	Out Brief Conducted	Yes	Time			Outside Shift	Yes
Related Reports	N/A					Rela	ted CAPS	/ Findings	N/A				·		
	Ref				Rule o	r SOP		Standard		Other / 1	Гitle		Chee	klist Refe	rence
Related Rules, SOPs, Standards, or Other	TRST-	1000	, rev. 6									Tunnel X X X X X X X X X X X X X X X X X X X			
Standards, or Other															
Inspection Location	Mai Trac		Yard	Stat	ion	OCC	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	nnel Eleva		N/A
	x		х	Х					Пасктуре	х		Х	х		
										From		J1 584+90		То	
Line(s)	C- and Lines	-L k	Track Numbe	er	Trac	k 1	Chain M and/or	larker Station(s)	King Street (C13)					
	Hea	d Car	Number		Numbe	r of Cars									
Vehicles		N/	/A		Ν	/A	Equ	ipment	N/A						
									inspection on	Number	of Defect	ts			2
								13) and Van Do		Recomm	nended Fi	nding?			Yes
	. ,	(J02). The FWSO Inspector observed that the contractors were competent and knowledgeable of track conditions.								Remedial Action Required?					Yes
Description	Other (ROCO (SCAD Inspec	• • Nota C) issu () A), a ctor a	was out at TRST 1000 able Observued a Code nd ordered	, 3.1.2 box J- , 3.1.2 vation 34, Lo all inst	2.5: At J -19. 2.5: At J os: At 10 oss of S spectio ew exit	1 576+9(1 584+9(052 hour upervisor n person ed throu;), an Eme), an ETS s, the Rai ry Control nel off th gh the em		ontrol Center uisition e FWSO		nended Ro	einspec	ction?		Yes
Remedial Action		•		ust re	pair th	e ETS ligh	nt at J1 57	6+90, box J-19 4+90, box J-21							

Agency/Department Information

Federal Transit Administration

Increation Data	YYYY	MM	DD	Bonort Number	20171128-W			
Inspection Date	2017	11	28	Report Number	20171128-001	VIATA-JI	IVI-T	
Rail Agency Name	Washington Metropolitan Area Authority			Rail Agency Department	RTRA	Sub- Dep	partment	
	Name			Email	Office Phon	ione I		/lobile Phone
Rail Agency Department								
Contact Information		_						
Inspection Location	F- and K-Line	es, L'Enfant Pla	iza (F03) to V	enna (K08)				
nspection Summary								

Inspection Activity # 2 3 5 1 4 6 **Activity Code RTRA-RI-OBS Inspection Units** 1 **Inspection Subunits** 1 **Defects** (Number) 12 **Recommended Finding** No No **Remedial Action Required¹ Recommended Reinspection** Yes

Activity Summaries

Inspection Activity #	1	Inspection Su	oject	Operate	or Obse	rvation			Activity Co	ode	RT	RA	RI	OBS
Job Briefing Employee Name/Title	N/A				Accor Inspe	mpanied ctor?	No	Out Brief Conducted	No	Time	191 205		Outside Shift	N/A
Related Reports	Safety	Directive 15-1			Related CAPS / Findings CAPs R-2-18-A			A and R-2-19)-A		·			
	Ref			Rule or S	OP	Standard			Other / T	ïtle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH	1		SOP										
Standards, or other	1.12, 3	.87.1, 3.122,		40.5.1.5	.2									
	Main Track	Yard	Stat	tion (DCC	RTA Facility	FTA Office		At-grade	e Tui	nnel	Ele	vated	N/A
Inspection Location	х)	x				Track Type	x		Х	х		
ling(a)	D- and	Track		Tracks	1	Chain Ma	rker		From				То	
Line(s)	K-Line:	s Numb	er	and 2		and/or St	ation(s)	L'Enfant Plaza	a (D03)		Vienr	na (K08	3)	
	Head	Car Number		Number of	of Cars									
Vehicles		, 7086, 7011, 106, 3086		8,8,8,	6,6	Equip	ment	N/A						
					•	0	•	ginning on the	Number	of Defect	s			12
Description		ine at L'Enfan The FWSO Ins		. ,		. ,	ack to L'Enfa	ant Plaza	Recomm	ended Fi	nding?			No
	(003).		Jector	i oue ill ti	ie cau le	cau tai.			Remedia	l Action F	Require	ed?		No

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

sajjielene ana ejjeeener		
Inspector in Charge - Signature		JOHN PHILI
Inspector in Charge – Name John Mayser	Inspection Team John Mayser	

Digitally signed by OrDette UP MAYSER Disc = US, 0=U.S. Government, ou=FRA FRAVancouverWA, ou=DOT FRAVancouverWA, cn=JOHN PHILIP MAYSER Date: 2017.12.11 11:00:27 -08'00'

