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NOV 26 2008

Illinois Commerce Commission  
RAIL SAFETY SECTION

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

X-12813

TO8-0160

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

Date: September 22, 2008

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 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

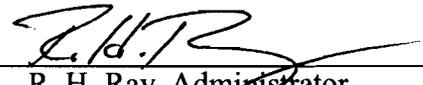
at: Shiloh Station Road. in Shiloh, St. Clair County, Illinois, DOT: 724601K, MP. 22.01W

File No. CX0104832 Project No. 04.0620

- (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**

**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 724601K
3. Village or City Shiloh
4. Name of Street or Highway Shiloh Station Road
5. Public Agency Maintaining Highway County
6. Protection now established:  
Flashing Lights
7. Protection desired:  
Install 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. Eight 6 p.m. to 6 a.m. Seven
11. Approximate number of switch movements:  
6 a.m. to 6 p.m. Zero 6 p.m. to 6 a.m. Zero
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

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

900 AADT

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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**

Drawings attached for question no. 16

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(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 22 nd  
day of September 20 08.

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

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



**Detailed Estimate for Grade Crossing Warning Devices**

City/State: SHILOH, IL  
MilePost: 22.01-W  
State Proj. No.:  
S&E Proj. No.: 04.0620  
Man Days: 104

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Illinois Commerce Commission  
RAIL SAFETY SECTION

Road: SHILOH STATION RD.  
DOT/AAR: 724601K  
County: ST. CLAIR  
AFE: F10966  
File Number: 061-04.0055

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$13,328.64
Rental of Equipment:	\$23,602.80
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 26 Days)	
Construction Supervision Vehicle:	\$8,238.77
<b>Purchases - Other Total:</b>	<b>\$45,170.21</b>
<b>***Material And Additives***</b>	
Material Cost:	\$101,153.00
Sales and Use Tax:	\$5,058.00
Material Handling Freight:	\$5,057.67
<b>Material Total:</b>	<b>\$111,268.67</b>
<b>***Labor And Additives***</b>	
Labor Cost:	\$27,768.00
(4 man crew at \$1,068.00 a day for: 26 days)	
Payroll Tax & Overheads:	\$36,887.01
Preliminary Engineering:	\$11,345.08
Construction Supervision:	\$15,555.63
<b>Labor Total:</b>	<b>\$91,555.72</b>
Project Cost:	\$247,994.60
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$247,994.60</b>

Estimated on: 22-Sep-08

Estimated by: nam27

**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:	SHILOH
Road:	SHILOH STATION RD.
Mile Post:	22.01-W
Drawing Number:	SE6829P
State ProjectNumber:	
County:	ST. CLAIR
A A R Number:	724601K
Project Number:	04.0620
File Number:	061-04.0055
New File Number:	CX0104832
A F E Number:	F10966
Store Number:	08289
Supervisor:	J.E. BROWNE
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	

Location: SHILOH

IL

S&amp;E Proj. No.: 04.0620

AFE No.: F10966

Drawing No.: SE6829P

Store No.: 08289

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	Date	Date		
						Quan.	Quan.	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						
1	610-056131-4	EA	\$31.54	\$31.54	ADAPTOR KIT, ANGLE MEMBER CABLEWAVE						
3	670-119241-4	EA	\$33.22	\$99.66	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						
50	670-065723-4	EA	\$3.37	\$168.50	BOND, HEAD 6 1/2"x3/16",SIGNAL ERICO PRODUCTS CATA SBS24882, CR 02-067252						
100	670-065872-4	LF	\$0.87	\$87.00	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	670-561375-4	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	\$112.77	\$225.54	BRACKET, HIGH WIND SUPPORT HARMON @54-00139, SERRMI @50044 SAFETRAN 076203-518X						
1	670-356949-4	EA	\$63.77	\$63.77	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR						
500	465-292862-4	LF	\$1.04	\$520.00	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						
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	\$3.41	\$409.20	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
80	165-544477-4	FT	\$2.55	\$204.00	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: SHILOH

