

FOIA Exemption: All (b)(6)

Form FTA-IR-1



United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170803-WMATA-AG-1						
	2017	08	03								
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment	СМ			
	1	Name		Email	Office Phone	e	N	Nobile Phone			
Rail Agency Department Contact Information											
Contact information											
Inspection Location	L'Enfant Plaz	L'Enfant Plaza (D03) Alternating Current (AC) Switchboard Room #2									

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Insp	ection Sub	ject	L'Enfan	t Plaza	(D03) – Saf	ety Briefing		Activity Co	ode	TF	p	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA Po	ower Persoi	nnel			mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0100 0500		Outside Shift	No
Related Reports	N/A					Relat	ed CAPS /	Findings	N/A						
	Ref				Rule or S	ОР		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	M													
Standards, or other	MSRI	PH													
Increation I costion	Mai Trad		Yard	Stat	ion (	осс	RTA Facility	ity Office		At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location				Х					Track Type						Х
Lino(s)	D-Lin	•	Track		N/A		Chain Ma	rker		From	·			То	
Line(s)	D-LIII	e	Numbe	er	IN/A		and/or St	ation(s)	N/A			N/A			
	Hea	ad Car	r Number		Number o	of Cars									
Vehicles		N,	/A		N/A		Equip	ment	N/A						
		•			•	•	_	WMATA po		Number	of Defect	s			0
Description			All persona (RWP) IDs						Recomm	ended Fi	nding?			No	

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.09 14:54:19 -05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		





nearest hospital and safety rule of the day. The potential safety hazards were discussed.	
The FWSO Inspector did not note any defects.	

Inspection Activity #	2 1	nspection Su	bject		t Plaza (D03 ive Mainter	,	AC Switchgear	Activity Co	ode	TP	•	RM	OBS
Job Briefing Employee Name/Title	WMATA	A Power Perso	onnel	Accom		Yes	Out Brief Conducted	Yes	Time	0100- 0500		Outside Shift	No
Related Reports	N/A			Related	CAPS / Fin	dings	N/A						
	Ref			Rule or	SOP	Standard		Other / 1	itle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	MSRPH												
Standards, or Other													
Inspection Location	Main Track	Yard	Station	осс	CC RTA FTA Facility Office Track Type			At-grad	e Tu	nnel	Elev	ated	N/A
mspection Location			Х				паск туре						Х
Line(s)	D-Line	Track	Number	N/A Chain Marker				From				То	
2(3)	D Line	Truck	- Tuniber	14,71	and/or St	ation(s)	AC Switchboa	ırd Room #2	!	AC Sw	vitchbo	ard Room	ı #2
Vehicles	Head	Car Number	Numb	er of Cars	Equip	mont	13.8 kV AC Sv	vitchgoor					
verificies		N/A		N/A	Equip	illelit	13.6 KV AC 3V	- Transcar					
		O Inspector o		•	•	•	•	Number		0			
		nance on the	_	•	, .		when racked	Recomm	ended Fi	nding?			No
		cubicle. The k				01 1 7		Remedia	l Action I	Require	d?		No
Description	adjusting the mechanical latch.  The FWSO Inspector and WMATA personnel did not note any defects during the replacement process.  Other Notable Observations:  Water was present in the cable trough under the Uninterruptible Power Supply (UPS).												
Remedial Action	N/A												



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170902 \	20170803-WMATA-AG-2					
inspection Date	2017	08	03	Report Number	20170003-WWATA-AG-2						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment	CBL. IN.			
	1	Name		Email	Office Phone	е	N	Nobile Phone			
Rail Agency Department Contact Information											
Contact information											
Inspection Location	Arlington Ce	metery (C06)	to Pentagon Cit	y (C08) - Track 1							

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspe	ction Sub	ject		Arlington Cemetery (C06) - Job Safety Briefing (Mobile Work Crew)			Activity Code		Т	Р	JSB	OBS		
Job Briefing Employee Name/Title	WMA	ATA RW	/IC				mpanied ector?	Yes	_	Out Brief Conducted	Yes	Time	100 14	00- 00	Outside Shift	No
Related Reports	2016	1109-W	/MATA-AI	D-2		Relat	ed CAPS / F	indings	R	Remedial Act	ion: 1023					
	Ref					Rule	or SOP	Standard			Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWP	М					02									
Standards, or Other	MSRI	PH			R-		-03									
Inspection Location	Mai Trad		Yard	Station	ation OCC		RTA Facility	FTA Office	т	rack Type	At-grad	e Tu	nnel	Ele	evated	N/A
,	Х									7,00	Х		X			
		·				Local	Clark A			From			То			
Line(s)	C-Lin	e	Track I	Number		track 1		Station(s)		N/A			N/	N/A		
	Hea	ad Car N	Number	Numb	er o	f Cars										
Vehicles		N/A	A		N/A		Equip	ment	Ν	N/A						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.09 14:55:17 -05'00'	<b>Date</b> thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo, Lee Emard		



in charge (RWIC). All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion.  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 (phone) that he was in
WMATA RWIC covered the nearest hospital and safety rule of the day. The hazards, clearance areas, and communication were used as part of the discussion.  In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18") calibrated working radio, air horn, and whistle.
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.
place (next station ahead in the direction the mobile crew walked). The flashing amber lantern /E-flare and orange flag had been positioned at the end of the platform (8 car marker or end gate). No exceptions were taken.  The following non-color-coded defects were observed: The WMATA RWIC was not in compliance with R-17-02 as two "hotspots" were listed in the 2017 Roadway Worker's Protection Manual (RWPM) for the portion of mainline track being walked. The WMATA RWIC stated no hotspots were present in the inspection area when the FWSO inspector asked during job safety briefing.  Foul time was not requested for the two "hotspots" listed below while traversing the track:  Portal – C1 218+00 to C1 225+00 (from C06 to C07).  No Clearance Zone – C1 242+00 to C1 251+00 (from C06 to C07).  Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1023.

Inspection Activity #	2 lı	spection Sub	ject		Walk	ing Observa	ition (Cable I	Ins	pection)	Activity Co	de	Т	Р	WI	OBS
Job Briefing Employee Name/Title	WMATA	RWIC				mpanied ector?	Yes		Out Brief Conducted	Yes	Time	_	00- 00	Outside Shift	No
Related Reports	N/A				Relat	ted CAPS / F	indings	1	N/A			•			
	Ref				Rule	or SOP	Standard			Other / T	ïtle		Che	cklist Refer	ence
	TRST 10	00													
Related Rules, SOPs,	DRAWIN	ON POWER DE NG (DD-TP-SSI N 0, AUGUST	-013,												
Standards, or Other	INSTRUCE EXPANS POWER SYSTEM	ERING MODIF CTIONS (EMI) ION, AND TRA CABLES REPLA WIDE (REVISI BER 16, 2016	FOR JUMPI ANSITION ACEMENT ON 2,	ĒR,											
	Main Track	Yard	Station	C	occ	RTA Facility	FTA Office			At-grade	e Tu	nnel	Ele	evated	N/A
Inspection Location	Х								Track Type	Х		Х			
Line(s)	C-Line	Track	Number		track	Chain N	/Jarker			From	,			То	
Lille(5)	C-LINE	ITACK	Number		1	and/or	Station(s)		Arlington C	Cemetery (CO	06)	Pe	ntago	n City (C08)	
Wahislas	Head	Car Number	Num	ber c	of Cars	Faulta		١,	N1 / A						
Vehicles		N/A		N/A	/A Equipment			"	N/A	/A					



	Daily cable inspections are part of the holistic approach WMATA has instituted to prevent cable fires and arcing incidents. The pictures taken and issues noted were	Number of Defects	13
	entered into a database for night time cable repair crews to fix.	Recommended Finding?	Yes
	Citered into a database for hight time caste repair crews to fix.	Remedial Action Required?	Yes
Description	The following new track defects were observed, and there were no color-coded conditions noted:  TRST 1000 Manual, 10.17.41: Six pieces of relay rail between catwalk and field side of rail allowing a trip/fall hazard at C1 251+00 to C1 255+00.  TRST 1000 Manual, 13.5.7: 3 <sup>rd</sup> rail cover board missing at C1 277+00.  TRST 1000 Manual, 3.2.2.4: Water leaking from tunnel ceiling onto 3 <sup>rd</sup> rail at C1 277+00.  TRST 1000 Manual, 7.7.1: Three bad fasteners in a row. Five out of six fasteners were bad within 120 inches at C1 278+00.  TRST 1000 Manual, 7.9.2.5: One anchor stud bolt exceeded the allowable three inches at C1 279+00.  TRST 1000 Manual, 7.9.2.5: One anchor stud bolt exceeded the allowable three inches at C1 279+00.  TRST 1000 Manual, 7.9.2.5: One anchor stud bolt exceeded the allowable three inches at C1 280+00.  TRST 1000 Manual, 13.5.7: 3 <sup>rd</sup> rail cover board missing at C1 290+00.  The following new traction power and cable defects were observed, and there were no color-coded conditions noted:  EMI for jumper, expansion, and transition power cable replacement systemwide: C1 265+00 – Temporary rope on cable to lift it off the ground needs removal and kindorf should be used. (See Figure 1.)  DD-TP-SSI-013: C1 267+00 – Feeder cable (pigtail) has temporary repair. (See Figure 2.)  DD-TP-SSI-013: C1 276+00 – Four conduit stub-ups missing OZ Gedney bushings and heat shrink. (See Figure 3.)  DD-TP-SSI-013: C1 270+00 – One conduit stub-up missing heat shrink.  DD-TP-SSI-013: C1 270+00 – One broken orange boot power connection assembly? (See Figure 4.)  DD-TP-SSI-013: C1 270+00 – Unused conduit not capped to prevent water infiltration.  Other Notable Observations:  C1 196+00 – Expansion cables lying on the ground.  C1 206+00 – Expansion cables lying on the ground.  C1 240+00 – Jumper cables lying on the ground and on the gauge side of the 3 <sup>rd</sup> rail. Trash and debris surrounding teader cables.  C1 265+00 – Trash and debris surrounding feeder cables.  C1 277+00 – Feeder cables lying on the ground.  C1 277+00 – Feede	Recommended Reinspection?	Yes
Remedial Action	To achieve compliance with WMATA's requirements:  WMATA must remove relay rail pieces at C1 251+00 to C1 255+00.  WMATA must replace cover board at C1 277+00.  WMATA must mitigate water intrusion from tunnel ceiling at C1 277+00.  WMATA must replace bad fasteners at C1 278+00.  WMATA must cut anchor stud bolt to allowable length at C1 279+00.  WMATA must cut anchor stud bolt to allowable length at C1 280+00.  WMATA must replace cover board at C1 290+00.  WMATA must install cable per EMI at C1 265+00.  WMATA must replace cable at C1 267+00.  WMATA must install OZ Gedney bushings and heat shrink on conduit stub-ups  WMATA must install heat shrink on conduit stub-up at C1 276+00.  WMATA must replace broken orange boot power connection assembly at C1 2  WMATA must cap unused conduit to prevent water infiltration at C1 290+00.		



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



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



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



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

FOIA Exemption: All (b)(6)

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United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170904 \A/N	10T0 0	G 1		
inspection bate	2017	08	04	Report Number	Number 20170804-WMATA-A		.G-1		
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department					
	Name				Email Office Phone Mobile Pho				
Rail Agency Department Contact Information									
Inspection Location	C-Line, track	C-Line, track 1, Rosslyn (C05) to C1 213+00							

### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspe	ection Subj	ject	Job S	afety Bri	efing	3			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	5168					ompa	anied or?	Yes	Out Brief Conducted	No	Time	100		Outside Shift	No
Related Reports	N/A					Rela	ited	CAPS / I	indings	N/A		•		·		
	Ref	Ref Rule or				r SOP			Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	1														
Standards, or other	MSRPI	Н														
	Mair Track		Yard	Stat	tion	осс		RTA acility	FTA Office	T	At-grade	e Tu	nnel	Ele	vated	N/A
Inspection Location	х									Track Type	Х		Х			
Lino(s)	C-Line		Track		trac	L 1	Ch	nain Ma	rker		From				То	
Line(s)	C-Line		Numbe	er	traci	ΚΙ	an	nd/or St	ation(s) Rosslyn (C05) C1 213+00							
Walifala.	Head	d Car N	Number		Numbe	er of Cars	;	<b>.</b>		21/2						
Vehicles		N/A	А		N	I/A		Equip	ment	N/A						
					-		_		e roadway w		Number	of Defect	ts			0
Danamintian	_	•	•				-	-	dway. The b	oriefing ng (TAW)), the	Recommended Finding?					No
Description										ety rule of the	Remedia	l Action I	Require	d?		No
											Recomm	ended Re	einspec	tion?		No

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.S. Government, ou=FRA FRAFtWorthT -ANTHONY GIOVANDO Date: 2017.08.09 15:07:52 -05'00'	Date X, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard, Mike Vitale		





	day, location of nearest hospital, a check of personal protective equipment (PPE) and roadway worker protection (RWP) ID.	
Remedial Action	N/A	

	N/A										_			_
Inspection Activity #	2	Inspection	n Subject	Rer	medial Act	ion Verificat	ion		Activity Co	de	TR	RK	WI	PI
Job Briefing Employee Name/Title	TRST 6	168				ompanied pector?	Yes	Out Brief Conducted	No	Time	100 130		Outside Shift	No
Related Reports	20170	809-WMA	TA-WP-2	A-WP-2 Related CAPS / Findings Remedial Actions: 1209, 1210						·		•		
	Ref			Rule	or SOP		Standard	ord Other / Title Checklist					ist Refer	rence
Related Rules, SOPs, Standards, or Other	TRST 1	000												
Standards, or Other	MSRPI	I												
Increation Location	Main Track	Yar	d St	ation	осс	RTA Facility	FTA Office	Tunak Tuma	At-grade	. Tu	nnel	Eleva	ted	N/A
Inspection Location	Х							Track Type	Х		Х			
1:(-)	Clina	Т	rack		-1-1	Chain Ma	rker		From	•		•	То	
Line(s)	C-Line	N	Number track 1 and/or Station(s) Rosslyn (C05) C1 213+00											
Vehicles	Head	Car Num	per	Numl	per of Car	S Equip	ment	N/A						
	FWSO	,	perform	ed a tra	•	tion on track	c 1 of the C-I	ine between	Number	of Dofoc	te			2
			•			nck condition			Recomm					Yes
	previo	usly-issued	d remedia	l actio	ns.				Remedia					Yes
	The fo	lowing no	n-color-	oded o	defects w	ere observed	l:		Keilleula	Action	require	cu:		Yes
		Ü												103
				•		ken third rai ken third rai								
Description	Other	Notable C	bservation	ons:										
	•	Interl Guide	_	C1 186	6+80 is no	t listed in the	2017 Roadv	way Access	Recomm	ended R	einspec	ction?		
	The fo	lowing re	medial a	ctions	were veri	ied as comp	lete:							
	•	been	repaired	at C1 1	74+50.	ency Trip Sta	` '							
	To ach					uirements:	een repaired	l at C1 213+00.						
Remedial Action	10 acii	WMA	TA must	repair t	hird rail a	nchor at C1								
		WMA	TA must	repair t	third rail a	nchor at C1	166+65.							

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Version date: 8/26/16 2



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### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Papart Number	2017090E W/N	10T0 0	.C 1		
inspection bate	2017	08	05	Report Number	Report Number 20170805-WMATA-AG-1		W-1		
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	partment	TPRO	
	ı	Name		Email	Office Phone	е	Mobile Phone		
Rail Agency Department									
Contact Information		ī		Į-					
Inspection Location	F-Line, track	1 and 2, betw	een Branch Ave	e (F11) and Naylor Road	(F09)				

### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspe	ection Sub	ject	Roadwa Briefing	•	ker Protect	ion (RWP) – J	lob Safety	Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title		Unit #6	6028 Unit #629	0			mpanied ector?	No	Out Brief Conducted	No	Time	080 123		Outside Shift	No
Related Reports	N/A					Rela	ted CAPS /	Findings	N/A						
	Ref				Rule or S	SOP		Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	RWP	М													
Standards) or other															
	Mai Trad		Yard	Statio	on (	эсс	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	Ele	vated	N/A
Inspection Location	Х			Х					Track Type	х					
Line/s)	F-Lin	_	Track		Track	1 and	Chain Ma	rker		From	-			То	
Line(s)	F-LIII	е	Numbe	er	2		and/or St	ation(s)	Branch Ave. (	F11)		Naylo	or Road	d (F09)	
	Hea	d Car I	Number	N	Number of Cars										
Vehicles		N/A	A		N/A	A	Equip	ment	N/A						
B dalla .			,			•		8 at Branch	_	Number	of Defect	s			0
Description	table (F11). The briefing was thorough and fully compliant with WMATA's  Recommended Finding?  No							No							

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.08.09 14:57:09 -05'00'	<b>Date</b> ITX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge - Name	Inspection Team		
Adam A. Giovando	Lee Emard		



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

	No excep	No exceptions were taken with the job safety briefing.												
Remedial Action	N/A													
Inspection Activity #	2 In:	spection Sub	ject	RWP Se	tup Ins	pection			Activity Co	ode	TF	RK	WI	PI
Job Briefing Employee Name/Title	TRST Uni RWIC, TR	t #6028 ST Unit #629	0			mpanied ector?	No	Out Brief Conducted	No	Time	080		Outside Shift	No
Related Reports	N/A				Relat	ed CAPS /	Findings	N/A						
	Ref			Rule or S	ОР		Standard		Other / T	itle		Check	list Refe	rence
Related Rules, SOPs, Standards, or Other	MSRPH													
	RWPM													
Inspection Location	Main Track	Yard Sta			OCC	RTA Facility	FTA Office	Track Type	At-grade	e Tu	nnel	Eleva	ated	N/A
	х								х		1			
Line(s)	F-Line	F-Line Track 1 and Chain Marker and/or Station(s) Branch Ave. (F							From F11)		Naylo	or Road	To (F09)	
	Head C	ar Number	N	lumber c	of Cars									
Vehicles		N/A		N/A		Equip	ment	N/A						
								afety Manager	Number	of Defect	ts			1
	to inspect roadway worker protection (RWP) setup for compliance with the Track							Recommended Finding?				Yes		
		· · · · · · · · · · · · · · · · · · ·						Remedial Action Required?				Yes		
Description	(F99). Th The FWS hours wh physical I hours, w tracks 1 a work equ a noncor WMATA Ave. Stat and to pr assured S passed. T  During th was com and reins also verif  The follo  Other No.	August 5, 2017 through August 19, 2017 between chain markers 549+00 and 407+20. All safety equipment was in place and operational at both ends of the work area. Mobile Command Center (MCC) was set up in the Branch Ave. Yard (F99). The Red Tag Numbers were: 2017217505A and 2017217502A.  The FWSO Inspector witnessed the physical barrier removed on track 1 at 0815 hours while waiting at the platform for an escort to arrive. (The removal of the physical barrier was done to allow work equipment into the work area.) At 0918 hours, when the FWSO Inspector completed the safety setup verification on tracks 1 and 2, the physical barrier had not yet been replaced, because additional work equipment had not come out of the yard. This situation left the work zone in a noncompliant state for over one hour. WMATA Safety Manager notified WMATA Supervisor #085 (who was working for a crew at the other end of Branch Ave. Station on the same track) stating he needed to assign a lookout for his crew, and to protect the work area. Supervisor #085 reinstalled after all the equipment passed. The FWSO verified the barrier reinstalled after all the equipment passed. The FWSO verified the barrier was reinstalled at 0934 hours.  Recommended Finding?  Remedial Action Required?  Remedial Action Required?  Remedial Action Required?  Remedial Action Required?										Yes		
Remedial Action	To achiev	ve compliand				irements: t at F1 413-	+20.							



