

"COUNTY'S ORIGINAL"

Agmt. No. 006163047

**A G R E E M E N T**

Union Pacific Railroad Company  
Crossing Signals with Gates

Project No. 87 X-2970-01  
HSIP-X297(001)  
Sedgwick County, Kansas

Agreement between the Union Pacific Railroad Company, the County of Sedgwick, Kansas and the Secretary of Transportation of the State of Kansas, relative to the construction and maintenance of Highway Crossing Signals under Section 130, United States Code 23.

\* \* \* \* \*

This agreement, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the Union Pacific Railroad Company, a Delaware Corporation, hereinafter referred to as the "Company", the County of Sedgwick, Kansas, hereinafter referred to as the "County", and the Secretary of Transportation of the State of Kansas, hereinafter referred to as the "Secretary".

**WITNESSETH:**

**WHEREAS**, the Secretary proposes to submit to the Federal Highway Administration of the United States Department of Transportation a project providing for the installation of railway-highway crossing signals, flashing light straight post type with gates at a grade crossing (DOT #595071P) on W 95<sup>th</sup> Street S, Sedgwick County, Kansas, said project to be known and designated as Project No. 87 X-2970-01; HSIP-X297(001) and more particularly described as follows:

at the intersection of W 95<sup>th</sup> Street S and the Company's tracks approximately 1,990 feet East of the Northwest Corner of Section 19, Township 29 South, Range 1 East, in Sedgwick County, Kansas,

and will recommend its approval for construction under Section 130, United States Code 23 and amendments thereto, and

**WHEREAS**, the locations for the warning devices were determined by a diagnostic team consisting of representatives of the Company, the County, and the Secretary, and

**NOW, THEREFORE**, in consideration of the premises and the mutual covenants herein contained, and subject to the approval of the Federal Highway Administration, it is hereby agreed by the parties hereto:

1. The total cost of the project will be funded one-hundred percent (100%) using Federal Section 130 Funds, including preliminary engineering, construction, temporary traffic control, sales tax, users tax and such other items as are properly chargeable to the project under Section 130, United States Code 23 and amendments thereto.

2. Reasonable temporary traffic control expenses are allowable project expenses, based on the roadway's functional classification and average daily traffic. For this project, reasonable traffic control expenses will be the one time installation and subsequent removal of two "Start Construction" and two "End Construction" signs, and traffic flagging when signal installation activities infringe on the traveled way of the roadway. All temporary traffic control will be in accordance with the MUTCD.

3. The County will install and maintain the advance warning signs.

4. The Company will provide the Secretary with a copy of the bill of materials and the detailed estimate of the cost of the project. The estimate to be attached to and become a part of this agreement.

5. After being notified by the Secretary that the project has been approved and that work may begin, the Company will notify the Secretary's Metro Engineer at Wichita, Kansas, at least one week in advanced of the date that work on the project is to be started and should withdrawal from the project become necessary for any reason, the Company will each time notify the Secretary's Metro Engineer of the date that work on the project is to be resumed.

6. The Company will remove the existing crossbucks and will install the new railway-highway crossing signals, flashing light straight post type with gates and make all connections necessary for their successful operation, and do all incidental and appurtenant work in accordance with the project and the "Manual on Uniform Traffic Devices". The Company will furnish all of the material and do all of the work with its own forces, or the work may be done by a contractor paid under a contract let by the Company in compliance with the provisions of 23 C. F. R., Chapter I, Subchapter B, Part 140, Subpart I. Said Title 23 Code of Federal Regulations (23 C. F. R.) is by reference made a part of this agreement. If this work is to be done by a contractor paid under a contract let by the Company, prior written approval shall be obtained from the Secretary. The estimated schedule by the Company for the completion of the work for this project is one year from the date of this agreement.

7. The Company shall comply with respect to the Project with the Buy America provisions set forth in 23 CFR 635.410, in the use of steel and iron produced in the United States, subject to the conditions therein set forth. The Company and Secretary shall work together to clarify with FHWA specific certification requirements, if any, of FHWA.

