DCA-11-FR-002 BNSF Coal Train – Work Train Collision Red Oak, IA April 17, 2011

ATTACHMENT 21

4475-4535 Relay Tests and Inspections

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 10/04/2005
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

		Relay Tests (FRA 234.263, 236.106	5)		
Shelf Name AE	Relay Name LA-LOR		Serial Number L589966		Condition Left	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	alog Number)		Resistance (Ohms) 0.3	Cont 3FB	acts	Date Tested 10/04/2005
Neutral Dropaway 0.1340 A AC		Neutral Pickup 0.3400 A AC			ral Working 00 A AC	·
helf Name Relay Name E LB-LOR			Serial Number L589972		Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)			Resistance (Ohms) 0.3	Cont 3FB	acts	Date Tested 10/04/2005
Neutral Dropaway 0.1340 A AC		Neutral Pickup 0.3460 A AC			ral Working 60 A AC	
Shelf Name AE	Relay Name RA-LOR		Serial Number L589974		Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)			Resistance (Ohms) 0.3	Cont 3FB	acts	Date Tested 10/04/2005
Neutral Dropaway 0.1640 A AC					ral Working 50 A AC	
Shelf Name AE	Relay Name RB-LOR		Serial Number L589934		Condition Left	
Relay Type (Drawing and/or Cata PN-150BL (322510-003)	alog Number)		Resistance (Ohms) 0.3	Cont 3FB	acts	Date Tested 10/04/2005
Neutral Dropaway 0.1450 A AC		Neutral Pickup 0.3500 A AC			ral Working 00 A AC	
Shelf Name AH	Relay Name POPR		Serial Number L893033		Condition Left	
Relay Type (Drawing and/or Cata PN-250B (322554-701)	alog Number)		Resistance (Ohms) 1000		acts -6F-3B	Date Tested 10/04/2005
Neutral Dropaway 0.0087 A DC		Neutral Pickup 0.0113 A DC			ral Working 13 A DC	·
Shelf Name AH	Relay Name POR		Serial Number L686594		Condition Left V	
Relay Type (Drawing and/or Cata PN-150P (322508-002)	alog Number)		Resistance (Ohms) 240		t acts IBHD	Date Tested 10/04/2005
Shelf Name AAC	Relay Name XMPR		Serial Number L610829		Condition Left	
Relay Type (Drawing and/or Cata PN-150B (322500-701)	alog Number)		Resistance (Ohms) 400	Cont 6F-6	tacts BB	Date Tested 10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0113 A DC			r al Working 13 A DC	
Shelf Name AAC	Relay Name TER		Serial Number L894478		Condition Left	
Relay Type (Drawing and/or Cata PN-150T (N322523-307 / 4F6			Resistance (Ohms)	Cont 2F	acts	Date Tested 10/04/2005
Shelf Name AAC	Relay Name LMR		Serial Number L610853		Condition Left	
Relay Type (Drawing and/or Cata PN-150B (322500-701)	alog Number)		Resistance (Ohms) 400	Cont 6F-6	acts B	Date Tested 10/04/2005
Neutral Dropaway 0.0061 A DC		Neutral Pickup 0.0113 A DC			ral Working 13 A DC	

		Relay Tests	(FRA 234.263, 236.106)		
Shelf Name AAC	Relay Name RMR	•	Serial Number L610852	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0113 A DC	ł	Neutral Working 0.0113 A DC	I
Shelf Name	Relay Name		Serial Number	Condition Left	
AAC Relay Type (Drawing and/or Cat	MPR talog Number)		L607814 Resistance (Ohms)	C C Contacts	Date Tested
PN-150B (322500-701) Neutral Dropaway		Neutral Biokup	400	6F-6B	10/04/2005
0.0063 A DC		Neutral Pickup 0.0098 A DC		Neutral Working 0.0098 A DC	
Shelf Name AAC	Relay Name WPR		Serial Number L607452	Condition Left	
Relay Type (Drawing and/or Cat PN-150BD (N322504-701-00			Resistance (Ohms) 400	Contacts 3FB-N 3FB-R	Date Tested 10/04/2005
Neutral DropawayNeutral Pickup0.0044 A DC0.0118 A DC		Neutral Pickup 0.0118 A DC		Neutral Working 0.0127 A DC	
Shelf Name AAD	Relay Name		Serial Number L619375	Condition Left	
Relay Type (Drawing and/or Cat PN-150BTR (322501-702)			Resistance (Ohms)	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1160 A DC		Neutral Working 0.1220 A DC	
Shelf Name	Relay Name		Serial Number	Condition Left	
AAD Relay Type (Drawing and/or Cat	1-TR talog Number)		L319376 Resistance (Ohms)	C Contacts	Date Tested
PN-150BTR (322501-702) Neutral Dropaway		Neutral Pickup	4	6F-6B Neutral Working	10/04/2005
0.0790 A DC	D.L. N.	0.1180 A DC	Our Statistics	0.1230 A DC	
Shelf Name AAD	Relay Name THR	•	Serial Number 3479D01	Condition Left V	
Relay Type (Drawing and/or Cat PT-150 (322518-003)	alog Number)		Resistance (Ohms) 10 Volt	Contacts 1F-1CB	Date Tested 10/04/2005
Shelf Name AAD	Relay Name TPR		Serial Number L894371	Condition Left	
Relay Type (Drawing and/or Cat PN-250B (322554-701)	alog Number)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested 10/04/2005
Neutral Dropaway 0.0078 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0114 A DC	
Shelf Name AAD	Relay Name NWCR		Serial Number L893014	Condition Left	
Relay Type (Drawing and/or Cat PN-250B (322554-701)			Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested 10/04/2005
Neutral Dropaway 0.0082 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0114 A DC	
Shelf Name AAD	Relay Name RWCR		Serial Number L894391	Condition Left	
Relay Type (Drawing and/or Cat PN-250B (322554-701)			Resistance (Ohms)	Contacts 6FB-6F-3B	Date Tested 10/04/2005
Neutral Dropaway		Neutral Pickup	1000	Neutral Working	10/04/2003
0.0076 A DC Shelf Name AAE	Relay Name W TR	0.0114 A DC	Serial Number L901814	0.0114 A DC Condition Left C	
Relay Type (Drawing and/or Cat PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC	
Shelf Name AAE	Relay Name E TR		Serial Number L700704	Condition Left	
Relay Type (Drawing and/or Cat PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B	Date Tested 10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0106 A DC	I	Neutral Working 0.0106 A DC	
Shelf Name	Relay Name		Serial Number	Condition Left	
AAE Relay Type (Drawing and/or Cat	2W TR talog Number)		L902490 Resistance (Ohms)	C C Contacts	Date Tested
PN-150B (322500-701)		Neutral Dist.	400	6F-6B	10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC	

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name AAE	Relay Name WR	•	Serial Number L896981	Cond C	ition Left	
Relay Type (Drawing and/or Catal PP-151 (322516-001)			Resistance (Ohms) 240	Contacts 6NR		Date Tested 10/04/2005
Polar Normal Pickup 0.0240 A DC	Polar Norma 0.0240 A D		Polar Reverse Pickup 0.0205 A DC		Polar Reverse 0.0205 A DC	Working
Shelf Name AAE	Relay Name WPR	•	Serial Number L4079303	Condition Left		
Relay Type (Drawing and/or Catal PN-150BM (322517-001)	log Number)		Resistance (Ohms) 240	Contacts 2FMHD		Date Tested 10/04/2005
Neutral Dropaway 0.0127 A DC		Neutral Pickup 0.0206 A DC		Neutral Wo 0.0206 A		I
Shelf Name AAE	Relay Name OR	•	Serial Number L905603	Cond	ition Left	
Relay Type (Drawing and/or Catal PN-150SO (322512-002)	log Number)		Resistance (Ohms) 0.039	Contacts 1B-1C		Date Tested 10/04/2005
Shelf Name AAF	Relay Name WB HR	•	Serial Number	Cond	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0127 A DC		Neutral Wo 0.0127 A I		10/01/2000
Shelf Name AAF	Relay Name E HR		Serial Number L770091		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0122 A DC		Neutral Wo 0.0122 A		I
Shelf Name AAF	Relay Name WB DR	•	Serial Number L891534	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	log Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0108 A DC	I	Neutral Wo 0.0108 A		I
Shelf Name AAF	Relay Name E DR	•	Serial Number L623229	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	log Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0107 A DC		Neutral Wo 0.0122 A		1
Shelf Name AAG	Relay Name		Serial Number L623208	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	log Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0112 A DC		Neutral Wo		
Shelf Name AAG	Relay Name LA GY GP		Serial Number L610869	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0122 A DC		Neutral Wo 0.0122 A		
Shelf Name AAG	Relay Name	•	Serial Number L610854		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC		Neutral Wo 0.0108 A I		
Shelf Name AAG	Relay Name WA DR		Serial Number L608653		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway 0.0083 A DC		Neutral Pickup 0.0114 A DC		Neutral Wo 0.0114 A		1
Shelf Name AAG	Relay Name WA HR		Serial Number L606170		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 10/04/2005
Neutral Dropaway		Neutral Pickup		Neutral Wo		