IL

S&amp;E Proj. No.: 04.0620

AFE No.: F10966

Drawing No.: SE6829P

Store No.: 08289

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	Date	Date		
25	670-918555-4	EA	\$3.70	\$92.50	CONNECTOR, WEB TRACK 1IN X 4IN LONG, FOR SHUNT CONN TO RAIL, INCLUDES WELD METAL & MOLDS (ERICO #SBTBBU4A)						
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	\$858.75	\$1,717.50	COUNTERWEIGHT PKAGE, 17-24'GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS						
2	670-200871-4	EA	\$651.05	\$1,302.10	COUPLER 211HZ TUNABLE INS. JT. BYPASS, SAFETRAN 62785						
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----						
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						
2	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-012732-4	EA	\$317.90	\$635.80	FILTER, ELECTRO CODE 211HZ REJECTION PART# TF-211						
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION,DIXIE,S-2 GATE 2'6"X2'6"X5'6" ASSEMBLED						
2	670-263738-4	EA	\$381.04	\$762.08	GATE, ARM FIBERGLASS-ALUMINUM 25-31 FT. INCLUDES GATE GUARD FOR GATE LIGHT CABLE, 076600-320017, NEG P/N 8002-4NFS/CG						
1	670-976662-4	EA	\$29,298.98	\$29,298.98	GCP 4000 1 TRK, REDUNDANT, (2TRK CHASSIS), WIRED RACK FOR 6X6 FARADAY, 2 EA SSCCIII, 2 EA 20 AMP CRAIG CHARGER, WITH SEAR Iii, 2 RELAY RACKS, SAFETRAN T18807						
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...						
1	670-408973-4	EA	\$510.88	\$510.88	LAMP ASSY, 4" JURY MAST MTG. 1W IND. 24" BKGRD, FLX-12 W/BULB. S'TRAN #042003-480X						

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Location: SHILOH

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Drawing No.: SE6829P

Store No.: 08289

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	Date	Date		
						Quan.	Quan.	Quan.			
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	\$1.02	\$10.20	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"						
1	610-156588-4	EA	\$1,059.34	\$1,059.34	MAST, 5" ALUMIMUM (O&O) FOR LIGHT UNIT AND BRACKET WITH DBL. JCT. BOX BASE #070519-203X-2						
1	670-637778-4	EA	\$1,031.41	\$1,031.41	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.						
1	670-000985-4	EA	\$207.42	\$207.42	MAST, SIDELIGHT BRACKET F/5"MT. HARMON @225834-XXX, SAFETRAN 041442-26X,						
1	670-850933-4	EA	\$3,404.11	\$3,404.11	MECHANISM, GATE MODEL S-60, WITH DEFROSTER AND MINI TRACKSIDE SENSOR S'TRAN # 0740007-X002B3						
2	970-000004-4	EA	\$2,046.80	\$4,093.60	MISC. EXPENSE FOR CULVERT RELOCATION / EXTENSION. 1 SIDE OF TK.						
5	670-000001-4	EA	\$316.23	\$1,581.15	MISC. MATERAIL/FILL						
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						
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	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						

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AFE No.: F10966

Drawing No.: SE6829P

Store No.: 08289

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	Date	Date		
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	670-027556-4	EA	\$2,952.82	\$2,952.82	SEARIII ACCESSORY PACKAGE, W/2-ILOD, 1-E-BELL, 2-GTS, 1-GFT, 1-VHFC, WITHOUT MTSS/SEAR UNIT						
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, ,SAFTETRAN 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						
1	670-652773-4	EA	\$475.55	\$475.55	SHUNT, MULTI-FREQ. #62775-1543 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"						
1	670-478560-4	EA	\$19.52	\$19.52	TERMINAL BLOCK, ERICO 4 POST P/N B2700A2C1WH W/HARDWARE LESS LIGHTNING ARRESTOR						
1	165-917984-4	EA	\$4.89	\$4.89	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						
1	670-007238-4	EA	\$131.41	\$131.41	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-						
1	670-255408-4	EA	\$27,694.19	\$27,694.19	WIRED RACK, 6X6 FARADAY, 40AMP SINGLE TRK SSCCIIIA, GCP 3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 40A 1TRK ,USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD						

Total Material: \$101,357.40

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Illinois Commerce Commission  
RAIL SAFETY SECTION

NORFOLK SOUTHERN CORPORATION

C&S DEPARTMENT  
OFFICE OF S&E ENGINEERING  
ATLANTA, GA

RAILROAD/HIGHWAY GRADE CROSSING CHECKLIST  
(Rev. 3/30/06)

