

EXHIBIT A

CROSSING IDENTIFICATION:

Railroad: Kansas City Southern Railway Company

RR M.P.: 236.80 AAR DOT # 294 054S

Road Name: North Street

Location: North Street @KCS Railway in Roodhouse, Illinois

EXISTING CONDITIONS:

One mainline track equipped with crossbucks

DESCRIPTION OF WORK TO BE DONE BY RAILROAD:

1. Installation of automatic flashing light signals and warning gates with constant warning time circuitry.
2. Incidental work necessary to complete the items hereinabove specified.

DESCRIPTION OF WORK TO BE DONE BY OTHERS:

Local Agency agrees to provide at its expense any necessary advance warning signs and pavement markings as required by the MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. When a marked traffic detour is required, the Local Agency at its expense shall furnish, erect, maintain and remove the traffic control devices necessary to detour highway traffic.

ATTACHMENTS:

State Required Ethical Standards Governing Contract Procurement
Location Map

ESTIMATED RAILROAD COST: \$ 301,721

100% Federal participation \$

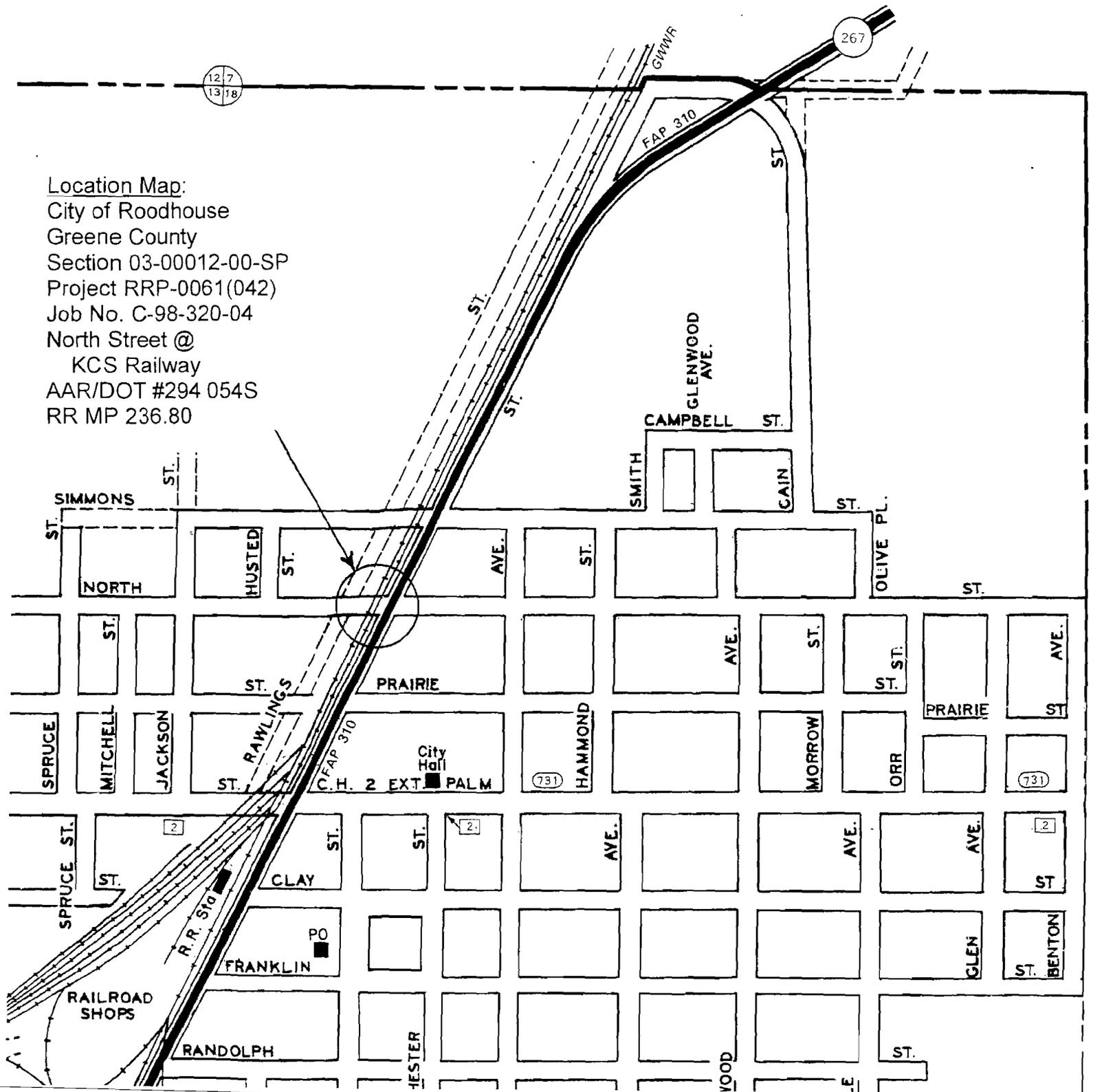
AGENCIES TO BE NOTIFIED BEFORE COMMENCING WORK:

Gladys Plahn, City Clerk, 137 W. Palm St., Roodhouse, IL 62082 (217) 589-4512

SUBMIT ALL BILLS FOR THE STATE'S 100% SHARE TO:

Charles Ingersoll, P. E.
Engineer of Local Roads and Streets
2300 South Dirksen Parkway
Springfield, Illinois 62764

Location Map:
 City of Roodhouse
 Greene County
 Section 03-00012-00-SP
 Project RRP-0061(042)
 Job No. C-98-320-04
 North Street @
 KCS Railway
 AAR/DOT #294 054S
 RR MP 236.80





KANSAS CITY SOUTHERN RAILWAY COMPANY

GRADE CROSSING WARNING DEVICES

SIGNAL PROJECT ESTIMATE OF COST

DATE 2/19/08

ESTIMATE IS DEFINED AS: TO PRODUCE A STATEMENT OF APPROXIMATE COST

ROODHOUSE, IL TOTAL COST

**NORTH STREET SIGNAL PROJECT to include
Circuitry Upgrade to constant warning time GCP
unit wired into adjacent FAS 731 Palm Street xing**

States Identification... SECTION 03-00012-00-SP PROJECT RRP-0061(042) JOB NO. C-98-320-04 NORTH STREET DOT NO. 294-054S GREENE COUNTY	Funding Mechanism... SIGNAL PROJECT	Railroads Identification... FILE NO. SD-32-5-236.80 DOT NO. 294-054S MILE POST 236.80 ASSET #982054 MIDCONTINENT DIVISION SPRINGFIELD SUBDIVISION
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LOCATION / Mile Post & DOT No....	LOCATION TOTAL
NORTH STREET... DOT #294-054S Proposed to install two new Flasher & Gate Signals, and new control bungalow with constant warning gcp	\$214,125.00
FAS 731 (Palm Street)... proposed to wire in constant warning time GCP 2-Track Unit into the existing control bungalow at Palm Street	\$87,596.00
<p>PALM STREET... to be compatible with the new constant warning time train detection system to be installed at the new North Street signalized crossing, the circuitry at Palm Street will need to be upgraded to a constant warning time train detection system as well.</p> <p>Comments directed to the ILLINOIS Dept. of Transportation, Program Managers... In recent months I/DOT has asked the KCS Railway for plans and estimates to ADD GATES as several crossings that currently just have Flasher Signals. With that in mind, now would be a ideal time to add gates to the Palm Street crossing, however this would probably more than double the Palm Street cost estimate above.</p>	

THIS ESTIMATE OF COST IS LIMITED TO 180 DAYS FROM DATE OF ISSUANCE. KCS SHALL AUTHORIZE IT'S USE AFTER THIS TIME PERIOD OR SUBMIT A REVISED ESTIMATE OF COST	NORTH STREET TOTAL COST	ESTIMATED PROJECT COST \$ 301,721.00
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**KANSAS CITY SOUTHERN RAILWAY COMPANY
GRADE CROSSING WARNING DEVICES
SIGNAL PROJECT ESTIMATE OF COST**

ESTIMATE IS DEFINED AS: TO PRODUCE A STATEMENT OF APPROXIMATE COST

DATE 2/19/08

Project Description & Location...

PROPOSED TO INSTALL TWO NEW FLASHER SIGNALS WITH GATES AND INSTALL A NEW 6' x 8' STEEL BUNGALOW WITH CONSTANT WARNING TIME GCP 4000 UNIT AT THE CROSSING OF KCS RAILWAY TRACKS WITH **NORTH STREET in ROODHOUSE, IL**

... INCLUDES A GCP 4000 WITH SEAR Iii ALARM REPORTING VIA CELL MODEM COLLECTOR WITH 50' TOWER

States Identification...	Funding Mechanism...	Railroads Identification...
SECTION 03-00012-00-SP PROJECT RRP-0061(042) JOB NO. C-98-320-04 NORTH STREET DOT NO. 294-054S GREENE COUNTY	SIGNAL PROJECT	FILE NO. SD-32-5-236.80 DOT NO. 294-054S MILE POST 236.80 ASSET #982054 MIDCONTINENT DIVISION SPRINGFIELD SUBDIVISION

MATERIAL Description & Pricing Info...	QTY Unit	Unit Price	TOTAL
6' x 8' STEEL BUNGALOW, with GCP 4000 and SEAR Iii Reporting Unit, with Modules and Program required to control warning devices as shown, Chargers & Battery necs., etc	1 LOT	53,295	\$ 53,295.00
FLASHER & GATE SIGNALS, with 12" LED Lights, All Aluminum Gate Arms, LED Gate Lights, Signs, Bells, with any side lights as per State Specifications.	1 LOT	21,055	\$ 21,055.00
SIGNAL GROUND MATERIAL, Foundations, Underground Wire & Cable, Guard Rails, Multi Shunt Boxes at approaches, Track Connectors, Bond Wires, wiring materials, etc.	1 LOT	19,707	\$ 19,707.00
Containerized Freight Charges, Safetran Systems	1 LOT	2,662	\$ 2,662.00
10% Material Contingency Fee, Safetran Systems	1 LOT	9,406	\$ 9,406.00
PROJECT MATERIAL, Cover Rock or Fill Material necessary, 220 Volt AC Service Pole, Directional Boring with 4" PVC Pipe as determined by RR, Culvert Pipe for extensions	1 LOT	17,500	\$ 17,500.00
MATERIAL RELEASED... None			
SEE KCSR LAYOUT PLAN... DWG NO SD-32-2-236.80A-C1			
MATERIAL SUB TOTAL = \$			123,625.00