		Relay Tests (F	RA 234.263, 236.106)			
Shelf Name AAH	Relay Name R R GPR		Serial Number L607809		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Con 6F-0	itacts 6B	Date Tested 10/04/2005
Neutral Dropaway		Neutral Pickup 0.0103 A DC			tral Working 103 A DC	1
Shelf Name AAH	Relay Name RB GY GPF	3	Serial Number L607811	1	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)			Resistance (Ohms) 400	Con 6F-0	itacts 6B	Date Tested 10/04/2005
Neutral Dropaway		Neutral Pickup 0.0097 A DC		Neu	tral Working	
Shelf Name AAH	Relay Name		Serial Number L608649		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)			Resistance (Ohms) 400	Con 6F-0	tacts	Date Tested 10/04/2005
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0123 A DC		Neu	tral Working 123 A DC	10/04/2000
Shelf Name AAI	Relay Name	0.0120 A DO	Serial Number L891305	0.0	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	-		Resistance (Ohms)	Con 6FE	tacts	Date Tested 10/04/2005
Neutral Dropaway 0.0122 A DC		Neutral Pickup 0.0206 A DC	100	Neu	tral Working 206 A DC	10/04/2005
Shelf Name AAI	Relay Name	0.0200 A DC	Serial Number L908038	0.02	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)			Resistance (Ohms)	Con 6FE	tacts	Date Tested 10/04/2005
Neutral Dropaway 0.0128 A DC		Neutral Pickup 0.0215 A DC	100	Neu	tral Working 215 A DC	10/04/2003
Shelf Name AAI	Relay Name	0.021077.80	Serial Number L908039	0.01	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	-		Resistance (Ohms)	Con 6FE	tacts	Date Tested 10/04/2005
Neutral Dropaway 0.0128 A DC		Neutral Pickup 0.0205 A DC		Neu	tral Working 223 A DC	
Shelf Name AAI	Relay Name	L	Serial Number L908040		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	mber)		Resistance (Ohms) 100	Con 6FE	tacts	Date Tested 10/04/2005
Neutral Dropaway 0.0117 A DC		Neutral Pickup 0.0197 A DC	1		tral Working 197 A DC	I
Shelf Name AAI	Relay Name	1	Serial Number L908031	1	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	mber)		Resistance (Ohms)	Con 6FE	itacts	Date Tested 10/04/2005
Neutral Dropaway 0.0135 A DC		Neutral Pickup 0.0217 A DC			tral Working 217 A DC	I
Shelf Name AAI	Relay Name L AR	L	Serial Number L610875		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Con 6F-0	itacts 6B	Date Tested 10/04/2005
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0108 A DC			t <mark>ral Working</mark> 108 A DC	
Shelf Name AAI	Relay Name RA AR		Serial Number L610850		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Con 6F-0	itacts 6B	Date Tested 10/04/2005
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0112 A DC			tral Working 112 A DC	
Shelf Name AAI	Relay Name RB AR		Serial Number L610872		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Con 6F-0	itacts 6B	Date Tested 10/04/2005
Neutral Dropaway		Neutral Pickup 0.0117 A DC			tral Working 117 A DC	

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 09/24/2007
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left	
Relay Type (Drawing and/or PN-150BL (322510-003)		Resistance (Ohms)	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left N	
Relay Type (Drawing and/or PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left N	
Relay Type (Drawing and/or PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left	
Relay Type (Drawing and/or PN-150BL (322510-003)	Catalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left N	
Relay Type (Drawing and/or PN-250B (322554-701)	Catalog Number)	Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left	
Relay Type (Drawing and/or PN-150P (322508-002)	Catalog Number)	Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tester
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left N	
Relay Type (Drawing and/or PN-150B(322500-701)	r Catalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left	
Relay Type (Drawing and/or PN-150T (N322523-307 /	r Catalog Number) / 4F6)	Resistance (Ohms)	Contacts 2F	Date Tester
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left N	
Relay Type (Drawing and/or PN-150B (322500-701)	Catalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left	
Relay Type (Drawing and/or PN-150B(322500-701)	Catalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left	
Relay Type (Drawing and/or PN-150B(322500-701)	Catalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left N	
Relay Type (Drawing and/or PN-150BD (N322504-701		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R	Date Tester
Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left	
Relay Type (Drawing and/or PN-150BTR (322501-702		Resistance (Ohms)	Contacts 6F-6B	Date Teste

·	Relay Tes	sts (FRA 234.263, 236.106)		
Shelf Name AAD	Relay Name 1-TR	Serial Number L319376	Condition Left	
Relay Type (Drawing and/or Cata PN-150BTR (322501-702)		Resistance (Ohms)	Contacts 6F-6B	Date Tested
Shelf Name AAD	Relay Name THR	Serial Number 3479D01	Condition Left	
Relay Type (Drawing and/or Cata PT-150 (322518-003)		Resistance (Ohms)	Contacts 1F-1CB	Date Tested
Shelf Name AAD	Relay Name TPR	Serial Number L894371	Condition Left	
Relay Type (Drawing and/or Cata		Resistance (Ohms)	Contacts	Date Tested
PN-250B (322554-701) Shelf Name	Relay Name	1000 Serial Number	6FB-6F-3B Condition Left	
AAD Relay Type (Drawing and/or Cata	alog Number)	L893014 Resistance (Ohms)	Contacts	Date Tested
PN-250B (322554-701) Shelf Name	Relay Name	1000 Serial Number	6FB-6F-3B Condition Left	
AAD Relay Type (Drawing and/or Cata	RWČR alog Number)	L894391 Resistance (Ohms)	Contacts	Date Tested
PN-250B (322554-701) Shelf Name	Relay Name	1000 Serial Number	6FB-6F-3B Condition Left	
AAE	W TŔ	L901814	N	
Relay Type (Drawing and/or Cata PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left N	
Relay Type (Drawing and/or Cata PN-150B (322500-701)	alog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left	
Relay Type (Drawing and/or Cata PN-150B (322500-701)	alog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left	
Relay Type (Drawing and/or Cata PP-151 (322516-001)	alog Number)	Resistance (Ohms)	Contacts 6NR	Date Tested 09/24/2007
Polar Normal Pickup 0.0233 A DC	Polar Normal Working 0.0233 A DC	Polar Reverse Pickup	Polar Reverse Workir 0.0216 A DC	
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left	
Relay Type (Drawing and/or Cata PN-150BM (322517-001)		Resistance (Ohms)	Contacts 2FMHD	Date Tested
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left	
Relay Type (Drawing and/or Cata	-	Resistance (Ohms)	Contacts	Date Tested
PN-150SO (322512-002) Shelf Name	Relay Name	0.039 Serial Number	1B-1C Condition Left	
AAF Relay Type (Drawing and/or Cata	WB HR alog Number)	L761594 Resistance (Ohms)	Contacts	Date Tested
PN-150B (322500-701) Shelf Name	Relay Name	400 Serial Number	6F-6B Condition Left	
AAF Relay Type (Drawing and/or Cata	E HR alog Number)	L770091 Resistance (Ohms)	Contacts	Date Tested
PN-150B (322500-701) Shelf Name	Relay Name	400 Serial Number	6F-6B	
AAF Relay Type (Drawing and/or Cata	WBDR	L891534 Resistance (Ohms)	N Contacts	Date Tested
PN-150B (322500-701)	- <i>·</i>	400	6F-6B	Date Testeu
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left	.
Relay Type (Drawing and/or Cata PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left N	
Della Tarre (Della della della della	alog Number)	Resistance (Ohms)	Contacts	Date Tested
Relay Type (Drawing and/or Cata PN-150B (322500-701)		400	6F-6B	
	Relay Name LA GY GPR	400 Serial Number L610869	Condition Left	

Shelf Name AAG	Relay Name L R GPR	Serial Number L610854	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left	1
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left	I
Relay Type (Drawing and/or Ca PN-150B(322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left	I
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 44		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4/		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4/		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4/		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4/		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left	
Relay Type (Drawing and/or Ca PN-150B(322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 09/24/2007
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

	Relay Te	sts (FRA 234.263, 236.106)	
Shelf Name AE	Relay Name LA-LOR	Serial Number L589966	Condition Left NT	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name LB-LOR	Serial Number L589972	Condition Left NT	·
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name RA-LOR	Serial Number L589974	Condition Left NT	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AE	Relay Name RB-LOR	Serial Number L589934	Condition Left NT	
Relay Type (Drawing and/or C PN-150BL (322510-003)	atalog Number)	Resistance (Ohms) 0.3	Contacts 3FB	Date Tested
Shelf Name AH	Relay Name POPR	Serial Number L893033	Condition Left NT	· ·
Relay Type (Drawing and/or C PN-250B (322554-701)	atalog Number)	Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested
Shelf Name AH	Relay Name POR	Serial Number L686594	Condition Left	· · · · · · · · · · · · · · · · · · ·
Relay Type (Drawing and/or C PN-150P (322508-002)	atalog Number)	Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 09/24/2007
Neutral Dropaway 4.5000 V AC	Neutral Picku 8.7000 V AC	p	Neutral Working 8.7000 V AC	·
Shelf Name AAC	Relay Name XMPR	Serial Number L610829	Condition Left NT	
Relay Type (Drawing and/or C PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name TER	Serial Number L894478	Condition Left NT	
Relay Type (Drawing and/or C PN-150T (N322523-307 / 4		Resistance (Ohms)	Contacts 2F	Date Tested
Shelf Name AAC	Relay Name LMR	Serial Number L610853	Condition Left NT	
Relay Type (Drawing and/or C PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name RMR	Serial Number L610852	Condition Left NT	· · · · ·
Relay Type (Drawing and/or C PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name MPR	Serial Number L607814	Condition Left NT	,
Relay Type (Drawing and/or C PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAC	Relay Name WPR	Serial Number L607452	Condition Left NT	
Relay Type (Drawing and/or C PN-150BD (N322504-701-0		Resistance (Ohms) 400	Contacts 3FB-N 3FB-R	Date Tested

