

***** MAINTAIN PROPRIETARY CONFIDENTIALITY *****

THE B. N. S. F. RAILWAY COMPANY
 FHPM ESTIMATE FOR
 ILLINOIS

LOCATION: EAST MACOMB TO WEST MACOMB DETAILS OF ESTIMATE PLAN ITEM: PSIC072909A VERSION: 1

PURPOSE, JUSTIFICATION AND DESCRIPTION

INSTALL CONSTANT WARNING AND LED AT JOHN DEERE RD. IN MACOMB IL. CHICAGO DIV., BROOKFIELD
 SUBDIV., L/S 0011, M.P. 204.21, DOT # 072909A

MONTHLY POWER UTILITY COST CENTER: 61690

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTATIVE 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 APPROXIMATELY 85% WITH BNSF FUNDING APPROXIMATELY 15% OF THIS PROJECT.

MAINTAIN PROPRIETARY CONFIDENTIALITY

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$

LABOR				

ELECTRICAL LABOR F/POWER TRANS SYS	54.00	MH	1,277	
SIGNAL FIELD LABOR - CAP	640.00	MH	13,965	
SIGNAL SHOP LABOR - CAP	80.00	MH	1,808	
PAYROLL ASSOCIATED COSTS			13,753	
EQUIPMENT EXPENSES			4,267	
DA LABOR OVERHEADS			15,350	
INSURANCE EXPENSES			2,688	
TOTAL LABOR COST			53,108	53,108

MATERIAL				

BATTERY	1.00	EA N	5,032	
BUNGALOW 6X6	1.00	EA N	7,612	
BUNGALOW MATERIAL	1.00	LS N	5,936	
CABLE	1.00	EA N	3,062	
CHARGERS	1.00	LS N	810	
CONDUIT, PVC 4", SCH 80	60.00	FT N	234	
CONSTANT WARNING 2TKBI-DI	1.00	EA N	18,620	
DAX CABLE	1.00	EA N	2,990	
DAX RELAY	1.00	EA N	500	
DUMMY LOAD	1.00	EA N	412	
DWBS	6.00	EA N	1,902	
FIELD MATERIAL	1.00	LS N	3,735	
LAMP RESISTOR PANEL	1.00	EA N	761	
LED GATE KIT	2.00	EA N	732	
LED LIGHT COST ADJUSTMENT	10.00	EA N	2,240	
LIGHT OUT DETECTOR	1.00	EA N	706	
MATERIAL FOR ELECTRICAL	1.00	EA	1,500	
RECORDER	1.00	EA N	2,220	
SHUNT, NBS	4.00	EA N	2,116	
MATERIAL HANDLING			75	
USE TAX			4,002	
OFFLINE TRANSPORTATION			759	
TOTAL MATERIAL COST			65,956	65,956

