

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

ATTACHMENT 29

Signal Nomenclatures

NOMENCLATURE INFORMATION FOR TEXT FILE FROM CP 4535 - DATE 04/17/11

1WDR	1 West Proceed Relay (Green)	1WYYR	1 West Yellow Yellow Relay (Yellow over Yellow)
1WTR	1 West Track Relay	1EDR	1 East Proceed Relay (Green)
1EYYR	1 East Yellow Yellow Relay (Yellow over Yellow)	1ETR	1 East Track Relay
2WDR	2 West Proceed Relay (Green)	2WYYR	2 West Yellow Yellow Relay (Yellow over Yellow)
2WTR	2 West Track Relay	2EDR	2 East Proceed Relay (Green)
2EYYR	2 East Yellow Yellow Relay (Yellow over Yellow)	2ETR	2 East Track Relay
1OSTR	1 Over Switch Track Relay	1WNWP	1 West Normal Switch Repeater
2WNWP	2 West Normal Switch Repeater	1NWZR	1 Normal Switch Request Relay
2NWZR	2 Normal Switch Request Relay	1WGZR	1 West Signal Request Relay (1W Signal Control)
2WGZR	2 West Signal Request Relay (2W signal Control)	1NW	1 Normal Switch Control (1 x-over switch control)
2NW	2 Normal Control (2 x-over switch control)	1NWCR	1 Normal Switch Correspondence Relay
2NWCR	2 Normal Switch Correspondence Relay (Normal Indication)	LR	Lock Relay
2LSR	2 Lock Stick Relay (2 x-over switch lock)	1WBHGR	1 West Bottom Signal Home Relay
1EBHGR	1 East Bottom Signal Home Relay	2WBHGR	2 West Bottom Signal Home Relay
2EBHGR	2 East Bottom Signal Home Relay	1EASR	1 East Approach Stick Relay
2EASR	2 East Approach Stick Relay	1WAFYE	1 West Top Signal Flashing Yellow Energy
1WARE	1 West Top Signal Red Energy	1WBFYE	1 West Bottom Signal Flashing Yellow Energy
1WBRE	1 West Bottom Signal Red Energy	1EAFYE	1 East Top Signal Flashing Yellow Energy
1EARE	1 East Top Signal Red Energy	1EBFYE	1 East Bottom Signal Flashing Yellow Energy
1EBRE	1 East Bottom Signal Red Energy	2WAFYE	2 West Top Signal Flashing Yellow Energy
2WARE	2 West Top Signal Red Energy	2WBFYE	2 West Bottom Signal Flashing Yellow Energy
2WBRE	2 West Bottom Signal Red Energy	2EAFYE	2 East Top Signal Flashing Yellow Energy
2EARE	2 East Top Signal Red Energy	2EBFYE	2 East Bottom Signal Flashing Yellow Energy
2EBRE	2 East Bottom Signal Red Energy	EAE	East Approach Energy (Lights East Approach Indication on LCP)
1ELR_OUT	1 East Lock Relay - Output	2ELR_OUT	2 East Lock Relay - Output
1WC7_OUT	1 West Code 7 out (Sending code 7 west on ML 1)	1WC2_OUT	1 West Code 2 - Output
1EC3OUT	1 East - Cuts vital code and initiates code 6 tumbledown	1EC3_OUT	1 East Code 3 - Output
1EC6_OUT	1 East Code 6 Output (Sending code 6 east on ML1)	2WC7_OUT	2 West Code 7 - Output
2WC2_OUT	2 West Code 2 Output (Sending code 2 west on ML2)	2EC3OUT	2 East - Cuts Vital Code and Initiates Code 6 Tumble Down
2EC3_OUT	2 East Code 3 Output (Sending code 3 east on ML2)	2EC6_OUT	2 East Code 6 - Output
2ASPR	2 Approach Stick Repeater Relay	SMK_AK	Snow Melter Indication - Indication to the Non-Vital Processor
2VSD_STS	2 Vital Signal Driver Status	1WAY_LO	1 West Top Signal Yellow Light OK (Checking Yellow Bulb)
1WBG_LO	1 West Bottom Signal Green Light OK (Checking Green Bulb)	1WBR_LO	1 West Bottom Signal Red Light OK (Checking Red Bulb)
1EAY_LO	1 East Top Signal Yellow Light OK (Checking Yellow Bulb)	1EBG_LO	1 East Bottom Signal Green Light OK (Checking Green Bulb)
1EBR_LO	1 East Bottom Signal Red Light OK (Checking Red Bulb)	2WAY_LO	2 West Top Signal Yellow Light OK (Checking Yellow Bulb)
2WBG_LO	2 West Bottom Signal Green Light OK (Checking Green Bulb)	2WBR_LO	2 West Bottom Signal Red Light OK (Checking Red Bulb)
2EAY_LO	2 East Top Signal Yellow Light OK (Checking Yellow Bulb)	2EBG_LO	2 East Bottom Signal Green Light OK (Checking Green Bulb)
