



SIGNAL DEPARTMENT TEST FORM C&S L30 TRACK CIRCUITS

Interlocking/Location: BROOK I (TOWN) Sub-Division: 02 Branch: ATLANTIC BR. Date Performing Test: 7/1/16

Table with columns: Track Circuit Name, Type of Relay, AC Buss (Voltage, Freq), (A) Relay Control (Volts, Amps), (A) Relay Local (Volts), (B) Polarity, (C) Shunt Feed, (C) Shunt Relay, (D) ASC (Amps). Rows include 2TR, 3TR, 4TR, 5TR, 6TR, 3BTR, 4BTR.

Table with columns: Test Equipment, Manufacturer, Model #, Serial #. Rows include Meter (FLUKE, AMPROBE AEMC) and Model # (#87, #514) with Serial # (SG 4001, SG 6017).

Comments:

REVIEWED AUG 11 2016 By: M.L. [Signature]

Test Performed By: CLIFFORD E. KAESS (Print) Signature: [Redacted] IBM: # [Redacted] Foreman's Name: Vito [Redacted] (Print) Signature: [Redacted] Date: 7-15-16



Long Island Rail Road

SIGNAL DEPARTMENT TEST FORM C&S L30 TRACK CIRCUITS

Interlocking/Location: BROOK I (TOWN) Sub-Division: 02 Branch: ATLANTIC BR Date Performing Test: 6/17/16

Track Circuit Name	Type of Relay	AC Buss		(A)	(A)	(B)	(C)	(C)	(D)
		Voltage	Freq	Relay Control	Relay Local	Polarity	Shunt Feed	Shunt Relay	ASC
2ATR	PV250	115V	100 μ	.70 Volts 1.0 Amps	115V Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
3ATR	PV250	115V	100 μ	.72 Volts 1.1 Amps	115V Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
4ATR	PV250	115V	100 μ	.68 Volts 1.0 Amps	115V Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
5ATR	PV250	115V	100 μ	.61 Volts 1.0 Amps	115V Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
/	/	/	/	/ Volts / Amps	/ Volts	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	/ Amps
/	/	/	/	/ Volts / Amps	/ Volts	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	/ Amps
/	/	/	/	/ Volts / Amps	/ Volts	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	/ Amps

Test Equipment	Manufacturer	Model #	Serial #
Meter	FLUKE	# 87	SV 4001
	AMPROBE AEMC	# 514	SG 6017

REVIEWED
AUG 11 2016
By: M.L. Ellentuck

Comments: _____

Test Performed By: CLIFFORD E. KAESS (Print) Signature: _____ IBM: # _____

Foreman's Name: Vito Fusia (Print) Signature: _____ Date: 7/15/16



Long Island Rail Road

Sheet: 3 of 3

SIGNAL DEPARTMENT TEST FORM C&S L30 TRACK CIRCUITS

Interlocking/Location: BROOK I (7E Lu) Sub-Division: 02 Branch: Atlantic Bn Date Performing Test: 6/16/16

Track Circuit Name	Type of Relay	AC Buss		(A)	(A)	(B)	(C)	(C)	(D)
		Voltage	Freq	Relay Control	Relay Local	Polarity	Shunt Feed	Shunt Relay	ASC
1TR	PV250	113.5	100 ω	.84 Volts 1.3 Amps	113 Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
1ABTR	PV250	↓	100 ω	.65 Volts .97 Amps	113 Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
1ATR	PV250		100 ω	.7 Volts .9 Amps	113 Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
2BTR	PV250		100 ω	.7 Volts .97 Amps	113 Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
2CTR	PV250		100 ω	.71 Volts 1.2 Amps	125 Volts	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	N/A Amps
/	/		/	/	Volts Amps	Volts	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
/	/	/	/	Volts Amps	Volts	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Amps

Test Equipment	Manufacturer	Model #	Serial #
Meter	FLUKE	87	544001
	AMPROBE AEMC	#514	SG 6017

REVIEWED
 AUG 11 2016
 By: M.L. Ellentuck

Comments: _____

Test Performed By: CLIFFORD E. KAESS (Print) Signature: _____ IBM: # _____

Foreman's Name: Vito [Signature] (Print) Signature: _____ Date: 7/15/16



SIGNAL DEPARTMENT TEST FORM C&S F32-231

TRACK CIRCUIT INTEGRITY

Interlocking/Location: Brook I

Branch: Atlantic

Subdivision: 02

Date: 10/31/16

Location:	Track Circuit Name	Rail Connectors	Track Wires	Rail Bonds	Other Bond wires	Impedance Bonds	Insulated Joints	Switch Insulation	Defects
Brook I ↓	1TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	2TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	3TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	4TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	5TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	6TR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[] Pass * Fail []	[] See Comments
	1ABTR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[✓] Pass * Fail []	[] See Comments
	2ATR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[✓] Pass * Fail []	[] See Comments
	3ATR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[✓] Pass * Fail []	[] See Comments
4ATR	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[✓] Pass Fail []	[] Pass Fail []	[✓] Pass * Fail []	[✓] Pass * Fail []	[] See Comments	

Enter Test Equipment information when electrically testing insulated joints:

Test Equipment	Manufacturer	Model	Serial #
Meter	Simpson	260	64

* If IJ or switch insulation electrical measurement is 20ma or more, note in comments section below and report to Signal Control & Section Foreman.

Comments:

Test Performed By: B. Johnson

(Print)

Signature: [Redacted]

NOV 18 2016

IBM: [Redacted]

Test Reviewed By: Larry D. Frantz

(Foreman - Print)

Signature: [Redacted]

REVIEW

Date: 11/09/16

SIGNAL DEPARTMENT TEST FORM C&S F32-231

TRACK CIRCUIT INTEGRITY

Interlocking/Location: Brook I

Branch: Atlantic

Subdivision: 02

Date: 10/31/16

Location:	Track Circuit Name	Rail Connectors	Track Wires	Rail Bonds	Other Bond wires	Impedance Bonds	Insulated Joints	Switch Insulation	Defects
Brook I ↓	SATR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input checked="" type="checkbox"/> Pass * Fail []	[] See Comments
	4BTR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input checked="" type="checkbox"/> Pass * Fail []	[] See Comments
	3BTR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input checked="" type="checkbox"/> Pass * Fail []	[] See Comments
	2BTR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input checked="" type="checkbox"/> Pass * Fail []	[] See Comments
	1ATR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input checked="" type="checkbox"/> Pass * Fail []	[] See Comments
	2CTR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input type="checkbox"/> Pass * Fail []	[] See Comments
	1BTR	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass Fail []	<input checked="" type="checkbox"/> Pass * Fail []	<input type="checkbox"/> Pass * Fail []	[] See Comments
			<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass * Fail []	<input type="checkbox"/> Pass * Fail []
		<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass * Fail []	<input type="checkbox"/> Pass * Fail []	[] See Comments
		<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass Fail []	<input type="checkbox"/> Pass * Fail []	<input type="checkbox"/> Pass * Fail []	[] See Comments

Enter Test Equipment information when electrically testing insulated joints:

Test Equipment	Manufacturer	Model	Serial #
Meter	<u>Simpson</u>	<u>260</u>	<u>64</u>

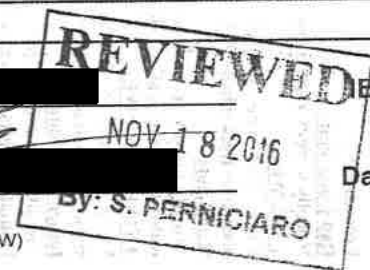
* If IJ or switch insulation electrical measurement is 20ma or more, note in comments section below and report to Signal Control & Section Foreman.

Comments:

Test Performed By: R. Johnson
 (Print)
 Test Reviewed By: Lloyd D. Fiedler
 (Foreman - Print)

Signature: [Redacted]

Signature: [Redacted]



IBM: [Redacted]

Date: 11/09/16

SIGNAL DEPARTMENT TEST FORM C&S F33-104
FOULING CIRCUITS ON SWITCHES

Interlocking/Section: Brook I

Branch: Atlantic

Subdivision: 02

Date: 11/4/16

Test Frequency: Test shall be performed when fouling wires are installed, modified or disarranged and periodically at least once every 90 days.

Reason for Test: Periodic Test New Installation Modification/Replacement

Location:	Switch Number	Track Circuit Name	Visual Inspection				Shunt Test	Defects
			Fouling Wires	Series Shunt	Track Shunt	Rail Bonds		
Brook I ↓	57	5ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	47W	4ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	47E	4BTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	33W	3ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	33E	3BTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	32	2ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	42S	3ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments
	23W	2ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	[] See Comments

Comments:

REVIEWED

Test Performed By: R. Johnson

Signature:

NOV 18 2016
Date: 11/4/16

Test Reviewed By: Levy D. Frodo
(Foreman - Print)

Signature:

By: **S. PERNICIARO**
Date: 11/09/16



SIGNAL DEPARTMENT TEST FORM C&S F33-104
FOULING CIRCUITS ON SWITCHES

Interlocking/Section: Brook I

Branch: Atlantic

Subdivision: 02

Date: 11/4/16

Test Frequency: Test shall be performed when fouling wires are installed, modified or disarranged and periodically at least once every 90 days.

Reason for Test: Periodic Test New Installation Modification/Replacement

Location:	Switch Number	Track Circuit Name	Visual Inspection				Shunt Test	Defects
			Fouling Wires	Series Shunt	Track Shunt	Rail Bonds		
Brook I ↓	23E	3BTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
	11	1ABTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
	12W	1ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
	12E	2BTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
	21W	2BTR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
	21E	1ATR	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
/			<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments
/			<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> See Comments

Comments:

REVIEWED

Test Performed By: R Johnson

Signature: [Redacted] 18 2016

Date: 11/4/16

Test Reviewed By: LeRoy J. Froehner
(Foreman - Print)

Signature: [Redacted]

Date: 11/09/16