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170808-WMATA-AG-1					
inspection Date	2017	08	08	Report Number	20170808-WWATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan <i>i</i>	Area Transit	Rail Agency Department	TRST	Sub- Dep				
	Name			Email	Office Phone	9	N	Nobile Phone		
Rail Agency Department Contact Information										
Contact Information										
Inspection Location	A-Line, track	2, Shady Grov	e (A15) to Rock	ville (A14)						

### **Inspection Summary**

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

#### **Activity Summaries**

Activity Summaries														
Inspection Activity #	1 In	spection Sub	ject	Job Safe	ety Brief	ing			Activity Co	de	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 622	5				Ves		Out Brief Conducted	No	Time	100		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A			N/A						
	Ref	ef Rule or SC			ОР		Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM	VPM												
Standards, or Other	MSRPH													
	Main Track	Yard	Stat	ation OCC		RTA Facility	FTA Office	T T	At-grade Tu		nnel	Ele	vated	N/A
Inspection Location	Х							Track Type	Х					
Lino(a)	A-Line	Track		track 2	Chain Marker				From				То	
Line(s)	A-LINE	Numb	er	track 2		and/or Sta	ation(s)	Shady Grove	e (A15) Rockville (A14)					
	Head C	ar Number		Number	of Cars									
Vehicles		N/A		N/A	١	Equip	ment	N/A						
		•		-	•	_	•	rker in charge	Number	of Defect	s			0
B	(RWIC) at Shady Grove (A15) prior to				entering	the roadw	ay.		Recomm	ended Fir	nding?			No
Description									Remedial Action Required			d?		No
									Recomm	ended Re	inspec	tion?		No

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: C=US, o=U.S. Government, ou=FRA FRAFtWorthT: ANTHONY GIOVANDO Date: 2017.08.14 11:19:56 -05'00'	Date X, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Bob Maniuszko, Mike Vitale		



	The briefing covered the type of on track protection (i.e., Train Approach Warning (TAW)), the working limits, where to clear, known hazards and hotspots, the safety rule of the day, location of nearest hospital, a check of personal protective	
	equipment (PPE), and roadway worker protection (RWP) ID.  The FWSO Inspector noted no defects.	
Remedial Action	N/A	

Remedial Action	N/A													
Inspection Activity #	2 Ir	spection Sub	ject	Remed	lial Actio	on Track Ins	pection Verif	ication	Activity Co	ode	TRK		WI	PI
Job Briefing Employee Name/Title	TRST 622	25	·			mpanied ector?	Yes	Out Brief Conducted	No	Time	100		Outside Shift	No
Related Reports	2016112	irective 15-1 9-WMATA-CF 2-WMATA-W 1-WMATA-AG	P-1		Rela	Related CAPS / Findings  CAPs: R-2-18-A Remedial Actio			•	A, R-2-19-A ions: 1020, 1161, 1378, 1379				
	Ref	Ref Rule or SOP					Standard	•	Other / T	itle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM	RWPM												
Standards, or Other	MSRPH	MSRPH												
Increasion I costion	Main Track	Yard	Statio	on	осс	RTA Facility	FTA Office	Tunak Tuna	At-grad	e Tu	nnel	Elev	ated	N/A
Inspection Location	Х							Track Type	x					
Line(s)	A-Line	Track Numb	er	track	2	Chain Ma and/or St		Shady Grove	From (A15)				To 4)	
Vehicles	Head (		ľ			Equip	ment	N/A					·	
Description	Head Car Number Number of Cars										Yes Yes Yes			
Remedial Action	To achie		e with \ ust rep	WMATA lace def	's requi	rements: nsulator at A ulator at A2							-1	



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	201700808-WMATA-AG-2					
inspection bate	2017	08	08	Report Number	201700000-WWATA-AG-2					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST Sub- Department TKIN			TKIN		
	ı	Name		Email	Office Phone	е	N	Nobile Phone		
Rail Agency Department Contact Information				le le						
Contact information		_								
Inspection Location	E- Line, tracks 1 and 2, Platform Inspection between Greenbelt (E10) and U Street (E03)									

#### **Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-WI-PI					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	2					
Recommended Finding	Yes					
Remedial Action Required <sup>1</sup>	Yes					
Recommended Reinspection	Yes					

### **Activity Summaries**

Inspection Activity #	1	Inspection Sub	ject	Platforr	n Inspec	tion			Activity Co	de	TR	K	WI	PI
Job Briefing Employee Name/Title	N/A				Accon	npanied ctor?	N/A	Out Brief Conducted	N/A	Time	100 140		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A									
	Ref	Ref Rule or S			ОР		Standard		Other / T	itle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	MSRP	MSRPH R-17-03												
Standards) of Strict	TRST :	1000												
Inspection Location	Mair Trac	Yard	Stati	on CCC L		RTA Facility	FTA Office	Track Type	At-grade	e Tui	nnel	Elev	ated	N/A
			Х						Х		Χ			
Line(s)	E-Line	Track		tracks	s 1 Chain Marker				From			То		
Line(s)	E-LIHE	Numb	er	and 2		and/or St	ation(s)	Greenbelt (E1	E10) U Street (E03)					
W. P. L.	Hea	d Car Number	1	Number o	of Cars			21/2						
Vehicles		N/A		N/A		Equip	ment	N/A						
		An FWSO team member performed			•			-	Number	of Defect	:s			2
Description	cover boards, Emergency Trip Stational lights, drainage, and general conditional conditions are seen to be see				on (ETS) lights, Train Approach Warning (TAW)			Recommended Finding?			g? Y		Yes	
	iigiits,	lights, drainage, and general condi				15.			Remedial Action Required			d?		Yes

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWortl ANTHONY GIOVANDO Date: 2017.08.14 11:25:24-05'00'	Date hTX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge - Name	Inspection Team		
Adam A. Giovando	Lee Emard		



	The FWSO Inspector also observed an Advanced Mobile Flagger (AMF) #6209 at West Hyattsville(E07) and Fort Totten (E06).  The following non-color-coded defects were observed:  • TRST 1000 Manual, 3.2.2.1: On track 1, at College Park Station (E09), muddy conditions prevented standing water from draining as designed. Debris was also observed blocking the drain entrance.  • TRST 1000 Manual, 3.2.2.1: On track 1, at U Street Station (E03), muddy conditions prevented standing water from draining as designed. Debris was also observed blocking the drain entrance.  Other Notable Observations:  • Track 1, at Greenbelt Station (E10), 55 of the approach warning lights on the platform were not working.  • Track 2, at Greenbelt Station (E10), 56 of the approach warning lights on the platform were not working.  • Track 1, at College Park Station (E09), six of the approach warning lights on the platform were not working.  • Track 2, at College Park Station (E09), five of the approach warning lights on the platform were not working.  • Track 2, at Prince George Plaza Station (E08), 144 of the approach warning lights on the platform were not working.  • Track 1, at Prince George Plaza Station (E08), 86 of the approach warning lights on the platform were not working.  • Track 1, at West Hyattsville Station (E07), 18 of the approach warning lights on the platform were not working.  • Track 1, in West Hyattsville Station (E07), the FWSO Inspector observing AMF #6209 at 1200 hours noted compliance with requirements of Permanent Order R-17-03. The AMF had all required personal protective equipment (PPE). This included the flashing amber	Recommended Reinspection?	Yes
	<ul> <li>Track 1, in West Hyattsville Station (E07), the FWSO Inspector observing AMF #6209 at 1200 hours noted compliance with</li> </ul>	recommended Keinspection?	res
Remedial Action	Track 2, at Fort Totten Station (E06), 50 of the approach warning lights on the platform were not working.  Track 2, at Prince George's Plaza Station (E08), one of the approach warning lights on the platform was not working.  To achieve compliance with WMATA's requirements:  WMATA must clear drains at the track 1 platform at the College Park State  WMATA must clear drains at the track 1 platform at the U Street Station		

Form FTA-IR-1



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Increation Date	YYYY	MM	DD	Panart Number	20170900 \\\\	20170809-WMATA-AG-1				
Inspection Date	2017	08	09	Report Number	20170809-WWATA-AG-1					
Rail Agency Name	Washington Authority (W	Metropolitan / 'MATA)	Area Transit	Rail Agency Department	Car Maintenance (CMNT)	Sub- Dep	artment	Inspection		
	1	Name		Email	Office Phone	9	N	Nobile Phone		
Rail Agency Department Contact Information		l								
Inspection Location	West Falls Ch	/est Falls Church Rail Service and Inspection Facility (K99)								

### **Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required <sup>1</sup>	No					
Recommended Reinspection	No					

### **Activity Summaries**

Inspection Activity #	1	Inspection	Subject			ions – Wes Facility (K	t Falls Church 9)	Rail Service	Activity Co	ode	VN	Л	SI	OBS
Job Briefing Employee Name/Title	N/A					mpanied ector?	No	Out Brief Conducted	Yes	Time	063 100		Outside Shift	No
Related Reports	N/A				Relat	Related CAPS / Findings Remedial Action			ion ID: N/A					
	Ref	Ref Rule or S			or SOP		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	N/A			Perio	2000/3000 Series Periodic Inspection "A" Inspection Rev 0 06/30/17		N/A							
	Mair Tracl	Yard	Sta	ation	OCC	RTA Facility	FTA Office		At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	ITaci					X	Office	Track Type						х
Line(s)	N/A		ack	N/A	1	Chain Ma			From		То			
Line(3)	11/7	Nι	mber	14/7	`	and/or St	ation(s)	N/A			N/A			
	Head	d Car Numb	er	Numb	er of Cars									
Vehicles		N/A			8-3149 6-3027									

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: C=US, o=US. Government, ou=FRA FRAFtWorthT ANTHONY GIOVANDO Date: 2017.08.14 11:46:40 -05'00'	Date X, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Bill Hultsch		





	An FWSO Inspector observed a periodic "A" inspection on rail vehicles #s: 3148-	Number of Defects	0
	3149 and 3026-3027.	Recommended Finding?	No
	The FWSO Inspector observed no defects.	Remedial Action Required?	No
Description	<ul> <li>Other Notable Observations:</li> <li>Revised maintenance manual Rev 0, 06/30/17 had been issued and was being used. The FWSO Inspector sent a link to WMATA Office of Rail Car Maintenance (CMNT) General Superintendent on August 8, 2017 requesting copies of revised maintenance manuals for 7K and legacy series rail cars.</li> <li>Task 20, Section 20.10.3, "Gear Box Inspection": An FWSO inspector observed proper use of safety wire twisting pliers to replace gearbox oil drain plugs.</li> <li>Task 35, Propulsion, Section 35.6, "Converter Functional Module (CFM)": The FWSO Inspector reviewed the inspection and cleaning of heat sink fins with WMATA staff.</li> <li>Task 20, Trucks/Couplers, Section 20.5, "Friction Brake Equipment Warning": The FWSO Inspector observed proper placement of wheel chocks.</li> <li>Task 60, Section 60.2.2, "Parking Brake Lubrication": The FWSO Inspector observed parking brake chain lubrication.</li> <li>All appropriate Personal Protective Equipment (PPE) was worn.</li> <li>Visitor sign-in procedure at West Falls Church includes WMATA making a copy of current WMATA ID badge and attaching to Contractor Safety Briefing Checklist as well as requiring visitor to sign safety briefing. This ensures that visitor credentials are current and up to date before permission is given to conduct activities on WMATA property.</li> </ul>	Recommended Reinspection?	No
Remedial Action	N/A		



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170809-WN	ЛАТА-А	G-2		
	2017	08	09						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	- IRPM Sub-				
	ı	Name		Email	Office Phone	е	N	lobile Phone	
Rail Agency Department Contact Information									
Contact information									
Inspection Location	A-Line, track 1, Cleveland Park (A05) to A1 223+00								

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspection	Subject	t Jo	ob Safe	ty Brie	fing			Activity Co	ode	TF	Р	JSB	OBS
Job Briefing Employee Name/Title	TRPM	1017				Accor	mpanied ctor?	Yes Out Brief Conducted		No	Time	100 130		Outside Shift	No
Related Reports	20161	1109-WMATA-AD-2				Relat	ed CAPS /	Findings	Remedial Act	ion: 1023					
	Ref	Ref Rule or :			ule or S	ОР		Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	RWPM R-17-03			-17-03										
Standards, or other	MSRP	Н													
	Mair Trac	l Yard	I St	ation	n 0	СС	RTA Facility	FTA Office		At-grade	e Tui	nnel	Elev	/ated	N/A
Inspection Location	х								Track Type	Х		X			
Line(a)	A Line	Tr	ack		+ v o o l v 1		Chain Ma	rker		From			То		
Line(s)	A-Line	N	ımber		track 1		and/or St	ation(s)	Cleveland Par	rk (A05)		CM 2	23+00		
	Hea	d Car Numb	er	Nu	ımber o	f Cars			21/2						
Vehicles		N/A			N/A		Equipment N/A								
FWSO Inspector received a job safety briefing from					•	•	rker in charge	Number	of Defect	:s			1		
Description	Description (RWIC) at C			prior	to ente	ering th	ne roadway			Recommended Finding?				No	

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: C=US, 0=U.S. Government, ou=FRA FRAFtWort ANTHONY GIOVANDO Date: 2017.08.14 12:09:41 -05'00'	<b>Date</b> hTX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard		



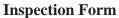


	and N all ite the ty limits	Maintenance (TRPM) 10 ems and checked perso ype of on-track protect s, where to clear, know	r safety briefing at the yard. Traction Power Inspection 017 informed the FWSO Inspector that he had covered that protective equipment (PPE), badges, and covered tion (i.e., Train Approach Warning (TAW)), the working in hazards and hotspots, safety rule of the day, , check of PPE and roadway worker protection (RWP)	I Temedia 7 telon	Required?		No
	The f	Permanent Orde with the FWSO II all equipment re inspection, the F working radio. The	ded defect was observed:  er R-17-03: The RWIC stated in the job safety briefing inspector that the Advanced Mobile Flagger (AMF) had quired by Permanent Order R-17-03. Later in the EWSO Inspector learned that the AMF did not have a the inspection was stopped immediately.  etion for this defect is addressed in WMATA's medial action 1023.	Recommended R	einspection?		No
Remedial Action	N/A						
Inspection Activity #	2	Inspection Subject	Cable Third Rail Inspection	tion Activity Code TP			

Remedial Action	IN/A												
Inspection Activity #	2 I	nspection Subjec	t Cab	le Third I	Rail Inspection	n		Activity Co	ode	TI	Р	WI	PI
Job Briefing Employee Name/Title	TRST 10	17	·		companied pector?	Yes	Out Brief Conducted	No	No <b>Time</b> 10			Outside Shift	No
Related Reports	N/A			Related CAPS / Findings N/A									
	Ref	Rule or SOP Standard Other / Title				Che	cklist Refer	ence					
Related Rules, SOPs, Standards, or Other	TRST 10	000											
Standards, or Other	MSRPH												
Inspection Location	Main Track	Yard S	tation	осс	RTA Facility	FTA Office	Track Type	At-grad	At-grade Tunnel		Ele	evated	N/A
inspection Location	Х						ттаск туре			Х			
Line(s)	A-Line	Track	tra	ick 1	Chain Ma	arker	From To			То			
Line(s)	A-LITTE	Number	LIG	ICK I	and/or S	tation(s)	Clevelend Pa	ck (A05) CM 223+00			)		
Vehicles	Head	Car Number	Numl	per of Ca	-	oment	N/A						
venicles		N/A		N/A	Equi	ment	IN/A						
		O Inspector perf						Number	of Defec	ts			2
		n Cleveland Park nponents.	(A05) ar	nd A1 223	+00 to inspe	ct track and t	third rail cable	Recomm	ended Fi	nding?			Yes
	and cor	пропения.						Remedia	I Action	Require	ed?		Yes
Description	The foll	owing non-color	coded o	lefects w	ere observe	d:							Yes
·	•	third rail cove	r board	from A1	172+60 to 18	ng third rail end approach cover and 2+60 to 185+00. ng third rail end approach cover at A1  Recommended Reinspection?							
	To achie	eve compliance v	ith WM	ATA's red	quirements:								
Remedial Action	•												

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

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FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170900 \\/\	4ATA A	C 2		
inspection Date	2017	08	09	Report Number	20170809-WMATA-AG-3				
Rail Agency Name	Washington Metropolitan Area Transit Authority		Rail Agency Department	POWR	Sub- Department CM		СМ		
	ı	Name		Email	Office Phone	9	N	Nobile Phone	
Rail Agency Department Contact Information									
contact morniation									
Inspection Location	Surge Shutdo	own - (Suitland	I (F10)) – track 2	2					

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	nspection S	ıbject		Suitla	and (F10) – S	afety Briefin	g		Activity Co	ode	TF	<b>o</b>	JSB	OBS
Job Briefing Employee Name/Title	Surge S Briefer	hutdown De	dicated Safet	У		mpanied ector?	Yes		Out Brief Conducted	Yes	Time	0100 050		Outside Shift	Yes
Related Reports					Relat	ted CAPS / F	indings								
	Ref				Rule	or SOP	Standard			Other / T	itle		Check	list Refere	ence
Related Rules, SOPs, Standards, or Other	RWPM														
Inspection Location	Main Track	Yard	Station	(	occ	RTA Facility	FTA Office	ī	Frack Type	At-grad	e Tun	nel	Elev	ated	N/A
.,	Х								,,,,,	×					
Line(s)	F-Line	Trac	k Number		N/A	Chain N	1arker			From				То	
Line(s)	r-Lille	IIac	k Nulliber		IN/A	and/or	Station(s)		Suitland (F:	10)		Sui	tland (F	10)	
.,	Head	Car Number	Num	ber o	of Cars			١.							
Vehicles		N/A		N/A	A	Equip	nent	l I	N/A						
			eived a job s			-	•		_	Number	of Defects				0
Description			rotective equ cked and the		•	•		rot	tection	Recomm	ended Fin	ding?			No
	(1,441)	D3 WCTE CHE	cked and the	WOII	KIII 8 IIII	iits were rev	icwcu.			Remedia	l Action Re	equire	d?		No

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.15 13:31:58 -05'00'	Date thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



	The briefer covered the locations and types of work taking place, as well as the nearest hospital and safety rule of the day. FWSO personnel were provided a bracelet—indicating their receipt of the briefing—and were granted access to the roadway.  The FWSO Inspector noted no defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Employee Name/Title  Related Reports  Ref Ref Rule or SOP Standards, or Other  Standards, or Other  Main Track Tra	Remedial Action	N/A											
Employee Safety Rinfer Safety	Inspection Activity #	2 Ins	pection Sub	ject			uitland (F10)	Cable	Activity Co	de	TP	RM	OBS
Ref Rule or SOP Standard Other / Title Checklist Reference  TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (REVISION 2, SEPTEMBER 16, 2016)  Line(s)  F-Line  Track Number  Track Number  Track 2  Chain Marker and/or Station(s)  F-Line  Track Number  Track 2  Chain Marker and/or Station(s)  F-Line  Track Number  N/A  From  To  From  To  From  To  From  To  From  From  To  From  From  From  From  From  From  To  From  From  From  From  To  From  From  From  From  From  To  From  From  From  From  From  To  From  From  To  From  From  From  From  From  To  From  From  From  To  From  To  From  To  From	• •	_		cated	-		Yes		Yes	Time			Yes
Related Rules, SOPs, Standards, or Other  Respection Location  Main Track Number (REVISION 2, SEPTEMBER 16, 2016)  Track Turnel (Elevated N/A  X  From To  F2 448+00 (Itransition cables) F2 448+00 (Itransiton cables) F2 448+00 (Itransition cables) F2 448+00 (Itransition	Related Reports				Related	CAPS / Find	lings					•	
BRAWING (DD. TP SS-012, REN'SION D, AUGUST 2001) ENGINEERING MODIFICATION INSTRUCTIONS (RM) FOR JUMPER, EXPANSION, AND TRANSITION FOWER CABLES REPLACEMENT SYSTEM WIDE (REVISION 2, SEPTEMBER 16, 2016)  Inspection Location  Track  Track   Vard   Station   OCC   RTA   FTA   From   To    Track Number   track 2   Chain Marker   and/or Station(s)   F2 448+00 (transition cables)   F2 445+00 (feeder cables)   F2 455+00 (feeder		Ref			Rule or	SOP	Standard		Other / T	itle		Checklist Re	eference
Main Track   Yard   Station   OCC   RTA Facility   Office   Track Type   At-grade   Tunnel   Elevated   N/A		DRAWING REVISION ENGINEER INSTRUCT JUMPER, TRANSITIO REPLACEN	G (DD-TP-SSI- 0, AUGUST RING MODIF TONS (EMI) EXPANSION, ON POWER O MENT SYSTE	-013, 2001) ICATION FOR AND CABLES M WIDE									
Track   Yard   Station   OCC   Facility   Office   Track Type   X			I 2, SEPTEMI	BER 16,									
Line(s)  F-Line  Track Number  Track Number of Cars  Equipment  Power Cables (1000 kcmil, 2 kV)  Number of Defects  Track Number of Defects  Tr	Inspection Location		Yard	Station	осс			Track Type	At-grade	e Tur	inel	Elevated	N/A
F-Line   Track Number   track 2   Chain Marker and/or Station(s)   F2 448+00 (transition cables)   F2 448+00 (feeder cables)   F2 455+00 (feeder cables of tables)   F2 455+00 (feeder cables of tables of tables of tables of tables of tables of tables of		Х						7,00	Х				
Power Cables (1000 kcmil, 2 kV)  FWSO Inspectors observed WMATA's power department and electrical contractors performing the task of replacing four transition cables and 11 feeder cables (pigtails).  In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-meggered for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.	Line(s)	F-Line	Track	Number	track 2			F2 454+00	(transition call	es)	F2 45	18+00 (trans 54+00 (feed	er cables)
FWSO Inspectors observed WMATA's power department and electrical contractors performing the task of replacing four transition cables and 11 feeder cables (pigtails).  In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-meggered for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.		Head Ca	r Number	Numb	per of Cars	<u> </u>			/1000   "	2114			
performing the task of replacing four transition cables and 11 feeder cables (pigtails).  Recommended Finding?  No  In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-meggered for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.	Vehicles	1	N/A		N/A	Equip	ment	Power Cables	(1000 kcmil	, 2 KV)			
(pigtails).  In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-meggered for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.									Number	of Defects	;		0
In WMATA's shop before the night of work, four 35-foot length portions of 1000 kcmil cable were cut and pre-meggered for the transition cables to be installed. Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.			ig the task o	f replacing f	our transiti	ion cables ar	nd 11 feeder	cables	Recomm	ended Fin	ding?		No
kcmil cable were cut and pre-meggered for the transition cables to be installed.  Eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed.  In addition, anytime there is a new cable replacement on power cables, 2 kV (voltage rating) cables are being used to upgrade the system for the future deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.		(pigtails).							Remedia	Action R	equired?	?	No
deployment of 100 percent, 7000 series, 8-car trains.  During the inspection, an FWSO Inspector observed the contractor installing transition and feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.		kcmil cabl Eleven 6-1 pigtails to	e were cut a oot length p be installed	and pre-meg portions of 1	gered for t 000 kcmil v	he transition were cut and	n cables to be I pre-megger	e installed. ed for the					
Remedial Action N/A	Description	Ouring the transition jumper, e September	e inspection, and feeder xpansion, are 16, 2016.	s are being u ercent, 7000 , an FWSO Ir cables per tl nd transition	sed to upg series, 8-co nspector ob he Enginee power cab	rade the sys ar trains. oserved the ring Modific oles replacer	contractor insation Instruction	stalling tion (EMI) for wide, issued	Recomm	ended Rei	inspectic	on?	No
	Remedial Action	N/A											



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170809-WN	10T0 0	C 1	
inspection date	2017	08	09	Report Number	20170809-0010	/IATA-A	G-4	
Rail Agency Name	Washington Authority	Metropolitan <i>F</i>	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment	CBL. IN.
		Name		Email	Office Phone	е	N	Mobile Phone
Rail Agency Department Contact Information								
Inspection Location	Van Dorn (J0	2) to Franconia	a-Springfield (JO	3) - track 1				

#### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspect	tion Sub	ject			orn (J02) - J ile Work Cre	ob Safety Bri ew)	iefii	ng	Activity Co	de	TP	,	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA RWIC				Accor	mpanied ctor?	Yes	_	Out Brief Conducted	Yes	Time	100 150	-	Outside Shift	No
Related Reports	Safety	/ Directiv	/e 15-1			Relat	ed CAPS / F	indings	C	AP R-2-18-A	and R-2-19-	A				
	Ref					Rule	or SOP	Standard			Other / T	itle		Che	cklist Refere	ence
Related Rules, SOPs,	RWPN	Λ				R-17-	02									
Standards, or Other	MSRP	Н				R-17-	03									
						T-16-	07									
Inspection Location	Mai Trac	1	Yard	Station	C	осс	RTA Facility	FTA Office	Т	rack Type	At-grade	e Tun	inel	Ele	evated	N/A
	Х										Х				Х	
											From				То	
Line(s)	J-Line		Track I	Number		track 1		larker Station(s)		N/A			N/A	Α .		

