

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

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APR 23 2007

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-12585

Illinois Commerce Commission
RAIL SAFETY SECTION

706-0110

Date: April 4, 2007

To the ILLINOIS COMMERCE COMMISSION:

480158K

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 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 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:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: MLK Blvd., in Bloomington, McLean County, Illinois, DOT: 480158K, MP. SP-377.34

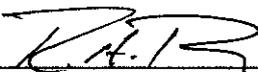
File No. 061-04.0522

Project No. 04.0543

- (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 hearing, and that the Commission enter an order or adopt at resolution consenting to and granting authority for the making of the said proposed changes in or additions to 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 480158K
- 3. Village or City Bloomington
- 4. Name of Street or Highway MLK Blvd.
- 5. Public Agency Maintaining Highway City
- 6. Protection now established:
Cantilevers only.
- 7. Protection desired: + C A A + S
Modify grade crossing warning devices, to include flashing lights with gates and bell controlled by constant warning time detection equipment.
- 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. None 6 p.m. to 6 a.m. None
- 11. Approximate number of switch movements:
6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. None
- 12. Maximum speed of trains at crossing on each track in each direction:
North/East 49 M.P.H Main
South/West 49 M.P.H.Main
- 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:

4900 AADT

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:

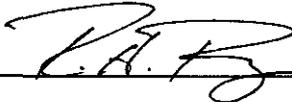
- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits 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

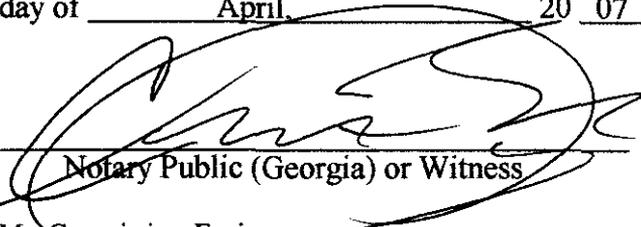
VERIFICATION

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 4 th.
day of April, 20 07.



Notary Public (Georgia) or Witness
My Commission Expires: _____



Detailed Estimate for Grade Crossing Warning Devices

City/State: BLOOMINGTON, IL
MilePost: SP-377.34
State Proj. No.: 96-00306-00-SP
S&E Proj. No.: 04.0543
Man Days: 120

Road: MLK DR.
DOT/AAR: 480158K
County: MCLEAN
AFE: F01225
File Number: 061-04.0522

Purchases - Others	
Meals and Lodging:	\$11,290.75
Rental of Equipment:	\$24,684.00
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 30 Days)	
Construction Supervision Vehicle:	\$1,974.72
Purchases - Other Total:	\$37,949.47
Material And Additives	
Material Cost:	\$109,382.00
Sales and Use Tax:	\$5,469.00
Material Handling Freight:	\$5,469.08
Material Total:	\$120,320.08
Labor And Additives	
Labor Cost:	\$29,040.00
(4 man crew at \$968.00 a day for: 30 days)	
Payroll Tax & Overheads:	\$28,647.96
Preliminary Engineering:	\$12,181.11
Construction Supervision:	\$8,197.99
Labor Total:	\$78,067.06
Project Cost:	\$236,336.61
Scrap / Salvage Credit:	\$0.00
Project Total:	\$236,336.61

Estimated on: 03-Apr-07

Estimated by: NDR3J

Estimate valid for 1 year from date of estimate



Norfolk Southern Railway
Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	BLOOMINGTON
Road:	MLK DR.
Mile Post:	SP-377.34
Drawing Number:	PEPS37734
State ProjectNumber:	96-00306-00-SP
County:	MCLEAN
A A R Number:	480158K
Project Number:	04.0543
File Number:	061-04.0522
New File Number:	CX0116629
A F E Number:	F01225
Store Number:	06692
Supervisor:	B.E. LANE
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&EGen. Supt. Construction w/copy of invoice	

