



**WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY**  
**DEPARTMENT OF TRANSIT INFRASTRUCTURE & ENGINEERING SERVICES**  
**OFFICE OF QUALITY ASSURANCE AND WARRANTY**

**QUALITY ASSESSMENT REPORT**

<b>REPORT NO.</b>	A-TRST-20140215-01	<b>PERFORMED - DATES:</b>	February 15, 2014
<b>ASSESSMENT PROJECT:</b>	Metro Center (A01) – Woodley Park (A04) Weekend Shutdown Activities	<b>PROGRAM:</b>	Dupont Circle (A03) Interlocking Switches and Diamond Replacement
<b>LOCATION:</b>	Dupont Circle (A03) Station and Roadway Interlocking Area	<b>PROGRAM MANAGER:</b>	Michael Thomas
<b>DATE OF NOTIFICATION:</b>	February 13, 2014	<b>PREPARED BY:</b>	Delmar Shoemaker

**ASSESSMENT OBJECTIVE:**

The Office of Quality Assurance and Warranty (QAAW) will perform a Quality Assessment of the various work zones for the Metro Center (A01) – Woodley Park (A04) Stations Weekend Shutdown. QAAW will confirm compliance with WMATA policy and the Mobile Operations Shutdown Coordination Work Plan, which will include work site setup and safety briefings. QAAW will identify areas for improvement and make recommendations as needed.

**ASSESSMENT SCOPE:**

To complete this assessment, QAAW reviewed the Mobile Operations Shutdown Coordination Work Plan and supporting documents, visited the work site and observed Track and Structures (TRST) Track Production (TPRO) personnel perform activities.

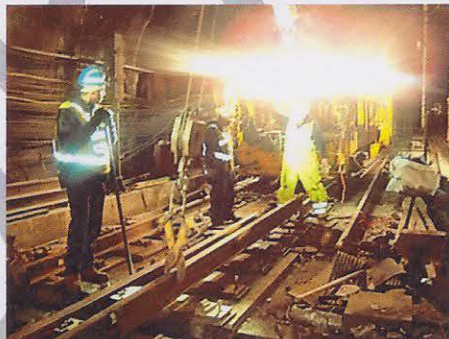
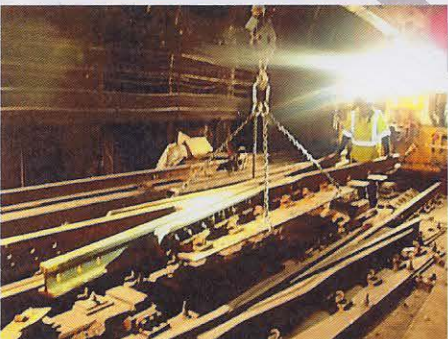
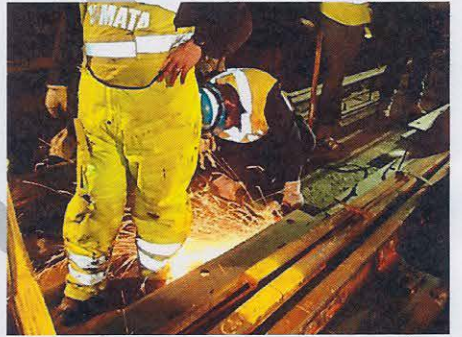
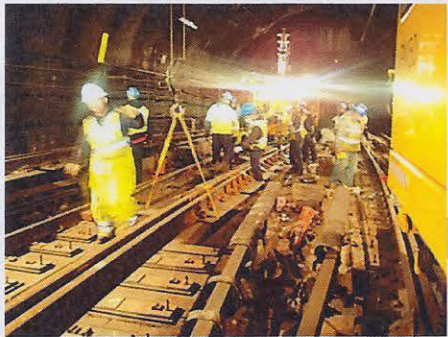
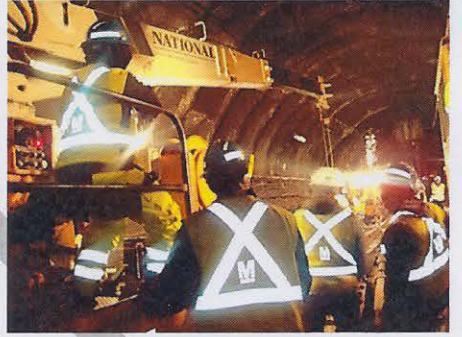
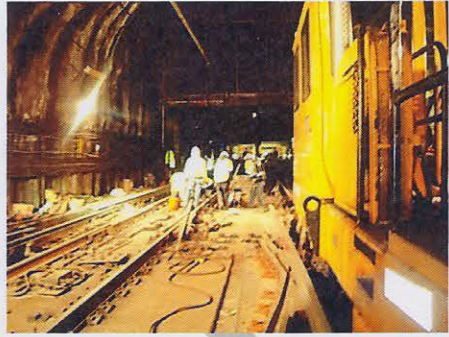
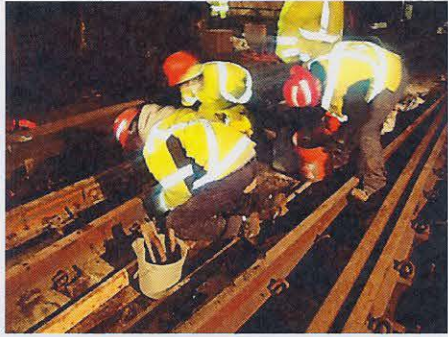
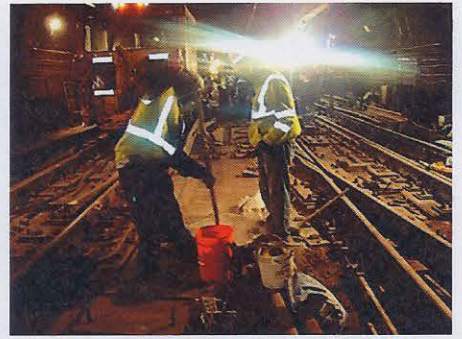
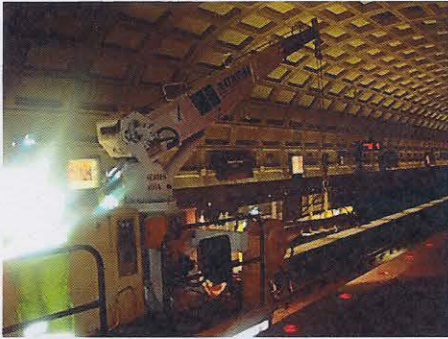
**EXECUTIVE SUMMARY:**