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.08.15 14:17:37 -05'00'	Date TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo, Al Nepa		



	Head Car Number	Number of Cars				
Vehicles	N/A	N/A	Equipment	N/A		
		ed a job safety briefing fr		,	Number of Defects	1
		onal protective equipmen ere checked and the wor			Recommended Finding?	Yes
	' '	the nearest hospital and	•		Remedial Action Required?	No
Description	In addition to the requirequired equipment, ar 03, ADVANCE MOBILE is consisted of WMATA-a (18"x18") calibrated wo.  The AMF did notify the place (next station ahea amber lantern /E-flare is platform (8-car marker)  The following non-color of the mandatory 10 watchman.  The Remedial Action for Safety Directive 15-1 -	red PPE, the Advanced Mad was compliant with "Was Compliant with "Was Capproved flashing amber laborking radio, air horn, and RWIC via positive communication the direction the modern and orange flag had been or end gate). No exception or end gate). No exception or end gate was observed the complete or the speed requirement of the defect was address or this defect was address CAP R-2-18-A and R-2-19	obile Flagger (AMF) d /MATA PERMANENT ( 28, 2017)." This equip entern/E-flare, orange whistle.  unication (phone) that bile crew walked). Th positioned at the end ons were taken.  rved: nber 3181 at 1133 ho when passing the adv  sed in WMATA's appr	id have the DRDER R-17-ment e flag  the was in the flashing d of the the was exceeded wance	Recommended Reinspection?	Yes
Remedial Action	N/A					

Inspection Activity #	2	Inspection Sub	ject		ing Observat	•	al Action	Activity Co	de	TP	WI	OBS
Job Briefing Employee Name/Title	WMA	ATA RWIC			mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000- 1500	Outside Shift	No
Related Reports	2016 2016	0824-WMATA-RI 0910-WMATA-RI 1116-WMATA-A 0709-WMATA-A	PM-1 D-1	Relat	ted CAPS / Fi	indings	Remedial Act Remedial Act Remedial Act Remedial Act Remedial Act	ion: #938 ion: #951 ion: #1105				
	Ref			Rule	or SOP	Standard		Other / T	itle	C	Checklist Refer	ence
	TRST	1000										
Related Rules, SOPs,	DRAV	TION POWER DE VING (DD-TP-SSI SION 0, AUGUST	-013,									
Standards, or Other	EXPA POW SYSTI	NEERING MODIF RUCTIONS (EMI) NSION, AND TRA ER CABLES REPL EM WIDE (REVISI EMBER 16, 2016)	FOR JUMPER INSITION ACEMENT ON 2,	₹,								
	Mai Trad	Yard	Station	осс	RTA Facility	FTA Office	Total Total	At-grade	e Tur	nnel	Elevated	N/A
Inspection Location	Х						Track Type	Х			Х	
Line(s)	J-Line	Track	Number	track	Chain N	larker		From			То	

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rsion date: 8/26/16 2



			1	and/or Station(s)				
					Van Dorn (J	02)	Franconia-Sp	ringfield (J03
	Head Car Number	Number o	of Cars					
/ehicles	N/A	N/A		Equipment	N/A			
	The following color-co				00.00.10	Number of Defects		17
	TRST 1000 Manus     Condition)	al, 13.5.7: Third	rail covei	board missing at J1 6	98+00. (Green	Recommended Find	ding?	Yes
	· · · · · · · · · · · · · · · · · · ·	al. 13.5.7: Third	rail cove	board missing at J1 7	01+50. (Green	Remedial Action Re	equired?	Yes
	Condition)	,			( )			
		al, 13.5.7: Third	rail cove	board missing at J1 7	02+00. (Green			
	Condition)  TRST 1000 Manua	al 13 5 7· Third	rail cove	board missing at J1 7	03+00 (Green			
	Condition)	ui, 13.3.7. Tilli u	Tun cover	board missing at 11 /	os roo. (Green			
	TRST 1000 Manua	al, 13.5.7: Third	rail cove	board missing at J1 7	04+50. (Green			
	Condition)				11.00.10			
	TRST 1000 Manual Condition)	ai, 13.5.7: Inird	raii covei	board missing at J1 7	14+00. (Green			
	· · · · · · · · · · · · · · · · · · ·	al, 13.5.7: Third	rail cove	board missing at J1 7	22+00. (Green			
	Condition)							
	TRST 1000 Manual Condition)	al, 13.5.7: Third	rail cove	board missing at J1 7	31+00. (Green			
	· · · · · · · · · · · · · · · · · · ·	al. 13.5.7: Third	rail cove	board missing at J1 7	32+30. (Green			
	Condition)	,			(			
		al, 13.5.7: Third	rail cove	board missing at J1 7	62+00. (Green			
	Condition)  TRST 1000 Manua	al 12 5 7: Third	rail covo	board missing at J1 7	94±00 (Groon			
	Condition)	ai, 13.3.7. IIIII u	Tall Cove	board missing at 11 7	54100. (Green			
		al, 13.5.7: Third	rail cove	board missing at J1 8	14+00. (Green			
	Condition)	al 12 F 7, Third	rail carra	hoard missing at 11 0	26,10 /6,222			
	TRST 1000 Manus     Condition)	di, 13.3.7. IIIIIU	rali covei	board missing at J1 8	26+10. (Green			
	· · · · · · · · · · · · · · · · · · ·	.1.40 5 7 7 7 1						
	• TRST 1000 Mariu	ai, 13.5.7: Inird	raii covei	board missing at J2 8	48+00. (Green			
Description	Condition)	ai, 13.5.7: Inird	rali covei	board missing at J2 8	48+00. (Green			
Description	Condition)			-				
Description		or the above de		-		Recommended Rei	nspection?	Yes
Description	Condition)  The Remedial Action for to Remedial Action ID	or the above de	efects we	re addressed in WMA		Recommended Rei	nspection?	Yes
Description	Condition)  The Remedial Action for to Remedial Action ID  The following non-colo	or the above de #264. or-coded defect	efects we	re addressed in WMA oserved:	TA's approach	Recommended Rei	nspection?	Yes
Description	Condition)  The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual	or the above de #264.  or-coded defectal, 13.5.3: Broke	efects we ts were o	re addressed in WMA	TA's approach 700+00.	Recommended Rei	nspection?	Yes
Description	Condition)  The Remedial Action for to Remedial Action ID  The following non-colo  TRST 1000 Manual  TRST 1000 Manual	or the above de #264. or-coded defect al, 13.5.3: Broke al, 13.5.3: Broke	efects we ts were ol en third ra en third ra	re addressed in WMA bserved: full tie anchor arm at J1 full tie anchor arm at J1	700+00. 833+50.	Recommended Rei	nspection?	Yes
Description	Condition)  The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual	or the above de #264. or-coded defect al, 13.5.3: Broke al, 13.5.3: Broke or these defect	efects we ts were ol en third ra en third ra	re addressed in WMA bserved: full tie anchor arm at J1 full tie anchor arm at J1	700+00. 833+50.	Recommended Rei	nspection?	Yes
Description	The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1	or the above de #264. or-coded defect al, 13.5.3: Broke al, 13.5.3: Broke or these defect 105.	ts were ol en third ra en third ra	re addressed in WMA  bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fill tie anchor arm at J1 firessed in WMATA's a	700+00. 833+50. pproach to	Recommended Rei	nspection?	Yes
Description	The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1	or the above de #264. or-coded defect al, 13.5.3: Broke al, 13.5.3: Broke or these defect 105.	ts were ol en third ra en third ra	re addressed in WMA  bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fill tie anchor arm at J1 firessed in WMATA's a	700+00. 833+50. pproach to	Recommended Rei	nspection?	Yes
Description	The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transposed conditions	or the above de #264.  or-coded defect al, 13.5.3: Broke al, 13.5.3: Broke or these defect 105.  ction power an ions noted:	efects we ts were of en third ra en third ra es was add d cable do	re addressed in WMA  bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fill tie anchor arm at J1 firessed in WMATA's a	TA's approach 700+00. 833+50. pproach to and there were	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new train no color-coded condition in Engineering Moduransition power	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen	efects we  ts were of en third ra en third ra s was add d cable do ctions (ER nent syste	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 —	TA's approach  700+00. 833+50.  pproach to  nd there were  sion, and  Expansion	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new train no color-coded conditions  Engineering Moduransition power cables on gauge services.	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail	ts were of en third rate third ra	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 — fill the ground with m	TA's approach  700+00. 833+50.  pproach to  nd there were  sion, and  Expansion	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new train no color-coded conditions  Engineering Moduransition power cables on gauge services.	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail	ts were of en third rate third ra	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 —	TA's approach  700+00. 833+50.  pproach to  nd there were  sion, and  Expansion	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new train no color-coded conditions  Engineering Moduransition power cables on gauge services.	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail epair to one exp	ts were of en third rate third ra	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 — fill the ground with m	TA's approach  700+00. 833+50.  pproach to  nd there were  sion, and  Expansion	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manuar  TRST 1000 Manuar  TRST 1000 Manuar  The Remedial Action for Remedial Action ID #1  The following new transport to color-coded conditions are color-coded conditions.  Engineering Modular transition power cables on gauge sand temporary results.  Other Notable Observations.	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen side of third rail epair to one exp	ts were of en third rate third ra	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan em wide: J1 772+00 – off the ground with m ble. (See Figure 1).	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes
Description	The Remedial Action for to Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transposed conditions are color-coded conditions.  Engineering Modular transition power cables on gauge sand temporary results.  Other Notable Observation of the Notable Observation of the Notable Observations are consistent of the Notable Observations.	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instrucable replacen ide of third rail epair to one expandions:  e (aerial bridge at J1 705+00 to	ts were of the third rate of t	re addressed in WMA bserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan em wide: J1 772+00 — off the ground with m ble. (See Figure 1).  d in Roadway Worker' 0.	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transport to the remedial Action ID work transition power cables on gauge sand temporary removed the removed of the re	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instrucable replacen ide of third rail epair to one expandions:  e (aerial bridge at J1 705+00 to lying on the gro	ts were of the third rate of t	re addressed in WMA beeved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 — foff the ground with m ble. (See Figure 1).  d in Roadway Worker for and J2 705+00.	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transport to the Engineering Moduransition power cables on gauge sand temporary results of the Remedial Action ID #1  The following new transport to the Engineering Moduransition power cables on gauge sand temporary results of the Rotable Observation of the Rotable Observation in the Rotable	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail epair to one exp ations: e (aerial bridge at J1 705+00 to lying on the gro	ts were of the third rate of t	re addressed in WMA beserved: fill tie anchor arm at J1 fill tie anchor arm at J1 fressed in WMATA's a efect was observed, a fill for jumper, expan frem wide: J1 772+00 — off the ground with m ble. (See Figure 1).  d in Roadway Worker for and J2 705+00. for jumper, expan frem wide: J1 772+00 — off the ground with m ble. (See Figure 1).	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-cold  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transition power cables on gauge sand temporary refunction of the remedial Action ID #1  The following new transition power cables on gauge sand temporary refunction power cables on gauge sand temporary refunction in the remedial (RWPM)  Expansion cables Expansion cables  Expansion cables  Expansion cables	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail epair to one exp ations: e (aerial bridge at J1 705+00 to lying on the gro	ts were of the third rate of t	re addressed in WMA beserved: fill tie anchor arm at J1 fill tie ancho	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes
Description	The Remedial Action for Remedial Action ID  The following non-color  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  TRST 1000 Manual  The Remedial Action for Remedial Action ID #1  The following new transport to the remedial Action ID #1  The following new transport to the remedial Action ID #1  The following new transport to the remedial Action ID #1  The following new transport to the remedial Action ID #1  The following new transport to the remedial Action ID #1  The following new transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following non-color transport to the remedial Action ID #1  The following new transp	or the above de #264.  or-coded defect al, 13.5.3: Broke or these defect 105.  ction power an ions noted: lification Instru cable replacen ide of third rail epair to one exp ations: e (aerial bridge at J1 705+00 to lying on the gro	ts were of the third rate of t	re addressed in WMA beserved: full tie anchor arm at J1 full tie ancho	TA's approach  700+00. 833+50.  pproach to  nd there were sion, and Expansion etal Kindorf	Recommended Rei	nspection?	Yes





	<ul> <li>Expansion cables lying on the ground at J1 814+00.</li> <li>Expansion cables lying on the ground at J1 838+00.</li> <li>Expansion cables lying on the ground at J1 and J2 848+00.</li> <li>Expansion cables lying on the ground at J1 and J2 858+00.</li> <li>The following remedial actions were verified as complete:         <ul> <li>Remedial Action #938: WMATA should install "No Clearance" signage on the bridge support wall between J1 CM763+00 and J1 CM767+00.</li> <li>Remedial Action #951: WMATA should repair or secure the trackside heater control box labeled: "HC-J03-52-3" that is smashed. The internal electrical components are exposed. Liquidtite leading from the box into the conduit indicates 480 V.</li> <li>Remedial Action #1424: WMATA must replace cover on end approach of track 1, CM870+00, switch 1A.</li> </ul> </li> </ul>	
Remedial Action	To achieve compliance with WMATA's requirements:  • WMATA must install expansion cables per engineering EMI at J1 772+00.	

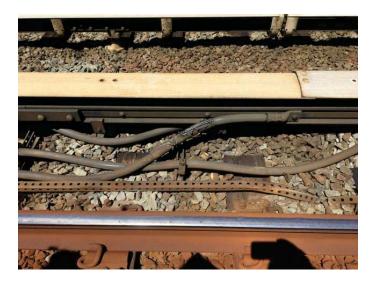
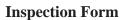


FIGURE 1 - J1 772+00 — EXPANSION CABLES ON GAUGE SIDE OF THIRD RAIL INSTALLED OFF THE GROUND WITH METAL KINDORF AND TEMPORARY REPAIR TO ONE EXPANSION CABLE.



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170809-WN	// ATA \/	VD 1				
inspection bate	2017	08	09	Report Number	20170809-001	20170003 WWATA WI 1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST Sub- Department						
		Name		Email	Office Phone	e	N	Mobile Phone			
Rail Agency Department											
Contact Information											
Inspection Location	F-Line, track 2, Branch Ave. (F11) to Suitland (F10)										

#### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspectio	n Subj	ect	Job Safe	ety Brief	ing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	Branc	n Ave. Brie	efing Ta	able		Accor	npanied ctor?	Yes	Out Brief Conducted	No	Time	900 110		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A				N/A						
	Ref	Ref Rule				Rule or SOP Standard				Other / T	itle		Checl	klist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	RWPM													
Standards, or Other	MSRP	Н													
lana estima la cetica	Mair Trac	Ya	Yard Stat		tion OCC		RTA Facility	FTA Office	Tue els Toure	At-grade	e Tui	nnel	Elev	rated	N/A
Inspection Location	Х								Track Type	х					
Line(s)	F-Line	1	Track		track 2		Chain Ma	rker		From	•			То	
Line(s)	r-Lille	r	Numbe	r	LI dCK 2		and/or St	ation(s)	Branch Ave. (	F11)		Suitla	ınd (F10	0)	
Walifala.	Hea	d Car Num	ber	1	Number o	of Cars	· · ·		21/2						
Vehicles		N/A			N/A		Equip	ment	N/A						
Description					-	•	_	e roadway w		Number	of Defect	s			0
	_						_	e roadway. T Je track) wo	_	Recomm	ended Fi	nding?			No
	COVE	overed the type of on-track protection (i.e., inaccessible track), working limits,								Remedial Action Required?			d?		No

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

Inspector in Charge - Signature			Date
	WINSLOW L. POWELL	Digitally signed by WINSLOW L. POWELL DN: c=US, o=U.S. Government, ou=FTAHQ, ou=DO Date: 2017.08.24 09:04:55 -04'00'	T Headquarters, cn=WINSLOW L. POWELL
Inspector in Charge – Name	Inspection Team		
Winslow Powell	Peter Polocki, Jamie Pfister, Winslow Powell, Adam Giovando, M	ike Vitale	





	of nea	arest		nd a ch	eck c	of pers	-		rule of the o	day, location PPE) and	Recomme	ended Re	einsped	ction?		No
Remedial Action	N/A															
Inspection Activity #	2	Insn	ection Sub	niect	Wo	rk 7on	ne Oh	servation			Activity Co	de	TF	2K	WI	OBS
Job Briefing Employee Name/Title		anch Ave. Briefing Table  Accompanied Inspector?  Yes  Out Brief Conducted  No  Time  900- 1100												Outside Shift	No	
Related Reports		Related CAPS / Findings Remedial Actions: 416, 417, 476, 478  Related CAPS / Findings														
Related Rules, SOPs,	Ref				Rule	or SO	)P		Standard		Other / Ti	tle		Check	list Refere	ence
Standards, or Other		WPM														
		SRPH STANDARD STANDAR														
	Mai Trac		Yard	Stati	on	OC	CC	RTA Facility	FTA Office		At-grade	Tu	nnel	Elevated		N/A
Inspection Location	Х									Track Type	Х					
Line(s)	F-Line	9	Track		tra	ck 2		Chain Ma			From				То	
			Numb	_				and/or Sta	ation(s)	Branch Ave. (	F11)		Suitla	and (F10	)	
Vehicles	Hea	id Car N/	Number /A	ı		oer of N/A	Cars	Equip	ment	N/A						
									n track 2 of		Number o	of Defect	ts			0
				٠,			,	,		ing performed ors observed	Recomme	nded Fi	nding?			No
		,	• .							as compliant	Remedial	Action I	Require	ed?		No
	WMA	ТА ре	•	ut of co	mpli			•	did not obso sonal protec	•						
Description	The f	ollow	ing remed	ial acti	ons v	vere v	erifie/	d as compl	ete:							
						: WM	1ATA I	has repaired	d exposed tra	ackside heater	Recomme	ended Re	einsped	tion?		No
			wire at F2 Remedial			: WM	1ATA I	has repaired	d light on em	nergency trip			·			
			station (ET	S) box	at F2	512+	-00.	·	J							
			Remedial 504+20.	Action	#476	: WM	1ATA I	nas repaire	d light on the	ETS box at F2						
			Remedial 496+00.	Action	#478	B: WM	1ATA I	has repaired	d light on the	ETS box at F2						

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

**Remedial Action** 

N/A



FOIA Exemption: All (b)(6)

Form FTA-IR-1



United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20170810-WMATA-AG-1					
mspection butc	2017	08	10	Report Humber	20170010 WI	VICIA A	.0 1			
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	partment	TKIN		
	ı	Name		Email	Office Phone	е	N	Nobile Phone		
Rail Agency Department										
		I								
Contact Information										
Inspection Location	K-Line, track 1, West Falls Church (K06) to Dunn Loring (K07)									