OTHER				

AC POWER SERVICE	1.00	EA	5,000	

CONTRACT ENGR.
SURFACE ROCK

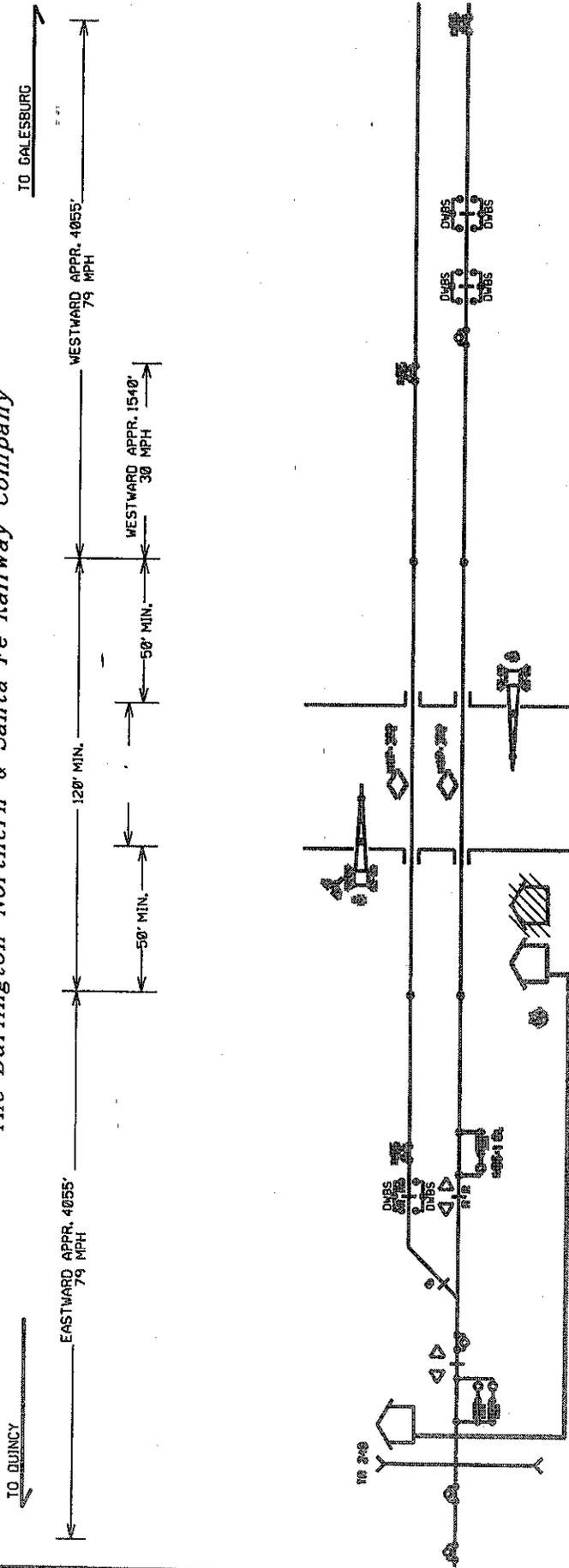
1.00 EA N
20.00 CY N

5,000
500

TOTAL OTHER ITEMS COST	10,500	10,500
PROJECT SUBTOTAL		129,564
CONTINGENCIES		12,956
BILL PREPARATION FEE		713
GROSS PROJECT COST		143,233
LESS COST PAID BY BNSF		21,485
TOTAL BILLABLE COST		121,748

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The Burlington Northern & Santa Fe Railway Company



JOHN DEERE
DOT # 072 909 A

INSTALL: GATES & FLASHERS
CONTROL DEVICES: CONSTANT WARNING

□ - IN

▨ - 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. 4'3" with curb,
Min. 8'3" without curb,
Max. 12'
House Clearance: 25' Min. to Near Rail
30' Min. to Edge of Road
ALL LIGHTS TO BE LED

BNSF RAILWAY CO.