2EBR_LO	2 East Bottom Signal Red Light OK (Checking Red Bulb)	1TER_TE	1 Timer Element Relay_Time Expired
2TER_TE	2 Time Element Relay - Timer Enabled	1WLR_TE	1 West Lock Relay - Time Expired
1ELR_TE	1 East Lock Relay - Timer Enabled	2WLR_TE	2 West Lock Relay - Time Expired
2ELR_TE	2 east Lock Relay - Timer Enabled	2VIO_STS	2 Vital Input Output - Status
1OSTPR	1 Over Switch Track Repeater Relay	1NWP_IN	1 Normal Switch Repeater - Input
2NWP_IN	2 Normal Switch Repeater Input	SMK_IN	Snow Melter Indication - Input
SMZ_OUT	Snow Melter Request Output	1ASR_RST	1 Approach Stick Relay - Reset
1WLOR	1 West Lightout Relay	2WLOR	2 West Light Out Relay
1NWZ_AZ	1 Normal Switch Request - Control from the non-vital processor	2NWZ_AZ	2 Normal Switch Request - Control From The Non- Vital Processor
1WGZ_AZ	1 West Signal Request - Control from the non-vital processor	2WGZ_AZ	2 West Signal Request - Control From The Non-Vital Processor
SMZ_AZ	Snow Melter Request - Control from the non-vital processor	DSP_AZ	Display - Contol from the npn-vital processor
1RWK_AK	1 Reverse Switch Indication - Indication to the non-vital processor	2RWK_AK	2 Reverse Switch Indication - Indication to the Non-Vital Processor
1EGK_AK	1 East Signal Indication - Indication to the non-vital processor	2EGK_AK	2 East Signal Indication - Indication To The Non-Vital Processor
2OSK_AK	2 Over Switch Indication - Indication to the non-vital processor	1EBK_AK	1 East Block Indication - Indication to the Non-Vital Processor
2EBK_AK	2 East Block Indication - Indication to the non-vital processor	1ASPR_AK	1 Approach Stick Repeater Relay - Indication to the Non-Vital Processor
1NWK	1 Normal Switch Indication	2NWK	2 Normal Switch Indication
1WGK	1 West Signal Indication	2WGK	2 West Signal Indication
1WBK	1 West Block Indication	2WBK	2 West Block Indication
SMK	Snow Melter Indication	1TK	1 Track Indication
1WFYR	1 West Flashing Yellow Relay	1WHR	1 West Signal
1WBKR	1 West Block Indication Relay	1EFYR	1 East Flashing Yellow
1EHR	1 East Approach Relay (1 East Signal Yellow)	1EBKR	1 East Block Indication
2WFYR	2 West Flashing Yellow relay	2WHR	2 West approach Relay
2WBKR	2 West Block Indication Relay	2EFYR	2 East Flashing Yellow
2EHR	2 East Approach Relay (2 East Signal Yellow)	2EBKR	2 East Block Indication
2OSTR	2 Over SwitchTrack Relay	1ENWP	1 East Normal Switch Repeater
2ENWP	2 East Normal Switch Repeater	1RWZR	1 reverse switch request relay
2RWZR	2 Reverse Switch Request Relay	1EGZR	1 East Signal Request Relay
2EGZR	2 East Signal Request Relay	1RW	1 reverse control (1 x-over switch control)
2RW	2 Reverse Switch	1RWCR	1 x-over Reverse Correspondence Relay
2RWCR	2 Reverse Switch Correspondence Relay	1LSR	1 lock stick relay (1 X-Over Switch Lock
1WAHGR	1 West Top Signal Home Relay	1EAHGR	1 East Top Signal Home Relay
2WAHGR	2 West Top Signal Home Relay	2EAHGR	2 East Top Signal Home Relay
1WASR	1 West Approach Stick Relay	2WASR	2 West Approach Stick Relay
1WAGE	1 West Top Signal Green Energy	1WAYE	1 West Top Signal Yellow Energy
1WBGE	1 West Bottom Signal Green Energy	1WBYE	1 West Bottom Signal Yellow Energy
1EAGE	1 East Top Signal Green Energy	1EAYE	1 East Top Signal Yellow Energy
1EBGE	1 East Bottom signal Green Energy	1EBYE	1 East Bottom Signal Yellow Energy
2WAGE	2 West Top Signal Green Energy	2WAYE	2 West Top Signal Yellow Energy
2WBGE	2 West Bottom Signal Green Energy	2WBYE	2 West Bottom Signal Yellow Energy
2EAGE	2 East Top Signal Green Energy	2EAYE	2 East Top Signal Yellow Energy
2EBGE	2 East Bottom Signal Green Energy	2EBYE	2 East Bottom Signal Yellow Energy
