



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6ME
Subdivision: BLACK HILLS	Test Date: 05/10/2007
Milepost (with Line Segment): 4 476.40 - 476.40	State: SD
Location / Highway Name: City Track	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	2	6	CASE	SWCC	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6ME
Subdivision: BLACK HILLS	Test Date: 11/19/2010
Milepost (with Line Segment): 4 476.40 - 476.40	State: SD
Location / Highway Name: City Track	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name	Relay Name	Serial Number	Condition Left	
E	1-TNWPR	47281P110	C	
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts	Date Tested
B1 (56001-921 GR.9 / A62-120)		2	4FB-2F-1B	11/19/2010
Neutral Dropaway 0.0800 A DC		Neutral Pickup 0.1610 A DC	Neutral Working 0.1610 A DC	



Inspection Report Relay Tests & Inspections

Division: POWDER RIVER

Subdivision: BLACK HILLS

Milepost: 4 476.40 - 476.40

Location: City Track

County: FALL RIVER

Employee's Name: Wayne Strozzi

Asset ID: BABK6ME

Test Date: 10/30/2014

State: SD

PARS Number: SINS0222

Conditions Key

C = Test completed, condition left in compliance.

R = Replacements made (identified in associated comments), test completed, and condition left in compliance.

V = Visual inspection completed, condition left in compliance.

NT = The equipment was not tested in this inspection

N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Tested	Condition	
E	1-TNWPR	10/30/2014	C	
Relay B1 (56001-921 GR.9 / A62-120)	Serial No.	Type (Drawing/Catalog No.)	Resistance	Contacts
	47281P110	B1 (56001-921 GR.9 / A62-120)	2	4FB-2F-1B
	Neutral Dropaway	Neutral Pickup	Neutral Working	
	0.0670 A DC	0.1540 A DC	0.1540	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 02/09/2007
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	02/09/2007	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 02/05/2009
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	02/05/2009	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 09/01/2010
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Kevin Walters (kwalters)	PARS Number: SETX0232

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	09/01/2010	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 08/09/2012
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
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- CO = Compliant
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- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	08/09/2012	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 07/10/2014
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

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- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
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- NT = The equipment was not tested in this inspection.
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- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	07/11/2014	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 06/15/2016
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: David Thieme (dthieme)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W MAIN 476 50(el.lk)	06/15/2016	N	N	C	N	N	N



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 05/10/2007
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
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Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	CASE	J. BOX	C



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 12/18/2013
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

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Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	CASE	J. BOX	NT
Underground	7	14	HOUSE	E.L CASE	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 11/19/2010
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance.
R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
V = Visual inspection completed, condition left in compliance.
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N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name E	Relay Name O-TR	Serial Number I78-G44	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0050 A DC		Neutral Pickup 0.0100 A DC		Neutral Working 0.0100 A DC
Shelf Name E	Relay Name NWLPR	Serial Number I78-G33	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0100 A DC		Neutral Working 0.0100 A DC
Shelf Name E	Relay Name 2-TPR	Serial Number I78-F44	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC
Shelf Name E	Relay Name TER	Serial Number 60742S001	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-100 GR.1 / A62-627)		Resistance (Ohms) 500	Contacts 2FB-3F-2B	Date Tested 11/19/2010
Shelf Name EL	Relay Name WL	Serial Number D78-007	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 11/19/2010
Neutral Dropaway 0.0030 A DC		Neutral Pickup 0.0260 A DC		Neutral Working 0.0260 A DC



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6PT
Subdivision: BLACK HILLS	Test Date: 11/15/2013
Milepost (with Line Segment): 4 476.50 - 476.50	State: SD
Location / Highway Name: West Main ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name E	Relay Name O-TR	Serial Number I78-G44	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested Not Tested
Shelf Name E	Relay Name NWLPR	Serial Number I78-G33	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested Not Tested
Shelf Name E	Relay Name 2-TPR	Serial Number I78-F44	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested Not Tested
Shelf Name E	Relay Name TER	Serial Number 60742S001	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) B2 (50800-100 GR.1 / A62-627)		Resistance (Ohms) 500	Contacts 2FB-3F-2B	Date Tested Not Tested
Shelf Name EL	Relay Name WL	Serial Number 700620	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 11/15/2013
Neutral Dropaway 0.0039 A DC		Neutral Pickup 0.0249 A DC		Neutral Working 0.0249 A DC



Inspection Report

Relay Tests & Inspections

Division: POWDER RIVER
Subdivision: BLACK HILLS
Milepost: 4 476.50 - 476.50
Location: West Main ESL
County: FALL RIVER
Employee's Name: Wayne Strozzi

Asset ID: BABK6PT
Test Date: 10/30/2014
State: SD
PARS Number: SINS0222

Conditions Key

- C = Test completed, condition left in compliance.
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Relay Tests (FRA 234.263, 236.106)					
Shelf Name E	Relay Name O-TR	Tested 10/30/2014	Condition C		
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. I78-G44	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B	
	Neutral Dropaway 0.0050 A DC		Neutral Pickup 0.0090 A DC	Neutral Working 0.0090	
Shelf Name E	Relay Name NWLPR	Tested 10/30/2014	Condition C		
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. I78-G33	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B	
	Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0100 A DC	Neutral Working 0.0100	
Shelf Name E	Relay Name 2-TPR	Tested 10/30/2014	Condition C		
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. I78-F44	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B	
	Neutral Dropaway 0.0050 A DC		Neutral Pickup 0.0100 A DC	Neutral Working 0.0100	
Shelf Name E	Relay Name TER	Tested 10/30/2014	Condition V		
Relay B2 (50800-100 GR.1 / A62-627)	Serial No. 60742S001	Type (Drawing/Catalog No.) B2 (50800-100 GR.1 / A62-627)	Resistance 500	Contacts 2FB-3F-2B	
Shelf Name EL	Relay Name WL	Tested 10/30/2014	Condition C		
Relay 9B	Serial No. 700620	Type (Drawing/Catalog No.) 9B	Resistance 200	Contacts	
	Neutral Dropaway 0.0030 A DC		Neutral Pickup 0.0240 A DC	Neutral Working 0.0240	



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: 064884L
Subdivision: BLACK HILLS	Test Date: 05/10/2007
Milepost (with Line Segment): 4 476.51 - 476.51	State: SD
Location / Highway Name: US HWY 18	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	2	9	HOUSE	CASE # MP 476.5	C
Underground	5	9	HOUSE	SIG#1	C
Underground	5	9	HOUSE	SIG.#1	C
Underground	5	9	HOUSE	SIG.#2	C
Underground	5	9	HOUSE	SIG.#2	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064884L
Subdivision: BLACK HILLS	Test Date: 04/11/2007
Milepost (with Line Segment): 4 476.51 - 476.51	State: SD
Location / Highway Name: US HWY 18	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name DD	Relay Name POR	Serial Number L765814	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 04/11/2007
Neutral Dropaway 7.3000 V AC		Neutral Pickup 9.7000 V AC		Neutral Working 9.7000 V AC
Shelf Name DD	Relay Name EOR	Serial Number B1395313	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB	Date Tested Not Tested
Shelf Name DD	Relay Name XR	Serial Number L796998	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name DD	Relay Name XRP	Serial Number L831893	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150HD (322505-001)		Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested
Shelf Name DC	Relay Name XGR	Serial Number L892302	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB	Date Tested Not Tested
Shelf Name DB	Relay Name 2-TR	Serial Number L918061	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested Not Tested
Shelf Name GATE # 1	Relay Name 1 MCR	Serial Number 6080	Condition Left C	
Relay Type (Drawing and/or Catalog Number) WCH (38-0050-200)		Resistance (Ohms) 1000	Contacts 2FB HD	Date Tested 04/11/2007
Neutral Dropaway 0.0031 A DC		Neutral Pickup 0.0060 A DC		Neutral Working 0.0060 A DC
Shelf Name GATE # 2	Relay Name 2 MCR	Serial Number 6078	Condition Left C	
Relay Type (Drawing and/or Catalog Number) WCH (38-0050-200)		Resistance (Ohms) 1000	Contacts 2FB HD	Date Tested 04/11/2007
Neutral Dropaway 0.0034 A DC		Neutral Pickup 0.0062 A DC		Neutral Working 0.0062 A DC



