

ORIGINAL

T08-0126

**STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT 1335**

This Agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission ("Commission"), The Alton & Southern Railway Company ("Company"), the City of Granite City ("City"), and the State of Illinois, Department of Transportation ("Department" or "IDOT").

WITNESSETH:

WHEREAS, it has come to the attention of the Commission, through application for assistance from the Grade Crossing Protection Fund, that inquiry should be made into the matter of improving public safety at the Pontoon Road highway-rail grade crossing of the Company's track in Granite City, Madison County, Illinois, designated as crossing AAR/DOT 846 969A, milepost 18.6-ML; and

WHEREAS, proper investigation has been made of the circumstances surrounding the subject crossing by a representative of the Commission's Transportation Bureau Railroad Section; and

WHEREAS, the physical aspects, including geometrics of the intersection, train movements, vehicular traffic volume and other pertinent data relating to the crossing have been obtained and shown on Exhibit A, attached to this Agreement; and

WHEREAS, the parties are mutually agreeable to accomplish proposed improvements to the crossing upon determination of the Commission by Order.

NOW, THEREFORE in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties pray that the Commission enter an Order according to the provisions of Section 18c-7401 of the Illinois Commercial Transportation Law, 625 ILCS 5/18(c)-7401, requiring that certain improvements as hereinafter stated be made and that the cost for the proposed improvements be divided among the parties according to law and that in the interest of the traveling public the Grade Crossing Protection Fund ("GCPF") of the Motor Fuel Tax Law ("MFT") be required to bear a substantial portion of the cost; To Wit the parties agree as follows:

Section 1 All improvements encompassed by this Agreement shall be made in accordance with all applicable State laws, rules, standards, regulations and orders and procedures in general.

Section 2 The parties are of the opinion that the following improvements in the interest of public safety at the aforesaid crossing should be:

- (a) Relocate existing cantilevers and install automatic flashing light signals and gates with LED lights, controlled by constant warning time circuitry.

DOCKETED

Section 3 The Company has prepared a detailed drawing, circuit plans, required specifications and a preliminary cost estimate to accomplish the proposed safety improvements, which may be required by Commission Order. The drawing, circuit plans, specifications, and cost estimate is attached and incorporated herein by reference as Exhibit B.

Section 4 The Company shall upon Order, according to the requirements contained therein, proceed toward the completion of the proposed improvements, accomplishing the work with its own forces or appropriate contracted services and agrees that an appropriate time for the completion of the proposed improvements should be twelve (12) months from the date of a Commission Order approving this Agreement.

Section 5 The parties agree that an equitable division of cost for the proposed improvements is as follows:

- COST DIVISION TABLE -

IMPROVEMENT	EST. COST	GCPF	CITY	COMPANY	IDOT
Install Automatic Flashing Light Signals and Gates, controlled by CWT Circuitry; Relocate cantilevers	\$267,536	(30%) \$80,261 ¹	(0%) \$0	(0%) \$0 ²	(70%) \$187,275 ¹
TOTALS	\$267,536	\$80,261	\$0	\$See below	\$187,275

Notes:

¹ Total Grade Crossing Protection Fund (GCPF) assistance not to exceed \$80,261; total IDOT assistance not to exceed \$187,275; any installation costs above the estimated amount of \$267,536 will be paid by the GCPF and IDOT in the same percentages noted above, upon submittal and review of evidence to support the additional cost and subject to approval by the Commission and IDOT, and subject to the issuance of a Supplemental Order by the Commission.

² Company responsible for all future operating and maintenance costs associated with the new automatic warning devices.

Section 6 The City of Granite City is not required to pay any portion of the cost for the proposed improvements.

Section 7 Special Provisions: Since federal funding is being utilized for the warning device improvements at the subject crossing, all such work shall be covered by appropriate provisions of Title 23, Chapter I, Subchapter G, Part 646 of the Federal-Aid Policy Guide adopted Dec. 9, 1991.

Since the warning device improvement at the subject crossing will be performed by railroad crews, no flagging or contractor liability insurance will be required for said work.

The Company shall complete and submit the Project Manager Information portion of the Project Status Report sheet, attached as Exhibit 1, along with this executed Agreement.

The Company shall, within six (6) months from the date of the Commission Order approving this Agreement, submit to the Director of Processing and Information, Transportation Bureau of the Commission, a Project Status Report, attached as Exhibit 1, regarding the progress it has made toward completion of the work required by this Agreement. The Project Status Report shall include the Commission Order's docket number, the Order date, the project completion date as noted in the Order, crossing information (inventory number and railroad milepost), type of improvement, and the name, title, mailing address, phone number, facsimile number, and electronic mailing address of the Company Project Manager.

All bills for work specified in Section 2 of this Agreement authorized for reimbursement from the Grade Crossing Protection Fund shall be submitted to the Fiscal Control Unit, Bureau of Local Roads and Streets, Illinois Department of Transportation, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The Department shall send a copy of all invoices to the Director of Processing and Information, Transportation Bureau of the Commission. All bills shall be submitted no later than twelve (12) months from the completion date specified in the Commission Order approving this Agreement. The final bill for expenditures shall be clearly marked "Final Bill". The Department shall not obligate any assistance from the Grade Crossing Protection Fund for the cost of proposed improvements described in this Agreement without prior approval by the Commission. The Commission shall, at the end of the 12th month from the completion date specified in the Commission Order approving this Agreement, or any Supplemental Order(s) issued for this project, conduct a review to determine if any unused assistance from the Grade Crossing Protection Fund should be de-obligated. Upon completion of the review, the Commission shall notify the Department to de-obligate all residual funds accountable for installation costs for this project. Notification may be by regular mail, electronic mail, fax, or phone.

Section 8 Billing: For all work specified in Section 2 of this Agreement, and authorized by an Order of the Commission, the Company shall assure that sufficient documentation for all bills is made available for review by the Department or the Department's representative. The minimum documentation that must be made available is outlined below:

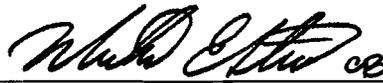
- a) Labor Charges (including additives) - Copies of employee work hours charged to the railroad account code for the project.
- b) Equipment Rental - Copies of rental agreements for the equipment used, including the rental rate; number of hours the equipment was used and the railroad account code for the project.
- c) Material - An itemized list of all materials purchased and installed at the crossing location. If materials purchased are installed at multiple crossing locations, a notation must be made to identify the crossing location.
- d) Engineering - Copies of employee work hours charged to the railroad account code for the project.
- e) Supervision - Copies of employee work hours charged to the railroad account code for the project.
- f) Incidental Charges - An itemized list of all incidental charges along with a written explanation of those charges.

- g) Service Dates - Invoice shall include the beginning and ending date of the work accomplished for the invoice.
- h) Final or Progressive - Each invoice shall be marked as a Progressive or a Final Invoice.
- i) Reference Numbers - Each invoice shall include the AAR/DOT number, the ICC Order number and the state job number when federal funds are involved.
- j) Locations - Each invoice shall show the location, with the street name and AAR/DOT crossing inventory number.

Section 9 This Agreement shall be binding upon the parties hereto, their successors or assigns. Upon execution of this Agreement by all parties, the Commission shall enter an appropriate Order, within 60 days accepting or rejecting such stipulation according to the provisions contained herein.

In Witness Whereof, the parties have caused this Agreement to be executed by their duly authorized officers, as of the dates indicated on their respective Execution Pages, attached hereto.

Executed by the Commission this 24th day of June, 2008.



Michael E. Stead
Rail Safety Program Administrator

Attest:



John J. Blair
Asst. Rail Safety Program Administrator

Illinois Commerce Commission Stipulated Agreement No. 1335, executed by Commission Staff on June 24, 2008, concerning improvements at the Pontoon Road highway-rail grade crossing of The Alton & Southern Railway Company tracks in Granite City, Madison County, Illinois, designated as crossing AAR/DOT 846 969A, milepost 18.6-ML.

Executed by the City of Granite City this 1 day of July 2008.

CITY OF GRANITE CITY

By: 

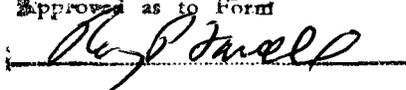
Attest:

 / P.P.

Illinois Commerce Commission Stipulated Agreement No. 1335, executed by Commission Staff on June 24, 2008, concerning improvements at the Pontoon Road highway-rail grade crossing of The Alton & Southern Railway Company's tracks in Granite City, Madison County, Illinois, designated as crossing AAR/DOT 846 969A, milepost 18.6-ML.

Executed by the Company this 31ST day of July 2008.

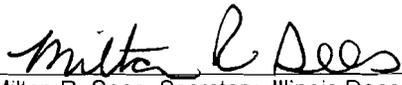
THE ALTON & SOUTHERN RAILWAY
COMPANY

By: 
VP Engineering - OP
DAVID A. CONNELL
Approved as to Form


Attest:



Local Agency	Granite City
Route	Pontoon Rd. at-grade railroad crossing
Section Number	08-00181-08-SP
Project Number	RRP-5011(244)
Job Number	C-98-305-08
ICC Stip. Agmt.	# 1335



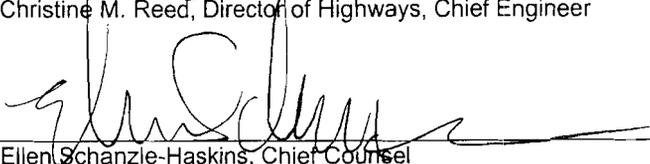
Milton R. Sees, Secretary, Illinois Department of Transportation

8/29/08
 Date



Christine M. Reed, Director of Highways, Chief Engineer

8/29/08
 Date



Ellen Schanzle-Haskins, Chief Counsel

8-23-08
 Date



Ann Schneider, Director of Finance & Administration

8/29/08
 Date

**ILLINOIS COMMERCE COMMISSION
TRANSPORTATION DIVISION / RAIL SAFETY SECTION**

PROJECT STATUS REPORT:

TYPE: (CHECK ONE)

PROGRESS	<input type="checkbox"/>
COMPLETION*	<input type="checkbox"/>

DATE	9-8-08
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PROJECT INFORMATION:

Reporting Party:	Union Pacific Railroad Company
Docket/Order #; Date:	708-0126
Status Reports Due:	
Ordered Completion Date:	
Completion Report Due ¹ :	
AAR/DOT#, Milepost:	846 969A, railroad milepost 18.60 - ML
Street, (in/near) City, County:	Pontoon Road, in Granite City, Madison County, Illinois.
Railroad Company:	Union Pacific Railroad Company (Alton & Southern RR)

¹Completion reports involving changes to the railroad crossing must include an updated USDOT Inventory Form.

PROJECT MANAGER INFORMATION²:

Name:	D.W. McKernan
Title:	Manager Industry and Public Projects
Representing:	Union Pacific Railroad
Street Address:	100 North Broadway, Suite 1500
City, State, Zip:	St. Louis, MO 63102
Office Phone:	314-331-0682
Office Fax:	402-501-2520
Cellular Phone:	
E-Mail Address:	dwmckern@up.com

²Project Manager information to be submitted by Union Pacific Railroad Company

DESCRIPTION OF IMPROVEMENT(S) ORDERED:

- ▶ Install new LED automatic flashing light signals/sidelights with gates controlled by constant warning time circuitry and relocate existing cantilever signals.

STATUS OF WORK:

**ILLINOIS COMMERCE COMMISSION
TRANSPORTATION DIVISION / RAIL SAFETY SECTION**

Mail directed to the **Rail Safety Section** or the **Director of Processing and Information**, Transportation Bureau of the Commission should be addressed to:

The Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701-1827

If you have questions contact:

Brian Vercruysse, Rail Safety Specialist
Phone: (630) 424-8750
Email: bvercruy@icc.illinois.gov

A **Form 3** can be obtained from the Illinois Commerce Commission by calling 217/782-7660 or on the web at:

<http://www.icc.illinois.gov/rr/library.aspx>

The billing address for **Grade Crossing Protection Fund** reimbursement is:

SIGNAL WORK

Illinois Department of Transportation
Fiscal Control Unit
Bureau of Local Roads and Streets
2300 South Dirksen Parkway
Springfield, Illinois 62764

APPROACH/BRIDGE WORK

IDOT, District ##
Address

United States Department of Transportation Inventory Form #6180.71 can be obtained on the web at:

<http://safetydata.fra.dot.gov/OfficeofSafety/Forms/Default.asp>

Submit Inventory forms to:

Federal Railroad Administration Office of Safety 1120 Vermont Avenue, NW Washington, DC 20590	<u>And</u>	Chief of Data Services Illinois Department of Transportation 2300 S. Dirksen Parkway Springfield, IL 62764
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**ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT
CROSSING DATA FORM**

GENERAL INFORMATION: See Location Sketch

RAILROAD	Alton & Southern Railway Company
USDOT#, MILEPOST	846 969A, MP 18.6
STREET, CITY, COUNTY	Pontoon Road, in Granite City, Madison County
JURISDICTION (RDWY)	Granite City
LOCATION	Residential/Open
STREET SURFACE	Bituminous, FOC 40'-10"; 2- 13' Lanes with 11' Bi-directional turn lane. Good condition

CROSSING DATA: See Location Sketch for roadway profile and track centers

TRACK (W-E or N-S)	SURFACE TYPE	SURFACE WIDTH	SURFACE CONDITION
1N	Rubber Panel	42-foot rubber with 2-8' timber extensions for sidewalk.	Satisfactory

ROADWAY DATA: See Location Sketch

INTERSECTING ROADS:	70' Ruth Drive East; 25' Driveway West
TRAFFIC CONTROL	Stop Sign on Ruth Drive
ADT & SPEED	11,400 vehicles per day at 35 MPH
TRAFFIC TYPE	Passenger, School Bus, and Farming
ADVANCE WARNING	Only Westbound, Eastbound Missing Sign
PAVEMENT MARKING	Yes

RAILROAD DATA: See Location Sketch

FREIGHT TRAFFIC	30 Per day @ 30 MPH max - Day & Night
PASSENGER TRAFFIC	Not Applicable
WARNING DEVICES	AFLS/Cantilevers, Crossbuck Signs and an Audible Bells

NOTES:

VISIBILITY STUDY: See Location Sketch

Train Speed	30	MPH
Roadway Speed	35	MPH
Required Stopping Sight Distance (SSD)		
Along Roadway		FEET
Along Tracks		FEET
Required Clearing Sight Distance (CSD) (Along Tracks)		FEET

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 2001, Fourth Edition.

QUADRANT	CSD (FT)	OBSTRUCTION	SSD (FT)	OBSTRUCTION
NE	*	Not Applicable	*	Not Applicable
NW	*	Not Applicable	*	Not Applicable
SE	*	Not Applicable	*	Not Applicable
SW	*	Not Applicable	*	Not Applicable

*Note: The installation of automatic flashing light signals and gates eliminates the need to satisfy minimum Sight Distance criteria.

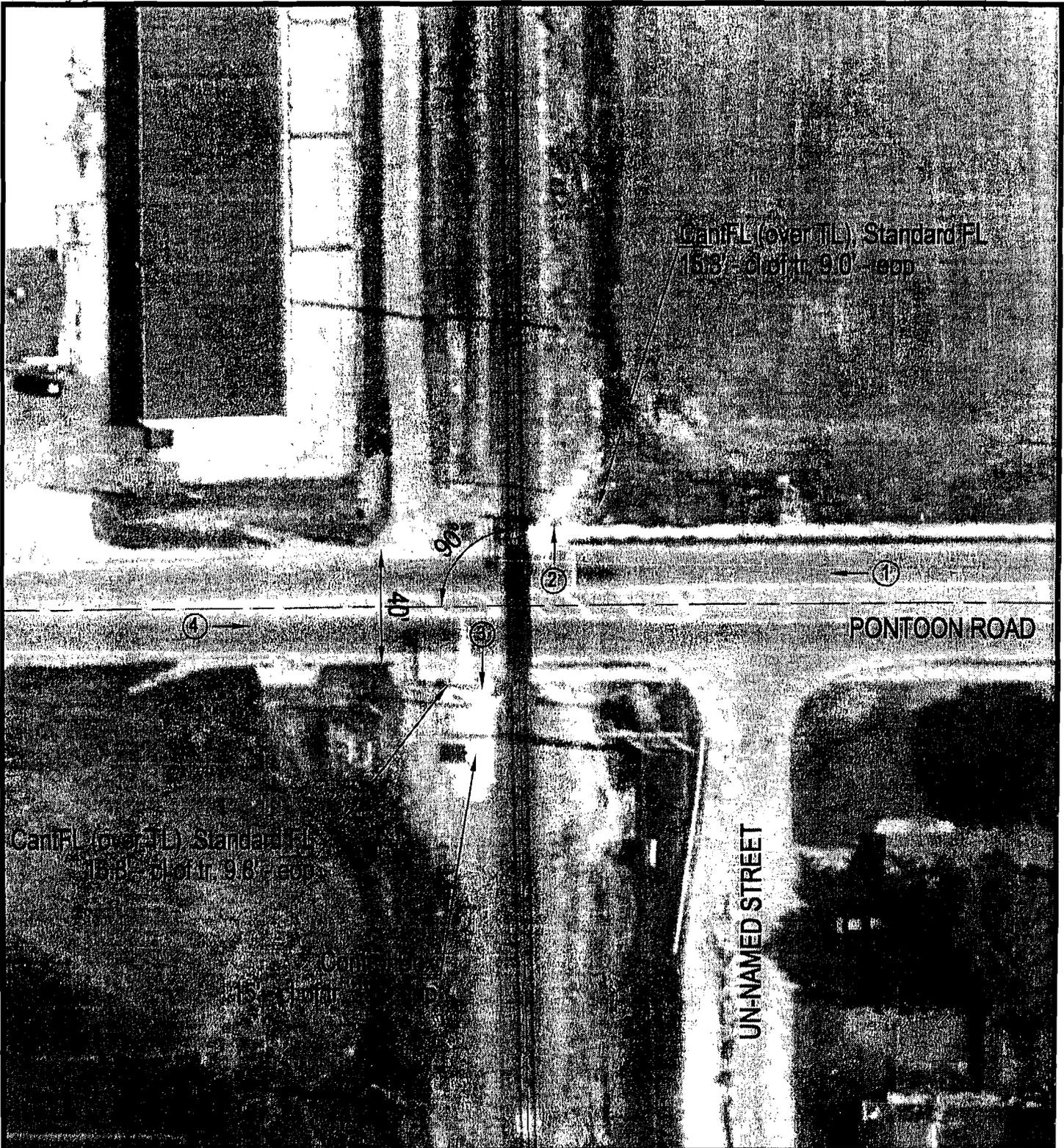
APPROACH GRADES: See Location Sketch, Page 3

DIRECTION: NORTH			DIRECTION: SOUTH		
DISTANCE (FT)	ELEVATION (FT)	GRADE (%)	DISTANCE (FT)	ELEVATION (FT)	GRADE (%)
0	100.0	--	0	100.0	--
25			25		
50			50		
100			100		

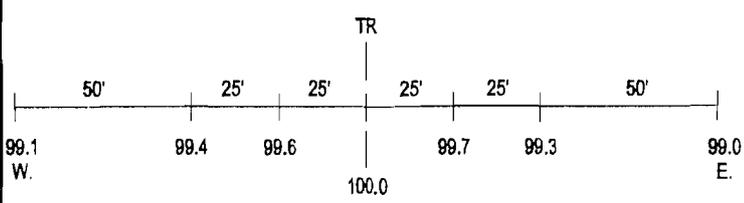
Distance measured from outermost rail.

COMMENTS:

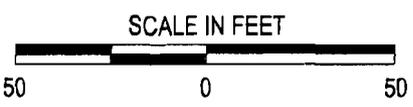
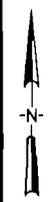
See Page 3 for a Location Sketch (Aerial Photo) of the crossing.



CanFL (over TIL) Standard FL
153 - offset 9.8 - 1999



ROAD PROFILE



③ Photo Location

Crossing #: 846969A
 Location: Madison Co., City of Granite City (I)
 Lat/Long: 38°43'54" / 90°05'24"
 Railroad: ALS
 Street: Pontoon Road
 Railroad Milepost: 18.60
 Crossing Protection: Train Activated Devices

Exhibit B
RECEIVED

JUN 2 2008

Illinois Commerce Commission
RAIL SAFETY SECTION

UNION PACIFIC RAILROAD



100 N. Broadway, Suite 1500
St. Louis, Missouri 63102
(314) 331-0659

May 30, 2008

Crossing: Public
IL Pontoon Beach
Pontoon Road
MP 18.66 A&S Gateway Sub
DOT 846 969A

Illinois Commerce Commission
Mr. John Blair
Asst. Rail Safety Program Admin.
527 East Capitol Ave.
Springfield, IL 62701

Dear Mr. Blair:

Enclosed herewith are copies of the signal material force account estimates, material stock plans, and signal design front sheet for improvements for the referenced project location.

Please arrange for a Stipulated Agreement granting the improvements for the referenced project location.

Sincerely,

John Freise
Public Projects Coordinator

Cc: Operating File
Encl.

DATE: 2008-05-23

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

THIS ESTIMATE GOOD FOR 6 MONTHS EXPIRATION DATE IS :2008-11-21

DESCRIPTION OF WORK:

INSTALL AUTOMATIC FLASHING LIGHT CROSSING SIGNALS
WITH GATES AND RELOCATE CANTILEVERS AT PONTOON BEACH, IL.
PONTOON RD. M.P. 18.66 ON THE ALTON & SOUTHERN GATEWAY SUB
DOT 846 969A
WORK TO BE PERFORMED BY ALTON & SOUTHERN SIGNAL DEPT.
WITH EXPENSE AS BELOW:
SIGNAL - FEDERAL/STATE - 100%

PID: 60834 AWO: 86936 MP,SUBDIV: 18.66, ALTONSOUTH
SERVICE UNIT: 24 CITY: PONTOON BEACH STATE: IL

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
ENGINEERING WORK							
ENGINEERING			4593		4593		4593
LABOR ADDITIVE 105.61%			9885		9885		9885
SIG-HWY XNG			4821		4821		4821
TOTAL ENGINEERING			19299		19299		19299
SIGNAL WORK							
BILL PREP			900		900		900
CONTRACT				6548	6548		6548
CONTINGENCIES				24321	24321		23321
LABOR ADDITIVE 105.61%			52094		52094		52094
MATL STORE EXPENSE				7	7		7
PERSONAL EXPENSES				28500	28500		28500
ROCK/GRAVEL/FILL				1000	1000		1000
SALES TAX				2619	2619		2619
SIGNAL			49326	65483	114809		114809
TRANSP/IB/OB/RCLW CONTR				11026	11026		11026
WZT CONTROL				6412	6412		6412
TOTAL SIGNAL			102320	145916	248236		248236
TRACK & SURFACE WORK							
ENVIRONMENTAL				1	1		1
TOTAL TRACK & SURFACE				1	1		1
LABOR/MATERIAL EXPENSE			121619	145917			
RECOLLECTIBLE/UPRR EXPENSE					267536	0	
ESTIMATED PROJECT COST							267536

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.

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

PROJ NO: 60834
 A.W.O. NO: 86936
 W.O. NO:
 B.I. NO: 08EN10
 STATE: IL
 VAL SEC: 1101

RAILROAD: UPRR CO.
 LOCATION: PONTOON BEACH, IL, PONTOON ROAD
 DEPARTMENT: ENGINEERING SERVICES

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

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATL \$
02040420	BATTERY,GNB, 50A13, 318 AH.	173.73	6	EA	1042
02040540	BATTERY,GNB, 50A19, 475 AH.	230.17	14	EA	3222
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA	0.02	200	EA	4
09011980	CABLE TIE, NYLON 3 1/2" MAX. DIA	0.12	20	EA	2
09014950	CIRCUIT BRKR,120/240V 20A 2 POLE	14.60	1	EA	15
09015690	CIRCUIT BREAKER, 120/240V 30A AC	5.97	1	EA	6
09054360	RELAY, GEN.PURPOSE 120V. TAB 856	4.67	1	EA	5
09057650	SOCKET,P-B 27E122 TAB 836A & 856	2.07	1	EA	2
09065700	TAPE, ELECTRICAL PLASTIC	2.51	2	RL	5
09066900	TERMINAL, SPADE,10-12 WIRE,#8 STUD	0.15	10	EA	2
09137100	TERM.LUG 3/16 CABLE-1/4 POST 2412	0.55	30	EA	17
09215100	33466 TERMINAL, RING TONGUE AMP	0.19	44	EA	8
09224750	216-107 TERMINAL, FERRULE, FOR #10	0.06	20	EA	1
09224800	216-104 TERMINAL, FERRULE, W	0.02	50	EA	1
09260350	TERMINAL,#16-14 #8 SPADE	0.07	35	EA	2
09261420	321524-1 TERMINAL,TEST 16-22 A	1.61	4	EA	6
09261570	321527-1 TERMINAL, TEST	1.62	15	EA	24
09401140	ADAPTER, 4 INCH CARLON PLASTIC	3.28	2	EA	7
09409820	BUSHING, 4" PLASTIC, INSULATING	0.82	2	EA	2
09424920	CONDUIT, 4", PVC, TYPE 40	2.14	80	LF	171
09467930	LOCKNUT, 4 INCH, GALVANIZED	5.19	2	EA	10
09844170	GROUND ROD, 5/8 INCH X 8 FEET	7.33	11	EA	81
09846750	GRND.ROD CONN. 4WAY ONESHOT.	5.04	11	EA	55
09908640	WIRE,#6 AWG.1 COND.COPPER,SOLID	0.42	275	LF	116
09912200	WIRE #6 AWG 2 CND 500'ROLL SHIELD	1.72	500	LF	860
09913200	WIRE,#6, 5 COND 500'ROLL SHIELDED	3.12	1000	LF	3120
09915610	WIRE #6 AWG 1 COND COPPER, STRAN	0.52	220	LF	114
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.21	2700	LF	567
09932310	WIRE #10 AWG 1 COND COPPER, TWIST	0.46	250	LF	115
09946100	WIRE #14, 7 CND 500' ROLL SHIELDE	1.34	500	LF	670
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.10	300	LF	30
09976180	WIRE,#22,TW.PR. BELDEN #8761	0.11	20	LF	2
13547870	SHEET METAL SCREW, #10 X 1 INCH	3.27	1	BX	3
13552450	SHEET METAL SCREW,#12 X 3/4"	2.09	2	BX	4
13553150	SHEET METAL SCREW #12 X 1"	3.04	2	BX	6
17061400	PADLOCK,SIGNAL,WITHOUT KEY,AMERIC	14.87	8	EA	119
28033210	CARTON, 39 1/8"L X 23 1/4"W X 17	5.48	1	EA	5
28033230	CARTON, 47 3/8"L X 39 1/2"W X 18"	11.07	1	EA	11
28041880	PALLET, 48 X 40 INCH 2/WAY	8.24	2	EA	16
35040020	PLASTER OF PARIS, #DAP 10308	2.79	4	BX	11

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

RAILROAD: UPRR CO.
 LOCATION: PONTOON BEACH, IL, PONTOON ROAD
 DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 60834
 A.W.O. NO: 86936
 W.O. NO:
 B.I. NO: 08EN10
 STATE: IL
 VAL SEC: 1101

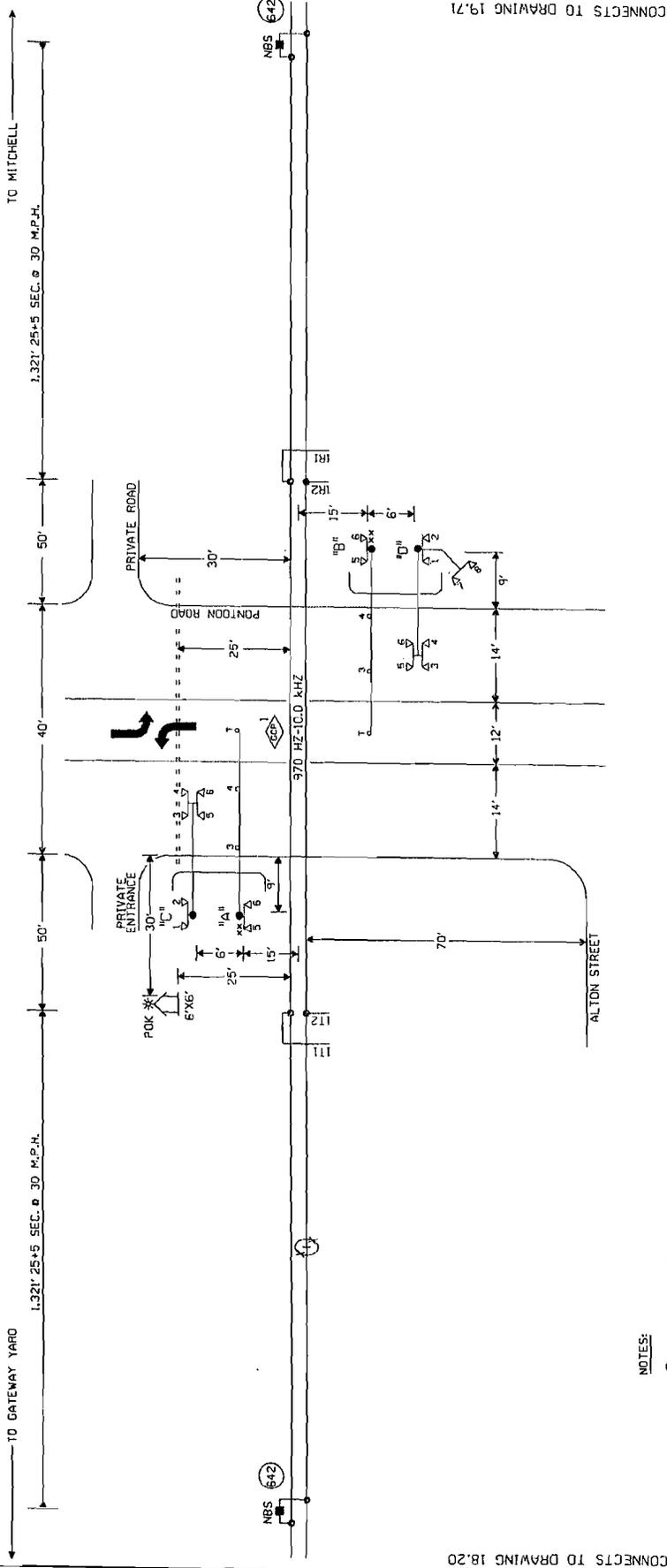
39340220	SIGN, HIGHWAY CROSSING	50.00	2 EA	100
52001370	SURGE PROTECTOR SP20-2A TAB 585	71.61	2 EA	143
52003630	POWER CABLE, CABIN TO GENERATOR -	148.20	1 EA	148
52005700	BOND WIRE, 7 STRANDS 100 LF. ROLL	0.76	200 LF	152
52016830	WIRE DUCT, 2X3	8.44	11 EA	93
52016940	WIRE DUCT, 3X3	9.82	1 EA	10
52017510	WIRE DUCT COVER 2"X6'	1.84	11 EA	20
52017620	WIRE DUCT COVER 3"X6'	2.71	1 EA	3
52019530	ENCLOSURE, SHUNT, POLE MOUNTED. 24X2	168.43	2 EA	337
52019560	EQUALIZER, H.D. TAB 583	9.11	13 EA	118
52019720	FOUNDATION, CANT, PRECAST 4 BOLT	2804.88	2 EA	5610
52021550	FOUNDATION, 4', STEEL, FOR FL SHR/GAT	321.16	2 EA	642
52025240	HOUSE, 6X6, SIGNAL KING	5272.78	1 EA	5273
52027350	CLIP BOARD - FOR SIGNAL PRINTS	8.02	1 EA	8
52027430	STEP BOX	16.25	1 EA	16
52028420	LIGHTNING ARRESTOR, CLR-COMM TAB 3	6.86	28 EA	192
52029780	LIGHTNING ARR, HD TAB 582 W/O BASE	9.79	4 EA	39
52030010	LIGHTNING ARRESTOR CONN. STRIP	3.93	4 EA	16
52039210	RECTIFIER, 20EC, 12V. TAB 575	273.99	1 EA	274
52041430	RECTIFIER, 60EC. 60 AMP. CRAGG.	550.00	1 EA	550
52042650	POST, MOUNTING, FOR SHUNT HOUSING	16.19	4 EA	65
52068650	TERMINAL, #6 - 5 WIRE - RING TYPE	0.16	55 EA	9
52070010	TERMINAL, #12-10 WIRE, RING TONGUE	0.13	450 EA	59
52071600	TERMINAL, #20-16 WIRE, RING TONGUE	0.07	150 EA	11
52072280	TERMINAL BLOCK, SIGNAL 2 POST BAK	3.74	27 EA	101
52072740	TERMINAL BLOCK, SIGNAL 12 POST 6	15.82	1 EA	16
52072960	TERMINAL BLOCK, SIGNAL 12 POST	12.70	12 EA	152
52074550	TEST LINK, INSULATED ASSEMBLY TAB	0.80	22 EA	18
52074660	SWITCH, MCKEEN TAB 82	13.90	1 EA	14
52079550	WIRE TAG, PLASTIC - WHITE	0.13	100 EA	13
52079560	MARKING PEN (FOR WHITE TAG)	1.95	1 EA	2
52108160	LED FL/GATE ASSY. 1W BACK ONLY	6594.76	2 EA	13190
52109370	GATE ARM, ADJ. 16-32'	471.18	2 EA	942
52122140	HIGH WIND BRACKET 5" OR 4"	63.99	2 EA	128
52123700	FLASHING LIGHT UNIT, 12" LED COMP	365.62	14 EA	5119
52136470	SHEAR PIN, SK-1000-1	5.50	2 EA	11
52137530	GUARD RAIL, LATERAL FOR CANT & GATE	578.52	2 EA	1157
52207100	GRDXNG PRDTR GCP4000 2TK. MAX W/SE	15626.96	1 EA	15627
52258850	NBS, TAB 642, 62775-3497	325.52	2 EA	651
52263600	SURGE ARRESTOR, METER LOOP.	28.46	1 EA	28
52264040	SURGE PANEL - TAB 618	190.72	1 EA	191
52276150	SS XING CONTROLLER MODULE FOR GCP	1650.40	2 EA	3301
53648010	INSULATING CAP & SHIELD ASSY.	2.22	4 EA	9
53903460	EPD 120/240TDFL SURGE PROTECTOR	268.16	1 EA	268
53954500	180429-000 BOOTLEG KIT	49.33	4 EA	197

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

RAILROAD: UPRR CO.
LOCATION: PONTOON BEACH, IL, PONTOON ROAD
DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 60834
A.W.O. NO: 86936
W.O. NO:
B.I. NO: 08EN10
STATE: IL
VAL SEC: 1101

TOTAL 65,482



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. LENGTHS SHOULD NOT EXCEED MANUFACTURER'S RECOMMENDATION.
- ALL SIGNALS 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 #6 AWG FLEX OR LARGER.
- ALL WIRING IN GATE MECHANISM TO BE #10 AWG FLEX.
- REFER TO UP STANDARD OMG FOR BUNGALOW GROUNDING.
- ALL LIGHTS TO BE 12" ROUNDELS.
- ===== 4" X 60' CONDUIT

LIGHTS: LED LIGHTS

GATE A-29;
GATE B-23;
CANT C-15;
CANT D-16; ----- EXISTING
XX = BELL

⌈ = GUARD RAILS

(M) = (E) IN

CONSTRUCTION NOTES:

1. REUSE AND RELOCATE EXISTING CANTILEVERS 'C' AND 'D'.
2. ALLOCATE MONEY FOR REMOVING EXISTING CANTILEVER FOUNDATIONS AND PLACEMENT OF NEW CANTILEVER FOUNDATIONS.
3. REPLACE ALL LIGHTS ON CANTILEVERS 'C' AND 'D' WITH LED'S.
4. REMOVE EXISTING HARD WIRE SHUNTS.

---X--- = CUT

NEW SHEET
PONTON BEACH, ILLINOIS
M.P. 18.66
ALTON & SOUTHERN GATEWAY SUBDIVISION
D.O.T. #846 969A

UNION PACIFIC RAILROAD		DES: CTC	DATE 01-30-08
PONTON BEACH, ILLINOIS		DIG: CTC	SHEET 1
HIGHWAY CROSSING SIGNALS		CHK: JTB	DWG 18.66
CONTROL CIRCUITS		A.F.E. 66936	S-3202
UNION PACIFIC RAILROAD		ID: 32021866LX	DATE 01-30-08
PONTON BEACH, ILLINOIS		DESIGNED BY: JTB	DWG 18.66
HIGHWAY CROSSING SIGNALS		DATE: 01-16-08	S-3202
CONTROL CIRCUITS		BY: JTB	
UNION PACIFIC RAILROAD		DATE: 01-16-08	
PONTON BEACH, ILLINOIS		DATE: 01-16-08	
HIGHWAY CROSSING SIGNALS		DATE: 01-16-08	
CONTROL CIRCUITS		DATE: 01-16-08	