8. The Company will keep detailed and accurate records of all labor, materials, supplies, incidentals and all other necessary costs involved in carrying out the work performed by the Company under the terms of this agreement, and will give access to such records at any time during regular office hours to any authorized representative of the Secretary or of the Federal Highway Administration, for a period of three years from the date final payment has been received by the Company.

9. Preparation of preliminary estimates, procurements, performance of work, expenditures, billing and reimbursement shall all be done in accordance with 23 C. F. R., Chapter I, Subchapter B, Part 140, Subpart I.

10. To reimburse the Company within thirty (30) calendar days after receipt of the undisputed portion of any invoice for cost incurred for work done by the Company in accordance with the provisions of this Agreement except amounts retained from each billing and payment of the final billing pursuant to paragraph 11.

11. The Company will submit to the Secretary's Metro Engineer a final and complete billing of the incurred costs within one year after the completion of the work, and the Secretary will pay an amount equal to ninety-five percent (95%) of the total amount of each billing for this project pending final audit. Upon completion of final audit, the Secretary will reimburse the Company for the total amount of the final billing found eligible for payment by audit by the Secretary and/or Federal Highway Administration. The Company will reimburse the Secretary for one hundred percent (100%) of the amount of all items in the Company's bill which are declared by the Secretary and/or Federal Highway Administration to be ineligible for participation in Federal Funds.

12. The Company shall have title to the signals and gates and at its own cost and expense will maintain the signals and gates and will make ample provision each year for such maintenance, provided, however, the Company shall be entitled to receive any contribution toward the cost of such maintenance as may be now, or hereafter made available by reason of any law, ordinance, regulation, order, grant or by other means or sources.

13. The parties hereto do hereby agree that the "Special Attachment No. 1" herewith, pertaining to the implementation of

Title VI of the Civil Rights Act of 1964, is hereby made a part of this agreement.

14. The Company does agree that the "Special Attachment No. 2" herewith, pertaining to lobbying, is hereby made a part of this agreement.

15. It is further understood that this agreement and all contracts entered into under the provisions of this agreement shall be binding upon the Company, the County and the Secretary and their successors and assigns.

**IN WITNESS WHEREOF**, the parties hereto have caused this agreement to be executed in triplicate by their proper officers on the day and year first herein written.

RICHARD CARLSON  
INTERIM SECRETARY OF TRANSPORTATION

BY: \_\_\_\_\_  
SCOTT W. KING, P.E., CHIEF  
BUREAU OF ROAD DESIGN

UNION PACIFIC  
RAILROAD COMPANY

BY: 

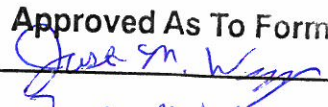
TITLE: Kevin D. Hicks - AVP Engineering

ATTEST:

SEDGWICK COUNTY

\_\_\_\_\_  
COUNTY CLERK

BY: \_\_\_\_\_  
Title: \_\_\_\_\_

Approved As To Form  
  
Justin M. Waggoner,  
Assistant County Counselor

## KANSAS DEPARTMENT OF TRANSPORTATION

Special Attachment  
To Contracts or Agreements Entered Into  
By the Secretary of Transportation of the State of Kansas

NOTE: Whenever this Special Attachment conflicts with provisions of the Document to which it is attached, this Special Attachment shall govern.

THE CIVIL RIGHTS ACT OF 1964, and any amendments thereto,  
REHABILITATION ACT OF 1973, and any amendments thereto,  
AMERICANS WITH DISABILITIES ACT OF 1990, and any amendments thereto,  
AGE DISCRIMINATION ACT OF 1975, and any amendments thereto,  
EXECUTIVE ORDER 12898, FEDERAL ACTIONS TO ADDRESS ENVIRONMENTAL JUSTICE IN  
MINORITY POPULATIONS AND LOW INCOME POPULATIONS (1994), and any amendments thereto,  
49 C.F.R. Part 26.1 (DBE Program), and any amendments thereto

