



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY	MM	DD	Report Number	20210318-WMSC-MAL-1		
	2021	03	18				
Rail Agency Name	Washington Metropolitan Area Transit Authority			Rail Agency Department	CMNT	Sub- Department	Shady Grove Yard
Rail Agency Department Contact Information	Name		Email		Office Phone		Mobile Phone
	[REDACTED]		[REDACTED]		[REDACTED]		[REDACTED]
Inspection Location	Shady Grove S&I Shop - Railyard A99 15903 Somerville Drive Rockville, MD 20855						

Inspection Summary

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

Activity Summaries

Inspection Activity #	1	Inspection Subject	Remote Inspection				Activity Code		VM	WI	PI
Job Briefing Employee Name/Title	WMATA Inspection			Accompanied Inspector?	N/A	Out Brief Conducted	N/A	Time	Remote	Outside Shift	No
Related Reports	N/A			Related CAPS / Findings							
Related Rules, SOPs, Standards, or Other	Ref		Rule or SOP		Standard		Other / Title		Checklist Reference		
	MetroRail Safety Rules and Procedures Handbook (MSRPH). Section 4– Safety Rules										
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A
		X									X
Line(s)	A99	Track Number	N/A	Chain Marker and/or Station(s)			From		To		
							N/A		N/A		
Vehicles	Head Car Number		Number of Cars		Equipment		N/A				
	N/A		N/A								



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Description	<p>WMSC Inspector conducted a remote rules compliance inspection of the Shady Grove S&I Shop and Yard. The inspector reviewed several documents from daily activities performed at this facility for compliance with Metrorail Safety Rules and Procedures Handbook (MSRPH), as well as equipment maintenance activities, and documentation.</p> <p>The following documents were reviewed: <u>CMNT Daily Shop Safety Inspection & Housekeeping Checklist from Jan 25 28 and 29-2021</u></p> <ul style="list-style-type: none"> ○ Reviewed CMNT’s Daily Shop Safety Inspection & Housekeeping Checklist and the following information is provided. ○ CMNT’s Daily Shop Safety Inspection & Housekeeping Checklist properly identifies safety hazards, action taken, and if the issue was mitigated. Work Order # 16149035 was issued to correct tripping hazards associated with broken concrete slab at the S&I Building. See Attachment #1. <p><u>Periodic Inspections (PIs) Type A1 data was provided for railcars 7596-97 for 2-09-2021.</u></p> <ul style="list-style-type: none"> ○ Reviewed PIs Type A1 data for railcars 7596-97 and the following information is provided. ○ Finding # 1 - Task 80 – The PI procedure measures the car body and air spring heights, but it does not state the acceptable range for these dimensions. See attachment #2. <p><u>Special Tools list</u></p> <ul style="list-style-type: none"> ○ Reviewed the special tools list and the following comments are provided. ○ Finding # 2 –Tools needed to conduct measurements and specialized tasks are either damaged or not at all available to perform work as prescribed by procedures for Periodic Inspections on 7K, 2K3K, and 6K railcars. See Attachment #3. <p><u>Safety Committee Safety Concern Open Items List at Shady Grove Yard.</u></p> <ul style="list-style-type: none"> ○ WMATA’s safety committee meets monthly to address railcars, equipment, and facilities issues. This committee prepares a spreadsheet to track the status of open items, expected completion date, and responsible party. ○ Shady Grove S&I provided the following list of safety concerns. <ol style="list-style-type: none"> 1. Inadequate lighting at the S&I Shop. Shady Grove S&I has not received the new LED lighting upgrade. 2. Missing third rail heater tape in the yard. ○ Please ensure these safety concerns are addressed during the Safety Committee’s meetings. 	Number of Defects	2
		Recommended Finding?	
		Remedial Action Required?	No
		Recommended Reinspection?	No
Remedial Action	N/A		
Effective Practices	<p>Effective Practices</p> <ul style="list-style-type: none"> ○ Good accomplishment. The documents provided depict that the Shady Grove facility is a well-organized and managed facility. These documents clearly describe processes, identifies issues, safety concerns, and action taken to mitigate the safety concern. 		

