

**ORIGINAL**

Form 3

**STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION**

**RECEIVED**  
NOV 26 2008

**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-12804*  
*708-0144*

Illinois Commerce Commission  
RAIL SAFETY SECTION

Date: September 10, 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: TR-37 in Champaign, Illinois, DOT: 479048D, MP. C-122.46

File No.: CX0121026

Project No.: 04.164

- (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 *RHR*  
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 479048D
- 3. Village or City Champaign
- 4. Name of Street or Highway TR-37
- 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 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. Two
- 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 50 mph Main  
South/West 50 mph 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:

75 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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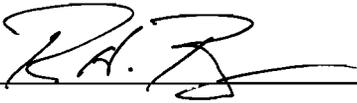
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(File Original and Two Duplicates)

**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.

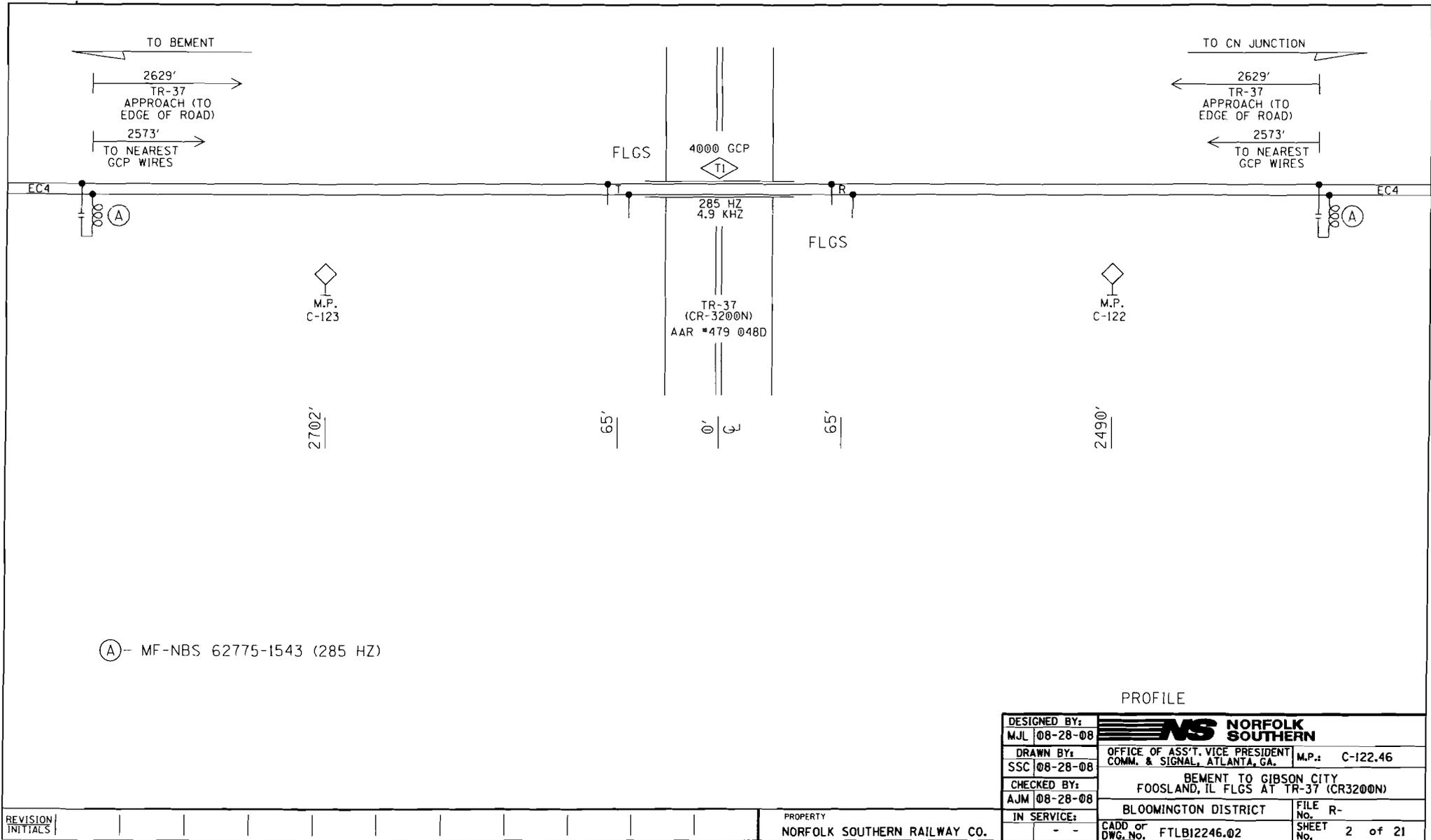
  
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 10 th.  
day of September, 20 08.