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspecti	ion Subje	ect	Job Safe	ty Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	542					mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1500		Outside Shift	No
Related Reports	N/A	N/A				Related CAPS / Findings N/A				N/A					
	Ref	Ref Rule or				OP		Standard		Other / Title				cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	1													
Standards, or other															
	Mair Tracl	l Y	'ard	Statio	on C	СС	RTA Facility	FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	Х			Х					Track Type	x				х	
Line(a)	K-Line		Track		track 1		Chain Mai	Chain Marker		From		То			
Line(s)	K-Line		Number	r	LLACK T		and/or Sta	ation(s)	West Falls Ch	urch (K06)		Dunn Loring (K07)			
	Head	d Car Nu	mber	N	lumber o	f Cars									
Vehicles		N/A			N/A		Equip	ment	N/A						
Description										Number	of Defect	s			0

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.14 12:11:33 -05'00'	<b>Date</b> thTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa, Lee Emard		





		t 642 conduc . The briefing	-			_			Recomm					No
	protection ID and per hazards,	•	uireme ection e locatio	ents and equipm on.	d included ent (PPE)	the safety verification	rule of the on, type of pro	day, hot spots,	Recomm		<u> </u>			No
Remedial Action	N/A													
Inspection Activity #	2 <b>In</b>	spection Sub	ject	Track Verific		ion and Re	medial Actio	n	Activity Co	de	TRK		WI	PI
Job Briefing Employee Name/Title	TRST 642	!		Accompanied Inspector?			Yes	Out Brief Conducted	Yes	Time	1000- 1500		itside Shift	No
Related Reports	2016081 2016122 2017012	0160812-WMATA-RPM-1 0160814-WMATA-RPM-1 0161222-WMATA-WP-1 0170128-WMATA-AD-1 0170518-WMATA-WP-1											335, 1336,	
Related Rules, SOPs,	Ref TRST-100											Checklis		ence
Standards, or Other		The results of the re												
Inspection Location	Main Track	Yard	Stati	on	осс	RTA Facility	FTA Office	Track Type	At-grade	e Tu	nnel	nel Elevate		N/A
inspection Location	Х							паск туре	Х			Х	Х	
	K-Line	Track Numb	er	track	: 1	Chain Ma and/or St		West Falls Ch	From urch (K06)		Dunn L	oring (K	To 07)	
	Head C	ar Number	1	Numbei	r of Cars									
Vehicles		N/A		N,	/A	Equip	ment	N/A						
								ine between	Number	of Defect	ts			0
		ls Church (K0 on previous	,				ct track cond	ditions and	Recomm	ended Fi	nding?			No
		,	.,						Remedia	l Action I	Required	?		No
Description  Remedial Action	The follo	<ul> <li>Remedial Action #1339: At K1 623+00 and K2 623+00, the ETS boxes have been repaired.</li> <li>Remedial Action #918: At K1 630+00, the ETS box has been repaired.</li> <li>Remedial Action #1122: Between K1 632+00 and 632+660, the third rail covers have been replaced and the collector shoes have been picked up.</li> <li>Remedial Action #1336: At K1 610+00, the pigtail on the cable has been repaired.</li> <li>Remedial Action #1039: At K1 451+50, the ETS box has been repaired.</li> <li>Remedial Action #1330: At K1 526+00, the heat shrink on the conduit has been replaced.</li> </ul>												No



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170810-WMATA-AG-3						
inspection Date	2017	8	10	Report Number	20170810-0010	20170010 WWATA AG 5					
Rail Agency Name	Washington Authority	Metropolitan <i>l</i>	Area Transit	Rail Agency Department	POWR	Sub- Dep	artment	PM			
	ı	Name		Email	Office Phone	9	N	Mobile Phone			
Rail Agency Department Contact Information											
Contact information											
Inspection Location	Brookland-CUA (B05) Traction Power Substation (TPSS)										

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspection	Subject		Brooklar	nd-CU <i>A</i>	A (B05) – Saf	ety Briefing		Activity Co	ode	TF	P	JSB	OBS
Job Briefing Employee Name/Title	WMA	TA Power P	ersonne				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	No
Related Reports						Relat	ed CAPS / F	indings							
	Ref Rule or			tule or S	OP		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other															
Increation I costion	Mair Tracl	l Yar	d S	atio	n C	CC	RTA Facility	FTA Office	Tunak Tuna	At-grad	e Tur	nnel	El	evated	N/A
Inspection Location				Χ					Track Type						Х
line/e)	Dia	Tr	ack		N1 / A		Chain Mai	rker		From			•	То	
Line(s)	B-Line	N	umber		N/A		and/or Sta	ation(s)	N/A			N/A			
	Head	d Car Numb	per	N	umber o	f Cars									
Vehicles		N/A			N/A		Equip	Equipment N/A							

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

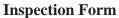
Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.15 14:25:39 -05'00'	<b>Date</b> hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		





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

Inspection Activity #	2	Insp	ection Subj	ect	Switchg	,	5) – Direct Cu Breaker Prev	, ,	Activity Code		TP		RM	OBS
Job Briefing Employee Name/Title	WMA	TA Po	ower Persor	nnel	Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	1000- 1400		Outside Shift	No
Related Reports					Related	CAPS / Fin	dings							•
	Ref			Rule or	SOP	Standard		Other / T	itle		Check	klist Refer	ence	
Related Rules, SOPs, Standards, or Other	PREVENTIVE MAINTENANCE INSTRUCTIONS (PMI) FOR WHIPP AND BOURNE 750 V DC MM74 BREAKER ANNUAL INSPECTION (REVISION 3, JUNE 20, 2013)													
Inspection Location	Mai Trac		Yard	Station	осс	RTA Facility	cility Office At-grade Tunne		nnel	Elev	vated	N/A		
mspection Location				Х		Track Type							Х	
Line(s)	B-Line	^	Track N	lumbor	N/A	Chain Ma	rker		From	·	·		То	
Line(s)	D-LIII	E	Hacki	uniber	N/A	and/or St	ation(s)	Traction Powe	er Substatio	n (TPSS)	TPSS			
Vehicles	Hea	ad Car N	Number		er of Cars	Equip	ment	750 V DC (Wh	iipp and Bou	rne – Ma	nufactu	rer) DC	C Feeder B	reakers
	An FV		'		<u>'</u>	er personn	el performing	preventive	Number	of Defect	•			0
				•		` '		the 750 V DC	Recomm					No
			,	_			oower substat blished Preve		Remedia	l Action F	Required	d?		No
Description	Maint MM7 were	tenan 4 BRE obser	ce Instruction AKER ANNU rved.	ons (PMI) (i.e JAL INSPECT	e., PMI FO ION, REVI	R WHIPP A SION 3, JUN	ND BOURNE 7 IE 20, 2013) a	750 V DC	Recomm	ended Re	inspect	ion?		No
Remedial Action	N/A													



Ins

FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Inquestion Date	YYYY	MM	DD	Report Number	20170811-WMATA-AG-1				
Inspection Date	2017	08	11	20170811-WWAT	/IA I A-A	G-1			
Rail Agency Name	Washington Authority	Metropolitan .	Area Transit	Rail Agency Department	TRST	TKIN			
	l	Name		Email	Office Phone	9	N	1obile Phone	
Rail Agency Department		Ī							
Contact Information									
Inspection Location	K-Line, track	1, Dunn Loring	g (K07) to Vienna	a (KO8)					

#### **Inspection Summary**

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

#### **Activity Summaries**

Activity Julillianes	1											1	1		_
Inspection Activity #	1	Inspec	ction Subj	ect	Job Safe	ety Brie	fing			Activity Co	Activity Code Ti		K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6435			Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	1000 1500		Outside Shift	No		
Related Reports	N/A					Relat	ed CAPS / I	indings	N/A						
	Ref				Rule or S	ОР		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	VI													
Standards, or Other															
	Mai Trac		Yard	Stat	ion (	осс	RTA Facility	FTA Office		At-grade	e Tur	nnel	Ele	evated	N/A
Inspection Location	х			Х					Track Type	Х				х	
Line (a)	K-Line		Track		track 1		Chain Ma	rker	From			То			
Line(s)	K-LITTE	=	Numbe	r	LI dCK 1		and/or St	ation(s)	Dunn Loring (	K07)		Vienn	Vienna (K08)		
.,	Hea	d Car N	lumber		Number (	of Cars			21/2						
Vehicles		N/A			N/A Equip			ment	N/A						
							1								

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

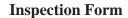
Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.16 13:32:16 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa, Lee Emard		
	. ,		





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

Inspection Activity #	2 1	nspection Sub	ject	Track C	bservat	ion and Rer	medial Action	n Verification	Activity Co	de	TR	RK	WI	PI
Job Briefing Employee Name/Title	TRST 64	5435				Accompanied Inspector?		Out Brief Conducted	Yes	Time	1000 1500		Outside Shift	No
Related Reports	201611	09-WMATA-A	D-1		Relat	ed CAPS / F	indings	Remedial Act	ions: 1004					
	Ref			Rule or S	SOP		Standard		Other / T	itle		Checkli	st Refere	ence
Related Rules, SOPs, Standards, or Other	TRST-10	000 rev. 6										ID Num	nbers	
Inspection Location	Main Track	Yard	Stati	ion	осс	RTA Facility	FTA Office	Track Type	At-grade	e Tu	nnel	Eleva	ted	N/A
	х								Х			Х		
	K-Line	Track		track 1	1	Chain Ma	rker		From	From			То	
	v-rille	Numb	er	LIDCK	L	and/or Sta	ation(s)	Dunn Loring	(K07)	(07) Vienna (K08)				
Vehicles	Head	Car Number N/A	I	Number N//		Equip	ment	N/A						
		nspectors per			•				Number	of Defect	s			2
		oring (K07) an slv-issued ren			o inspec	t track con	ditions and f	ollow up on	Recomm	ended Fi	nding?			Yes
	previou	previously-issued remedial actions.							Remedia	l Action F	Require	d?		Yes
Description	The foli	The following color-coded defect was observed:  • TRST 1000 Manual, 13.5.7: At the K08-3A switch, CM 773+00, track 1, the end approach cover board was missing. (Green Defect)  The Remedial Action for this defect was addressed in WMATA's approach to Remedial Action ID #264.  The following new non-color coded defect was observed:  • TRST 1000 Manual, 10.18: At CM754+00 the cable trough mounted on the wall has a dislodged cover that needs to be re-secured.  The following remedial actions were verified as complete:  • Remedial Action #1004: WMATA must fix the two areas of concern noted below.  1. Chain marker K1 673+80: the cross bond between track 1 and 2 is not connected on the track 1 side has been repaired.										Yes		
		<ol><li>Chai</li></ol>	n Mark	et kt civ	1744+00	. tile jollit t	oar on the rig	gnt running ran						
	To achi		loose	bolt has	been rep	paired.	oar on the rig	int running rail						





FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Increation Date	YYYY	MM	DD	Donout Number	20170812-WMATA-AG-1				
Inspection Date	2017	08	12	Report Number	20170612-VVIVIATA-		G-1		
Rail Agency Name	Washington Authority	Metropolitan A	Area Transit	Rail Agency Department	TRST	TKIN			
	l	Name		Email	Office Phone	9	N	Mobile Phone	
Rail Agency Department Contact Information		I							
Inspection Location	K-Line, track	2, Vienna (K08	) to Dunn Lorinរុ	g (K07)					

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspection Sub	ject	Job Safe	ty Brie	fing			Activity Co	de	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	TRST 6168				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0700 1500		Outside Shift	Yes
Related Reports	N/A				Relat	ted CAPS / F	indings	N/A						
	Ref Rule or S			ОР		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or Other														
	Main Track	Yard	Yard Statio		СС	RTA Facility	FTA Office	T	At-grad	e Tur	nnel	El	evated	N/A
Inspection Location	Х		Х					Track Type	Х				Х	
Line/e)	K Line	Track		tue els 2		Chain Mar	ker	From			То			
Line(s)	K-Line	Numb	er	track 2		and/or Sta	ation(s)	Dunn Loring (	K07)		Dunn Loring (K07)			
	Head	Car Number	١	Number o	of Cars		_							
Vehicles		N/A		N/A	Equipment			N/A						
			-			,		ı						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.S. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.15 15:58:24 -05'00'	<b>Date</b> hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa		





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

Inspection Activity #														
	2 Ins	pection Sub	ject	Track O	bservat	ion and Rer	medial Actio	n Verification	Activity Co	de	TR	RK	WI	PI
Job Briefing Employee Name/Title	TRST 6168	3				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0700 1500		Outside Shift	Yes
Related Reports	20160411	-WMATA-CI -WMATA-N -WMATA-A0	AV-1		Relat	ed CAPS / F	indings	Remedial Act	ions: 973, 21	ns: 973, 218, 1297, 1298				
	Ref			Rule or S	OP		Standard	"	Other / T	itle		Check	list Refere	nce
Related Rules, SOPs, Standards, or Other	TRST-1000	0 rev. 6										ID Nu	mbers	
Inspection Location	Main Track	Yard	Stati	ion (	occ	RTA Facility	FTA Office	Track Tuno	At-grade	e Tu	nnel	Elev	ated	N/A
Inspection Location	х							Track Type	Х			2	x	
	K-Line	Track		track 2	,	Chain Ma			From				То	
	K Ellic	Numb	er	truck 2		and/or St	ation(s)	Dunn Loring (	(K07)		Vienr	na (K08)		
Vehicles	Head Car Number  Number of Cars  N/A  N/A  Equipment  N/A													
	FWSO Insp	pectors perf	ormed	a track ir	nspectio	on on track	2 of the K-Lir	ne between	Number	of Defect	s			1
		n Loring (K07) and Vienna (K08) to inspect track conditions and follow up on viously-issued remedial actions.						Recomm	ended Fir	nding?			No	
	previously	/-issued rem	edial a	ictions.				Remedial Action Required?						Yes
	•		l cover	-	-		Defects, Cov ured at K2 C							





	<ul> <li>Remedial Action #218: WMATA replaced three third rail insulators in a row which were cracked at the base at K2 CM664+80.</li> <li>Remedial Action #1298: WMATA tightened captive screws on the orange boot at K2 CM708+00.</li> <li>Remedial Action #1297: WMATA replaced the orange boot at K2 CM772+00.</li> </ul>	
Remedial Action	N/A	



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Increation Date	YYYY	MM	DD	Papart Number	20170813-WMATA-AG-1					
Inspection Date	2017	08	13	Report Number	20170613-0010	/IAIA-A	41A-AG-1			
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Dep	TKIN			
	l	Name		Email	Office Phone	9	N	Nobile Phone		
Rail Agency Department										
Contact Information										
		-								
Inspection Location	F-Line, tracks	1 and 2, betw	een Branch Ave	nue (F11) and Suitland (	F10)					

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspecti	ion Subje	ect	Job Safe	ty Brief	ing			Activity Co	ode	TRI	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	TRST 6410			Accor Inspe	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	Yes	
Related Reports	N/A	N/A				Relat	ed CAPS / F	indings	N/A						
	Ref Rule or SO			ОР		Standard		Other / T	ïtle		Chec	klist Refer	ence		
Related Rules, SOPs, Standards, or Other	RWPM														
Standards, or other															
	Main Track		'ard	Station		осс	RTA Facility	FTA Office	T	At-grad	e Tur	nnel	Elev	vated	N/A
Inspection Location	Х			Х					Track Type	х				х	
Lima(a)	F-Line		Track		tracks 1	1	Chain Mai	ker	From			То			
Line(s)	r-Line		Number	•	and 2		and/or Sta	ation(s)	Branch Avenu	ue (F11)	Branc	Branch Avenue (F11)			
	Head	d Car Nu	mber	N	lumber c	of Cars		_							
Vehicles		N/A		N/A			Equipment		N/A						
Description	TRST u	ınit 6410	) conduct	ed a j	ob safety	/ briefin	g at the Bra	nch Avenue	briefing table.	Number	Number of Defects				0

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.15 16:05:54 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa		





	The briefing was fully compliant with WMATA's roadway worker protection (RWP)	Recommended Finding?	No
	requirements and included the safety rule of the day, hot spots, ID verification, personal protective equipment (PPE) verification, type of on-track protection,	Remedial Action Required?	No
	hazards, and hospital location.  The FWSO Inspector took no exceptions to the job safety briefing.		
	Other Notable Observations:  While exiting the shutdown area at Suitland Station, it was observed that the job safety briefer located at Suitland was issuing the wrong color tags. SAFE officer 207 brought this to the briefer's attention and reported the incident.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2	Insp	ection Subj	ject	Trac	ck Obse	ervation	and Rei	medial Actior	Nerification	Activity Co	de	TR	K	WI	PI
Job Briefing Employee Name/Title	SAFE	207					Accomp Inspecto		Yes	Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	Yes
Related Reports	20117	70622	-WMATA-A	G-1		F	Related	CAPS / I	Findings	Remedial Acti	ions: 1381 aı	nd 1382				
	Ref				Rule	or SOP	)		Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST-	1000	rev. 6								ID Num				umbers	
Standards, or Other																
languation Landing	Mai Trac		Yard	Sta	ion OCC RTA FTA FTA Office Track Type		Tuesda Tarres	At-grade	e Tu	nnel	Ele	vated	N/A			
Inspection Location	х				Track Type			Х				х				
	F-Line		Track		tracks 1 Chain Marker					From				То		
	F-LITTE	:	Numbe	er	and	d 2	ar	nd/or St	ation(s)	Branch Avenu	ıe (F11)		Suitla	nd (F1	0)	
Walifala.	Hea	d Car	Number		Numb	per of C	Cars	F		21/2						
Vehicles		N/	<b>/</b> A			N/A		Equip	ment	N/A						
			•			•				on the F-Line	Number	of Defect	s			0
			ranch Aven n previousl		,			•	riew track cor	nditions and	Recomm	ended Fir	nding?			No
	TOTION	v up o	iii previousi	y-1330	ieu i ei	lliculai	actions.	•			Remedia	l Action F	Require	d?		No
Description	The fo	The FWSO Inspector did not note any defects.  The following remedial actions were verified as complete:  Remedial Action #1381: At CM 448+38, track 1, the Emergency Trip Station (ETS) light has been repaired.  Remedial Action #1382, At CM 488+36, track 2, the light and the latch on the ETS box have been repaired.														
Remedial Action	N/A															

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

rsion date: 8/26/16 2



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170815-WN	10T0 0	G 1				
mspection Date	2017	08	15	Report Number	20170813-001	20170013 WWATA AG 1					
Rail Agency Name	Washington Authority	Metropolitan A	Area Transit	Rail Agency Department	POWR	artment	СМ				
	1	Name		Email	Office Phone	9	N	Nobile Phone			
Rail Agency Department Contact Information											
contact mornation							,				
Inspection Location	Surge Shutdown - (Branch Avenue (F11)) – track 1 and Traction Power Substation (TPSS)										

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	nspection Sul	oject		Bran	ch Avenue (F	11) – Safety	Bri	iefing	Activity Co	ode	TF	0	JSB	OBS
Job Briefing Employee Name/Title	Surge S Briefer	hutdown Ded	icated Safet	У		mpanied ector?	Yes		Out Brief Conducted	Yes	Time	0100 to 0500		Outside Shift	Yes
Related Reports					Relat	ted CAPS / F	indings								
	Ref				Rule	Standard			Other / T	itle		Check	list Refere	ence	
Related Rules, SOPs, Standards, or Other	RWPM														
Inspection Location	Main Track	Yard	Station	on OCC		RTA Facility	FTA Office		rack Type	At-grade	e Tun	nel	Elev	ated	N/A
·	Х									×					
Line(s)	F-Line	Track	Number		N/A	Chain N	Marker			From				То	
Line(s)	r-Line	Hack	Number		IN/A	and/or	Station(s)		Branch Ave	nue (F11)		Bra	anch Av	enue (F11	)
	Head	Car Number	Num	ber c	of Cars				. / ^						
Vehicles		N/A		N/A	١.	Equip	nent	N/A							
		•			safety briefing at the surge shutdown briefing oment (PPE) and roadway worker protection					Number	of Defects				0
Description		ll personal pro Ds were chect	•		•	•		rot	ection	Recomm	ended Fin	ding?			No
	(1.001)	D3 WCTE CHECK	nea and the	VVOIR	VIII 9 III I	iits were rev	ic vv cu.			Remedial Action Require			d?		No

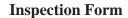
<sup>&</sup>lt;sup>1</sup> The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.08.18 06:11:23 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		



	neare brace roady	oriefer covered the locations est hospital and safety rule o elet—indicating their receipt way.  FWSO Inspector noted no de	f the day. FWSO person of the briefing—and we	nel were pro	ovided a	Recomm	ended Re	inspection?	ı	No
Remedial Action	N/A									
Inspection Activity #	2	Inspection Subject	Surge Shutdown – B Replacement	ranch Avenu	e (F11) Cable	Activity Co	ode	TP	RM	OBS
Job Briefing	Surge	e Shutdown Dedicated	Accompanied	.,	Out Brief			0100 to	Outside	,

