

**ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT
CROSSING DATA FORM**

GENERAL INFORMATION: See Location Sketch

RAILROAD	BNSF
USDOT#, MILEPOST	063 072C, 179.50
STREET, CITY, COUNTY	Sunny Lane, in Monmouth, Warren County
JURISDICTION (RDWY)	City
LOCATION	Urban, Residential, etc.
STREET SURFACE	Oil/Chip, 23', Fair Condition

CROSSING DATA: Also see Location Sketch for roadway profile and track centers

TRACK (W-E or N-S)	SURFACE TYPE	SURFACE WIDTH	SURFACE CONDITION
Main	Concrete	32'	Good
Main	Concrete	32'	Good

ROADWAY DATA: See Location Sketch

INTERSECTING ROADS:	Pvt. Entrance
TRAFFIC CONTROL	None
ADT & SPEED	550 Vehicles Per Day @ 30 MPH (Posted)
TRAFFIC TYPE	Passenger, School Buses, Hazardous Materials, all possible
ADVANCE WARNING	Yes
PAVEMENT MARKING	No

RAILROAD DATA: See Location Sketch

FREIGHT TRAFFIC	30 Per day @ 60 MPH, Day & Night? Yes
PASSENGER TRAFFIC	2 per day @ 79 MPH
WARNING DEVICES	AFLS/Gates

NOTES:

VISIBILITY STUDY: See Location Sketch

Train Speed	N/A	MPH
Roadway Speed	N/A	MPH
Required Stopping Sight Distance (SSD)	N/A	
Along Roadway	N/A	FEET
Along Tracks	N/A	FEET
Required Clearing Sight Distance (CSD) (Along Tracks)	N/A	FEET

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 2001, Fourth Edition.

QUADRANT	CSD (FT)	OBSTRUCTION	SSD (FT)	OBSTRUCTION
NE	*		*	
NW	*		*	
SE	*		*	
SW	*		*	

*Note: The installation of automatic flashing light signals and gates eliminate the need to satisfy minimum Sight Distance criteria.