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064884L
Subdivision: BLACK HILLS	Test Date: 12/02/2010
Milepost (with Line Segment): 4 476.51 - 476.51	State: SD
Location / Highway Name: US HWY 18	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Serial Number	Condition Left
DD	POR	L	C
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Neutral Dropaway 5.9200 V AC		Neutral Working 9.8400 V AC	
Shelf Name DD	Relay Name EOR	Serial Number B1395313	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB
Neutral Dropaway 0.0290 A DC		Neutral Working 0.0560 A DC	
Shelf Name DD	Relay Name XR	Serial Number L796998	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Neutral Dropaway 0.0070 A DC		Neutral Working 0.0110 A DC	
Shelf Name DD	Relay Name XRP	Serial Number L831893	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150HD (322505-001)		Resistance (Ohms) 400	Contacts 6FB
Neutral Dropaway 0.0070 A DC		Neutral Working 0.0140 A DC	
Shelf Name DC	Relay Name XGR	Serial Number L892302	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)		Resistance (Ohms) 225	Contacts 6FB
Neutral Dropaway 0.0060 A DC		Neutral Working 0.0230 A DC	
Shelf Name DB	Relay Name 2-TR	Serial Number L918061	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Neutral Dropaway 0.0590 A DC		Neutral Working 0.1260 A DC	



Inspection Report

Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064884L
Subdivision: BLACK HILLS	Test Date: 10/30/2014
Milepost: 4 476.51 - 476.51	State: SD
Location: US HWY 18	
County: FALL RIVER	
Employee's Name: Wayne Strozzi	PARS Number: SINS0222

Conditions Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- NT = The equipment was not tested in this inspection
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)					
Shelf Name DD	Relay Name EOR	Tested 10/30/2014	Condition C		
Relay PN-150F (N322530-701)	Serial No. B1395313	Type (Drawing/Catalog No.) PN-150F (N322530-701)	Resistance 60	Contacts 6FB	
	Neutral Dropaway 0.0280 A DC		Neutral Pickup 0.0580 A DC	Neutral Working 0.0580	
Shelf Name DD	Relay Name XR	Tested 10/30/2014	Condition C		
Relay PN-150B (N322500-701 / 4A1)	Serial No. L796998	Type (Drawing/Catalog No.) PN-150B (N322500-701 / 4A1)	Resistance 400	Contacts 6FB	
	Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC	Neutral Working 0.0110	
Shelf Name DD	Relay Name XRP	Tested 10/30/2014	Condition C		
Relay PN-150HD (322505-001)	Serial No. L831893	Type (Drawing/Catalog No.) PN-150HD (322505-001)	Resistance 400	Contacts 6FB	
	Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0120 A DC	Neutral Working 0.0120	
Shelf Name DC	Relay Name XGR	Tested 10/30/2014	Condition C		
Relay PN-259BSR (322562-001)	Serial No. L892302	Type (Drawing/Catalog No.) PN-259BSR (322562-001)	Resistance 225	Contacts 6FB	
	Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0220 A DC	Neutral Working 0.0220	
Shelf Name DB	Relay Name 2-TR	Tested 10/30/2014	Condition C		
Relay PN-150BTR (322501-702)	Serial No. L918061	Type (Drawing/Catalog No.) PN-150BTR (322501-702)	Resistance 4	Contacts 6F-6B	
	Neutral Dropaway 0.0590 A DC		Neutral Pickup 0.1340 A DC	Neutral Working 0.1340	



Inspection Report Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: 064884L
Subdivision: BLACK HILLS	Test Date: 11/12/2014
Milepost: 4 476.51 - 476.51	State: SD
Location: US HWY 18	
County: FALL RIVER	
Employee's Name: Wayne Strozzi	PARS Number: SINS0222

Conditions Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
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Relay Tests (FRA 234.263, 236.106)					
Shelf Name DD	Relay Name EOR	Tested 11/12/2014	Condition R Comments: contacts burnt		
Replaced Relay PN-150F (N322530-701)	Serial No. B1395313	Type (Drawing/Catalog No.) PN-150F (N322530-701)		Resistance 60	Contacts 6FB
	Neutral Dropaway 0.0270 A DC		Neutral Pickup 0.0550 A DC	Neutral Working 0.0550	
New Relay PN-150F (N322530-701)	Serial No. B2696260	Type (Drawing/Catalog No.) PN-150F (N322530-701)		Resistance 60	Contacts 6FB
	Neutral Dropaway 0.0270 A DC		Neutral Pickup 0.0550 A DC	Neutral Working 0.0550	
Shelf Name DD	Relay Name XR	Tested Not Tested	Condition NT		
Relay PN-150B (N322500-701 / 4A1)	Serial No. L796998	Type (Drawing/Catalog No.) PN-150B (N322500-701 / 4A1)		Resistance 400	Contacts 6FB
Shelf Name DD	Relay Name XRP	Tested Not Tested	Condition NT		
Relay PN-150HD (322505-001)	Serial No. L831893	Type (Drawing/Catalog No.) PN-150HD (322505-001)		Resistance 400	Contacts 6FB
Shelf Name DC	Relay Name XGR	Tested Not Tested	Condition NT		
Relay PN-259BSR (322562-001)	Serial No. L892302	Type (Drawing/Catalog No.) PN-259BSR (322562-001)		Resistance 225	Contacts 6FB
Shelf Name DB	Relay Name 2-TR	Tested Not Tested	Condition NT		
Relay PN-150BTR (322501-702)	Serial No. L918061	Type (Drawing/Catalog No.) PN-150BTR (322501-702)		Resistance 4	Contacts 6F-6B



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 02/09/2007
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
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- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	02/09/2007	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 02/05/2009
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
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- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	02/05/2009	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 09/01/2010
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Kevin Walters (kwalters)	PARS Number: SETX0232

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
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- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	09/01/2010	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 08/09/2012
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
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- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
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- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	08/09/2012	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 07/10/2014
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	07/11/2014	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 06/15/2016
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: David Thieme (dthieme)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
EAST DEADWOOD(el.lk)	06/15/2016	N	N	C	N	N	N



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 05/10/2007
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	CASE	J. BOX	C



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 10/01/2014
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Dan Leisy (dleisy)	PARS Number: SSCX0131-9

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	CASE	J. BOX	NT
Trunking	7	12	J. BOX	E. LOCK	C
Trunking	5	10	J. BOX	SWCC	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 11/19/2010
Milepost (with Line Segment): 4 476.60 - 476.60	State: SD
Location / Highway Name: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name EL	Relay Name WL	Serial Number K76013	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 200	Contacts	Date Tested 11/19/2010
Neutral Dropaway 0.0030 A DC		Neutral Pickup 0.0260 A DC		Neutral Working 0.0260 A DC
Shelf Name EL	Relay Name TER	Serial Number 16686M063	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-100 GR.1 / A62-627)		Resistance (Ohms) 500	Contacts 2FB-3F-2B	Date Tested 11/19/2010
Shelf Name E	Relay Name 1-TR	Serial Number 03349929	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0870 A DC		Neutral Pickup 0.1670 A DC		Neutral Working 0.1670 A DC
Shelf Name E	Relay Name NWLPR	Serial Number H76-01K	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0090 A DC		Neutral Working 0.0090 A DC
Shelf Name E	Relay Name O-TR	Serial Number H78-K38	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0100 A DC		Neutral Working 0.0100 A DC



Inspection Report

Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 09/29/2014
Milepost: 4 476.60 - 476.60	State: SD
Location: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi	PARS Number: SINS0222

Conditions Key

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Relay Tests (FRA 234.263, 236.106)				
Shelf Name EL	Relay Name WL	Tested 09/29/2014	Condition C	
Relay 9B	Serial No. D48002	Type (Drawing/Catalog No.) 9B	Resistance 200	Contacts
	Neutral Dropaway 0.0040 A DC		Neutral Pickup 0.0240 A DC	Neutral Working 0.0240
Shelf Name EL	Relay Name TER	Tested Not Tested	Condition NT	
Relay B2 (50800-100 GR.1 / A62-627)	Serial No. 16686M063	Type (Drawing/Catalog No.) B2 (50800-100 GR.1 / A62-627)	Resistance 500	Contacts 2FB-3F-2B
Shelf Name E	Relay Name 1-TR	Tested Not Tested	Condition NT	
Relay ST (400510 / 400510)	Serial No. 03349929	Type (Drawing/Catalog No.) ST (400510 / 400510)	Resistance 2	Contacts 4FB-2F-1B
Shelf Name E	Relay Name NWLPR	Tested Not Tested	Condition NT	
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. H76-01K	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B
Shelf Name E	Relay Name O-TR	Tested Not Tested	Condition NT	
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. H78-K38	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B



Inspection Report

Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6SG
Subdivision: BLACK HILLS	Test Date: 10/30/2014
Milepost: 4 476.60 - 476.60	State: SD
Location: East Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi	PARS Number: SINS0222

