

Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Increation Date	YYYY/MM/DD	Donart Number	20240424 WMACC ALE 4		
Inspection Date	2024/01/25	Report Number	20240124-WMSC-AJF-1		
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name		
Rail Agency Department	WMATA	Contact Information			
Inspection Location	(E06), TCR #126, with ATC Field Personnel. The Purpos within acceptable limits. Prior to starting RWIC 2398 Protection from AMF 2485. WMSC Inspector inspected was up to date on the marker coil test unit T1677S. joint PMI (ATC 1012A-1) being performed by ATC 2426 Inspector observed ATC Personnel place marker coil limits. WMSC Inspector observed ATC Personnel recoil limits. WMSC Inspector verified F4 20" sticker was leg observed ATC Personnel perform section 2, maker pla	se of this PMI is to verify that performed a Job Safety Bried tools and equipment with A WMSC Inspector, ATC 2426 8 & ATC 2415. This ATC Team statest on top of the marker coard the marker coil frequency gible and placed on the corrected and offset tic Test limits and verifying to WMSC Inspector and ATC Performed to the corrected and offset the total corrected and offset the total corrected and ATC Performed to the corrected and ATC Performed to the corrected and ATC Performed to the corrected and ATC Performed and ATC Performed to the corrected and the	A ATC 2415 Proceeded walking along the wayside during a arted performing steps 1.1 - 1.4 of ATC 1025. WMSC il and verified that the frequency was within the peak 's of F3 & F8 using ATC 1025 Table 1 Wayside Static Test ect side of the marker coil cover. WMSC Inspector values, 2.1 - 2.4, verifying that F1 & F9 frequency they were inside not less than 4 feet nor more than 8 feet resonnel regrouped back at TCR #126. WMSC Inspector		

Inspection Summary

Inspection Activity #	1
Activity Code	STC-RI-PI
Inspection Units	1
Inspection Subunits	1
Defects (Number)	
Recommended Finding	Yes
Remedial Action Required ¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Ins	pection Sub	ject	ATO Marker Coil P	oil PMI Inspection Activity Code				STC-RI-PI				
Job Briefing Employee Name/Title	RWIC/ATC 2398 Cell #267-949- 6840			Accompar	ied Inspector?	No	Out Brief Conducted	Yes Time			10:00 AM		tside hift	No
Related Reports	ATO/ADO			Related C	APS / Findings		N/A							
Related Rules, SOPs, Standards, or Other	Reference Documents - Metro Safety Rules and Procedures Handbook Rules (MSRPH Rules) - Operations Administrative Policies (OAP) 204-01 and 113-23 - TCR location Book-of- Plans (BOP) - ATC-2000 -			Metro Safety Rules and rocedures Handbook Rules		ATC 1000 Procedures		Other / Title			ATC-2000 - System Integrity Maintenance Practice			
Inspection Location	Main Track Yard Statio			occ	RTA Facility	WMSC Office	Track Type	At-gr	ade	Tunnel		Elevated	N/	Α
	ATO Marker Coil Inspection ATC 1025 January 24, 2024, WMSC Inspector performed an ATO Marker Coil field observation at Fort Totten (E06), TCR #126, with ATC Field Personnel. The Purpose of this PMI is to verify that the resonant frequency peak for each ATO marker is within acceptable limits. Prior to starting RWIC 2398 performed a Job Safety Briefing, which included the hazards, working limits and AMF Protection from AMF 2485. WMSC Inspector inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was							From		X		То	X	



