

STATE OF ILLINOIS

704-0074

ILLINOIS COMMERCE COMMISSION

STIPULATED AGREEMENT NO. 1067

This agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission ("COMMISSION"), the Union Pacific Railroad Company ("COMPANY"), the Township of Sullivan of Moultrie County ("TOWNSHIP"), and the State of Illinois, Department of Transportation ("DEPARTMENT").

**WITNESSETH:**

WHEREAS, it has come to the attention of the COMMISSION through formal correspondence that inquiry should be made into the matter of improving public safety at the Township Road ("TR") 112 highway-rail grade crossing of the COMPANY'S track located near the City of Sullivan in Sullivan Township ("TOWNSHIP"), Moultrie County, Illinois, designated as crossing **AAR/DOT167 262V, milepost 174.80CC**; and

WHEREAS, proper investigation has been made of the circumstances surrounding the aforesaid crossing by a representative of the COMMISSION'S Transportation Division 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 the Agreement; and

WHEREAS, the parties are mutually agreeable to accomplish the proposed improvements upon a 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 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 statewide traveling public the Grade Crossing Protection Fund of the Motor Fuel Tax Law 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 proper improvements in the interest of public safety at the aforesaid crossing should be:

- (a) the installation of automatic flashing light signals and gates controlled by constant warning time circuitry in lieu of the existing automatic flashing light signals.
- (b) the reconstruction of the highway surface and the minor adjustment to the highway approaches at the TR 112 crossing.
- (c) the installation of temporary STOP signs (if ordered) at the TR 112 crossing within 30 days of the receipt of a Commission Order for the installation of new automatic warning devices.

Section 3 The COMPANY and TOWNSHIP have prepared preliminary estimates of cost to accomplish the proposed improvements, which they may be required to perform. Said estimates are attached as Exhibits B and C. The COMPANY and TOWNSHIP shall upon Order, according to the requirements contained therein, prepare detailed drawings, detailed circuit plans, estimates of cost and any required specifications for the proposed improvements for the approval of the COMMISSION and DEPARTMENT.

Section 4 The COMPANY and TOWNSHIP 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 submission of plans should be sixty (60) days and for the completion of the proposed improvements should be twelve (12) months, from the date of COMMISSION Order subsequent to this Agreement.

Section 5 The parties hereto agree that an equitable division of cost for the proposed improvements should be:

Improvement	Estimated Cost	GCPF	COMPANY	TOWNSHIP
Install AFLS and gates with CWT circuitry	\$195,948	\$186,151 <sup>1</sup> 95%	\$9,797 <sup>2</sup> 5%	--
Reconstruct roadway and readjust west highway approach	\$5,000	--	--	\$5,000 <sup>3</sup> 100%
Install stop sign (if ordered)	No Estimate	--	100% <sup>2</sup>	--
Totals	\$200,948	\$186,151 <sup>1</sup>	\$9,797	\$5,000 <sup>3</sup>

Notes:

<sup>1</sup> Total assistance from the Fund shall not exceed \$186,151. Any costs above the estimated amount relating to the installation of the automatic warning devices shall be divided between the parties in the same

percentage noted above.

<sup>2</sup> The amount paid by the COMPANY toward the warning device installation shall not exceed \$9,797. All future maintenance and operating costs of the warning devices and all costs for the installation and maintenance of the temporary STOP signs (if ordered) shall be borne by the COMPANY.

<sup>3</sup> The TOWNSHIP shall pay all roadway improvement costs, as well as all future maintenance costs for the highway approaches.

Section 6 The TOWNSHIP is financially able and willing to bear an equitable portion of the cost for the proposed improvements as may be assigned by the Order and indicates this intent by Resolution attached as Exhibit D.

Section 7 The COUNTY is the agent for the TOWNSHIP and will perform the duties assigned to the TOWNSHIP.

Special Provisions: Since the warning device improvement at the subject crossing will be performed by railroad crews, flagging or contractor liability insurance will not be required for said work.

Since the roadway improvement near the subject crossing will be performed by the TOWNSHIP or its contractor, flagging or contractor liability insurance might be required for such work.