Conditions Key

- C = Test completed, condition left in compliance.
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- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Tested	Condition	
EL	TER	10/30/2014	V	
Relay B2 (50800-100 GR.1 / A62-627)	Serial No. 16686M063	Type (Drawing/Catalog No.) B2 (50800-100 GR.1 / A62-627)	Resistance 500	Contacts 2FB-3F-2B
Shelf Name	Relay Name	Tested	Condition	
EL	WL	10/30/2014	C	
Relay 9B	Serial No. K76013	Type (Drawing/Catalog No.) 9B	Resistance 200	Contacts
	Neutral Dropaway 0.0040 A DC	Neutral Pickup 0.0230 A DC	Neutral Working 0.0230	
Shelf Name	Relay Name	Tested	Condition	
E	1-TR	10/30/2014	C	
Relay ST (400510 / 400510)	Serial No. 03349929	Type (Drawing/Catalog No.) ST (400510 / 400510)	Resistance 2	Contacts 4FB-2F-1B
	Neutral Dropaway 0.0820 A DC	Neutral Pickup 0.1660 A DC	Neutral Working 0.1660	
Shelf Name	Relay Name	Tested	Condition	
E	NWLPR	10/30/2014	C	
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. H76-01K	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B
	Neutral Dropaway 0.0060 A DC	Neutral Pickup 0.0080 A DC	Neutral Working 0.0080	
Shelf Name	Relay Name	Tested	Condition	
E	O-TR	10/30/2014	C	
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. H78-K38	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500	Contacts 4FB-2F-1B
	Neutral Dropaway 0.0060 A DC	Neutral Pickup 0.0090 A DC	Neutral Working 0.0090	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 02/09/2007
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	02/09/2007	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 02/05/2009
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	02/05/2009	N	C	N	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 09/01/2010
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Kevin Walters (kwalters)	PARS Number: SETX0232

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	09/01/2010	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 08/09/2012
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
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- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	08/09/2012	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 07/10/2014
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	07/11/2014	N	N	C	N	N	N



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 06/15/2016
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: David Thieme (dthieme)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
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- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
W DEADWOOD(el.lk)	06/15/2016	N	N	C	N	N	N



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 05/10/2007
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	7	14	CASE	HOUSE@ CP 477.2	C
Underground	7	14	CASE	J. BOX	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 11/19/2010
Milepost (with Line Segment): 4 476.90 - 476.90	State: SD
Location / Highway Name: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance.
R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
V = Visual inspection completed, condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name E LOCK	Relay Name WL	Serial Number 2415	Condition Left C	
Relay Type (Drawing and/or Catalog Number) 9B		Resistance (Ohms) 306	Contacts	Date Tested 11/19/2010
Neutral Dropaway 0.0040 A DC		Neutral Pickup 0.0230 A DC		Neutral Working 0.0230 A DC
Shelf Name E	Relay Name 1-TR	Serial Number 0334915	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0770 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name E	Relay Name NWLPR	Serial Number K76-U47	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0100 A DC		Neutral Working 0.0100 A DC
Shelf Name E	Relay Name O-TR	Serial Number K76-U18	Condition Left C	
Relay Type (Drawing and/or Catalog Number) B1 (56001-783 GR.2 / A62-277)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 11/19/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC
Shelf Name E	Relay Name TER	Serial Number 30177N047	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-100 GR.1 / A62-627)		Resistance (Ohms) 500	Contacts 2FB-3F-2B	Date Tested 11/19/2010



Inspection Report

Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6UV
Subdivision: BLACK HILLS	Test Date: 10/30/2014
Milepost: 4 476.90 - 476.90	State: SD
Location: West Deadwood ESL	
County: FALL RIVER	
Employee's Name: Wayne Strozzi	PARS Number: SINS0222

Conditions Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Tested	Condition
E LOCK	WL	10/30/2014	C
Relay 9B	Serial No. 2415	Type (Drawing/Catalog No.) 9B	Resistance 306
	Neutral Dropaway 0.0040 A DC		Neutral Pickup 0.0230 A DC
			Neutral Working 0.0230
Shelf Name	Relay Name	Tested	Condition
E	1-TR	10/30/2014	C
Relay ST (400510 / 400510)	Serial No. 0334915	Type (Drawing/Catalog No.) ST (400510 / 400510)	Resistance 2
	Neutral Dropaway 0.0740 A DC		Neutral Pickup 0.1500 A DC
			Neutral Working 0.1500
Shelf Name	Relay Name	Tested	Condition
E	NWLPR	10/30/2014	C
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. K76-U47	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500
	Neutral Dropaway 0.0050 A DC		Neutral Pickup 0.0100 A DC
			Neutral Working 0.0100
Shelf Name	Relay Name	Tested	Condition
E	O-TR	10/30/2014	C
Relay B1 (56001-783 GR.2 / A62-277)	Serial No. K76-U18	Type (Drawing/Catalog No.) B1 (56001-783 GR.2 / A62-277)	Resistance 500
	Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0100 A DC
			Neutral Working 0.0100
Shelf Name	Relay Name	Tested	Condition
E	TER	10/30/2014	V
Relay B2 (50800-100 GR.1 / A62-627)	Serial No. 30177N047	Type (Drawing/Catalog No.) B2 (50800-100 GR.1 / A62-627)	Resistance 500
			Contacts 2FB-3F-2B



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDBFL
Subdivision: BLACK HILLS	Test Date: 08/31/2010
Milepost (with Line Segment): 4 477.05 - 477.05	State: SD
Location / Highway Name: intermediate 477	
County: FALL RIVER	
Employee's Name: Bryant Quick (bquick)	PARS Number: SSCX0131-2

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	12	14	HOUSE	CASE	C
Underground	5	9	HOUSE	J. BOX 2E	C
Underground	5	9	HOUSE	J. BOX 2WA	C
Underground	5	9	HOUSE	J. BOX 2WB	C
Underground	5	9	HSE	J. BOX 1E	C
Underground	5	9	HSE	J. BOX 1WA	C
Underground	5	9	HSE	J. BOX 1WB	C
Trunking	5	10	J. BOX	SIG. 1WA	C
Trunking	5	10	J. BOX	SIG.1E	C
Trunking	5	10	J. BOX	SIG.1WB	C
Trunking	5	10	J. BOX	SIG.2E	C
Trunking	5	10	J. BOX	SIG.2WA	C
Trunking	5	10	J. BOX	SIG.2WB	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDBFL
Subdivision: BLACK HILLS	Test Date: 08/31/2010
Milepost (with Line Segment): 4 477.05 - 477.05	State: SD
Location / Highway Name: intermediate 477	
County: FALL RIVER	
Employee's Name: Bryant Quick (bquick)	PARS Number: SSCX0131-2

Conditions Master Key

C = Test completed, condition left in compliance.
R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
V = Visual inspection completed, condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1A	Relay Name 476.56 NWLP	Serial Number 1008512	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 08/31/2010
Neutral Dropaway 0.0057 A DC		Neutral Pickup 0.0121 A DC		Neutral Working 0.0121 A DC
Shelf Name 1A	Relay Name 476.60 NWLP	Serial Number 1008532	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 08/31/2010
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0121 A DC		Neutral Working 0.0121 A DC
Shelf Name 1A	Relay Name 476.90 NWLP	Serial Number 1008530	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 08/31/2010
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0121 A DC		Neutral Working 0.0121 A DC



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDBFL
Subdivision: BLACK HILLS	Test Date: 06/09/2014
Milepost (with Line Segment): 4 477.05 - 477.05	State: SD
Location / Highway Name: intermediate 477	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

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- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
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- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1A	Relay Name 476.56 NWLP	Serial Number 1008512	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 06/09/2014
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC
Shelf Name 1A	Relay Name 476.60 NWLP	Serial Number 1008532	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 06/09/2014
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC
Shelf Name 1A	Relay Name 476.90 NWLP	Serial Number 1008530	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400004 / 400004)		Resistance (Ohms) 500	Contacts 4FB-2F-1B	Date Tested 06/09/2014
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC		Neutral Working 0.0110 A DC



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 02/09/2007
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
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- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1E(sig)-1.N(sw)-1W(sig)	02/09/2007	N	C	N	C	C	N	
1W(sig)-1.N(sw)-1E(sig)	02/09/2007	N	C	N	C	C	N	
1W(sig)-1.R(sw)-2E(sig)	02/09/2007	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2W(sig)	02/09/2007	N	C	N	C	C	N	
2E(sig)-1.R(sw)-1W(sig)	02/09/2007	N	C	N	C	C	N	
2W(sig)-1.N(sw)-2E(sig)	02/09/2007	N	C	N	C	C	N	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 02/05/2009
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
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- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1E(sig)-1.N(sw)-1W(sig)	02/05/2009	N	C	N	C	C	N	
1W(sig)-1.N(sw)-1E(sig)	02/05/2009	N	C	N	C	C	N	
1W(sig)-1.R(sw)-2E(sig)	02/05/2009	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2W(sig)	02/05/2009	N	C	N	C	C	N	
2E(sig)-1.R(sw)-1W(sig)	02/05/2009	N	C	N	C	C	N	
2W(sig)-1.N(sw)-2E(sig)	02/05/2009	N	C	N	C	C	N	