Form FTA-IR-1 Version date: 8/26/16



	Lead Car 7444: An FWSO Inspector observed the train with lead car 7444 from 1912 – 1935 hours, track 2, operating from L'Enfant Plaza (D03) to Ballston (K04). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.	
	Lead Car 7086: An FWSO Inspector observed train with lead car 7086 from 1937 – 1957 hours, tracks 1 and 2, operating from Ballston (K04) to Vienna (K08).	
	Lead Car 7011: An FWSO Inspector observed train with lead car 7011 from 2014 – 2043 hours, track 1, operating from Vienna (K08) to Clarendon (K02). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.	
	Lead Car 5106: An FWSO Inspector observed train with lead car 5106 from 2046 – 2059 hours, track 1, operating from Clarendon (K02) to Farragut West (C03).	
	Lead Car 3086: An FWSO Inspector observed train with lead car 3086 from 2109 – 2116 hours, track 1, operating from Farragut West (CO3) to L'Enfant Plaza (DO3).	
	 The following non-color-coded defects were observed: MSRPH, 1.12: Operators of trains with lead cars 7444, 7086, 7011, 5106 and 3086 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, SOP 40.5.1.5.2: Operators of trains with lead cars 7444, 7086, 7011, 5106 and 3086 did not comply with the rule that states in part: "look at the doors on the platform side of the train to observe any activity in front of the doors, with your hands to your side for five (5) seconds, before reaching up to touch the manual door opening button". Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.87.1: Operator of train with lead car 7011 did not sound the horn approaching the tunnel opening on track 1 at Dunn Loring (K07). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-19-A. MSRPH, 3.122: Operator of train with lead car 7086 did not sound its horn in a series of short blasts when operating against the normal direction arriving and berthing into Vienna (K08) station on track 1. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	
	FWSO Inspector observed poor radio fidelity and frequently	
	encountered radio reception dead zones.	
Remedial Action	N/A	



Agency/Department Information

Federal Transit Administration

Increation Date	YYYY	MM	DD	Report Number		20171129-WMATA-AG-1				
Inspection Date	2017	11	29	Report Number	20171129-001	VIATA-A	G-1			
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	Sub- Department			
	1	Name		Email	Office Phon	e	N	Iobile Phone		
Rail Agency Department Contact Information		 								
Inspection Location	C- and J-Line	s, Track 1; J1 5	584+90 to Van I	Dorn Street (J02); and K	and King Street (C13) to Huntington (C15)					

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	ction Subj	ect	Job Safe	ety Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	6036				Accor Inspe	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	0700 1400		Outside Shift	Yes
Related Reports	N/A					Related CAPS / Findings N/A			N/A						
	Ref				Rule or S	OP		Standard	d Other / Title			Che		cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	N													
Standards, or other															
In an article I and in a	Mai Trac		Yard	Stati	ion C	осс	RTA Facility	FTA Office	Tuesda Taura	At-grad	e Tui	Tunnel		evated	N/A
Inspection Location			х	х					Track Type	x				х	
Line(s)	C- an	d	Track		N/A		Chain Ma	rker		From				То	
Line(s)	J-Line	S	Numbe	er	N/A		and/or St	ation(s)	Alexandria Ya	rd (C99), Tr	ailer 1	Alexa	ndria	Yard (C99),	Trailer 1
	Hea	d Car N	lumber	I	Number o	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.12.01 07:22:20 -05'00'	Date rthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Lee Emard		



	TRST unit 6036 conducted a job safety briefing at Alexandria Yard (C99), trailer 1.	Number of Defects	0
	The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements. It included the safety rule of the day, hot spots, ID and	Recommended Finding?	No
Description	personal protective equipment (PPE) verification, type of protection, hazards, and	Remedial Action Required?	No
	hospital location.	Recommended Reinspection?	No
	The FWSO Inspectors did not note any defects.		
Remedial Action	N/A		

Inspection Activity #	2	Insp	pection Sub	ject	Track	Walker	Observation	1		Activity C	ode	TF	ĸĸ	WI	OBS	
Job Briefing Employee Name/Title	TRST	6036	5				ompanied ector?	Yes	Out Brief Conducted	Yes	Time		-	Outside Shift	Yes	
Related Reports	2017	0906	-WMATA-A	G-1		Rela	ted CAPS /	Findings	Remedial Act	ion ID #s: 1	594, 1592	2, 1590,	1588 and	d 1586		
	Ref				Rule o	r SOP		Standard		Other / -	Title	1400 92, 1590, 1588 Che Funnel K Van Dorn S Huntington		Checklist Reference		
Related Rules, SOPs, Standards, or Other	TRST	1000), rev. 6													
Standards, or Other																
Inspection Location	Ma Tra		Yard	Sta	tion	OCC	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Elevated		N/A	
	x		х)	×					х		х	х			
	(- an	Ч	Track				Chain Ma	rkor		From				То		
Line(s)	e(s) C- and Track J-Lines Number Head Car Number			er	Trac	k 1	Chain Ma and/or St		J1 584+90,			Van I	Dorn Stre	et (J02)		
								King Street (C	213)		Hunt	ington (C	:15)			
Vehicles	Hea	ad Ca	r Number		Numbe	r of Cars	Equip	mont	N/A							
venicies		N	/A		Ν	I/A	Equip	ment	N/A							
	An F۱	NSO I	Inspector o	bserv	ed WM	ATA cont	ractors perf	orm a track	inspection on	Number	of Defec	ts			4	
									d on track one	Recomm	nended Fi	inding?			Yes	
								 The FWSC and knowle 		Remedia	al Action	Require	ed?		Yes	
			litions.		mopeo		competent		abeasie of							
	The f	ollow	0				re observed		ation (ETS) light							
		-	was out.	,		1 000 00	, un Emerge									
		 TRST 1000, 3.1.2.5: At J1 686+00, the ETS light was out on track 1. 														
		•	TRST 1000), 9.27	.21 : Sw	itch rod a	#3 of switch	3A was loos	se at J1							
		684+50.														
Description		•), 13.3	8.15: At	C1 593+7	'0, the end t	third rail cov	er board was							
			missing.							Decomm			tion 2		Vac	
	The f	ollow	ving remed	ial act	tions w	ere verifi	ed as compl	lete:		Recomm	iended K	einspec	tion		Yes	
		•		Actio	n #1594	: At J1 63	82+00, the E	TS light was	repaired at							
		•	box J-33.	Actio	n #1502	• 11 63	27+00 the F	TS light was	repaired at							
		•	box J-37.	Actio	11 #1352	AL JI 0.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15 light was	repaired at							
		•	Remedial	Actio	n #1590	: At J1 63	89+00, the E	TS light was	repaired at							
			box J-37.				10.20 Jb . 5	TOUGH								
		•	box J-39.	Actio	n #1588	: At J1 64	10+20, the E	TS light was	repaired at							
		•		Actio	n #1586	: At J1 64	15+00, the E	TS light was	repaired at							
			box J-41.					0								
	To ac	hieve	e compliand	e wit	h WMA	TA's requ	irements:									
		•			•		nt at J1 665+									
Remedial Action		•			•		nt at J1 686+		94.00							
		•			•			ch 3A at J1 6 ^1 593+70	084+50.							
		•	WMATA n	nust r	epair th	ird rail er	nd cover at C	21 593+70.								