MACOMB IL.
JOHN DEERE RD.
LS: 0011

M.P. 204.21
DOT # 072909A

DIVISION: CHICAGO

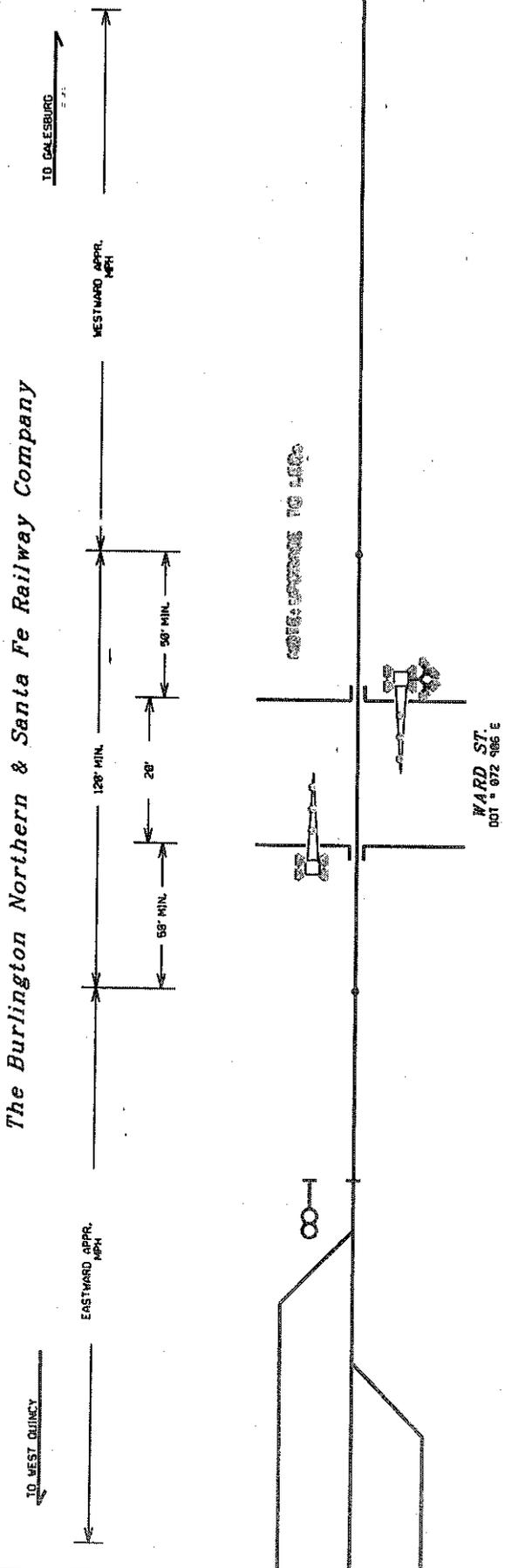
SUBDIVISION: BROOKFIELD
KANSAS CITY

NO SCALE

DATE: 02-02-06

FILE: 0011204_21.dgn

The Burlington Northern & Santa Fe Railway Company



INSTALL: GATES & FLASHERS
 CONTROL DEVICES: CONSTANT WARNING

INSTRUMENT HOUSE

BELL

METER

CROSSING CONTROL CONNECTIONS

BIDIRECTIONAL CROSSING CONTROL

UNIDIRECTIONAL CROSSING CONTROL

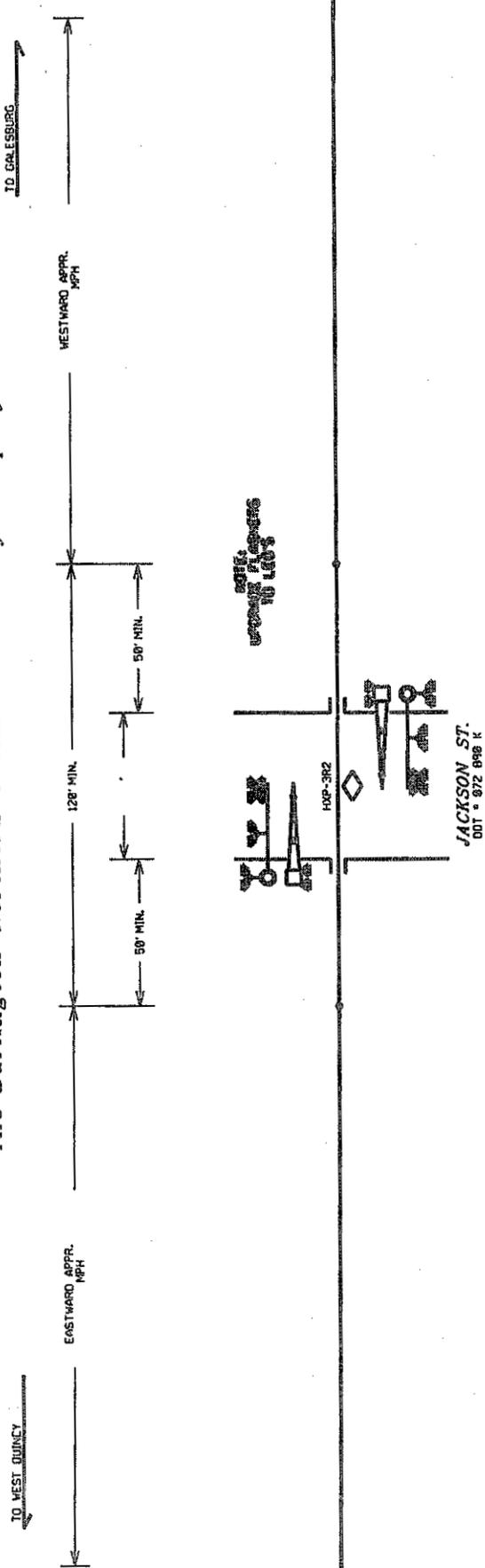
COUPLER OR TERMINATION

GUARD RAIL

BNSF RAILWAY CO.
 MACOMB IL.
 WARD ST. -
 L.S. 0011
 M.P. 203.11
 DOT # 072 906 E
 DIVISION CHICAGO
 SUBDIVISION BROOKFIELD
 KANSAS CITY
 NO SCALE
 DATE: 03/06/06
 FILE: 0011203.11-dgn
 DHP/SJS

Warning device placement:
 Clearance to C.L. Track = Min. 12'
 Edge of Road to C.L. Foundations:
 Min. 4'3" with curb,
 Min. 8'3" without curb,
 Max. 12'
 House Clearance:
 25' Min. to Near Rail
 30' Min. to Edge of Road
 ALL LIGHTS TO BE LED

The Burlington Northern & Santa Fe Railway Company



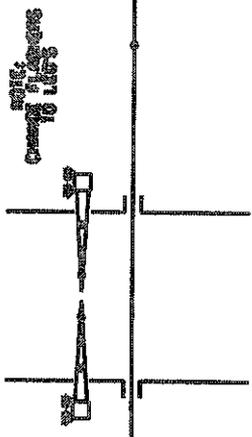
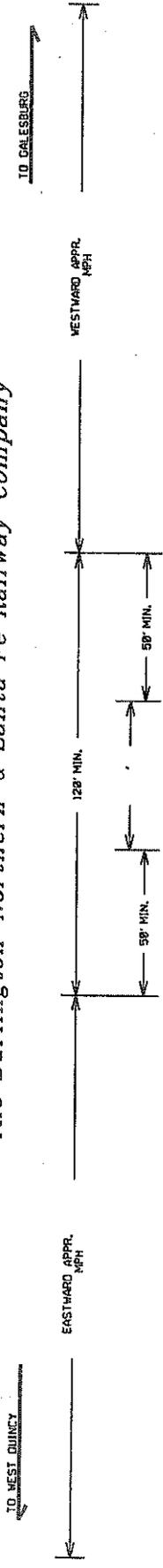
INSTALL: GATES & FLASHERS
 CONTROL DEVICES: CONSTANT WARNING
 [Symbol] - IN
 [Symbol] - OUT
 SALVAGE: NONE