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 05/17/2007
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	12	14	HOUSE	2A SWITCH	C
Underground	3	6	HOUSE	2A SWITCH	C
Underground	2	6	HOUSE	2ASWITCH	C
Underground	12	14	HOUSE	2B SWITCH	C
Underground	2	6	HOUSE	2B SWITCH	C
Underground	3	6	HOUSE	2BSWITCH	C
Underground	5	9	HOUSE	SIG. 1E	C
Underground	5	9	HOUSE	SIG. 1WA	C
Underground	5	9	HOUSE	SIG. 1WB	C
Underground	5	9	HOUSE	SIG. 2EA	C
Underground	5	9	HOUSE	SIG. 2EB	C
Underground	5	9	HOUSE	SIG. 2WA	C
Underground	5	9	HOUSE	SIG. 2WB	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 08/30/2007
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1OSTR-THR	L891452	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PT-150 (322518-001)		10 Volt	1F-1CB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	2E BKR	L906205	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1E TR	L854372	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	2E TR	L782294	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OS TR	L917996	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150BTR (322501-702)		4	6F-6B
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OSTPR	L903056	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-250B (N322554-701 / 4A1)		250 (500/500 parallel)	6FB-6F-3B
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1E BKR	L7934446	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OSTPPR	L903379	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-250B (N322554-701 / 4A1)		250 (500/500 parallel)	6FB-6F-3B
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1EB NWLPR	L793737	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1EA NWLPR	L793232	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1W TR	L753306	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	2W TR	L629997	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested Not Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	2 OSTR	L831041	NT
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150BTR (322501-702)		4	6F-6B
Date Tested Not Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 F	Relay Name 2 OSTPR	Serial Number L903398	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2 OSTPPR	Serial Number L903083	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2-OSTP-THR	Serial Number L891453	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-001)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB
Date Tested Not Tested			
Shelf Name R2 E	Relay Name LR	Serial Number L916579	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 E	Relay Name 1LSR	Serial Number L906230	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 E	Relay Name 1E ASR	Serial Number L903374	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 E	Relay Name 1W ASR	Serial Number L903365	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 E	Relay Name 1 ASPR	Serial Number L802338	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 E	Relay Name POR	Serial Number L784837	Condition Left R relay out of spect Old Serial Number: L867586
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested 08/30/2007			
Neutral Dropaway 6.1000 V AC		Neutral Pickup 9.1100 V AC	Neutral Working 9.9000 V AC
Shelf Name R2 E	Relay Name 1-TER	Serial Number L893234	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F
Date Tested Not Tested			
Shelf Name R2 D	Relay Name WLR	Serial Number L854362	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 D	Relay Name 2E ASR	Serial Number L903413	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 D	Relay Name 2W ASR	Serial Number L907412	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 D	Relay Name 2 ASPR	Serial Number L916489	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 D	Relay Name 1EC NWLPR	Serial Number L920564	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 D	Relay Name 2-TER	Serial Number L893233	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1A WR	Serial Number L884678	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested Not Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 C	Relay Name 1A OR	Serial Number L919351	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1A WRPR	Serial Number L897087	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (N322517-001 / 4A5)		Resistance (Ohms) 240	Contacts 2F Mag. HD
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1B WR	Serial Number L884683	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1B OR	Serial Number L914375	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1B WRPR	Serial Number L897139	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (N322517-001 / 4A5)		Resistance (Ohms) 240	Contacts 2F Mag. HD
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1 NWCR	Serial Number L903388	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 C	Relay Name 1 RWCR	Serial Number L895044	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 B	Relay Name 1E NWLPR	Serial Number L908250	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 B	Relay Name 1NW CPR	Serial Number L751643	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 1E HR	Serial Number L803185	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 1E HPR	Serial Number L906101	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 1E DR	Serial Number L906135	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 1E FYR	Serial Number L906132	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 1E PCR	Serial Number L767097	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 2E HR	Serial Number L906164	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 2E HPR	Serial Number L906195	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 2E DR	Serial Number L906102	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R1 F	Relay Name 2E FYR	Serial Number L906198	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 F	Relay Name 2E PCR	Serial Number L892818	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W HR	Serial Number L802065	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W HPR	Serial Number L871639	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W DR	Serial Number L886244	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W FYR	Serial Number L906126	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W PCR	Serial Number L817321	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W HR	Serial Number L761604	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W HPR	Serial Number L906131	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W DR	Serial Number L906087	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W FYR	Serial Number L882608	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W PCR	Serial Number L892789	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EB LOR	Serial Number L900904	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1EA LOR	Serial Number L826670	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1W YYR	Serial Number L823945	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EA HGR	Serial Number L803239	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EB HGR	Serial Number L906149	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EA LOR	Serial Number L901998	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1EA HGR	Serial Number L890711	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 C	Relay Name 1WA HGR	Serial Number L881207	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 1WB HGR	Serial Number L887994	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 2WA HGR	Serial Number L906146	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 2W YZR	Serial Number L840895	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 2WB LOR	Serial Number L808947	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 1WA LOR	Serial Number L902014	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 1WB LOR	Serial Number L902010	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB Date Tested Not Tested
Shelf Name R1 C	Relay Name 2WA LOR	Serial Number L900906	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB Date Tested Not Tested
Shelf Name R1 B	Relay Name 2 EOR	Serial Number B5093065	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB Date Tested Not Tested
Shelf Name R1 B	Relay Name SMKR	Serial Number L793379	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 B	Relay Name 1 EOR	Serial Number B1395301	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB Date Tested Not Tested
Shelf Name R1 B	Relay Name 1WA LOPR	Serial Number L803160	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 12/12/2008
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1OSTR-THR	L891452	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PT-150 (322518-001)		10 Volt	1F-1CB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	2E BKR	L906205	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1E TR	L854372	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	2E TR	L782294	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OS TR	L917996	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150BTR (322501-702)		4	6F-6B
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OSTPR	L903056	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-250B (N322554-701 / 4A1)		250 (500/500 parallel)	6FB-6F-3B
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1E BKR	L7934446	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2G	1 OSTPPR	L903379	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-250B (N322554-701 / 4A1)		250 (500/500 parallel)	6FB-6F-3B
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1EB NWLPR	L793737	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1EA NWLPR	L793232	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	1W TR	L753306	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	2W TR	L629997	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150B (N322500-701 / 4A1)		400	6FB
Date Tested			
Shelf Name	Relay Name	Serial Number	Condition Left
R2 F	2 OSTR	L831041	N
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts
PN-150BTR (322501-702)		4	6F-6B
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 F	Relay Name 2 OSTPR	Serial Number L903398	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 F	Relay Name 2 OSTPPR	Serial Number L903083	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 F	Relay Name 2-OSTP-THR	Serial Number L891453	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-001)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB	Date Tested
Shelf Name R2 E	Relay Name LR	Serial Number L916579	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 E	Relay Name 1LSR	Serial Number L906230	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 E	Relay Name 1E ASR	Serial Number L903374	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 E	Relay Name 1W ASR	Serial Number L903365	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 E	Relay Name 1 ASPR	Serial Number L802338	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 E	Relay Name POR	Serial Number L867586	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested
Shelf Name R2 E	Relay Name 1-TER	Serial Number L893234	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F	Date Tested
Shelf Name R2 D	Relay Name WLR	Serial Number L854362	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 D	Relay Name 2E ASR	Serial Number L903413	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 D	Relay Name 2W ASR	Serial Number L907412	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B	Date Tested
Shelf Name R2 D	Relay Name 2 ASPR	Serial Number L916489	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 D	Relay Name 1EC NWLPR	Serial Number L920564	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R2 D	Relay Name 2-TER	Serial Number L893233	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)		Resistance (Ohms)	Contacts 2F	Date Tested
Shelf Name R2 C	Relay Name 1A WR	Serial Number L884678	Condition Left C	
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR	Date Tested 12/12/2008
Polar Normal Pickup 0.0188 A DC	Polar Normal Working 0.0188 A DC	Polar Reverse Pickup 0.0220 A DC	Polar Reverse Working 0.0220 A DC	