### NOTIFICATION

The Secretary of Transportation for the State of Kansas, in accordance with the provisions of Title VI and Title VII of the Civil Rights Act of 1964 (78 Stat. 252), §504 of the Rehabilitation Act of 1973 (87 Stat. 3555) and the Americans with Disabilities Act of 1990 (42 USC 12101), the Age Discrimination Act of 1975 (42 USC 6101), the Regulations of the U.S. Department of Transportation (49 C.F.R., Part 21, 23, and 27), issued pursuant to such ACT, Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations (1994), and the DBE Program (49 C.F.R., Part 26.1), hereby notifies all contracting parties that, the contracting parties will affirmatively insure that this contract will be implemented without discrimination on the grounds of race, religion, color, gender, age, disability, national origin, or minority populations and low income populations as more specifically set out in the following seven "Nondiscrimination Clauses".

### CLARIFICATION

Where the term "consultant" appears in the following seven "Nondiscrimination Clauses", the term "consultant" is understood to include all parties to contracts or agreements with the Secretary of Transportation of the State of Kansas.

### Nondiscrimination Clauses

During the performance of this contract, the consultant, or the consultant's assignees and successors in interest (hereinafter referred to as the "Consultant"), agrees as follows:

- (1) Compliance with Regulations: The consultant will comply with the Regulations of the U. S. Department of Transportation relative to nondiscrimination in federally-assisted programs of the U.S. Department of Transportation (Title 49, Code of Federal Regulations, Parts 21, 23 and 27,

hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

- (2) Nondiscrimination: The consultant, with regard to the work performed by the consultant after award and prior to the completion of the contract work, will not discriminate on the grounds of race, religion, color, gender, age, disability, national origin or minority populations and low income populations in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The consultant will not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- (3) Solicitations for Subcontractors, Including Procurements of Material and Equipment: In all solicitations, either competitive bidding or negotiation made by the consultant for work to be performed under a subcontract including procurements of materials and equipment, each potential subcontractor or supplier shall be notified by the consultant of the consultant's obligation under this contract and the Regulations relative to nondiscrimination on the grounds of race, religion, color, gender, age, disability, national origin or minority populations and low income populations.
- (4) Information and Reports: The consultant will provide all information and reports required by the Regulations, or orders and instructions issued pursuant thereto, and the Secretary of the Transportation of the State of Kansas will be permitted access to the consultant's books, records, accounts, other sources of information, and facilities as may be determined by the Secretary of Transportation of the State of Kansas to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a consultant is in the exclusive possession of another who fails or refuses to furnish this information, the consultant shall so certify to the Secretary of Transportation of the State of Kansas and shall set forth what efforts it has made to obtain the information.
- (5) Employment: The consultant will not discriminate against any employee or applicant for employment because of race, religion, color, gender, age, disability, or national origin.
- (6) Sanctions for Noncompliance: In the event of the consultant's noncompliance with the nondiscrimination provisions of this contract, the Secretary of Transportation of the State of Kansas shall impose such contract sanctions as the Secretary of Transportation of the State of Kansas may determine to be appropriate, including, but not limited to,
  - (a) withholding of payments to the consultant under the contract until the contractor complies, and/or
  - (b) cancellation, termination or suspension of the contract, in whole or in part.
- (7) Disadvantaged Business Obligation

- (a) Disadvantaged Businesses as defined in the Regulations, shall have a level playing field to compete fairly for contracts financed in whole or in part with Federal funds under this contract.
  - (b) All necessary and reasonable steps shall be taken in accordance with the Regulations to ensure that Disadvantaged Businesses have equal opportunity to compete for and perform contracts. No person(s) shall be discriminated against on the basis of race, color, gender, or national origin in the award and performance of federally-assisted contracts.
  - (c) The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of Federally-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the recipient deems appropriate.
- (8) Executive Order 12898
- (a) To the extent permitted by existing law, and whenever practical and appropriate, all necessary and reasonable steps shall be taken in accordance with Executive Order 12898 to collect, maintain, and analyze information on the race, color, national origin and income level of persons affected by programs, policies and activities of the Secretary of Transportation of the state of Kansas and use such information in complying with this Order.
- (9) Incorporation of Provisions: The consultant will include the provisions of paragraphs (1) through (8) in every subcontract, including procurements of materials and equipment, unless exempt by the Regulations, order, or instructions issued pursuant thereto. The consultant will take such action with respect to any subcontract or procurement as the Secretary of Transportation of the State of Kansas may direct as a means of enforcing such provisions including sanctions for noncompliance: PROVIDED, however, that, in the event a consultant becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the consultant may request the State to enter into such litigation to protect the interests of the State.