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

Warning device placement:
 Clearance to C.L. Track = Min. 12', Max. 20'
 Edge of Road to C.L. Foundation:
 Min. 4'3" with curb,
 Min. 8'3" without curb,
 Max. 12'
 House Clearances:
 25' Min. to Near Rail
 30' Min. to Edge of Road
 ALL LIGHTS TO BE LED

BNSF RAILWAY CO.
 MALOMB IL
 JACKSON ST (US 136)
 LS: 0011
 M.P. 202.91
 DOT = 072 890 K
 DIVISION CHICAGO
 SUBDIVISION BROOKFIELD
 KANSAS CITY
 NO SCALE
 DATE: 01/05/06
 FILE: 0011202 91.dgn
 DHP/SJS

The Burlington Northern & Santa Fe Railway Company



CARROLL
DOT # 072 892 Y



INSTALL: GATES & FLASHERS
CONTROL DEVICES: CONSTANT WARNING

NO. 1 - IN
NO. 2 - 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. 4'3" with curb,
Min. 8'3" without curb,
Max. 12'
25' Min. to Near Rail
30' Min. to Edge of Road
ALL LIGHTS TO BE LED

House Clearance:

BNSF RAILWAY CO.
MACOMB IL
CARROLL ST.
LS: 0011
M.P. 202.68
DOT # 072 892 Y
DIVISION CHICAGO
SUBDIVISION BROOKFIELD
KANSAS CITY
NO SCALE
DATE: 01/05/06
FILE: 0011202 68.dgn
DHP/SJS

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Page 2

63,437

9,516

53,921

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GROSS PROJECT COST
LESS COST PAID BY BNSF

TOTAL BILLABLE COST

The Burlington Northern & Santa Fe Railway Company

TO WEST QUINCY

TO CALESBURG

EASTWARD APPR. MPH

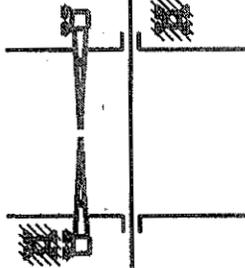
WESTWARD APPR. MPH

120' MIN.

50' MIN.

50' MIN.

NOTE: VERIFY NEW PLACEMENT WITH GATES ROAD IS NOW A ONE WAY STREET!



JOHNSON ST.
DOT # 072 893 F

INSTALL: GATES & FLASHERS

CONTROL DEVICES: CONSTANT WARNING

INSTRUMENT HOUSE

BELL

METER

CROSSING CONTROL CONNECTIONS

BIDIRECTIONAL CROSSING CONTROL

UNIDIRECTIONAL CROSSING CONTROL

COUPLER OR TERMINATION

GUARD RAIL



BNSF RAILWAY CO.

MACOMB IL

JOHNSON ST.

LS: 0011

M.P. 202.53

DOT # 072 893 F

DIVISION CHICAGO

SUBDIVISION BROOKFIELD

KANSAS CITY

NO SCALE

DATE: 01/05/06

FILE: 0011202 53.dgn

DHP/SJS

Warning device placement:

Clearance to C.L. Track = Min. 12', Max. 20'

Edge of Road to C.L. Foundation:

Min. 4'3" with curb,

Min. 8'3" without curb,

Max. 12'

25' Min. to Near Rail

30' Min. to Edge of Road

ALL LIGHTS TO BE LED

House Clearances:

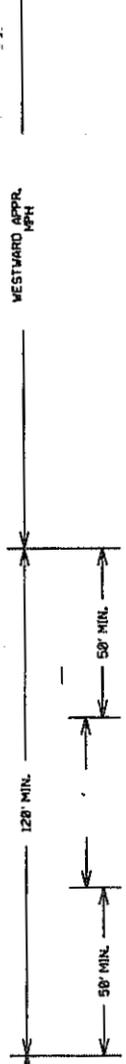
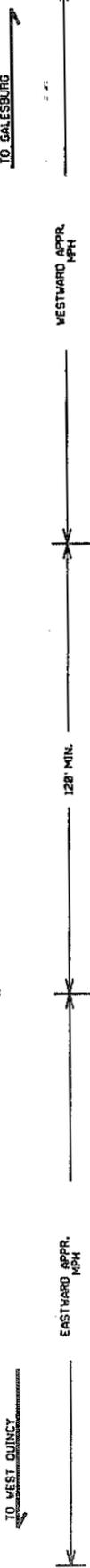
BILL PREPARATION FEE
GROSS PROJECT COST
LESS COST PAID BY BNSF

