

"COUNTY'S ORIGINAL"

Agmt. No. 006163045

A G R E E M E N T

Union Pacific Railroad Company
Crossing Signals with Gates

Project No. 87 X-2968-01
HSIP-X296(801)
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 #595016P) on E 77th Street N, Sedgwick County, Kansas, said project to be known and designated as Project No. 87 X-2968-01; HSIP-X296(801) and more particularly described as follows:

at the intersection of E 77th Street N and the Company's tracks approximately 2,730 feet West of the Northeast Corner of Section 6, Township 26 South, Range 2 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: K.D.H.

TITLE: Kevin D. Hicks - AVP Engineering

ATTEST:

SEDGWICK COUNTY

COUNTY CLERK

BY: _____
Title: _____

Approved As To Form

Josh M. Wegman
Josh M. Wegman,
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: 2016-07-13

THIS ESTIMATE GOOD FOR 6 MONTHS EXPIRATION DATE IS :2017-01-11

DESCRIPTION OF WORK:

INSTALL AUTOMATIC FLASHING LIGHT CROSSING SIGNALS
WITH GATES AT KECHI, KS. N. 77TH STREET M.P. 233.73
ON THE LOST SPRINGS SUB. DOT #595016P
WORK TO BE PERFORMED BY RAILROAD WITH EXPENSE AS BELOW:
SIGNAL - KDOT - 100%
ESTIMATED USING FEDERAL LABOR ADDITIVES - 116.95%

PID: 95735 AWO: 34328 MP, SUBDIV: 233.73, LOSTSPRNGS
SERVICE UNIT: 07 CITY: FURLEY STATE: KS

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
ENGINEERING WORK							
ENGINEERING			3660		3660		3660
LABOR ADDITIVE 116.95%			9837		9837		9837
SIG-HWY XNG			4821		4821		4821
TOTAL ENGINEERING			18318		18318		18318
SIGNAL WORK							
BILL PREP			900		900		900
CONTRACT				6755	6755		6755
LABOR ADDITIVE 116.95%			46969		46969		46969
MATL STORE EXPENSE				678	678		678
METER SERVICE				7500	7500		7500
PERSONAL EXPENSES				18000	18000		18000
RCLW CONTRACT				5694	5694		5694
ROCK/GRAVEL/FILL				18000	18000		18000
SALES TAX				2705	2705		2705
SIGNAL			39262	67648	106910		106910
TRANSP/IB/OB/RCLW				4911	4911		4911
ENVIRONMENTAL PERMITS				10	10		10
TOTAL SIGNAL			87131	131901	219032		219032
LABOR/MATERIAL EXPENSE			105449	131901			
RECOLLECTIBLE/UPRR EXPENSE					237350	0	
ESTIMATED PROJECT COST							237350

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.

PROJ NO: 95735
A.W.O. NO: 34328
W.O. NO:
B.I. NO: 16EN10
STATE: KS
VAL SEC: 1408M

RAILROAD: UPRR CO.
LOCATION: KECHI, KS-N 77TH-LOST SPRINGS SUB
DEPARTMENT: ENGINEERING SERVICES

STOCK MATERIAL PLAN

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATEL \$
02040420	BATTERY, GNB, 50G13, 312 AH.	193.13	6	EA	1159
02040540	BATTERY, GNB, 50G19, 472 AH.	258.43	7	EA	1809
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	130.92	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. LUG 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	5.18	300	LF	1554
09908640	WIRE, #6 AWG 1 COND. COPPER, SOLID	1.20	225	LF	270
09912200	WIRE #6 AWG 2 CND 500' ROLL SHIELD	1.93	500	LF	965
09913200	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
09932310	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	18.56	1	EA	19
26175800	CROSSING CUTOVER PROCEDURES FORMS	2.69	1	EA	3
26175810	CROSSING CUTOVER PROCEDURES MANUA	6.85	1	EA	7
33013860	OAKUM, TREATED PLUMBER SPUN	10.85	10	LB	109
35040020	PLASTER OF PARIS, #DAP 10308	3.66	2	BX	7

FORM 30-1
 WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PAGE 05 MORE

RAILROAD: UPRR CO.
 LOCATION: KECHI, KS-N 77TH-LOST SPRINGS SUB
 DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 95735
 A.W.O. NO: 34328
 W.O. NO:
 B.I. NO: 16EN10
 STATE: KS
 VAL SEC: 1408M

39313540	SIGN, EMERGENCY NUMBER SIGN BRACK	12.81	2 EA	26
39313560	SIGN, "EMERGENCY PHONE NUMBER	7.88	2 EA	16
39340220	SIGN, HIGHWAY CROSSING, STANDARD	69.58	2 EA	139
39375100	SIGN POST, STEEL 9 FT GALVANIZED	19.43	4 EA	78
51035090	STEEL RETAINING WALL SW6WR30	6593.15	2 EA	13186
52001370	SURGE PROTECTOR SP20-2A TAB 585	85.71	2 EA	171
52003630	POWER CABLE, CABIN TO GENERATOR -	80.40	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	265.94	2 EA	532
52021550	FOUNDATION, 4', STEEL, FOR FLSHR/GAT	373.79	2 EA	748
52025290	HOUSE, INSTRUMENT 6 X 6 X 8'10" H	6333.51	1 EA	6334
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. TAB575	292.43	2 EA	585
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 BAK	4.99	26 EA	130
52072740	TERMINAL BLOCK, SIGNAL 12 POST 6 UN	16.65	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	6901.58	2 EA	13803
52109370	GATE ARM, ADJ. 16-32'	418.31	2 EA	837
52136380	SHEAR BOLT, 74GS2W-1, NEG	5.48	2 EA	11
52136480	SHEAR PIN, 74GS2W-2, NEG	4.75	2 EA	10
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	14543.19	1 EA	14543
52258590	NBS, TAB 641, 62775-1543	397.70	2 EA	795
52263600	SURGE ARRESTOR, METER LOOP.	38.06	1 EA	38
52264040	SURGE PANEL - TAB 618	185.01	1 EA	185
52276150	SS XING CONTROLLER MODULE FOR GCP	1535.26	2 EA	3071
53648010	INSULATING CAP & SHIELD ASSY.	2.72	4 EA	11
53783630	UN451552-0101 ARRESTER, LOW VOLTA	13.36	16 EA	214
53792820	UN451552-0201 LIGHTNING ARRESTER	11.28	38 EA	429
53903460	EPD 120/240TDFL SURGE PROTECTOR	292.70	1 EA	293

PROJ NO: 95735
A.W.O. NO: 34328
W.O. NO:
B.I. NO: 16EN10
STATE: KS
VAL SEC: 1408M

RAILROAD: UPRR CO.
LOCATION: KECH, KS-N 77TH-LOST SPRINGS SUB
DEPARTMENT: ENGINEERING SERVICES

TOTAL 67,655

TO CP 2107(BNSF)

PRIME WARNING TIME = 26 SECONDS

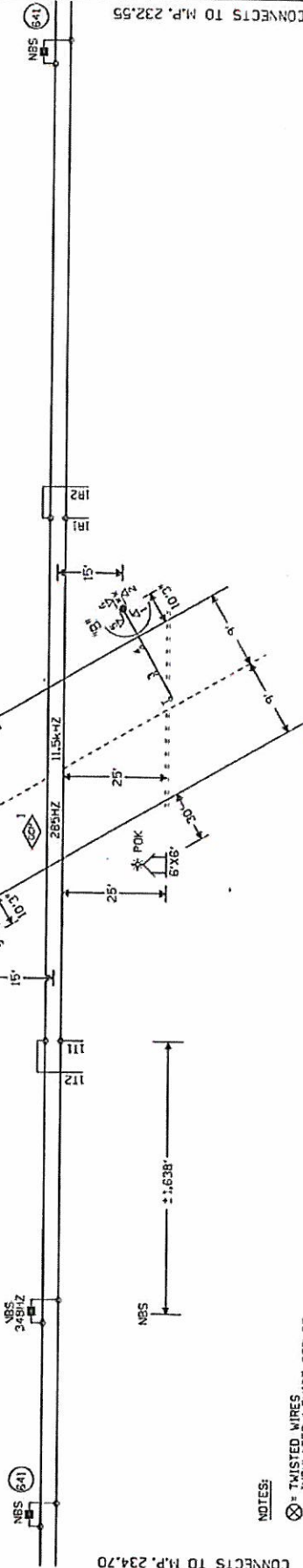
TO HERINGTON

2.229' 25'-5" (C.T.) SEC. 49 M.P.H.

2.229' 25'-5" (C.T.) SEC. 49 M.P.H.



WOODLAWN ST.
APPROACH



CONNECTS TO M.P. 234.70

CONNECTS TO M.P. 232.55

NOTES:

- ⊗ = TWISTED WIRES
- ⊗ = INSULATED 1 TWIST PER FT.
- ALL TRACK WIRES 2C-#6
- TRANSMITTER AND RECEIVER LEADS TO BE SEPARATED BY AT LEAST 12" IN TRENCH. LEADS SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATION.
- TOP OF TOWER TO BE AT SAME ELEVATION AS THE SURFACE OF THE GROUND.
- ALL BUNGALOW WIRING TO BE #16 ANG FLEX UNLESS OTHERWISE SPECIFIED EXCEPT ALL GROUND WIRE TO BE #6 ANG FLEX OR LARGER.
- ALL WIRING IN GATE MECHANISM TO BE #10 ANG FLEX.
- REFER TO UP STANDARD DWG 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.
- = 4" X 30" CONDUIT
- LIGHTS: LED LIGHTS
- GATE "A" 19'
- GATE "B" 19'
- xx = BELL
- = GUARD RAIL

CONSTRUCTION NOTE:

- 1. RETAINING WALL REQUIRED FOR BUNGALOW AND GATE "A".

OFFSET AND ISLAND DISTANCES TO BE VERIFIED BY FIELD

WEST ← ○ → EAST

TRK 1 ISLAND DISTANCE 124' MINIMUM 120' REQUIRED
PREFERRED ISLAND WIRE CONNECTIONS ARE A MINIMUM 50' FROM EDGE OF ROAD

NEW SHEET

UNION PACIFIC RAILROAD				SHEET 1	
KECHI, KANSAS				DOT	575016P
NORTH 77TH STREET				CHK	NCR
LOST SPRINGS SUBDIVISION				MFL	233.73
NOTES: SEE APPENDICES A & B				MFL	34320
DATE: 5/11/16				DATE	5/11/16
DRAWN: TMD				CHK	NCR
CHECKED: NCR				DATE	5/11/16
APPROVED: [Signature]				DATE	5/11/16
PROJECT: [Project Name]				DATE	5/11/16
REVISION: [Revision]				DATE	5/11/16