LABOR & ADDITIVES, Equipment, Engineering...	QTY Unit	Unit Price	TOTAL
KCS LABOR with Additives, all Signal Dept. Personnel required for Administration, and for Field Installation. testing and cut-over as directed by the Signal Engineer.	1 Const	21,500	\$ 21,500.00
EQUIPMENT CHARGES, for Signal Dept Pickup Trucks, Backhoes, Boom Trucks, etc.	1 Const	5,000	\$ 5,000.00
KCS PERSONAL EXPENSES, for all Signal Dept Personnel	1 Const	3,500	\$ 3,500.00
CONTRACT ENGINEERING, for Layout Design, Quote Plans, Material Lists, Layout Plans & Estimate, Shop Wiring & Field Construction Plans as directed by the RR (JaKay)	1 Const	15,000	\$ 15,000.00
CONTRACT ACCOUNTING, Project Cost Tracking System through the life of the project, Completion Reports and assist Accounting with Final Billing preparation. (BHS)	1 Const	5,000	\$ 5,000.00
UTILITY COORDINATION, arrangements for new electrical service, relocation of utilities, arrange for rock & fill material, project coordination as directed by the RR (JaKay)	1 Const	3,500	\$ 3,500.00
FIELD INSTALLATION CONTRACTOR, to provide equipment & personnel as required by the KCSR Field Installation Bid Request package for the signal installation.	1 Const	37,000	\$ 37,000.00
THIS ESTIMATE IS LIMITED TO 180 DAYS FROM DATE OF ISSUANCE, KCS SHALL AUTHORIZE IT'S USE THEREAFTER			
LABOR SUB TOTAL = \$			90,500.00

**TO INSTALL FLASHERS & GATES AT
NORTH STREET IN ROODHOUSE, IL**

TOTAL ESTIMATE OF COST
\$ 214,125.00



**KANSAS CITY SOUTHERN RAILWAY COMPANY
GRADE CROSSING WARNING DEVICES
SIGNAL PROJECT ESTIMATE OF COST**

ESTIMATE IS DEFINED AS: TO PRODUCE A STATEMENT OF APPROXIMATE COST

DATE 2/19/08

Project Description & Location...

PROPOSED CIRCUITRY UPGRADE TO CONSTANT WARNING TIME GCP 4000 UNIT, TO BE WIRED INTO THE EXISTING 6'x6' ALUM. BUNGALOW AT THE CROSSING OF KCS RAILWAY TRACKS WITH FAS 731 (PALM STREET) in ROODHOUSE, IL

... TO BE COMPATIBLE WITH CONSTANT WARNING GCP TO BE INSTALLED AT NORTH STREET
... COST TO BE ADDED TO THE NORTH STREET SIGNAL PROJECT ESTIMATE

States Identification...	Funding Mechanism...	Railroads Identification...
SECTION 03-00012-00-SP PROJECT RRP-0061(042) JOB NO. C-98-320-04 NORTH STREET DOT NO. 294-054S GREENE COUNTY	SIGNAL PROJECT	FILE NO. SD-32-5-236.90 DOT NO. 294-055Y MILE POST 236.90 ASSET #982054 MIDCONTINENT DIVISION SPRINGFIELD SUBDIVISION

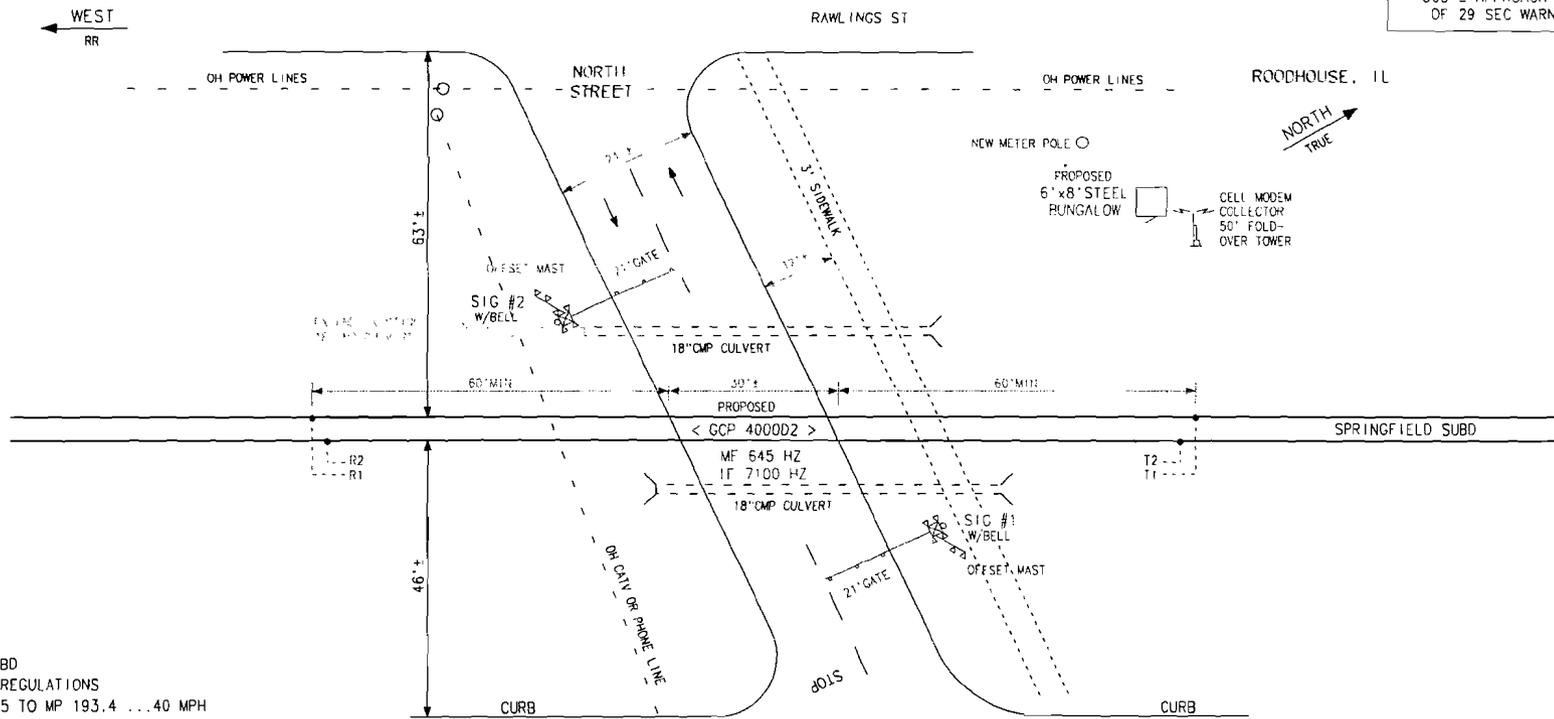
MATERIAL Description & Pricing Info...	QTY	Unit	Unit Price	TOTAL
EXISTING 6' x 6' ALUM BUNGALOW, iwre in new GCP 4000 2-Track Unit, to include Program required to control warning devices as shown, Chargers & Battery necs., etc	1	LOT	33,943	\$ 33,943.00
FLASHER & GATE SIGNALS, with 12" LED Lights, All Aluminum Gate Arms, LED Gate Lights, Signs, Bells, with any side lights as per State Specifications.		N/A		
SIGNAL GROUND MATERIAL, Foundations, Underground Wire & Cable, Guard Rails, Multi Shunt Boxes at approaches, Track Connectors, Bond Wires, wiring materials, etc.	1	LOT	690	\$ 690.00
Containerized Freight Charges, to be shipped with North Street Container 10% Material Contingency Fee, Safetran Systems	1	LOT	3,463	\$ 3,463.00
PROJECT MATERIAL, Cover Rock or Fill Material necessary, 220 Volt AC Service Pole, Directional Boring with 4" PVC Pipe as determined by RR, Culvert Pipe for extensions	1	LOT	7,500	\$ 7,500.00
MATERIAL RELEASED... Existing AC/DC Circuitry Equipment is Obsolete	1	LOT	-500	-\$ 500.00
SEE KCSR LAYOUT PLAN... DWG NO SD-32-2-236.90A-C1	MATERIAL SUB TOTAL =			\$ 45,096.00

LABOR & ADDITIVES, Equipment, Engineering...	QTY	Unit	Unit Price	TOTAL
KCS LABOR with Additives, all Signal Dept. Personnel required for Administration, and for Field Installation, testing and cut-over as directed by the Signal Engineer.	1	Const	10,000	\$ 10,000.00
EQUIPMENT CHARGES, for Signal Dept Pickup Trucks, Backhoes, Boom Trucks, etc.	1	Const	2,000	\$ 2,000.00
KCS PERSONAL EXPENSES, for all Signal Dept Personnel	1	Const	1,500	\$ 1,500.00
CONTRACT ENGINEERING, for Layout Design, Quote Plans, Material Lists, Layout Plans & Estimate, Shop Wiring & Field Construction Plans as directed by the RR (JaKay)	1	Const	8,000	\$ 8,000.00
CONTRACT ACCOUNTING, Project Cost Tracking System through the life of the project, Completion Reports and assist Accounting with Final Billing preparation. (BHS)	1	Const	2,000	\$ 2,000.00
UTILITY COORDINATION, arrangements for new electrical service, relocation of utilities, arrange for rock & fill material, project coordination as directed by the RR (JaKay)	1	Const	1,000	\$ 1,000.00
FIELD INSTALLATION CONTRACTOR, to provide equipment & personnel as required by the KCSR Field Installation Bid Request package for the signal installation.	1	Const	18,000	\$ 18,000.00
THIS ESTIMATE IS LIMITED TO 180 DAYS FROM DATE OF ISSUANCE, KCS SHALL AUTHORIZE IT'S USE THEREAFTER	LABOR SUB TOTAL =			\$ 42,500.00

**TO WIRE IN CONSTANT WARNING GCP UNIT AT
FAS 731 (PALM STREET) IN ROODHOUSE, IL**

TOTAL ESTIMATE OF COST
\$ 87,596.00

500'± APPROACH PROVIDES A MAXIMUM OF 29 SEC WARNING TIME AT 10 MPH



SPRINGFIELD SUBD
 MAXIMUM SPEED REGULATIONS
 MP 234.5 TO MP 193.4 ... 40 MPH
 SPEED RESTRICTIONS
 TRK MP 237.2 TO MP 234.5 ... 10 MPH
 YL MP 237.5 TO MP 234.5 ... 20 MPH
 YL MP 067.5 TO MP 234.5 ... 20 MPH