**CERTIFICATION FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

ESTIMATE OF MATERIAL AND FORCE ACCOUNT WORK  
BY THE  
UNION PACIFIC RAILROAD

DATE: 2016-06-17

THIS ESTIMATE GOOD FOR 6 MONTHS EXPIRATION DATE IS :2016-12-16

DESCRIPTION OF WORK:  
INSTALL AUTOMATIC FLASHING LIGHT CROSSING SIGNALS  
WITH GATES AT HAYSVILLE, KS. 95TH STREET M.P. 256.05  
ON THE ENID SUB. DOT #595071P  
WORK TO BE PERFORMED BY RAILROAD WITH EXPENSE AS BELOW:  
SIGNAL - KDOT - 100%  
ESTIMATED USING FEDERAL LABOR ADDITIVE - SIGNAL 116.95%

PID: 95766 AWO: 34388 MP, SUBDIV: 256.05, ENID  
SERVICE UNIT: 07 CITY: HAYSVILLE STATE: KS

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
<b>ENGINEERING WORK</b>							
ENGINEERING			3660		3660		3660
LABOR ADDITIVE 116.95%			9837		9837		9837
SIG-HWY XNG			4821		4821		4821
<b>TOTAL ENGINEERING</b>			<b>18318</b>		<b>18318</b>		<b>18318</b>
<b>SIGNAL WORK</b>							
BILL PREP			900		900		900
CONTRACT				6253	6253		6253
CULVERT				1000	1000		1000
LABOR ADDITIVE 116.95%			48876		48876		48876
MATL STORE EXPENSE				459	459		459
METER SERVICE				10000	10000		10000
PERSONAL EXPENSES				18750	18750		18750
RCLW CONTRACT				5569	5569		5569
ROCK/GRAVEL/FILL				18000	18000		18000
SALES TAX				2505	2505		2505
SIGNAL			40892	62629	103521		103521
TRANSP/IB/OB/RCLW				4546	4546		4546
ENVIRONMENTAL PERMIT				10	10		10
<b>TOTAL SIGNAL</b>			<b>90668</b>	<b>129721</b>	<b>220389</b>		<b>220389</b>
<b>LABOR/MATERIAL EXPENSE</b>			<b>108986</b>	<b>129721</b>			
<b>RECOLLECTIBLE/UPRR EXPENSE</b>					<b>238707</b>	<b>0</b>	
<b>ESTIMATED PROJECT COST</b>							<b>238707</b>

THE ABOVE FIGURES ARE ESTIMATES ONLY AND SUBJECT TO FLUCTUATION. IN THE EVENT OF AN INCREASE OR DECREASE IN THE COST OR QUANTITY OF MATERIAL OR LABOR REQUIRED, UPRR WILL BILL FOR ACTUAL CONSTRUCTION COSTS AT THE CURRENT EFFECTIVE RATE.

FORM 30-1  
WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES  
PAGE 04 MORE  
PROJ NO: 95766  
A.W.O. NO: 34388  
W.O. NC:  
B.I. NC: 16EN10  
STATE: KS  
VAL SEC: 1408M