QAAW conducted a Quality Assessment on Saturday February 15, 2014 of the TRST Weekend Shutdown Activities. QAAW examined the work location for its compliance to WMATA Standards and the Mobile Operations Shutdown Coordination Work Plan. Overall, TRST/TPRO personnel did their assigned tasks accurately and safely. QAAW observed work done by TPRO personnel during this site visit and noted no findings requiring a response. QAAW will continue to monitor Shutdown activities and will provide recommendations as needed. This assessment is closed on distribution.

**FINDINGS:** None

**OBSERVATIONS & COMMENTS:**

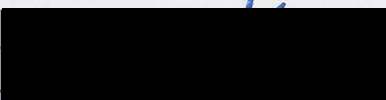
- 1) QAAW observations of TRST/TPRO personnel:
  - a) QAAW observed TPRO personnel performing A03 Interlocking Switches and Diamond Replacement.
  - b) QAAW observed four prime movers PM 38, PM 39, PM 41 and PM 50 travel safely on the A-Line within the work area and comply with RWP rules.
  - c) QAAW examined one prime mover PM 40 with a flat car connected with the wheels properly chocked.
  - d) QAAW observed TPRO personnel cutting off two old rail fastener studs and drilling holes for new studs.
  - e) QAAW examined large white bags used to contain removed jackhammered grout pad debris for later removal.
  - f) QAAW observed TPRO personnel installing rail fasteners and using a GEISMAR to torque fastener nuts.
  - g) QAAW observed TPRO personnel using track gauge alignment tool for verifying correct rail measurements.
- 2) Other Observations and Inspections:
  - a) QAAW observed contractors replacing ceiling tiles in the station.
  - b) QAAW examined work site set up on both tracks, to include WSAD units for RWP compliance.
  - c) QAAW examined and confirmed equipment required calibration, to include WSAD units in the work area had current calibration decals.
  - d) QAAW observed proper radio communications between the Gang Leaders and Mobile Command Center (MCC).
  - e) QAAW observed Gang Leaders compliance with RWP and MSRPH rules and regulations in the work area.
  - f) QAAW confirmed the use of PPE by WMATA and contractor personnel.
  - g) QAAW received a Safety Briefing at the Dupont Circle (A03) Station before entering the roadway. The Safety briefing from a TRST Track Inspection employee was thorough, covered the hazards in the work area, and checked for PPE.