	N/A												T			
Inspection Activity #	2 1	nspectio	n Subj	ect	Surge Sl Replace			ranch Avenu	e (I	F11) Cable	Activity Co	de		ГР	RM	OBS
Job Briefing Employee Name/Title	Surge S Safety I	hutdown Briefer	Dedic	ated	Accomp			Yes		Out Brief Conducted	Yes	Time		00 to 500	Outside Shift	Yes
Related Reports					Related	I CA	PS / Find	lings								•
	Ref				Rule or	SOF	)	Standard			Other / T	itle		Che	cklist Refere	ence
Related Rules, SOPs, Standards, or Other	DRAWI REVISIO ENGINE INSTRU JUMPE TRANSI REPLAC	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (REVISION 2, SEPTEMBER 16, 2016)  Main Track Yard Station														
Inspection Location		Yaı	rd	Station	OCC RTA Facility			FTA Office	Т	rack Type	At-grade	e Tu	nnel	Ele	evated	N/A
	Х										X					
											From				То	
Line(s)	F-Line	Т	rack N	lumber	track 1 Chain Marker and/or Station(s)				F2 538+50 F2 539+00 F2 539+00		turn)	F2	539+0	0 (pigtails) 0 (pigtails) 0 (negative	return)	
	Head	Car Num	ber	Numb	er of Cars											
Vehicles		N/A		ı	N/A		Equip	ment	P	ower Cables	(1000 kcmil	, 2 kV)				
		•						and electrical			Number	of Defec	ts			0
		_		_				s, two transit ables. The sp			Recomm	ended Fi	nding	)		No
								the impedanc			Remedia	l Action I	Requir	ed?		No
Description	kcmil w length   cables t  During and tra jumper Septem person	In WMATA's shop before the night of work, eleven 6-foot length portions of 1000 kcmil were cut and pre-meggered for the pigtails to be installed. Eight 25-foot length portions of 1000 kcmil were cut and pre-meggered for the negative return cables to be pieced out.  During the inspection, an FWSO Inspector observed the contractor installing feeder and transition cable pigtails per the Engineering Modification Instruction (EMI) for jumper, expansion, and transition power cables replacement system wide, issued September 16, 2016. Additionally, the FWSO Inspector observed WMATA power personnel megger the eight negative return cables after they were pieced out.  The FWSO Inspector and WMATA personnel did not note any defects during the cable replacement.												No		
Remedial Action	N/A															





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

United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170816-WMATA-AG-1						
mspection bate	2017	08	16	Report Humber	20170810-4410	20170010 ********************************					
Rail Agency Name	Washington Authority	Metropolitan <i>l</i>	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment	CBL. IN.			
	l	Name		Email	Office Phone	9	N	Nobile Phone			
Rail Agency Department Contact Information											
contact mornation							,				
Inspection Location	Pentagon (C07) to Arlington Cemetery (C06) - track 2										

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspec	tion Subj	ect			agon (C07) - ile Work Cre	Job Safety Br ew)	ief	fing	Activity Code		Т	Р	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA RWI	С				mpanied ector?	Yes		Out Brief Conducted	Yes	Time	100 14		Outside Shift	No
Related Reports	N/A					Relat	ed CAPS / F	indings N/A		N/A						
	Ref					Rule	or SOP	Standard			Other / Title			Che	cklist Refere	ence
Related Rules, SOPs, Standards, or Other	RWPI	М				R-17-	02									
Standards, or Other	MSRF	РН				R-17-	03									
Inspection Location	Mai Trad		Yard	Station	С	CC	RTA Facility	FTA Office	Track Type		At-grade	e Tur	nnel	Ele	evated	N/A
,	Х										х		X			
											From				То	
Line(s)	C-Line	e	Track N	lumber		track 2		Station(s)		N/A			N/	A		
	Hea	ad Car N	umber	Numb	er o	r of Cars										
Vehicles		N/A			N/A	Equipment A			N	N/A						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.18 06:12:17 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	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	Recommended Finding?	No
	worker protection (RWP) IDs were checked and the working limits were reviewed.  The WMATA RWIC covered the nearest hospital and safety rule of the day. The	Remedial Action Required?	No
Description	hazards, clearance areas, and communication were used as part of the day. The hazards, clearance areas, and communication were used as part of the discussion.  In addition to the required PPE, the Advanced Mobile Flagger (AMF) did have the required equipment, and was compliant with "WMATA PERMANENT ORDER R-17-03, ADVANCE MOBILE FLAGGER, (FRIDAY APRIL 28, 2017)." This equipment consisted of WMATA-approved flashing amber lantern/E-flare, orange flag (18"x18"), calibrated working radio, air horn, and whistle.  The AMF did notify the RWIC via positive communication (phone) that he was in place (next station ahead in the direction the mobile crew walked). The flashing amber lantern /E-flare and orange flag had been positioned at the end of the platform (8-car marker or endgate).  The FWSO Inspector noted no defects.  Other Notable Observations:.  The FWSO Inspector observed the WMATA RWIC request foul time for three "hotspots" (i.e., interlocking, curve: restricted view, and portal) encountered during mobile work crew's cable inspection walk. One hundred percent repeat back did occur on radio communication between the RWIC and the Rail Operations Control Center (ROCC). The RWIC relinquished foul time once the mobile work crew completely walked through each "hotspot." No issues/concerns or exceptions taken to the RWIC performing his duties. The RWIC was in compliance with WMATA PERMANENT ORDER R-17-02 GRANTING FOUL TIME (FRIDAY APRIL 28, 2017).	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2 I	nspection Sub	ject		Walkir	ng Observa	tion (Cable Ir	nsp	ection)	Activity Co	de	Т	Р	WI	OBS
Job Briefing Employee Name/Title	WMATA	RWIC			Accompanied Inspector?		Yes		Out Brief Conducted	Yes	Time	100 14	00- 00	Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A			N/A				·			
	Ref				Rule or SOP Standard					Other / Title			Che	cklist Refer	ence
	TRST 10	00													
Related Rules, SOPs,	ndards or Other														
Standards, or Other	INSTRU EXPANS POWER SYSTEM	ERING MODIF CTIONS (EMI) ION, AND TRA CABLES REPLA WIDE (REVISI BER 16, 2016)	FOR JUMPEI INSITION ACEMENT ON 2,												
	Main Track	Yard	Station	C	осс	RTA Facility	FTA Office			At-grade	e Tu	nnel	Ele	evated	N/A
Inspection Location	Х							1	Frack Type	Х		Х			
Line(s)	C-Line	Track	Number		track	Chain N	/larker			From			То		
Line(s)	C-Line	IIdck	Number		2	and/or	Station(s)		Pentagon (	C07)		Ar	lingtor	n Cemetery	(C06)
Vehicles	Head	Car Number	Numb	oer c	of Cars		ment	N	N/A						
v Cinicies		N/A		N/A	/A Equipment				1970						

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Version date: 8/26/16 2





Description	Daily cable inspections are part of the holistic approach WMATA has instituted to	Number of Defects	3
	prevent cable fires and arcing incidents. The pictures taken and issues noted were	Recommended Finding?	Yes
	entered into a database for nighttime cable repair crews to fix.	Remedial Action Required?	Yes
	<ul> <li>The following color-coded defects were observed:         <ul> <li>TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 236+00. (Green Condition)</li> <li>TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 228+50. (Green Condition)</li> <li>TRST 1000 Manual, 13.3.14: Third rail cover board missing at C2 225+00. (Green Condition)</li> </ul> </li> <li>Remedial actions for these defects were addressed in WMATA's approach to Remedial Action ID #264.</li> <li>Other Notable Observations:         <ul> <li>C2 236+00 – Expansion cables lying on the ground.</li> <li>C2 207+00 - Expansion cables lying on the ground and broken cable clamp and Kindorf strap.</li> </ul> </li> </ul>	Recommended Reinspection?	Yes
Remedial Action	To achieve compliance with WMATA's requirements:  • WMATA must replace the missing cover board at C2 236+00  • WMATA must replace the missing cover board at C2 228+50  • WMATA must replace the missing cover board at C2 225+00		

Form FTA-IR-1

FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# Agency/Department Information

Increation Date	YYYY	MM	DD	Papart Number	20170818-WMATA-AG-1					
Inspection Date	2017	08	18	Report Number						
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Dep	artment	TKIN		
	l	Name		Email	Office Phone	9	N	Nobile Phone		
Rail Agency Department										
Contact Information										
		_								
Inspection Location	B-Line between Rhode Island Avenue (B04) and NoMa-Gallaudet Univ. (B35)									

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspection Sub	ect	Job Safe	ty Brief	fing			Activity Co	ode	TRI	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 62	225			Accor Inspe	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	No
Related Reports	N/A			Related CAPS / Findings N/A			N/A							
	Ref			Rule or S	ОР		Standard		Other / T		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or other														
	Main Track	Yard	Statio	on C	осс	RTA Facility	FTA Office	T	At-grad	e Tur	nnel	Ele	evated	N/A
Inspection Location	Х		Х					Track Type	х			х		
Line (a)	Dilina	Track		tue el. 1		Chain Mar	ker	From			То			
Line(s)	B-Line	Numbe	er	track 1		and/or Sta	ation(s)	Rhode Island	Avenue (B04	1)	NoMa-Gallaudet Univ. (B35)			
	Head	Car Number	N	lumber o	of Cars									
Vehicles		N/A		N/A		Equip	ment	N/A						
			•					•						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U5. Government, ou=FRA FRAFtWorth <sup>1</sup> ANTHONY GIOVANDO Date: 2017.08.25 12:01:16 -05'00'	Date IX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa		



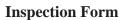


Description	TRST unit 6225 conducted a job safety briefing at the Rhode Island Avenue station	Number of Defects	0
	platform. The briefing was fully compliant with WMATA's roadway worker protection (RWP) requirements and included the safety rule of the day, hot spots,	Recommended Finding?	No
	ID and personal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

Inspection Activity #	2 In:	spection Sub	iect	Track	Observa	tion a	nd Ren	nedial Action	n Verification	Activity Code TRK			WI	PI	
Job Briefing Employee Name/Title	RWIC, 62	25, Advance AMF 6210			Acco	Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time 09			Outside Shift	No
Related Reports					Rela	ted C	APS / F	indings							
	Ref			Rule o	SOP			Standard		Other / T	itle		Checklist Reference		
Related Rules, SOPs, Standards, or Other	TRST-100 6	RST-1000 Manual, rev.												mbers	
Inspection Location	Main Track	Yard	Stat	tion	осс	OCC RTA Facility		FTA Office	Track Type	At-grade	e Tu	nnel	Elev	ated	N/A
inspection Location	х								Track Type	х			Х		
	B-Line	Track		track 1 Chain M		in Mar	ker		From	·			То		
	D-LINE	Numbe	er	track	track 1		and/or Station(s) Rhode Island		Avenue (B04	1)	NoMa	-Gallau	det Univ.	(B35)	
Vehicles	Head C	ar Number		Numbe	r of Cars		Equip		N/A						
venicies		N/A		N	/A		Equipi	nent	IN/A						
		Inspector pe			•					Number of Defects					0
		nd NoMa-Ga on previousl			•		o obse	rve track cor	nditions and	Recomm	ended Fir	nding?			No
	Tollow up	on previous	y 1550	ica reiiii	caiai acci	0113.				Remedia	l Action R	equired	l?		No
	The FWS	O Inspector o	lid no	t note a	ny defec	cts.									
Description	No reme	dial actions v	vere li	isted on	track 1	betwe	een B04	4 and B35.							
										Recomm	ended Re	inspecti	ion?		No
		table Observ			V 1 1 ! !										
	•	the wires. (	-			•	on box	cover was b	roken exposing						
Remedial Action	N/A														



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



FOIA Exemption: All (b)(6)

Form FTA-IR-1



United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170819-WMATA-AG-1					
mspection Date	2017	08	19	Report Number						
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRPM Sub- Department					
	ı	Name		Email	Office Phone	2	N	lobile Phone		
		<u> </u>								
Rail Agency Department Contact Information										
Inspection Location	Surge Shutdown - Naylor Road (F09) to Suitland (F10) – tracks 1 and 2									

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Inspec	tion Subj	ject		Naylo	or Road (F09	) – Safety Bri	efi	ng	Activity Co	de	TF	)	JSB	OBS
Job Briefing Employee Name/Title	Shutd	lown De	edicated S	Safety Briefe	er	Accompanied Inspector?		Yes		Out Brief Conducted	Yes	Time	0900 to 1300		Outside Shift	No
Related Reports	N/A					Related CAPS / Findings		١	N/A							
Balata de Las CORs	Ref					Rule	or SOP	Standard			Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	VI														
Inspection Location	Mai Trac		Yard	Station	C	СС	RTA Facility	FTA Office	Т	rack Type	At-grade	e Tun	nel	Ele	evated	N/A
	Х								7,1		x				Х	
Line(s)	F-Line		Track N	Number		N/A	Chain Marke		Marker		From		То			
Line(s)	r-Lille	:	Hack	vuilibei		N/A	and/or	Station(s)		Naylor Roa	d (F09)		Sui	tland	(F10)	
Walth.	Hea	d Car N	umber	Numb	ber o	of Cars										
Vehicles		N/A			N/A		Equipr	nent	I I	I/A						
				•					•							

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.23 14:27:11 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		



Description	FWSO personnel received a job safety briefing from the shutdown briefing table. All	Number of Defects	0
	personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The briefer covered the	Recommended Finding?	No
	locations and types of work taking place, as well as the nearest hospital and safety	Remedial Action Required?	No
	rule of the day. FWSO personnel were provided a bracelet—indicating their receipt of the briefing—and were granted access to the roadway.  The FWSO Inspector noted no defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Remedial Action	N/A															
Inspection Activity #	2 Ins	pection Sub	ject	Surge S	hutdo	own – \	Walking Cable	Inspection	Activit	y Code		TP	)	WI	OBS	
Job Briefing Employee Name/Title	Shutdowr Briefer	Dedicated :	Safety	Accomp		d	Yes	Out Brief Conducted	Yes	Т	ime	0900 130		utside Shift	No	
Related Reports	N/A			Related	I CAP	S / Find	dings	N/A								
	Ref			Rule or	SOP		Standard		Othe	Other / Title				Checklist Reference		
Related Rules, SOPs, Standards, or Other	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEMWIDE (REVISION 2, SEPTEMBER 16, 2016)															
Inspection Location	Main Track	Yard	Station	OCC	CC RTA FTA Facility Office Track Type				rade	Tur	nnel	Eleva	ted	N/A		
	Х									Х			Х			
Line(s)	F-Line	Track	Number	tracks 1 and 2			Marker Station(s)	From pad (F09)			Suit	land (F1	To (F10)			
	Head Ca	r Number	Numb	per of Cars												
Vehicles	1	N/A		N/A		Equip	ment	N/A								
					•	•	rming a tract	•	_	ber of	Defects	5			4	
							ween Naylor ver cable and	. ,	Reco	mmen	ded Fin	ding?		,	Yes	
	,	•	•	mopeeted	cracci	on pov	er cable and	component	Rem	edial A	ction R	equired	1?	,	Yes	
Description	The following non-color-coded defects were observed:  DD-TP-SSI-013: Orange boot power assembly touching 3 <sup>rd</sup> rail cover board and needs more clearance at F2 383+00.  DD-TP-SSI-013: Unused conduit was not capped at F2 382+00.  DD-TP-SSI-013: Unused conduit was not capped at F2 382+00.  DD-TP-SSI-013: Broken orange boot power assembly at F2 398+00. (See Figure 1).  Recommended Reinspection?  Yes  Other Notable Observations:  Transition cables lying on the ground at F1 398+00.  Expansion cables lying on the ground at F1 and F2 408+00.										Yes					
Remedial Action	<ul><li>WM</li><li>WM</li></ul>	ATA must ca ATA must ca	crease clear ap unused co ap unused co	ance betwonduit at Fa	een t 2 383 2 382	he orai +00. +00.	nge boot pow	·	and 3 <sup>rd</sup> rail	cover	board a	nt F2 38	3+00.			





### Photos:



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

FOIA Exemption: All (b)(6)

Form FTA-IR-1



United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170821-WN	/ATA A	C 1	
inspection date	2017	08	21	Report Number	20170621-001	VIA I A-A	.G-1	
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	TRST	Sub- Dep	artment	TKIN
	ı	Name		Email	Office Phone	e	N	1obile Phone
Rail Agency Department		ī						
Contact Information								
		Ī						
Inspection Location	K-Line, track	2, Dunn Lorin	g (K07) to West	Falls Church (K06)				

### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Insped	tion Subj	ect	Job Safe	ty Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST	6159				Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	No
Related Reports	N/A	A				Related CAPS / Findings N/A									
	Ref Rule or			Rule or S	OP		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPI	М													
Standards, or Strict															
	Mai Trad		Yard	Stati	ion OCC		RTA Facility	FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	Х			Х					Track Type	Х				х	
Line(a)	I/ Lin		Track		Aug al. 3		Chain Ma	rker		From				То	
Line(s)	K-Lin	е	Numbe	r	track 2		and/or St	ation(s)	West Falls Ch	urch (K06)		Dunn	Lorin	g (K07)	
	Hea	d Car N	umber	1	Number c	er of Cars									
Vehicles		N/A			N/A Equipment N/A										
Description										Number	of Defect	s			0

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: C=US, 0=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.08.23 14:31:13 -05'00'	<b>Date</b> TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa, Lee Emard		





								Loring station		Recomm	ended Fi	nding?			No	
								ay worker pr e day, hot sp		Remedia	l Action I	Require	ed?		No	
	perso	onal p	orotective e	quipm	ent (PP	PE) verific	cation, type		n, hazards, and	Recomm	ended Re	einspec	ction?		No	
Remedial Action	N/A															
Inspection Activity #	2	Ins	pection Sub	ction Subject Track Observation and Remedial Action Verification							Activity Code T		RK	WI	PI	
Job Briefing Employee Name/Title	TRST	6159	)		Accompanied Inspector?			Yes	Out Brief Conducted	Yes	Time	0900		Outside Shift	No	
Related Reports	N/A	/A Related CAPS / Findings N/A														
Related Rules, SOPs,	Ref				Rule o	r SOP		Standard		Other / 1	Title		Chec	klist Reference		
Standards, or Other	TRST	-1000	) rev. 6								I			D Numbers		
	Mai Trac		Yard	Stat	ion	осс	RTA Facility	FTA Office		At-grad	e Tu	Tunnel		vated	N/A	
Inspection Location	Х								Track Type	Х			Х			
	K-Lin	6	Track		track	k 2	Chain Ma			From				То		
			Numb	_			and/or St	tation(s)	West Falls Ch	urch (K06)		Dunn	1 Loring	g (K07)		
Vehicles	Hea		r Number /A			r of Cars		ment	N/A							
	FWS0		,	orme		<u> </u>	tion on trac	k 2 of the K-L	ine between	Number	of Defect	is			2	
			. ,					ect track con	ditions and	Recomm	ended Fi	nding?			Yes	
	101101	w up	on previous	1y-1550	ieu rem	ieuiai aci	LIOTIS.			Remedia	l Action I	Require	ed?		Yes	
Description	The f	ollov •	connected TRST 1000	Manı Manı	ual, 13.3 ual, 10.3	<b>3.4:</b> At Ki <b>17.4.1:</b> A	2 617+50, t	he third rail a 0, K06 30 sigr	anchor was not nal, relay rail	Recommended Reinspection?				Yes		
Remedial Action	To ac	ehieve		ust re	connec	t third ra		t K2 617+50 (2 529+00.								