CROSSING SURFACE INFO:
 EXISTING 48' TIMBER & ASPHALT

US HWY 67
 STATE STREET

APPROX STREET ADDRESS
 220 NORTH STREET

BUNGALOW LOCATION:

50'-0"± FROM THE EDGE OF PAVED ROAD,
 MEASURED PERPENDICULAR TO ROAD
 FROM NEAREST SIDE OF BUNGALOW
 TO EDGE OF THE PAVED ROAD

35'-0"± FROM THE NEAR RAIL, MEASURED
 PERPENDICULAR TO RAIL FROM
 NEAREST SIDE OF BUNGALOW TO
 THE NEAREST EDGE OF RAIL

NOTED SUGGESTED CLEARANCE
 30'-0"± FROM THE EDGE OF HIGHWAY
 25'-0"± FROM THE NEAREST RAIL

KCSR PROPERTY - 50' FROM MAIN TRACK CENTERLINE IN ALL QUADS

CONSTRUCTION SUPERVISOR OR SIGNAL SUPERVISOR TO FILL OUT
 PIPE OR CONDUIT LOCATION CHART PROVIDED BELOW. PLEASE
 LABEL PIPES BY AN ALPHA DESIGNATION (EXAMPLE 4" PVC PIPE A)

UG SIGNAL CABLE PIPE LOCATION	DESTINATION QUADRANT		BUNGALOW QUADRANT	
	TO ROAD	TO RAIL	TO ROAD	TO RAIL
4" PVC PIPE A				
4" PVC PIPE B				
4" PVC PIPE C				
4" PVC PIPE D				

ALL DIMENSIONS MEASURED PERPENDICULAR TO ROAD OR PERPENDICULAR TO RAIL

SIG #1 LOCATION:

8'-3" MIN FROM THE EDGE OF PAVED ROAD,
 MEASURED PERPENDICULAR TO ROAD
 FROM CENTER OF SIGNAL POLE TO
 THE EDGE OF PAVED ROAD

15'-0"± FROM NEAR RAIL AT GATE BASE,
 MEASURED PERPENDICULAR TO RAIL
 FROM CENTER OF SIGNAL POLE TO
 THE NEAREST EDGE OF RAIL

NOTED MINIMUM RESTRICTIONS:
 8'-3" MIN. FROM EDGE OF TRAVELED ROAD
 12'-0" MIN. FROM CENTERLINE OF RAIL
 GATE ARM TO BE PERPENDICULAR TO ROAD

SIG #2 LOCATION:

8'-3" MIN FROM THE EDGE OF PAVED ROAD,
 MEASURED PERPENDICULAR TO ROAD
 FROM CENTER OF SIGNAL POLE TO
 THE EDGE OF PAVED ROAD

18'-0"± FROM NEAR RAIL AT GATE BASE,
 MEASURED PERPENDICULAR TO RAIL
 FROM CENTER OF SIGNAL POLE TO
 THE NEAREST EDGE OF RAIL

NOTED MINIMUM RESTRICTIONS:
 8'-3" MIN. FROM EDGE OF TRAVELED ROAD
 12'-0" MIN. FROM CENTERLINE OF RAIL
 GATE ARM TO BE PERPENDICULAR TO ROAD

KANSAS CITY SOUTHERN LINES SIGNAL DEPT.

DWG. NO. SD-32-4-236.80A

LOCATION NORTH STREET
 ROODHOUSE, IL

FILE SD-32-5-236.80
 DOT NO. 294-0545
 MILE POST 236.80

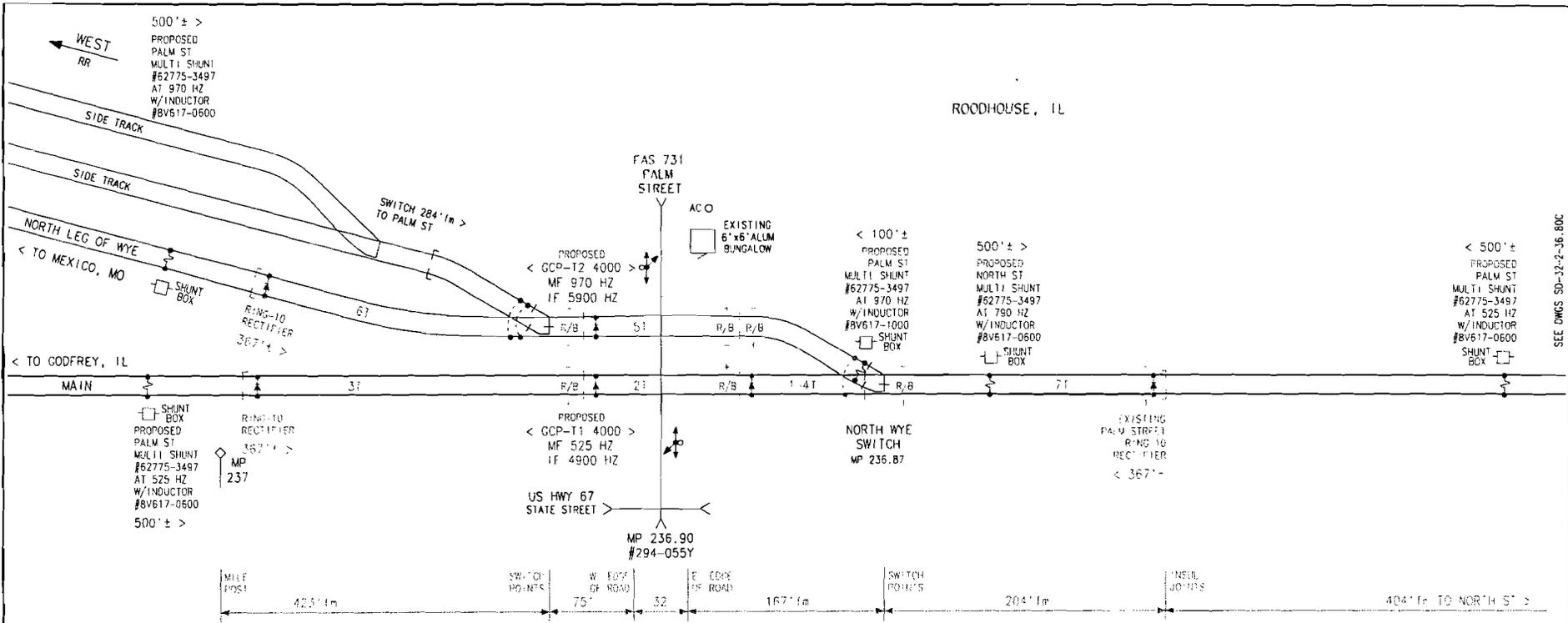
REVISION BLOCK
 FLSHRS & GATES
 IN SERVICE

TEMPLATE: 1A

ORANGE = OUT
 BLUE = IN
 GREEN = NOTE

ASSET
 #982054

ROODHOUSE, IL



SEE DWGS SD-32-2-36.80C

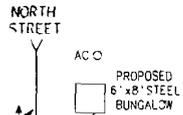
KANSAS CITY SOUTHERN LINES SIGNAL DEPT.
 DWG. NO. SD-32-4-236.80B
 LOCATION NORTH STREET
 ROODHOUSE, IL
 FILE SD-32-5-236.80
 DOT NO. 294-0545
 MILE POST 236.80

REVISION BLOCK

SHEET DWGS SD-32-4-236.80B

WEST
RR

ROODHOUSE, IL



SIMMONS STREET

< 500' ±
 PROPOSED NORTH ST
 MULTI SHUNT
 #62775-3497
 AT 790 HZ
 W/INDUCTOR
 #8V617-0600
 SHUNT
 BOX

TO SPRINGFIELD, IL >

JOINTED RAIL

PROPOSED

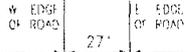
< GCP 4000D2 >

SPRINGFIELD SUBD

115RE#

US HWY 67
STATE STREET

MP 236.80
#294-054S



ASSET
#982054

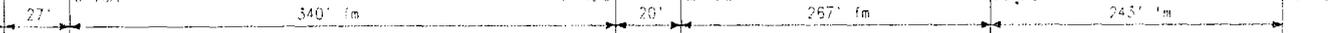
US HWY 67
STATE STREET

MP 236.70
#294-053K



< SWITCH 606' fm
 TO NORTH ST
 NOT INSULATED

< SWITCH 848' fm
 TO NORTH ST
 NOT INSULATED



SET MATERIAL CONTAINER AND THE BUNGALOW
 RE SURF TO MAINTAIN GOOD SET POINTS.
 SET CONTAINER AT PALM STREET XING IN THE
 SOUTHEAST QUADRANT 250 FT FROM ROAD
 * FROM NEAREST EDGE OF ROAD
 ** FROM NEAREST EDGE OF RAIL
 FOR DIRECTIONS OR EXACT PLACEMENT:
 CONTACT MIKE VAN TIEM (KCSR PROJECT ENGR)
 OFFICE 318-676-6289, CELL 318-218-7207
 OR STEVE JONES (KCSR PROJECT MANAGER)
 OFFICE 318-676-6264, CELL 318-347-3210

KANSAS CITY SOUTHERN LINES SIGNAL DEPT.
 DWG. NO. SD-32-4-236.80C
 LOCATION NORTH STREET
 ROODHOUSE, IL

FILE SD-32-5-236.80
 DOT NO. 294-054S
 MILE POST 236.80

REVISION
 BLOCK

INSTALLATION AND DESIGN INFORMATION

APPROACH AND WARNING TIME CALCULATIONS	GCP-T1 MAIN TRK	OTHER TRK	OTHER TRK	OTHER TRK
MINIMUM WARNING TIME	20 SEC			
PLUS CLEARANCE TIME	0 SEC			
PLUS BUFFER TIME	5 SEC			
TOTAL WARNING TIME	25 SEC			
TOTAL WARNING TIME	25 SEC			
PLUS EQUIP RESPONSE	5 SEC			
PLUS ADVANCE PREEMPT	0 SEC			
TOTAL APPROACH TIME	30 SEC			
MAX. TRAIN SPEED	10 MPH			
EQUATION FEET/SECOND	x 1.4667			
SPEED FEET PER SECOND	14.6 FPS			
TOTAL APPROACH TIME	30 SEC			
SPEED FEET PER SECOND	x 14.6			
APPROACH DISTANCE (MEASURED FROM TIE-IN POINTS)	438'			
DISTANCE ROUNDED UP TO	500' ±			
CLEARANCE DISTANCE FOR DESIGN PURPOSE WAS ESTIMATED TO BE <u>33' ±</u> THIS DISTANCE IS WELL UNDER THE 35' MIN. NO ADDED CLEARANCE TIME WILL BE REQUIRED				

MUTCD MINIMUM RESTRICTIONS FOR LOCATION AND CLEARANCE DIMENSIONS FOR FLASHER & GATE SIGNALS SHALL BE:

WHEN THERE IS A CURB...

