

**COPY**

Form 3

STATE OF ILLINOIS

ILLINOIS COMMERCE COMMISSION

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OCT 17 2006

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-12610  
T07-0045

Illinois Commerce Commission  
RAIL SAFETY SECTION

Date: October 13, 2006

To the ILLINOIS COMMERCE COMMISSION:

480013Y

The petitioner Norfolk Southern Railway Company shows

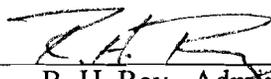
- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted 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: TR-68. in Palmer, Christian County, Illinois, DOT: 480013Y, MP. DH-413.24  
File No. 061-04.0578 Project No. 04.0140

- (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 a 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**

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 480013Y

3. Village or City Palmer

4. Name of Street or Highway TR-68

5. Public Agency Maintaining Highway City

6. Protection now established:

Crossbucks only.

7. Protection desired:

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 One

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. Eleven 6 p.m. to 6 a.m. Twelve

11. Approximate number of switch movements:

6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. One

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

North/East 60 M.P.H Main

South/West 60 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:

75 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

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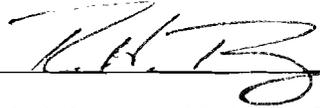
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**VERIFICATION**

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 13 th.  
day of October, 20 06.

  
\_\_\_\_\_  
Notary Public (Georgia) or Witness

My Commission Expires: \_\_\_\_\_

TO GRANITE CITY

HWY 48 (66' C OF RAIL)

TO DECATUR

U.G.F.O.C. LINE

U.G.F.O.C. LINE

R.O.W.

NOTES:

1. MAX. TRAIN SPEED 60 M.P.H.
2. LATITUDE N 39° 26' 60" LONGITUDE W 89° 25' 02" ELEVATION 609'
3. SIGNAL 'A' TO HAVE BELL.
4. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
5. CROSSING LOCATED IN CHRISTIAN COUNTY.
6. NEAREST STREET ADDRESS IS (NOT POSTED) CR630E 1000' (WEST)
7. NEAREST INTERSECTING STREET IS HWY 48 (WEST)
8. DISTANCE TO NEAREST INTERSECTING STREET IS 66 FT.

MAINLINE 132" R/C CWR

CABLE GATE

3' SLOPE/BALLAST LINE

9. 25 CU. YRDS. OF FILL IN QUADRANT 'A'  
5 CU. YRDS. OF FILL IN QUADRANT 'B'  
15 CU. YRDS. OF FILL IN QUADRANT 'D'
10. UTILITIES IN THE AREA CONTACT:  
POWER-AMEREN IP (800) 735-5000  
PHONE-ILLINOIS CONSOLIDATED (217) 235-4400  
GAS-AMEREN IP (217-424-6600
11. ADDITIONAL SPANS MAY NEED TO BE CONSTRUCTED BY POWER COMPANY TO OBTAIN AC AT THIS LOCATION.
12. TRAFFIC INTERCONNECT CIRCUITRY PROVIDED.
13. FIELD FORCES TO INSTALL 4" RIGID CONDUIT UNDER TRACK FOR II-DOT FUTURE USE AND SHOW PLACEMENT ON AS-WIRED PLANS.

(A) (B) (C) (D) = QUADRANT MARKERS

IN SERVICE \_\_\_\_\_ SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

S&E ENGINEERING COPY  
 CONSTRUCTION OFFICE COPY  
 RETURN TO S&E ENG. AFTER COMPLETION  
 FIELD COPY  
 RETURN TO CASE AFTER COMPLETION  
 PROJECT ENGINEER COPY

APPROACH LENGTHS ALLOW FOR:	
TIME IN SECONDS	CWT
	N.B. / S.B. APPROACH
STANDARD MUTCD MIN. TIME	20
DESIGNED WARNING TIME	30
EQUIPMENT RESPONSE TIME	5
TOTAL TIME	35
MAX. SPEED (M.P.H.)	60
APPROACH DISTANCE (FEET)	3087'
MIN. SIMULTANEOUS PRE-EMPT	NA

BO-IN  
X-1=JAT  
CP, 10-13-06

SCALE: 1" = 20'