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Vehicles N/A N/A Equipment Equipment Tools and Equipment All electronic equipment used to make precision measurements during the performance of this procedure must be properly calibrated (see OAP 204-01 and 113-23). Record the calibration information (Model). Serial Number, and Date Due for Calibration) in the space provided on the associated datasheetATCM required hard tools -High-Temperature Slippery UHMW Polyethylene, FDA Compliant Bar, 1-1/2" Thick, 1-1/2" Wide-Marker Coil Test Set ATO Marker Coil Inspection ATC 1025 January 24, 2024, WMSC Inspector performed an ATO Marker Coil field observation at Fort Totten (E06), TCR #126, with ATC Field Personnel. The Purpose of this PMI is to verify that the resonant frequency peak for each ATO marker is within acceptable limits. Prior to starting RWIC 2398 performed a Job Safety Briefing, which included the hazards, working limits and AMF Protection from AMF 2485. WMSC Inspector inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T16775. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel performed and started performing steps 1.1 - 2.4 of ATC 1025. WMSC Inspector observed ATC Personnel performed and started performing steps 1.1 - 2.4 of ATC 1025. WMSC Inspector observed ATC Personnel performed and started performs extino 2. maker placement tolerance and offset values, 2.1 - 2.4, verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. T	Line(s) & Track Number	up to date on the marker T1677S. WMSC Inspector, 2415 Proceeded walking during a joint PMI (ATC 10 performed by ATC 2426 & Team started performing ATC 1025. WMSC Inspecto Personnel place marker of the marker coil and verifif frequency was within the Inspector observed ATC Pmarker coil frequency's of 1025 Table 1 Wayside Staw MMSC Inspector verified legible and placed on the marker coil cover. WMSC ATC Personnel perform sof placement tolerance and 2.4, verifying that F1 & F9 where within ATC 1025 ta Static Test limits and ver inside not less than 4 fee feet apart. Testing conclusion approximately 11:49 and and ATC Personnel regrouf 126. WMSC Inspector gathe final testing forms ar verified that the right ma attached to the right chadeparture.	ATC 2426 & ATC along the wayside D12A-1) being ATC 2415. This ATC is steps 1.1 - 1.4 of it observed ATC coil test on top of ied that the epak limits. WMSC ersonnel record the fF3 & F8 using ATC atic Test limits. F4 20" sticker was ecorrect side of the Inspector observed ection 2, maker offset values, 2.1 - if requency numbers able 1 Wayside rifying they were et nor more than 8 uded at WMSC Inspector uped back at TCR withered pictures of and procedures and arker coils were	Station(s	rker and/or	E2 143+00		E2 215+00	
Marker Coil field observation at Fort Totten (E06), TCR #126, with ATC Field Personnel. The Purpose of this PMI is to verify that the resonant frequency peak for each ATO marker is within acceptable limits. Prior to starting RWIC 2398 performed a Job Safety Briefing, which included the hazards, working limits and AMF Protection from AMF 2485. WMSC Inspector inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T16775. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel place marker coil test on top of the marker coil and verified that the frequency was within the peak limits. WMSC Inspector observed ATC Personnel record the marker coil frequencies of F3 & F8 using ATC 1025 Table 1 Wayside Static Test limits. WMSC Inspector observed ATC Personnel perform section 2, maker placement tolerance and offset values, 2.1 - 2.4, verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. Testing concluded at approximately 11:49 and WMSC Inspector and ATC Personnel regrouped back at TCR #126. WMSC Inspector gathered pictures of the final testing forms and procedures and verified that	Vehicles			ars	Equipment	measurements properly calibr information (N the space prov tools -High-Te	s during the performance of t ated (see OAP 204-01 and 11 Model, Serial Number, and D vided on the associated datas mperature Slippery UHMW P	this procedure in 3-23). Record the ate Due for Calib sheetATCM re olyethylene, FDA	nust be e calibration pration) in quired hand
Purpose of this PMI is to verify that the resonant frequency peak for each ATO marker is within acceptable limits. Prior to starting RWIC 2398 performed a Job Safety Briefing, which included the hazards, working limits and AMF Protection from AMF 2485. WMSC Inspector inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T1677S. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel place marker coil test on top of the marker coil and verified that the frequency was within the peak limits. WMSC Inspector observed ATC Personnel place values, 2.1 - 2.4 verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. Testing concluded at approximately 11:49 and WMSC Inspector and ATC Personnel regrouped back at TCR #126. WMSC Inspector gathered pictures of the final testing forms and procedures and verified that		·	,				Number of Defects		
within acceptable limits. Prior to starting RWIC 2398 performed a Job Safety Briefing, which included the hazards, working limits and AMF Protection from AMF 2485. WMSC Inspector inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T16775. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel place marker coil test on top of the marker coil and verified that the frequency was within the peak limits. WMSC Inspector observed ATC Personnel record the marker coil frequencies of F3 & F8 using ATC 1025 Table 1 Wayside Static Test limits. WMSC Inspector observed ATC Personnel perform section 2, maker placement tolerance and offset values, 2.1 - 2.4, verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. Testing concluded at approximately 11:49 and WMSC Inspector and ATC Personnel regrouped back at TCR #126. WMSC Inspector gathered pictures of the final testing forms and procedures and verified that							Recommended Finding?	Yes	
inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T16775. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel place marker coil test on top of the marker coil and verified that the frequency was within the peak limits. WMSC Inspector observed ATC Personnel record the marker coil frequencies of F3 & F8 using ATC 1025 Table 1 Wayside Static Test limits. WMSC Inspector verified F4 20" sticker was legible and placed on the correct side of the marker coil cover. WMSC Inspector observed ATC Personnel perform section 2, maker placement tolerance and offset values, 2.1 - 2.4, verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. Testing concluded at approximately 11:49 and WMSC Inspector and ATC Personnel regrouped back at TCR #126. WMSC Inspector gathered pictures of the final testing forms and procedures and verified that				Remedial Action Required?		No			
the right marker coils were attached to the right chain markers before departure. Remedial Action	Description	inspected tools and equipment with ATC 2426 & ATC 2415 and checked that the calibration was up to date on the marker coil test unit T1677S. WMSC Inspector, ATC 2426 & ATC 2415 Proceeded walking along the wayside during a joint PMI (ATC 1012A-1) being performed and started performing steps 1.1 - 1.4 of ATC 1025. WMSC Inspector observed ATC Personnel place marker coil test on top of the marker coil and verified that the frequency was within the peak limits. WMSC Inspector observed ATC Personnel record the marker coil frequencies of F3 & F8 using ATC 1025 Table 1 Wayside Static Test limits. WMSC Inspector verified F4 20" sticker was legible and placed on the correct side of the marker coil cover. WMSC Inspector observed ATC Personnel perform section 2, maker placement tolerance and offset values, 2.1 - 2.4, verifying that F1 & F9 frequency numbers where within ATC 1025 table 1 Wayside Static Test limits and verifying they were inside not less than 4 feet nor more than 8 feet apart. Testing concluded at approximately 11:49 and WMSC Inspector and ATC Personnel regrouped back at TCR #126.							No



Photos: OLD_COIL.



3_5922.jpg





IMG_5930.j pg



IMG_04901 .jpg



Washington Metrorail Safety Commission

IMG_5933.jpg



IMG_5947.jpg





Inspection Form

Form WMSC-IR-1
Washington Metrorail Safety Commission

Marker_Coil_laying_in_water___and___mud.jpg



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. Close out of Remedial Actions may also be subject to again WMSC verification inspections to ensure corrections are sufficient and effective

Action. Closeout of Remedial Actions may also be subject to ongoing WMSC verification inspections to ensure corrections are sufficient and effective. Inspector in Charge's Signature Date								
inspector in charge's signature		2024/01/25						
		, ,						
Inspector in Charge's Name	Inspection Team							
Allen Freeman	N/A							