



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20191211-WMATA-KEK-12		
	2019	12	11				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	ATC	Sub- Department	ATC
Rail Agency Department Contact Information	Name		Email	Office Phone		Mobile Phone	
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	██████████		██████████	██████████		██████████	
	██████████		██████████	██████████		██████████	
Inspection Location	Orange Line – D06: – Eastern Market, 15903 Somerville Drive, Rockville, Md 20855 CM; 135+07 – 144+70						

Inspection Summary

Inspection Activity #	1	2	3	4	5	6
Activity Code	STC-OBS-TM	STC-OBS-TM	STC-OBS-TM	STC-OBS-TM	STC-OBS-GEN	STC-OBS-GEN
Inspection Units	M3 Switch #1A	M3 Switch #1B	M3 Switch #3A	M3 Switch #3B	PPE	Poor Lighting
Inspection Subunits	0	0	0	0	0	0
Defects (Number)	0	1	0	0	3	2
Recommended Finding	0	1	0	0	3	2
Remedial Action Required¹	NO	YES	NO	NO	YES	YES
Recommended Reinspection	NO	NO	NO	NO	YES	YES

Activity Summaries

Inspection Activity #	4	Inspection Subject	ATC – Quarterly Inspection - Observation			Activity Code		ATC	OBS	WI	
Job Briefing Employee Name/Title	WMATA RWIC ██████████ #██████████		Accompanied Inspector?	YES	Out Brief Conducted	YES	Time	0130am	Outside Shift	YES	
Related Reports	N/A		Related CAPS / Findings		N/A						
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP		Standard		Other / Title		Checklist Reference			
	WO#	ATC – 1000		O&M		Form 1008		ATC-1008			
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
	1 & 2		X		TCR-			YARD		X	
Line(s)	Orange	Track Number	1 & 2	Chain Marker and/or Station(s)		From		To			
						E. Market; – CM 141+07		E. Market; CM 144+70			

¹ The rail transit agency must provide WMSC 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 WMSC verification inspections to ensure corrections are sufficient and effective.

Inspector in Charge –	Date
Kemmerly E. Kendrick, ATC SME	December 12, 2019
Inspector in Charge – Name	Inspection Team
Kemmerly E. Kendrick	Washington Metrorail Safety Commission



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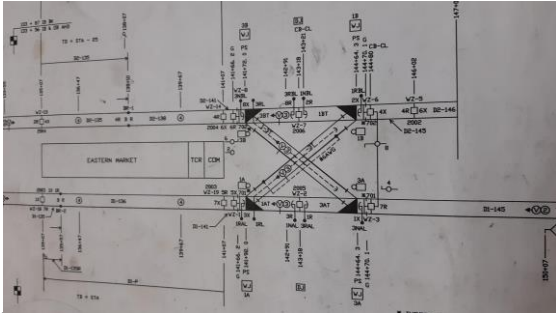
Vehicles	Head Car Number	Number of Cars	Equipment	No train equipment involved in inspections		
	N/A	N/A				
Description	<p>WMATA personnel under the protection of a WMATA RWIC, ATC department performed the required Job Safety Briefing for performing 1008 – Switch Obstruction Test, and 1007 – Switch Hand Crank Cut-out Restoration, CWP and Point Detector Test and Lubrication; in accordance with WMATA ATC— 1000 Switch Inspections.</p> <p>RWIC informed all personnel that work being performed would take place at D06, within the interlocking, under non-revenue service using ETO, and Local Control, and Watchman Lookout. Additionally, assuring that area around switches are free of debris, and observing for faulty operation.</p> <p>Other work groups were; Track Department, and the Power Department – replacing lights within the ATCR.</p> <p>Test Location: D06, Eastern Market Interlocking Pennsylvania and 7th St. SE (DC). With permission requested and granted by ROCC for local control, the inspection commenced at approximately 0135am hours. Inspection and testing concluded approximately 0330am.</p> <p>Notable Observations:</p> <ol style="list-style-type: none"> 1. All testing was performed without any abnormalities. Work crew exhibited skill and confidence in performance of all duties 2. Each switch required approximately 30 minutes for complete lubrication, adjustment and testing. 3. Recommend continued testing to be performed Mid-night to early morning hours for complete quarterly service of ATC track switches and equipment within WMATAs interlockings 4. 3 employees refuse to wear appropriate PPE – safety glasses or face shields during testing 5. 1 Helper set the bar for all the others by properly and appropriately wearing of PPE throughout inspection 6. During switch movement 1 employee was standing on the point guard shield (location 1B-Tk #2) while the switch point was in motion (rev and norm moves). I advised employee that the shield’s intended purpose was not designed to support his weight but designed to protect the point from objects that may become logged into point by moving trains. 7. 2 switch lights were inoperable at Switches 1A & 3A. 8. 4 missing Track Department bolts marked with an “X” in vicinity of switch points on Tracks 1 & 2. Photos attached. 9. Liquid Tight exposed wires and components to rodents and water. 			Number of Defects	6	
				Recommended Finding?	Yes	
				Remedial Action Required?	Yes	
				Recommended Reinspection?	Yes	
Remedial Action	<ol style="list-style-type: none"> 1. Supervisors must reinforce of proper ware of PPE by all employees for their own protection while in performance of their duties. 2. Supervision must reinforce proper foot placement by employees in and around movable switch points, for protection of equipment and unnecessary employee injuries. 3. Replace insufficient lighting immediately; for employee safety and appropriate lighting for repairs to switch apparatus when the need arises 4. Replace missing bolts around switch point areas or explain why they are being removed 5. 1 grate presents itself as a tripping hazard in the tunnel near a switch on Track #1. If work crews are in this interlocking working under revenue service, this could become a life altering tripping hazard and should be fixed immediately. Photos attached. 					