91,919
13,787

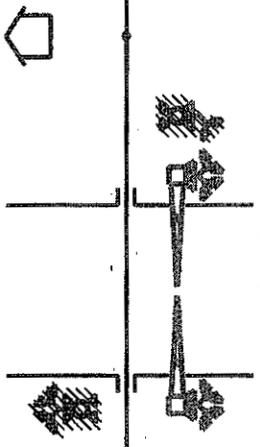
78,132
=====

TOTAL BILLABLE COST

The Burlington Northern & Santa Fe Railway Company



NOTE:
UPGRADE NEW FLASHERS WITH GATES
AS TO BE NEAR A ONE WAY STREET



INSTALL: GATES & FLASHERS
CONTROL DEVICES: CONSTANT WARNING

DOT # 072 894 M

OUT

SALVAGE: NONE

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

Warning device placements
 Clearance to C.L. Track = Min. 12', Max. 20'
 Edge of Road to C.L. Foundations:
 Min. 4'3" with curb,
 Min. 8'3" without curb,
 Max. 12'
 House Clearance:
 25' Min. to Near Rail
 30' Min. to Edge of Road
 ALL LIGHTS TO BE LED

BNSF RAILWAY CO.
 MACOMB IL
 McARTHUR ST.
 LS: 0011
 M.P. 202.42
 DOT # 072 894 M
 DIVISION CHICAGO
 SUBDIVISION BROOKFIELD
 KANSAS CITY
 NO SCALE
 DATE: 01/05/06
 FILE: 0011202 42.dgn
 DHP/SJS



***** MAINTAIN PROPRIETARY CONFIDENTIALITY *****

THE B. N. S. F. RAILWAY COMPANY
 FHEM ESTIMATE FOR
 ILLINOIS

LOCATION:- MP 200.46 TO EAST MACOMB DETAILS OF ESTIMATE PLAN ITEM: PSI072896B VERSION: 1

PURPOSE, JUSTIFICATION AND DESCRIPTION

INSTALL CONSTANT WARNING REUSING TWO FLASHERS AND REPLACING ONE FLASHERW/SIDELIGHTS
 UPGRADING ALL FLASHERS TO LEDS AT LAFAYETTE STREET IN MACOMB IL. CHICAGO DIV., BROOKFIELD
 SUBDIV., L/S 0011, M.P. 202.35, DOT # 072896B
 MONTHLY POWER UTILITY COST CENTER : 61690

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.
 CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.
 THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS, DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.
 THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR LABOR, MATERIAL, AND OVERHEAD.

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

THE STATE OF ILLINOIS IS FUNDING APPROXIMATELY 85% WITH BNSF FUNDING APPROXIMATELY 15% OF THIS PROJECT.

MAINTAIN PROPRIETARY CONFIDENTIALITY.

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$

LABOR				

PLACE FIELD WELDS - CAP	64.00	MH	1,351	
PLACE RAIL - CAP	32.00	MH	642	
SIGNAL FIELD LABOR - CAP	640.00	MH	13,965	
SIGNAL SHOP LABOR - CAP	96.00	MH	2,170	
PAYROLL ASSOCIATED COSTS			14,621	
EQUIPMENT EXPENSES			4,537	
DA LABOR OVERHEADS			16,321	
INSURANCE EXPENSES			2,858	
TOTAL LABOR COST			56,465	56,465

MATERIAL				

RAIL, 136 LB NEW WELDED, PREMIUM :	80.00	LF **	1,324	
WELDKIT, ORGOTHERMITE, GENERIC WEIGHT	4.00	KT **	260	
BATTERY	1.00	EA N	6,896	
BUNGALOW 6X6	1.00	EA N	7,612	
BUNGALOW MATERIAL	1.00	LS N	3,399	
CHARGERS	1.00	LS N	1,464	
CONDUIT, PVC 4", SCH 80	60.00	FT N	234	
CONSTANT WARNING	2.00	EA N	26,030	
DAX CABLE	1.00	EA N	2,648	
DAX MODULE	2.00	EA N	2,340	
DAX RELAYS	7.00	EA N	3,500	
DC TRACK CIRCUIT	1.00	EA N	1,500	
DUMMY LOAD	1.00	EA N	412	
FIELD MATERIAL	1.00	LS N	3,073	
FOUNDATION	2.00	EA N	970	
GATE KEEPER	1.00	EA N	1,775	
GATE MECH. MODEL 95 COMPLETE	1.00	EA N	5,400	
LAMP RESISTOR	1.00	EA N	761	
LED LIGHT ADJUSTMENT	18.00	EA N	4,032	
LED LIGHT GATE KIT	3.00	EA N	1,098	