A HORIZONTAL CLEARANCE OF AT LEAST 2'-0" SHALL BE PROVIDED FROM THE FACE OF THE VERTICAL CURB TO THE CLOSEST PART OF THE SIGNAL OR GATE ARM IN ITS UPRIGHT POSITION.

WHEN THERE IS A SHOULDER, BUT NO CURB...

A HORIZONTAL CLEARANCE OF AT LEAST 2'-0" FROM THE EDGE OF A PAVED OR SURFACED SHOULDER SHALL BE PROVIDED, WITH A CLEARANCE OF AT LEAST 6'-0" FROM THE EDGE OF THE TRAVELED WAY.

WHEN THERE IS NO CURB OR SHOULDER...

THE MINIMUM HORIZONTAL CLEARANCE SHALL BE 6'-0" FROM THE EDGE OF THE TRAVELED WAY.

MUTCD SUGGESTED LATERAL CLEARANCE FOR EQUIPMENT HOUSING (CONTROLLER CABINETS):

EQUIPMENT HOUSING SHOULD HAVE A LATERAL CLEARANCE OF AT LEAST 30'-0" FROM THE EDGE OF THE HIGHWAY AND WHERE RAILROAD PROPERTY AND CONDITIONS ALLOW, AT LEAST 25'-0" FROM THE NEAREST RAIL.

STATES IDENTIFICATION...

CITY OF ROODHOUSE
GREENE COUNTY
SECTION 03-00012-00-SP
PROJECT RRP-0061(042)
JOB NO. C-98-320-04
NORTH STREET
DOT NO. 294-054S

STATE PROJECT ENGINEER:

2 WEEKS NOTICE REQUIRED

SIGNAL FOREMAN TO CALL
STATE PROJECT ENGINEER
WHEN GANG SHOWS UP AT
JOB SITE TO BEGIN WORK

PLEASE MEASURE EXACT CLEARANCE DISTANCE AS FOLLOWS.			
MEASURE ALONG THE EDGE OF ROAD - FROM GATE ARM DOWN TO 6' MIN. BEYOND THE FARTHEST RAIL (6' IS MEASURED PERPENDICULAR TO RAIL)			
MEASURE AT CENTER LINE OF ROAD - FROM GATE ARM DOWN TO 6' MIN. BEYOND THE FARTHEST RAIL (6' IS MEASURED PERPENDICULAR TO RAIL)			
USE THE LONGEST DISTANCE MEASURED ABOVE TO DETERMINE CLEARANCE TIME IF OVER 35' MIN., AS PER THE CHART BELOW			
ADD THE LONGEST CLEARANCE TIME TO THE WARNING TIME			
CLEARANCE DISTANCE MEASUREMENTS			
SIG #1 = AT EDGE OF ROAD	SIG #1 = CENTER OF ROAD	SIG #1 = LONGEST DISTANCE	SIG #1 = CLEARANCE TIME = CT
_____ FT	_____ FT	_____ FT	_____ SEC
SIG #2 = AT EDGE OF ROAD	SIG #2 = CENTER OF ROAD	SIG #2 = LONGEST DISTANCE	SIG #2 = CLEARANCE TIME = CT
_____ FT	_____ FT	_____ FT	_____ SEC
CT = CLEARANCE TIME	0' TO 35' = NONE	96' TO 105' = 7 SEC CT	
	36' TO 45' = 1 SEC CT	106' TO 115' = 8 SEC CT	
	46' TO 55' = 2 SEC CT	116' TO 125' = 9 SEC CT	
	56' TO 65' = 3 SEC CT	126' TO 135' = 10 SEC CT	
	66' TO 75' = 4 SEC CT	136' TO 145' = 11 SEC CT	
	76' TO 85' = 5 SEC CT	146' TO 155' = 12 SEC CT	
	86' TO 95' = 6 SEC CT	156' TO 165' = 13 SEC CT	

NORTH STREET NOTES:

- 1.) PROPOSED TO INSTALL THE FOLLOWING AS PART OF THIS STATE PROJECT:
 - 2 EA. FLASHER & GATE SIGNALS WITH 12" LED LIGHTS
 - 1 EA. 6' x 8' STEEL BUNGALOW WITH A CONSTANT WARNING TIME TRAIN DETECTION DEVICE WITH SOLID STATE CROSSING CONTROLLER MODULES AND INTERNAL RECORDING AND ALARM REPORTING
 - 2 EA. SHUNT BOX ASSEMBLIES WITH MULTI SHUNTS
 - 1 EA. 50' FOLD-OVER TOWER WITH ANTENNAS MOUNTED ON TOP
 - 1 EA. 220 VAC METER POLE
- 2.) 4" PVC CONDUIT FOR SIGNAL CABLING UNDER ROADWAY MAY BE INSTALLED BY DIRECTIONAL BORING METHOD
- 3.) APPROX 250 TONS OF FILL MATERIAL REQUIRED FOR BUNGALOW & SIGNALS
- 4.) ANY UTILITIES THAT INTERFERE WITH PROPER SIGNAL PLACEMENT WILL BE RELOCATED AT PROJECT EXPENSE
- 5.) ANY POWER LINES IN AREA WILL NEED TO BE AT LEAST 10' FROM TIP OF GATE ARM IN RAISED POSITION (VERTICAL)
- 6.) ANY DRAINAGE WORK REQUIRED FOR THE PROPER SIGNAL OR BUNGALOW PLACEMENT WILL BE AT PROJECT EXPENSE
- 7.) ALL PROPOSED DIMENSIONS ARE PLUS OR MINUS AT THE DISCRETION OF THE KCS SIGNAL SUPERVISOR AND/OR THE KCS PROJECT ENGINEER, IF WITHIN THE STATE GUIDELINES

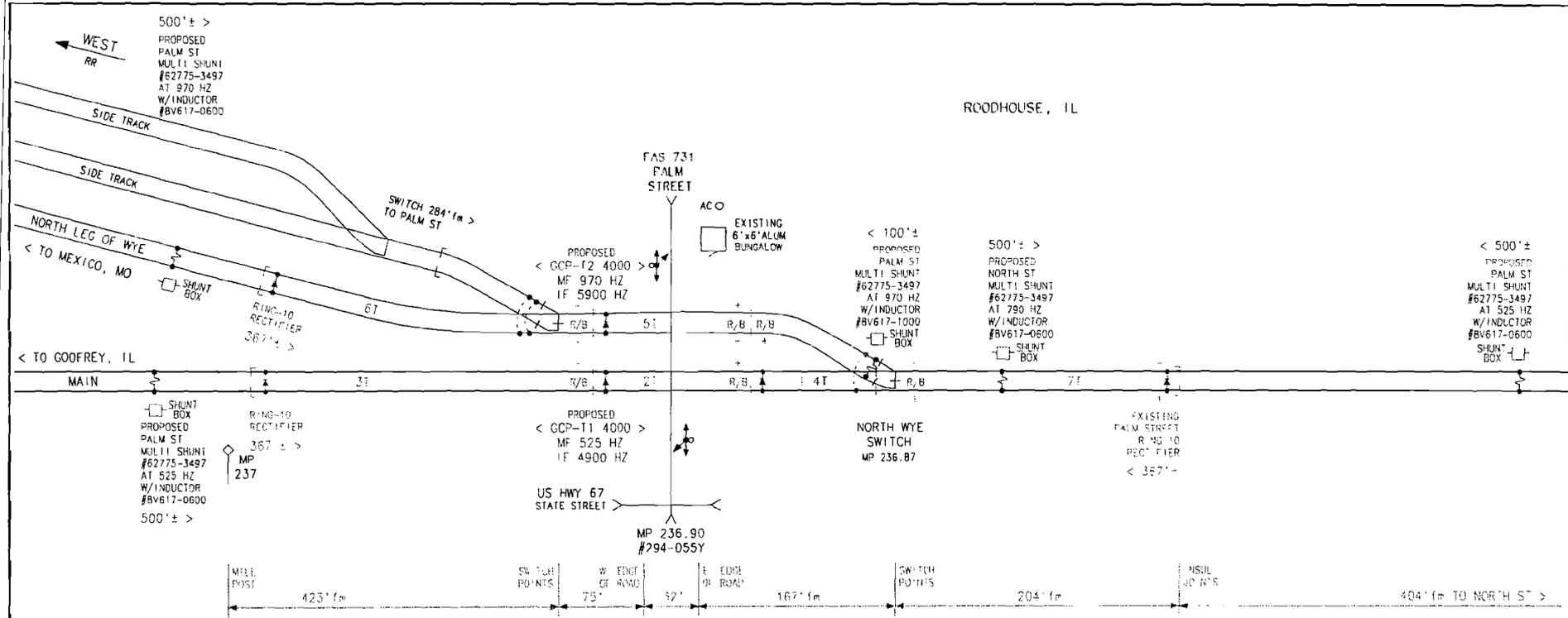
KANSAS CITY SOUTHERN LINES SIGNAL DEPT.