The COMPANY and TOWNSHIP shall, at six (6) month intervals from the date of COMMISSION Order subsequent to this Agreement, submit to the Director of Processing and Information, Transportation Bureau of the COMMISSION, a written report stating the progress it has made toward completion of the work herein required. Each progress report shall include the COMMISSION Order 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 and TOWNSHIP employee responsible for management of their portion of the project.

All bills for expenditures authorized reimbursed from the Grade Crossing Protection Fund shall be submitted to the Fiscal Control Unit of the Illinois Department of Transportation's Bureau of Local Roads and Streets, Illinois Department of Transportation, Central Bureau of Local Roads and Streets, Room 205, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The DEPARTMENT shall send a copy of all such bills received to the Director of Processing and Information, Transportation Bureau of the COMMISSION. The final bill for expenditures from each party shall be clearly marked "Final Bill". All bills shall be submitted no later than twenty-four (24) months from the date of COMMISSION Order subsequent to this Agreement. The DEPARTMENT shall, at the end of the 24<sup>th</sup> month from the COMMISSION Order date, de-obligate all residual funds

accountable for installation cost for this project.

Public Act 93-0604, effective 21,2003, amends 18c-7401 (Safety Requirements for Track, Facilities, and Equipment) of the Illinois Commercial Transportation Law to include the following language: If the COMMISSION has ordered the installation of luminous flashing signal or crossing gate devices at a grade crossing, the COMMISSION shall order the installation of temporary STOP signs at the highway intersection with the grade crossing. The temporary STOP signs shall remain in place until the luminous flashing light signal or crossing gate devices have been installed. The rail carrier is responsible for the cost of the installation and subsequent maintenance of any required temporary STOP signs.

The COMPANY shall furnish a written statement with the Director of Processing and Information, of the COMMISSION'S Transportation Bureau, indicating that the temporary STOP signs have been installed at the subject crossings, if ordered.

Section 8 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 herein.

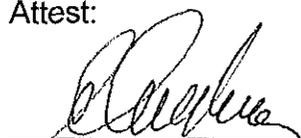
Executed by the Commission this 30<sup>th</sup> day of April, 2004.



---

Michael E. Stead  
Rail Safety Program Administrator

Attest:



---

Robert S. Berry  
Railroad Safety Specialist

Illinois Commerce Commission Stipulated Agreement No. 1067 concerning improvements at the crossing of the track of the Union Pacific Railroad Company with TR 112 located in Sullivan Township near the City of Sullivan, Moultrie County, Illinois, designated as crossing AAR/DOT 167 262V, milepost 174.80 CC.

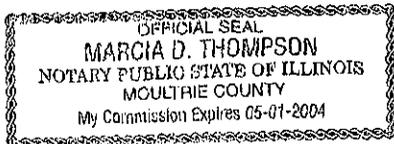
Executed by the County of Moultrie this 19 day of February, 2004

THE COUNTY OF MOULTRIE

By: *Timothy E. Welch*

Attest:

*Marcia D. Thompson*



Illinois Commerce Commission Stipulated Agreement No. 1067 concerning improvements at the crossing of the track of the Union Pacific Railroad Company with TR 112 located in Sullivan Township near the City of Sullivan, Moultrie County, Illinois, designated as crossing AAR/DOT 167 262V, milepost 174.80 CC.

Executed by the Department this 10th day of June, 2007~~4~~

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

By: Victor A. Modler  
Director of Highways

Illinois Commerce Commission Stipulated Agreement No. 1067 concerning improvements at the crossing of the track of the Union Pacific Railroad Company with TR 112 located in Sullivan Township near the City of Sullivan, Moultrie County, Illinois, designated as crossing AAR/DOT 167 262V, milepost 174.80 CC.

Executed by the Company this 18 day of Sept, 2005.