Photos:



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Attachment 1 – W/O was issued to correct tripping hazards associated with broken concrete slab at the S&I Building.

Work Order #: **16148835**  Status: APPR
 Type: CM 02/08/2021 14:31

Work Description: **A90 - 6N AT APRON BROKEN CONCRETE SLAB, POSSIBLE TRIPPING HAZARD**
 Job Plan Description:

Asset		Work Information	
Asset: PLNTA00	A90, PLNT YARD EQUIPMENT, SHADY GROVE S & I	Owning Office:	Parent:
Asset Tag:		Maintenance Office: PLNT	Create Date: 02/05/2021 15:30
Asset SN:		Labor Group: PLNT-CRSE-MSN1	Actual Start:
Location: 1130	A90, SHADY GROVE YARD, BUILDING (C) S&I	Crew:	Actual Comp:
Work Location:		Lead: PLCS1-EBEN1	Ben:
Failure Class:		GL Account: WMATA-02-31540-50430050-042-*****-GPR	Target Start:
Problem Code:		Supervisor: x54300	Target Comp:
Requested By:		Chain Mark End:	Scheduled Start:
Chain Mark Start:		Complete Mileage: 0.0	
Create Mileage: 0.0			

Failure Reporting			
Cause	Remedy	Supervisor	Remark Date

Attachment 2 – PI Checklist Task 80 for railcars 7596-97 carbody and air spring heights of 2-9-2021.

CHECKLIST TABLES

Carbody Height

		A-Car		B-Car	
		Left Side	Right Side	Left Side	Right Side
Front	Wheel Diameter			Wheel Diameter	Wheel Diameter
	Air Spring Height	54 1/2"	54 1/2"	XXX	XXX
	Carbody Height	40	39 3/4"	Carbody Height	Carbody Height
Rear	Wheel Diameter			Wheel Diameter	Wheel Diameter
	Air Spring Height	50	50	XXX	XXX
	Carbody Height	40	40	Carbody Height	Carbody Height

M CENV Form 40.960, Periodic Inspection – 7000 Series – V 0.0
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CL80-1
 10/04/2020



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Attachment 3 – Tools needed to conduct measurements and specialized tasks are either damaged or not at all available to perform work as prescribed by procedure. for Periodic Inspections on 7K, 2K3K, and 6K railcars.