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

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







**Detailed Estimate for Grade Crossing Warning Devices**

City/State: CHAMPAIGN, IL  
MilePost: C-122.46  
State Proj. No.:  
S&E Proj. No.: 04.0164  
Man Days: 108

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Illinois Commerce Commission  
RAIL SAFETY SECTION

Road: TR-37  
DOT/AAR: 479048D  
County: CHAMPAIGN  
AFE: F10961  
File Number:

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$13,841.28
Rental of Equipment:	\$24,510.60
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 27 Days)	
Construction Supervision Vehicle:	\$1,960.85
<b>Purchases - Other Total:</b>	<b>\$40,312.73</b>
<b>***Material And Additives***</b>	
Material Cost:	\$69,060.00
Sales and Use Tax:	\$3,453.00
Material Handling Freight:	\$3,453.01
<b>Material Total:</b>	<b>\$75,966.01</b>
<b>***Labor And Additives***</b>	
Labor Cost:	\$28,836.00
(4 man crew at \$1,068.00 a day for: 27 days)	
Payroll Tax & Overheads:	\$28,446.71
Preliminary Engineering:	\$8,614.86
Construction Supervision:	\$8,140.40
<b>Labor Total:</b>	<b>\$74,037.97</b>
Project Cost:	\$190,316.71
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$190,316.71</b>

Estimated on: 10-Sep-08

Estimated by: NBIJE

**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:	CHAMPAIGN
Road:	TR-37
Mile Post:	C-122.46
Drawing Number:	FTLB12246
State ProjectNumber:	
County:	CHAMPAIGN
A A R Number:	479048D
Project Number:	04.0164
File Number:	
New File Number:	CX0121026
A F E Number:	F10961
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	

Location: CHAMPAIGN

IL

S&amp;E Proj. No.: 04.0164

AFE No.: F10961

Drawing No.: FTLB12246

Store No.:

P.O.Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date	Date	Date		
3	670-360693-4	EA	\$5.50	\$16.50	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						
13	105-871901-4	EA	\$189.89	\$2,468.57	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS						
2	670-980689-4	EA	\$71.71	\$143.42	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE						
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						
1	670-356949-4	EA	\$63.77	\$63.77	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR						
300	465-292862-4	LF	\$1.29	\$387.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR						
300	465-292929-4	LF	\$3.93	\$1,179.00	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL						
300	465-939422-4	LF	\$2.75	\$825.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						
300	465-791835-4	FT	\$3.35	\$1,005.00	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						
80	165-544477-4	FT	\$3.41	\$272.80	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
2	670-090450-4	EA	\$60.25	\$120.50	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W						
2	670-486646-4	EA	\$51.70	\$103.40	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						
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	\$377.57	\$377.57	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
1	670-000004-4	EA	\$700.00	\$700.00	FCC LICENSE FOR MONITOR/RADIO						

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: CHAMPAIGN

IL

S&amp;E Proj. No.: 04.0164

AFE No.: F10961

Drawing No.: FTLB12246

Store No.:

P.O.Number:

Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

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	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$556.71	\$1,113.42	FOUNDATION,DIXIE,S-2 GATE 2'6"X2'6"X5'6" ASSEMBLED						
2	670-257031-4	EA	\$335.88	\$671.76	GATE, ARM FIBERGLASS-ALUMINUM 17-24 FT., INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8002-244NFS/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, SAFETLAN 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	\$287.93	\$287.93	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	\$928.23	\$1,856.46	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS						
6	165-643547-4	EA	\$4.65	\$27.90	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE						
4	255-590880-4	EA	\$17.08	\$68.32	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"						
2	670-637778-4	EA	\$1,058.76	\$2,117.52	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.						
2	670-850933-4	EA	\$3,404.11	\$6,808.22	MECHANISM, GATE MODEL S-60, WITH DEFROSTER AND MINI TRACKSIDE SENSOR S'TRAN # 0740007-X002B3						
1	670-000001-4	EA	\$726.23	\$726.23	MISC. MATERAIL/FILL						
4	670-001347-4	EA	\$63.93	\$255.72	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$21.92	\$21.92	PADLOCK, SAFETLAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						
1	670-514605-4	EA	\$8.54	\$8.54	PINNACLE, W-C SECT 1-11, 4"& 5" REF K1 110-8 OR SAFETLAN NO. @035045-503X						
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL						

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Location: CHAMPAIGN

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S&E Proj. No.: 04.0164

AFE No.: F10961

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Store No.:

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Date Required:

Date Shipped:

Vendor: Safetran Systems Corp.

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.		
4	465-002899-4	EA	\$28.54	\$114.16	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
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	\$7,264.05	\$7,264.05	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	\$39.20	\$78.40	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT						
2	670-652773-4	EA	\$475.55	\$951.10	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	\$56.96	\$113.92	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546						
2	670-751511-4	EA	\$36.12	\$72.24	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X						
2	670-006438-4	EA	\$11.23	\$22.46	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"						

Total Material: \$69,060.16

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