	Relay	Tests (FRA 234.263, 236.106)		
Shelf Name AAD	Relay Name 1A-TR	Serial Number L619375	Condition Left	
Relay Type (Drawing and/or Ca PN-150BTR (322501-702)		Resistance (Ohms)	Contacts 6F-6B	Date Tested
Shelf Name AAD	Relay Name	Serial Number L319376	Condition Left	1
Relay Type (Drawing and/or Ca PN-150BTR (322501-702)		Resistance (Ohms)	Contacts 6F-6B	Date Tested
Shelf Name	Relay Name	Serial Number	Condition Left	
AAD Relay Type (Drawing and/or Ca	THR atalog Number)	3479D01 Resistance (Ohms)	NT Contacts	Date Tested
PT-150 (322518-003) Shelf Name	Relay Name	10 Volt Serial Number	1F-1CB Condition Left	
AAD	TPR	L894371	NT	
Relay Type (Drawing and/or Ca PN-250B (322554-701)		Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested
Shelf Name AAD	Relay Name NWCR	Serial Number L893014	Condition Left	
Relay Type (Drawing and/or Ca PN-250B (322554-701)	atalog Number)	Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested
Shelf Name AAD	Relay Name RWCR	Serial Number L894391	Condition Left NT	I
Relay Type (Drawing and/or Ca PN-250B (322554-701)	atalog Number)	Resistance (Ohms) 1000	Contacts 6FB-6F-3B	Date Tested
Shelf Name AAE	Relay Name W TR	Serial Number L901814	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name E TR	Serial Number L700704	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name 2W TR	Serial Number L902490	Condition Left NT	I
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAE	Relay Name WR	Serial Number L896981	Condition Left NT	
Relay Type (Drawing and/or Ca PP-151 (322516-001)	atalog Number)	Resistance (Ohms) 240	Contacts 6NR	Date Tested
Shelf Name AAE	Relay Name WPR	Serial Number L4079303	Condition Left NT	·
Relay Type (Drawing and/or Ca PN-150BM (322517-001)	atalog Number)	Resistance (Ohms) 240	Contacts 2FMHD	Date Tested
Shelf Name AAE	Relay Name OR	Serial Number L905603	Condition Left NT	·
Relay Type (Drawing and/or Ca PN-150SO (322512-002)	atalog Number)	Resistance (Ohms) 0.039	Contacts 1B-1C	Date Tested
Shelf Name AAF	Relay Name WB HR	Serial Number L761594	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAF	Relay Name E HR	Serial Number L770091	Condition Left NT	·
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAF	Relay Name WB DR	Serial Number L891534	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAF	Relay Name E DR	Serial Number L623229	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name LB GY GPR	Serial Number L623208	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name LA GY GPR	Serial Number L610869	Condition Left NT	1
Relay Type (Drawing and/or Ca PN-150B (322500-701)	atalog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested

Shelf Name	Relay Relay	Serial Number	Condition Left	
AAG	L R GPR	L610854	NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name WA DR	Serial Number L608653	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAG	Relay Name WA HR	Serial Number L606170	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name R R GPR	Serial Number L607809	Condition Left	
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name RB GY GPR	Serial Number L607811	Condition Left NT	i
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAH	Relay Name RA GY GPR	Serial Number L608649	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name L RR	Serial Number L891305	Condition Left NT	I
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4A		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name R RR	Serial Number L908038	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4A		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name LA FR	Serial Number L908039	Condition Left NT	I
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4A		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name LB FR	Serial Number L908040	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4A		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name R FR	Serial Number L908031	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (N322500-704 / 4A		Resistance (Ohms) 100	Contacts 6FB	Date Tested
Shelf Name AAI	Relay Name L AR	Serial Number L610875	Condition Left NT	· · · ·
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name RA AR	Serial Number L610850	Condition Left NT	
Relay Type (Drawing and/or Ca PN-150B (322500-701)	talog Number)	Resistance (Ohms) 400	Contacts 6F-6B	Date Tested
Shelf Name AAI	Relay Name RB AR	Serial Number L610872	Condition Left	1
Relay Type (Drawing and/or Ca PN-150B (322500-701)		Resistance (Ohms) 400	Contacts 6F-6B	Date Tested

Division: NEBRASKA	Asset ID: BAANX5D
Subdivision: CRESTON	Test Date: 08/12/2009
Location / Highway Name: Mc Pherson	
County: MONTGOMERY	State: IA
Milepost (with Line Segment): 1 447.50 - 447.50	
Employee's Name: Larry Drake (Idrake)	PARS Number: SINS0199

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		Relay Tests (FR	A 234.263, 236.106)			
Shelf Name AE	e Relay Name Serial Number LA-LOR L589966			Condition Left C			
Relay Type (Drawing and/or Catalog Nu PN-150BL (322510-003)	umber)		Resistance (Ohms) 0.3	Con 3FE	itacts	Date Tested 08/14/2009	
Neutral Dropaway 0.1600 A AC		Neutral Pickup 0.7700 A AC			Neutral Working 0.6280 A AC		
Shelf Name AE	Relay Name		Serial Number L589972	·	Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BL (322510-003)	umber)		Resistance (Ohms) 0.3	Con 3FE	itacts	Date Tested 08/14/2009	
Neutral Dropaway 0.1390 A AC		Neutral Pickup 0.7700 A AC			itral Working 790 A AC		
Shelf Name AE	Relay Name RA-LOR		Serial Number L589974		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BL (322510-003)	umber)		Resistance (Ohms) 0.3	Con 3FE	itacts	Date Tested 08/14/2009	
Neutral Dropaway 0.1420 A AC		Neutral Pickup 0.7700 A AC			itral Working 270 A AC	·	
Shelf Name AE	Relay Name RB-LOR		Serial Number L589934	-	Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150BL (322510-003)			Resistance (Ohms) 0.3	Con 3FE	itacts	Date Tested 08/14/2009	
Neutral Dropaway 0.1400 A AC		Neutral Pickup 0.7700 A AC			Neutral Working 0.6980 A AC		
Shelf Name AH	Relay Name POR		Serial Number L686594		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150P (322508-002)	umber)		Resistance (Ohms) 240		itacts 4BHD	Date Tested 08/14/2009	
Neutral Dropaway 4.9000 V AC		Neutral Pickup 9.9000 V AC		Neutral Working 8.7500 V AC			
Shelf Name AH	Relay Name POPR		Serial Number L893033		Condition Left C		
Relay Type (Drawing and/or Catalog Nu PN-250B (322554-701)	umber)	Resistance (Ohms) 1000			itacts 3-6F-3B	Date Tested 08/14/2009	
Neutral Dropaway 0.0080 A DC		Neutral Pickup 0.0114 A DC			i tral Working 112 A DC		
Shelf Name AAC	Relay Name XMPR		Serial Number L610829		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	umber)		Resistance (Ohms) 400	Con 6F-	itacts 6B	Date Tested 08/14/2009	
Neutral Dropaway 0.0060 A DC		Neutral Pickup 0.0132 A DC			Neutral Working 0.0117 A DC		
Shelf Name AAC	Relay Name TER		Serial Number L894478		Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150T (N322523-307 / 4F6)			Resistance (Ohms)	Con 2F	itacts	Date Tested 08/12/2009	
Shelf Name AAC	Relay Name		Serial Number L610853		Condition Left		
Relay Type (Drawing and/or Catalog No PN-150B (322500-701)	umber)		Resistance (Ohms) 400	Con 6F-	itacts 6B	Date Tested 08/12/2009	
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC			itral Working 119 A DC		

