

ORIGINAL

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JUL 6 2004

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-12177
T04-0020

Illinois Commerce Commission
RAIL SAFETY SECTION

Date: June 28, 2004

328490E

To the **ILLINOIS COMMERCE COMMISSION**:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes an application for authority to make a major change in crossing protection or to install new protection under 92 Illinois Administrative Code 1535.400(d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed protection to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Installation of Flashing Light Crossing Signals with Gates and 12" lenses. Front and back lamp assemblies on both signal masts at: Woodford Street in Decatur, Macon County, Illinois,

MP. SB-4.70, DOT: 328 490E

File No. 061-04.537 Project No. 04.0598

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for a hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to the crossing protection.

Norfolk Southern Railway Company

By 
R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191
(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company: Norfolk Southern Railway Company
2. Crossing Number: 328 490E
3. Village or City: Decatur
4. Name of Street or Highway: Woodford Street
5. Public Agency Maintaining Highway: City

6. Protection now established:

Reflectorized Cross Buck

7. Protection desired:

Automatic Flashing Light Warning Devices with Gates and Bell. Train Detection Equipment
controlled by Constant Warning Time Circuitry.

8. Number of main tracks One Other tracks None

9. Number of passenger movements:

6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None

10. Number of freight train movements:

6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. None

11. Approximate number of switch movements:

6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None

12. Maximum speed of trains at crossing on each track in each direction:

North/East 10 M.P.H.

South/West 10 M.P.H.

13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

3,950 A.A.D.T. including Trucks and Buses

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

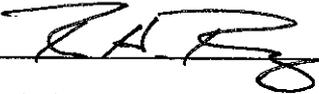
ADDITIONAL INFORMATION

Drawing attached for question no. 16

(File Original and Two Duplicates)

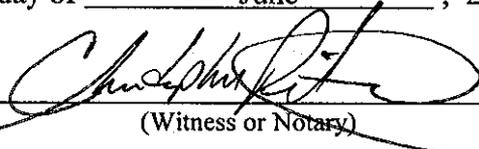
VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator - Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.



Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 28 th.
day of June, 20 04.