FOIA Exemption: All (b)(6)

Form FTA-IR-1



United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170821-WMATA-AG-2				
mspection Date	2017	08	21	Report Number	20170821-0010	/IA I A-A	U-Z		
Rail Agency Name	Washington Authority	Metropolitan .	Area Transit	Rail Agency Department	I RPM Sun-Denartment				
	ı	Name		Email	Office Phone	e	N	Nobile Phone	
Rail Agency Department Contact Information									
Contact information									
Inspection Location	Line Segmen	t Shutdown –	F1 438+00			·			

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1 In:	spection Sub	ject		Naylo	r Road (F09	) – Safety Bri	efir	ng	Activity Co	de	TI	Р	JSB	OBS
Job Briefing Employee Name/Title	Line Segr Safety Br	Segment Shutdown Dedicated ry Briefer			Accompanied Inspector?		Yes		Out Brief Conducted	Yes	Time	2200		Outside Shift	Yes
Related Reports	N/A	N/A				Related CAPS / Findings N/A									
	Ref				Rule	or SOP	Standard			Other / T	itle		Che	cklist Refere	ence
Related Rules, SOPs, Standards, or Other	RWPM	PM													
Standards, or other															
Inspection Location	Main Track	Yard	Station	0	CC	RTA Facility	FTA Office	Т	rack Type	At-grade Tu		Tunnel		evated	N/A
	Х								71	x					
Line(s)	F-Line	Track	Number		N/A	Chain M	1arker			From				То	
Lille(S)	r-Line	Hacki	vuilibei		N/A	and/or	Station(s)		F1 438+00			F1	438+0	00	
	Head C	ar Number	Numb	er o	f Cars										
Vehicles		N/A		N/A		Equipr	nent	N	I/A						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.23 14:36:55 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		





Description	FWSO inspector received a job safety briefing from the line segment shut down	Number of Defects	0
	briefing table. All personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. The	Recommended Finding?	No
	briefer covered the locations and types of work taking place, as well as the nearest	Remedial Action Required?	No
	hospital and safety rule of the day. FWSO inspector was provided a bracelet, indicating the receipt of the briefing, and was granted access to the roadway.  The FWSO Inspector noted no defects.	Recommended Reinspection?	No
Remedial Action	N/A		

Inspection Activity #	2 lı	nspection Sub	ject	Cable Re	eplaceme	nt Observation	l	Activity Co	de	Т	Р	RM	OBS
Job Briefing Employee Name/Title	_ ~	ment Shutdov ed Safety Brie		Accomp		Yes	Out Brief Conducted	Yes	Time	2200		Outside Shift	Yes
Related Reports	N/A			Related	CAPS / F	ndings	N/A	1					
	Ref			Rule or	SOP	Standard	'	Other / T	Other / Title			list Refere	ence
Related Rules, SOPs, Standards, or Other	TRACTION POWER DESIGN DRAWING (DD-TP-SSI-013, REVISION 0, AUGUST 2001) ENGINEERING MODIFICATION INSTRUCTIONS (EMI) FOR JUMPER, EXPANSION, AND TRANSITION POWER CABLES REPLACEMENT SYSTEM WIDE (REVISION 2, SEPTEMBER 16, 2016)												
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	FTA Office	Track Type	At-grade	e Tui	nnel	Elev	ated	N/A
	Х							Х					
Line(s)	F-Line	Track	Number	track 1	track 1 Chain Marker and/or Station(s) F1 438+00		From	From F1			То		
Vehicles		Car Number N/A		oer of Cars	-	ipment	Power Cable	s (1000 kcmil	, 2 kV)	·			
		•		•	•	ent and electri	cal contractors	Number	of Defect	s			0
	cables.	ing the task o	recomigan	ing the one	,iiiai iiista	ilation of four	гаринзіон		ended Fir				No
Description	expansion touching Enginee power c	on cables such g) when conne ring Modificat ables replacer	that the ca ected to the ion Instruct ment system	Remedial Action Required?  //SO Inspector observed the contractor reconfigure four ne cables no longer crossed over each other (cables of the 3 <sup>rd</sup> rail. The cables were reinstalled per the cruction (EMI) for jumper, expansion, and transition stem wide, issued September 16, 2016.  Recommended Reinspection?						No			
Remedial Action	N/A												



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170921 \\/\	10T0 0	G 2	
inspection Date	2017	08	21	Report Number	20170821-WMATA-AG-3			
Rail Agency Name	Washington Authority	Metropolitan .	Area Transit	Rail Agency Department	TRPM	Sub- Dep	artment	
	1	Name		Email	Office Phone	e	N	Nobile Phone
Rail Agency Department Contact Information								
Contact information								
Inspection Location	Van Ness - U	DC (A06) Tract	ion Power Sub	station (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 <sup>1</sup>	No	No				
Recommended Reinspection	No	No				

# **Activity Summaries**

Inspection Activity #	1	Inspe	ction Sub	ject	Job Safe	ety Brie	fing			Activity Co	ode	TF	)	JSB	OBS
Job Briefing Employee Name/Title	WMA	ATA Pow	ver Persor	nnel			mpanied ector?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	No
Related Reports	N/A					Related CAPS / Findings N/A									
	Ref Rule or S			OP		Standard		Other / T	itle		Che	cklist Refer	ence		
Related Rules, SOPs, Standards, or Other	RWPM														
Startauras, or Strict															
	Ma Tra		Yard	Stati	ion (	ОСС	RTA Facility	FTA Office	T	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location				Х					Track Type						Х
Line (a)	۸ ۱:	_	Track		N1/0		Chain Marker		From			То			
Line(s)	A-Lin	е	Numbe	er	N/A		and/or St	ation(s)	N/A			N/A			
	Hea	ad Car N	Number		Number o	of Cars						•			
Vehicles		N/A	<b>A</b>		N/A Eq		Equip	ment	N/A						

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.08.23 14:41:08-05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Tino Sahoo		





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

Inspection Activity #	2 In	spection Sub	ject		, ,	Switchgear F Maintenance		Activity Co	ode	TP	RM	OBS
Job Briefing Employee Name/Title	WMATA	Power Perso	nnel	Accompanied Inspector?			Out Brief Conducted	Yes	Time	1000- 1400	Outside Shift	No
Related Reports	N/A			Related CAPS / Findings N/A						,		
	Ref			Rule or	SOP	Standard		Other / T	ïtle		Checklist Refe	rence
Related Rules, SOPs, Standards, or Other	MSRPH											
Standards, or Other												
Inspection Location	Main Track	Yard	Station	осс	OCC RTA FTA Office Track Type		At-grad	e Tu	nnel	Elevated	N/A	
inspection Location			х			ттаск туре						Х
Line(s)	A-Line	Track	Number	N/A Chain Marker and/or Station(s) N/A			From		N/A	То		
	Head C	ar Number	Numb	er of Cars						_		
Vehicles		N/A	1	N/A	Equip	ment	750 V DC (Wr	nipp and Bou	irne – Ma	nufactur	rer) DC Feeder	Breakers
		Inspector of			•			Number	of Defect	0		
		ance on a dire switchgear lo	•	,			(Whipp and	Recomm	ended Fi	nding?		No
	Bourney	Switchgear 10	catea iii tiic	craction p	ower substi	ition.		Remedia	l Action F	Required	!?	No
Description	breaker (SWGR). ensure it amazite proper " properly	(SO inspector observed WMATA power personnel troubleshoot a DC feeder eaker (#34) that would not "rack-in" properly into its cubicle in the DC switchgear WGR). The DC overcurrent relay (76) was checked for proper operation and to sure it was not preventing the feeder breaker from being "racked-in". The azite grounding pad underneath the DC SWGR was warped and preventing oper "racking-in" of the feeder breaker. WMATA power personnel were able to operly "rack-in" the DC feeder breaker.								No		
Remedial Action	N/A	o mspecior a	AIIG VVIVIATA	personne	i did fiot fio	te any delec	i.					



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170822-WN	10T0 0	C 1			
inspection bate	2017	08	22	Report Number	20170622-001	VIA I A-A	IATA-AG-1			
Rail Agency Name	Washington Metropolitan Area Trans Authority			Rail Agency Department	TRST Sub- Department T			TKIN		
	ı	Name		Email	Office Phone	e	N	Nobile Phone		
Rail Agency Department		I								
Contact Information		l								
Inspection Location	C-Line, tracks 1 and 2, Pentagon (C07) to Pentagon City (C08)									

#### **Inspection Summary**

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

# **Activity Summaries**

Inspection Activity #	1	Inspection Sul	ject	Job Saf	ety Brie	fing			Activity Co	ode	TRI	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	159			Accor	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	No
Related Reports	N/A				Related CAPS / Findings N/A									
	Ref Rule or			SOP		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or Other														
Inspection Location	Main Track	Yard	Stat	ion (	эсс	RTA Facility	FTA Office			e Tui	nnel	Ele	evated	N/A
	Х		Х								X			
Lina/a)	Clina	Track	•	Tracks	Chain Ma		arker		From	То				
Line(s)	C-Line	Numb	er	1 & 2		and/or St	ation(s)	Pentagon (C07)			Pentagon City (C08)			
	Head	Car Number		Number	of Cars									
Vehicles		N/A		N/A	A	Equip	ment	N/A						

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=U5, o=U.S. Government, ou=FRA FRAFtWort ANTHONY GIOVANDO Date: 2017.08.23 14:44:55 -05'00'	Date hTX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa, Lee Emard		





Description	TRST unit 6168 conducted a job safety briefing at Pentagon Station (C07)	Number of Defects	0
	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
	hazards, and hospital location.		
	The FWSO Inspector took no exceptions to the job safety briefing.	Recommended Reinspection?	No
Remedial Action	N/A		

Remedial Action	N/A	A													
Inspection Activity #	2	Insp	pection Sub	ject	Track O Verifica		tion and Re	medial Actio	n	Activity Co	ode	TRK		WI	PI
Job Briefing Employee Name/Title	TRST	6159	1	'	Yes		Out Brief Conducted	Yes	Time	0900 1500		Outside Shift	No		
Related Reports	2017	0718-	-WMATA-A	G-1		Relat	ted CAPS /	Findings	Remedial Act	ions, 1483, 1	1484, 148	37, 1488	8 & 150	07	
	Ref				Rule or S	OP		Standard		Other / T	itle		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST-1000 rev. 6														
Inspection Location	Mai Trad		Yard	Statio	on (	OCC	RTA Facility	FTA Office	Track Tune	At-grade	e Tu	nnel	Elev	vated	N/A
Inspection Location	Х								Track Type			X			
Line(s)	C-Lin	Δ	Track		Tracks		Chain Ma	rker		From			То	То	
Lilie(3)	C-LIII		Numb	er	1 & 2		and/or St	ation(s)	Pentagon (C0	7)		Penta	agon Ci	ty (C08)	
Vehicles	Hea	ıd Car	r Number	N	lumber o	of Cars	Faula		NI/A						
venicles		N,	/A		N/A Equipment N/A										
		FWSO inspectors performed a track inspection on tracks 1 & 2 of the C-Line between Pentagon (C07) and Pentagon City (C08) to inspect track conditions and								Number	of Defect	ts			0
					_		. ,	spect track c	onditions and	Recommended Finding?					No
		·	•	•						Remedial Action Required?					No
Description		ow up on previously issued remedial actions.  Remedial Action Required?  No  defects were noted.  • Remedial Action 1483; At C1 289+00 the frog point at switch C08-3A switch appeared to have been welded and compliant with WMATA maintenance standards.  • Remedial Action 1484, At C1 289+00 the frog at the C08-1A switch has been replaced.  • Remedial Action 1487, At C1 289+00 the frog at the C08-1A switch has been replaced.  • Remedial Action 1488, At C1 289+00 the tunnel work light at C08-1A switch has been replaced.  • Remedial Action 1507, At C1 290+00 the end coverboard has been replaced											No		
Remedial Action	N/A														

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Version date: 8/26/16 2



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170822-WMATA-AG-2					
inspection Date	2017	08	22	Report Number						
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Department				
	ı	Name		Email	Office Phone		N	Nobile Phone		
Rail Agency Department Contact Information										
Contact information										
Inspection Location	A-Line, track 2, Rockville (A14) to Twinbrook (A13)									

#### **Inspection Summary**

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

# **Activity Summaries**

Inspection Activity #	1	Inspecti	ion Subj	ect	Job Safe	ty Brie	fing			Activity Co	ode	TR	ιK	JSB	OBS
Job Briefing Employee Name/Title	TRST	6225					mpanied ector?	Yes Out Brief Conducted		No	Time	0930 1300		Outside Shift	No
Related Reports	N/A				Relat	ted CAPS /	Findings	N/A							
	Ref Rule or SO			ОР		Standard		Other / T	itle		Che	cklist Refer	ence		
Related Rules, SOPs, Standards, or Other	RWPM														
Standards, or other	MSRP	'H													
		Main Yard Statio		on (	OCC RTA Facility		FTA Office	T	At-grade	e Tu	nnel	el Elevated		N/A	
Inspection Location	Х								Track Type	Х					
Line (a)	۸ ۱:۰۰		Track		Aug al. 3		Chain Ma	rker		From	,			То	
Line(s)	A-Line		Numbe	r	track 2		and/or S	tation(s)	Rockville (A14	1)		Twink	brook	(A13)	
	Hea	d Car Nu	ımber	1	Number o	of Cars									
Vehicles		N/A			N/A		Equi	oment	N/A						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWorthT ANTHONY GIOVANDO Date: 2017.08.25 12:00:41 -05'00'	Date X, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Robert Maniuszko		





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

Inspection Activity #	2 Ins	pection Subj	ect	Remedia	al Actio	n Track Insp	pection Verif	ication	Activity Co	ode	TR	K	WI	PI
Job Briefing Employee Name/Title	TRST 6225	5			Accor	mpanied ctor?	Yes	Out Brief Conducted	No	Time	093 130		Outside Shift	No
Related Reports	20161129-WMATA-CF-1 20170201-WMATA-CB-1 20161201-WMATA-WP-1 20170414-WMATA-WP-1 20170126-WMATA-AD-4 20170721-WMATA-AG-1 20170228-WMATA-WP-1 20160823-WMATA-MKD-1  Ref Rule or S				Related CAPS / Findings			ions: 1022, 1107, 1031, 1284, 1021, 1103, 1285, 1 134, 1444, 1188, 935				5, 1137,		
Deleted Bules CODs					OP		Standard		Other / T	itle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM MSRPH													
Inspection Location	Main			n O	СС	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Elev	ated	N/A
inspection Location	Х							паск туре	х					
Line(s)	A-Line	Track Numbe	r	track 2		Chain Mar and/or Sta		Rockville (A14	From 4)		Twink	orook (A	To .13)	
	Head Ca	r Number	Νι	umber o	of Cars									
Vehicles	N	I/A		N/A		Equip	ment	N/A						
		pectors perfo							Number	of Defect	s			5
		A14) and Twi vissued reme			o inspe	ct track cor	iditions and i	rollow up on	Recomm	Recommended Finding?				Yes
									Remedial Action Required?					Yes
Description	•	The following non-color-coded defects were observed:  TRST 1000 Manual, 13.3.4: Missing Contact Rail anchor at A2 793+90. Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1386.  TRST 1000 Manual, 13.3.4: Missing Contact Rail anchor is disconnected on one side at A1 751+80. Remedial Action for this defect is addressed in WMATA's approach to Remedial Action 1386.  TRST 1000 Manual, 13.5.3: Third rail anchor arm is bowed at A1 742+10.										Yes		

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	<ul> <li>Remedial Action #1284: WMATA has replaced the heat shrink on the conduit stub up at A2 737+00.</li> </ul>										
	Remedial Action #1021: WMATA has corrected the narrow gage at A2										
	712+71.										
	Remedial Action #1103: WMATA has corrected the tight gage deviations										
	from A2 712+71 to A2 798+55.										
	Remedial Action #1285: WMATA has replaced the heat shrink on the										
	conduit stub up at A2 701+00.										
	Remedial Action #1137: WMATA has removed the 3 <sup>rd</sup> rail post at A1										
	766+00.										
	Remedial Action #1135: WMATA has replaced the heat shrink at A1  704-00										
	704+00.										
	Remedial Action #1136: WMATA has replaced the bushing at A1 704+00.										
	Remedial Action #1134: WMATA has replaced the bushing at A1 702+00.										
	Remedial Action #1444: WMATA has secured the lag bolts at A1 701+60										
	Remedial Action #1188: WMATA has replaced the strap bar with angle										
	bars at A1 700+75.										
	Remedial Action #935: WMATA has corrected all defects associated										
	with this remedial action excluding the vegetation issue noted above. A										
	stand-alone remedial action will be issued for that defect.										
	To achieve compliance with WMATA's requirements:										
Remedial Action	WMATA must repair the bowed anchor arm at A1 742+10.										
Nemeulai Action	WMATA must address the vegetation growth between A1 742+00 to A1 744+50.										
	WMATA must install the proper joint bar at A1 700+50.										



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170823-WMATA-AG-1				
inspection Date	2017	08	23	Report Number					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Dep	artment		
	1	Name		Email	Office Phone		N	1obile Phone	
Rail Agency Department Contact Information									
Contact information									
Inspection Location	F-Line, Track 2, Naylor Road (F09) to Suitland (F10)								

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	nspection Sul	oject	Job Safe	ety Brie	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 62	225				mpanied ector?	Yes	Out Brief Conducted	No	Time	100 130		Outside Shift	No
Related Reports	N/A				Relat	ted CAPS /	Findings	N/A						
	Ref Rule or S			ОР		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or Strict	MSRPH													
	Main Track	Yard	Stati	ion C	ССС	RTA Facility	FTA Office	T	At-grad	e Tu	nnel	Ele	evated	N/A
Inspection Location	Х							Track Type	Х					
Line(a)	F-Line	Track		Trook 3		Chain Ma	rker		From				То	
Line(s)	r-Line	Numb	er	Track 2	:	and/or St	ation(s)	Naylor Road	(F09)		Suitla	and (F	10)	
Waltala.	Head	Car Number	ı	Number o	of Cars			N. / A						
Vehicles		N/A		N/A		Equip	ment	N/A						

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.25 12:05:42 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Adam Giovando, Ken Sgroi, Mike Vitale		



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

Remedial Action	N/A	N/A												
Inspection Activity #	2 <b>In</b>	2 Inspection Subject Remedial Action Verification Activity Code TRK WI PI										PI		
Job Briefing Employee Name/Title	TRST 622	5	'	Accompanied Yes Out Brief Conducted				No	Time	100		Outside Shift	No	
Related Reports		20170620-WMATA-AG-1 20170722-WMATA-AG-1 Related CAPS / Findings Remedial Actions: 1392, 1457, 1458, 1459, 1460								)				
	Ref		- 1	Rule or S	OP		Standard		Other / 1	Title		Chec	klist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST 100	0												
	MSRPH													
Inspection Location	Main Track	Yard	Statio	on C	OCC	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Ele	vated	N/A
	Х								х					
Line(s)	F-Line	Track		Track 2	2	Chain Ma			From				То	
. ,		Numb				and/or S	tation(s)	Naylor Road	(F09)		Suitla	and (F1	.0)	
Vehicles		ar Number N/A	N	lumber o		Equip	ment	N/A						
							k two of the		Number	of Defec	ts			3
		Naylor Road on previous	. ,		,		ct track cond	litions and	Recomm	ended Fi	nding?			Yes
	10110W up	on previous	19 13340	.u remee	aidi deti	0113.			Remedia	l Action	Require	ed?		Yes
Description	The following color-coded defect was observed:  • TRST 1000 Table 5-21: One bolt missing from the joint bar at F2 382+40, right rail. Yellow Condition.  The following non-color-coded defects were observed:  • TRST 1000 5.11: Rail corrugation and spalling were noted between F2 394+80 and 395+50. Surface wear is affecting ride quality over this area and appears to be causing stud bolts and Pandrol clips to loosen due to vibration. See Figure 1 below.  • TRST 1000 13.3.12: Third rail expansion cables are lying directly on the ballast at F2 407+70.  The following remedial actions were verified as complete:  • Remedial Action #1392: WMATA has secured junction box at F2 387+15  • Remedial Action #1457: WMATA has replaced lag screws between F2 398+00 and 401+00.										Yes			
Remedial Action	To achiev	between F Remedial A 400+60 an re complianc WMATA m	Action = 2 397+ Action = d 400+ e with toust repart = 1	#1459: V 90 and 3 #1460: V 70. WMATA blace rail	WMATA 398+00. WMATA 's requi	A has replad A has replad irements: en F2 394+	80 and 395+ int bar at F2	ail between F2	70.					