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$5.04	\$15.12	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.				
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE				
7	670-119241-4	EA	\$32.80	\$229.60	ARRESTOR, LIGHTNING HEAVY DUTY CLEAR VIEW SAFETRAN 022585-1X				
13	105-871901-4	EA	\$161.57	\$2,100.41	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
1	670-080490-4	EA	\$155.25	\$155.25	BOX, JUNCTION 8 TERMINALS, WITH PEDESTAL @093463-11 SAFETRAN 091313-229X				
2	670-012675-4	EA	\$67.10	\$134.20	BRACKET CASTING, BREAKAWAY FOR ALUM/FIB ARM. NEG 385102ADP/6. GOES WITH 670-012659-4 FOR GATES >28'				
2	670-980689-4	EA	\$71.71	\$143.42	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE				
2	670-012659-4	EA	\$134.14	\$268.28	BRACKET, ALSO ORDER 670-012675-4 NEG 385102-175 FIB.-ALUM. GATE ARM CONVER. ASSM INC. ADAPT. CASTING. FOR GATES > 28'.				
1	670-356949-4	EA	\$97.00	\$97.00	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR				
600	465-292862-4	LF	\$1.04	\$624.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				
500	465-292929-4	LF	\$3.05	\$1,525.00	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL				
500	465-939422-4	LF	\$2.55	\$1,275.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
200	465-953191-4	LF	\$1.85	\$370.00	CABLE, UG 5 CONDUCTOR NO 9 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL FLAT				
300	465-791835-4	FT	\$2.22	\$666.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
1	670-092415-4	EA	\$4,193.65	\$4,193.65	CANTILEVER, WT/F ARM 30' W/WALKWAY KIT SAFETRAN #071274-30NS2				
1	670-443474-4	EA	\$4,633.85	\$4,633.85	CANTILEVER, WT/F ARM 34' W/WALKWAY KIT SAFETRAN #071274-34NS2				

APPROVED BY STATE _____ APPROVED BY RAILROAD _____ SEAL NUMBER _____

CAR NUMBER _____

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
1	670-007189-4	EA	\$180.02	\$180.02	CHOKER, BATTERY SAFETRAN NO. 62648				
160	165-544477-4	FT	\$2.55	\$408.00	CONDUIT, 4"X10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
4	670-090450-4	EA	\$50.38	\$201.52	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W				
4	670-486646-4	EA	\$41.62	\$166.48	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W				
1	670-012071-4	EA	\$592.90	\$592.90	CONVERTER, SINGLE UNIT DC EPC @3TC, 1 OUTPUT FOR ANY REASONABLE LENGTH TRACK CIRCUIT				
2	670-689122-4	EA	\$1,118.58	\$2,237.16	COUNTERWEIGHT PKAGE, 32-41 GATE STRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
1	670-009094-4	EA	\$210.92	\$210.92	COUPLER, PSO TUNED RECEIVER SAFETRAN NO. 7A355A-970HZ				
10	670-760012-4	EA	\$40.02	\$400.20	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===== TO COVER 2 LAMPS=====				
1	670-986650-4	EA	\$375.69	\$375.69	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER				
1	670-000004-4	EA	\$700.00	\$700.00	FCC LICENSE FOR MONITOR/RADIO				
5	670-000003-4	EA	\$255.85	\$1,279.25	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST				
1	670-744631-4	EA	\$2,706.00	\$2,706.00	FOUNDATION, CFLS FOR SAFETRAN MODEL "WT/F" ARMS 12' TO 30' SINGLE MAST, DIXIE# S-10-3WS-C, 5'10" CR 02-205902				
1	670-780292-4	EA	\$4,015.00	\$4,015.00	FOUNDATION, DIXIE, FOR LINCOLN DBL. AS WELL SAFETRAN WT/F MAST WALKOUT CANT. 31'- 40' 8 BOLT, DIXIE# DP8B-DM27-40-5				
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION, DIXIE, S-2 GATE 5'6" ASSEMBLED				
2	670-273865-4	EA	\$534.05	\$1,068.10	GATE, ARM NEG ALUMI-LITE (HIGH WIND) 34'-40' ARM ASSEMBLY WITH "3" NEG-2018 LIGHTS, INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8006A-404N/CG				
1	670-477991-4	EA	\$317.90	\$317.90	KIT, GROUNDING ASSY FOR AL 1/8 INCLUDES 8 GRD RDS, 200#4WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206				