LOCATION SHILOH STATION ROAD  
CITY/STATE SHILOH, IL AAR# 724 601K  
NS PROJECT # 04.0620 MILEPOST 22.01-W  
SURVEYED BY JAMES DEPRIEST DATE 8-8-08  
NAME/TITLE OF ACCOMPANYING NORFOLK SOUTHERN REPRESENTATIVE, IF PRESENT. MTR: JASON BROWNE CELL# 618-401-8027  
NAME, COMPANY, AND PHONE # OF UTILITY REPS IF PRESENT. (Obtain business cards if possible.) ILLINOIS ONE CALL 800-892-0123  
Notified : 4:15 P.M. , 08-04-08  
Operator : BEVERLY  
Locate # : A2172660

IT IS THE RESPONSIBILITY OF THE SURVEY CONTRACTOR TO CONTACT THE APPROPRIATE NS SIGNAL SUPERVISOR AND OFFER HIM/HER THE OPPORTUNITY TO BE PRESENT DURING THE SURVEY. IF THE CONTRACTOR HAS DIFFICULTY CONTACTING THE SUPERVISOR, THE APPROPRIATE GENERAL SUPERVISOR SHOULD BE CONTACTED FOR ASSISTANCE. IF NEITHER CAN BE CONTACTED, THE CONTRACTOR MAY CALL THE NS S&E ENGINEERING OFFICE FOR ASSISTANCE.

IT IS THE RESPONSIBILITY OF THE SURVEY CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES MARKED PRIOR TO CONDUCTING THE SURVEY.

WHEN REFERENCING QUADRANTS, USE COMPASS DIRECTION AS WELL AS SIGNAL NOMENCLATURE, IF APPLICABLE.

- 1. Are there any obstructions to the visibility of the proposed signals? No

It is the responsibility of the surveying contractor to obtain the name, company, phone number and address of the individual to be contacted for the relocation/removal of all sight obstructions.

- a. Description of visual obstruction(s). N/A

b. What must be done to the sight obstruction in order to provide acceptable sight distance for the signal(s) involved? N/A

\_\_\_\_\_

c. **Name, title, company, address and phone number** of the person to be contacted to have visual obstruction removed/relocated. N/A

\_\_\_\_\_

d. Show pertinent measurements of the obstruction(s) from edge of road and centerline of track on the required field sketch.

2. Fill required? YES

a. How much fill and where? (Cubic Yards) 15 CYD'S FOR PROPOSED WARNING DEVICE IN QUAD "B", 10 CYD'S FOR PROPOSED WARNING DEVICE IN QUAD "A" AND 10 CYD'S FOR HOUSE IN QUAD "A".

\_\_\_\_\_

3. Berm wall required? NO

a. How large a berm wall and where? (length & height) N/A

\_\_\_\_\_

4. Will drainage be affected? YES

a. Will culverts have to be extended or relocated? NO

b. If yes to 4 or 4a above, give details as to what must be done in order to allow proper installation of signals. Include size and type of pipe. \_\_\_\_\_

DRAINAGE DITCH IN QUAD "B" IS 4' AWAY FROM EXISTING WARNING DEVICE AND NEEDS TO BE REROUTED 2'6" FURTHER AWAY FROM PROPOSED WARNING DEVICE.

\_\_\_\_\_

5. Are there **ANY PUBLIC UTILITIES** overhead or underground that will conflict with the installation of this project? NO

It is the responsibility of the surveying contractor to have all underground utilities marked prior to the survey, or have underground utilities located during the survey, in order to identify potential conflicts. If it is determined that there will be utility conflicts, **the surveying contractor is responsible for obtaining the name, title, company, address and current phone number of the individual responsible for the relocation of that utility.**

a. Are there overhead lines/cables present that will conflict with the proposed signals? No. Reference NS drawing GS-1600-30 for required clearances. If Yes, describe. N/A

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. **Name, title, company, address, and phone number** of the individuals to be contacted to have overhead utilities relocated. \_\_\_\_\_  
AMERON IP (ILLINOIS POWER) 800-735-5000  
AT&T (PHONE) 888-757-6500

c. Show pertinent measurements involving the overhead conflict on the required field sketch. Include height of line/cable from the ground and posted utility pole information.