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 C	Relay Name 1A OR	Serial Number L919351	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Shelf Name R2 C	Relay Name 1A WRPR	Serial Number L897087	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (N322517-001 / 4A5)		Resistance (Ohms) 240	Contacts 2F Mag. HD
Shelf Name R2 C	Relay Name 1B WR	Serial Number L884683	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Polar Normal Pickup 0.0198 A DC	Polar Normal Working 0.0198 A DC	Polar Reverse Pickup 0.0185 A DC	Polar Reverse Working 0.0185 A DC
Shelf Name R2 C	Relay Name 1B OR	Serial Number L914375	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Shelf Name R2 C	Relay Name 1B WRPR	Serial Number L897139	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (N322517-001 / 4A5)		Resistance (Ohms) 240	Contacts 2F Mag. HD
Shelf Name R2 C	Relay Name 1 NWCR	Serial Number L903388	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Shelf Name R2 C	Relay Name 1 RWCR	Serial Number L895044	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Shelf Name R2 B	Relay Name 1E NWLPR	Serial Number L908250	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R2 B	Relay Name 1NW CPR	Serial Number L751643	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 1E HR	Serial Number L803185	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 1E HPR	Serial Number L906101	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 1E DR	Serial Number L906135	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 1E FYR	Serial Number L906132	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 1E PCR	Serial Number L767097	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Shelf Name R1 F	Relay Name 2E HR	Serial Number L906164	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 2E HPR	Serial Number L906195	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 2E DR	Serial Number L906102	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 F	Relay Name 2E FYR	Serial Number L906198	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 F	Relay Name 2E PCR	Serial Number L892818	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Shelf Name R1 E	Relay Name 1W HR	Serial Number L802065	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 1W HPR	Serial Number L871639	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 1W DR	Serial Number L886244	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 1W FYR	Serial Number L906126	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 1W PCR	Serial Number L817321	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Shelf Name R1 E	Relay Name 2W HR	Serial Number L761604	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 2W HPR	Serial Number L906131	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 2W DR	Serial Number L906087	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 2W FYR	Serial Number L882608	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 E	Relay Name 2W PCR	Serial Number L892789	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Shelf Name R1 D	Relay Name 2EB LOR	Serial Number L900904	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Shelf Name R1 D	Relay Name 1EA LOR	Serial Number L826670	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Shelf Name R1 D	Relay Name 1W YYR	Serial Number L823945	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 D	Relay Name 2EA HGR	Serial Number L803239	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 D	Relay Name 2EB HGR	Serial Number L906149	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Shelf Name R1 D	Relay Name 2EA_LOR	Serial Number L901998	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 D	Relay Name 1EA HGR	Serial Number L890711	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 1WA HGR	Serial Number L881207	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 1WB HGR	Serial Number L887994	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 2WA HGR	Serial Number L906146	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 2W YZR	Serial Number L840895	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 2WB LOR	Serial Number L808947	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 1WA LOR	Serial Number L902014	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 1WB LOR	Serial Number L902010	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 2WA LOR	Serial Number L900906	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-903)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 B	Relay Name 2 EOR	Serial Number B5093065	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB
Date Tested			
Shelf Name R1 B	Relay Name SMKR	Serial Number L793379	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 B	Relay Name 1 EOR	Serial Number B1395301	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB
Date Tested			
Shelf Name R1 B	Relay Name 1WA LOPR	Serial Number L803160	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK6WJ
Subdivision: BLACK HILLS	Test Date: 05/21/2009
Milepost (with Line Segment): 4 477.20 - 477.20	State: SD
Location / Highway Name: Single X Over	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SETX0232

Conditions Master Key

C = Test completed, condition left in compliance.
R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
V = Visual inspection completed, condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name E	Relay Name 1W DR	Serial Number L803292	Condition Left R Old relay had high restant contacts Old Serial Number: L886244	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 05/21/2009
Neutral Dropaway 0.0063 A DC	Neutral Pickup 0.0104 A DC	Neutral Working 0.0104 A DC		



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 07/26/2007
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1E(sig)-1.N(sw)-2.N(sw)-1W(sig)	07/26/2007	N	C	N	C	C	N	
1E(sig)-1.R(sw)-2.N(sw)-2W(sig)	07/26/2007	N	C	N	C	C	N	
1W(sig)-2.N(sw)-1.N(sw)-1E(sig)	07/26/2007	N	C	N	C	C	N	
1W(sig)-2.R(sw)-1.N(sw)-2E(sig)	07/26/2007	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2.N(sw)-2W(sig)	07/26/2007	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2.R(sw)-1W(sig)	07/26/2007	N	C	N	C	C	N	
2W(sig)-2.N(sw)-1.N(sw)-2E(sig)	07/26/2007	N	C	N	C	C	N	
2W(sig)-2.N(sw)-1.R(sw)-1E(sig)	07/26/2007	N	C	N	C	C	N	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 07/24/2009
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1E(sig)-1.N(sw)-2.N(sw)-1W(sig)	08/07/2009	N	C	N	C	C	N	
1E(sig)-1.R(sw)-2.N(sw)-2W(sig)	07/24/2009	N	C	N	C	C	N	
1W(sig)-2.N(sw)-1.N(sw)-1E(sig)	07/24/2009	N	C	N	C	C	N	
1W(sig)-2.R(sw)-1.N(sw)-2E(sig)	07/24/2009	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2.N(sw)-2W(sig)	07/24/2009	N	C	N	C	C	N	
2E(sig)-1.N(sw)-2.R(sw)-1W(sig)	07/24/2009	N	C	N	C	C	N	
2W(sig)-2.N(sw)-1.N(sw)-2E(sig)	07/24/2009	N	C	N	C	C	N	
2W(sig)-2.N(sw)-1.R(sw)-1E(sig)	07/24/2009	N	C	N	C	C	N	



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 06/04/2007
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	12	14	HOUSE	1A SWITCH	C
Underground	2	6	HOUSE	1A SWITCH	C
Underground	12	14	HOUSE	1B SWITCH	C
Underground	3	6	HOUSE	1B SWITCH	C
Underground	3	6	HOUSE	1B SWITCH	C
Underground	3	6	HOUSE	1B SWITCH	C
Underground	2	6	HOUSE	1B SWITCH	C
Underground	2	6	HOUSE	1B SWITCH	C
Underground	12	14	HOUSE	2A SWITCH	C
Underground	3	6	HOUSE	2A SWITCH	C
Underground	2	6	HOUSE	2A SWITCH	C
Underground	12	14	HOUSE	2B SWITCH	C
Underground	3	6	HOUSE	2B SWITCH	C
Underground	3	6	HOUSE	2B SWITCH	C
Underground	2	6	HOUSE	2B SWITCH	C
Underground	2	6	HOUSE	2B SWITCH	C
Underground	5	9	HOUSE	SIG. 1EA	C
Underground	5	9	HOUSE	SIG. 1EB	C
Underground	5	9	HOUSE	SIG. 1WA	C
Underground	5	9	HOUSE	SIG. 1WB	C

Insulation Tests (FRA 234.267, 236.108)

Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	SIG. 2EA	C
Underground	5	9	HOUSE	SIG. 2EB	C
Underground	5	9	HOUSE	SIG. 2WA	C
Underground	5	9	HOUSE	SIG. 2WB	C



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 03/27/2009
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Dale Niswender (dniswend)	PARS Number: SETX0232

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	2EA SIG	C
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	9	HOUSE	2EB SIG.	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 08/27/2007
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance.
R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
V = Visual inspection completed, condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)			
Shelf Name R2 G	Relay Name 1 OSTPPR	Serial Number L984383	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 G	Relay Name 1E TR	Serial Number L916848	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 G	Relay Name 2E TR	Serial Number 3681A85	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 G	Relay Name 1OS TR	Serial Number L981036	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested Not Tested			
Shelf Name R2 G	Relay Name 1 OSTP THR	Serial Number L891461	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-005)		Resistance (Ohms)	Contacts 1F-1CB
Date Tested Not Tested			
Shelf Name R2 G	Relay Name 1 OSTPR	Serial Number L903085	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested Not Tested			
Shelf Name R2 G	Relay Name SMKR	Serial Number L928696	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 1W BKR	Serial Number L803196	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2W BKR	Serial Number L803187	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 1W TR	Serial Number L753195	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2W TR	Serial Number L803165	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2 OS TR	Serial Number L918062	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
Date Tested Not Tested			
Shelf Name R2 F	Relay Name 2 OSTP THR	Serial Number L891466	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-005)		Resistance (Ohms)	Contacts 1F-1CB
Date Tested Not Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 F	Relay Name 2 OSTPR	Serial Number L903088	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 F	Relay Name 2OSTPPR	Serial Number L907413	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name LR	Serial Number L906227	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name 1LSR	Serial Number L795524	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name 1E ASR	Serial Number L895159	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name 1W ASR	Serial Number L903072	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name 1ASPR	Serial Number L906208	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name POR	Serial Number L867502	Condition Left C
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested	08/27/2007		
Neutral Dropaway 6.7600 V AC		Neutral Pickup 9.3200 V AC	Neutral Working 9.3200 V AC
Shelf Name R2 E	Relay Name POPR	Serial Number L906253	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 E	Relay Name 1 TER	Serial Number L893218	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150T (322523-308)		Resistance (Ohms)	Contacts 3F
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2 LSR	Serial Number L916574	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2E ASR	Serial Number L903355	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2W ASR	Serial Number L903356	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2 ASPR	Serial Number L906201	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 1 NWCPR	Serial Number L803163	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2 NWCPR	Serial Number L707765	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R2 D	Relay Name 2 TER	Serial Number L893243	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150T (322523-308)		Resistance (Ohms)	Contacts 3F
Date Tested	Not Tested		