Agency/Department Information

Federal Transit Administration

Increation Data	YYYY	MM	DD	Poport Number	20171120 \\/\		C 2	
Inspection Date	2017	11	29	Report Number	20171129-WN	VIATA-AU	G-2	
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Depa	artment	τκιν
	1	Name		Email	Office Phone	ice Phone Mobile		
Rail Agency Department Contact Information		 						
Inspection Location	C-Line, Track	2, King Street	(C13) to Crysta	l City (C09)				

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TR	К	JSB	OBS
Job Briefing Employee Name/Title	TRST	RST 6369				Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes
Related Reports	N/A						ed CAPS /	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	ïtle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	Μ													
Standards, or Other															
	Mai Trac		Yard	Stati	on C	осс	RTA Facility	FTA Office	Tuesda Taura	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location				х				Track Type							
Line(a)	Clin	•	Track				Chain Ma	rker		From		То			
Line(s)	C-Lin	е	Numbe	r	N/A ar		and/or St	ation(s)	King Street (C	(C13) Ki			King Street (C13)		
	Hea	d Car N	umber	1	Number c	of Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVAND DN: c=US, o=U.S. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 12:15:37 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Brian Altiero, Alexander Nepa		



	TRST Unit 6369 conducted a job safety briefing at the King Street (C13) station	Number of Defects	0
Description	platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots,	Recommended Finding?	No
	ID and personal protective equipment (PPE) verification, type of protection,	Remedial Action Required?	No
Description	hazards, and hospital location.		
	The FWSO Inspectors did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2 I	nspection Sul	bject	Track	Walking	Observatio	n		Activity C	ode	TR	K	WI	OBS	
Job Briefing Employee Name/Title	TRST 63	369				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes	
Related Reports	N/A				Relat	ted CAPS /	Findings	N/A							
	Ref			Rule or	SOP		Standard		Other / -	Гitle		Check	list Refere	ence	
Related Rules, SOPs, Standards, or Other	TRST-10	XST-1000, rev. 6													
oranidarido, or oranei															
inspection Location	Main Track	Yard	Stat	tion	осс	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Eleva	ated	N/A	
	х		>	<				паск туре	x		х	х			
Line(s)	C Line	Track		Track	2	Chain Ma			From				То		
Line(3)	CEIIIC	Numb	ber	Thack	2	and/or St	ation(s)	King Street (213)		Cryst	al City (/ (C09)		
Vehicles	Head	Car Number		Number	of Cars	Fauin	ment	N/A							
Venicies		N/A		N/	A	Equip	incine								
		nspectors obs							Number	of Defec	ts			4	
		inspection on track 2 of the C-Line between King Street (C13) and Crystal City (C09). Inspectors also inspected track conditions. Both WMATA and contractor								nended Fi	nding?			Yes	
	. ,	personnel were observant and diligent during the inspection.								Action	Require	ed?		Yes	
Description	•	162 inche Black Con TRST 1000 observed lowing non-co TRST 1000 the 3B sw	0, Tabl s betw dition 0, Tabl at the olor-co 0, 13.5 itch at 0, 13.5	e 6-3: Fir yeen non e 13-6: [C10-42 : oded def .7: Missi C2 522+ .7: Missi	ve conse -defective signal at ects wer ng end a 65. ng end a	ecutive defe ve ties, wer e insulator u C2 359+60. re observed approach co	e observed a under end ap . Red conditi I: overboard wa	es, measuring at C2 521+00. oproach was ion. as observed at as observed at	Recomm	iended Ri	einspec	tion?		Yes	
Remedial Action	To achi • •	WMATA r WMATA r	nust re nust re nust re	eplace th eplace th eplace th	e missin e missin e defect	g end appro g end appro ive insulato				522+65.					