UNION PACIFIC RAILROAD COMPANY

By: Thomas J. Osee  
CHIEF ENGINEER

Attest:

C.W. Saylor

Approved as to form:

Lawrence E. Vanecko  
Assistant Vice President

**MOULTRIE COUNTY  
HIGHWAY DEPARTMENT  
10 S MAIN, COURTHOUSE  
SULLIVAN, IL 61951**

**DOUG DELONG  
COUNTY ENGINEER**

**TELEPHONE  
217-728-4142**

January 14, 2004

Attn: Bob Berry  
Illinois Commerce Commission  
527 E. Capitol, P.O. Box 19280  
Springfield, IL 62794-9280

Subject: TR 112 Worth Street Crossing Improvement

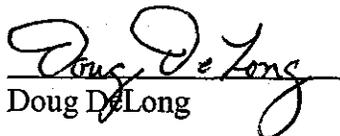
Dear Mr. Berry

I am responding to the request to determine the work that Sullivan Township will perform to improve the approaches to the Union Pacific crossing north of Sullivan on Worth Street Crossing # 167 262V, Mile Post 174.80 on TR 112.

Sullivan Township has upgraded the approach on the south side of the crossing by tilling the existing pavement followed by grading, laying bituminous asphalt patch, rolling, and applying an oil and chip sealer. The enclosed photo shows the condition and view of the improved approach. The north side shall also be improved using the same method of upgrade and is scheduled to be performed this summer. The approximate cost for making this improvement is \$5,000.00 for each side of the crossing. A photo is enclosed showing the rutting and poor condition of the approach on the north side. Sullivan Township is not planning to upgrade the approaches inside the Union Pacific Railroad track right-of-way.

I have enclosed a simple existing profile of the approach grades. No major grade improvement will be needed at this crossing. If you have any questions, please do not hesitate to call

Sincerely

  
Doug DeLong

I Concur

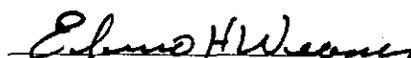
  
Elmo Weaver

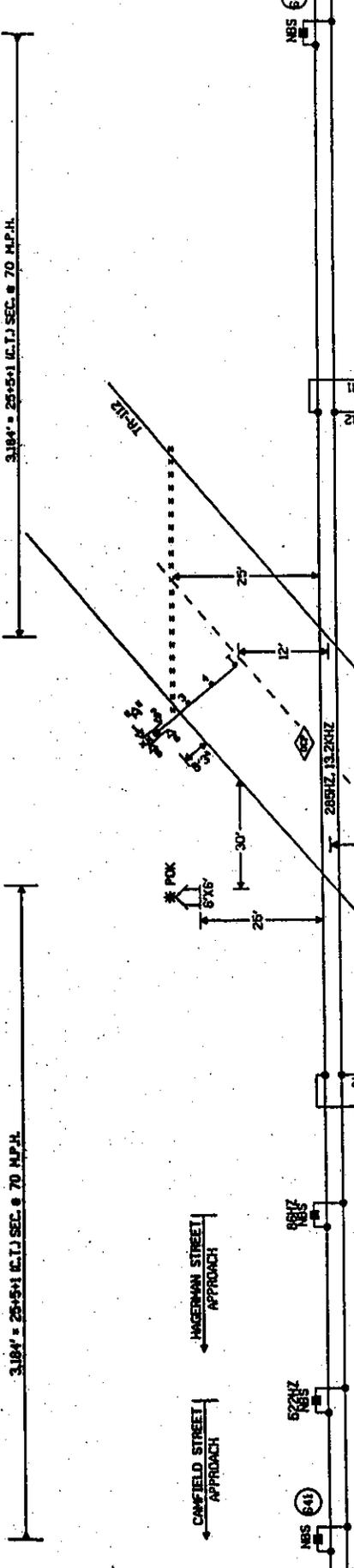
Exhibit C, page 1

TO LENOX

TO VILLA GROVE

3.184' = 25+5+1 C.T.J. SEC. @ 70 M.P.H.

3.184' = 25+5+1 C.T.J. SEC. @ 70 M.P.H.



CONNECTS TO DRAWING 175.50

CONNECTS TO DRAWING 1734-35

Exhibit B, page 5

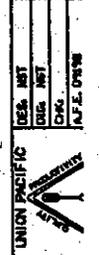
NOTES:

- ⊗ 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 LEADINGS SHOULD NOT EXCEED MANUFACTURERS 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 #6 AWG FLEX OR LARGER.
- ALL WIRING IN GATE MECHANISM TO BE #10 AWG FLEX. REFER TO UP STANDARD DWG FOR BUNGALOW GROUNDING.
- DO NOT USE 7 CELLS OF B12 BATTERY UNLESS REQUIRED TO MAINTAIN MINIMUM LAMP VOLTAGE.
- ALL LIGHTS TO BE 12" ROUNDELS.
- \*\*\*\*\* 4" X 30" CONDUIT
- LIGHTS: LED LIGHTS
- GATE A: 18"
- GATE B: 18"
- CRTU CELLEMETRY
- xx = BELL