LAYOUT

FILE No. 061-04,0578

DESIGNED BY: TAH 10-01-06  
 DRAWN BY: RSD 10-01-06  
 CHECKED BY: SAH 10-01-06  
 IN SERVICE: -

**NORFOLK SOUTHERN**

OFFICE OF ASS'T. VICE PRESIDENT  
 COMM. & SIGNAL, ATLANTA, GA. M.P.: D413.24

PAIMER, IL  
 GATES/FLS AT TR-68 (CR615E)

BROOKLYN DISTRICT FILE No. R-  
 CADD or DWG. No. BKDS41324.01 SHEET No. 1 of 19

RECEIVED  
OCT 17 2006

Illinois Commerce Commission  
RAIL SAFETY SECTION

TO GRANITE CITY

TO DECATUR

3087'  
TR-68  
APPROACH (TO  
EDGE OF ROAD)

3037'  
TO NEAREST  
GCP WIRES

3087'  
TR-68  
APPROACH (TO  
EDGE OF ROAD)

3037'  
TO NEAREST  
GCP WIRES

FLGS

3000D2 GCP

156 HZ  
4.9 KHZ

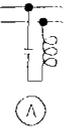
FLGS

TR-68  
(CR615E)  
AAR \*480 @13Y

CR630E  
AAR \*480 @12S

M.P.  
D-413

APP.  
5TH ST.



0' 3'

693'

1220'

2033'

(A) - MF-NBS 62775-8621 (156HZ)

(B) - NBS 211HZ

PROFILE

DESIGNED BY: TAH 10-01-06	<b>NORFOLK SOUTHERN</b>
DRAWN BY: RSD 10-01-06	
CHECKED BY: SAH 10-01-06	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA. M.P.: D413.24
IN SERVICE:	PALMER, IL GATES/FLS AT TR-68 (CR615E)
	BROOKLYN DISTRICT
	FILE NO. R-
	CADD or DWG. No. BKDS41324.02
	SHEET No. 2 of 19

REVISION INITIALS										
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PROPERTY  
NORFOLK SOUTHERN RAILWAY CO.



12-Oct-06

**Detailed Estimate for Grade Crossing Warning Devices**

City/State: PALMER, IL

Road: TR-68

MilePost: D-413.24

DOT/AAR: 480013Y

State Proj. No.:

County: CHRISTIAN

S&E Proj. No.: 04.0140

AFE: F03516

Man Days: 88

File Number: 061-04.0578

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$8,279.88
Rental of Equipment:	\$18,101.60
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 22 Days)	
Construction Supervision Vehicle:	\$1,448.13
<b>Purchases - Other Total:</b>	<b>\$27,829.61</b>
<b>***Material And Additives***</b>	
Material Cost:	\$77,483.00
Sales and Use Tax:	\$3,874.00
Material Handling Freight:	\$3,874.16
<b>Material Total:</b>	<b>\$85,231.16</b>
<b>***Labor And Additives***</b>	
Labor Cost:	\$21,296.00
(4 man crew at \$968.00 a day for: 22 days)	
Payroll Tax & Overheads:	\$21,008.50
Preliminary Engineering:	\$8,692.57
Construction Supervision:	\$6,011.86
<b>Labor Total:</b>	<b>\$57,008.93</b>
Project Cost:	\$170,069.70
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$170,069.70</b>

Estimated on: 12-Oct-06

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:	PALMER
Road:	TR-68
Mile Post:	D-413.24
Drawing Number:	BKDS41324
State ProjectNumber:	
County:	CHRISTIAN
A A R Number:	480013Y
Project Number:	04.0140
File Number:	061-04.0578
A F E Number:	F03516
Store Number:	07811
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	