**REPORT DISTRIBUTION:**

TRST: Darwin Kelly, Clay Bunting, Tony Talley, Fletcher Hamilton, Lisa Woodruff, Robin Richards; QAAW: Michael DiNatale


**QAAW Officer:**

  
Deimar Shoemaker

**QAAW Manager:**

  
John Panik

**Program Manager:**

  
Michael Thomas  
*(Signature implies only that this report has been received)*

**DATE:** 02-20-2014

**DATE:** 2-20-2014

**DATE:** 2-20-2014



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
TRANSIT INFRASTRUCTURE & ENGINEERING SERVICES  
OFFICE OF QUALITY ASSURANCE AND WARRANTY

QUALITY AUDIT REPORT

AUDIT NO.	A-TRST-20140914-01	AUDIT DATE(S):	September 14 - 17, 2014
AUDITED PROCEDURE / AREA:	Interlocking Rust Corrosion Maintenance Repair	AUDITED OFFICE / DIVISION:	TRST / TKMN
AUDIT LOCATION:	National Airport (C10)	MANAGEMENT REP:	Kenneth Wade
DATE OF AUDIT NOTIFICATION:	September 1, 2014	METHOD OF NOTIFICATION:	Email
ATTENDEES AT OPENING MEETING:	N/A	PREPARED BY:	Scott Gunter
ATTENDEES AT CLOSING MEETING:	N/A	FOLLOW-UP DATE:	N/A

**AUDIT OBJECTIVE:**

The Office of Quality Assurance and Warranty (QAAW) will conduct an audit of Track Maintenance (TKMN) South, Rust Corrosion Maintenance Repair on mainline roadway at National Airport (C10) to observe TKMN maintenance process, verify compliance with current procedures. QAAW will identify areas for improvement and make recommendations as needed.

**AUDIT SCOPE:**

To complete this audit, QAAW will visit the work site and observed TKMN work gang as they perform Interlocking Rust Corrosion Maintenance Repair on mainline at C10 work area per TKMN work instruction. Observe RWIC radio communication between ROCC, Roadway Worker Protection Manual (RWPM) and Metro Safety Rules and Procedures Handbook (MSRPH). QAAW will also observe Track vehicle operator communication with RWIC.

**EXECUTIVE SUMMARY:**

QAAW performed an audit of the TKMN Interlocking Rust Corrosion maintenance work instructions and observed TKMN work gang as they perform Interlocking Rust Corrosion Maintenance Repair on the mainline roadway at C10 interlocking. QAAW confirmed TKMN set up the work zone using Exclusive Track Occupancy (ETO) as their roadway protection. TKMN work gang and vehicle operator complied with RWPM and MSRPH procedures, TKMN RWIC successfully communicated with ROCC, work gang and Track vehicle operator PM 42.

QAAW confirmed MAXIMO job plan and report was completed by TKMN supervisor as required. QAAW noted no finding.

Report close upon distribution and no response required.

**FINDINGS:** None

**OBSERVATIONS and COMMENTS:**

1. QAAW observed and confirmed RWIC notified and communicated with ROCC prior to entering the roadway.
2. QAAW observed work instruction in hand to coordinate with work gang.
3. QAAW observed TKMN core drilling out defective studs at the following Chain Markers C1 359+00 to 360+00.
4. QAAW observed the interlocking rust corrosion repair of major components which influence the design of the track fasteners, grout pad and hardware.
5. QAAW verified and confirmed PM 42 transported work gang to work location to perform maintenance repair per RWPM.
6. PM 42 was chock and secured at each work location for ample lighting as needed by the work gang.
7. QAAW confirmed tools and equipment use by TKMN were appropriate and in good condition.
8. QAAW observed and confirmed RWIC set up work zone using ETO and safety equipment was properly placed.
9. QAAW examined RWIC WSAD box and radio had current calibration and in good condition.
10. QAAW verified and confirmed TKMN RWIC removed safety equipment from roadway and inspected work zone before returning mainline back to ROCC.
11. QAAW verified and confirmed safety briefing was conducted and forms were signed.

12. QAAW examined job tasks in MAXIMO #11200179 job tasks is ongoing throughout the week.

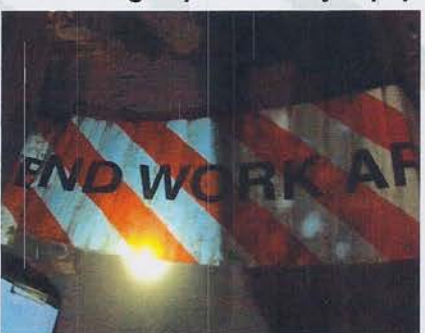
**TKMN Maintenance South Work Gang / Work in progress:**