Federal Transit Administration

Form FTA-IR-1

Agency/Department Information

, Seney, Department morn	lation									
Increation Data	YYYY	MM	DD	Donort Number	20171129-WN		C			
Inspection Date	2017	11	29	Report Number	20171129-001	//ATA-AG-	ATA-AG-5			
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	CMNT	ment				
		Name		Email	Office Phone	e	Mobile Phone			
Rail Agency Department										
Contact Information	ict Information									
Inspection Location	West Falls Ch	urch Service a	and Inspection F	acility (K99)						
Inspection Summary										
Inspection Activity #	1		2	3	4	5		6		
Activity Code	VM-SI-	OBS								
Inspection Units	1									
Inspection Subunits	1									

Activity Summaries

Remedial Action Required¹

Recommended Reinspection

Defects (Number) Recommended Finding 0

No

No

No

Inspection Activity #	1	Inspection S	ubject	Shop	Observat	ions			Activity Co	de	VN	Л	SI	OBS
Job Briefing Employee Name/Title	N/A					mpanied ector?	No	Out Brief Conducted	Yes	Time	0700- 1000		Outside Shift	No
Related Reports	N/A				Relat	ted CAPS /	Findings	N/A						
	Ref			Rule or	SOP		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	Maint	Series enance Proce dated 6/9/20												
	Mai Trac	Yard	Sta	ation	OCC	RTA Facility	FTA Office		At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location						х		Track Type						х
1:00(0)	NI / A	Tra	:k	51/0		Chain Ma	irker		From			То		
Line(s)	N/A	Nur	nber	N/A		and/or S	tation(s)	N/A				N/A		
	Hea	d Car Numbe	•	Number	Number of Cars									
Vehicles		3138-3139 3130-3131		2	1	Equipment		N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 12:19:53 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Bill Hultsch		



	FWSO inspector observed WMATA car maintenance activities at the West Falls	Number of Defects	0
	Church Service and Inspection Facility (K99). The following activities were observed: 1. Task 30 Undercar Electrical 30.12.6 APS Ventilated Component Cleaning	Recommended Finding?	No
	and Inspection.	Remedial Action Required?	No
	2. General Lubrication for Tasks 20.13, 30.4, and 60.5 Couplers.		
	 Task 90 Door maintenance. Task 50.3 HVAC filter replacement. 		
	5. Task 60.1 Gear Box – Oil Level Check.		
Description	6. Task 60.32 Parking Brake Lubrication.		
	7. Task 90.2.2 Emergency External Door Release – EEDR maintenance.	Recommended Reinspection?	No
	All work was being performed safely and according to WMATA rules and procedures. FWSO inspector also observed that all WMATA personnel were wearing all required personal protective equipment (PPE).		
	The FWSO Inspector did not note any defects.		
Remedial Action	N/A	•	·



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171129-WMATA-AG-4						
inspection Date	2017	11	29	Report Number	20171123-10101717-740-4						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep					
	1	Name		Email	Office Phone		Mobile Phone				
Rail Agency Department Contact Information											
Inspection Location	Franconia-Springfield (J03) AC Switchboard Room										

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection S	ubject	Job Safe	ety Briefi	ng			Activity Co	ode	TF	o	JSB	OBS
Job Briefing Employee Name/Title	WMA.	TA Power Per	sonnel		Accom Inspec	panied tor?	Yes	Out Brief Conducted	Yes	Time	010 050		Outside Shift	Yes
Related Reports	N/A				Relate	d CAPS / I	Findings	N/A						
	Ref			Rule or S	OP		Standard		Other / T	Title		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	1												
Standards, or other														
	Mair Tracl	Yard	Stat	tion C	осс	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location			>	<				Track Type						х
Line(c)	J-Line	Trac	k	NI/A		Chain Ma	rker		From		То			
Line(s)	1-rine	Num	ber	IN/A	N/A and		ation(s)	Franconia-Spi	ringfield (JO	3)	Franc	onia-	Springfield	(JO3)
Malatata	Head	d Car Number		Number o	of Cars			N1 (A						
Vehicles		N/A	N/A Equip		Equip	Equipment N/A								

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWork cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 15:19:42 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



	perso	O personnel received a onnel. All personal prot	ective eq	uipment (PPE) and	roadway w	orker		of Defect ended Fir		0 No				
Description		ection (RWP) IDs were o est hospital, known haz				ered the			equired?		No			
	The I	FWSO Inspector did not note any defects. Recommended Reinspection? No												
Remedial Action	N/A													
											1			
Inspection Activity #	2	Inspection Subject	Correct	ive Maintenance			Activity Co	ode	TP	RM	OBS			
Job Briefing Employee Name/Title	WM	ATA Power Personnel		Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	0100- 0500	Outside Shift	Yes			

Related Reports	N/A				Relat	ed CAPS /	Findings	N/A						
	Ref			Rule or S	ОР		Standard		Other / Title	5		Checklis	st Refe	rence
Related Rules, SOPs, Standards, or Other	MSRPH													
Standards, or other														
Inconstion Location	tion Track X		tation OC		RTA Facility	FTA Office	Treak Ture	At-grade	Tu	nnel	Elevat	ted	N/A	
Inspection Location			х					Track Type						х
Line(s)	Llino	Track		NI/A		Chain Ma	rker	From				То		
Line(s)	J-Line N/A					and/or St	ation(s)	Franconia-Spri	ringfield (J03) Fran		onia-Springfield (J03)		l (JO3)	
Malifation -	Head Ca	r Number	Ν	Number o	of Cars									
Vehicles	N/A N/A					Equip	ment							
								ing corrective	Number of	Defect	ts			1
						• •	abinet to rec ntenance Op	tify incorrect	Recommen	ded Fi	nding?			Yes
								nnel racking	Remedial A	ction I	Require	ed?		Yes
Description	readings of	of the circuit	s that	monitor t	the stat	us of the b		er in the DTS						
	The follow •	 Recommended Reinspection? Yes Remote indicators in MOC were incorrectly showing the status of the bus tie-breaker in the AC switchboard room at Franconia Springfield (J03). 												
Remedial Action	To achieve •	e compliance WMATA m			•		issues at M	OC for the bus ti	e-breaker.				1	

Agency/Department Information

Federal Transit Administration

In an article Date	YYYY	MM	DD	Deneut Number	20171120 \		1			
Inspection Date	2017	11	30	Report Number	20171130-001	20171130-WMATA-AG-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST Sub- Department TKI					
	1	Name		Email	Office Phon	e	M	obile Phone		
Rail Agency Department Contact Information		•								
Inspection Location	C and J Junction (C97) and Alexandria Yard Lead (C98) Interlockings									

Inspection Form

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspec	tion Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TR	К	JSB	OBS	
Job Briefing Employee Name/Title	TRST	6142				Accon Inspec	npanied ctor?	Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes	
Related Reports	N/A					Relate	ed CAPS /	Findings	N/A	N/A						
	Ref				Rule or S	OP Standard			Other / Title			Che	cklist Refer	ence		
Related Rules, SOPs, Standards, or Other	RWPI	M														
Standards, or Other																
	Mai Trac		Yard	Stati	tion OCC		RTA Facility	FTA Office	Tue els Ture e	At-grad	e Tui	nnel	Ele	evated	N/A	
Inspection Location				х					Track Type							
line(a)	C Lin		Track		N1/A		Chain Ma	rker		From				То		
Line(s)	C-Lin	е	Numbe	r	N/A		and/or St	ation(s)	King Street (C	:13)		King Street (C13)				
	Hea	d Car N	umber	1	Number o	of Cars										
Vehicles		N/A			N/A		Equip	ment	N/A							

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDC DN: c=US, 0=US. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 15:26:31 -05'00'	Date orthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Brian Altiero, Alexander Nepa		



	TRST Unit 6142 conducted a job safety briefing at the King Street (C13) station	Number of Defects	0
Description	platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots,	Recommended Finding?	No
	ID and personal protective equipment (PPE) verification, type of protection,	Remedial Action Required?	No
Description	hazards, and hospital location.		
	The FWSO Inspectors did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Insp	pection Sub	oject	Trac	k Walkin	g Observatio	n		Activity Co	de	TR	K	WI	OBS
Job Briefing Employee Name/Title	TRST	6142					ompanied pector?	Yes	Out Brief Conducted	Yes	Time	2200 0600		Outside Shift	Yes
Related Reports	N/A					Rel	ated CAPS /	Findings	N/A						
	Ref				Rule	or SOP		Standard		Other / T	itle		Check	list Refe	ence
Related Rules, SOPs, Standards, or Other	TRST	-1000), rev. 6												
orandaras, or orner															
inspection Location	Mai Trac		Yard	Sta	tion	осс	RTA Facility	FTA Office	Track Type	At-grade	e Tu	nnel	Elev	ated	N/A
	X X X								х						
Line(s)	C- an Lines		Track Numb		Tra	cks 1				From		Alova	undria V	To	(COR)
							-	441011(0)	C and J Junct	1011 (C97)		Alexa		ard Lead	s (C98)
Vehicles	Head Car Number of Cars Equipment N/A														
	FWS0	N/A N/A												6	
	switch inspection at the C and L Junction (C97) and Alexandria Yard Lead (C98)											Yes			
			0				r personnel v g on-track-p		int and	Remedia			4?	Yes	
Description		 The following non-color-coded defects were observed: TRST 1000, 9.28: Three consecutive loose guard rail bolts were observed at the C97 number three switch at C2 571+55. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 7A on the outbound yard lead track adjacent to 12 540+50. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 5A on the outbound yard lead track adjacent to 12 539+50. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 1B on the outbound yard lead track adjacent to 12 538+50. See figures 1 and 2 below. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 1B on the outbound yard lead track adjacent to 12 538+50. See figures 1 and 2 below. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 1A at 12 536+76. TRST 1000, 9.10: The number three and four switch rods were observed to be loose and out-of-adjustment allowing a gap between the switch point and stock rail at C98 switch number 5B on the 												Yes	
Remedial Action	To ac	•	WMATA n track adja	nust ro nust a cent t nust a	eplace djust a o J2 54 djust a	or tighte nd tighte 0+50. nd tighte	n the loose g n the numbe	r three and	ts at the C97 n four switch rod four switch rod	s at C98 nun	nber 7A s	switch c	on the o		



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

Photos



Figures 1 and 2: 5/8 inch gap between switch point and stock rail at the C98 1B switch on the outbound yard lead track adjacent to J2 538+50.