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Switch		Point Opening		Switch Obstruction Test				Switch Machine Internal and External Inspections (I)		Tests
No.	Type	N	R	Verify Switch Not Locked (N)	Verify Switch Out Of Correspondence (R)	Verify Switch In (N)	Verify Switch Out (R)	Internal (I)	External (E)	
3B	M3	4"	4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
1B	M3	4"	3 3/4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
3A	M3	4 1/2"	4 1/2"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
1A	M3	4"	4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248

Remarks: SW 1A TRACK LIGHT IS OUT / SW 3A TRACK LIGHT IS OUT / 1B Switch Track 1 Stud ball Missing

Signature: [Redacted] / 013798
Emp No. [Redacted] Reviewing Supervisor Emp No.



Switch		Point Opening		Switch Obstruction Test				Switch Machine Internal and External Inspections (I)		Tests
No.	Type	N	R	Verify Switch Not Locked (N)	Verify Switch Out Of Correspondence (R)	Verify Switch In (N)	Verify Switch Out (R)	Internal (I)	External (E)	
3B	M3	4"	4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
1B	M3	4"	3 3/4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
3A	M3	4 1/2"	4 1/2"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248
1A	M3	4"	4"	✓	✓	✓	✓	✓	✓	2245, 2246, 2247, 2248

Remarks: SW 1A TRACK LIGHT IS OUT / SW 3A TRACK LIGHT IS OUT / 1B and 3A Switch Cable Connection Loose / 1B Switch Track 1 Stud ball Missing

Signature: [Redacted] / 013798
Emp No. [Redacted] Reviewing Supervisor Emp No.

Form 008 Rev 1.0 06/2015



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Form 1007 Switchboard Cut-out, Restoration, CWP And Point Detection Tests Sheet

ATC-1000

Item	Test	Test Date	Tested By	Test Results	Remarks	Tested By	Test Date	Test Results	Remarks
13.12.1	SB	05.5							
	1D	0.3							
	3A	0.5							
	7.R	0.5							

Signature: [Redacted] Date: 01/31/18

Form 1007 Switchboard Cut-out, Restoration, CWP And Point Detection Tests Sheet

ATC-1000

Signature: [Redacted] Date: 01/31/18

Remarks: [Redacted]

Form 1007 Switchboard Cut-out, Restoration, CWP And Point Detection Tests Sheet

ATC-1000

Signature: [Redacted] Date: 01/31/18

Remarks: [Redacted]