**Defective Hardware and Corrosion:**




**RWIC setting in place safety Equipment:**



**AUDIT REPORT DISTRIBUTION:**

TRST: D. Kelly, C. Bunting, T. Talley, M. Smith, R. Richard  
 QAAW: M. DiNatale

**QAAW OFFICER:**

  
 Scott Günter

**QAAW MANAGER:**

  
 John Panik

**MANAGEMENT REP:**

Kenneth Wade  
*(Signature implies only that this report has been received)*

**DATE:** 9-17-2014

**DATE:** 9-18-2014

**DATE:**

12. QAAW examined job tasks in MAXIMO #11200179 job tasks is ongoing throughout the week.

**TKMN Maintenance South Work Gang / Work in progress:**



**Defective Hardware and Corrosion:**



**RWIC setting in place safety Equipment:**



**AUDIT REPORT DISTRIBUTION:**

TRST: D. Kelly, C. Bunting, T. Talley, M. Smith, R. Richard  
QAAW: M. DiNatale

**QAAW OFFICER:**

  
Scott Günter

**QAAW MANAGER:**

  
John Panik

**MANAGEMENT REP:**

  
Kenneth Wade  
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**DATE:** 9-18-2014

**DATE:** 9-22-2014



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QUALITY AUDIT REPORT

AUDIT NO.	A-TRST-20150120-01	AUDIT DATE(S):	1/20/2015
AUDITED PROCEDURE / AREA:	Field Office Recordkeeping	AUDITED OFFICE / DIVISION:	TRST/TKIN
AUDIT LOCATION:	F99_ Branch Avenue Yard	MANAGEMENT REP:	Desmond Lyles
DATE OF AUDIT NOTIFICATION:	1/09/2015	METHOD OF NOTIFICATION:	Email
ATTENDEES AT OPENING MEETING:	N/A	PREPARED BY:	Ken Harriott
ATTENDEES AT CLOSING MEETING:	N/A	FOLLOW-UP DATE:	

**AUDIT OBJECTIVE:** QAAW will perform an audit to confirm TRST/TKIN is maintaining proper records per established procedure.

**AUDIT SCOPE:** QAAW will review recordkeeping to include Track gauge calibration, Inspection Daily Safety Sheet, Roadway Safety Compliance Checks and Safety Briefs records per TRST policy and SSPP section 13.3 and WMATA Policy Instruction (P/I) 1.15/0, Rule Book Management, section 5.08 Compliance and Roadway Protection Manual (RWPM). QAAW will interview TRST personnel, and confirm TKIN recordkeeping compliance.

**EXECUTIVE SUMMARY:** QAAW confirms that TKIN at F99 Branch Avenue yard has complied with required recordkeeping records for Track gauge, inspection Daily Safety sheet, Roadway Safety Briefs and Safety Compliance checks as required. TKIN had the minimum ninety days of Roadway Safety briefs and Safety Compliance Checks.

This Audit is Closed Upon Distribution.

**FINDINGS:** None

**OBSERVATIONS AND COMMENTS:**

1. QAAW inspected TKIN workers RWP identification cards and determined all workers RWP training was current.
2. QAAW notes: TRST has not approved procedures for performing Compliance Checks, noted on prior audits.

Compliance Check Forms-

1. TKIN Safety Compliance Check records were signed, scanned and kept on a computer database.
2. QAAW notes supervisors consistently performed Safety Compliance Checks.
3. Safety Compliance Check forms was consistently filled out properly.

RWP Safety Brief Forms & Daily Safety Sheets -

1. QAAW notes inspection Daily Safety brief and Roadway Safety Briefs were consistently performed by TKIN.
2. All forms inspected were properly filled out and signed by the RWIC and workers.
3. Daily Safety Briefs included rule of the day, specific RWP equipment safety rule and additional topics such as employee general safety awareness.

4. TRST records were organized and compiled in file folders.

Track Gauge Records-

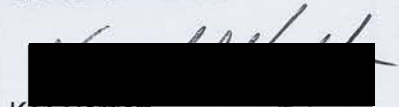
1. QAAW confirms TKIN consistently documented Track gauge calibration readings from 4/30/2014 to 1/19/2015.
2. Records were easily accessible and organized.

**AUDIT REPORT DISTRIBUTION:**

TRST: Kelly, D/ Hamilton, F/ Davis, C/ Richards, R

QAAW: DiNatale, M

**QAAW OFFICER:**

  
Ken Harriott

**QAAW MANAGER:**

  
John Panik

**MANAGEMENT REP:**

  
Desmond Lyles  
*(Signature implies only that this report has been received)*

**DATE:** 1/23/2015

**DATE:** 1-23-2015

**DATE:** 1-26-15

DRAFT