Federal Transit Administration

Agency/Department Inform	hation									
Inspection Date	YYYY	MM	DD	Report Number	20171120 \//					
inspection Date	2017	11	30	Report Number	20171130-WMATA-AG-2					
Rail Agency Name	Washington Authority	Metropolitan /	Area Transit	Rail Agency Department	CMNT					
	I	Name		Email	Office Phon	e M	Aobile Phone			
Rail Agency Department Contact Information		I								
Inspection Location	West Falls Ch	nurch Service a	ind Inspection Fa	acility (K99)						
Inspection Summary										
Inspection Activity #	1		2	3	4	5	6			
Activity Code	VM-SI-	OBS								
Inspection Units	1									
Inspection Subunits	1									

Activity Summaries

Remedial Action Required¹

Recommended Reinspection

Defects (Number) Recommended Finding 0

No

No

No

Inspection Activity #	1	Inspec	ction Subj	ect	Shop C	bservat	ions			Activity Co	de	VN	1	SI	OBS	
Job Briefing Employee Name/Title	N/A					Accompanied No No			Out Brief Conducted	Yes	Time	0630- 1000		Outside Shift	No	
Related Reports	N/A					Related CAPS / Findings N/A				/A						
	Ref				Rule or	SOP	SOP Standard			Other / T	ïtle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	2K/3K Series Maintenance Procedures Rev 1 dated 6/9/2017															
	Mai Trac		Yard	Stat	ion	осс	RTA Facility	FTA Office		At-grad	e Tu	nnel	Ele	evated	N/A	
Inspection Location							х		Track Type						х	
			Track				Chain Ma	rker		From				То		
Line(s)	N/A		Numbe	er	N/A		and/or St	ation(s)	N/A			N/A				
	Hea	ad Car N	lumber		Number	of Cars										
		7040-70	041													
Vehicles 3090-3091 3034-3035			8		Equip	ment	N/A									
	3130-3131															

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.5. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 16:44:30 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Bill Hultsch		



	FWSO inspector observed WMATA car maintenance activities at the West Falls	Number of Defects	0
	Church Service and Inspection Facility (K99). The following activities were observed: 1. Review calibration of Asset #626523 Wheel Gauge, calibration due	Recommended Finding?	No
	6/21/18.	Remedial Action Required?	No
Description	 Task 80 Air Springs and Carbody Height Checks on rail vehicles 3034- 3035. Task 30 Undercar Electrical 30.12.6 APS Inspection. General Lubrication for Tasks 20.13, 30.4, and 60.5 Couplers. Task 90 Door maintenance. Task 60.1 Gear Box – Oil Level Check. Task 60.32 Parking Brake Lubrication. All work was being performed safely and according to WMATA rules and procedures. FWSO inspector also observed that all WMATA personnel were wearing all required personal protective equipment (PPE). Other Notable Observation: Inspector observed WMATA contractor installing permanent scaffolding for roof work on 7000 Series cars on track 20 East. The FWSO Inspector did not note any defects.	Recommended Reinspection?	No
Remedial Action	N/A	·	



Agency/Department Information

Federal Transit Administration

Inspection Date	YYYY	MM	DD	Report Number	20171130-WMATA-AG-3				
inspection Date	2017	11	30	Report Number	20171130-001		0-3		
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment		
	1	Name		Email	Office Phone	е	N	1obile Phone	
Rail Agency Department Contact Information									
Inspection Location	Franconia-Springfield (J03) – AC Switchboard Room								

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection	Subjec	t	Job Safe	ty Brief	ing			Activity Co	ode	TF	0	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA Power P	ersonne	nel			panied	Yes	Out Brief Conducted	Yes	Time	010 050	-	Outside Shift	Yes
Related Reports	N/A					Relate	d CAPS / F	indings	N/A						
	Ref			F	Rule or S	ОР		Standard		Other / T	Title		Che	cklist Refer	rence
Related Rules, SOPs, Standards, or Other	RWPN	Λ													
Standards, or other															
	Mair Tracl	Yard	I S	tatio	on O	CC	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location				Х					Track Type						х
Line(c)	J-Line	Tr	ack		Chain Ma		Chain Mai	rker		From		То			
Line(s)	1-rine	N	mber		N/A	and/or Station(s) F		Franconia-Spr	ringfield (JO	3)	Franc	onia-	Springfield	(JO3)	
Male and a	Head	d Car Numb	er	N	umber o			N1 (A							
Vehicles		N/A			N/A		Equip	ment	N/A						

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.12.05 15:40:43 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