APPROACH GRADES: See Location Sketch

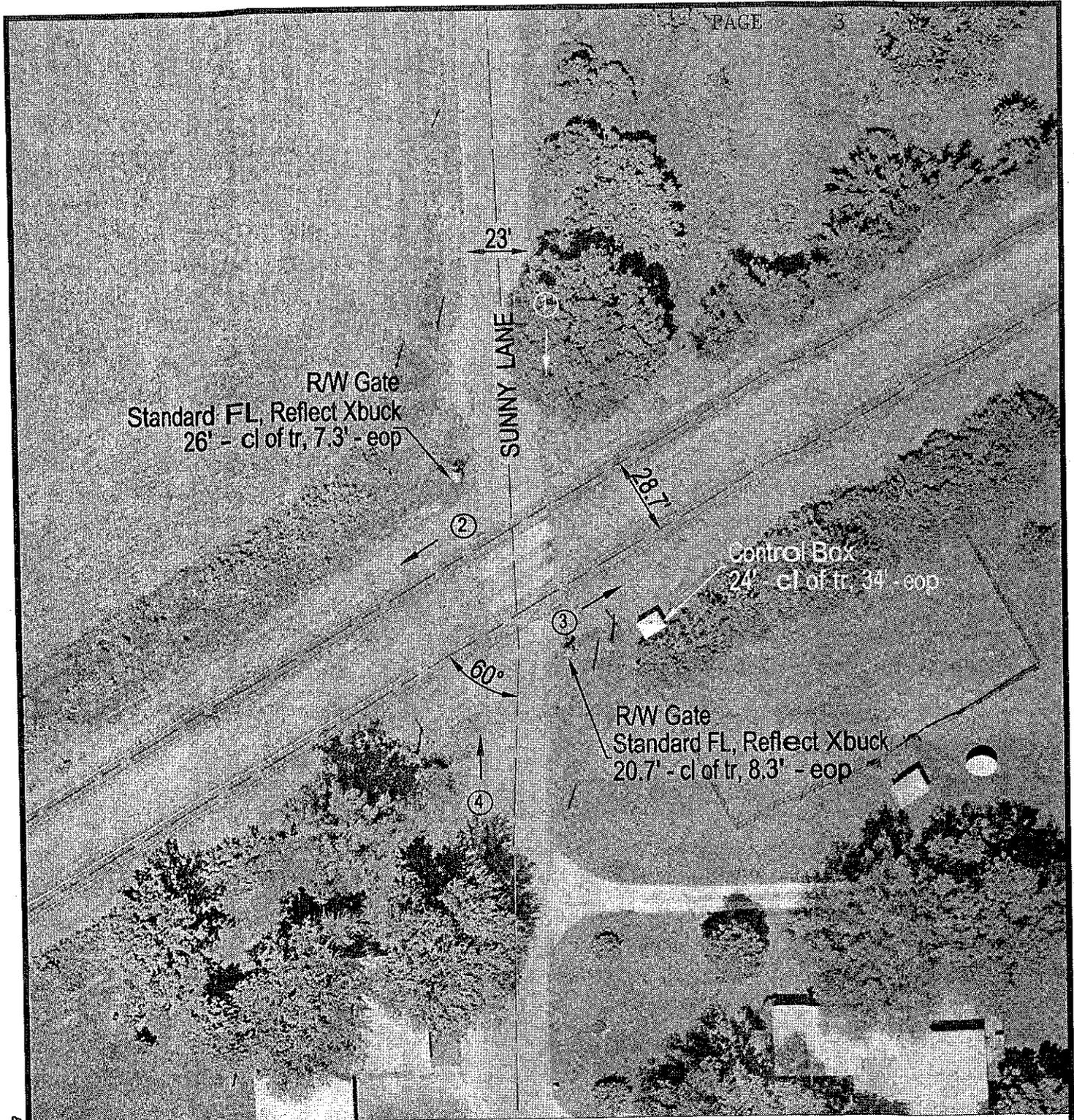
DIRECTION: NORTH			DIRECTION: SOUTH		
DISTANCE (FT)	ELEVATION (FT)	GRADE (%)	DISTANCE (FT)	ELEVATION (FT)	GRADE (%)
25	.1	.4	25	0.0	0.0
50	1.1	4.4	50	1.0	4

Distance measured from outermost rail.

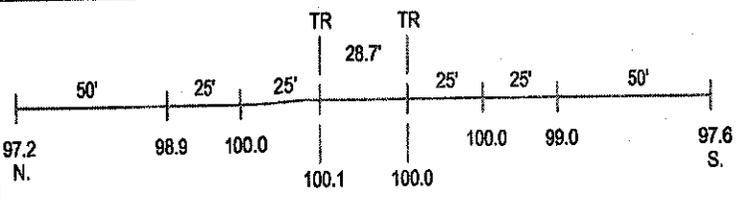
COMMENTS:

Staff recommends the cost for installing new automatic warning devices at this crossing be paid by the Grade Crossing Protection Fund and The Burlington Northern and Santa Fe Railway Company.

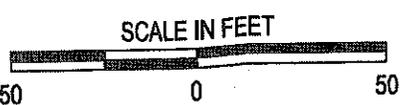
See Page 3 for Location Sketch(Arial Photo) of the crossing.



J:\WARREN\063072C\063072C.DWG 03/07/01 08:50 B.B



ROAD PROFILE



③ Photo Location

Crossing #:	063072C
Location:	Warren Co., City of Monmouth (I)
Lat/Long:	40°54'13" / 90°39'38"
Railroad:	BNSF
Street:	Sunny Lane
Railroad Milepost:	179.50
Crossing Protection:	Train Activated Devices

LOCATION	: MONMOUTH	LINE SEGMENT	: 1	AFE NUMBER	:
PLANITEM NUMBER	: PSI063220S	MILEPOST	: 0175.66	RFA NUMBER	:
PROPERTY OF	: BNSF RAILWAY COMPANY	DIVISION	: NE	CPAR NUMBER	:
OPERATED BY	: BNSF RAILWAY COMPANY	SUBDIVISION	: OTTUMWA	BUDGET YEAR	: 2004
JOINT FACILITY	: STATE OF ILLINOIS	TRACK TYPE	: 2	BUDGET CLASS	: 10
% BILLABLE (+/-)	: 100.00	TAX STATE	: IL COUNTY: WARREN	REPORTING OFFICE	: 454
REQUESTER ID	: XXXX -	MATL DATE	:	SPONSOR	: VP ENGIN
PROJECT TYPE	: SGX	LOCATION CODE	: 381018	DEPT CODE	: MOWGH
DOT NUMBER	: 079220S			DERAILMENT CODE	:

PURPOSE, JUSTIFICATION AND DESCRIPTION

INSTALL CONSTANT WARNING WITH BI AND UNI LOOKS AND FLASHERS WITH GATES AT 100TH STREET IN MONMOUTH, IL. NEBRASKA DIV., OTTUMWA SUBDIV., L/S 0001, M.P. 175.66, DOT # 079220S

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.

THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS, DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.

CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.

THIS ESTIMATE GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR MATERIAL, LABOR, AND OVERHEADS.

***** SIGNAL WORK ONLY *****

THE STATE OF ILLINOIS IS FUNDING THIS PROJECT 100%.

MAINTAIN PROPRIETARY CONFIDENTIALITY

***** NOTE **** NOTE ***** FOR INTERNAL USE ONLY ***** NOTE **** NOTE *****

	CASH CAPITAL	NONCASH CAPITAL	OPERATING EXP	REMOVAL COST	BILLABLE	TOTALS
	=====	=====	=====	=====	=====	=====
LABOR COSTS	0	0	0	0	68,300	68,300
MATERIAL COSTS	0	0	0	0	102,144	102,144
OTHER COSTS	0	0	0	0	26,826	26,826
TOTALS	0	0	0	0	197,270	197,270

ENGINEERING SERVICES - KANSAS CITY
ESTIMATE REF. NUMBER : PSI063220S - 1--2S
COSTING DATE : 02/06/2004

PRINTED ON : 02/06/2004
ESTIMATED BY : JOHNSON
PRINTED BY : JOHNSON

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		400	9911	SIGNAL FIELD LABOR - CAP	840.00	0.0 MH	17,882			
* LABOR SUBTOTAL							17,882	0	0	0
1120	313	400	9911	BATTERY	1.0	LS N	7,680			
1120	313	400	9911	BUNGALOW MATERIAL	1.0	LS N	6,071			
1120	313	400	9911	BUNGALOW, 6 X 6	1.0	EA N	5,450			
1120	313	400	9911	CABLE	1.0	LS N	3,347			
1120	313	400	9911	CHARGERS	1.0	LS N	899			
1120	313	400	9911	CONSTANT WARNING (BI-DI)	1.0	EA N	18,620			
1120	313	400	9911	CONSTANT WARNING (UNI)	1.0	EA N	14,705			
1120	313	400	9911	FIELD MATERIAL	1.0	LS N	4,874			
1120	313	400	9911	FOUNDATION	2.0	EA N	870			
1120	313	400	9911	GATE KEEPER	2.0	EA N	3,550			
1120	313	400	9911	GATE MECH. MODEL 95 COMPLETE	2.0	EA N	10,062			
1120	313	400	9911	LAMP RESISTOR	1.0	EA N	735			
1120	313	400	9911	LED GATE KIT	2.0	EA N	732			
1120	313	400	9911	LED LIGHT ADJUSTMENT	12.0	EA N	3,048			
1120	313	400	9911	LIGHT OUT DETECTOR	1.0	EA N	659			
1120	313	400	9911	MISC. MATERIAL	1.0	EA N	1,500			
1120	313	400	9911	RECORDER	1.0	EA N	2,145			
1120	313	400	9911	RTU-6 CELLULAR MONITOR	1.0	EA N	2,060			
1120	313	400	9911	SHUNT, NBS	4.0	EA N	1,196			
1120	313	400	9911	SHUNT, WIDEBAND, DUAL	12.0	EA N	3,255			
1120	313	400	9911	SIDELIGHT ASSY., 2-WAY W/CANT.	1.0	EA N	1,359			
* MATERIAL SUBTOTAL							92,817	0	0	0
1120	367	400	9911	CONTRACT ENGR.	1.0	EA N	6,000			
1120	790	400	9911	SURFACE ROCK	20.0	CY N	500			
* OTHER SUBTOTAL							6,500	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			14,425			
				EQUIPMENT EXPENSES			4,490			
				DA LABOR OVERHEADS			16,090			
				INSURANCE EXPENSES			2,819			
				USE TAX			6,082			
				OFFLINE TRANSPORTATION			1,160			
* GANG TOTAL							162,265	0	0	0