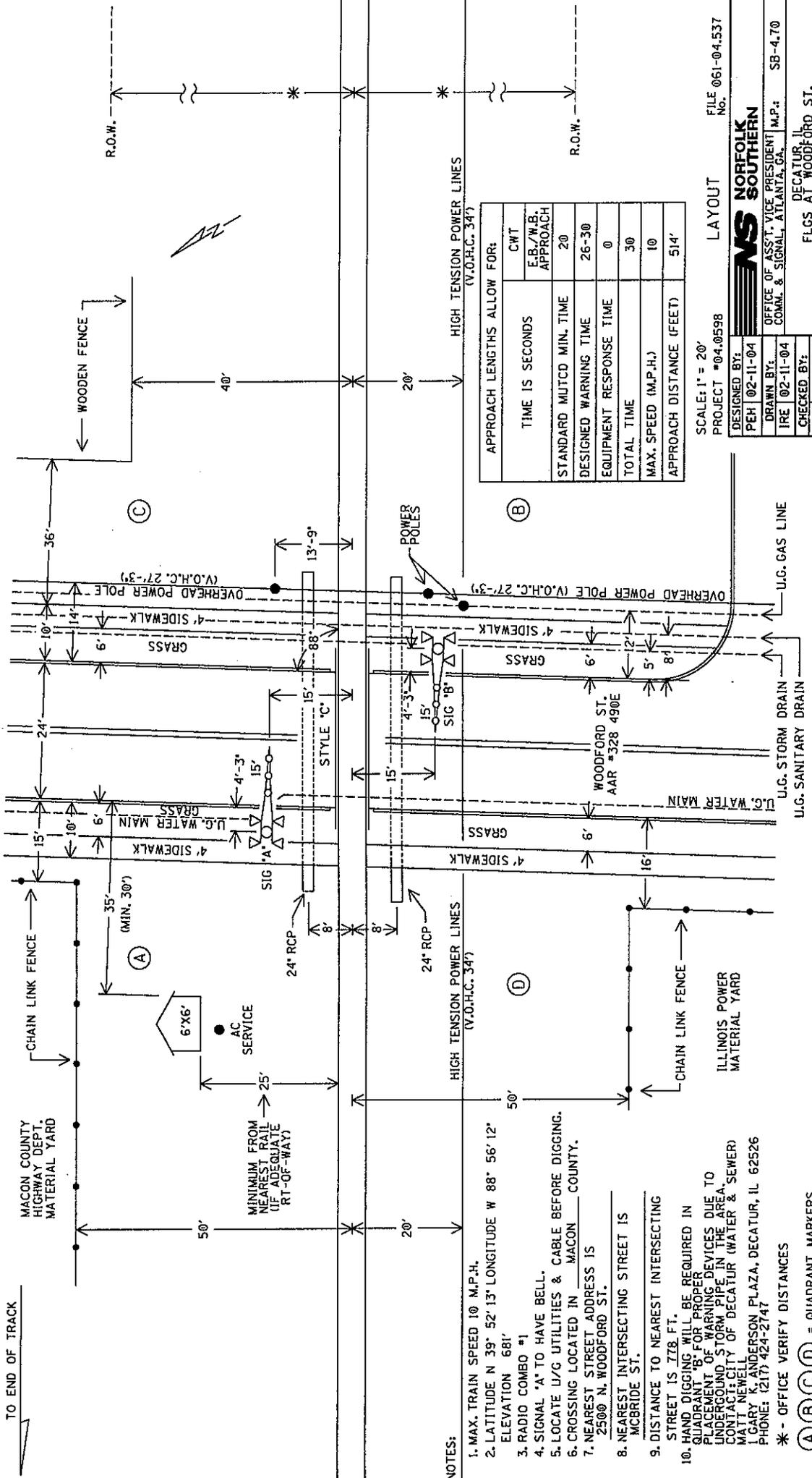


(Witness or Notary)

Notary Public - Georgia

My Commission Expires: _____

TO END OF TRACK



APPROACH LENGTHS ALLOW FOR:

TIME IS SECONDS	CWT
STANDARD MUTCD MIN. TIME	20
DESIGNED WARNING TIME	26-30
EQUIPMENT RESPONSE TIME	0
TOTAL TIME	30
MAX. SPEED (M.P.H.)	10
APPROACH DISTANCE (FEET)	514'

SCALE: 1" = 20'
 PROJECT #04.0598
 LAYOUT
 FILE #061-04.537
NORFOLK SOUTHERN
 OFFICE OF ASST. VICE PRESIDENT
 COMM. & SIGNAL, ATLANTA, GA. M.P.: SB-4.70
 DECATUR, IL
 FLGS AT WOODFORD ST.
 FILE R-
 SHEET No. 1 of 18
 CADD or Dwg. No. CS0821P.01

DESIGNED BY:	PEH 02-11-04
DRAWN BY:	IRE 02-11-04
CHECKED BY:	RDO 02-16-04
IN SERVICE:	
PROPERTY	NORFOLK SOUTHERN RAILWAY CO.

- NOTES:
- MAX. TRAIN SPEED 10 M.P.H.
 - LATITUDE N 39° 52' 13" LONGITUDE W 88° 56' 12" ELEVATION 681'
 - RADIO COMBO #1
 - SIGNAL 'A' TO HAVE BELL.
 - LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
 - CROSSING LOCATED IN MACON COUNTY.
 - NEAREST STREET ADDRESS IS 2500 N. WOODFORD ST.
 - NEAREST INTERSECTING STREET IS MCBRIDE ST.
 - DISTANCE TO NEAREST INTERSECTING STREET IS 178 FT.
 - HAND DIGGING WILL BE REQUIRED IN QUADRANT 'B' FOR PROPER PLACEMENT OF WARNING DEVICES DUE TO UNDERGROUND STORM PIPE IN THE AREA.
 - CONTACT: CITY OF DECATUR (WATER & SEWER) MATT NEWELL
 1 GARY K. ANDERSON PLAZA, DECATUR, IL 62526
 PHONE: (217) 424-2747
- * - OFFICE VERIFY DISTANCES
- (A) (B) (C) (D) = QUADRANT MARKERS

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TO END OF TRACK

514'
WOODFORD ST. -
APPROACH (TO
EDGE OF ROAD)

115 RE JOINTED

RING-10

FLGS

STYLE 'C'

WOODFORD ST.
AAR# 328 490E
M.P. SB-4.70
STYLE 'C'

FLGS

RING-10

112 RE JOINTED

RING-10

514'
WOODFORD ST. -
APPROACH (TO
EDGE OF ROAD)

1122' END OF TRACK

162' P.S.