									Number	of Defect	ts			0	
					•				Recomm	ended Fi	nding?			No	
nearest hospital, known hazards, and safety rule of the day.										l Action I	Require	ed?		No	
The FWSO Inspector did not note any defects.												No			
N/A	•														
2 In	spaction Suk	aioct	Corro	ctivo Ma	intor	22200			Activity Co	do	т	D	DM	OBS	
2 11.	spection 5ur	Jeer	cone						Activity C	Jue					
WMATA	Power Perso	onnel					Yes	Out Brief Conducted	Yes	Time			Outside Shift	Yes	
2017112	9-WMATA-A	G-4		Rela	ted C	CAPS / I	Findings	N/A	-						
Ref			Rule or	SOP			Standard		Other / T	ïtle		Check	list Refe	erence	
MSRPH															
Main							ETA								
Track	Yard	Stat	tion	OCC			Office		At-grade	e Tu	nnel	Elev	ated	N/A	
)	ĸ					Track Type						х	
Lline	Track		N1/A		Cha	ain Ma	rker		From			1	То		
J-LINE	Numb	er	N/A		and	d/or St	ation(s)	Franconia-Spi	ringfield (J03) Franconia-Spr				ringfield	(103)	
Head C	ar Number		Numbe	r of Cars		Fauin	mont								
l	N/A		N,	/A		Lquip	inent								
	•			•		•			Number	of Defect	ts			0	
									Recomm	ended Fi	nding?			No	
		• •							Remedia	Action I	Require	ed?		No	
The FWSO inspector observed WMATA power personnel perform a bus tie- breaker test which closes the bus tie-breaker and thus changes the status of the breaker from "open" to "closed". Voltage readings were taken on the circuits in the DTS cabinet that correlate to the status of "open" or "closed" for the bus tie- breaker before and after closing the breaker. These circuits transmit the signal to MOC's remote status indicators. All voltage readings were correct in the DTS cabinet, but MOC's remote indications were still incorrect. ATC supplies the 28 VDC needed for the circuits in the DTS cabinet that allows MOC to monitor the status of the breakers in the AC SWBD Room. ATC personnel troubleshooted the problem and found a bad card (circuit board) in the ATC room.									No						
	personne protectio nearest h N/A 2 In: 2 In: 2017112 Ref MSRPH 2 2017112 Ref MSRPH In: 7 Main Track In: 8 MSRPH In: 7 Na Na Na Na Na Na Na Na Na Na Na Na Na	personnel. All person protection (RWP) IDs nearest hospital, kno The FWSO Inspector N/A 2 Inspection Sult WMATA Power Person 20171129-WMATA-A Ref MSRPH 2 20171129-WMATA-A Ref MSRPH I Sult Main Track MSRPH I I I I I I I I I I I I I I I I I I I	personnel. All personal pro protection (RWP) IDs were nearest hospital, known haThe FWSO Inspector did no N/A2Inspection Subject2Inspection SubjectWMATA Power Personnel20171129-WMATA-AG-4RefImspection SubjectMain TrackYardStarStarJ-LineTrack N/AHead Car NumberJon Transmission System (DTS) the bus tie-breaker at Main The FWSO Inspector observed breaker test which closes to breaker test which closes to breaker test which closes to breaker from "open" to "cl the DTS cabinet that correl breaker before and after cl MOC's remote status indice cabinet, but MOC's remote status of the breakers in th	personnel. All personal protective e protection (RWP) IDs were checked nearest hospital, known hazards, au The FWSO Inspector did not note a N/A $ \begin{array}{c c c c c c c } \hline \hline 2 Inspection Subject Correct WMATA Power Personnel \begin{array}{c c c c c } \hline 2 Inspection Subject Correct WMATA Power Personnel \\ \hline 2 20171129-WMATA-AG-4 \\ \hline Ref Ref Ref Rule or MSRPH \begin{array}{c c c c c } \hline 2 Inspection Subject Correct \hline 2 Inspection Correct \hline 2 Inspection Correct \hline 2 Inspection Subject Correct \hline 2 Inspection $	personnel. All personal protective equipme protection (RWP) IDs were checked. WMAT nearest hospital, known hazards, and safet The FWSO Inspector did not note any defe N/AThe FWSO Inspector did not note any defe N/AQInspection SubjectCorrective Mat According Insp2Inspection SubjectCorrective MatWMATA Power PersonnelRefaRefaRefRule or SOPRefaMain TrackYardStationMSRPHStationOCCJ-LineTrack N/AN/AHead Car NumberNumber or Cars N/AThe FWSO Inspector observed WMATA's po Control (ATC) personnel performing correct Transmission System (DTS) cabinet to rectifi the bus tie-breaker at Maintenance Operate The FWSO inspector observed WMATA pow breaker test which closes the bus tie-breaked breaker from "open" to "closed". Voltage or the DTS cabinet that correlate to the status breaker from "open" to "closed". Voltage or the DTS cabinet that correlate to the status breaker before and after closing the breaked MOC's remote status indicators. All voltage cabinet, but MOC's remote indications wer VDC needed for the circuits in the DTS cabin status of the breakers in the AC SWBD Room	personnel. All personal protective equipment (P protection (RWP) IDs were checked. WMATA por nearest hospital, known hazards, and safety rule The FWSO Inspector did not note any defects. N/A 2 Inspection Subject Corrective Mainteen WMATA Power Personnel Accompaninspector 20171129-WMATA-AG-4 Related G Ref Rule or SOP Main Track Yard Station OCCC Fa Min Track Yard Station OCCC Fa J-Line Track Number N/A Ch The FWSO Inspector observed WMATA's power Control (ATC) personnel performing corrective r Transmission System (DTS) cabinet to rectify inc the bus tie-breaker at Maintenance Operations The FWSO inspector observed WMATA's power por breaker from "open" to "closed". Voltage readi the DTS cabinet that correlate to the status of "di breaker from "open" to "closed". Voltage readi the DTS cabinet that correlate to the status of "di breaker before and after closing the breaker. Th MOC's remote status indicators. All voltage readi the DTS cabinet that correlate to the status of "di breaker before and after closing the breaker. Th MOC's remote status indicators. All voltage readi the DTS cabinet that correlate to the status of "di breaker before and after closing the breaker. Th MOC's remote status indicators. All voltage readi the DTS cabinet that correlate to the status of "di breaker before and after closing the breaker. Th </td <td>personnel. All personal protective equipment (PPE) and protection (RWP) IDs were checked. WMATA power per nearest hospital, known hazards, and safety rule of the The FWSO Inspector did not note any defects. 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Remedial Action