		Relay Tests	(FRA 234.263, 236.106)	
Shelf Name AAC	Relay Name RMR		Serial Number L610852	Condition Left C
Relay Type (Drawing and/or Catalog PN-150B (322500-701)			Resistance (Ohms) 400	Contacts Date Tester 6F-6B 08/12/2009
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0132 A DC	I	Neutral Working 0.0119 A DC
Shelf Name	Relay Name		Serial Number	Condition Left
AAC Relay Type (Drawing and/or Catalog	MPR Number)		L607814 Resistance (Ohms)	C Date Tester
PN-150B (322500-701)		Noutral Diskup	400	6F-6B 08/12/2009
Neutral Dropaway 0.0057 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0103 A DC
Shelf Name AAC	Relay Name WPR		Serial Number L607452	Condition Left
Relay Type (Drawing and/or Catalog PN-150BD (N322504-701-001 / 4)			Resistance (Ohms) 400	ContactsDate Tester3FB-N 3FB-R08/14/2009
Neutral Dropaway 0.0052 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0115 A DC
Shelf Name AAD	Relay Name		Serial Number L619375	Condition Left
Relay Type (Drawing and/or Catalog PN-150BTR (322501-702)			Resistance (Ohms)	Contacts Date Tester 6F-6B 08/12/2009
Neutral Dropaway 0.0760 A DC		Neutral Pickup 0.1300 A DC		Neutral Working 0.1240 A DC
Shelf Name	Relay Name		Serial Number	Condition Left
AAD Relay Type (Drawing and/or Catalog	1-TR Number)		L319376 Resistance (Ohms)	C Date Tester
PN-150BTR (322501-702)		Neutral Dislam	4	6F-6B 08/12/2009
Neutral Dropaway 0.0820 A DC		Neutral Pickup 0.1300 A DC		Neutral Working 0.1180 A DC
Shelf Name AAD	Relay Name THR		Serial Number 3479D01	Condition Left V
Relay Type (Drawing and/or Catalog PT-150 (322518-003)			Resistance (Ohms) 10 Volt	ContactsDate Tested1F-1CB08/12/2009
Shelf Name AAD	Relay Name TPR		Serial Number L894371	Condition Left C
Relay Type (Drawing and/or Catalog PN-250B (322554-701)	Number)		Resistance (Ohms) 1000	Contacts Date Tester 6FB-6F-3B 08/12/2009
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0114 A DC	I	Neutral Working 0.0112 A DC
Shelf Name AAD	Relay Name NWCR		Serial Number L893014	Condition Left
Relay Type (Drawing and/or Catalog PN-250B (322554-701)	Number)		Resistance (Ohms) 1000	Contacts Date Tester 6FB-6F-3B 08/12/2009
Neutral Dropaway 0.0077 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0106 A DC
Shelf Name AAD	Relay Name RWCR		Serial Number L894391	Condition Left C
Relay Type (Drawing and/or Catalog PN-250B (322554-701)	Number)		Resistance (Ohms)	Contacts Date Tested 6FB-6F-3B 08/12/2009
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0114 A DC		Neutral Working 0.0112 A DC
Shelf Name AAE	Relay Name W TR	0.0114 A DC	Serial Number L901814	Condition Left
Relay Type (Drawing and/or Catalog PN-150B (322500-701)			Resistance (Ohms) 400	Contacts Date Tester 6F-6B 08/12/2009
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0106 A DC
Shelf Name AAE	Relay Name E TR		Serial Number L700704	Condition Left C
Relay Type (Drawing and/or Catalog PN-150B (322500-701)	Number)		Resistance (Ohms) 400	ContactsDate Tester6F-6B08/12/2009
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0132 A DC		Neutral Working 0.0108 A DC
Shelf Name	Relay Name		Serial Number	Condition Left
Relay Type (Drawing and/or Catalog			Resistance (Ohms)	Contacts Date Tester
Neutral Dropaway		Neutral Pickup		Neutral Working
Shelf Name AAE Relay Type (Drawing and/or Catalog PN-150B (322500-701)	2W ŤR		L902490	Condition Left C Contacts 6F-6B

		Relay Tests	(FRA 234.263, 236.106)			
Shelf Name AAE	Relay Name WR	•	Serial Number Condition Left L896981 C			
Relay Type (Drawing and/or Catal PP-151 (322516-001)			Resistance (Ohms) 240	ce (Ohms) Contacts 6NR		Date Tested 08/12/2009
Polar Normal Pickup 0.0253 A DC	Polar Norma 0.0208 A D		Polar Reverse Pickup 0.0253 A DC		Polar Reverse 0.0227 A DC	Working
Shelf Name AAE	Relay Name WPR	•	Serial Number L4079303	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150BM (322517-001)	og Number)		Resistance (Ohms) 240	Contacts 2FMHD		Date Tested 08/12/2009
Neutral Dropaway 0.0127 A DC		Neutral Pickup 0.0209 A DC		Neutral Wo 0.0208 A		
Shelf Name AAE	Relay Name OR	•	Serial Number L905603	Cond	ition Left	
Relay Type (Drawing and/or Catal PN-150SO (322512-002)	-		Resistance (Ohms) 0.039	Contacts 1B-1C		Date Tested 08/12/2009
Shelf Name AAF	Relay Name E DR		Serial Number L623229		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0069 A DC		Neutral Pickup 0.0132 A DC	-100	Neutral Wo 0.0113 A [00,12,2000
Shelf Name AAF	Relay Name E HR		Serial Number L770091		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0074 A DC		Neutral Pickup 0.0132 A DC	1	Neutral Wo 0.0122 A [I
Shelf Name AAF	Relay Name WB DR		Serial Number L891534	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	og Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0065 A DC		Neutral Pickup 0.0132 A DC	I	Neutral Wo 0.0109 A [I
Shelf Name AAF	Relay Name WB HR	2	Serial Number L761594	Cond	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	og Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0075 A DC		Neutral Pickup 0.0132 A DC	I	Neutral Wo 0.0122 A [I
Shelf Name AAG	Relay Name		Serial Number L623208	Cond	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	og Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0132 A DC		Neutral Wo		
Shelf Name AAG	Relay Name	ļ.	Serial Number L610869	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0071 A DC		Neutral Pickup 0.0132 A DC		Neutral Wo 0.0119 A		I
Shelf Name AAG	Relay Name		Serial Number L610854		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC		Neutral Wo 0.0114 A [
Shelf Name AAG	Relay Name WA DR		Serial Number L608653	Cond C	ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)	og Number)		Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC		Neutral Wo 0.0125 A [1
Shelf Name AAG	Relay Name WA HR		Serial Number L606170		ition Left	
Relay Type (Drawing and/or Catal PN-150B (322500-701)			Resistance (Ohms) 400	Contacts 6F-6B		Date Tested 08/12/2009
PN-150B (322500-701) Neutral Dropaway 0.0067 A DC		Neutral Pickup		Neutral Wo	ul cine au	1

		Relay Tests (FI	RA 234.263, 236.106)				
Shelf Name AAH	Relay Name RA GY GPF	3	Serial Number L608649		Condition Left C		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Cont 6F-6	tacts SB	Date Tested 08/12/2009	
Neutral Dropaway 0.0073 A DC		Neutral Pickup 0.0132 A DC			tral Working 27 A DC		
Shelf Name AAH	Relay Name RB GY GPF	Revision Serial Number			Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150B (322500-701)			Resistance (Ohms) 400	Cont 6F-6	tacts BB	Date Tested 08/12/2009	
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0132 A DC			tral Working 03 A DC		
Shelf Name AAH	Relay Name	I	Serial Number L607809		Condition Left C		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Cont 6F-6	tacts	Date Tested 08/12/2009	
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0132 A DC		Neut	tral Working 08 A DC		
Shelf Name AAI	Relay Name		Serial Number L891305	0.01	Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)			Resistance (Ohms)	Cont 6FB	tacts	Date Tested 08/12/2009	
Neutral Dropaway 0.0104 A DC		Neutral Pickup 0.0264 A DC		Neut	tral Working	00/12/2009	
Shelf Name AAI	Relay Name R RR	0.0204 A DO	Serial Number L908038	0.02	Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)			Resistance (Ohms)	Cont 6FB	tacts	Date Tested 08/12/2009	
Neutral Dropaway		Neutral Pickup 0.0264 A DC		Neut	tral Working 218 A DC	00/12/2003	
Shelf Name AAI	Relay Name	0.02047720	Serial Number L908039	0.02	Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-704 / 4A1)			Resistance (Ohms)	Cont 6FB	tacts	Date Tested 08/12/2009	
Neutral Dropaway 0.0115 A DC		Neutral Pickup 0.0264 A DC		Neut	tral Working 212 A DC		
Shelf Name AAI	Relay Name	I	Serial Number L908040		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	mber)		Resistance (Ohms) 100	Cont 6FB	tacts	Date Tested 08/12/2009	
Neutral Dropaway 0.0111 A DC		Neutral Pickup 0.0264 A DC	I		Neutral Working 0.0212 A DC		
Shelf Name AAI	Relay Name	1	Serial Number L908031	I	Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-704 / 4A1)	mber)		Resistance (Ohms)	Cont 6FB	tacts	Date Tested 08/12/2009	
Neutral Dropaway 0.0123 A DC		Neutral Pickup 0.0264 A DC			tral Working 225 A DC		
Shelf Name AAI	Relay Name L AR	I	Serial Number L610875		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Cont 6F-6	tacts 5B	Date Tested 08/12/2009	
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0132 A DC			tral Working 11 A DC	I	
Shelf Name AAI	Relay Name RA AR		Serial Number L610850		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Cont 6F-6	tacts B	Date Tested 08/12/2009	
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0132 A DC			tral Working 15 A DC		
Shelf Name AAI	Relay Name RB AR		Serial Number L610872		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (322500-701)	mber)		Resistance (Ohms) 400	Cont 6F-6	tacts SB	Date Tested 08/12/2009	
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0132 A DC			tral Working 19 A DC	1	

Division: NEBRASKA	Asset ID: BAAN2WW
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: EAST EMERSON HT SWCC M2	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.70 - 451.70	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
NOTE: This test was sent in an inordinate amount of time after the date on which it was performe want to check into paper records for more accurate information about this test, or contact RailDC this is not correct.	d. As such, this is likely a startup test. You may CS Support at CompProb@RailDOCS.net if you think

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		Relay Tests (FF	RA 234.263, 236.106)		
Shelf Name 1	Relay Name O TR		Serial Number L782283	Condition Left	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0109 A DC		Neutral Working 0.0109 A DC	
Shelf Name 1	Relay Name 1T NWLPP	R	Serial Number L607855	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	imber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0109 A DC		Neutral Working 0.0109 A DC	
Shelf Name 1	Relay Name 1T NWLPR		Serial Number L701777	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	ımber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0098 A DC		Neutral Working 0.0098 A DC	
Shelf Name 1	Relay Name WLB		Serial Number L689241	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	imber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 07/14/2004
Neutral Dropaway 0.0063 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC	
Shelf Name 1	Relay Name		Serial Number L705726	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702)	imber)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 07/14/2004
Neutral Dropaway 0.0800 A DC		Neutral Pickup 0.1140 A DC		Neutral Working 0.1140 A DC	
Shelf Name 1	Relay Name TER		Serial Number 44401P040	Condition Left V	
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)			Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 07/14/2004
Shelf Name 1	Relay Name WL		Serial Number 1746	Condition Left	
Relay Type (Drawing and/or Catalog Nu 9B	ımber)		Resistance (Ohms) 200	Contacts	Date Tested 07/14/2004
Neutral Dropaway 0.0048 A DC		Neutral Pickup 0.0249 A DC		Neutral Working 0.0249 A DC	

Division: NEBRASKA	Asset ID: BAAN2WW
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: EAST EMERSON HT SWCC M2	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.70 - 451.70	
Employee's Name: Larry Drake (Idrake)	PARS Number: SINS0199
Conditions Master Key	

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Relay Tests (FRA 234.263, 236.106)							
Shelf Name 1	Relay Name O TR		Serial Number L782283	Condition Left			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008		
Neutral Dropaway 0.0055 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0124 A DC			
Shelf Name 1	Shelf Name Relay Name 1 1T NWLPPR		Serial Number L607855	Condition Left C			
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008		
Neutral Dropaway 0.0055 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0117 A DC			
Shelf Name 1	Relay Name 1T NWLPR		Serial Number L701777	Condition Left			
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008		
Neutral Dropaway 0.0066 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0132 A DC			
Shelf Name 1	e Relay Name WLB		Serial Number L689241	Condition Left			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008		
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0115 A DC			
Shelf Name 1	Relay Name		Serial Number L705726	Condition Left			
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702)	umber)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 06/19/2008		
Neutral Dropaway 0.0750 A DC		Neutral Pickup 0.1441 A DC		Neutral Working 0.1125 A DC			
Shelf Name 1	Relay Name TER		Serial Number 44401P040	Condition Left V			
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)			Resistance (Ohms)	Contacts 2FB-3F-2B	Date Tested 06/19/2008		
Shelf Name Relay Name 1 WL			Serial Number 1746	Condition Left C			
Relay Type (Drawing and/or Catalog No. 9B	umber)		Resistance (Ohms) 200	Contacts	Date Tested 06/19/2008		
Neutral Dropaway 0.0029 A DC		Neutral Pickup 0.0310 A DC			Neutral Working 0.0300 A DC		

BNSF Inspection Report - Relay Test	s & Inspections
Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
NOTE: This test was sent in an inordinate amount of time after the date on which it was want to check into paper records for more accurate information about this test, or conta this is not correct.	s performed. As such, this is likely a startup test. You may act RailDOCS Support at CompProb@RailDOCS.net if you think

Relay Tests (FRA 234.263, 236.106)							
Shelf Name DB	Relay Name POR		Serial Number Condition Left V		Condition Left V		
Relay Type (Drawing and/or Catalog Nu PN-150P (322508-702-002)	mber)		Resistance (Ohms) 240		tacts 4BHD	Date Tested 07/14/2004	
Shelf Name DB	Relay Name XR		Serial Number B0585159		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/14/2004	
		Neutral Pickup 0.0115 A DC			tral Working 15 A DC		
Shelf Name DB	Relay Name XRP		Serial Number 0481C60		Condition Left C		
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)			Resistance (Ohms) 400	Contacts 4FB HD 2FB STD		Date Tested 07/14/2004	
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0103 A DC			tral Working 03 A DC	·	
Shelf Name DC	Relay Name		Serial Number L891420		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702)	mber)		Resistance (Ohms) 4	Con 6F-6	tacts 6B	Date Tested 07/14/2004	
Neutral Dropaway 0.0720 A DC		Neutral Pickup 0.1060 A DC			tral Working 060 A DC		
Shelf Name DC	Relay Name XGR		Serial Number 4484412		Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322562-001)			Resistance (Ohms) 225			Date Tested 07/14/2004	
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0211 A DC			tral Working 211 A DC	·	
Shelf Name DD	Relay Name EOR		Serial Number 500642		Condition Left V		
Relay Type (Drawing and/or Catalog Nu ST (400700 / 400700)	mber)		Resistance (Ohms) 60	Con 4FB	tacts	Date Tested 07/14/2004	

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 07/31/2007
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
Conditions Master Key	

		Relay Tests (FRA 234.263, 236.106	5)			
Shelf Name DB	Relay Name POR	!	Serial Number 2680287				
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)			Resistance (Ohms) 240		tacts IBHD	Date Tested 07/31/2007	
Neutral Dropaway 8.6300 V AC		Neutral Pickup 9.8900 V AC		Neutra 9.890			
Shelf Name DB	Relay Name XR		Serial Number Condition Left B0585159 NT				
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Cont 6FB		Date Tested	
Shelf Name DB	Relay Name XRP	1	Serial Number 0481C60				
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)			Resistance (Ohms) 400		tacts HD 2FB STD	Date Tested	
Shelf Name DC	Relay Name TR	1	Serial Number L891420	er Condition Le			
Relay Type (Drawing and/or Cata PN-150BTR (322501-702)	alog Number)		Resistance (Ohms) 4	Cont 6F-6		Date Tested	
Shelf Name DC	Relay Name XGR	!	Serial Number 4484412		Condition Left NT		
Relay Type (Drawing and/or Cata PN-259BSR (322562-001)	alog Number)		Resistance (Ohms) 225	Cont 6FB		Date Tested	
Shelf Name DD	Relay Name EOR	!	Serial Number 500642		Condition Left	1	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)			Resistance (Ohms) 60	Cont 4FB		Date Tested 07/31/2007	
Neutral Dropaway 0.0280 A DC		Neutral Pickup 0.0720 A DC			t ral Working '20 A DC		

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 08/07/2007
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
Conditiona Mastar Kay	

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	Relay Test	s (FRA 234.263, 236.106))		
Shelf Name	Relay Name	Serial Number	Condition Left		
DC	TR	L891420	NT		
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts	Date Tested	
PN-150BTR (322501-702)		4	6F-6B		
Shelf Name	Relay Name	Serial Number	Condition Left		
DC	XGR	4484412	NT		
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts	Date Tested	
PN-259BSR (322562-001)		225	6FB		
Shelf Name	Relay Name	Serial Number			
DB	POR	2680287			
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts	Date Tested	
PN-150P (322508-702-002)		240	4F-4BHD		
Shelf Name	Relay Name	Serial Number	Condition Left	·	
DB	XR	B0585159	NT		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	imber)	Resistance (Ohms) 400	Contacts 6FB	Date Tested	
Shelf Name	Relay Name	Serial Number			
DB	XRP	0481C60			
Relay Type (Drawing and/or Catalog Nu PN-150HD (N322505-701-001 / 4A1		Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested	
Shelf Name DB	Relay Name EOR	Serial Number 38249100	Condition Left	·	
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms)	Contacts	Date Tested	
B1 (56001-985 GR.1 / A62-671)		60	4FB	08/07/2007	
Neutral Dropaway Neutral Pickup 0.0380 A DC 0.0930 A DC			Neutral Working 0.0930 A DC		

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Drake (Idrake)	PARS Number: SINS0199
Conditions Master Kov	

		Relay Tests (I	FRA 234.263, 236.106)		
Shelf Name DB	Relay Name POR	1	Serial Number 2680287	Condition Left	eft	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-702-002)			Resistance (Ohms) 240	Contacts 4F-4BHD	Date Tested 06/19/2008	
Neutral Dropaway 4.4110 V AC		Neutral Pickup 9.9000 V AC	Neutral Working 9.8237 V AC			
Shelf Name DB	Relay Name XR		Serial Number B0585159	Condition Left		
Relay Type (Drawing and/or C PN-150B (N322500-701 / 4			Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008	
		Neutral Pickup 0.0145 A DC		Neutral Working 0.0127 A DC		
Shelf Name DB	Relay Name XRP		Serial Number 0481C60			
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)			Resistance (Ohms) 400	Contacts 4FB HD 2FB STD	Date Tested 06/19/2008	
Neutral Dropaway Neutral Pickup 0.0054 A DC 0.0145 A DC			Neutral Working 0.0116 A DC		·	
Shelf Name DC	Relay Name XGR		Serial Number 4484412	Condition Left C		
Relay Type (Drawing and/or C PN-259BSR (322562-001)	atalog Number)		Resistance (Ohms) 225	Contacts 6FB	Date Tested 06/19/2008	
Neutral Dropaway 0.0067 A DC		Neutral Pickup 0.0244 A DC		Neutral Working 0.0241 A DC		
Shelf Name DC	Relay Name TR	2	Serial Number L891420	Condition Left C		
Relay Type (Drawing and/or C PN-150BTR (322501-702)	atalog Number)		Resistance (Ohms) 4	Contacts 6F-6B	Date Tested 06/19/2008	
Neutral DropawayNeutral Pickup0.0690 A DC0.1441 A DC				Neutral Working 0.1300 A DC		
Shelf Name DD	Relay Name EOR		Serial Number 500642	Condition Left C		
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)			Resistance (Ohms) 60	Contacts 4FB	Date Tested 06/19/2008	
Neutral Dropaway 0.0219 A DC		Neutral Pickup 0.0770 A DC		Neutral Working 0.0764 A DC		