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



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170823-WMATA-AG-2					
inspection Date	2017	08	23	Report Number						
Rail Agency Name	Washington Authority	Metropolitan <i>i</i>	Area Transit	Rail Agency Department	Car Maintenance (CMNT) Sub- Department Inspection					
	ı	Name		Email	Office Phone Mobile Pl					
Rail Agency Department Contact Information										
Inspection Location	Branch Aven	ue Rail Service	and Inspection	Facility (F99)						

### **Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required <sup>1</sup>	No					
Recommended Reinspection	No					

# **Activity Summaries**

Inspection Activity #	1	Inspection Su	bject		Shop Observations - Branch Avenue Rail Service and Inspection Facility (F99)					de	VN	Л	SI	OBS
Job Briefing Employee Name/Title	N/A				mpanied ector?	No	Out Brief Conducted	Yes	Time	0630- 1030		Outside Shift	No	
Related Reports	N/A				Rela	ted CAPS / I	indings	N/A						
	Ref			Rule	or SOP		Standard		Other / T	itle		Chec	cklist Refere	ence
Related Rules, SOPs, Standards, or Other	N/A			N/A				nstructions 955 Rev. 06	N/A			N/A		
	Ma Trad	Yard	Sta	tion	осс	RTA Facility	FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location						Х		Track Type						Х
line/a)	N1/A	Trac	<	NI/A		Chain Ma	rker		From	То				
Line(s)	N/A	Num	ber	N/A		and/or St	ation(s)	N/A			N/A			
	Hea	ad Car Number		Numbe	er of Cars									
Vehicles		6006-6007			Equipment N/A									
Description		ector observed				odification t	o railcars 600	06-6007	Number	of Defect	s			0
Description	cond	ucted by WMA	TA cont	ractors	•				Recomm	ended Fir	nding?			No

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

Inspector in Charge - Signature AI	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWort cn=ADAM ANTHONY GIOVANDO Date: 2017.08.25 12:08:58 -05'00'	Date hTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Bill Hultsch		



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

#### Photos:



Figure 1: Contractor performing upgrade to door spindles

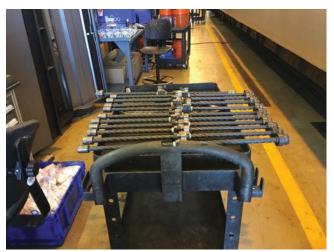


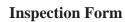
Figure 3: Rebuilt door spindles ready for installation



Figure 2: Contractor performing upgrade to door spindle sub assemblies



Figure 4: Rebuilt door spindle installed in rail car



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Increation Date	YYYY	MM	DD	Papart Number	20170924 \A/A	10T0 0	C 1			
Inspection Date	2017	08	24	Report Number	20170824-WMATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST Sub- Department TKIN			TKIN		
	1	Name		Email	Office Phone	е	N	Nobile Phone		
Rail Agency Department		l								
Contact Information		l								
		l								
Inspection Location	J & C-Lines, t	rack 2, Van Do	orn St. (J02) to K	ing St. (C13)						

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1 I	nspection Sub	ject	lob Safe	ty Briefi	ng			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225			Accompanied Inspector?		Yes	Out Brief Conducted	Yes	Time	1000 1600		Outside Shift	No	
Related Reports	N/A Related C				d CAPS / F	indings	N/A							
	Ref		R	ule or S	OP		Standard		Other / T	itle		Chec	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or Other														
Inspection Location	Main Track	Yard	Statio	n C	СС	RTA Facility	FTA Office	Track Type	At-grad	e Tui	nnel	Ele	evated	N/A
mspection Location	Х							паск туре	Х					
Lino(s)	J & C-Li	Track		Track 2	,	Chain Mai	ker		From			То		
Line(s)	J & C-LI	Numbe	er	Track 2 and/or Sta		ation(s)	Van Dorn St.	(J02)		King S	St. (C1	.3)		
	Head	Car Number	Nι	ımber o	of Cars									
Vehicles		N/A		N/A		Equip	Equipment N/A							

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWor cn=ADAM ANTHONY GIOVANDO Date: 2017.08.29 14:47:13 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa, Lee Emard		





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

Remedial Action	N/A													
Inspection Activity #	2 Ins	pection Subj	ect	Track O Verifica		ion and Re	medial Actio	on	Activity Co	ode	TRI	К	WI	PI
Job Briefing Employee Name/Title	TRST 622	5			Accor	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	1000 1600	_	utside Shift	No
Related Reports	20170223	L-WMATA-W	P-3		Relate	ed CAPS / I	Findings	Remedial Act	ions, 1148,	1149, 115	52	,		
	Ref		R	Rule or S	ОР		Standard		Other / 1	itle		Checklis	st Refere	ence
Related Rules, SOPs, Standards, or Other	TRST-100	0 rev. 6												
Inspection Location	Main Track	Yard	Statio	n C	осс	RTA Facility	FTA Office	Track Type	At-grad	e Tu	nnel	Elevat	ed	N/A
mspection Location	Х							Track Type	х		Х	Х		
	J & C-Line	Track		Track 2	,	Chain Ma			From				То	
	7 00 2	Numbe	r			and/or St	ation(s)	Van Dorn St.	(J02)		King S	St. (C13)		
Vehicles		ar Number N/A	Nı	umber c N/A		Equip	ment	N/A						
	FWSO ins	pectors perfe	ormed a	a track i	nspectio	on on track	2 of the J &	C-Lines	Number	of Defec	ts			0
		Van Dorn St.		_			t track cond	itions and	Recommended Finding? Remedial Action Required?					No
	tollow up	on previous	y issued	a remed	iiai actio	ons.								No
	Other No	No clearantracks of throadway ac Between 6 center catvhandrails (S No clearantracks of throadway ac wing remedial A has been re Remedial A has been re	rations: ce signs not doo rea (se ce signs e J-Line cess gu alk, the cess gu ces	s are instrumented of figure of a re instrumented o	talled bed in the s 1 and talled be is area in a no clear +00 on beloose area in a no clear talled being a rocclear talled bei	etween J2 e 2017 road 2). etween 63: is not document arance area both tracks and insecure etween 62: is not document arance area d as compl 6+00 the m	dway access 8+00 and 65 mented in the figure of the J-Line walkway pleed and 62 mented in the figure discount of t	673+00, but guide as a no 8+00 on both he 2017 s 3, 4, 5). e, on the ates and 8+00, on both he 2017	Recommended Reinspection?					No
Remedial Action	To achiev	e compliance WMATA m			•		at J2 640+1	0.						

Form FTA-IR-1

### **Photos:**



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



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





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



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







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



FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170824-WN	10T0 0	G 2		
inspection Date	2017	08	24	Report Number	20170624-0010	/IAIA-A	G-2		
Rail Agency Name	Washington Authority	Metropolitan <i>i</i>	Area Transit	Rail Agency Department	Car Maintenance (CMNT)  Sub- Department Inspection				
	ı	Name		Email	Office Phone	9	N	Nobile Phone	
Rail Agency Department Contact Information									
Inspection Location	Branch Aven	ue Rail Service	and Inspection	n Facility (F99)					

### **Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
Activity Code	VM-SI-OBS					
Inspection Units	1					
Inspection Subunits	1					
Defects (Number)	0					
Recommended Finding	No					
Remedial Action Required <sup>1</sup>	No					
Recommended Reinspection	No					

# **Activity Summaries**

Inspection Activity #	1	Inspection	Subject		•		ions - Branc ility (F99)	n Avenue Rai	il Service and	Activity Co	ode	VN	Л	SI	OBS
Job Briefing Employee Name/Title	N/A	N/A					mpanied ector?	No	Out Brief Conducted	Yes	Time	0630 1030		Outside Shift	No
Related Reports	N/A	N/A				Relat	ted CAPS / F	indings	N/A						
	Ref			Rul	le or SC	OP		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	N/A			Me	uipmen	g Devi	ion ces, Shop Special	and MU-27 Knorr-Bren	periodic procedures 77/3A from	N/A			N/A		
	Mai Trad	Yar	d Si	ation	00	СС	RTA Facility	FTA Office		At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location							Х		Track Type						Х
Line(s)	N/A	Tr	ack	N/A Chain Marker			From	·		То					
Lilie(3)	IN/A	N	umber	IN .	and/or Stat			ition(s)	N/A			N/A			
Vehicles	Head Car Number Numbe				nber of	f Cars	Equip	ment	N/A						

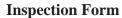
<sup>&</sup>lt;sup>1</sup> The rail transit agency must provide FTA with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing FTA verification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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.08.25 12:15:19 -05'00'	Date TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name Adam Giovando	Inspection Team Bill Hultsch	Date, 2017/00/23 12:13:19*03 00	





Inspector reviewed the door Spindle upgrade/modification testing procedure prior to releasing vehicles to revenue service, spot checked sling periodic inspection, and spot checked non-precision multimeter compliance with SOP – 3.05.  Inspector interviewed CMNT supervisor and contractor regarding testing procedure prior to releasing rail cars to service following upgrade/modification to door spindles.  Upgrade/modifications to 2000, 3000, and 6000 series rail cars per EMI 150145 Rev 01 are implemented by WMATA contractor. The test procedure used prior to approving vehicles for revenue service includes:  1. Downloading fault codes from the Central Door Control Unit. 2. Clearing of fault codes from the Central Door Control Unit. 2. Clearing of fault codes shat were automatically generated to ensure faults were not generated during revenue service or through the periodic inspection process. 3. An obstruction test to verify that with an obstruction in the door an "All Doors closed" indication on the console is not achieved. 4. A functional test with a door panel cut out to verify that its door motor does not attempt to open the door when a request to open other doors is made. 5. A functional test using a portable test unit to simulate car speed at 4 MPH and verify that doors cannot be opened when the car is moving. All above tests are conducted in accordance with Task 90 "Doors" from WMATA's periodic inspection procedures and MU-277/3h from Knorr-Brense Group contractual requirements (Note that IFA North America and Knorr are part of Knorr-Brense Group). Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.  Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.  Inspector spot checked one non-precision multimeter for appropriate "N		N/A	N/A				
Inspector interviewed CMNT supervisor and contractor regarding testing procedure prior to releasing rail cars to service following upgrade/modification to door spindles.  Upgrade/modifications to 2000, 3000, and 6000 series rail cars per EMI 150145 Rev 01 are implemented by MMATA contractor. The test procedure used prior to approving vehicles for revenue service includes:  1. Downloading fault codes from the Central Door Control Unit. 2. Clearing of fault codes that were automatically generated to ensure faults were not generated during revenue service or through the periodic inspection process. 3. An obstruction test to verify that with an obstruction in the door an "All Doors closed" indication on the console is not achieved. 4. A functional test with a door panel cut out to verify that its door motor does not attempt to open the door when a request to open other doors is made. 5. A functional test using a portable test unit to simulate car speed at 4 MPH and verify that doors cannot be opened when the car is moving.  All above tests are conducted in accordance with Task 90 "Doors" from WMATA's periodic inspection procedures and MU-277/3A from Knorr-Bremse Group contractual requirements (Note that IFA North America and Knorr are part of Knorr-Bremse Group).  Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.  Inspector spot checked one non-precision multimeter for appropriate "No Calibration Required" sticker in compliance with SOP-3.05 Precision Measuring Devices, Shop Equipment, and Special Tools.					•	Number of Defects	0
Inspector interviewed CMNT supervisor and contractor regarding testing procedure prior to releasing rail cars to service following upgrade/modification to door spindles.  Upgrade/modifications to 2000, 3000, and 6000 series rail cars per EMI 150145 Rev 01 are implemented by WMATA contractor. The test procedure used prior to approving vehicles for revenue service includes:  1. Downloading fault codes from the Central Door Control Unit.  2. Clearing of fault codes that were automatically generated to ensure faults were not generated during revenue service or through the periodic inspection process.  3. An obstruction test to verify that with an obstruction in the door an "All Doors closed" indication on the console is not achieved.  4. A functional test with a door panel cut out to verify that its door motor does not attempt to open the door when a request to open other doors is made.  5. A functional test using a portable test unit to simulate car speed at 4 MPH and verify that doors cannot be opened when the car is moving.  All above tests are conducted in accordance with Task 90 "Doors" from WMATA's periodic inspection procedures and MU-277/3A from Knorr-Bremse Group contractual requirements (Note that IFA North America and Knorr are part of Knorr-Bremse Group).  Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.  Inspector spot checked one non-precision multimeter for appropriate "No Calibration Required" sticker in compliance with SOP-3.05 Precision Measuring Devices, Shop Equipment, and Special Tools.		_	· •	٠.	rspection, and	Recommended Finding?	No
prior to releasing rail cars to service following upgrade/modification to door spindles.  Upgrade/modifications to 2000, 3000, and 6000 series rail cars per EMI 150145 Rev 01 are implemented by WMATA contractor. The test procedure used prior to approving vehicles for revenue service includes:  1. Downloading fault codes from the Central Door Control Unit.  2. Clearing of fault codes that were automatically generated to ensure faults were not generated during revenue service or through the periodic inspection process.  3. An obstruction test to verify that with an obstruction in the door an "All Doors closed" indication on the console is not achieved.  4. A functional test with a door panel cut out to verify that its door motor does not attempt to open the door when a request to open other doors is made.  5. A functional test using a portable test unit to simulate car speed at 4 MPH and verify that doors cannot be opened when the car is moving.  All above tests are conducted in accordance with Task 90 "Doors" from WMATA's periodic inspection procedures and MU-277/3A from Knorr-Bremse Group contractual requirements (Note that IFA North America and Knorr are part of Knorr-Bremse Group).  Inspector spot checked two slings (wire ropes used for lifting heavy equipment) for required monthly periodic inspection to ensure work orders were generated and that proper schedule was maintained.  Inspector spot checked one non-precision multimeter for appropriate "No Calibration Required" sticker in compliance with SOP-3.05 Precision Measuring Devices, Shop Equipment, and Special Tools.		specimental non pres	ision maitimeter compile			Remedial Action Required?	No
Remedial Action N/A	Description  Remedial Action	prior to releasing rail cospindles.  Upgrade/modifications 01 are implemented by approving vehicles for 1. Downloadir 2. Clearing of faults were periodic ins 3. An obstruct Doors close 4. A functiona does not at is made. 5. A functiona MPH and vehicles for the faults were periodic inspection procontractual requirement Knorr-Bremse Group).  Inspector spot checked required monthly period that proper schedule well inspector spot checked Calibration Required species, Shop Equipment No exceptions were taked to specify that proper schedule well inspector spot checked calibration Required species, Shop Equipment No exceptions were taked to specify that proper schedule well inspector spot checked calibration Required species, Shop Equipment No exceptions were taked to specify that proper schedule well as the specific s	ars to service following up at the color of	eseries rail cars per Electest procedure used entral Door Control Uponatically generated enue service or through an obstruction in the ole is not achieved. It out to verify that it when a request to open to unit to simulate care opened when the calcapt of the care opened when the calcapt of the care opened when the care opened when the calcapt of the care opened when the calcapt of the care opened when the calcapt of the c	MI 150145 Rev prior to nit. to ensure igh the e door an "All s door motor in other doors speed at 4 r is moving.  m WMATA's Group e part of e part of e will be and e e "No	Recommended Reinspection?	No





FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

# **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170825-WN	/ATA A	C 1	
inspection Date	2017	08	25	Report Number	20170625-001	VIA I A-A	W-1	
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	IRSI Sun- Denartment			TKIN
	ı	Name		Email	Office Phone	е	N	Nobile Phone
Rail Agency Department Contact Information		 						
Inspection Location D-Line, track 1, New Carrollton (D13) to Landover (D12)								

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1	Insped	ction Subje	ect	Job Safe	ty Brie	efing			Activity Co	de	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6225				Accompanied Yes		Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	No		
Related Reports	N/A					Relat	ted CAPS / I	Findings	N/A						
	Ref				Rule or S	OP		Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPI	М													
Standards, or other															
	Mai Trac		Yard	Statio	on C	CC	RTA Facility	FTA Office		At-grade	e Tur	nnel	Ele	evated	N/A
Inspection Location	Х								Track Type	х					
Line(a)	D line		Track		Track 1		Chain Ma	rker		From			То		
Line(s)	Diline	2	Number	r	Track 1	and/or Station(s) New Carrollto			on (D13)		Lando	over (	D12)		
	Hea	d Car N	lumber	١	Number of Cars										
Vehicles		N/A			N/A		Equip	ment	N/A						

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtWG cn=ADAM ANTHONY GIOVANDO Date: 2017.08.29 14:47:55 -05'00'	
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Alexander Nepa, Lee Emard		



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

	1 0030 111.	rwso inspectors took no exceptions to the job safety briefing.												
Remedial Action	N/A													
Inspection Activity #	2 <b>In</b> :	spection Sub	ject	Remed	ial Actio	n Verificati	on		Activity Co	ode	TR	K	WI	PI
Job Briefing Employee Name/Title	TRST 622	5	<u>'</u>		Accor	mpanied ector?	Yes	Out Brief Conducted	Yes	Yes <b>Time</b>		)	Outside Shift	No
Related Reports	2016082	2-WMATA-T0 5-WMATA-RF 3-WMATA-A0	PM-1		Related CAPS / Findings Remedial Actio			ions, 241, 2	ons, 241, 243, 264, 265, 268, 271, 94				1348	
	Ref	Ref Rule or SOP							Other / 1	itle		Check	list Refer	ence
Related Rules, SOPs, Standards, or Other	TRST-1000 rev. 6													
Inspection Location	Main Track	rack Yard Station OCC Facility Office				At-grad	e Tu	nnel	Elev	ated	N/A			
mspection Location	Х						Track Type		х			)	(	
Line(s)	D line	line Track Number Track 1 Chain Marker F New Carrollton						From on (D13)		Land	over (D:	To		
Vehicles		Head Car Number Number of Cars  N/A  N/A  N/A  N/A  N/A												
	FWSO inspectors performed a track inspection of track 1 of the D line between New Carrollton (D13) to Landover (D12) to inspect track conditions and follow up on previously issued remedial actions.									ended Fi	nding?	ed?		2 Yes Yes
Description	•	The following non-color-coded defects were observed  TRST 1000 13.3.15: At D1 567+90 at the aerial structure, the end coverboard is missing.  TRST 1000 13.3.15: At D1 525+00 near Landover Station, the end coverboard is missing.  Remedial Action #241: At D1 CM 555+00 the ETS light and door have been repaired.  Remedial Action #243: At D1 246+90 the ETS light and door have been repaired.  Remedial Action #264: At D1 CM 526+00 the missing end coverboard has been installed.  Remedial Action #265: At D1 CM 592+60 the tie plates and ties have been replaced.  Remedial Action #268: At D1 CM 581+40 the loose fasteners on the right rail have been replaced and new crossties installed.  Remedial Action #271: At D1 CM 524+00 the loose fasteners on the four consecutive crossties have been repaired.											Yes	
Remedial Action	To achiev		ust rep	place the	missing	g end cover	boards at D							



### **Inspection Form**

FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170926 \\	10T0 0	C 1		
inspection bate	2017	08	26	Report Number	20170826-WMATA-AG-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Department TKIN		TKIN	
	ı	Name		Email	Office Phone	е	N	Nobile Phone	
Rail Agency Department									
		ı							
Contact Information									
Inspection Location	West Falls Church (K06) Interlocking Inspection								

#### **Inspection Summary**

Inspection Activity #	1	2	3	4	5	6
Activity Code	TRK-JSB-OBS	TRK-WI-PI				
Inspection Units	1	1				
Inspection Subunits	1	1				
Defects (Number)	0	11				
Recommended Finding	No	Yes				
Remedial Action Required <sup>1</sup>	No	Yes				
Recommended Reinspection	No	Yes				

### **Activity Summaries**

Inspection Activity #	1	Inspection	Subject	Job S	Safety Bri	efing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	5168				ompanied pector?	Yes	Out Brief Conducted	Yes	Time	0700 1500		Outside Shift	Yes
Related Reports	N/A				Related CAPS / Findings N/A									
	Ref	Ref Rule or					Standard		Other / T	itle		Che	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM													
Standards, or Strict														
lucus atticus I a caticus	Mair Tracl	Yard	Sta	ition	OCC RTA Facility		FTA Office	Tuesda Taure	At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	х			x				Track Type	х					
Line (a)	K-Line	Tra	ck	Tra	cks 1	Chain Ma	rker	From		, 			То	
Line(s)	K-Line	Nu	mber	and	2	and/or St	ation(s)	West Falls Ch	West Falls Church (K06)			West Falls Church (K06)		
	Head	d Car Numb	er	Numb	er of Cars	5							·	
Vehicles		N/A		-	N/A	Equip	ment	N/A						
	,													

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=U.S. Government, ou=FRA FRAFtW cn=ADAM ANTHONY GIOVANDO Date: 2017.08.29 14:50:35 -05'00'	Date orthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa, Lee Emard		





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

Inspection Activity #														
tala Dailafina	2 In:	spection Sub	ject	Interlo	king In:	spection			Activity Co	ode	TR	RK	WI	PI
Job Briefing Employee Name/Title	TRST 616	8				mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0700 1500		Outside Shift	Yes
Related Reports	N/A				Relat	ed CAPS / F	indings	B/A						
	Ref			Rule or 9	ule or SOP Standard				Other / 1	itle		Checl	klist Refe	rence
Related Rules, SOPs,	TRST-100	0 rev. 6												
Standards, or Other														
Inspection Location	Main Track Yard Station		ion (	occ	RTA FTA Facility Office		Track Type	At-grad	e Tu	nnel	Elev	vated	N/A	
	Χ								Х					
	Track				1	Chain Mai	rker		From				То	
	K-Line	Numb	er	Tracks and 2	_	and/or Sta		West Falls Ch			West	Falls C	hurch (K	)6)
	Head C	Head Car Number Number of Cars							u. c (1.00)					,,,
Vehicles	ı	N/A		N/A	4	Equip	N/A							
		spectors perf			_				Number of Defects					11
	tracks.	on the outbo	ouna s	ide of we	est Falls	Church (Ku	b) to include	е тпе роскет	Recomm	ended Fi	nding?			Yes
	trucks.								Remedia	l Action I	Require	ed?	Yes	
	Other No	TRST 1000 one bolt m TRST 1000 missing. TRST 1000 missing. TRST 1000 frog, there there are 1 condition i 1000 toler. TRST 1000 joints from joints, on c hand correc TRST 1000 seven loos TRST 1000 braces, the TRST 1000 braces, the TRST 1000	9.10 A Table issing. 13.3.1 Table are ni 0 timb s allow ances. 9-tabl i the si doncted b 9-tabl as thr 9-tabl ere are 9.10 A vation ediate	At switch 9-11 (7), 15 At switch 15 At switch 15 At switch 16 At switch 17 At switch 17 At switch 18 At switc	17A, the At swift tch 15A At num tive noise all moves on living. At swift the bold at swift the took a	te number fitch 17A, left tch 17A, left tch 17A, left third rail (liber 19 crosh-holding titch 16A, mats in the rail (ly one holdi itch 7A, mats in-a-row. itch 5A, left number thr	kicker rail) consider rail) consider rail) consider switch mbers, five in-holding lage frog but which are looking bolt. This in side point left switch personal reconsider reconsider reconsider reconsider rail consider reconsider rail consider rail consid	h point guard, over board over board a through the n a row. Also, g screws. This ithin TRST a rail, two rail ose. In both a condition was a protector has point h point, inside	Recomm	ended Ro	einspec	ction?		Yes

Form FTA-IR-1

Version date: 8/26/16 2





	To achieve compliance with WMATA's requirements:
	<ul> <li>WMATA must tighten the loose bolts on the left inside point braces at switch 15B at K2 527+30.</li> </ul>
	WMATA must tighten the number four switch rod on switch 17A at K2 527+30.
	WMATA must replace the missing bolt on the switch point guard at 17A switch at K2 527+30.
	WMATA must replace the missing coverboard on the kicker rail at switch 15A at K2 527+30.
	WMATA must replace the missing coverboard on the kicker rail at switch 15B at K2 527+30.
Remedial Action	<ul> <li>WMATA must replace defective switch timber under the frog at the 19-crossover switch and secure with holding fasteners at K3 525+00.</li> </ul>
	WMATA must tighten the joint bar bolts at the 7A switch at K1 527+30.
	WMATA must tighten the loose bolts on the main side switch point protector at the 7A switch at K1 527+30.
	WMATA must tighten the bolts on the left side switch point protector on 5A switch at K1 527+30.
	WMATA must tighten the loose bolts on the inside brace plates at 5A switch at K1 527+30.
	WMATA must tighten the number three switch rod at the 7B switch at K1 527+30.

FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### Agency/Department Information

Inspection Date	YYYY	MM	DD	Donout Number	20170927 \//	//\T/\ /	C 1			
Inspection Date	2017	08	27	Report Number	20170827-WMATA-AG-1					
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRST	Sub- Department TKIN				
	I	Name		Email	Office Phone	e	N	Nobile Phone		
Poil Agency Department										
Rail Agency Department Contact Information		l								
Inspection Location	C-Line, Track 2, Huntington (C15) to King St. (C13)									

#### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspection Sub	ject	Job Safe	ety Brie	fing			Activity Co	ode	TRI	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6	168			Accor	mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0700 1500		Outside Shift	Yes
Related Reports	N/A	•				Related CAPS / Findings N/A								
	Ref Rule or S			OP		Standard		Other / T	itle		Che	cklist Refer	ence	
Related Rules, SOPs, Standards, or Other	RWPM	/PM												
Standards, or other														
	Main Track	Yard	Statio	on C	осс	RTA Facility	FTA Office	T	At-grade	e Tui	nnel	Ele	evated	N/A
Inspection Location	Х		Х				Track Type		х					
Line(a)	C-Line	Track		Track 2		Chain Ma	n Marker		From		То			
Line(s)	C-Line	Numbe	er	ITACK 2	•	and/or Sta	ation(s)	Huntington (	C15) K			King St. (C13)		
.,	Head	Car Number	N	lumber o	of Cars									
Vehicles		N/A		N/A Equip			ment	N/A						
Description										Number of Defects				0

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.08.30 12:30:17 -05'00'	
Inspector in Charge – Name Adam Giovando	Inspection Team Alexander Nepa, Lee Emard		



					-		-		(15) platform.	Recomm	ended Fi	nding?			No	
								ay worker pro		Remedia	l Action F	Require	d?		No	
	perso	onal p					•		n, hazards, and	Recomm	ended Re	inspec	tion?		No	
	The F	wso	Inspector	took n	o exce	ptions to	the job saf	ety briefing.								
Remedial Action	N/A		•													
																-
Inspection Activity #	2	Insp	ection Sul	oject	Reme	edial Actio	on Verificat	ion		Activity Co	ode	TR	K	WI	PI	
Job Briefing Employee Name/Title	TRST	RST 6168 Inspector? Yes Conducted Yes Time 1500 Sh									Outside Shift	Yes				
Related Reports		0170412-WMATA-WP-1 0170412-WMATA-WP-4 Related CAPS / Findings Remedial Actions: 1280, 1286, 1287, 1291, 1292,														
Deleted Dilete CODe	Ref				Rule o	r SOP		Standard		Other / T	itle		Check	list Refer	ence	
Related Rules, SOPs, Standards, or Other	TRST	-1000	rev. 6													
Standards, or Other																
Inspection Location	Ma Tra		Yard	Stati	on	ОСС	RTA Facility	FTA Office	Track Type	At-grade	e Tui	nnel	Elev	ated	N/A	
mspection Location	Х								паск туре	Х		X	>			
Line(s)	C-Lin	Δ	Track		Tracl	k 2	Chain Ma	rker		From				То		
Line(3)	C-LIII		Numb	er	ITACI	K Z	and/or St	ation(s)	Huntington (0	C15)		King S	St. (C13	)		
Vehicles	Hea		Number /A	1		r of Cars /A	Equip	ment	N/A							
	FWS	O insp	ectors per	formed	l a trac	k inspect	ion on trac	two of the	C-Line	Number	of Defect	S			7	
			_	. ,		•		t track condi	tions and	Recomm	ended Fi	nding?			Yes	
	tollov	w up o	on previous	sly issu	ed rem	iedial act	ions.			Remedia			d?		Yes	-
Description		•	transition: figures 1, TRST 1000 turn-out t dynamic n restriction station pla  ring non-cc TRST 1000 switch roc TRST 1000 missing. TRST 1000 area, ther TRST 1000 box C178. TRST 1000	0 6.14.1 al area 2, and 3 0 11.3.2 ransitic novemen was no atform.  blor-coc 0 9.10. d is loos 0 13.3.1 e are th 0 3.1.2. 0 8.7 Be	t, table there value on wide ent, 57 ot insta Red Co. L5 At Co. L5 Betware emission at C5 Be	e 6-4, At C were two v. Yellow e 11-2, At e gage me -5/8, see alled by th ondition. fects wer 522+00 sv 2 622+20 veen C2 6 issing cov 2 615+00,	c2 622+00 a consecutive Condition C2 622+00 easuring 57 figures 4 a he RWIC during the end the condition of the end the condition of the blue light 00 and 587	at the 1B sw. 1/4-inch stand 5 below. 1/4 e to proximi  I: er 3B, the nu ird rail cover 625+00 in the	rout pads, see ritch in the tic with 3/8 A speed ty to the  where three board is ne platform rking at ETS vegetation in	Recomm	ended Re	einspec	tion?		Yes	
	Othe	• Not	location for between I SAFE. Deteriorate special ass	.7 edition for requiversises of ting conservations.	on of Westing fower Avanditions	foul time venue and s were ob ing system	to enter ard King Streed with the streed with	et should be  h the grout p	nain marker igh the portal reviewed by bads and the crossovers at blacement in							



	The following remedial actions were verified as complete:  Remedial Action 1280, At C2 582+50 the third rail coverboard has been replaced.  Remedial Action 1286, At C2 593+00 heat shrink tape has been installed on the conduit stub-up.  Remedial Action 1287, At C2 592+00 neat shrink tape has been installed on the conduit stub-up.  Remedial Action 1291, At C2 567+00 the third rail feeder wire has been repaired.  Remedial Action 1292, At C2 585+00 the third rail expansion cables have been moved.								
Remedial Action	have been moved.  To achieve compliance with WMATA's requirements:  WMATA must repair the grout pads at C2 622+00 1B switch.  WMATA must repair the wide gauge condition at C2 622+00 1B switch.  WMATA must replace tighten the number three switch rod at C2 622+00 3B switch.  WMATA must install an end coverboard on the third rail at C2 622+20.  WMATA must install missing cover boards on track two in the station platform area.  WMATA must repair the light at the ETS box located at C2 615+00.  WMATA must remove the vegetation between C2 583+00 and 587+00.								

#### Photos:



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



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



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



FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170828-WN	10T0 0	C 1	
inspection bate	2017	08	28	Report Number	20170020-001	VIA I A-A	.G-1	
Rail Agency Name	Washington Metropolitan Area Trans Authority			Rail Agency Department	TRST	Sub- Dep	artment	TKIN
	ı	Name		Email	Office Phone	е	N	Nobile Phone
Rail Agency Department		I						
Contact Information		l						
Inspection Location	B-Line, Tracks 1 and 2, Brookland (B05) to Rhode Island Ave (B04)							

#### **Inspection Summary**

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

### **Activity Summaries**

Inspection Activity #	1 I	nspection Sub	ject	Job Safe	ety Brief	fing			Activity Co	ode	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 62	269			Accor Inspe	mpanied ctor?	Yes	Out Brief Conducted	Yes	Time	1000 1400		Outside Shift	Yes
Related Reports	N/A			Related CAPS / Findings N/A										
	Ref	ef Rule or			ЮР		Standard		Other / T	itle		Chec	cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPM													
	Main Track	Yard	Stati	tion OCC		RTA Facility	FTA Office		At-grad	e Tui	nnel	Ele	evated	N/A
Inspection Location	Х		Х					Track Type	Х	х			х	
Line(s)	B-Line	Track		Tracks	1	Chain Ma	rker		From				То	
Line(s)	D-LINE	Numbe	er	and 2	and 2 and/or Station(s) Brookland (B05) Rhod Island Ave				l Ave (B04)					
Vahialaa	Head	Car Number	١	Number o	of Cars	Fauria	N/A							
Vehicles		N/A		N/A		Equip	Equipment N/A							
Description									Number	of Defect	s			0

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

Inspector in Charge - Signature A	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: c=US, o=US. Government, ou=FRA FRAFtWo cn=ADAM ANTHONY GIOVANDO Date: 2017.08.30 12:35:00 -05'00'	Date rthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name	Inspection Team		
Adam Giovando	Lee Emard, Al Nepa		





	TRST unit	6269 condu	icted a	inh safet	v hrief	ing at	Brook	rland Station	platform. The	B	andad Fi	: h			N
				-	•	_		orker protect	-	Recomm			43		No No
					•				and personal s, and hospital	Recomm				No	
	The FWS0	) Inspector	took n	o except	ions to	the jo	b safe	ety briefing.							
Remedial Action	N/A														
Inspection Activity #	2 Ins	pection Sub	ject	Track O	bserva	tion				Activity Co	ode	TRK		WI	PI
Job Briefing Employee Name/Title	TRST 6269 Accompanied Inspector? Yes Out Brief Conducted						Yes	Time	1000 1400	_	Outside Shift	Yes			
Related Reports		20161205-WMATA-WP-1 20161117-WMATA-AD-1 Related CAPS / Findings Remedial A									1032, 101	.0			
Polated Pules CODs	Ref			Rule or S	OP			Standard		Other / T	itle		Checkl	ist Refer	ence
Related Rules, SOPs, Standards, or Other	TRST-100	0 rev. 6													
Inspection Location	Main Track	Track   Yard   Station   OCC   Facility   Office						At-grade	e Tu	nnel	Eleva	ted	N/A		
inspection Location	Х	, ITack Type				паск туре	Х		X	Х					
		Track		Tracks	1	Chai	in Maı	rker		From				То	
Line(s)	B-Line	Numb	er	and 2	_			ation(s)	Brookland (B0			Rhod	e Island	Ave (B04	l)
Wahislaa	Head Ca	ır Number	1	Number o	of Cars	Ι.	F!		N1/A						
Vehicles	N	I/A		N/A	١	- 1	Equip	ment	N/A						
								ion and gene		Number	of Defect	is			4
		eracks one a				оокіап	10 (80	5) and knod	e Island Ave	Recomm	ended Fi	nding?			Yes
	The follow	wing non-co	lor-co	ded defe	rts wer	e ohse	erved			Remedia	l Action I	Require	d?		Yes
Description	• • • Other No	switch rod TRST 1000 missing. TRST 1000 point had TRST 1000 observed a	is loos 13.3.1 9.27.6 a 1/8-i 10.17 allowin	se. L5: At B1 60: At B1 nch gap. .4.1: Betweg a trip a	175+96 175+96 ween B	6 the e 6 switc 2 192-	end th ch nur +00 ar	ird rail cover	umber three r board is -hand switch elay rail was						
	Other Notable Observations:  Deteriorating conditions were observed between C2 167+00 and 172+00 on the aerial structure direct fixation fasteners. Fasteners are showing evidence of cracking on the shoulders.  The following remedial actions were verified as complete:  Remedial Action 1033: At B1 175+96 At B05 1A switch the house top has no cotter pin inserted on the # 1 and # 4 nuts.  Remedial Action 1032: At B1 175+96 At B05 3A switch the guard rail has two loose bolts that need to be tightened.  Remedial Action 1010: At B2 186+15 WMATA must label and add the									Yes					
Remedial Action	To achiev	interior ma e compliand WMATA m WMATA m	ap in the with nust tigen ust instance in the must instance in the must addingted in the must be m	me ETS bo WMATA thten the stall an ell just swite	ox ident 's requinumber nd cover th poin	ified a iremer er thre erboar et at B1	above nts: ee swif d on t 1 175+	tch rod at B1 :he third rail -96 switch 1.	1 175+96 1A swi at B1 175+96 A, left-hand poi						



### **Inspection Form**

FOIA Exemption: All (b)(6)

Form FTA-IR-1

# United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170829-WMATA-AG-1					
mspection bate	2017	08	29	Report Humber	20170025 WWATA AO 1					
Rail Agency Name	Washington Authority	Metropolitan .	Area Transit	Rail Agency Department	TRST	Sub- Dep	TKIN			
	1	Name		Email	Office Phone	9	Mobile Phone			
Rail Agency Department Contact Information										
contact information										
Inspection Location	K-Line, track 2, Ballston (K04) to Court House (K01)									

#### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspectio	n Subje	ct	Job Safe	ty Brie	fing/On-Tra	ck Protection	1	Activity Co	de	TR	K	JSB	OBS
Job Briefing Employee Name/Title	TRST 6269				Accompanied Yes Inspector?			Out Brief Conducted	Yes	Time	100 130		Outside Shift	No	
Related Reports	N/A	N/A				Relat	ted CAPS / I	Findings	N/A						
	Ref	Ref Rule o				ОР		Standard		Other / Title				cklist Refer	ence
Related Rules, SOPs, Standards, or Other	RWPN	M													
Standards, or Other	MSRP	·Η													
lasas atian I asatian	Mai Trac	l Ya	rd	Statio	ation OCC		RTA Facility	FTA Office	Track Type	At-grade	e Tur	nnel	Ele	evated	N/A
Inspection Location	х							Track Type			:	X			
lin of o	K Line	1	rack		Tue al. 2		Chain Ma	rker		From			То		
Line(s)	K-Line	ı	lumber		Track 2	,	and/or St	ation(s)	Ballston (K04)	)		Court	Hous	se (K01)	
	Hea	d Car Num	ber	N	Number c	of Cars									
Vehicles		N/A			N/A		Equipment N/A								
			'												

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANDO DN: C=US, 0=U.S. Government, ou=FRA FRAFtWorth ANTHONY GIOVANDO Date: 2017.08.30 12:39:28 -05'00'	<b>Date</b> TX, ou=DOT FRAFtWorthTX, cn=ADAM
Inspector in Charge – Name Adam Giovando	Inspection Team Al Nepa, Lee Emard, Mike Vitale, Robert Maniuszko		





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

Inspection Activity #	2 Inspection Subject Track Inspection Ac								Activity Co	Activity Code TRK			WI	PI		
Job Briefing Employee Name/Title	18516769					Yes		Out Brief Conducted	Yes	Time	1000 – 1300		Outside Shift	No		
Related Reports	N/A				Relat	ed CAPS / I	indings	N/A			•					
Deleted D. Lee CODe	Ref			Rule or S	SOP		Standard		Other / T	itle		Chec	klist Refer	ence		
Related Rules, SOPs, Standards, or Other	TRST 10 MSRPH	00														
	Main Track	Yard	Stat	ion	осс	RTA Facility	FTA Office		At-grade	e Tu	nnel	Ele	vated	N/A		
Inspection Location	Х							Track Type			Х					
Line(s)	K-Line	Track		Track	, ]	Chain Ma	rker		From				То			
Line(3)	K-LIIIE	Numb	er	Hack	_	and/or St	ation(s)	Ballston (K04)	)		Court	t House	(K01)	(KO1)		
Vehicles	Head	Car Number N/A		Number N/A		Equip	ment	N/A								
		FWSO inspectors performed a track inspection on track two of the K-Line between Ballston (K04) and Court House (K01) to inspect track conditions.								Number of Defects Recommended Finding?				4		
														Yes		
Description	•	<ul> <li>K2 245+60 to K2 236+30.</li> <li>TRST 1000 Manual, 13.3.14: The end approach cover board is missing at K2 222+00.</li> <li>TRST 1000 Manual, 13.3.7: The end approach contact rail splice bar is missing one bolt at K2 274+00</li> <li>TRST 1000 Manual, 10.17.4.1: There is relay rail between the bench wall and the right rail at K2 258+00</li> <li>Portec joint bars installed December 2016 are still in place at the weld located at K2 261+40. It does not appear that the ultrasonic testing has been completed.</li> </ul>												Yes		
Remedial Action	To achie	WMATA m WMATA m	e with lust rep lust rep lust re-	WMATA place the place the -secure the	's requir cover b cover b he end a	oards from oard at K2	222+00. K2 274+00.	o K2 236+30.								

Form FTA-IR-1



### **Inspection Form**

FOIA Exemption: All (b)(6)

Form FTA-IR-1

### United States Department of Transportation Federal Transit Administration

### **Agency/Department Information**

Inspection Date	YYYY	MM	DD	Report Number	20170831-WMATA-AG-1					
	2017	08	31	Report Number	20170031-001	20170651-WWATA-AG-1				
Rail Agency Name	Washington Authority	Metropolitan	Area Transit	Rail Agency Department	TRPM	Sub- Dep	СМ			
	1	Name		Email	Office Phone	е	N	Nobile Phone		
Rail Agency Department Contact Information										
Contact information										
Inspection Location	Mt. Vernon S	Square (E01) –	Track 1 and Tra	ack 2						

#### **Inspection Summary**

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

#### **Activity Summaries**

Inspection Activity #	1	Inspection Su	bject	Mt. Ver	non Sq	uare (E01) -	- Safety Brie	efing Activity Code				Р	JSB	OBS		
Job Briefing Employee Name/Title	TRPM RWIC					mpanied ector?	Yes	Out Brief Conducted	Yes	Time	0100- 0500		Outside Shift	Yes		
Related Reports	N/A				Relat	ed CAPS / I	Findings	N/A								
	Ref	Ref Rule or S					Standard		Other / T	itle		Che	cklist Refe	ence		
Related Rules, SOPs, Standards, or Other	RWPM	RWPM														
luonostion Location	Main Track	Yard	Stati	Facility Office		At-grad	e Tu	nnel	Ele	evated	N/A					
Inspection Location	Х							Track Type			X					
Lima/a)	E-Line	Track		Tracks	1	Chain Ma	rker	From			То					
Line(s)	E-Line	Numb	er	and 2		and/or St	ation(s)	Mount Verno	Mount Vernon Square (E01)				Mount Vernon Square (E01)			
W.P.J.	Head	Car Number	ı	Number o	of Cars	F		A1 / A								
Vehicles		N/A		N/A		Equip	ment	N/A								
			_					4								

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

Inspector in Charge - Signature	DAM ANTHONY GIOVANDO	Digitally signed by ADAM ANTHONY GIOVANI DN: c=US, o=U.S. Government, ou=FRA FRAFt cn=ADAM ANTHONY GIOVANDO Date: 2017.09.01 10:55:51-05'00'	ODate WorthTX, ou=DOT FRAFtWorthTX,
Inspector in Charge – Name Adam Giovando	Inspection Team Tino Sahoo		





Description	FWSO personnel received a Job Safety Briefing from the WMATA RWIC. All	Number of Defects	0
	personal protective equipment (PPE) and roadway worker protection (RWP) IDs were checked and the working limits were reviewed. WMATA RWIC covered the	Recommended Finding?	No
	nearest hospital and safety rule of the day. The hot spots, hazards, clearance	Remedial Action Required?	No
	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	Insp	ection Sub	ject	ct Mt. Vernon Square (E01) - Ca				acement	Activity Co	ode	TP		RM	OBS
Job Briefing Employee Name/Title	TRPM RWIC						Accompanied Inspector?		Out Brief Conducted	Yes	Time		00-	Outside Shift	Yes
Related Reports	N/A	/A Related CAPS / Findings N/A													
	Ref				Rule	or SOP		Standard		Other / 1	Title		Check	list Refe	rence
		N DR	POWER RAWING (D )	D-											
Related Rules, SOPs, Standards, or Other	IVIODIFICATION														
	Main Track		Yard	Stat	ion	осс	RTA Facility	FTA Office		At-grad	e Tu	nnel	Eleva	ated	N/A
Inspection Location	Х								Track Type			Х			
Line(s)	E-Line		Track		Tra	cks 1	Chain Ma	rker		From				То	
Line(s)	E-LINE	:	Numb	er	and	12	and/or St	ation(s)	Mount Verno	n Square (E	Mou	ınt Vernon Square (E01)			
Vehicles	Hea		Number /A			er of Cars N/A	Equip	ment	Power Cables	(1000kcmil	, 2kV)				
						-	-	nt and contr		Number	of Defect	ts	0		
	perfo	rming	g the task o	of repla	acing t	wenty-thr	ee feeder c	able pigtails.		Recomm	ended Fi	nding?			No
	In WN	In WMATA's shop before the night of work, twenty-three six feet length portions										Require	ed?		No
of 1000kcmil were cut and pre-meggered for the feeder cable pigtails to be installed.  Description  During the inspection, FWSO observed the contractor installing feeder cables per the Engineering Modification Instruction (EMI) for jumper, expansion, and									Recomm	ended Ro	einspec	ction?		No	
Remedial Action	N/A		-								-				-