8		400	9911	SIGNAL SHOP LABOR - CAP	80.00	0.0 MH	1,764			
* LABOR SUBTOTAL							1,764	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			1,423			
				EQUIPMENT EXPENSES			442			
				DA LABOR OVERHEADS			1,587			
				INSURANCE EXPENSES			278			
* GANG TOTAL							5,494	0	0	0

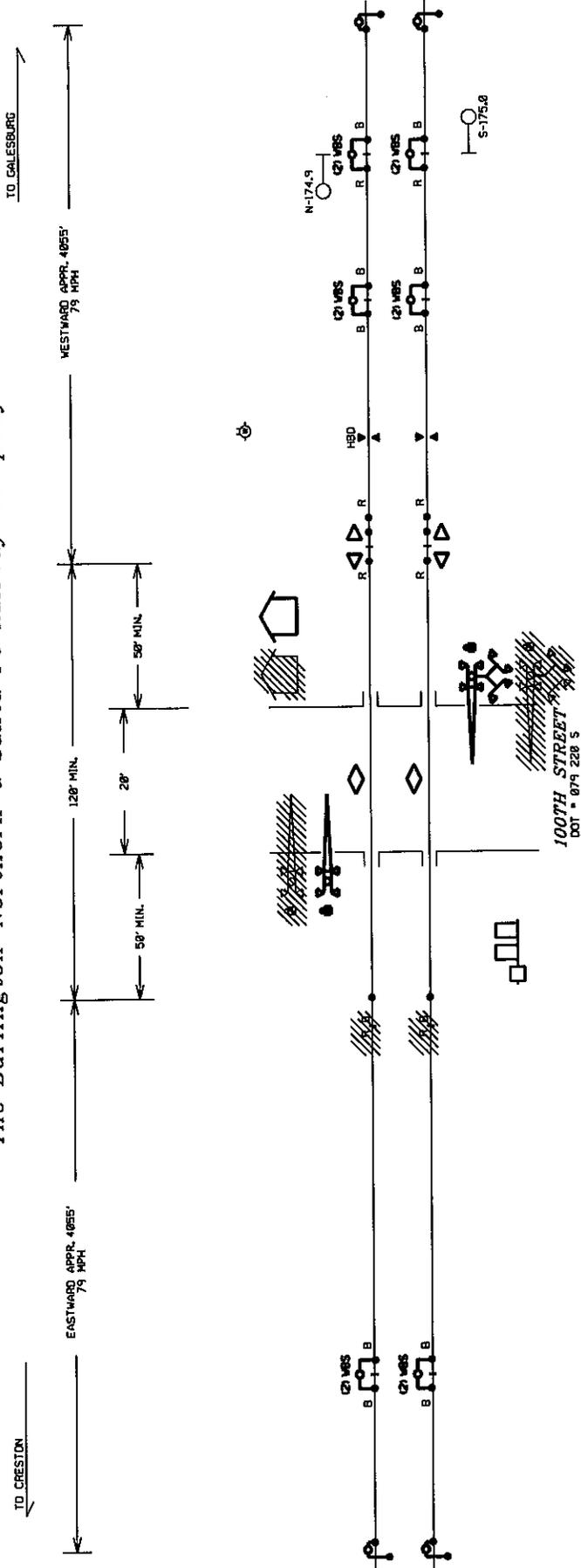
8		411		ELECTRICAL LABOR F/POWER TRANS SYS	54.00	0.0 MH	1,209			
* LABOR SUBTOTAL							1,209	0	0	0
1120	319	400	9911	MATERIAL FOR ELECTRICAL	1.0	EA	500			
* MATERIAL SUBTOTAL							500	0	0	0
1120	410	400	9911	AC POWER SERVICE	1.0	EA	1,500			
* OTHER SUBTOTAL							1,500	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			975			
				EQUIPMENT EXPENSES			303			
				DA LABOR OVERHEADS			1,087			
				INSURANCE EXPENSES			190			
				MATERIAL HANDLING			25			
				USE TAX			32			
				OFFLINE TRANSPORTATION			6			