62'

62'

62'

559'

END OF SURVEY
& RAIL CROSSING
(CNIC R/R)

PROFILE



DESIGNED BY:	PEH 02-11-04
DRAWN BY:	IRE 02-11-04
CHECKED BY:	RDO 02-16-04
IN SERVICE:	- -
FILE No.:	DECATUR, GA.
R- No.:	FLGS AT WOODFORD ST.
SHEET No.:	2 of 18
CADD or DWG. No.:	CS0821P.02

PROPERTY
NORFOLK SOUTHERN RAILWAY CO.

REVISION
INITIALS

Detailed Estimate for Grade Crossing Warning Devices

City/State: DECATUR, IL	Road: WOODFORD ST.
MilePost: SB-4.7	DOT/AAR: 328490E
State Proj. No.:	County: MACON
S&E Proj. No.: 04.0598	AFE: F02014
Man Days: 108	File Number: 061-04.537

*****Purchases - Other*****

Meals and Lodging:	\$9,410.00	
Rental of Equipment:	\$20,560.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 27 Days)		
Construction Supervision Vehicle:	\$390.00	
Contingencies:	\$590.00	
Purchases - Other Total:		\$30,950.00

***** Material and Additives*****

Material Cost:	\$58,220.00	
Sales and Use Tax:	\$2,910.00	
Material Handling _Freight:	\$2,910.00	
Material Total:		\$64,040.00

*****Labor and Additives*****

Labor Cost:	\$24,190.00	
(4 man crew at \$896.00 a day for: 27 days)		
Payroll Tax & Overheads:	\$20,940.00	
Preliminary Engineering:	\$7,250.00	
Construction Supervision:	\$6,830.00	
Labor Total:		\$59,210.00
Subtotal:		\$154,200.00
Credit:		\$0.00
(Salvage/Scrap)		
Project Total:		\$154,200.00

Estimated on: 28-Jun-04

Estimated by: enjab

Estimate valid for 1 year from date of estimate



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	DECATUR
Road:	WOODFORD ST.
Milepost:	SB-4.7
Drawing Number:	CS0821P
State Project Number:	
County:	MACON
A A R Number:	328490E
Project Number	04.0598
File Number:	061-04.537
A F E Number:	
Store Number:	
Supervisor:	L.W. HIMSTEDT
Tax Code:	1200
Vendor to supply the following copies after pricing:	
1 Set - Material Management with original invoice	
2 Sets - with plans shipped in car with material	
1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

26-Feb-04

Location: DECATUR IL S&E Proj. No.: 04.0598 AFE No.: CS0821P Drawing No.: CS0821P Vendor: Interrail Engineering, INC
 Store No.: P.O. Number: Date Required: Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.					
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE					
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAIN 076600-240017 OR					
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS					
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-04350					
85	670-065723-4	EA	\$2.69	\$228.78	BOND, HEAD 6 1/2"x3/16" SIGNAL ERICO PRODUCTS CATA SBS24882, CR 02-067252					
325	670-065872-4	LF	\$0.74	\$239.46	BONDSTRAND, 3/16 IN WIRE 4/64 IN PVC INSULATION OUTER WIRES TINNED ONLY, ALSO USED TO MAKE 4 AND 6 HOLD LONG BONDS.					
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE					
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS					
300	465-292862-4	LF	\$1.00	\$300.87	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR					
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL					
300	465-939422-4	LF	\$2.56	\$767.55	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL					
300	465-791835-4	FT	\$1.96	\$587.40	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W/010 BRZ TAPE 600V PRODUCT CODE 208-11-6070					
80	165-544477-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4					

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Location: DECATUR IL S&E Proj. No.: 04.0598 Drawing No.: CS0821P AFE No.: Vendor: Interrail Engineering, INC
 Store No.: P.O. Number: Date Required: Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
180	670-918555-4	EA	\$3.39	\$609.75	CONNECTOR, WEB TRACK 1IN X 4IN LONG, FOR SHUNT CONN TO RAIL, INCLUDES WELD METAL & MOLDS (ERICO #SBTBUBAA)					
3	670-090450-4	EA	\$49.62	\$148.87	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W					
3	670-486846-4	EA	\$40.66	\$121.98	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W					
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24 GATE STRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS					
4	670-760012-4	EA	\$34.90	\$139.59	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===== TO COVER 2 LAMPS=====					
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER					
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO					
2	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST					
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED					
6	640-547206-4	EA	\$388.96	\$2,333.78	JOINT, INSL 90RA 4H 1" BOLTS, 3M IRJ 3793, DRLD 5 1/2-5 3/4-5 1/2					
2	640-547339-4	EA	\$334.15	\$668.30	JOINT, INSL 115RE 6H 1" BOLTS 3M IRJ 1338, DRLD 6-6-7 3/8-6-6					
4	640-547280-4	EA	\$214.81	\$859.25	JOINT, INSL 112RE 4H POLY DRLD 6 1/2-5 3/8-6 1/2					
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200#AWIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206					
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS,)NE CAN BLUE MARKING PAINT ETC...					

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APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Drawing No.: CS0821P

AFE No.:

S&E Proj. No.: 04.0596

IL

Location: DECATUR

Vendor: Interral Engineering, INC

Date Shipped:

Date Required:

P.O. Number:

Store No.:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS					
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/ISC CLEAR RWY SIGNAL UJ-71463 GE					
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYPED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"					
2	670-637778-4	EA	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. STRAN P# 070519-11AX.					
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090					
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR					
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX					
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X					
2	670-555608-4	EA	\$41.11	\$82.22	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR					
1	165-103293-4	EA	\$44.47	\$44.47	PROTECTOR, LIGHTNING & SURGE LPC 10560-51, 3 ELECTRODE WITH SPADE TERMINAL					
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL					
3	670-602559-4	EA	\$93.82	\$281.45	RECTIFIER, ELECTRO-PNEUMATIC TRACK MODEL NO RING-10 TYPE C TRACK CIRCUIT					
4	465-002899-4	EA	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES					
1	670-742096-4	EA	\$38.50	\$38.50	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00					

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 Store No.: P.O. Number: Date Required: Date Shipped:

Qty.	Class-Item-CD	UI	Price per item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Special Instructions
							Date Quan.	Date Quan.	Date Quan.	
2	670-707995-4	EA	\$356.29	\$712.57	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @4000003					
1	640-011003-4	EA	\$171.82	\$171.82	ROD, SW PT TIE NO. 1 FOR 75-100 LB., 11 FT., 15 FT., & 24 FT. POINTS.					
1	640-011011-4	EA	\$130.71	\$130.71	ROD, SW PT TIE, NO. 2 FOR 75-100 LB., 11 FT., 15 FT., & 24 FT. POINTS, SRS PLAN 3-45					
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER					
1	670-213353-4	EA	\$4,505.01	\$4,505.01	SCX-1, EPC CONFIG."A" FOR 3 TK. TYPE "C" TRACK SYSTEMS, PLUS EXTRA ISLAND					
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1-ILOD, 1-BSX, 2-GTS, 2-MTSS, 1-GFT, 1-VHFC, 2-RECORDER INTERFACE MODULE, 1-ECHELON CONNECTOR					
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN W/ADJUSTABLE PIERS, SAFETRAN P/N 058400-68-78A					
3	670-586967-4	EA	\$34.74	\$104.23	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT					
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215					
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546					
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X					
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X					
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"					
2	670-478560-4	EA	\$19.47	\$38.94	TERMINAL BLOCK, ERICO 4 POST P/N B2700A2C1WH W/HARDWARE LESS LIGHTNING ARRESTOR					

APPROVED BY STATE APPROVED BY RAILROAD APPROVED BY RAILROAD CAR NUMBER SEAL NUMBER

Location: DECATUR IL S&E Proj. No.: 04.0598 Drawing No.: CS0821P Vendor: Interrail Engineering, INC
 AFE No.: Date Required: Date Shipped: P.O. Number:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
2	610-065626-4	EA	\$16.66	\$33.33	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY					
1	670-413201-4	EA	\$10,424.63	\$10,424.63	WIRED RACK, 6X6 FARADAY, MINUS PREDICTOR, SINGLE TRK, 20 AMP SSCCIII, 2 CRAGG CHARGER 2 RELAY RACKS, SAFTRAN P/N T15887, USE WITH J/S 670-786834-4, OR P/N 058400-66-76A, 670-281280-4 WRENCH, TEST POST TYPE B DWG 55393-3, GR.1					
1	450-986008-4	EA	\$7.35	\$7.35						

Total Material \$58,224.49

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