N/A



Agency/Department Information

Federal Transit Administration

Increation Date	YYYY	MM	DD	Depart Number	20171130-WMATA-JM-1				
Inspection Date	2017	11	30	Report Number	20171130-000	VIATA-JI	IVI-T		
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	RTRA	Sub- Dep	partment		
		Name		Email	Office Phone	е	Ν	/lobile Phone	
Rail Agency Department									
Contact Information									
Increation I continu									
Inspection Location									
Inspection Location D- and N-Lines, L'Enfant Plaza (D03) to Wiehle-Reston East (N06) Inspection Summary									

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

Activity Summaries

Inspection Activity #	1	Inspection Su	bject	Operate	or Obse	rvation			Activity Co	ode	RT	RA	RI	OBS
Job Briefing Employee Name/Title	N/A					mpanied ector?	No	Out Brief Conducted	No	Time	191 205		Outside Shift	N/A
Related Reports	Safety	Directive 15-1			Relat	ed CAPS /	Findings	CAPs R-2-18-	A and R-2-19)-A		·		
	Ref			Rule or S	OP		Standard		Other / T	ïtle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPF	1		SOP										
Standards, or other	1.12, 3	.87.1		40.5.1.5	.2									
	Main Track	Yard	Sta	tion 0	DCC	RTA Facility	FTA Office		At-grade Tur		nnel Ele		vated	N/A
Inspection Location	х			x				Track Type	х		Х		х	
Lino(a)	D- and	Track		Tracks	1	Chain Marker			From			То		
Line(s)	N-Lines	s Numl	ber	and 2		and/or St	ation(s)	L'Enfant Plaza	a (D03)		Wieh	Wiehle-Reston East (N06)		
	Head	Car Number		Number of	of Cars									
Vehicles	5175,	, 7046, 7016, 7392		8,8,8,8 Equipme			ment	ent N/A						
			or performed four day-time riding inspections beginning on th						Number	of Defect	s			9
Description				. ,	(D03) to Wiehle-Reston East (N06) and back to VSO Inspector rode in the cab lead car.					Recommended Finding?				No
	L'Elliai	it Flaza (DUS).	ine r	woo inspe		ue in the t	ab ieau tal.		Remedia	l Action F	Require	ed?		No

Inspector in Charge - Signature		JOHN PHILIP MAYSER Digitally signed by JOHDATEP MAYSER DN: C=US, 0=U.S. Government, 0u=FRA FRAVancouverWA, 0u=DOT FRAVancouverWA, Cn=JOHN PHILIP MAYSER Date: 2017.12.11 10:58:31 -08:00'
Inspector in Charge – Name John Mayser	Inspection Team John Mayser	



	Lead Car 5175: An FWSO Inspector observed the train with lead car 5175 from 1352 – 1413 hours, track 2, operating from L'Enfant Plaza (D03) to Clarendon (K02). The train operator properly responded to the loss of speed commands and obtained Permissive Blocks, as necessary.	
	Lead Car 7046: An FWSO Inspector observed train with lead car 7046 from 1424 – 1456 hours, track 2, operating from Clarendon (K02) to Wiehle-Reston (N06).	
	Lead Car 7016: An FWSO Inspector observed train with lead car 7016 from 1500 – 1532 hours, track 1, operating from Wiehle-Reston (N06) to Clarendon (K02).	
	Lead Car 7392: An FWSO Inspector observed train with lead car 7392 from 1545 – 1606 hours, track 1, operating from Clarendon (K02) to L'Enfant Plaza (D03).	
	 The following non-color-coded defects were observed: MSRPH, 1.12: Operators of trains with lead cars 5175, 7046, 7016, and 7392 did not have their copy of the MSRPH, Permanent Orders and Temporary Orders in their possession. Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, SOP 40.5.1.5.2: Operators of trains with lead cars 5175, 7046, 7016, and 7392 did not comply with the rule that states in part: "look at the doors on the platform side of the train to observe any activity in front of the doors, with your hands to your side for five (5) seconds, before reaching up to touch the manual door opening button". Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. MSRPH, 3.87.1: Operator of train with lead car 7016 did not sound the horn approaching the tunnel opening on track 1 at Tysons Corner (N02). Remedial action for this defect is addressed in WMATA's approach to CAPs R-2-18-A and R-2-19-A. 	
	Other Notable Observations:	
	 FWSO Inspector observed poor radio fidelity and frequently encountered radio reception dead zones. The train with lead car 7046 from 1424 – 1456 hours, track 2, operating from Clarendon (KO2) to Wiehle-Reston (NO6) displayed 75-75 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. The train with lead car 7016 from 1424 – 1456 hours, track 2, operating from Clarendon (KO2) to Wiehle-Reston (NO6) displayed 75-75 and 65-65 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. The train with lead car 7016 from 1424 – 1456 hours, track 2, operating from Clarendon (KO2) to Wiehle-Reston (NO6) displayed 75-75 and 65-65 speed commands. The train Operator informed the FWSO Inspector that per MSRPH 3.84, train operators are not allowed to exceed 59 mph during operations. The lead car 7046 had forward facing leaking door seals that permitted extremely loud air to whistle through the seals to a sound level that drowned out the train radio. Clear radio communication were not observed with train speed in excess of 40-mph. Train operator of lead car 5175 exhibited excellent train handling skill. 	
Demodial Astron		
Remedial Action	N/A	