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT	U/M	CASH	NONCASH	OPER	REMOVAL	
* GANG TOTAL								ELECGANG-1M - ELECTRICAL GANG, 1 MAN	5,827	0	0	0
8		241		PLACE FIELD WELDS - CAP	32.00		2.8 MH	727				
* LABOR SUBTOTAL								727	0	0	0	
1120	308	200		WELDKIT, GENERIC FOR ALL RAIL WEIGHT	4.0		KT NX	212				
* MATERIAL SUBTOTAL								212	0	0	0	
* ADDITIVES								PAYROLL ASSOCIATED COSTS	586			
								EQUIPMENT EXPENSES	182			
								DA LABOR OVERHEADS	654			
								INSURANCE EXPENSES	114			
								USE TAX	13			
								OFFLINE TRANSPORTATION	2			
* GANG TOTAL								HQWELDGANG-2M - WELDING GANG, 2 MAN	2,490	0	0	0
8		241		PLACE OTM - CAP	16.00		1.4 MH	345				
* LABOR SUBTOTAL								345	0	0	0	
1120	308	200		RAIL, 132 LB NEW WELDED, PREMIUM :	80.0		LF NX	1,189				
* MATERIAL SUBTOTAL								1,189	0	0	0	
* ADDITIVES								PAYROLL ASSOCIATED COSTS	278			
								EQUIPMENT EXPENSES	86			
								DA LABOR OVERHEADS	310			
								INSURANCE EXPENSES	54			
								ONLINE TRANSPORTATION	28			
								USE TAX	78			
* GANG TOTAL								SECGANG-3M - SECTION GANG (3 MAN)	2,368	0	0	0
PROJECT SUBTOTAL								178,444	0	0	0	
CONTINGENCIES								17,844	0	0	0	
BILL PREPARATION FEE								982	0	0	0	
PROJECT GROSS COST								197,270	0	0	0	
LESS COST PAID BY OTHERS								197,270	0	0	0	
PROJECT NET COST								0	0	0	0	

*****		TOTAL MATERIAL COST	102,144	102,144
*****		OTHER		

AC POWER SERVICE	1.00 EA		1,500	
CONTRACT ENGR.	1.00 EA N		6,000	
SURFACE ROCK	20.00 CY N		500	
			-----	-----
		TOTAL OTHER ITEMS COST	8,000	8,000
			-----	-----
		PROJECT SUBTOTAL		178,444
		CONTINGENCIES		17,844
		BILL PREPARATION FEE		982
			-----	-----
		GROSS PROJECT COST		197,270
		LESS COST PAID BY BNSF		0
			-----	-----
TOTAL BILLABLE COST				197,270
			=====	=====

The Burlington Northern & Santa Fe Railway Company



INSTALL: GATES & FLASHERS
CONTROL DEVICES: CONSTANT WARNING

BOLD - IN

~~SALVAGE~~ - OUT

SALVAGE: NONE

	INSTRUMENT HOUSE
	BELL
	METER
	CROSSING CONTROL CONNECTIONS
	BIDIRECTIONAL CROSSING CONTROL
	UNIDIRECTIONAL CROSSING CONTROL
	COUPLER OR TERMINATION
	GUARD RAIL

Warning device placement:
Clearance to C.L. Track = Min. 12', Max. 20'
Edge of Road to C.L. Foundation:
Min. 4'1" with curb,
Min. 8'1" without curb,
Max. 12'
House Clearance: 25' Min. to C.L. of Track
30' Min. to Edge of Road
Front Lights: LED
Back and Side Lights: LED
Cantilever Jury Mast: LED

BNSF RAILWAY CO.
MONMOUTH, IL.
100TH STREET
LS: 0001
M.P. 175.66
DOT # 079 220 S
DIVISION NEBRASKA
SUBDIVISION OTTUMWA
KANSAS CITY
NO SCALE
DATE: 01/28/04
FILE: 0001175-66.dgn
MJ/SSE