LIGHT OUT DETECTOR	1.00	EA N	682	
RECORDER	1.00	EA N	2,220	
SHUNT, NBS	2.00	EA N	1,058	
SIDE LIGHT	1.00	EA N	421	
MATERIAL HANDLING			79	
ONLINE TRANSPORTATION			28	
USE TAX			5,180	
OFFLINE TRANSPORTATION			967	

*****			85,363	85,363
OTHER				

CONTRACT ENGR.	1.00	EA N	5,000	
SURFACE ROCK	20.00	CY N	500	

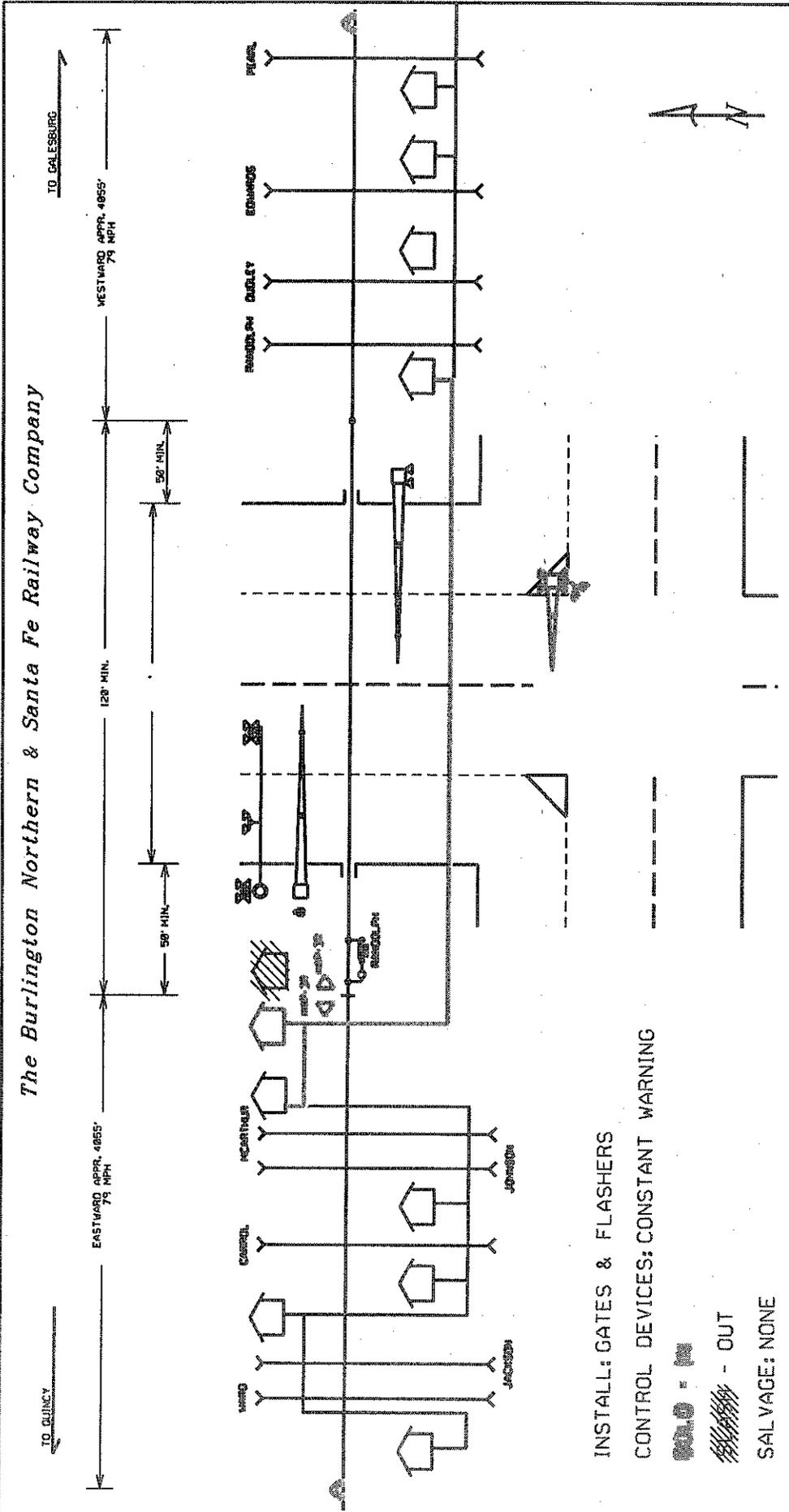
TOTAL OTHER ITEMS COST			5,500	5,500

PROJECT SUBTOTAL				147,328
CONTINGENCIES				14,732
BILL PREPARATION FEE				811

GROSS PROJECT COST				162,871
LESS COST PAID BY BNSF				24,431

TOTAL BILLABLE COST				138,440
				=====

The Burlington Northern & Santa Fe Railway Company



INSTALL: GATES & FLASHERS
CONTROL DEVICES: CONSTANT WARNING

DOT # 8 896 B

--- - OUT

SALVAGE: NONE

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

LAFAYETTE STREET
 DOT # 8 896 B

Warning device placement:
 Clearance to C.L. Track = Min. 12', Max. 20'
 Edge of Road to C.L. Foundation:
 Min. 4'3" with curb,
 Min. 8'3" without curb,
 Max. 12'

House Clearances:
 25' Min. to Near Rail
 30' Min. to Edge of Road
ALL LIGHTS TO BE LED

BNSF RAILWAY CO.
 MACOMB, IL.
 LAFAYETTE STREET
 LS: 0011
 M.P. 202.36
 DOT # 072 896 B
 DIVISION CHICAGO
 SUBDIVISION BROOKFIELD
 KANSAS CITY
 NO SCALE
 DATE: 02/03/06
 FILE: 0011202.36.dgn
 PAR/SJS

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***** MAINTAIN PROPRIETARY CONFIDENTIALITY *****

THE B. N. S. F. RAILWAY COMPANY
 FHPM ESTIMATE FOR
 ILLINOIS

LOCATION:- MP 200.46 TO EAST MACOMB DETAILS OF ESTIMATE PLAN ITEM: PSIO72897H VERSION: 1

PURPOSE, JUSTIFICATION AND DESCRIPTION

MONTHLY POWER UTILITY COST CENTER : 61690
 INSTALL CONSTANT WARNING AND FLASHER WITH GATES AT RANDOLPH STREET IN MACOMB IL. CHICAGO