WAE	West Approach energy (Lights West Approach Indication on LCP)	1WLR_OUT	1 West Lock Relay - Output
2WLR_OUT	2 West Lock Relay - Output	1WC3OUT	1 West - Cuts vital code and initiates code 6 tumble down
1WC3_OUT	1 West Code 3 Output (Sending Code 3 West on ML1)	1WC6_OUT	1 West Code 6 - Output (Sending Code 6 West on ML 1)
1EC7_OUT	1 East Code 7 Output (Sending Code 7 East on ML1)	1EC2_OUT	1 East Code 2 - Output (Sending Code 2 East on ML 1)
2WCSLOT	2 West - Cuts vital code and initiates code 6 tumbledown	2WC3_OUT	2 West Code 3 - Output (Sending Code 3 West on ML 2)
2WC6_OUT	2 West Code 6 Output (Sending Code 6 West on ML2)	2EC7_OUT	2 East Code 7 - Output (Sending Code 7 East on ML 2)
2EC2_OUT	2 East Code 2 Output (Sending Code 2 East on ML2)	1ASPR	1 Approach Stick Repeater Relay
POK_AK	Power Off Indication - Indication to the non-vital processor	1VSD_STS	1 Vital Signal Driver - Status
1WAG_LO	1 West Top Sgnal Green Light OK (Checking Green Bulb)	1WAR_LO	1 West Top Signal Red Light OK (Checking Red Bulb)
1WBY_LO	1 West Bottom Signal Yellow Light OK (Checking Yellow Bulb)	1EAG_LO	1 East Top Signal Green Light OK (Checking Green Bulb)
1EAR_LO	1 East Top Signal Red Light OK (Checking Red Bulb)	1EBY_LO	1 East Bottom Signal Yellow Light OK (Checking Yellow Bulb)
2WAG_LO	2 West Top Signal Green Light OK (Checking Green Bulb)	2WAR_LO	2 West Top Signal Red Light OK (Checking Red Bulb)
2WBY_LO	2 West Bottom Signal Yellow Light OK (Checking Yellow Bulb)	2EAG_LO	2 East Top Signal Green Light OK (Checking Green Bulb)
2EAR_LO	2 East Top Signal Red Light OK (Checking Red Bulb)	2EBY_LO	2 East Bottom Signal Yellow Light OK (Checking Yellow Bulb)
1TER_EN	1 Timer Element Relay - Timer Enabled	2TER_EN	2 Timer Element Relay_Timer Enabled
1WLR_EN	1 West Lock Relay - Timer Enabled	1ELR_EN	1 East Lock Relay - Timer Enabled
2WLR_EN	2 West Lock Relay - Timer Enabled	2ELR_EN	2 East Lock Relay - Timer Enabled
1VIO_STS	1 Vital Input/Output Status	CCI_STS	Status of CCI module
2OSTPR	2 Over Switch Track Repeater Relay	1RWP_IN	1 Reverse Switch Repeater - Input
2RWP_IN	2 Reverse Switch Repeater - Input	POK_IN	Power Off Indication - Input
MCZ_OUT	Maintainer Call Request - Output	2ASR_RST	2 Approach Stick Relay - Reset
1ELOR	1 East Light Out Relay	2ELOR	2 East Lock Light Out Relay
1RWZ_AZ	1 Reverse switch Request - Control from the non-vital processor	2RWZ_AZ	2 Reverse Switch Request - Control From The Non-Vital Processor
1EGZ_AZ	1 East Signal Request - Control from the non-vital processor	2EGZ_AZ	2 East Signal Request - Control From The Non-Vital Processor
MCZ_AZ	Maintainer Call Request - Indication to the non-vital processor	1NWK_AK	1 Normal Switch Indication - Indication to the Non-Vital Processor
2NWK_AK	2 Normal Switch Indication - Indication to the non-vital processor	1WGK_AK	1 West Signal Indication - Indication to the Non-Vital Processor
2WGK_AK	2 West Signa Indication - Indication to the non-vital processor	1OSK_AK	1 Over Switch Indication - Indication to the Non-Vital Processor
1WBK_AK	1 West Block Indication - Indication to the non-vital processor	2WBK_AK	2 West Block Indication - Indication to the Non-Vital Processor
LK_AK	Lock Indication - Indiaction to the non-vital processor	2ASPR_AK	2 Approach Stick Repeater Relay - Indication to the Non-Vital Processor
1RWK	1 Reverse Switch Indication	2RWK	2 Reverse Switch Indication
1EGK	1 East Signal Indication	2EGK	2 East Signal Indication
1EBK	1 East Block Indication	2EBK	2 East Signal Indication
POK	Power Off Indication	2TK	2 Track Indication