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 C	Relay Name 1A WR	Serial Number L900446	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR Date Tested Not Tested
Shelf Name R2 C	Relay Name 1A OR	Serial Number L914373	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C Date Tested Not Tested
Shelf Name R2 C	Relay Name 1A WRPR	Serial Number L897145	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD Date Tested Not Tested
Shelf Name R2 C	Relay Name 1B WR	Serial Number L884682	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR Date Tested Not Tested
Shelf Name R2 C	Relay Name 1B OR	Serial Number L914372	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C Date Tested Not Tested
Shelf Name R2 C	Relay Name 1B WRPR	Serial Number L897146	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD Date Tested Not Tested
Shelf Name R2 C	Relay Name 1 NWCR	Serial Number L903069	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B Date Tested Not Tested
Shelf Name R2 C	Relay Name 1 RWCR	Serial Number L907410	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B Date Tested Not Tested
Shelf Name R2 B	Relay Name 2A WR	Serial Number L884688	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR Date Tested Not Tested
Shelf Name R2 B	Relay Name 2A OR	Serial Number L914370	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C Date Tested Not Tested
Shelf Name R2 B	Relay Name 2A WRPR	Serial Number L919636	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD Date Tested Not Tested
Shelf Name R2 B	Relay Name 2B WR	Serial Number L884685	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR Date Tested Not Tested
Shelf Name R2 B	Relay Name 2B OR	Serial Number L919345	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C Date Tested Not Tested
Shelf Name R2 B	Relay Name 2B WRPR	Serial Number L919674	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD Date Tested Not Tested
Shelf Name R2 B	Relay Name 2NWCR	Serial Number L903070	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B Date Tested Not Tested
Shelf Name R2 B	Relay Name 2RWCR	Serial Number L903377	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B Date Tested Not Tested
Shelf Name R1 F	Relay Name 1E HR	Serial Number L908259	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested
Shelf Name R1 F	Relay Name 1E HPR	Serial Number L908258	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB Date Tested Not Tested

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 F	Relay Name 1E DR	Serial Number L906229	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 1E FYR	Serial Number L906174	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 1E PCR	Serial Number L813336	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 2E HR	Serial Number L906234	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 2E HPR	Serial Number L906204	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 2E DR	Serial Number L902494	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 2E FYR	Serial Number L906177	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 F	Relay Name 2E PCR	Serial Number L833352	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W HR	Serial Number L890991	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W HPR	Serial Number L906129	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W DR	Serial Number L908278	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W FYR	Serial Number L906231	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 1W PCR	Serial Number L812766	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W HR	Serial Number L906210	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W HPR	Serial Number L906215	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W DR	Serial Number L884100	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W FYR	Serial Number L891470	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 E	Relay Name 2W PCR	Serial Number L818103	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested	Not Tested		

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 D	Relay Name 1EA HGR	Serial Number L884054	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1EA LOR	Serial Number L901983	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1EB HGR	Serial Number L906248	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 1EB LOR	Serial Number L902015	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EA HGR	Serial Number L906140	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EA LOR	Serial Number L900905	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EB HGR	Serial Number L906162	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 D	Relay Name 2EB LOR	Serial Number L902018	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 1WA HGR	Serial Number L906086	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 1WA LOR	Serial Number L902046	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 1WB HGR	Serial Number L906209	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 1WB LOR	Serial Number L827410	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 2WA HGR	Serial Number L908267	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 2WA LOR	Serial Number L900929	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 2WB HGR	Serial Number L802431	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 C	Relay Name 2WB LOR	Serial Number L900908	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested	Not Tested		
Shelf Name R1 B	Relay Name 2 EOR	Serial Number B5093057	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB
Date Tested	Not Tested		
Shelf Name R1 B	Relay Name 2E YYR	Serial Number L799037	Condition Left NT
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested	Not Tested		

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 B	Relay Name 1 EOR	Serial Number B0695039	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB	Date Tested Not Tested
Shelf Name R1 B	Relay Name 2EA LOPR	Serial Number L688882	Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested Not Tested



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BABK60E
Subdivision: BLACK HILLS	Test Date: 12/12/2008
Milepost (with Line Segment): 4 478.80 - 478.80	State: SD
Location / Highway Name: Double X Over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, condition left in compliance.
- R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
- V = Visual inspection completed, condition left in compliance.
- NT = The equipment was not tested in this inspection.
- N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)

Shelf Name	Relay Name	Serial Number	Condition Left
R2 G	1 OSTPPR	L984383	N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
R2 G	1E TR	L916848	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 G	2E TR	3681A85	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 G	1OS TR	L981036	N
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
R2 G	1 OSTP THR	L891461	N
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-005)		Resistance (Ohms)	Contacts 1F-1CB
R2 G	1 OSTPR	L903085	N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
R2 G	SMKR	L928696	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 F	1W BKR	L803196	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 F	2W BKR	L803187	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 F	1W TR	L753195	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 F	2W TR	L803165	N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
R2 F	2 OS TR	L918062	N
Relay Type (Drawing and/or Catalog Number) PN-150BTR (322501-702)		Resistance (Ohms) 4	Contacts 6F-6B
R2 F	2 OSTP THR	L891466	N
Relay Type (Drawing and/or Catalog Number) PT-150 (322518-005)		Resistance (Ohms)	Contacts 1F-1CB

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 F	Relay Name 2 OSTPR	Serial Number L903088	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 F	Relay Name 2OSTPPR	Serial Number L907413	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 E	Relay Name LR	Serial Number L906227	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 E	Relay Name 1LSR	Serial Number L795524	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 E	Relay Name 1E ASR	Serial Number L895159	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 E	Relay Name 1W ASR	Serial Number L903072	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 E	Relay Name 1ASPR	Serial Number L906208	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 E	Relay Name POR	Serial Number L867502	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)		Resistance (Ohms) 240	Contacts 4F-4BHD
Date Tested			
Shelf Name R2 E	Relay Name POPR	Serial Number L906253	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 E	Relay Name 1 TER	Serial Number L893218	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150T (322523-308)		Resistance (Ohms)	Contacts 3F
Date Tested			
Shelf Name R2 D	Relay Name 2 LSR	Serial Number L916574	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 D	Relay Name 2E ASR	Serial Number L903355	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 D	Relay Name 2W ASR	Serial Number L903356	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 D	Relay Name 2 ASPR	Serial Number L906201	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 D	Relay Name 1 NWCPR	Serial Number L803163	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 D	Relay Name 2 NWCPR	Serial Number L707765	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R2 D	Relay Name 2 TER	Serial Number L893243	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150T (322523-308)		Resistance (Ohms)	Contacts 3F
Date Tested			
Shelf Name R2 C	Relay Name 1A WR	Serial Number L900446	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested	12/12/2008		
Polar Normal Pickup 0.0204 A DC	Polar Normal Working 0.0204 A DC	Polar Reverse Pickup 0.0222 A DC	Polar Reverse Working 0.0222 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name R2 C	Relay Name 1A OR	Serial Number L914373	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name R2 C	Relay Name 1A WRPR	Serial Number L897145	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name R2 C	Relay Name 1B WR	Serial Number L884682	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested	12/12/2008		
Polar Normal Pickup 0.0185 A DC	Polar Normal Working 0.0185 A DC	Polar Reverse Pickup 0.0187 A DC	Polar Reverse Working 0.0187 A DC
Shelf Name R2 C	Relay Name 1B OR	Serial Number L914372	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name R2 C	Relay Name 1B WRPR	Serial Number L897146	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name R2 C	Relay Name 1 NWCR	Serial Number L903069	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 C	Relay Name 1 RWCR	Serial Number L907410	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 B	Relay Name 2A WR	Serial Number L884688	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested	12/12/2008		
Polar Normal Pickup 0.0232 A DC	Polar Normal Working 0.0232 A DC	Polar Reverse Pickup 0.0232 A DC	Polar Reverse Working 0.0232 A DC
Shelf Name R2 B	Relay Name 2A OR	Serial Number L914370	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name R2 B	Relay Name 2A WRPR	Serial Number L919636	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name R2 B	Relay Name 2B WR	Serial Number L884685	Condition Left C
Relay Type (Drawing and/or Catalog Number) PP-151 (322516-001)		Resistance (Ohms) 240	Contacts 6NR
Date Tested	12/12/2008		
Polar Normal Pickup 0.0210 A DC	Polar Normal Working 0.0210 A DC	Polar Reverse Pickup 0.0203 A DC	Polar Reverse Working 0.0203 A DC
Shelf Name R2 B	Relay Name 2B OR	Serial Number L919345	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150SO (322512-002)		Resistance (Ohms) 0.039	Contacts 1B-1C
Date Tested			
Shelf Name R2 B	Relay Name 2B WRPR	Serial Number L919674	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BM (322517-001)		Resistance (Ohms) 240	Contacts 2FMHD
Date Tested			
Shelf Name R2 B	Relay Name 2NWCR	Serial Number L903070	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R2 B	Relay Name 2RWCR	Serial Number L903377	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-250B (N322554-701 / 4A1)		Resistance (Ohms) 250 (500/500 parallel)	Contacts 6FB-6F-3B
Date Tested			
Shelf Name R1 F	Relay Name 1E HR	Serial Number L908259	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 F	Relay Name 1E HPR	Serial Number L908258	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 1E DR	Serial Number L906229	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 1E FYR	Serial Number L906174	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 1E PCR	Serial Number L813336	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested			
Shelf Name R1 F	Relay Name 2E HR	Serial Number L906234	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 2E HPR	Serial Number L906204	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 2E DR	Serial Number L902494	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 2E FYR	Serial Number L906177	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 F	Relay Name 2E PCR	Serial Number L833352	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested			
Shelf Name R1 E	Relay Name 1W HR	Serial Number L890991	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 1W HPR	Serial Number L906129	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 1W DR	Serial Number L908278	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 1W FYR	Serial Number L906231	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 1W PCR	Serial Number L812766	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested			
Shelf Name R1 E	Relay Name 2W HR	Serial Number L906210	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 2W HPR	Serial Number L906215	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 2W DR	Serial Number L884100	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 E	Relay Name 2W FYR	Serial Number L891470	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 E	Relay Name 2W PCR	Serial Number L818103	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BSR (N322503-701 / 4A3)		Resistance (Ohms) 100	Contacts 6F-6B
Date Tested			
Shelf Name R1 D	Relay Name 1EA HGR	Serial Number L884054	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 D	Relay Name 1EA LOR	Serial Number L901983	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 D	Relay Name 1EB HGR	Serial Number L906248	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 D	Relay Name 1EB LOR	Serial Number L902015	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 D	Relay Name 2EA HGR	Serial Number L906140	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 D	Relay Name 2EA LOR	Serial Number L900905	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 D	Relay Name 2EB HGR	Serial Number L906162	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 D	Relay Name 2EB LOR	Serial Number L902018	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 1WA HGR	Serial Number L906086	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 1WA LOR	Serial Number L902046	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 1WB HGR	Serial Number L906209	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 1WB LOR	Serial Number L827410	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 2WA HGR	Serial Number L908267	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 2WA LOR	Serial Number L900929	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 C	Relay Name 2WB HGR	Serial Number L802431	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB
Date Tested			
Shelf Name R1 C	Relay Name 2WB LOR	Serial Number L900908	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)		Resistance (Ohms) 175	Contacts 3FB
Date Tested			
Shelf Name R1 B	Relay Name 2 EOR	Serial Number B5093057	Condition Left N
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB
Date Tested			