6. Are there underground utilities present that will conflict with the proposed signals? No. If Yes, describe. N/A

\_\_\_\_\_  
\_\_\_\_\_

a. **Name, title, company, address, and phone number** of the individual to be contacted to have underground utilities relocated. \_\_\_\_\_  
AT&T (PHONE) 888-757-6500  
AT&T TRANSMISSION (FIBER) 800-252-1133

b. Show pertinent measurements involving the underground conflict on the required field sketch.

7. Will the railroad pole line interfere with the installation of proposed signals? No. If Yes, what must be done to correct? N/A

\_\_\_\_\_  
\_\_\_\_\_

a. If railroad pole line is present, show arrangement of lines on crossarms on the required field sketch.

8. Are there railroad ( ) or commercial (X) high-tension lines in the immediate area?

YES

9. Are there railroad ( ) or commercial ( ) substations in the immediate area?

NO

10. Mines or spurs in the area? NO

11. River locks? NO

12. Condition of existing crossing warning signals and instrument case/shelter, if applicable. (This is especially important if the state is requesting we reuse existing equipment or if we must wire new circuitry into existing shelters/cases) Take legible pictures of existing equipment including inside shelter if possible.

FLS ARE IN GOOD CONDITION.

4'X6' HOUSE (STEEL) IS IN FAIR CONDITION (NOT IN SERVICE)

4' CASE (STEEL) IN POOR CONDITION

a. Diameter of existing masts? 4" Made of cast ( ) or aluminum (X)?  
Length of existing cantilever arm N/A and/or gate arm? N/A

b. If existing cantilevers are to be reused, is the distance from the bottom of the walkway to the roadway crown at least 17'? N/A. Also, show arrangement and measurements of bolt hole spacing on required field sketch.

c. Manufacturer and model of equipment if it is to be reused.

d. Lamp size: 8-3/8" N/A 12" 10 QT.

e. If there are existing signals are any of the foundations poured? NO. If yes, which quadrant? N/A

f. If existing mechanism and gates are to be reused is the gate height in the horizontal (down) position between 3-1/2' and 4-1/2'? N/A. If No, what modifications will be required? N/A

13. Sidelights required (state requested, existing sidelights or meets \*NS requirement)? YES

a. Distance between track and side road that sidelights protect? 41 ft

Note\*: If the distance from the nearest edge of a side road to the nearest centerline of tracks is 50' or less.

If parallel roadway exists, **MAKE CERTAIN** there is sufficient room to install signal in that quadrant per MUTCD clearances. Said clearances are required to the front as well the side of signals.

14. Does the project location have curbing ( ) or sidewalks ( ) present? NO If sidewalks are present, will they interfere with the installation of the proposed signals? N/A If so, explain. N/A

15. Width of road? 18' NORTH/ 22' SOUTH
- a. Does present road width differ from proposed road width? No.
- b. Type and width of road shoulder, if present. GRASS AND GRAVEL
- c. Type of road surface? ASPHALT
- d. Is DOT/AAR # posted on crossbuck/signal mast? Yes. If yes, does it match the DOT/AAR # given to you for this survey? Yes.

16. Are gauge rods present? Yes. Insulated X Non-insulated

17. Rail size if insulated joints are involved. (Specify bolt spacing below and show location on required field sketch.) \_\_\_\_\_

- a. Are rusty rail conditions present? No. If yes, contract design engineer to call NS engineering office to discuss type of circuitry to be used (be sure to take legible pictures to support your findings).
- b. Type of rail and bonds in service. 132#RE CWR
- c. Do involved switches require insulation? N/A. If yes, specify bolt hole spacing below, rail size and show on required field sketch.
- d. Is there an end-of-siding control point in the approach? No. If Yes, show in detail on survey sketch the OS track circuit including track connections, fouling wires and insulated joints with measurements.
- e. Distance between tracks at crossing, if applicable. N/A \_\_\_\_\_ ft
- f. Any shunt-type switches within crossing approach? No.