WMSC Drawing Number	Description	Total Stock Quantity (List Quantity and Associated Asset #)	OK	OK/OK	OK	Other/Not
Task 20						
W0600044	Shank and Thickness Gauge	1, AS 41307, AS 41308, AS 41309	1	0	0	0
W0600049	Pin Gauge Set	1, AS 40061, AS 40070, AS 40078	1	0	0	0
W0600054	Shoe Length Test - 3 FT	1, AS 40216, AS 40217, AS 40218, One for spare to hold #1	1	0	0	0
W0600070	Shoe Height Test - 3 FT	1, AS 40216, AS 40217, AS 40218, One for spare to hold #1	1	0	0	0
W0600097	Water Penetration Measurement Line Gauge	1, AS 40152, AS 40153, AS 40154	1	0	0	0
W0600104	Control Hook Bolt and Pin Gauge	1, AS 40150, AS 40151, AS 40152	1	0	0	0
W0600119	Control Hook Bolt and Pin Gauge	1, AS 40151, AS 40152, AS 40153	1	0	0	0
W0600132	Control Hook Bolt and Pin Gauge	1, AS 40152, AS 40153, AS 40154	1	0	0	0
W0600145	Pin Gauge	1, AS 40153, AS 40154, AS 40155	1	0	0	0
W0600158	Pin Gauge	1, Unable to read Asset #	1	0	0	0
W0600171	Pin Gauge	1, AS 40154, AS 40155	1	0	0	0
W0600184	Pin Gauge	1, AS 40155, AS 40156, AS 40157	1	0	0	0
W0600197	Pin Gauge	1, AS 40156, AS 40157, AS 40158	1	0	0	0
W0600210	Pin Gauge	1, AS 40157, AS 40158, AS 40159	1	0	0	0
W0600223	Pin Gauge	1, AS 40158, AS 40159, AS 40160	1	0	0	0
Task 30/35						
W0600236	Shank Gauge	1	1	0	0	0
W0600250	Shank Gauge	1, #1	1	0	0	0
W0600263	Shank Gauge	1, AS 40170, AS 40171, AS 40172	1	0	0	0
W0600276	Shank Gauge	1, AS 40172, AS 40173, AS 40174	1	0	0	0
W0600289	Shank Gauge	1, AS 40174, AS 40175, AS 40176	1	0	0	0
W0600302	Shank Gauge	1, AS 40176, AS 40177, AS 40178	1	0	0	0
W0600315	Shank Gauge	1, AS 40178, AS 40179, AS 40180	1	0	0	0
W0600328	Shank Gauge	1, AS 40180, AS 40181, AS 40182	1	0	0	0
W0600341	Shank Gauge	1, AS 40182, AS 40183, AS 40184	1	0	0	0
W0600354	Shank Gauge	1, AS 40184, AS 40185, AS 40186	1	0	0	0
W0600367	Shank Gauge	1, AS 40186, AS 40187, AS 40188	1	0	0	0
W0600380	Shank Gauge	1, AS 40188, AS 40189, AS 40190	1	0	0	0
W0600393	Shank Gauge	1, AS 40190, AS 40191, AS 40192	1	0	0	0
W0600406	Shank Gauge	1, AS 40192, AS 40193, AS 40194	1	0	0	0
W0600419	Shank Gauge	1, AS 40194, AS 40195, AS 40196	1	0	0	0
W0600432	Shank Gauge	1, AS 40196, AS 40197, AS 40198	1	0	0	0
W0600445	Shank Gauge	1, AS 40198, AS 40199, AS 40200	1	0	0	0
W0600458	Shank Gauge	1, AS 40200, AS 40201, AS 40202	1	0	0	0
W0600471	Shank Gauge	1, AS 40202, AS 40203, AS 40204	1	0	0	0
W0600484	Shank Gauge	1, AS 40204, AS 40205, AS 40206	1	0	0	0
W0600497	Shank Gauge	1, AS 40206, AS 40207, AS 40208	1	0	0	0
W0600510	Shank Gauge	1, AS 40208, AS 40209, AS 40210	1	0	0	0
W0600523	Shank Gauge	1, AS 40210, AS 40211, AS 40212	1	0	0	0
W0600536	Shank Gauge	1, AS 40212, AS 40213, AS 40214	1	0	0	0
W0600549	Shank Gauge	1, AS 40214, AS 40215, AS 40216	1	0	0	0
W0600562	Shank Gauge	1, AS 40216, AS 40217, AS 40218	1	0	0	0
W0600575	Shank Gauge	1, AS 40218, AS 40219, AS 40220	1	0	0	0
W0600588	Shank Gauge	1, AS 40220, AS 40221, AS 40222	1	0	0	0
W0600601	Shank Gauge	1, AS 40222, AS 40223, AS 40224	1	0	0	0
W0600614	Shank Gauge	1, AS 40224, AS 40225, AS 40226	1	0	0	0
W0600627	Shank Gauge	1, AS 40226, AS 40227, AS 40228	1	0	0	0
W0600640	Shank Gauge	1, AS 40228, AS 40229, AS 40230	1	0	0	0
W0600653	Shank Gauge	1, AS 40230, AS 40231, AS 40232	1	0	0	0
W0600666	Shank Gauge	1, AS 40232, AS 40233, AS 40234	1	0	0	0
W0600679	Shank Gauge	1, AS 40234, AS 40235, AS 40236	1	0	0	0
W0600692	Shank Gauge	1, AS 40236, AS 40237, AS 40238	1	0	0	0
W0600705	Shank Gauge	1, AS 40238, AS 40239, AS 40240	1	0	0	0
W0600718	Shank Gauge	1, AS 40240, AS 40241, AS 40242	1	0	0	0
W0600731	Shank Gauge	1, AS 40242, AS 40243, AS 40244	1	0	0	0
W0600744	Shank Gauge	1, AS 40244, AS 40245, AS 40246	1	0	0	0
W0600757	Shank Gauge	1, AS 40246, AS 40247, AS 40248	1	0	0	0
W0600770	Shank Gauge	1, AS 40248, AS 40249, AS 40250	1	0	0	0
W0600783	Shank Gauge	1, AS 40250, AS 40251, AS 40252	1	0	0	0
W0600796	Shank Gauge	1, AS 40252, AS 40253, AS 40254	1	0	0	0
W0600809	Shank Gauge	1, AS 40254, AS 40255, AS 40256	1	0	0	0
W0600822	Shank Gauge	1, AS 40256, AS 40257, AS 40258	1	0	0	0
W0600835	Shank Gauge	1, AS 40258, AS 40259, AS 40260	1	0	0	0
W0600848	Shank Gauge	1, AS 40260, AS 40261, AS 40262	1	0	0	0
W0600861	Shank Gauge	1, AS 40262, AS 40263, AS 40264	1	0	0	0
W0600874	Shank Gauge	1, AS 40264, AS 40265, AS 40266	1	0	0	0
W0600887	Shank Gauge	1, AS 40266, AS 40267, AS 40268	1	0	0	0
W0600900	Shank Gauge	1, AS 40268, AS 40269, AS 40270	1	0	0	0
W0600913	Shank Gauge	1, AS 40270, AS 40271, AS 40272	1	0	0	0
W0600926	Shank Gauge	1, AS 40272, AS 40273, AS 40274	1	0	0	0
W0600939	Shank Gauge	1, AS 40274, AS 40275, AS 40276	1	0	0	0
W0600952	Shank Gauge	1, AS 40276, AS 40277, AS 40278	1	0	0	0
W0600965	Shank Gauge	1, AS 40278, AS 40279, AS 40280	1	0	0	0
W0600978	Shank Gauge	1, AS 40280, AS 40281, AS 40282	1	0	0	0
W0600991	Shank Gauge	1, AS 40282, AS 40283, AS 40284	1	0	0	0
W0601004	Shank Gauge	1, AS 40284, AS 40285, AS 40286	1	0	0	0
W0601017	Shank Gauge	1, AS 40286, AS 40287, AS 40288	1	0	0	0
W0601030	Shank Gauge	1, AS 40288, AS 40289, AS 40290	1	0	0	0
W0601043	Shank Gauge	1, AS 40290, AS 40291, AS 40292	1	0	0	0
W0601056	Shank Gauge	1, AS 40292, AS 40293, AS 40294	1	0	0	0
W0601069	Shank Gauge	1, AS 40294, AS 40295, AS 40296	1	0	0	0
W0601082	Shank Gauge	1, AS 40296, AS 40297, AS 40298	1	0	0	0
W0601095	Shank Gauge	1, AS 40298, AS 40299, AS 40300	1	0	0	0
W0601108	Shank Gauge	1, AS 40300, AS 40301, AS 40302	1	0	0	0
W0601121	Shank Gauge	1, AS 40302, AS 40303, AS 40304	1	0	0	0
W0601134	Shank Gauge	1, AS 40304, AS 40305, AS 40306	1	0	0	0
W0601147	Shank Gauge	1, AS 40306, AS 40307, AS 40308	1	0	0	0
W0601160	Shank Gauge	1, AS 40308, AS 40309, AS 40310	1	0	0	0
W0601173	Shank Gauge	1, AS 40310, AS 40311, AS 40312	1	0	0	0
W0601186	Shank Gauge	1, AS 40312, AS 40313, AS 40314	1	0	0	0