 DIV., BROOKFIELD SUBDIV., L/S 0011, M.P. 202.27???.??, DOT # 072897H

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.
 CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.
 THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS, DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.
 THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR LABOR, MATERIAL, AND OVERHEAD.

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

THE STATE OF ILLINOIS IS FUNDING APPROXIMATELY 85% WITH BNSF FUNDING APPROXIMATELY 15% OF THIS PROJECT.

MAINTAIN PROPRIETARY CONFIDENTIALITY.

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$

LABOR				

ELECTRICAL LABOR F/POWER TRANS SYS	54.00	MH	1,277	
PLACE FIELD WELDS - CAP	96.00	MH	2,027	
PLACE OTM - CAP	17.44	MH	365	
PLACE RAIL - CAP	16.00	MH	321	
SIGNAL FIELD LABOR - CAP	784.00	MH	17,107	
SIGNAL SHOP LABOR - CAP	88.00	MH	1,989	
PAYROLL ASSOCIATED COSTS			18,621	
EQUIPMENT EXPENSES			5,778	
DA LABOR OVERHEADS			20,784	
INSURANCE EXPENSES			3,637	
TOTAL LABOR COST			71,906	71,906

MATERIAL				

PLUG RAIL, 136# INSULATED, BONDED, 40 FT	2.00	EA **	2,215	
RAIL, 136 LB NEW WELDED, PREMIUM :	80.00	LF **	1,324	
WELDKIT, ORGOTHERMITE, GENERIC WEIGHT	6.00	KT **	390	
BATTERY	1.00	EA N	5,032	
BUNGALOW 6X6	1.00	EA N	7,612	
BUNGALOW MATERIAL	1.00	LS N	3,399	
CABLE	1.00	EA N	2,070	
CHARGERS	1.00	LS N	810	
CONDUIT, PVC 4", SCH 80	60.00	FT N	234	
CONSTANT WARNING	2.00	EA N	26,030	
DAX CABLE	1.00	EA N	2,240	
DAX MODULE	2.00	EA N	2,340	
DAX RELAY	8.00	EA N	4,000	
DC TRACK CIRCUIT	1.00	EA N	1,500	
DUMMYLOAD	1.00	EA N	412	
FIELD MATERIAL	1.00	LS N	3,073	
FOUNDATION	2.00	EA N	970	
GATE KEEPER	2.00	EA N	3,550	
GATE MECH. MODEL 95 COMPLETE	2.00	EA N	10,800	