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Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
2	670-123298-4	EA	\$256.93	\$513.86	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, JNE CAN BLUE MARKING PAINT ETC...				
2	670-719126-4	EA	\$473.73	\$947.46	LAMP ASSY, 4" JURY INSIDE LANE LIGHT, USE WITH W OR WT/F CANT,1W (FRONT) IND. 20" BKGRD, FLX-12 W/BULB S'TRAN# 042003-480XNS				
2	670-142763-4	EA	\$849.42	\$1,698.84	LAMP ASSY, 12" LIGHT, 2 WAY IND. FOR MTG ON THE TIP OF WT/F CANTILEVER ARM, SAFETRAN P/N 042003-488XNS				
2	670-816589-4	EA	\$551.10	\$1,102.20	LAMP ASSY, 5" MAST MTG. 1W IND. 20" BKGRD. (BACK) LTS.FLX -12W/BULB S'TRAN # 042003-001493				
2	670-167654-4	EA	\$716.73	\$1,433.46	LAMP ASSY, FLX 12" LIGHT UNIT, USE WITH W & WT/F MAST, 1W (FRONT) INDICATION FOR WT/F CANTILEVER MAIN MAST, SAFETRAN P/N 042003-489XNS				
6	165-643547-4	EA	\$4.30	\$25.80	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE				
5	670-440826-4	EA	\$1.01	\$5.05	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662				
8	255-590880-4	EA	\$16.12	\$128.96	LOCK, AMERICAN LOCK MODEL H-10KA KEYPED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"				
2	670-637778-4	EA	\$1,031.41	\$2,062.82	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.				
1	670-201210-4	EA	\$4,990.00	\$4,990.00	MAST, WT/F ARMS, 12 W/LADDER KIT FOR 21'-30', PN 071271-30NS				
1	670-250626-4	EA	\$5,995.00	\$5,995.00	MAST, WT/F ARMS, 12 W/LADDER KIT FOR 31'-37' WT/FARMS, PN 071271-40NS				
2	670-850933-4	EA	\$3,352.65	\$6,705.30	MECHANISM, GATE MODEL S-60, WITH DEFROSTER AND MINI TRACKSIDE SENSOR S'TRAN # 0740007-X002B3				
4	670-001355-4	EA	\$72.59	\$290.36	PACKAGE, HARDWARE SIGN 12 IN. (USE WITH WT/F MAST) MOUNTING, SERRMI A1250-8, HARMON @ 180004/0007.				
1	255-646807-4	EA	\$10.38	\$10.38	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				

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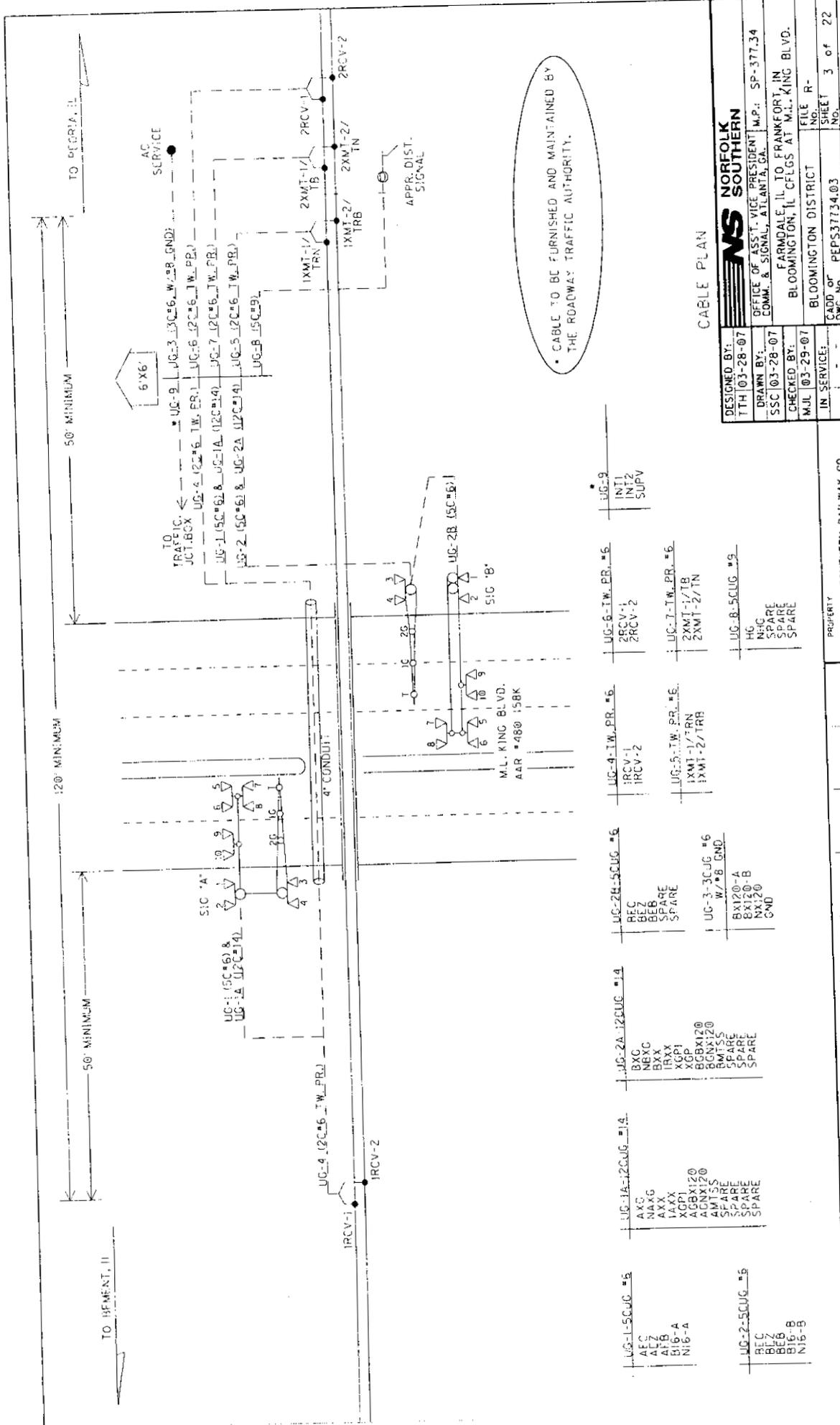
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
2	670-514605-4	EA	\$8.45	\$16.90	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X				
2	670-555609-4	EA	\$45.12	\$90.24	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR				
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL				
1	670-007618-4	EA	\$1,042.84	\$1,042.84	RECEIVER, PSO II SAFETRAN NO. 7A405-970HZ				
5	465-002899-4	EA	\$22.06	\$110.30	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
1	670-742096-4	EA	\$41.80	\$41.80	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00				
2	670-707995-4	EA	\$313.67	\$627.34	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @400003				
1	180-262645-4	EA	\$116.69	\$116.69	RESISTANCE UNIT, VARIABLE WSCD PL F-6504 REF FA UN-156682 2.5 OHM (SIGNAL ONLY)				
1	180-000029-4	EA	\$20.83	\$20.83	RESISTOR UNIT, 2W ADJUSTABLE SAFETRAN NO. 029602-6X FOR TRACK CIRCUITS CR 02-425807				
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER				
1	670-816502-4	EA	\$4,903.75	\$4,903.75	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1-iLOD, 1-eBELL, 2-GTS, WITHOUT MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1-ECHELON CONNECTOR				
1	670-085658-4	EA	\$373.00	\$373.00	SEARII, (iLOD) - INTELLIGENT LAMP OUT DETECTOR, SAFETRAN P/N A80271, 1 / 20 AMP SSSC, 2 / 40 AMP SSSC				
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 058400-66-78A				
2	670-586967-4	EA	\$37.68	\$75.36	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT				
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND				
2	670-397239-4	EA	\$40.23	\$80.46	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 12' MAST, SAFETRAN #T17216				
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546				