18. Ballast conditions. GOOD

19. Quadrant in which instrument shelter should be set. QUAD "A"

- a. Quadrant/location where the equipment container can be set during construction. QUAD "A"

20. Is commercial power available at crossing? YES.
- a. If Yes and an existing service is in place, is it in good condition? YES.
- b. If No, from where and how far must it come to service this installation? 92' N OF XING
- 
- c. If additional spans must be constructed to obtain power at this crossing, provide **name, title, company, address, and phone number** of the individual to be contacted for said construction. AMERON IP (ILLINOIS POWER) 800-755-5000/ 217-872-2371  
2405 E. FEDERAL DR., DECATUR, IL  
WILL PUT IN TOUCH W/ENGINEER.
- 
21. Any joint RR facilities within 1 mile? No. If Yes, how are maintenance responsibilities divided? N/A
- 
- a. Does the foreign RR cross or go parallel, etc. N/A
- 
22. "U.S. Coast Guard and Geologic Survey" markers present? No. Do not remove. Show location and record information from the face of the marker on the required field sketch.
23. Any electrified roads or transits in area? YES
24. Any pipelines parallel to track? NO
25. Joint trackage arrangement with another railroad? No. If Yes, name of foreign railroad. N/A
26. Is traffic preemption/interconnection circuitry requested by the state or existing? No. If Yes, distance from track to intersection. 41 Ft
27. Is the crossing in city limits? NO
- a. Township (if applicable) SHILOH VALLEY
28. What is the nearest street/house/business address number, if available (within a one mile radius)? 1000 SHILOH STATION ROAD 200' (SOUTH)  
(RESIDENCE)
- 
29. What is the **name** and **distance** from subject grade crossing to the closest intersecting street. SHILOH STATION WEST ROAD 41' (SOUTH)
-

30. Give latitude/longitude/altitude coordinates of crossing:

Latitude: N 38° 32' 03" Longitude: W 89° 53' 56" Altitude: \_\_\_\_\_485\_\_\_\_\_ ft.

31. A minimum of two field sketches is required. One should show a 'closeup' view of the crossing to scale (1" = 20') and the second showing the approaches to the crossing. Pertinent structures beyond the approach limits of the crossing should be noted/shown if there is a possibility of these affecting project crossing installation/operation.

These sketches are to include, but are not limited to:

- a. Cut sections (relayed and non-relayed)
- b. Switches (elec. lock, bolt lock, H.T. derails, etc.) and overlay/PSO freq's
- c. Signal locations (automatic and controlled)
- d. Other road crossings (protected and unprotected, get DOT/AAR#'s and pictures inside shelter if possible)
- e. Existing unidirectional installations (pictures inside shelter if possible)
- f. Slide fences, DED/TSAs
- g. Non-interlocked RR crossings
- h. Mileposts
- i. Angle of crossing
- j. Show magnetic north arrow
- k. Bridges (if so, need to show what type, height, length along with **legible pictures** to confirm the type and dimensions noted)

32. Take a **minimum** of eight (8) legible pictures, as shown below, and number each picture according to the numbered arrows shown on your field sketch. If additional pictures are taken, show additional numbered arrows on the field sketch to which pictures correspond. (Instamatic pictures are not acceptable.) If the AAR/DOT number plate is posted include it in your pictures. Pictures should also include any obstacles (i.e. culverts, overhead lines, etc) that might affect the installation of the project



33. Additional comments which may assist designer, coordinator or installer of project: HOUSE AT CROSSING IS NOT IN SERVICE. NS WAS GOING TO REPLACE DAMAGED CASE WITH IT. THERE ARE CABLE ROUTE MKR.'S ON SOUTH SIDE OF TRK. THAT LOOKED ABANDONED AND DID NOT HAVE A COMPANY NAME ON THEM. DITCH IN QUAD "B" NEEDS TO BE REROUTED 2'6" NORTH FROM PROPOSED WARNING DEVICE IN ORDER TO RAISE AREA FOR SIGNAL FOUNDATION HEIGHT REQUIREMENTS AND STILL PROVIDE ADEQUATE DRAINAGE.

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SIGNALLED TRK., ELETROCODE 2C

34. Select location for equipment container
- a. Must not block view of motorist/pedestrians on any public crossing
  - b. Must be located at a site away from all public crossings
  - c. Locate on company property if possible and comply with a. & b. above
  - d. Locate rental (short term) space away from railroad, but as near to work as possible - furnish contact with address, phone number, cost and map (hand drawn) from crossing being installed to container site
  - e. Contractor to contact Mr. Chuck DeVries at 404/529-1232 with questions relating to container location