LAMP RESISTOR	1.00	EA N	761	
LED LIGHT ADJUSTMENT	8.00	EA N	1,792	
LED LIGHT GATE KIT	2.00	EA N	732	
LIGHT OUT DETECTOR	1.00	EA N	682	
MATERIAL FOR ELECTRICAL	1.00	EA	1,500	
RECORDER	1.00	EA N	2,220	
SHUNT, NBS	2.00	EA N	1,058	
MATERIAL HANDLING			270	
ONLINE TRANSPORTATION			28	
USE TAX			5,680	
OFFLINE TRANSPORTATION			1,062	

TOTAL MATERIAL COST			93,786	93,786

OTHER				

AC POWER SERVICE	1.00	EA	5,000	
CONTRACT ENGR.	1.00	EA N	5,000	
SURFACE ROCK	30.00	CY N	750	

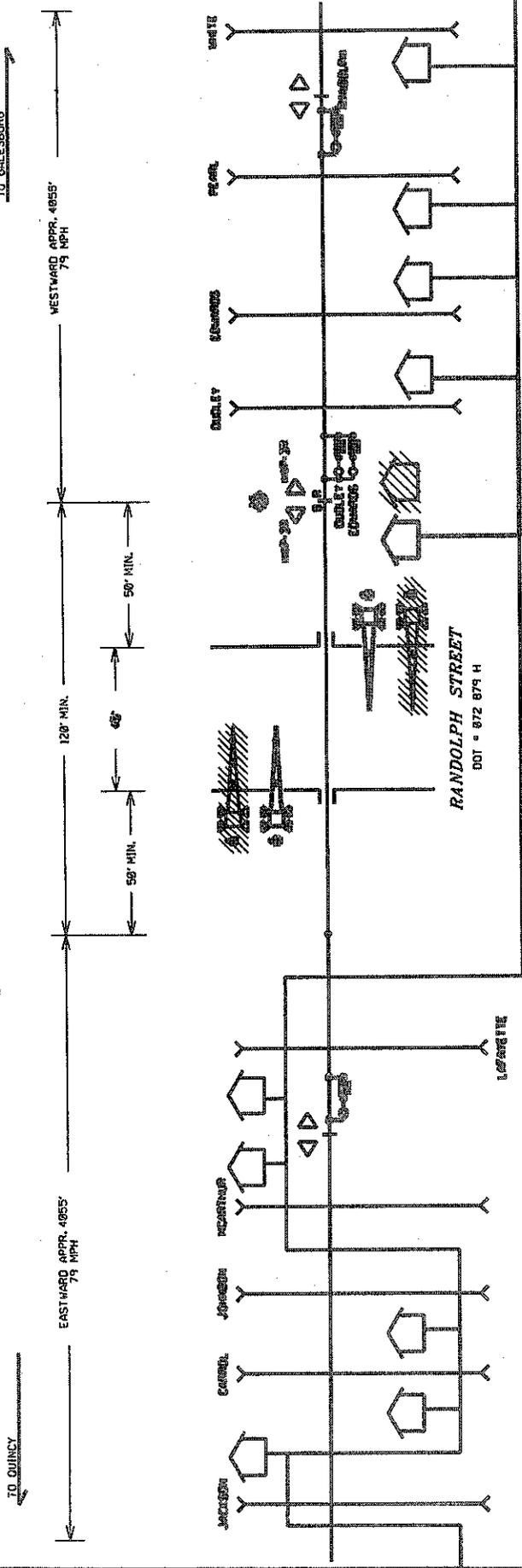
TOTAL OTHER ITEMS COST			10,750	10,750

PROJECT SUBTOTAL				176,442
CONTINGENCIES				17,644
BILL PREPARATION FEE				971

GROSS PROJECT COST				195,057
LESS COST PAID BY BNSF				29,259

TOTAL BILLABLE COST				165,798
				=====

The Burlington Northern & Santa Fe Railway Company



INSTALL: GATES & FLASHERS
 CONTROL DEVICES: CONSTANT WARNING

INSTRUMENT HOUSE

BELL

METER

CROSSING CONTROL CONNECTIONS

BIDIRECTIONAL CROSSING CONTROL

UNIDIRECTIONAL CROSSING CONTROL

COUPLER OR TERMINATION

GUARD RAIL

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. 4'3" with curb,
 Min. 8'3" without curb,
 Max. 12'
 House Clearance:
 25' Min. to Near Rail
 30' Min. to Edge of Road
 ALL LIGHTS TO BE LED



BNSF RAILWAY CO.
 MACOMB, IL.
 RANDOLPH STREET
 LS: 0011
 M.P. 202.27
 DOT # 072 897 N
 DIVISION CHICAGO
 SUBDIVISION BROOKFIELD
 KANSAS CITY
 NO SCALE
 DATE: 02/03/06
 FILE: 0011202.27.dgn
 PAR/SJS