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 CAR NUMBER _____

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
2	670-751511-4	EA	\$35.58	\$71.16	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X				
2	670-006438-4	EA	\$11.09	\$22.18	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	\$15.68	\$15.68	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"				
10	670-478560-4	EA	\$19.47	\$194.70	TERMINAL BLOCK, ERICO 4 POST P/N B2700A2C1WH W/HARDWARE LESS LIGHTNING ARRESTOR				
2	165-917984-4	EA	\$4.84	\$9.68	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR				
2	610-065626-4	EA	\$17.55	\$35.10	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY				
7	670-007238-4	EA	\$129.46	\$906.22	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-				
1	670-255598-4	EA	\$33,124.18	\$33,124.18	WIRED RACK, 6X6 FARADAY, 40AMP DOUBLE TRK SSC3IIIA, GCP 3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 40A 2TRK, USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD				
1	450-986008-4	EA	\$24.84	\$24.84	WRENCH, TEST POST TYPE B DWG 55393-3, GR.1				

Total Material: \$109,381.66

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



* CABLE TO BE FURNISHED AND MAINTAINED BY THE ROADWAY TRAFFIC AUTHORITY.

CABLE PLAN

DESIGNED BY:	TTH 03-28-07
DRAWN BY:	OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.
CHECKED BY:	FARMDALE, IL TO FRANKFORT, IN
IN SERVICE:	BLOOMINGTON DISTRICT
FILE NO.:	PEPS37734.03
SHEET NO.:	3 of 22

PROPERTY:	NORFOLK SOUTHERN RAILWAY CO.
ADDITIONAL INFO:	

UG-1-5CUG #5	UG-1-5CUG #6	UG-2-5CUG #5	UG-3-3CUG #6	UG-4-1W, PR. #6	UG-5-1W, PR. #6	UG-6-1W, PR. #6	UG-7-1W, PR. #6	UG-8-5CUG #5	UG-9
REC	REC	HC	BX120-A	IRC V-1	IRC V-2	2RCV-1	2XMT-1/1TB	MC	INT 1
AFB	BBB	SPARE	BX150-B	IRC V-2	2XMT-2/1TB	2RCV-2	2XMT-2/1TB	SPARE	INT 2
N16-A	SPARE	W/#8 GND	CND	UG-5-1W, PR. #6	1XMT-1/1TRN	1XMT-2/1TRN	2XMT-2/1TRN	SPARE	SUPV
N16-B	UG-3-3CUG #6			1XMT-2/1TRN	1XMT-2/1TRN				
	W/#8 GND								

REVISION INITIALS