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 11/04/2010
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Cassity (Icassity)	PARS Number: SINS0199
Conditions Master Key	

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		Relay Tests (FRA	A 234.263, 236.106)		
Shelf Name DB	Relay Name XR		Serial Number B0585159		Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested	
Shelf Name DB	Relay Name XRP		Serial Number 0481C60		Condition Left NT	
Relay Type (Drawing and/or Catalog Nu PN-150HD (N322505-701-001 / 4A1			Resistance (Ohms) 400		tacts HD 2FB STD	Date Tested
Shelf Name DB	Relay Name POR				Condition Left C	
Relay Type (Drawing and/or Catalog Number) PN-150P (322508-002)					tacts 4BHD	Date Tested 11/04/2010
		Neutral Pickup 9.2000 V AC	Neutral Working 9.2000 V AC			
Shelf Name DC	Relay Name XGR		Serial Number 4484412		Condition Left NT	
Relay Type (Drawing and/or Catalog Nu PN-259BSR (322562-001)	mber)		Resistance (Ohms)Con2256FB		tacts	Date Tested
Shelf Name DC	Relay Name TR		Serial Number L891420		Condition Left NT	
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702)	mber)		Resistance (Ohms) 4	Con 6F-6	tacts BB	Date Tested
Shelf Name DD	Relay Name EOR		Serial Number Condition Left 500642 NT			
Relay Type (Drawing and/or Catalog Number)		Resistance (Ohms) 60	Con 4FB	tacts	Date Tested	

Division: NEBRASKA	Asset ID: 095256R
Subdivision: CRESTON	Test Date: 11/15/2010
Location / Highway Name: HARRIS ST	
County: MILLS	State: IA
Milepost (with Line Segment): 1 451.95 - 451.95	
Employee's Name: Larry Cassity (Icassity)	PARS Number: SINS0199
Conditions Master Key C = Test completed, condition left in compliance.	

		Relay Tests (I	FRA 234.263, 236.106	5)		
Shelf Name DB	Relay Name POR		Serial Number Condition Left 9508584 C			
Relay Type (Drawing and/or Catalog Number) ST (400800 / 400800)		Resistance (Ohms) 100/100	Cont 6FB		Date Tested 11/15/2010	
Neutral Dropaway 7.2000 V AC		Neutral Pickup 9.0000 V AC		Neutral Working 9.0000 V AC		
Shelf Name DB	Relay Name XR		Serial Number 56383R129	Condition Left C		
Relay Type (Drawing and/or Catalo B1 (56001-783 GR.2 / A62-277)	g Number)		Resistance (Ohms) 500	Cont 4FB-	acts -2F-1B	Date Tested 11/15/2010
Neutral DropawayNeutral Pickup0.0070 A DC0.0109 A DC		Neutral Pickup 0.0109 A DC			ral Working 09 A DC	
Shelf Name DB	Relay Name EOR		Serial Number 500642		Condition Left	
Relay Type (Drawing and/or Catalog Number) ST (400700 / 400700)			Resistance (Ohms) 60	Cont 4FB	acts	Date Tested 11/17/2010
Neutral Dropaway Neutral Pickup 0.0406 A DC 0.0707 A DC					Neutral Working 0.0707 A DC	
Shelf Name DB	Relay Name XRP		Serial Number 9610162	Condition Left		
Relay Type (Drawing and/or Catalo ST (400021 / 400021)	og Number)		Resistance (Ohms) 200	Contacts 2B HD, 2FB		Date Tested 11/15/2010
Neutral Dropaway 0.0070 A DC		Neutral Pickup 0.0181 A DC			ral Working 81 A DC	
Shelf Name DB	Relay Name XGR		Serial Number 735309		Condition Left	
Relay Type (Drawing and/or Catalo B1 (56001-774 GR.1 / A62-360)			Resistance (Ohms) 194	Cont 4FB	acts	Date Tested 11/15/2010
Neutral DropawayNeutral Pickup0.0054 A DC0.0276 A DC					ral Working 76 A DC	
Shelf Name DB	Relay Name ISL TR		Serial Number 9803987		Condition Left	
Relay Type (Drawing and/or Catalog Number) ST (400510 / 400510)			Resistance (Ohms) 2	Cont 4FB-	acts -2F-1B	Date Tested 11/15/2010
Neutral Dropaway 0.0847 A DC		Neutral Pickup 0.1637 A DC			ral Working 37 A DC	

Division: NEBRASKA	Asset ID: BAAN20S
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: CABINET WEST HT EMERSON	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.10 - 452.10	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
NOTE: This test was sent in an inordinate amount of time after the date on which it was performe want to check into paper records for more accurate information about this test, or contact RailDC this is not correct.	d. As such, this is likely a startup test. You may CS Support at CompProb@RailDOCS.net if you think

		Relay Tests (Fl	RA 234.263, 236.106)			
Shelf Name 1	Relay Name O TR		Serial Number L610905				
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Con 6FB	tacts		ate Tested 7/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0119 A DC			tral Working 119 A DC	·	
Shelf Name 1	Relay Name 1 NWLPR		Serial Number L891538		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Con 6FB	tacts		ate Tested 7/14/2004
		Neutral Pickup 0.0103 A DC			tral Working 103 A DC	·	
Shelf Name 1	Relay Name 1T NWLPR		Serial Number L70138		Condition Left		
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)			Resistance (Ohms) 400	Con 6FB	tacts		ate Tested 7/14/2004
Neutral Dropaway 0.0058 A DC		Neutral Pickup 0.0103 A DC			tral Working 103 A DC	·	
Shelf Name 1	Relay Name 1 TR		Serial Number L869608		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702)	umber)		Resistance (Ohms) 4	Con 6F-6	tacts 6B		ate Tested 7/14/2004
Neutral Dropaway 0.0600 A DC		Neutral Pickup 0.1130 A DC			tral Working 130 A DC		
Shelf Name 1	Relay Name TER		Serial Number 444011P034		Condition Left		
Relay Type (Drawing and/or Catalog Number) B2 (50800-101 GR.1 / A62-691)			Resistance (Ohms)		tacts 3-3F-2B		ate Tested 7/14/2004
Shelf Name 1	Relay Name WL		Serial Number M79007		Condition Left	·	
Relay Type (Drawing and/or Catalog No 9B	umber)		Resistance (Ohms) 200	Con	tacts		ate Tested 7/14/2004
Neutral Dropaway 0.0038 A DC		Neutral Pickup 0.0279 A DC			tral Working 279 A DC		

Division: NEBRASKA	Asset ID: BAAN20S
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: CABINET WEST HT EMERSON	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.10 - 452.10	
Employee's Name: Larry Drake (Idrake)	PARS Number: SINS0199
Conditions Master Key	

		Relay Tests (F	RA 234.263, 236.106)	
Shelf Name 1	Relay Name O TR		Serial Number L610905	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	imber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
		Neutral Pickup 0.0144 A DC		Neutral Working 0.0132 A DC	
Shelf Name 1	Relay Name 1 NWLPR		Serial Number L891538	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway 0.0062 A DC		Neutral Pickup 0.0145 A DC		Neutral Working 0.0112 A DC	
Shelf Name Relay Name 1 1T NWLPR			Serial Number L70138	Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	umber)		Resistance (Ohms) 400	Contacts 6FB	Date Tested 06/19/2008
Neutral Dropaway		Neutral Pickup	-	Neutral Working	
0.0060 A DC		0.0145 A DC		0.0124 A DC	
	Relay Name 1 TR	0.0145 A DC	Serial Number L869608		
0.0060 A DC	1 TR	0.0145 A DC		0.0124 A DC Condition Left	Date Tested 06/19/2008
0.0060 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog No	1 TR	0.0145 A DC	L869608 Resistance (Ohms)	0.0124 A DC Condition Left C Contacts	
0.0060 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702) Neutral Dropaway	1 TR	0.0145 A DC Neutral Pickup 0.1441 A DC	L869608 Resistance (Ohms)	0.0124 A DC Condition Left C Contacts 6F-6B Neutral Working	
0.0060 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog No PN-150BTR (322501-702) Neutral Dropaway 0.0587 A DC	1 TŘ umber) Relay Name TER	0.0145 A DC Neutral Pickup 0.1441 A DC	L869608 Resistance (Ohms) 4 Serial Number	0.0124 A DC Condition Left C Contacts 6F-6B Neutral Working 0.1150 A DC	
0.0060 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702) Neutral Dropaway 0.0587 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog Nu	1 TŘ umber) Relay Name TER	0.0145 A DC Neutral Pickup 0.1441 A DC	L869608 Resistance (Ohms) 4 Serial Number 444011P034	0.0124 A DC Condition Left C Contacts 6F-6B Neutral Working 0.1150 A DC Condition Left V Contacts	06/19/2008
0.0060 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog Nu PN-150BTR (322501-702) Neutral Dropaway 0.0587 A DC Shelf Name 1 Relay Type (Drawing and/or Catalog Nu B2 (50800-101 GR.1 / A62-691)	1 TŘ umber) TER umber) Relay Name WL	0.0145 A DC Neutral Pickup 0.1441 A DC	L869608 Resistance (Ohms) 4 Serial Number 444011P034 Resistance (Ohms) Serial Number	0.0124 A DC Condition Left C Contacts 6F-6B Neutral Working 0.1150 A DC Condition Left V Contacts 2FB-3F-2B Condition Left	06/19/2008

BNSF Inspection Report - Relay Tests	s & Inspections
Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
NOTE: This test was sent in an inordinate amount of time after the date on which it was want to check into paper records for more accurate information about this test, or contact this is not correct.	performed. As such, this is likely a startup test. You may ct RailDOCS Support at CompProb@RailDOCS.net if you think

		Relay Tests (F	RA 234.263, 236.106	i)			
Shelf Name DB	Relay Name EOR		Serial Number L872069		Condition Left		
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)		Resistance (Ohms) 87.5 / 87.5		tacts ? (1 Control)	Date Tested 07/14/2004		
Shelf Name DB	Relay Name		Serial Number L766955		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested 07/14/2004	
		Neutral Pickup 0.0113 A DC		Neutral Working 0.0113 A DC			
Shelf Name DB	Relay Name POR		Serial Number L615239		Condition Left V		
Relay Type (Drawing and/or Catalog Nu PN-150P (322508-002)	mber)		Resistance (Ohms) 240		tacts 4BHD	Date Tested 07/14/2004	
Shelf Name DC	Relay Name XRP		Serial Number L780266		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-150HD (N322505-701-001 / 4A1			Resistance (Ohms) 400		tacts HD 2FB STD	Date Tested 07/14/2004	
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0113 A DC			tral Working 13 A DC		
Shelf Name DC	Relay Name XGR		Serial Number L747392		Condition Left		
Relay Type (Drawing and/or Catalog Nu PN-259BSR (322552-701)	mber)		Resistance (Ohms) 350	Con 6F-6	tacts 6B	Date Tested 07/14/2004	
Neutral Dropaway 0.0059 A DC		Neutral Pickup 0.0204 A DC			tral Working 204 A DC	·	

Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 07/31/2007
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199

		Relay Tests (FRA 234.263, 236.106	j)		
Shelf Name DB	Relay Name EOR		Serial Number L872069			
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)		Resistance (Ohms) 87.5 / 87.5	Contacts 4NR (1 Control)		Date Tested 07/31/2007	
Neutral DropawayNeutral Pickup0.00004.7000 V DC			Neutral Working 4.7000 V DC			
Shelf Name DB	Relay Name XR		Serial Number L766955			
Relay Type (Drawing and/or Catalog Number) PN-150B (N322500-701 / 4A1)		Resistance (Ohms) 400	Con 6FB	tacts	Date Tested	
Shelf Name DB	Relay Name POR		Serial Number L615239	Condition Left C		
Relay Type (Drawing and/or Catalog PN-150P (322508-002)	g Number)		Resistance (Ohms) 240	Contacts 4F-4BHD		Date Tested 07/31/2007
Neutral Dropaway 7.7800 V AC		Neutral Pickup 9.8800 V AC			tral Working 800 V AC	·
Shelf Name DC	Relay Name XRP		Serial Number L780266		Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-150HD (N322505-701-001 / 4A1)		Resistance (Ohms) 400		tacts HD 2FB STD	Date Tested	
Shelf Name DC	Name Relay Name XGR		Serial Number L747392		Condition Left NT	
Relay Type (Drawing and/or Catalog Number) PN-259BSR (322552-701)		Resistance (Ohms) 350	Con 6F-6	tacts BB	Date Tested	

Division: NEBRASKA	Asset ID: 095257X
Subdivision: CRESTON	Test Date: 06/19/2008
Location / Highway Name: CO RD	
County: MILLS	State: IA
Milepost (with Line Segment): 1 452.88 - 452.88	
Employee's Name: Larry Drake (Idrake)	PARS Number: SINS0199

		Relay Tests (F	FRA 234.263, 236.106)		
Shelf Name DB	Relay Name EOR		Serial Number L872069			
Relay Type (Drawing and/or Catalog Number) PF-256 (UN322561-001)			Resistance (Ohms) 87.5 / 87.5		ntacts R (1 Control)	Date Tested 06/19/2008
Neutral Dropaway 0.0320 V DC		Neutral Pickup 0.0770 V DC			tral Working 740 V DC	
Shelf Name DB	Relay Name		Serial Number L766955		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150B (N322500-701 / 4A1)	mber)		Resistance (Ohms) 400	Con 6FE	itacts	Date Tested 06/19/2008
		Neutral Pickup 0.0145 A DC			t ral Working 113 A DC	
Shelf Name DB	Relay Name POR		Serial Number L615239		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150P (322508-002)	mber)		Resistance (Ohms) 240	Contacts 4F-4BHD		Date Tested 06/19/2008
Neutral Dropaway 4.4280 V AC		Neutral Pickup 9.9000 V AC			tral Working 570 V AC	
Shelf Name DC	Relay Name XGR		Serial Number L747392		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-259BSR (322552-701)	mber)		Resistance (Ohms) 350	Con 6F-	itacts 6B	Date Tested 06/19/2008
Neutral Dropaway 0.0047 A DC		Neutral Pickup 0.0145 A DC			tral Working 141 A DC	
Shelf Name DC	Relay Name XRP		Serial Number L780266		Condition Left	
Relay Type (Drawing and/or Catalog Nu PN-150HD (N322505-701-001 / 4A1			Resistance (Ohms) 400		itacts 3 HD 2FB STD	Date Tested 06/19/2008
Neutral Dropaway 0.0056 A DC		Neutral Pickup 0.0145 A DC			i tral Working 131 A DC	

BNSF Inspection Report - Relay Tests &	Inspections
Division: NEBRASKA	Asset ID: BAANK1N
Subdivision: CRESTON	Test Date: 07/14/2004
Location / Highway Name: DBL XO 453.5	
County: MILLS	State: IA
Milepost (with Line Segment): 1 453.50 - 453.50	
Employee's Name: Tom Foxworthy (foxworth)	PARS Number: SINS0199
NOTE: This test was sent in an inordinate amount of time after the date on which it was perfor want to check into paper records for more accurate information about this test, or contact Raill this is not correct.	med. As such, this is likely a startup test. You may DOCS Support at CompProb@RailDOCS.net if you think

		Relay Tests (FRA	234.263, 236.106)			
Shelf Name 1A	Relay Name 1 OSTR		Serial Number 47830R004		Condition Left C	
Relay Type (Drawing and/or Catalog Nu B1 (56001-921 GR.9 / A62-120)	mber)		Resistance (Ohms) 2		Contacts Date 4FB-2F-1B 07/1	
Neutral Dropaway 0.0940 A DC		Neutral Pickup 0.1380 A DC			tral Working 880 A DC	
Shelf Name 1A	Relay Name 2 OSTR		Serial Number 47830R019		Condition Left	
Relay Type (Drawing and/or Catalog Nu B1 (56001-921 GR.9 / A62-120)	mber)		Resistance (Ohms) 2		tacts I-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0730 A DC		Neutral Pickup 0.1390 A DC			tral Working 390 A DC	•
Shelf Name 1A	Relay Name 1 VSTOP		Serial Number 47824P018	-	Condition Left C	
Relay Type (Drawing and/or Catalog Nu B1 (56001-822 GR.2 / A62-310)	mber)		Resistance (Ohms) 500		tacts I-2F-1B	Date Tested 07/14/2004
Neutral Dropaway 0.0068 A DC		Neutral Pickup 0.0108 A DC			tral Working 08 A DC	
Shelf NameRelay Name1A2 VSTOP			Serial Number 47824P002		Condition Left	
Relay Type (Drawing and/or Catalog Nu B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500		tacts I-2F-1B	Date Tested 07/14/2004	
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0108 A DC		Neutral Working 0.0108 A DC		
Shelf Name 1A	Relay Name 1A NWZR		Serial Number 9601844	-	Condition Left	
Relay Type (Drawing and/or Catalog Nu ST (400520 / 400520)	mber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0178 A DC			t ral Working 78 A DC	
Shelf Name 1A	Relay Name 1A RWZR		Serial Number 9601859		Condition Left	
Relay Type (Drawing and/or Catalog Nu ST (400520 / 400520)	mber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0182 A DC			tral Working 82 A DC	
Shelf Name 1B	Relay Name 1B OR		Serial Number 44305P024		Condition Left	
Relay Type (Drawing and/or Catalog Nu B1 (56001-916 GR.2 / A62-430)	mber)		Resistance (Ohms) 135	Con 2FE	tacts	Date Tested 07/14/2004
Neutral Dropaway 0.0178 A DC		Neutral Pickup 0.0656 A DC			tral Working 656 A DC	
Shelf Name 1B	Relay Name 1B NWZR		Serial Number 9600768		Condition Left	
Relay Type (Drawing and/or Catalog Nu ST (400520 / 400520)	mber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 07/14/2004
Neutral Dropaway 0.0098 A DC		Neutral Pickup 0.0161 A DC			tral Working 61 A DC	

		Relay Tests	(FRA 234.263, 236.106)				
Shelf Name 1B	Relay Name 1B RWZR		Serial Number 9601872		Condition Left		
Relay Type (Drawing and/or Catalog I ST (400520 / 400520)	Number)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 07/14/2004	
Neutral Dropaway 0.0098 A DC		Neutral Pickup 0.0175 A DC			Neutral Working 0.0175 A DC		
Shelf Name 1B	Relay Name 1A-OR		Serial Number 44305P023		Condition Left C		
Relay Type (Drawing and/or Catalog I B1 (56001-916 GR.2 / A62-430)	Number)		Resistance (Ohms) 135	2FB	tacts	Date Tested 07/14/2004	
Neutral Dropaway 0.0187 A DC		Neutral Pickup 0.0556 A DC			tral Working 56 A DC		
Shelf Name 1D	Relay Name 2A NWZR		Serial Number 9601843		Condition Left		
Relay Type (Drawing and/or Catalog I ST (400520 / 400520)	Number)		Resistance (Ohms) 500	2F-2	tacts 2B EHD	Date Tested 07/14/2004	
Neutral Dropaway 0.0103 A DC		Neutral Pickup 0.0192 A DC			tral Working 92 A DC		
Shelf NameRelay Name1D2A RWZR			Serial Number Condition Left C				
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)			Resistance (Ohms) 500	2F-2	tacts 2B EHD	Date Tested 07/14/2004	
Neutral Dropaway 0.0093 A DC		Neutral Pickup 0.0182 A DC			tral Working 82 A DC		
Shelf Name 1D	Relay Name 2A OR		Serial Number 46659P039		Condition Left		
Relay Type (Drawing and/or Catalog I B1 (56001-916 GR.2 / A62-430)	Number)		Resistance (Ohms) 135	2FB		Date Tested 07/14/2004	
Neutral Dropaway 0.0191 A DC		Neutral Pickup 0.0707 A DC			tral Working 07 A DC		
Shelf Name 1D	Relay Name 2B NWZR		Serial Number 9601803		Condition Left		
Relay Type (Drawing and/or Catalog I ST (400520 / 400520)	Number)		Resistance (Ohms) 500	2F-2	tacts 2B EHD	Date Tested 07/14/2004	
Neutral Dropaway 0.0113 A DC		Neutral Pickup 0.0191 A DC			tral Working 91 A DC		
Shelf Name 1D	Relay Name 2B RWZR		Serial Number 9601877		Condition Left C		
Relay Type (Drawing and/or Catalog I ST (400520 / 400520)	Number)		Resistance (Ohms) 500	2F-2	tacts 2B EHD	Date Tested 07/14/2004	
Neutral Dropaway 0.0088 A DC		Neutral Pickup 0.0172 A DC			tral Working 72 A DC		
Shelf Name 1D	Relay Name 2B OR		Serial Number 44305P037		Condition Left		
Relay Type (Drawing and/or Catalog I B1 (56001-916 GR.2 / A62-430)	Number)		Resistance (Ohms) 135	2FB		Date Tested 07/14/2004	
Neutral Dropaway 0.0188 A DC		Neutral Pickup 0.0659 A DC			t ral Working 59 A DC		

RAILWAY **Division: NEBRASKA** BAANK1N Asset ID: Test Date: Subdivision: CRESTON 06/19/2008 Location / Highway Name: DBL XO 453.5 County: MILLS State: IA Milepost (with Line Segment): 1 453.50 - 453.50 Employee's Name: Larry Drake (Idrake) PARS Number: SINS0199 Conditions Master KeyC = 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 (F	RA 234.263, 236.106)		
Shelf Name 1A	Relay Name 1 OSTR		Serial Number 47830R004		Condition Left	
Relay Type (Drawing and/or Catalog N B1 (56001-921 GR.9 / A62-120)	umber)		Resistance (Ohms) 2		tacts 3-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0660 A DC		Neutral Pickup 0.1650 A DC			tral Working 510 A DC	·
Shelf Name 1A			Serial Number 47830R019			
Relay Type (Drawing and/or Catalog N B1 (56001-921 GR.9 / A62-120)		Resistance (Ohms) 2		tacts 8-2F-1B	Date Tested 06/19/2008	
Neutral Dropaway 0.0680 A DC		Neutral Pickup 0.1650 A DC			tral Working 530 A DC	
Shelf Name 1A	Relay Name 1 VSTOP		Serial Number 47824P018		Condition Left	
Relay Type (Drawing and/or Catalog N B1 (56001-822 GR.2 / A62-310)	umber)		Resistance (Ohms) 500		tacts 8-2F-1B	Date Tested 06/19/2008
Neutral Dropaway 0.0064 A DC		Neutral Pickup 0.0127 A DC			tral Working 112 A DC	
Shelf Name 1A	Relay Name 2 VSTOP		Serial Number 47824P002		Condition Left	
Relay Type (Drawing and/or Catalog N B1 (56001-822 GR.2 / A62-310)		Resistance (Ohms) 500		tacts J-2F-1B	Date Tested 06/19/2008	
		Neutral Pickup 0.0127 A DC			Neutral Working 0.0112 A DC	
Shelf Name 1A	Relay Name 1A NWZR		Serial Number 9601844		Condition Left	
Relay Type (Drawing and/or Catalog N ST (400520 / 400520)	umber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0089 A DC		Neutral Pickup 0.0209 A DC			Neutral Working 0.0178 A DC	
Shelf Name 1A	Relay Name 1A RWZR		Serial Number Cond 9601859 C		Condition Left	
Relay Type (Drawing and/or Catalog N ST (400520 / 400520)	umber)		Resistance (Ohms) 500			Date Tested 06/19/2008
Neutral Dropaway 0.0084 A DC		Neutral Pickup 0.0209 A DC			tral Working 189 A DC	
Shelf Name 1B	Relay Name 1A-OR		Serial Number 44305P023		Condition Left V	
Relay Type (Drawing and/or Catalog N B1 (56001-916 GR.2 / A62-430)	umber)		Resistance (Ohms) 135	Con 2FE	tacts	Date Tested 06/19/2008
Shelf Name 1B	Relay Name 1B NWZR		Serial Number 9600768		Condition Left C	
Relay Type (Drawing and/or Catalog N ST (400520 / 400520)	umber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 06/19/2008
		Neutral Pickup 0.0209 A DC			Neutral Working 0.0199 A DC	
Shelf Name 1B	Relay Name 1B RWZR		Serial Number 9601872		Condition Left	
Relay Type (Drawing and/or Catalog N ST (400520 / 400520)	umber)		Resistance (Ohms) 500		tacts 2B EHD	Date Tested 06/19/2008
Neutral Dropaway 0.0076 A DC		Neutral Pickup 0.0209 A DC			tral Working I 17 A DC	

Relay Tests (FRA 234.263, 236.106)							
Shelf Name 1B	Relay Name 1B OR		Serial Number 44305P024		Condition Left V		
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)			Resistance (Ohms) 135	Con 2FE	tacts		Date Tested 06/19/2008
Shelf Name 1D	Relay Name 2A NWZR		Serial Number 9601843	Condition Left C			
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)			Resistance (Ohms) 500	Contacts 2F-2B EHD			Date Tested 06/19/2008
Neutral Dropaway 0.0079 A DC		Neutral Pickup 0.0209 A DC			Neutral Working 0.0207 A DC		
Shelf Name 1D	Relay Name 2A RWZR		Serial Number 9601847	Condition Left			
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)			Resistance (Ohms) 500	Contacts 2F-2B EHD		Date Tested 06/19/2008	
Neutral Dropaway 0.0081 A DC		Neutral Pickup 0.0209 A DC			tral Working 188 A DC		
Shelf Name 1D			Serial Number 46659P039				
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)			Resistance (Ohms) 135	Con 2FE	tacts		Date Tested 06/19/2008
Shelf Name 1D	Relay Name 2B NWZR		Serial Number 9601803		Condition Left		
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)			Resistance (Ohms) 500		tacts 2B EHD		Date Tested 06/19/2008
		Neutral Pickup 0.0209 A DC			Neutral Working 0.0190 A DC		
Shelf Name 1D	Relay Name 2B RWZR		Serial Number 9601877		Condition Left C		
Relay Type (Drawing and/or Catalog Number) ST (400520 / 400520)			Resistance (Ohms) 500		tacts 2B EHD		Date Tested 06/19/2008
		Neutral Pickup 0.0209 A DC			tral Working 170 A DC		
Shelf Name 1D	Relay Name 2B OR		Serial Number 44305P037		Condition Left		
Relay Type (Drawing and/or Catalog Number) B1 (56001-916 GR.2 / A62-430)			Resistance (Ohms) 135	Con 2FE	tacts		Date Tested 06/20/2008