RAILROAD: UPRR CO.  
LOCATION: HAYSVILLE KS-95TH STREET-ENID SUB  
DEPARTMENT: ENGINEERING SERVICES

----- STOCK MATERIAL PLAN -----

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATERIAL \$
02040420	BATTERY,GNB, 50GL3, 312 AH.	193.28	13	EA	2513
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA.	0.02	200	EA	4
09011980	CABLE TIE, NYLON 3 1/2" MAX. DIA.	0.18	20	EA	4
09014950	CIRCUIT BRKR,120V/240V 20A 2 POLE	14.65	1	EA	15
09015270	CIRCUIT BREAKER, 120V/240V 20A AC	6.46	1	EA	6
09034550	TAPE, ELECTRICAL BLACK(THE GOOD S	4.37	2	RL	9
09042920	LED POWER OFF INDICATOR/STROBE	131.16	1	EA	131
09054360	RELAY, GEN.PURPOSE 120V. TAB 856	9.02	1	EA	9
09057650	SOCKET,P-B 27E122 TAB 836A & 856	2.48	1	EA	2
09066900	TERMINAL,SPADE,10-12 WIRE,#8 STUD	0.17	10	EA	2
09137100	TERM IUG 3/16 CABLE-1/4 POST 2412	0.55	20	EA	11
09215100	33466 TERMINAL, RING TONGUE AMP	0.19	44	EA	8
09224750	216-107 TERMINAL,FERRULE,FOR #10	0.05	20	EA	1
09224800	216-104 TERMINAL,FERRULE, W	0.02	50	EA	1
09260350	TERMINAL,#16-14 #8 SPADE	0.08	35	EA	3
09261420	321524-1 TERMINAL,TEST 16-22 A	1.86	4	EA	7
09261570	321527-1 TERMINAL, TEST	2.20	15	EA	33
09844170	GROUND ROD, 5/8 INCH X 8 FEET	9.13	9	EA	82
09846750	GRND.ROD CONN. 4WAY ONESHOT.	6.17	9	EA	56
09904000	WIRE, #2 AWG 3 COND 300 FT.SPOOL	5.21	300	LF	1563
09908640	WIRE,#6 AWG.1 COND.COPPER,SOLID	1.20	225	LF	270
09913200	WIRE #6 AWG 2 CND 500'ROLL SHIELD	1.93	500	LF	965
09913300	WIRE #6, 5 COND 500'ROLL SHIELDED	3.66	500	LF	1830
09915610	WIRE #6 AWG 1 COND COPPER,BLK,STR	0.77	32	LF	25
09915620	WIRE #6 AWG 1 COND COPPER, STRAND	0.99	18	LF	18
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.24	650	LF	156
09933210	WIRE #10 AWG 1 COND COPPER,TWSTPR	0.55	250	LF	138
09946100	WIRE #14, 7 CND 500' ROLL SHIELDE	1.64	500	LF	820
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.11	500	LF	55
09976180	WIRE,#22,TW.PR. BELDEN #8761	0.17	20	LF	3
13547870	SHEET METAL SCREW, #10 X 1 INCH	3.63	1	BX	4
13552450	SHEET METAL SCREW,#12 X 3/4"	2.11	2	BX	4
13553150	SHEET METAL SCREW #12 X 1"	4.34	2	BX	9
17061400	PADLOCK, SIGNAL,WITHOUT KEY,AMERIC	15.65	10	EA	157
17061540	PADLOCK, SIGNAL, MAXIMUM SECURITY	18.53	1	EA	19
26175800	CROSSING CUTOVER PROCEDURES FORMS	2.69	1	EA	3
26175910	CROSSING CUTOVER PROCEDURES MANUA	6.95	1	EA	7
33013860	OAKUM, TREATED PLUMBER SPUN	10.95	10	LB	110
35040020	PLASTER OF PARIS, #DAP 10308	3.66	2	BX	7
39313540	SIGN, EMERGENCY NUMBER SIGN BRACK	12.81	2	EA	26

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PAGE 05 MORE

PROJ NO: 95766  
A.W.O. NO: 34388  
W.O. NO:  
B.I. NO: 16EN10  
STATE: KS  
VAL SEC: 1408M

RAILROAD: UPRR CO.  
LOCATION: HAYSVILLE, KS-95TH STREET-ENID SUB  
DEPARTMENT: ENGINEERING SERVICES

39313560 SIGN, "EMERGENCY PHONE NUMBER	7.89	2 EA	16
39340220 SIGN, HIGHWAY CROSSING, STANDARD	69.28	2 EA	139
39375100 SIGN, POST, STEEL 9 FT GALVANIZED	19.43	4 EA	78
51035110 STEEL RETAINING WALL SW6WR40	8800.00	1 EA	8800
52001370 SURGE PROTECTOR SP20-2A TAB 585	85.68	2 EA	171
52003630 POWER CABLE, CABIN TO GENERATOR -	80.49	1 EA	80
52005700 BOND WIRE, 7 STRANDS 100 LF. ROLL	1.09	200 LF	218
52007460 SBK340 BOOTLEG KIT-ERICO-CONTAINS	47.50	4 EA	190
52016830 WIRE DUCT, 2X3	8.70	12 EA	104
52016940 WIRE DUCT, 3X3	10.24	5 EA	51
52017510 WIRE DUCT COVER 2"X6'	1.92	12 EA	23
52017620 WIRE DUCT COVER 3"X6'	2.79	5 EA	14
52019530 ENCLOSURE, SHUNT, POLE MOUNTED. 24X2	265.87	2 EA	532
52021550 FOUNDATION, 4', STEEL FOR FLGHR/GAT	372.75	2 EA	746
52025290 HOUSE, INSTRUMENT 6 X 6 X 8'10" H	6337.70	1 EA	6338
52027350 CLIP BOARD - FOR SIGNAL PRINTS	8.03	1 EA	8
52027430 STEP BOX	23.09	1 EA	23
52030010 LIGHTNING ARRESTOR CONN. STRIP	10.97	4 EA	44
52039210 RECTIFIER, 20EC, 12V. TABS75	292.23	2 EA	584
52068650 TERMINAL, #6 - 5 WIRE - RING TYPE	0.16	55 EA	9
52070010 TERMINAL, #12-10 WIRE, RING TONGUE	0.24	300 EA	72
52071600 TERMINAL, #20-16 WIRE, RING TONGUE	0.13	150 EA	20
52072280 TERMINAL BLOCK, SIGNAL 2 POST 6 UN	4.99	26 EA	130
52072740 TERMINAL BLOCK, SIGNAL 12 POST	16.63	1 EA	17
52072960 TERMINAL STRIP, SIGNAL 12 POST	15.84	12 EA	190
52074570 TEST LINK, 1" CENTER TO CENTER	1.53	4 EA	6
52074580 TEST LINK, 2-3/8" CENTER TO CENTE	1.89	1 EA	2
52079550 WIRE TAG, PLASTIC - WHITE	0.28	200 EA	56
52079560 MARKING PEN (FOR WHITE TAG)	1.97	1 EA	2
52108120 LED FL/GATE ASSY. 2 WAY LIGHTS	6901.57	2 EA	13803
52109370 GATE ARM, ADJ. 16-32'	420.25	2 EA	841
52136280 SHEAR BOLT, 74GS2W-1, NEG	5.48	2 EA	11
52136480 SHEAR PIN, 74GS2W-2, NEG	4.74	2 EA	9
52136500 GUARD FENCE, 12 FEET 6 INCHES	416.92	2 EA	834
52145130 CROSSING GATE ALIGNMENT ARROWS	1.10	2 PK	2
52207100 GRDXNG PRDTR GCP4000 2TK.MAX W/SE	14535.77	1 EA	14536
52258590 NBS, TAB 641, 62775-1543	397.44	2 EA	795
52263600 SURGE ARRESTOR, METER LOOP.	38.04	1 EA	38
52264040 SURGE PANEL - TAB 618	184.98	1 EA	185
52276150 SS XING CONTROLLER MODULE FOR GCP	1534.64	2 EA	3069
53648010 INSULATING CAP & SHIELD ASSY.	2.72	4 EA	11
53783630 UN451552-0101 ARRESTER, LOW VOLTA	13.13	11 EA	144
53792820 UN451552-0201 LIGHTNING ARRESTER	11.24	28 EA	315
53903460 EPD 120/240TDFL SURGE PROTECTOR	292.70	1 EA	293
TOTAL			62,635

FORM 30-1

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PAGE 06 MORE

PROJ NO: 95765

A.W.O. NO: 34388

W.O. NO:

B.I. NO: 16EN10

STATE: KS

VAL SEC: 1408M

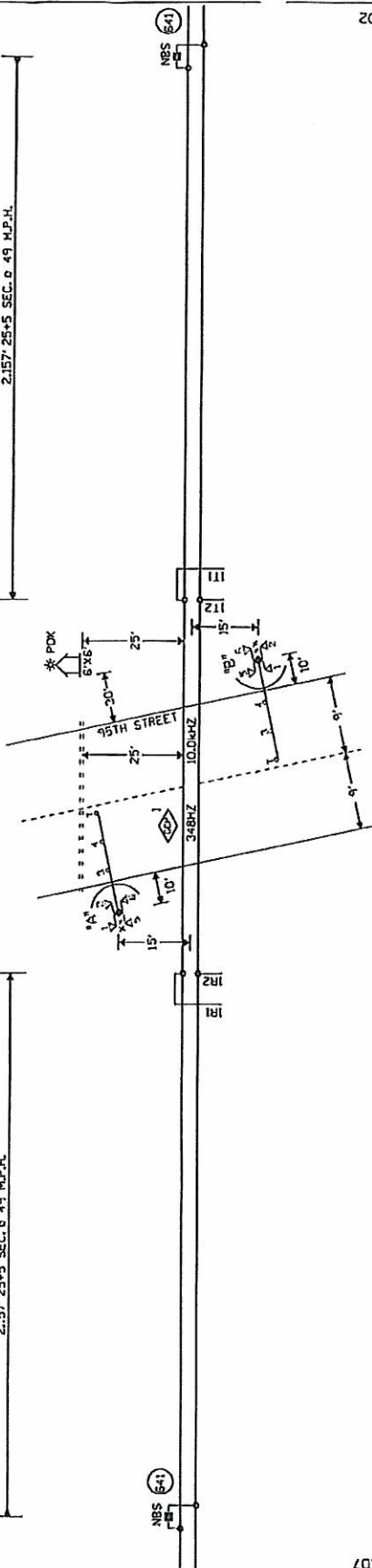
RAILROAD: UPRR CO.  
LOCATION: HAYSVILLE, KS-95TH STREET-ENID SUB  
DEPARTMENT: ENGINEERING SERVICES

PRIME WARNING TIME = 25 SECONDS

TO NORTH JCT. (BNSF)

2:57' 25+5 SEC. @ 49 M.P.H.

2.157' 25+5 SEC. @ 49 M.P.H.



CONNECTS TO M.P. 257.07

CONNECTS TO M.P. 255.02

TWISTED WIRES  
INCLUDED MUST PER FT.  
INSULATED TRACK WIRES 2C\*16

TRANSMITTER AND RECEIVER LEADS  
SHOULD BE LAYED OUT IN TRENCH  
LENGTHS SHOULD NOT EXCEED MANUFACTURER'S  
RECOMMENDATION.

TOP OF FOUNDATION TO BE AT SAME ELEVATION  
AS THE SURFACE OF THE TRAVELED WAY & NO  
MORE THAN 4" ABOVE THE SURFACE OF THE GROUND.  
ALL BUNGALOW WIRING TO BE 16 AWG FLEX  
UNLESS OTHERWISE SPECIFIED EXCEPT ALL GROUND  
WIRE TO BE 16 AWG FLEX OR LARGER.

ALL WIRING IN GATE MECHANISM TO BE "10 AWG WARE".

REFER TO UP STANDARD DNG FOR BUNGALOW GROUNDING.

PORTABLE GENERATOR EXTENSION CORD  
FOR 240V TO 240V IS PROVIDED AS WELL  
AS A 120V TO 240V ADAPTER.

ALL LIGHTS TO BE 12" ROUNDELS.

11INOD2.05 = 4" X 50" CONDUIT

**LIGHTS: LED LIGHTS**

GATE "A": 19' ☐ SEMI CIRCLE  
GATE "B": 18' ☐ GUARD RAILS

XX = BELL

TRK 1 ISLAND DISTANCE 123 - MINIMUM 120' REQUIRED

PREFERRED ISLAND WIRE CONNECTIONS  
ARE A MINIMUM 50' FROM  
EDGE OF ROAD

## NEW SHEET

[illegible]

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