Relay Tests (FRA 234.263, 236.106)

Shelf Name R1 B	Relay Name 2E YYR	Serial Number L799037	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested
Shelf Name R1 B	Relay Name 1 EOR	Serial Number B0695039	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150F (N322530-701)		Resistance (Ohms) 60	Contacts 6FB	Date Tested
Shelf Name R1 B	Relay Name 2EA LOPR	Serial Number L688882	Condition Left N	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Contacts 6FB	Date Tested



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/24/2010
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Bryant Quick (bquick)	PARS Number: SSCX0131-2

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1EA(sig)-1A.N(sw)-2A.N(sw)-1WA(sig)	08/24/2010	N	N	C	C	C	C	
1EB(sig)-1A.R(sw)-1B.R(sw)-2B.N(sw)-2WB(sig)	08/24/2010	N	N	C	C	C	C	
1WA(sig)-2A.N(sw)-1A.N(sw)-1EA(sig)	08/24/2010	N	N	C	C	C	C	
1WB(sig)-2A.R(sw)-2B.R(sw)-1B.N(sw)-2EB(sig)	08/24/2010	N	N	C	C	C	C	
2EA(sig)-1B.N(sw)-2B.N(sw)-2WA(sig)	08/24/2010	N	N	C	C	C	C	
2EB(sig)-1B.N(sw)-2B.R(sw)-2A.R(sw)-1WB(sig)	08/24/2010	N	N	C	C	C	C	
2WA(sig)-2B.N(sw)-1B.N(sw)-2EA(sig)	08/24/2010	N	N	C	C	C	C	
2WB(sig)-2B.N(sw)-1B.R(sw)-1A.R(sw)-1EB(sig)	08/24/2010	N	N	C	C	C	C	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/23/2012
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1EA(sig)-1A.N(sw)-2A.N(sw)-1WA(sig)	08/23/2012	N	N	C	C	C	N	
1EB(sig)-1A.R(sw)-1B.R(sw)-2B.N(sw)-2WB(sig)	08/23/2012	N	N	C	C	C	N	
1WA(sig)-2A.N(sw)-1A.N(sw)-1EA(sig)	08/23/2012	N	N	C	C	C	N	
1WB(sig)-2A.R(sw)-2B.R(sw)-1B.N(sw)-2EB(sig)	08/23/2012	N	N	C	C	C	N	
2EA(sig)-1B.N(sw)-2B.N(sw)-2WA(sig)	08/23/2012	N	N	C	C	C	N	
2EB(sig)-1B.N(sw)-2B.R(sw)-2A.R(sw)-1WB(sig)	08/23/2012	N	N	C	C	C	N	
2WA(sig)-2B.N(sw)-1B.N(sw)-2EA(sig)	08/23/2012	N	N	C	C	C	N	
2WB(sig)-2B.N(sw)-1B.R(sw)-1A.R(sw)-1EB(sig)	08/23/2012	N	N	C	C	C	N	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/23/2012
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests								
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)	
1EA(sig)-1A.N(sw)-2A.N(sw)-1WA(sig)	08/23/2012	N	N	C	C	C	N	
1EB(sig)-1A.R(sw)-1B.R(sw)-2B.N(sw)-2WB(sig)	08/23/2012	N	N	C	C	C	N	
1WA(sig)-2A.N(sw)-1A.N(sw)-1EA(sig)	08/23/2012	N	N	C	C	C	N	
1WB(sig)-2A.R(sw)-2B.R(sw)-1B.N(sw)-2EB(sig)	08/23/2012	N	N	C	C	C	N	
2EA(sig)-1B.N(sw)-2B.N(sw)-2WA(sig)	08/23/2012	N	N	C	C	C	N	
2EB(sig)-1B.N(sw)-2B.R(sw)-2A.R(sw)-1WB(sig)	08/23/2012	N	N	C	C	C	N	
2WA(sig)-2B.N(sw)-1B.N(sw)-2EA(sig)	08/23/2012	N	N	C	C	C	N	
2WB(sig)-2B.N(sw)-1B.R(sw)-1A.R(sw)-1EB(sig)	08/23/2012	N	N	C	C	C	N	



Inspection Report - Locking Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 07/20/2016
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: David Thieme (dthieme)	PARS Number: SINS0222

Conditions Master Key

- C = Test completed, no exceptions found, and condition left in compliance.
- A = Adjustments made (identified in associated comments), test completed, and condition left in compliance.
- R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
- B = Baseline data matches that recorded during the most recent Baseline test, so full test not required.
- G = Governed by Special Instruction
- NT = The equipment was not tested in this inspection.
- N = Test Not Applicable.
- NI = No Inspection Required.
- CO = Compliant
- NC = Not compliant
- P = Pass
- F = Fail

NOTE: Entry of results of tests indicates for approach locking that all track sections in approach are effective, and for time locking each time locking circuit is effective.

Locking Tests							
Route Nomenclature	Date Tested	Mechanical (FRA 236.376)	Approach (FRA 236.377)	Time (FRA 236.378)	Route (FRA 236.379)	Indication (FRA 236.380)	Traffic (FRA 236.381)
Baseline Data Condition Left: B							
Did you verify input/output circuits to/from the processor unit? Yes							
Did you verify configuration settings checksum and crc are set per the print? Yes							
1EA-1A.N-2A.N-1WA		NI	NI	NI	NI	NI	NI
1EB-1A.R-1B.R-2B.N-2WB		NI	NI	NI	NI	NI	NI
1WA-2A.N-1A.N-1EA		NI	NI	NI	NI	NI	NI
1WB-2A.R-2B.R-1B.N-2EB		NI	NI	NI	NI	NI	NI
2EA-1B.N-2B.N-2WA		NI	NI	NI	NI	NI	NI
2EB-1B.N-2B.R-2A.R-1WB		NI	NI	NI	NI	NI	NI
2WA-2B.N-1B.N-2EA		NI	NI	NI	NI	NI	NI
2WB-2B.N-1B.R-1A.R-1EB		NI	NI	NI	NI	NI	NI



Inspection Report - Insulation Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/11/2010
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Woody Smith (wosmith)	PARS Number: SSCX0213-5

Conditions Master Key

C = Test completed, condition left in compliance. Indicates that all wires in trunking and cable measured 500K Ohms and above.
A = Annual test required; insulation resistance between 500K and 200K Ohms. Prompt action shall be taken to remedy condition.
R = Repairs and/or Replacements made (identified in associated comments), test completed, and condition left in compliance.
NT = The equipment was not tested in this inspection.
N = No inspection required. This is an annual re-inspection of a different conductor.

Insulation Tests (FRA 234.267, 236.108)					
Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	5	6	HOUSE	SIG. 1EB	C
Underground	5	6	HOUSE	SIG. 1WA	C
Underground	5	6	HOUSE	SIG. 1WB	C
Underground	5	6	HOUSE	SIG. 2EA	C
Underground	5	6	HOUSE	SIG. 2EB	C
Underground	5	6	HOUSE	SIG. 2WA	C
Underground	5	6	HOUSE	SIG. 2WB	C
Underground	5	6	HOUSE	SIG.1EA	C
Underground	12	14	HOUSE	SWITCH 1A	C
Underground	3	9	HOUSE	SWITCH 1A	C
Underground	3	6	HOUSE	SWITCH 1A	C
Underground	3	6	HOUSE	SWITCH 1A	C
Underground	12	14	HOUSE	SWITCH 1B	C
Underground	3	9	HOUSE	SWITCH 1B	C
Underground	3	6	HOUSE	SWITCH 1B	C
Underground	3	6	HOUSE	SWITCH 1B	C
Underground	12	14	HOUSE	SWITCH 2A	C
Underground	3	9	HOUSE	SWITCH 2A	C
Underground	3	6	HOUSE	SWITCH 2A	C
Underground	3	6	HOUSE	SWITCH 2A	C

Insulation Tests (FRA 234.267, 236.108)

Cable Type	Conductors	Wire Size	Run From	Run To	Cond.
Underground	12	14	HOUSE	SWITCH 2B	C
Underground	3	9	HOUSE	SWITCH 2B	C
Underground	3	6	HOUSE	SWITCH 2B	C
Underground	3	6	HOUSE	SWITCH 2B	C



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/20/2010
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Bryant Quick (bquick)	PARS Number: SSCX0131-2

Conditions Master Key

C = Test completed, condition left in compliance.
 R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
 V = Visual inspection completed, condition left in compliance.
 NT = The equipment was not tested in this inspection.
 N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1BF	Relay Name 1ATR	Serial Number 1008614	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0741 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 1BTR	Serial Number 1008594	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1450 A DC		Neutral Working 0.1450 A DC
Shelf Name 1BF	Relay Name 1CTR	Serial Number 1008616	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 1DTR	Serial Number 1008615	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 2ATR	Serial Number 1008593	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 2BTR	Serial Number 1008613	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 2CTR	Serial Number 1008595	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0720 A DC		Neutral Pickup 0.1470 A DC		Neutral Working 0.1470 A DC
Shelf Name 1BF	Relay Name 2DTR	Serial Number 1008596	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/20/2010
Neutral Dropaway 0.0740 A DC		Neutral Pickup 0.1460 A DC		Neutral Working 0.1460 A DC
Shelf Name 1BF	Relay Name 1ANWR	Serial Number 1008264	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 08/20/2010
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0189 A DC		Neutral Working 0.0189 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name 1BF	Relay Name 1ARWR	Serial Number 1007623	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0078 A DC		Neutral Working 0.0184 A DC	
Shelf Name 1BF	Relay Name 1BNWR	Serial Number 1008197	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0075 A DC		Neutral Working 0.0188 A DC	
Shelf Name 1BF	Relay Name 1BRWR	Serial Number 1008196	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0076 A DC		Neutral Working 0.0189 A DC	
Shelf Name 1BF	Relay Name 2ANWR	Serial Number 1008206	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0076 A DC		Neutral Working 0.0190 A DC	
Shelf Name 1BF	Relay Name 2ARWR	Serial Number 1008205	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0077 A DC		Neutral Working 0.0190 A DC	
Shelf Name 1BF	Relay Name 2BNWR	Serial Number 1008204	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0076 A DC		Neutral Working 0.0189 A DC	
Shelf Name 1BF	Relay Name 2BRWR	Serial Number 1008207	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0075 A DC		Neutral Working 0.0188 A DC	
Shelf Name 1BF	Relay Name 5VSTOP	Serial Number 77271U029	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B
Neutral Dropaway 0.0056 A DC		Neutral Working 0.0115 A DC	
Shelf Name 1BF	Relay Name 6VSTOP	Serial Number 80863U045	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B
Neutral Dropaway 0.0057 A DC		Neutral Working 0.0116 A DC	



Inspection Report - Relay Tests & Inspections

Division: POWDER RIVER	Asset ID: BACDF5J
Subdivision: BLACK HILLS	Test Date: 08/11/2014
Milepost (with Line Segment): 4 478.84 - 478.84	State: SD
Location / Highway Name: double X over	
County: FALL RIVER	
Employee's Name: Wayne Strozzi (wstrozzi)	PARS Number: SINS0222

Conditions Master Key

C = Test completed, condition left in compliance.
 R = Replacements made (identified in associated comments), test completed, and condition left in compliance.
 V = Visual inspection completed, condition left in compliance.
 NT = The equipment was not tested in this inspection.
 N = No inspection required. The given relay does not require inspection at this time.

Relay Tests (FRA 234.263, 236.106)				
Shelf Name 1BF	Relay Name 1ATR	Serial Number 1008614	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0650 A DC		Neutral Pickup 0.1700 A DC		Neutral Working 0.1700 A DC
Shelf Name 1BF	Relay Name 1BTR	Serial Number 1008594	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0630 A DC		Neutral Pickup 0.1490 A DC		Neutral Working 0.1490 A DC
Shelf Name 1BF	Relay Name 1CTR	Serial Number 1008616	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0600 A DC		Neutral Pickup 0.1610 A DC		Neutral Working 0.1610 A DC
Shelf Name 1BF	Relay Name 1DTR	Serial Number 1008615	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0520 A DC		Neutral Pickup 0.1540 A DC		Neutral Working 0.1540 A DC
Shelf Name 1BF	Relay Name 2ATR	Serial Number 1008593	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0670 A DC		Neutral Pickup 0.1340 A DC		Neutral Working 0.1340 A DC
Shelf Name 1BF	Relay Name 2BTR	Serial Number 1008613	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0590 A DC		Neutral Pickup 0.1520 A DC		Neutral Working 0.1520 A DC
Shelf Name 1BF	Relay Name 2CTR	Serial Number 1008595	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0600 A DC		Neutral Pickup 0.1660 A DC		Neutral Working 0.1660 A DC
Shelf Name 1BF	Relay Name 2DTR	Serial Number 1008596	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)		Resistance (Ohms) 2	Contacts 4FB-2F-1B	Date Tested 08/11/2014
Neutral Dropaway 0.0820 A DC		Neutral Pickup 0.1540 A DC		Neutral Working 0.1540 A DC
Shelf Name 1BF	Relay Name 1ANWR	Serial Number 1008264	Condition Left C	
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD	Date Tested 08/11/2014
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0180 A DC		Neutral Working 0.0180 A DC

Relay Tests (FRA 234.263, 236.106)

Shelf Name 1BF	Relay Name 1ARWR	Serial Number 1007623	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0180 A DC	
Shelf Name 1BF	Relay Name 1BNWR	Serial Number 1008197	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0170 A DC	
Shelf Name 1BF	Relay Name 1BRWR	Serial Number 1008196	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0180 A DC	
Shelf Name 1BF	Relay Name 2ANWR	Serial Number 1008206	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0180 A DC	
Shelf Name 1BF	Relay Name 2ARWR	Serial Number 1008205	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0180 A DC	
Shelf Name 1BF	Relay Name 2BNWR	Serial Number 1008204	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0170 A DC	
Shelf Name 1BF	Relay Name 2BRWR	Serial Number 1008207	Condition Left C
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)		Resistance (Ohms) 500	Contacts 2F-2B EHD
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0170 A DC	
Shelf Name 1BF	Relay Name 5VSTOP	Serial Number 77271U029	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B
Neutral Dropaway 0.0050 A DC		Neutral Pickup 0.0100 A DC	
Shelf Name 1BF	Relay Name 6VSTOP	Serial Number 80863U045	Condition Left C
Relay Type (Drawing and/or Catalog Number) B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500	Contacts 4FB-2F-1B
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0110 A DC	