DWG. NO. SD-32-4-236.80C1

LOCATION NORTH STREET
ROODHOUSE, IL

FILE SD-32-5-236.80
DOT NO. 294-054S
MILE POST 236.80

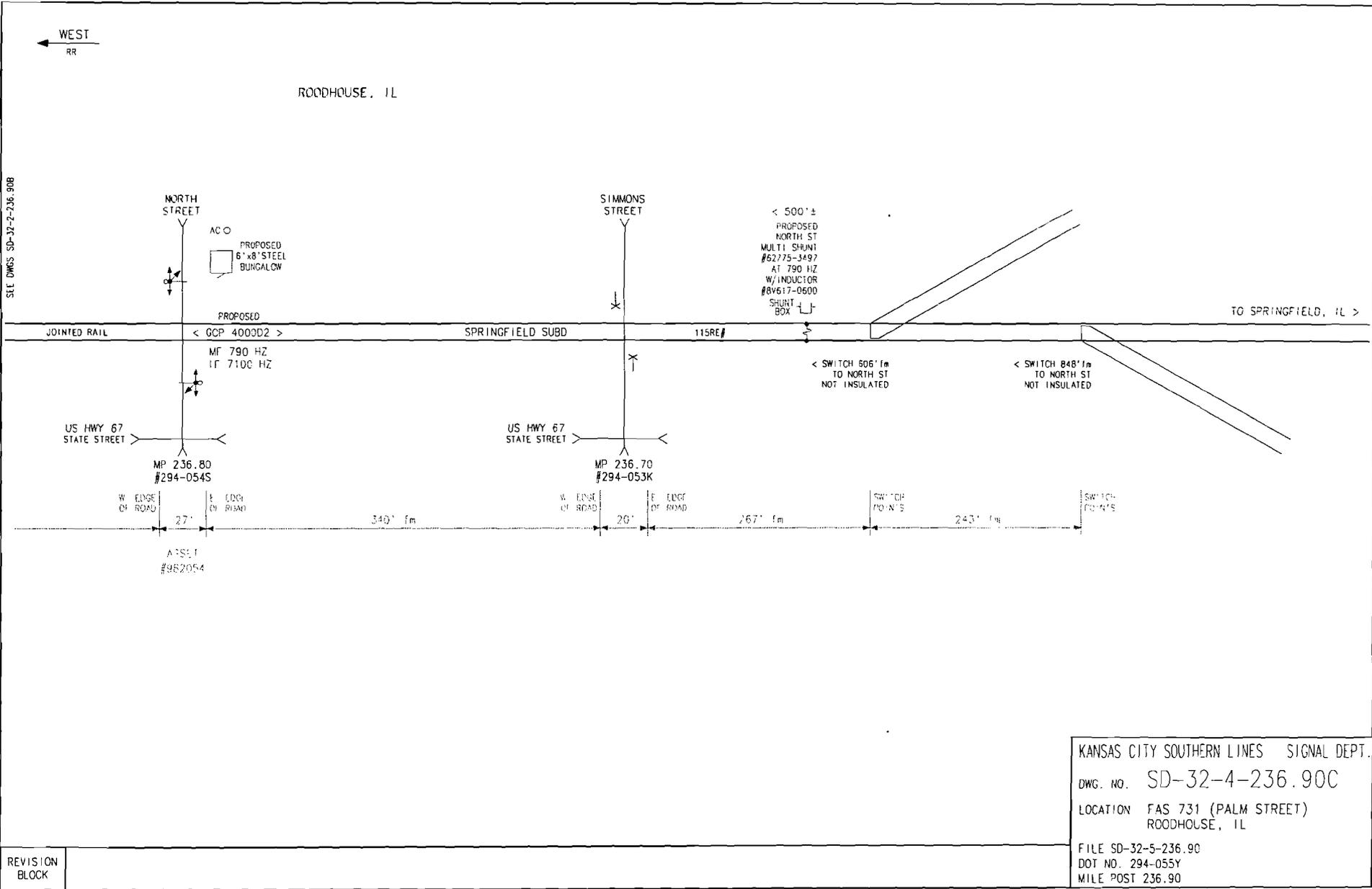
REVISION
BLOCK



SEE DWGS SD-32-2-36.90C

KANSAS CITY SOUTHERN LINES SIGNAL DEPT.
 DWG. NO. SD-32-4-236.90B
 LOCATION FAS 731 (PALM STREET)
 ROODHOUSE, IL
 FILE SD-32-5-236.90
 DOT NO. 294-055Y
 MILE POST 236.90

REVISION
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KANSAS CITY SOUTHERN LINES SIGNAL DEPT.
 DWG. NO. SD-32-4-236.90C
 LOCATION FAS 731 (PALM STREET)
 ROODHOUSE, IL
 FILE SD-32-5-236.90
 DOT NO. 294-055Y
 MILE POST 236.90

REVISION
BLOCK

INSTALLATION AND DESIGN INFORMATION

APPROACH AND WARNING TIME CALCULATIONS	GCP-T1 MAIN TRK	GCP-T2 SIDE TRK	OTHER TRK	OTHER TRK
MINIMUM WARNING TIME	20 SEC	20 SEC		
PLUS CLEARANCE TIME	2 SEC	2 SEC		
PLUS BUFFER TIME	5 SEC	5 SEC		
TOTAL WARNING TIME	27 SEC	27 SEC		
TOTAL WARNING TIME	27 SEC	27 SEC		
PLUS EQUIP RESPONSE	5 SEC	5 SEC		
PLUS ADVANCE PREEMPT	0 SEC	0 SEC		
TOTAL APPROACH TIME	32 SEC	32 SEC		
MAX. TRAIN SPEED	10 MPH	10 MPH		
EQUATION FEET/SECOND	x 1.4667	x 1.4667		
SPEED FEET PER SECOND	14.6 FPS	14.6 FPS		
TOTAL APPROACH TIME	32 SEC	32 SEC		
SPEED FEET PER SECOND	x 14.6	x 14.6		
APPROACH DISTANCE (MEASURED FROM TIE-IN POINTS)	468'	468'		
DISTANCE ROUNDED UP TO	500'±	500'±		
CLEARANCE DISTANCE FOR DESIGN PURPOSE WAS ESTIMATED TO BE <u>47'±</u> . THIS DISTANCE SHOULD BE MEASURED EXACTLY AS PART OF THE INSTALLATION PROCESS, PER DIRECTIONS SHOWN IN CHART				

MUTCD MINIMUM RESTRICTIONS FOR LOCATION AND CLEARANCE DIMENSIONS FOR FLASHER & GATE SIGNALS SHALL BE:

WHEN THERE IS A CURB...

A HORIZONTAL CLEARANCE OF AT LEAST 2'-0" SHALL BE PROVIDED FROM THE FACE OF THE VERTICAL CURB TO THE CLOSEST PART OF THE SIGNAL OR GATE ARM IN ITS UPRIGHT POSITION.

WHEN THERE IS A SHOULDER, BUT NO CURB...

A HORIZONTAL CLEARANCE OF AT LEAST 2'-0" FROM THE EDGE OF A PAVED OR SURFACED SHOULDER SHALL BE PROVIDED, WITH A CLEARANCE OF AT LEAST 6'-0" FROM THE EDGE OF THE TRAVELED WAY.

WHEN THERE IS NO CURB OR SHOULDER...

THE MINIMUM HORIZONTAL CLEARANCE SHALL BE 6'-0" FROM THE EDGE OF THE TRAVELED WAY.

MUTCD SUGGESTED LATERAL CLEARANCE FOR EQUIPMENT HOUSING (CONTROLLER CABINETS):

EQUIPMENT HOUSING SHOULD HAVE A LATERAL CLEARANCE OF AT LEAST 30'-0" FROM THE EDGE OF THE HIGHWAY AND WHERE RAILROAD PROPERTY AND CONDITIONS ALLOW, AT LEAST 25'-0" FROM THE NEAREST RAIL.

STATES IDENTIFICATION...

CITY OF ROODHOUSE

GREENE COUNTY

SECTION 03-00012-00-SP

PROJECT RRP-0061(042)

JOB NO. C-98-320-04

NORTH STREET

DOT NO. 294-054S

STATE PROJECT ENGINEER:

2 WEEKS NOTICE REQUIRED

SIGNAL FOREMAN TO CALL STATE PROJECT ENGINEER WHEN GANG SHOWS UP AT JOB SITE TO BEGIN WORK

PLEASE MEASURE EXACT CLEARANCE DISTANCE AS FOLLOWS:

MEASURE ALONG THE EDGE OF ROAD - FROM GATE ARM DOWN TO 6' MIN. BEYOND THE FARTHEST RAIL (6' IS MEASURED PERPENDICULAR TO RAIL)

MEASURE AT CENTER LINE OF ROAD - FROM GATE ARM DOWN TO 6' MIN. BEYOND THE FARTHEST RAIL (6' IS MEASURED PERPENDICULAR TO RAIL)

USE THE LONGEST DISTANCE MEASURED ABOVE TO DETERMINE CLEARANCE TIME IF OVER 35' MIN., AS PER THE CHART BELOW

ADD THE LONGEST CLEARANCE TIME TO THE WARNING TIME

CLEARANCE DISTANCE MEASUREMENTS

SIG #1 = _____ AT EDGE OF ROAD FT	SIG #1 = _____ CENTER OF ROAD FT	SIG #1 = _____ LONGEST DISTANCE FT	SIG #1 = _____ CLEARANCE TIME = CT SEC
--------------------------------------	-------------------------------------	---------------------------------------	---

SIG #2 = _____ AT EDGE OF ROAD FT	SIG #2 = _____ CENTER OF ROAD FT	SIG #2 = _____ LONGEST DISTANCE FT	SIG #2 = _____ CLEARANCE TIME = CT SEC
--------------------------------------	-------------------------------------	---------------------------------------	---

CT = CLEARANCE TIME	0' TO 35' = NONE	96' TO 105' = 7 SEC CT
	36' TO 45' = 1 SEC CT	106' TO 115' = 8 SEC CT
	46' TO 55' = 2 SEC CT	116' TO 125' = 9 SEC CT
	56' TO 65' = 3 SEC CT	126' TO 135' = 10 SEC CT
	66' TO 75' = 4 SEC CT	136' TO 145' = 11 SEC CT
	76' TO 85' = 5 SEC CT	146' TO 155' = 12 SEC CT
	86' TO 95' = 6 SEC CT	156' TO 165' = 13 SEC CT

PALM STREET NOTES:

- 1.) PROPOSED GCP CIRCUITRY UPGRADE AS PART OF THE NORTH STREET SIGNAL PROJECT, WILL REQUIRE THE FOLLOWING MAJOR ITEMS OF EQUIPMENT WIRED INTO THE EXISTING 6'x6' ALUM BUNGALOW:
 - 1 EA. GCP 4000, 2 TRACK REDUNDANT CONSTANT WARNING TIME TRAIN DETECTION DEVICE WITH SOLID STATE CROSSING CONTROLLER MODULES AND INTERNAL RECORDING SEARCH MODULE
 - 14 EA. CLEARVIEW ARRESTERS
 - 8 EA. HEAVY DUTY ARRESTERS
 - 4 EA. EQUALIZERS ARRESTERS
 - 25 EA. AAR 4-POINTS W/TEST LINKS
 - 1 LOT MISC WIRING MATERIALS
 - 4 EA. SHUNT BOX ASSEMBLIES WITH MULTI SHUNTS
- 2.) APPROX TONS OF FILL MATERIAL REQUIRED FOR BUNGALOW & SIGNALS
- 3.) ANY UTILITIES THAT INTERFERE WITH PROPER SIGNAL PLACEMENT WILL BE RELOCATED AT PROJECT EXPENSE
- 4.) ANY POWER LINES IN AREA WILL NEED TO BE AT LEAST 10' FROM TIP OF GATE ARM IN RAISED POSITION (VERTICAL).
- 5.) ANY DRAINAGE WORK REQUIRED FOR THE PROPER SIGNAL OR BUNGALOW PLACEMENT WILL BE AT PROJECT EXPENSE
- 6.) ALL PROPOSED DIMENSIONS ARE PLUS OR MINUS AT THE DISCRETION OF THE KCS SIGNAL SUPERVISOR AND/OR THE KCS PROJECT ENGINEER, IF WITHIN THE STATE GUIDELINES

REVISION
BLOCK

KANSAS CITY SOUTHERN LINES SIGNAL DEPT.

DWG. NO. SD-32-4-236.90C1

LOCATION FAS 731 (PALM STREET)
ROODHOUSE, IL

FILE SD-32-5-236.90

DOT NO. 294-055Y

MILE POST 236.90

**THE FOLLOWING DOCUMENTS
ARE INTENDED TO SUPPORT THE
ONE PAGE ESTIMATE OF COST
SUBMITTED BY THE KCS RAILWAY**

PRELIMINARY ESTIMATE

Final quotation to be issued upon receipt of final plans

Mr. Mike Van Tiem
KANSAS CITY SOUTHERN RAILWAY
4601 Blanchard Road
Shreveport, Louisiana 71107-5799

EST. NO. XP-4567

DATE: February 15, 2008

SHEET: 1 OF 1

FOR MATERIAL AND/OR SERVICES REQUESTED

To provide material, shop wiring and testing for Highway Grade Crossing Warning System proposed for
NORTH ST. - ROODHOUSE, IL Asset No. **982054**
 Per supplied KCS Material List and Specs. Price does not include sales tax, if applicable.

THIS QUOTATION IS SUBJECT TO THE "TERMS AND CONDITIONS OF SALE"

1.	WIRED BUNGALOW, includes cost of all equipment within and shop labor cost.	\$ 53,294.83
2.	WARNING DEVICES, includes cost of flashers and gates or cantilever signals.	\$ 21,055.14
3.	MISC. SIGNAL MATERIAL, includes items like UG wire & cable, foundations, UG conduit, shunt boxes, track material, etc. .	\$ 19,706.75
4.	Contingency Fee (Amount to equal 10% of job value)	\$ 9,405.67

1. Total price of this inquiry is in US funds: **\$ 103,462.39**
2. F.O.B. point if other than mfg. plant: **Louisville**
3. Estimated freight charge for container shipment: **\$ 2,662.23 (1) Container**
4. Safetran has not included cost for any item or service not expressly listed in this quote.
5. Safetran's Container Usage Fee will be billed at actual usage incurred at time of release by the customer. Charges to include \$8.25 per day for container usage and \$380 for clean out.
6. Safetran will not accept any consequential damages, liquidated damages, penalties, or delays for damages, for any of the work associated with this quote.
7. Preliminary estimate is valid for a period of one (1) year
8. Anticipated Delivery: 90 days after receipt of purchase order/contract.
9. Quotation made by - Safetran Systems Corporation, Louisville Division
2400 Nelson Miller Pkwy, Louisville, Kentucky 40223

SIGNED: _____
 JOHN J. PALJUG, VP of MARKETING, SALES AND SERVICE

cc: JayKay Signaling

ITEM	PART NUMBER	HOUSE MATERIAL	QTY.	LIST PRICE	KCS PRICE	TOTAL
1	T17585	HOUSE, 6' X 8' GALVANEAL	1.00	*	\$10,691.22	\$10,691.22
2	8000-80271-0001	SEAR II, ILOD	1.00	\$484.00	\$363.00	\$363.00
3	8000-80297-0002	SEAR II, GROUND FAULT SENSOR	1.00	\$690.00	\$517.50	\$517.50
4	8000-80276-0001	SEAR II, VHF COMMUNICATOR	1.00	\$1,360.00	\$1,020.00	\$1,020.00
5	T12807	CHARGER, NRS 12/40(GRAY),TEMP.	2.00	*	\$738.59	\$1,477.18
6	8220-80465-002C0	GCP, 4000 1 - TRK. UNIT	1.00	\$28,067.00	\$21,050.25	\$21,050.25
7	010811-4AX	PROTECTOR, SURGE , 5P24-1A, 18	1.00	\$203.00	\$152.25	\$152.25
8	8000-80078-0001	ECHELON TERMINATION UNIT 80078	2.00	\$75.00	\$56.25	\$112.50
9	023612-1X	BLOCK, TERMINAL 2-3/8" CENTER,	18.00	\$6.00	\$4.50	\$81.00
10	024620-4X	LINK, TEST 2-3/8" CENTERS STRA	10.00	\$2.15	\$1.61	\$16.10
11	210026-T11332	GROUND BAR, TINNED BUS STRIP,	3.00	*	\$34.45	\$103.35
12	093026-T10548	BLOCK, ERICO 4-POST ARRESTER,	36.00	*	\$14.98	\$539.28
13	022615-1X	ARRESTER, HEAVY DUTY, W/O BASE	8.00	\$17.00	\$12.75	\$102.00
14	022700-1X	EQUALIZER WITHOUT BASE	4.00	\$17.00	\$12.75	\$51.00
15	022485-28X	ARRESTER,CLEARVIEW, (CUCA)	28.00	\$13.00	\$9.75	\$273.00
16	091769-T06180	TERMINAL, AMP, 16/14 HD AWG. S	75.00	*	\$0.69	\$51.75
17	091769-T09671	TERMINAL, RING TOUNGE, PIDG, A	100.00	*	\$0.56	\$56.00
18	025618-N20	FUSE, NON-RENEWABLE	1.00	*	\$1.21	\$1.21
19	025618-1X	SWITCH, SINGLE DISCONNECT	1.00	\$44.97	\$33.73	\$33.73
20	029603-23X	RESISTOR, ADJ. 20 OHM PORCELAI	1.00	\$35.15	\$26.36	\$26.36
21	029602-6X	RESISTOR, 2.0 OHM ADJ. PORCELAIN	1.00	\$34.27	\$25.70	\$25.70
22	T15514	CABLE, 2 CONDUCTOR 18 AWG	40.00	*	\$0.33	\$13.20
23	023390-5X	BLOCK, TERMINAL 12	4.00	\$15.00	\$11.25	\$45.00
24	099152-T08707	WIRE, #10 GREEN, INSULATED, TH	40.00	*	\$0.29	\$11.60
25	099056-T09584	WIRE, #14 FLEX CASE, 19 STRAND	250.00	*	\$0.35	\$87.50
26	099056-T09585	WIRE, #10 TYPE DEL, 600-2000V,	500.00	*	\$0.46	\$230.00
27	099026-T09582	BONDSTRAND, RED INSULATED, 6/64	200.00	*	\$1.14	\$228.00
28	022316-43	WIRE, 16 GA 19 5STRAND, 2/64"	500.00	*	\$0.22	\$110.00
29	024620-19X	LINK ASSY, TEST	36.00	\$2.67	\$2.00	\$72.00
30	T14030	TERMINAL, RING, #6 FOR SPL420	8.00	*	\$2.71	\$21.68
31	T17411	TERMINAL, #16-14HD, AMP #34B21	22.00	*	\$0.36	\$7.92
32	T17671	TERMINAL RING #12-10 #8 YELLOW	4.00	*	\$0.51	\$2.04
33	T17668	BOX, PULL 16 X 12 X 4 W/ COVER	1.00	*	\$31.34	\$31.34
34	T17668-1	COVER, PULL BOX 16 X 12 LEXAN	1.00	*	\$14.82	\$14.82
35	T17669	RELAY, POWER, DPDT 12VDC	1.00	*	\$40.76	\$40.76
36	053222-T04010	RELAY, N. V. P & B KUP-14D15-1	1.00	*	\$14.21	\$14.21
37	053222-T09797	SOCKET, RELAY P&B 27E121 NEWAR	3.00	*	\$7.85	\$23.55
38	053222-T09997	RELAY, POTTER & BRUMFIELD, 120	2.00	*	\$16.05	\$32.10
39	053222-T09795	CLIP, HOLD DOWN RELAY, P&B 20C	6.00	*	\$0.52	\$3.12
40	023590-2X	BOLT, GROUND	3.00	\$3.86	\$2.90	\$8.70
41	098060-T10051	PANDUIT, 4"W X 3"T, LIGHT GRAY	18.00	*	\$5.16	\$92.88
42	018-06-016	COVER, 4" PANDUIT	18.00	*	\$2.85	\$51.30
43	098152-T00305	PANDUIT E3X3LG6	54.00	*	\$4.65	\$251.10
44	098152-T00251	COVER, PANDUIT #C3LG6 3"X 6' L	54.00	*	\$1.31	\$70.74
45	098152-T00256	PANDUIT E2X3LG6 TAYLOR #92030	12.00	*	\$2.01	\$24.12
46	098152-T00259	COVER, PANDUIT #C2LG6 2"X 6'	12.00	*	\$0.45	\$5.40
47	007152	CON LN 3/4	5.00	*	\$0.10	\$0.50
48	230072-T09988	NIPPLE, INSULATED CHASE, T&B #	5.00	*	\$2.55	\$12.75
49	455999-T00017	WIRE, 1C #12 INSULATED, GREEN,	20.00	*	\$0.17	\$3.40
50	400999-T00027	WIRE, #6 SOLID SOFT DRAWN COPP	6.00	*	\$0.67	\$4.02
51	T17524	MODEM, CELLULAR CDMA/ANALOG	1.00	*	\$718.83	\$718.83
52	8000-80291-0001	SEAR II CCMM ISOLATOR UNIT	1.00	\$450.00	\$337.50	\$337.50
53	T17638	CABLE, SERIAL, DB9M TO DB9M	1.00	*	\$5.70	\$5.70
54	T17639	CABLE, SERIAL DB9F TO DB25M	1.00	*	\$19.67	\$19.67
55	T14025	BATTERY, NI-CAD 250 AH SPL-250	20.00	*	\$262.15	\$5,243.00
						\$44,582.83



Quote For:
 Kansas City Southern Railway
 NORTH ST. - ROODHOUSE, IL
 Asset#: 982054

Date: 2/15/2008
 Est. No.: XP-4567

ITEM	PART NUMBER	GROUND MATERIAL	QTY.	LIST PRICE	KCS PRICE	TOTAL
1	032619-3X	WRENCH, TERMINAL MODEL 619-3	1.00	\$23.00	\$17.25	\$17.25
2	210078-T09605	ARRESTOR, LA. 302, DELTA, 250V	1.00	*	\$34.58	\$34.58
3	115026-T00514	BOND,JOINT XS STYLE SBS-2488-3	100.00	*	\$4.03	\$403.00
4	115026-T09984	BOND, BOOTLEG W/POWDERS,	12.00	*	\$4.65	\$55.80
5	112136-T09603	ROD, GROUND, BLACKBURN #6258	7.00	*	\$10.84	\$75.88
6	T17883	CONNECTION, GROUND ROD	7.00	*	\$8.37	\$58.59
7	999026-T08742	CLIP, TRK. CIRCUIT RETAINER, 1	12.00	*	\$3.53	\$42.36
8	090033-T11626	TUBING, SHRINK, 3M#ITCSN110048	2.00	*	\$32.86	\$65.72
9	231071-T09604	PADLOCK, MASTER #2-KAR, 2C82	8.00	*	\$19.75	\$158.00
10	008711-T10083	PAINT, INDUSTRIAL GRAY ENAMEL,	1.00	*	\$28.35	\$28.35
11	999999-T06734	PLASTER, OF PARIS, 8LB. CARTON	2.00	*	\$8.96	\$17.92
12	116711-T09978	SEALER, SILICONE, DOW #08641	5.00	*	\$7.28	\$36.40
13	090999-T00130	SLEEVE, NICOPRESS 6-6 (2363-J)	12.00	*	\$2.19	\$26.28
14	092033-T10289	TAG, 1" E-Z CODE POCKET PACK,	1.00	*	\$23.53	\$23.53
15	092033-T11625	TAG, 3/4" EZ CODE POCKET PACK,	1.00	*	\$24.32	\$24.32
16	092044-T01098	TAG, WHITE PLASTIC, 2000-1 ,	100.00	*	\$0.15	\$15.00
17	T13024	TAPE, 130C 3M LINERLESS	2.00	*	\$12.12	\$24.24
18	T13871	TAPE, VINYL ELECTRICAL, 3M	2.00	*	\$4.69	\$9.38
19	097000-T00003	TERMINAL,RING TONGUE,WIRE RANG	8.00	*	\$1.06	\$8.48
20	099705-T09998	CABLE, 4 CONDUCTOR, #6, 4/C BC	200.00	*	\$4.43	\$886.00
21	400999-T00027	WIRE, #6 SOLID SOFT DRAWN COPP	100.00	*	\$0.67	\$67.00
22	T17187	CABLE, U.G. 7C#6 SOLID COPPER	500.00	*	\$6.53	\$3,265.00
23	452244-T02245	CABLE, U.G. 7C#9 SOLID COATED	500.00	*	\$3.89	\$1,945.00
24	099026-T09582	BONDSTRAND, RED INSULATED,6/64	200.00	*	\$1.14	\$228.00
25	099056-T00379A	CABLE, U.G. 2C #6 TW. #150-1	500.00	*	\$1.56	\$780.00
26	400999-T00307	CABLE REEL, 30"X22" X 14" X5/8	4.00	*	\$32.05	\$128.20
27	T13884	KIT, MARKING WIRE & TERMINAL	1.00	*	\$27.00	\$27.00
28	T16299	FOUNDATION, AMERICAN CONCRETE	2.00	*	\$185.27	\$370.54
29	330276-T09586	FOUNDATION, CONCRETE SIGNAL, A	1.00	*	\$369.04	\$369.04
30	T17340	TOWER 50' STANDARD TILT-DOWN	1.00	*	\$3,242.14	\$3,242.14
31	117269-T11634	PVC, PIPE 2" X 20' SCH 80	1.00	*	\$37.79	\$37.79
32	117000-T11854	PVC, COUPLING, 2" SCH 80	10.00	*	\$5.85	\$58.50
33	T13023	PVC, ELBOW, 2" , SCHD. 80	2.00	*	\$11.11	\$22.22
34	T13505	PVC, 2" SCH 80, 90 DEG. SWEEP	2.00	*	\$21.25	\$42.50
35	012-00-004	CEMENT, PVC	1.00	*	\$7.58	\$7.58
36	T12808	PRIMER/CLEANER FOR PVC & CPVC	1.00	*	\$7.42	\$7.42
37	0K04-80276-XS05	OMNI / SIDE MNT. ANTENNA KIT	1.00	*	\$854.76	\$854.76
38	0K04-CDMAM-DBOA	DUAL BAND OMNI- ANTENNA KIT	1.00	*	\$907.04	\$907.04
39	627750-3497-430	SHUNT 3497 BOX ASSY KCS 430HZ	1.00	\$892.00	\$669.00	\$669.00
40	409915-T09043	PADLOCK, COMBINATION, PROGRAMM	2.00	*	\$20.69	\$41.38
41	035005-2X	U-BOLT ASSY. 5" W/HDWR	2.00	\$8.70	\$6.53	\$13.06
42	627750-3497-790E	BOX, SHUNT ASSY, KCS, 3497	2.00	\$930.00	\$697.50	\$1,395.00
43	Z501-8V617-0600	DUMMY LOAD, MOUNTS IN MULTI-FR	2.00	\$52.00	\$39.00	\$78.00
44	T.B.D.-CELL	CELLULAR SERVICE	1.00	*	\$3,105.00	\$3,105.00
45	T.B.D.	STENCIL KIT	2.00	*	\$17.25	\$34.50
						\$19,706.75

WARNING MATERIAL

ITEM	PART NUMBER	SIGNAL # 1	QTY.	LIST PRICE	KCS PRICE	TOTAL
1	250371-T10802	GATE ARM, 18'-26', NEG ALUMI-L	1.00	*	\$285.30	\$285.30
2	259371-T10128	BRACKET, HIGH WIND, NEG 191036	1.00	\$101.00	\$75.75	\$75.75
3	070755-2122X	COUNTERWEIGHT KIT, 21-22'	1.00	\$1,230.00	\$922.50	\$922.50
4	T15576	KIT, 3 LIGHT LED GATE ARM	1.00	*	\$245.79	\$245.79
5	253165-T09588	BELL, ELECTRONIC 4" -5" BASE	1.00	\$421.00	\$315.75	\$315.75
6	022318-4	WIRE, 18 GAUGE 3 COND. (CORD F	50.00	*	\$0.47	\$23.50
7	250078-T09607	SIDELIGHT CANTILEVER, W.C.H. #	1.00	*	\$464.39	\$464.39
8	070519-KCS	MAST, "5" 5" X 15'6", STD. HOLE	1.00	\$1,259.00	\$944.25	\$944.25
9	074600-W00009	GATE, MODEL 5-60 ENT. KCS	1.00	\$4,474.00	\$3,355.50	\$3,355.50
10	042003-031KCS	FLX-12, & X-ARM 2-WAY 5" "5"	1.00	\$775.00	\$581.25	\$581.25
11	042003-XKCS-3	FLX-4000 1-WAY 4" FLS MTG.	1.00	\$546.00	\$409.50	\$409.50
12	T18707	LED, MODULE INSERT, 12" WITH	6.00	*	\$184.03	\$1,104.18
13	T17291	KEEPER, GATE ARM GENERAL SIG	1.00	*	\$1,358.61	\$1,358.61
14	035200-63X	SIGN, "RAILROAD CROSSING", BAC	1.00	\$279.00	\$209.25	\$209.25
15	074039-24X-KC4	KIT, 5-60 KCS WIRING HARNESS	1.00	*	\$183.21	\$183.21
16	099056-T09585	WIRE, #10 TYPE DEL, 600-2000V,	40.00	*	\$0.46	\$18.40
17	023274-X65	BAG, HDW TEST LINK KIT GATE	1.00	\$40.58	\$30.44	\$30.44
						\$21,055.14
ITEM	PART NUMBER	SIGNAL # 2	QTY.	LIST PRICE	KCS PRICE	TOTAL
1	250371-T10802	GATE ARM, 18'-26', NEG ALUMI-L	1.00	*	\$285.30	\$285.30
2	259371-T10128	BRACKET, HIGH WIND, NEG 191036	1.00	\$101.00	\$75.75	\$75.75
3	070755-2122X	COUNTERWEIGHT KIT, 21-22'	1.00	\$1,230.00	\$922.50	\$922.50
4	T15576	KIT, 3 LIGHT LED GATE ARM	1.00	*	\$245.79	\$245.79
5	253165-T09588	BELL, ELECTRONIC 4" -5" BASE	1.00	\$421.00	\$315.75	\$315.75
6	022318-4	WIRE, 18 GAUGE 3 COND. (CORD F	50.00	*	\$0.47	\$23.50
7	250078-T09607	SIDELIGHT CANTILEVER, W.C.H. #	1.00	*	\$464.39	\$464.39
8	070519-KCS	MAST, "5" 5" X 15'6", STD. HOLE	1.00	\$1,259.00	\$944.25	\$944.25
9	074600-W00009	GATE, MODEL 5-60 ENT. KCS	1.00	\$4,474.00	\$3,355.50	\$3,355.50
10	042003-031KCS	FLX-12, & X-ARM 2-WAY 5" "5"	1.00	\$775.00	\$581.25	\$581.25
11	042003-XKCS-3	FLX-4000 1-WAY 4" FLS MTG.	1.00	\$546.00	\$409.50	\$409.50
12	T18707	LED, MODULE INSERT, 12" WITH	6.00	*	\$184.03	\$1,104.18
13	T17291	KEEPER, GATE ARM GENERAL SIG	1.00	*	\$1,358.61	\$1,358.61
14	035200-63X	SIGN, "RAILROAD CROSSING", BAC	1.00	\$279.00	\$209.25	\$209.25
15	074039-24X-KC4	KIT, 5-60 KCS WIRING HARNESS	1.00	*	\$183.21	\$183.21
16	099056-T09585	WIRE, #10 TYPE DEL, 600-2000V,	40.00	*	\$0.46	\$18.40
17	023274-X65	BAG, HDW TEST LINK KIT GATE	1.00	\$40.58	\$30.44	\$30.44

Items indicated by " * " are considered to be Non-Safetran items and are acquisition cost plus markup.

Notes:

- 1) Does not include sales tax if applicable.
- 2) Delivery 100-120 days ARO.
- 3) Conduit by others.

Material:	\$85,344.72
Shop Labor:	\$8,112.00
Engineering:	\$600.00
Sub Total:	\$94,056.72
Contingency Fee:	\$9,405.67
Sub Total:	\$103,462.39
Freight:	\$2,662.23
Total:	\$106,124.62

PRELIMINARY ESTIMATE

Final quotation to be issued upon receipt of final plans

Mr. Mike Van Tiem
KANSAS CITY SOUTHERN RAILWAY
4601 Blanchard Road
Shreveport, Louisiana 71107-5799

EST. NO. XP-4568

DATE: February 15, 2008

SHEET: 1 OF 1

FOR MATERIAL AND/OR SERVICES REQUESTED

To provide material, shop wiring and testing for Highway Grade Crossing Warning System proposed for **PALM ST. FAS 731 - ROODHOUSE, IL** Asset No. **982054**

Per supplied KCS Material List and Specs. Price does not include sales tax, if applicable.

THIS QUOTATION IS SUBJECT TO THE "TERMS AND CONDITIONS OF SALE"

1.	WIRED BUNGALOW, includes cost of all equipment within and shop labor cost.	\$ 690.00
2.	WARNING DEVICES, includes cost of flashers and gates or cantilever signals.	\$ 0.00
3.	MISC. SIGNAL MATERIAL, includes items like UG wire & cable, foundations, UG conduit, shunt boxes, track material, etc. .	\$ 33,942.99
4.	Contingency Fee (Amount to equal 10% of job value)	\$ 3,463.30

1. Total price of this inquiry is in US funds: **\$ 38,096.29**
2. F.O.B. point if other than mfg. plant: **Louisville**
3. Estimated freight charge for container shipment: **SHIP WITH NORTH STREET - ROODHOUSE, IL**
4. Safetran has not included cost for any item or service not expressly listed in this quote.
5. Safetran's Container Usage Fee will be billed at actual usage incurred at time of release by the customer. Charges to include \$8.25 per day for container usage and \$380 for clean out.
6. Safetran will not accept any consequential damages, liquidated damages, penalties, or delays for damages, for any of the work associated with this quote.
7. Preliminary estimate is valid for a period of one (1) year
8. Anticipated Delivery: 90 days after receipt of purchase order/contract.
9. Quotation made by - Safetran Systems Corporation, Louisville Division
2400 Nelson Miller Pkwy, Louisville, Kentucky 40223

SIGNED: _____
 JOHN J. PALJUG, VP of MARKETING, SALES AND SERVICE

cc: JayKay Signaling



Quote For:
 Kansas City Southern Railway
 PALM ST. FAS 731 - ROODHOUSE, IL
 Asset#: 982054

Date: 2/15/2008
 Est. No.: XP-4568

ITEM	PART NUMBER	HOUSE MATERIAL	QTY.	LIST PRICE	KCS PRICE	TOTAL
\$0.00						
ITEM	PART NUMBER	GROUND MATERIAL	QTY.	LIST PRICE	KCS PRICE	TOTAL
1	115026-T00514	BOND JOINT XS STYLE SBS-2488-3	50.00	*	\$4.03	\$201.50
2	115026-T09984	BOND, BOOTLEG W/POWDERS,	20.00	*	\$4.65	\$93.00
3	999026-T08742	CLIP, TRK. CIRCUIT RETAINER, 1	20.00	*	\$3.53	\$70.60
4	231071-T09604	PADLOCK, MASTER #2-KAR, 2C82	4.00	*	\$19.75	\$79.00
5	999999-T06734	PLASTER, OF PARIS, 8LB, CARTON	1.00	*	\$8.96	\$8.96
6	116711-T09978	SEALER, SILICONE, DOW #08641	2.00	*	\$7.28	\$14.56
7	090999-T00130	SLEEVE, NICOPRESS 6-6 (2363-J)	20.00	*	\$2.19	\$43.80
8	092033-T10289	TAG, 1" E-Z CODE POCKET PACK,	1.00	*	\$23.53	\$23.53
9	092033-T11625	TAG, 3/4" EZ CODE POCKET PACK,	1.00	*	\$24.32	\$24.32
10	092044-T01098	TAG, WHITE PLASTIC, 2000-1	50.00	*	\$0.15	\$7.50
11	T13024	TAPE, 130C 3M LINERLESS	1.00	*	\$12.12	\$12.12
12	T13871	TAPE, VINYL ELECTRICAL, 3M	1.00	*	\$4.69	\$4.69
13	099056-T00379A	CABLE, U.G. 2C #6 TW. #150-1	200.00	*	\$1.56	\$312.00
14	099026-T09582	BONDSTRAND, RED INSULATED,6/64	100.00	*	\$1.14	\$114.00
15	400999-T00307	CABLE REEL, 30"X22" X 14" XS/8	2.00	*	\$32.05	\$64.10
16	T13884	KIT, MARKING WIRE & TERMINAL	1.00	*	\$27.00	\$27.00
17	409915-T09043	PADLOCK, COMBINATION, PROGRAMM	1.00	*	\$20.69	\$20.69
18	022485-28X	ARRESTER,CLEARVIEW, (CUCA)	14.00	\$13.00	\$9.75	\$136.50
19	022700-1X	EQUALIZER WITHOUT BASE	4.00	\$17.00	\$12.75	\$51.00
20	022615-1X	ARRESTER, HEAVY DUTY, W/O BASE	8.00	\$17.00	\$12.75	\$102.00
21	210026-T11332	GROUND BAR, TINNED BUS STRIP,	2.00	*	\$34.45	\$68.90
22	091769-T09671	TERMINAL, RING TOUNGE, PIDG, A	50.00	*	\$0.56	\$28.00
23	091769-T06180	TERMINAL, AMP, 16/14 HD AWG. 5	50.00	*	\$0.69	\$34.50
24	T16598	BLOCK, TERMINAL 4 POST ERICO #	25.00	*	\$21.53	\$538.25
25	024620-19X	LINK ASSY, TEST	25.00	\$2.67	\$2.00	\$50.00
26	023390-11-6X	BLOCK, TERMINAL 6	1.00	\$13.20	\$9.90	\$9.90
27	099056-T09585	WIRE, #10 TYPE DEL, 600-2000V,	200.00	*	\$0.46	\$92.00
28	099056-T09584	WIRE, #14 FLEX CASE, 19 STRAND	100.00	*	\$0.35	\$35.00
29	8240-80465-002C0	GCP, 4000 DUAL 2 TRACK UNIT	1.00	\$36,323.00	\$27,242.25	\$27,242.25
30	8000-80078-0001	ECHELON TERMINATION UNIT 80078	2.00	\$75.00	\$56.25	\$112.50
31	8000-80297-0002	SEAR II, GROUND FAULT SENSOR	1.00	\$690.00	\$517.50	\$517.50
32	8000-80271-0001	SEAR II, ILOD	1.00	\$484.00	\$363.00	\$363.00
33	Z590-00016-0000	SHEILD, FERRITE BEAD, FOR	2.00	\$1.58	\$1.19	\$2.38
34	053222-T09997	RELAY, POTTER & BRUMFIELD, 120	2.00	*	\$16.05	\$32.10
35	053222-T09797	SOCKET, RELAY P&B 27E121 NEWAR	2.00	*	\$7.85	\$15.70
36	053222-T09795	CLIP, HOLD DOWN RELAY, P&B 20C	4.00	*	\$0.52	\$2.08
37	T16435	SCREW, Round Hd Phillips	4.00	*	\$0.02	\$0.08
38	022316-43	WIRE, 16 GA 19 STRAND, 2/64"	200.00	*	\$0.22	\$44.00
39	T15514	CABLE, 2 CONDUCTOR 18 AWG	50.00	*	\$0.33	\$16.50
40	098152-T00259	COVER,PANDUIT #C2LG6 2"X 6'	12.00	*	\$0.45	\$5.40
41	098152-T00251	COVER,PANDUIT #C3LG6 3"X 6' L	24.00	*	\$1.31	\$31.44
42	098152-T00256	PANDUIT E2X3LG6 TAYLOR #92030	12.00	*	\$2.01	\$24.12
43	098152-T00305	PANDUIT E3X3LG6	24.00	*	\$4.65	\$111.60
44	T17883	CONNECTION, GROUND ROD	4.00	*	\$8.37	\$33.48
45	112136-T09603	ROD, GROUND, 8LACKBURN #6258	4.00	*	\$10.84	\$43.36
46	090033-T11626	TUBING, SHRINK, 3M#ITCSN110048	3.00	*	\$32.86	\$98.58
47	627750-3497-525E	BOX, SHUNT ASSY, KCS, 3497	2.00	\$930.00	\$697.50	\$1,395.00
48	Z501-8V617-0600	DUMMY LOAD, MOUNTS IN MULTI-FR	2.00	\$52.00	\$39.00	\$78.00
49	627750-3497-970E	BOX, SHUNT ASSY, KCS, 3497	1.00	\$930.00	\$697.50	\$697.50
50	Z501-8V617-0600	DUMMY LOAD, MOUNTS IN MULTI-FR	1.00	\$52.00	\$39.00	\$39.00
51	627750-3497-970E	BOX, SHUNT ASSY, KCS, 3497	1.00	\$930.00	\$697.50	\$697.50
52	Z501-8V617-1000	DUMMY LOAD, MOUNTS IN MULTI FR	1.00	\$52.00	\$39.00	\$39.00
53	400999-T00027	WIRE, #6 SOLID SOFT DRAWN COPP	50.00	*	\$0.67	\$33.50
\$33,942.99						

WARNING MATERIAL

ITEM	PART NUMBER	SIGNAL # 1	QTY.	LIST PRICE	KCS PRICE	TOTAL
ITEM	PART NUMBER	SIGNAL # 2	QTY.	LIST PRICE	KCS PRICE	TOTAL
\$0.00						

Items indicated by "*" are considered to be Non-Safetran items and are acquisition cost plus markup

- Notes:
- 1) Does not include sales tax if applicable.
 - 2) Delivery 100-120 days ARO.
 - 3) Conduit by others.

Material:	\$33,942.99
Shop Labor:	\$390.00
Engineering:	\$300.00
Sub Total:	\$34,632.99
Contingency Fee:	\$3,463.30
Sub Total:	\$38,096.29
Freight:	\$0.00
Total:	\$38,096.29