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.	Date Quan.		
3	670-360693-4	EA	\$5.04	\$15.12	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY S'TRAN.						
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE						
3	670-119241-4	EA	\$32.80	\$98.40	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 VOLT						
2	670-561375-4	EA	\$1,197.90	\$2,395.80	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS						
2	670-000977-4	EA	\$63.27	\$126.54	BRACKET, HIGH WIND SUPPORT HARMON @54-00139, SE. RMI @50044 SAFETRAN 076203-518X						
1	670-356949-4	EA	\$97.00	\$97.00	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR						
300	465-292862-4	LF	\$1.04	\$312.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR						
300	465-292929-4	LF	\$3.05	\$915.00	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL						
300	465-939422-4	LF	\$2.55	\$765.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						
300	465-791835-4	FT	\$2.22	\$666.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070						
120	165-544477-4	FT	\$2.55	\$306.00	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
30	670-100000-4	EA	\$2.00	\$60.00	CONDUIT, PRE-EMPTION - STATE OF ILLINOIS , 4" x 10' PVC						
2	670-090450-4	EA	\$50.38	\$100.76	CONNECTOR,WELDED FAR RAIL HARMON A1000-2W						
2	670-486646-4	EA	\$41.62	\$83.24	CONNECTOR,WELDED NEAR RAIL HARMON A1000-1W						
2	670-793404-4	EA	\$838.37	\$1,676.74	COUNTERWEIGHT PKAGE, 17-24'GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS						
4	670-760012-4	EA	\$40.02	\$160.08	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. =====TO COVER 2 LAMPS=====						

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

Location: PALMER

IL

S&amp;E Proj. No.: 04.0140

AFE No.: F03516

Drawing No.: BKDS41324

Store No.: 07811

P.O.Number:

Date Required:

Date Shipped:

Vendor: Railroad Signal Design

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.	Date Quan.		
2	670-986650-4	EA	\$375.69	\$751.38	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						
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION,DIXIE,S-2 GATE 5'6" ASSEMBLED						
2	670-257031-4	EA	\$297.88	\$595.76	GATE, ARM FIBERGLASS-ALUMINUM 17-24 FT., INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8002-244NFS/CG						
1	670-477991-4	EA	\$317.90	\$317.90	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS,200'#4WIRE,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...						
2	670-764166-4	EA	\$907.65	\$1,815.30	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS						
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						
10	670-440826-4	EA	\$1.01	\$10.10	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662						
4	255-590880-4	EA	\$16.12	\$64.48	LOCK, AMERICAN LOCK MODEL H-10KA KEYED 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.						
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						
1	670-000001-4	EA	\$316.23	\$316.23	MISC. MATERIAL						
2	670-001347-4	EA	\$63.27	\$126.54	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$10.38	\$10.38	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date	Date	Date		
						Quan.	Quan.	Quan.			
1	670-514605-4	EA	\$8.45	\$8.45	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X						
1	670-555609-4	EA	\$45.12	\$45.12	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR						
1	670-000013-4	EA	\$10,234.00	\$10,234.00	POLELINE CONSTRUCTION BY LOCAL POWER COMPANY FOR SERVICE						
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL						
4	465-002899-4	EA	\$22.06	\$88.24	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
1	670-742096-4	EA	\$41.80	\$41.80	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00						
1	670-707995-4	EA	\$313.67	\$313.67	RELAY, TYPE B1, NEV LINE, 900 OHMS, .008 AMPERES GRS A62-308 OR SAFETRAN @400003						
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	670-281280-4	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	670-645460-4	EA	\$596.03	\$1,192.06	SHUNT, MULTI-FREQ. #62775-8621 SAFETRAN NARROW BAND						
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	670-006438-4	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	\$11.50	\$11.50	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"						
5	670-478560-4	EA	\$19.47	\$97.35	TERMINAL BLOCK, ERICO 4 POST P/N B2700A2C1WH W/HARDWARE LESS LIGHTNING ARRESTOR						

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

Location: PALMER

IL

S&E Proj. No.: 04.0140

AFE No.: F03516

Drawing No.: BKDS41324

Store No.: 07811

P.O.Number:

Date Required:

Date Shipped:

Vendor: Railroad Signal Design

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.	Date Quan.		
1	165-917984-4	EA	\$4.84	\$4.84	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR						
1	610-065626-4	EA	\$17.55	\$17.55	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY						
4	670-007238-4	EA	\$129.46	\$517.84	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-						
1	670-258957-4	EA	\$25,580.50	\$25,580.50	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A 1TRK, USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD						

Total Material: \$77,483.21

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER