



**HIGHWAY FACTORS AND RAILROAD GRADE CROSSING
GROUP CHAIRMAN'S FACTUAL REPORT**

**Highway and Rail Crossing Attachment – Buckingham Branch Railroad –
Grade Crossing Warning System, Insulation Resistance Test Records**

Crozet, Virginia

HWY18MH005

(6 pages)

**INSULATION RESISTANCE TEST
FRA RULES 236.108**



Railroad Signal International
5526 South 48th West Avenue - Tulsa, OK 74107
Phone: 918-234-1522 Fax: 918-234-1529

Railroad: BB RR

Subdivision: _____

DOT NO: 224 704E MP: 195.85

Location: LANES TOWN

Weather: (Circle one) Wet / Dry

Date: 6 17 12

Temperature: 80 °

Type of Conductor (Note 1)	Cable #	Circuit Name	Insulation Resistance												
			To: Gnd	To: 12	To: 11	To: 10	To: 9	To: 8	To: 7	To: 6	To: 5	To: 4	To: 3	To: 2	
C	1	BX220	∞											∞	∞
C	2	CX220	∞											∞	
C	3	NX110	∞												
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														

Note: All readings are in Megohms

Cable from: 3rd House to Meter Service

NOTE 1:
A - Aerial cable
B - Open Line wire
C - Underground cable
D - Case or Tower wiring

- This report should be retained until a new test has been made
- A conductor under 500K Ohms should be tested annually*
- A conductor under 200K Ohms should be repaired immediately or removed from service*

Tested by: [Redacted Signature]
Print _____ Sign _____

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* FRA Rule 234.267

**INSULATION RESISTANCE TEST
FRA RULES 236.108**



Railroad Signal International
5526 South 48th West Avenue - Tulsa, OK 74107
Phone: 918-234-1522 Fax: 918-234-1529

Railroad: BB RR

Subdivision: _____

DOT NO: 224 704E MP: 195.85

Location: LANES TOWN

Weather: (Circle one) Wet / Dry

Date: 6 / 7 / 12

Temperature: 80 °

Type of Conductor (Note 1)	Cable #	Circuit Name	Insulation Resistance												
			To: Gnd	To: 12	To: 11	To: 10	To: 9	To: 8	To: 7	To: 6	To: 5	To: 4	To: 3	To: 2	
C	1	AXN	∞									∞	∞	∞	∞
C	2	AXB	∞									∞	∞	∞	
C	3	ALE	∞									∞	∞		
C	4	ALE	∞									∞			
C	5	ABE	∞									∞			
	6														
	7														
	8														
	9														
	10														
	11														
	12														

Note: All readings are in Megaohms

Cable from: S^c6 House to A signal

NOTE 1:
A - Aerial cable
B - Open Line wire
C - Underground cable
D - Case or Tower wiring

- This report should be retained until a new test has been made
- A conductor under 500K Ohms should be tested annually*
- A conductor under 200K Ohms should be repaired immediately or removed from service *

Tested by: [Signature] TON JOHNSON
Print Sign

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* FRA Rule 234.267

**INSULATION RESISTANCE TEST
FRA RULES 236.108**



Railroad Signal International
5526 South 48th West Avenue - Tulsa, OK 74107
Phone: 918-234-1522 Fax: 918-234-1529

Railroad: BB RR

Subdivision: _____

DOT NO: 224 704 E MP: 195.85

Location: LANES TOWN

Weather: (Circle one) Wet / Dry

Date: 6 17 12

Temperature: 80 °

Type of Conductor (Note 1)	Cable #	Circuit Name	Insulation Resistance												
			To: Gnd	To: 12	To: 11	To: 10	To: 9	To: 8	To: 7	To: 6	To: 5	To: 4	To: 3	To: 2	
C	1	Bell B	∞							∞	∞	∞	∞	∞	∞
C	2	Bell N	∞							∞	∞	∞	∞	∞	
C	3	MTR op	∞							∞	∞	∞	∞		
C	4	BGP	∞							∞	∞	∞			
C	5	AGB	∞							∞	∞				
C	6	SP	∞							∞					
C	7	SP	∞												
	8														
	9														
	10														
	11														
	12														

Note: All readings are in Megaohms

Cable from: 7414 Haze to A SIGNAL

NOTE 1:
A - Aerial cable
B - Open Line wire
C - Underground cable
D - Case or Tower wiring

- This report should be retained until a new test has been made
- A conductor under 500K Ohms should be tested annually*
- A conductor under 200K Ohms should be repaired immediately or removed from service *

Tested by: [Signature] TOM JOHNSON
Print Sign

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**INSULATION RESISTANCE TEST
FRA RULES 236.108**



Railroad Signal International
5526 South 48th West Avenue - Tulsa, OK 74107
Phone: 918-234-1522 Fax: 918-234-1529

Railroad: BB RR

Subdivision: _____

DOT NO: 244 704E MP: 195.85

Location: Lanes Town

Weather: (Circle one) Wet / Dry

Date: 6 17 12

Temperature: 80 °


Type of Conductor (Note 1)	Cable #	Circuit Name	Insulation Resistance												
			To: Gnd	To: 12	To: 11	To: 10	To: 9	To: 8	To: 7	To: 6	To: 5	To: 4	To: 3	To: 2	
C	1	BXN	∞									∞	∞	∞	∞
C	2	BXB	∞									∞	∞	∞	
C	3	BLE	∞									∞	∞		
C	4	BCE	∞									∞			
C	5	BRE	∞									∞			
	6														
	7														
	8														
	9														
	10														
	11														
	12														

Note: All readings are in Megaohms

Cable from: 5-6 HOSE to B SIGNAL

NOTE 1:
A - Aerial cable
B - Open Line wire
C - Underground cable
D - Case or Tower wiring

- This report should be retained until a new test has been made
- A conductor under 500K Ohms should be tested annually*
- A conductor under 200K Ohms should be repaired immediately or removed from service *

Tested by: Tom Johnson 
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**INSULATION RESISTANCE TEST
FRA RULES 236.108**



Railroad Signal International
5526 South 48th West Avenue - Tulsa, OK 74107
Phone: 918-234-1522 Fax: 918-234-1529

Railroad: BB RR

Subdivision: _____

DOT NO: 244 7045 MP: 195.85

Location: LANES TOWN

Weather: (Circle one) Wet / Dry

Date: 6 17 12

Temperature: 80 °

Type of Conductor (Note 1)	Cable #	Circuit Name	Insulation Resistance												
			To: Gnd	To: 12	To: 11	To: 10	To: 9	To: 8	To: 7	To: 6	To: 5	To: 4	To: 3	To: 2	
C	1	BBell	∞							∞	∞	∞	∞	∞	∞
C	2	NBell	∞							∞	∞	∞	∞	∞	∞
C	3	Ntrup	∞							∞	∞	∞	∞		
C	4	BGP	∞							∞	∞	∞			
C	5	SP	∞							∞	∞				
C	6	SP	∞							∞					
C	7	SP	∞												
	8														
	9														
	10														
	11														
	12														

Note: All readings are in Megaohms

Cable from: 744 House to B signal

NOTE 1:
A - Aerial cable
B - Open Line wire
C - Underground cable
D - Case or Tower wiring

- This report should be retained until a new test has been made
- A conductor under 500K Ohms should be tested annually*
- A conductor under 200K Ohms should be repaired immediately or removed from service *

Tested by: TOM JOHNSON ~~_____~~
Print Sign

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