W0601199	Shank Gauge	1, AS 40314, AS 40315, AS 40316	1	0	0	0
W0601212	Shank Gauge	1, AS 40316, AS 40317, AS 40318	1	0	0	0
W0601225	Shank Gauge	1, AS 40318, AS 40319, AS 40320	1	0	0	0
W0601238	Shank Gauge	1, AS 40320, AS 40321, AS 40322	1	0	0	0
W0601251	Shank Gauge	1, AS 40322, AS 40323, AS 40324	1	0	0	0
W0601264	Shank Gauge	1, AS 40324, AS 40325, AS 40326	1	0	0	0
W0601277	Shank Gauge	1, AS 40326, AS 40327, AS 40328	1	0	0	0
W0601290	Shank Gauge	1, AS 40328, AS 40329, AS 40330	1	0	0	0
W0601303	Shank Gauge	1, AS 40330, AS 40331, AS 40332	1	0	0	0
W0601316	Shank Gauge	1, AS 40332, AS 40333, AS 40334	1	0	0	0
W0601329	Shank Gauge	1, AS 40334, AS 40335, AS 40336	1	0	0	0
W0601342	Shank Gauge	1, AS 40336, AS 40337, AS 40338	1	0	0	0
W0601355	Shank Gauge	1, AS 40338, AS 40339, AS 40340	1	0	0	0
W0601368	Shank Gauge	1, AS 40340, AS 40341, AS 40342	1	0	0	0
W0601381	Shank Gauge	1, AS 40342, AS 40343, AS 40344	1	0	0	0
W0601394	Shank Gauge	1, AS 40344, AS 40345, AS 40346	1	0	0	0
W0601407	Shank Gauge	1, AS 40346, AS 40347, AS 40348	1	0	0	0
W0601420	Shank Gauge	1, AS 40348, AS 40349, AS 40350	1	0	0	0
W0601433	Shank Gauge	1, AS 40350, AS 40351, AS 40352	1	0	0	0
W0601446	Shank Gauge	1, AS 40352, AS 40353, AS 40354	1	0	0	0
W0601459	Shank Gauge	1, AS 40354, AS 40355, AS 40356	1	0	0	0
W0601472	Shank Gauge	1, AS 40356, AS 40357, AS 40358	1	0	0	0
W0601485	Shank Gauge	1, AS 40358, AS 40359, AS 40360	1	0	0	0
W0601498	Shank Gauge	1, AS 40360, AS 40361, AS 40362	1	0	0	0
W0601511	Shank Gauge	1, AS 40362, AS 40363, AS 40364	1	0	0	0
W0601524	Shank Gauge	1, AS 40364, AS 40365, AS 40366	1	0	0	0
W0601537	Shank Gauge	1, AS 40366, AS 40367, AS 40368	1	0	0	0
W0601550	Shank Gauge	1, AS 40368, AS 40369, AS 40370	1	0	0	0
W0601563	Shank Gauge	1, AS 40370, AS 40371, AS 40372	1	0	0	0
W0601576	Shank Gauge	1, AS 40372, AS 40373, AS 40374	1	0	0	0
W0601589	Shank Gauge	1, AS 40374, AS 40375, AS 40376	1	0	0	0
W0601602	Shank Gauge	1, AS 40376, AS 40377, AS 40378	1	0	0	0
W0601615	Shank Gauge	1, AS 40378, AS 40379, AS 40380	1	0	0	0
W0601628	Shank Gauge	1, AS 40380, AS 40381, AS 40382	1	0	0	0
W0601641	Shank Gauge	1, AS 40382, AS 40383, AS 40384	1	0	0	0
W0601654	Shank Gauge	1, AS 40384, AS 40385, AS 40386	1	0	0	0
W0601667	Shank Gauge	1, AS 40386, AS 40387, AS 40388	1	0	0	0
W0601680	Shank Gauge	1, AS 40388, AS 40389, AS 40390	1	0	0	0
W0601693	Shank Gauge	1, AS 40390, AS 40391, AS 40392	1	0	0	0
W0601706	Shank Gauge	1, AS 40392, AS 40393, AS 40394	1	0	0	0
W0601719	Shank Gauge	1, AS 40394, AS 40395, AS 40396	1	0	0	0
W0601732	Shank Gauge	1, AS 40396, AS 40397, AS 40398	1	0	0	0
W0601745	Shank Gauge	1, AS 40398, AS 40399, AS 40400	1	0	0	0
W0601758	Shank Gauge	1, AS 40400, AS 40401, AS 40402	1	0	0	0
W0601771	Shank Gauge	1, AS 40402, AS 40403, AS 40404	1	0	0	0
W0601784	Shank Gauge	1, AS 40404, AS 40405, AS 40406	1	0		