NEW SHEET  
 SULLIVAN, ILLINOIS  
 TR-117  
 MP-174.80  
 PANIA SUBDIVISION  
 D.O.T. #157 252V

UNION PACIFIC RAILROAD  
 VILLA GROVE, ILLINOIS TO  
 LENOX, MISSOURI  
 CITY & COUNTY



09-28-00  
 INSTL. FLAGGERS  
 W/CHT. CIRCUITRY  
 AT M.P. 174.80

DES. INT  
 CHG. INT  
 CHG. INT  
 CHG. INT

DATE 09-28-00  
 SHEET 1  
 DWG 174.80

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

## DESCRIPTION OF WORK:

REMOVE EXISTING FLASHERS & CABIN, INSTALL LED FL SIGNALS W/GATES, CMT  
CIRCUITRY, AND NEW CABIN AT TR-112 IN SULLIVAN, IL. M.P. 174.80

SIGNAL PROJECT MANAGER: BOB THOMPSON 245-2507

RAILROAD TO PERFORM ALL WORK / COST DISTRIBUTED AS FOLLOWS:

SIGNAL - STATE OF ILLINOIS 954 - UPRR 54

PID: 44713 AWO: 09198 MP,SUBDIV: 174.80, PANA  
SERVICE UNIT: 04 CITY: SULLIVAN STATE: IL

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
<b>ENGINEERING WORK</b>							
ENGINEERING			1210		1149	61	1210
LABOR ADDITIVE 177.684			9639		9157	482	9639
SIG-HWY XNG			4215		4004	211	4215
<b>TOTAL ENGINEERING</b>			<b>15064</b>		<b>14310</b>	<b>754</b>	<b>15064</b>
<b>SIGNAL WORK</b>							
BILL PREP			900		855	45	900
CONTRACT				5266	5002	264	5266
EARTH FILL/ROCK				1000	950	50	1000
FOREIGN LINE FREIGHT				1053	1000	53	1053
LABOR ADDITIVE 177.684			36893		35048	1845	36893
MATL STORE EXPENSE				2633	2501	132	2633
PERSONAL EXPENSES				15750	14962	788	15750
SALES TAX				3291	3127	164	3291
SIGNAL			20763	52666	69758	3671	73429
CONTINGENCIES					16922	891	17813
TRANSPORTATION CHARGES				1788	1698	90	1788
HZ TRAFFIC CONTROL				5000	4750	250	5000
<b>TOTAL SIGNAL</b>			<b>58556</b>	<b>88447</b>	<b>156573</b>	<b>8243</b>	<b>164816</b>
<b>TRACK &amp; SURFACE WORK</b>							
LABOR ADDITIVE 177.684			7883		7489	394	7883
PERSONAL EXPENSES				3750	3750		3750
SIG-HWY XNG			4435		4214	221	4435
<b>TOTAL TRACK &amp; SURFACE</b>			<b>12318</b>	<b>3750</b>	<b>15453</b>	<b>615</b>	<b>16068</b>
<b>LABOR/MATERIAL EXPENSE</b>			<b>85938</b>	<b>92197</b>			
<b>RECOLLECTIBLE/UPRR EXPENSE</b>					<b>186336</b>	<b>9612</b>	
<b>ESTIMATED PROJECT COST</b>							<b>195948</b>
EXISTING REUSEABLE MATERIAL CREDIT					0		
SALVAGE NONUSEABLE MATERIAL CREDIT					0		
<b>RECOLLECTIBLE LESS CREDITS</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.

## WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 05-11-04  
EST COMP: 12-31-04PROJ NO: 44713  
A.W.O. NO: 09198  
W.O. NO:  
B.I. NO: 02EN10  
STATE: IL  
VAL SEC: 1117RAILROAD: UPRR CO.  
LOCATION: SULLIVAN, IL, TR-112, PANA  
DEPARTMENT: ENGINEERING SERVICES

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

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATL \$
02040420	BATTERY, GNB, 75A9 OR 50A13	172.81	6	EA	1037
02040660	BATTERY, GNB, 75A23 OR 50A27	305.05	7	EA	2135
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA	0.02	200	EA	4
09011980	CABLE TIE, NYLON 3 1/2" MAX. DIA	0.14	20	EA	3
09014950	CIRCUIT BRKR, 120/240V 20A 2 POLE	14.65	1	EA	15
09015690	CIRCUIT BREAKER, 120/240V 30A AC	5.90	1	EA	6
09054300	RRLAY, TAB 869 KRPI11DN12V. SW.HTR.	6.42	1	EA	6
09054360	RRLAY, GEN.PURPOSE 120V. TAB 856	6.10	1	EA	6
09057650	SOCKET, P-B 27E122 TAB 836A & 856	2.00	2	EA	4
09065700	TAPE, ELECTRICAL PLASTIC	1.96	2	RL	4
09066900	TERMINAL, SPADE, 10-12 WIRE, #8 STUD	0.12	10	EA	1
09137100	TERM. LUG 3/16 CABLE-1/4 POST 2412	0.50	30	EA	15
09215100	33466 TERMINAL, RING TONGUE AMP	0.19	24	EA	5
09260350	TERMINAL, #16-14 #8 SPADE	0.06	35	EA	2
09261420	321524-1 TERMINAL, TEST 16-22 A	1.62	4	EA	6
09261570	321527-1 TERMINAL, TEST	1.53	15	EA	23
09401140	ADAPTER, 4 INCH CARLON PLASTIC	2.11	2	EA	4
09409820	BUSHING, 4" PLASTIC, INSULATING	0.76	2	EA	2
09424920	CONDUIT, 4", PVC, TYPE 40	1.33	50	LF	67
09467930	LOCKNUT, 4 INCH, GALVANIZED	3.62	2	EA	7
09602970	LAMP, HALOGEN, 10V, 25W	3.80	7	EA	27
09844170	GROUND ROD, 5/8 INCH X 8 FEET	4.36	9	EA	39
09846750	GRND. ROD CONN. 4WAY ONESHOT.	4.59	9	EA	41
09908640	WIRE, #6 AWG. 1 COND. COPPER, SOLID	0.11	225	LF	25
09912200	WIRE #6 AWG 2 COND 500' ROLL SHIELD	1.16	500	LF	580
09913200	WIRE, #6, 5 COND 500' ROLL SHIELDED	1.95	250	LF	488
09915610	WIRE #6 AWG 1 COND COPPER, STRAN	0.36	175	LF	63
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.14	900	LF	126
09932310	WIRE #10 AWG 1 COND COPPER, TWIST	0.31	170	LF	53
09946100	WIRE #14, 7 COND 500' ROLL SHIELDE	1.01	250	LF	253
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.08	500	LF	40
13060230	TOGGLE, SPRING WING 3/8	0.43	3	EA	1
13547870	SHEET METAL SCREW, #10 X 1 INCH	0.50	1	EX	1
13552450	SHEET METAL SCREW, #12 X 3/4"	1.98	2	EX	4
13553150	SHEET METAL SCREW #12 X 1"	2.97	1	EX	3
17061400	PADLOCK, SIGNAL, WITHOUT KEY, AMERIC	12.85	6	EA	77
28033210	CARTON, 39 1/8"L X 23 1/4"W X 17	2.89	1	EA	3
28033230	CARTON, 47 3/8"L X 39 1/2"W X 18"	7.07	1	EA	7
28041880	PALLET, 48 X 40 INCH 2/WAY	8.03	2	EA	16
35040010	PLASTER OF PARIS, DENTAL GRADE	1.02	25	LB	26

## WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 05-11-04  
EST COMP: 12-31-04

PROJ NO: 44713  
A.W.O. NO: 09198  
W.O. NO:  
B.I. NO: 028N10  
STATE: IL  
VAL SEC: 1117

RAILROAD: UPRR CO.  
LOCATION: SULLIVAN, IL, TR-112, PANA  
DEPARTMENT: ENGINEERING SERVICES

39340220	SIGN, HIGHWAY CROSSING	50.00	2 EA	100
52000450	SURGE PROTECTOR SP18-2A	109.93	2 EA	220
52001370	SURGE PROTECTOR SP20-2A TAB 585	68.08	1 EA	68
52003630	EXTENSION CORD - 12'	66.84	1 EA	67
52005690	BOND WIRE, 7 STRANDS	0.45	200 LF	90
52016830	WIRE DUCT, 2X3	8.37	15 EA	126
52016940	WIRE DUCT, 3X3	9.75	3 EA	29
52017510	WIRE DUCT COVER 2*X6'	1.83	15 EA	27
52017620	WIRE DUCT COVER 3*X6'	2.72	3 EA	8
52019530	ENCLOSURE, SHUNT, POLE MOUNTED. 24X2	129.08	2 EA	258
52019560	EQUALIZER, H.O. TAB 583	8.98	12 EA	108
52021550	FOUNDATION, 4', STEEL, FOR FLSHR/GAT	195.67	2 EA	392
52025240	HOUSE, 6X6, SIGNAL XING	4284.55	1 EA	4285
52027350	CLIP BOARD - FOR SIGNAL PRINTS	6.99	1 EA	7
52027430	STEP BOX	13.98	1 EA	14
52028420	LIGHTNING ARRESTOR, CLR-COMM TAB 3	6.81	16 EA	109
52029780	LIGHTNING ARR, HD TAB 582 W/O BASE	9.63	4 EA	39
52030010	LIGHTNING ARRESTOR CONN. STRIP	4.04	2 EA	8
52039210	RECTIFIER, 20EC, 12V. TAB575	271.82	1 EA	272
52039390	RECTIFIER, 40EC, 12V. TAB577	376.96	1 EA	377
52040400	RESISTOR, ADJ. 0.63 OHM TAB91	24.13	4 EA	97
52040460	RESISTER, ADJ. 5 OHM, TAB 90	12.75	1 EA	13
52041200	RESISTANCE UNIT, ADJ. 10 OHM. TAB 9	23.40	1 EA	23
52042650	POST, MOUNTING, FOR SHUNT HOUSING	8.65	4 EA	35
52068650	TERMINAL, #6 - 5 WIRE - RING TYPE	0.13	20 EA	3
52070010	TERMINAL, #12-10 WIRE, RING TONGUE	0.08	300 EA	24
52071600	TERMINAL, #20-16 WIRE, RING TONGUE	0.06	150 EA	9
52072280	TERMINAL BLOCK, SIGNAL 2 POST BAK	2.25	35 EA	79
52072510	TERMINAL BLOCK, SIGNAL 3 POST TEST	6.13	3 EA	18
52072740	TERMINAL BLOCK, SIGNAL 12 POST 6	8.93	1 EA	9
52072960	TERMINAL BLOCK, SIGNAL 12 POST	6.96	4 EA	28
52074550	TEST LINK, INSULATED ASSEMBLY TAB	0.66	15 EA	10
52079550	WIRE TAG, PLASTIC - WHITE	0.12	100 EA	12
52079560	MARKING PEN (FOR WHITE TAG)	1.95	1 EA	2
52092200	CRTU, W/CBLEMTRY TRANSCEIVER	1693.91	1 EA	1694
52108120	LED FL/GATE ASSY. 2 WAY LIGHTS	6652.22	2 EA	13304
52109370	GATE ARM, ADJ. 16-12'	228.88	2 EA	458
52122140	HIGH WIND BRACKET 5" OR 4"	63.99	2 EA	128
52136470	SHEAR PIN, SK-1000-1	5.50	2 EA	11
52203400	DETECTOR, LIGHT OUT, LOD-1	450.90	1 EA	451
52205800	GCP111 NO ISLAND #81KB-80110-0B00	14113.23	1 EA	14113
52240000	IPI MODULE-GCP3000D2 #80211	1046.02	2 EA	2092
52246000	RESISTOR, 47,000 (47K) OHM .5 WATT	0.20	4 EA	1
52258590	NBS, TAB 641, 62775-1543	382.02	2 EA	764
52263600	SURGE ARRESTOR, METER LOOP.	28.16	1 EA	28
52264040	SURGE PANEL - TAB 618	198.02	1 EA	198

## WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 05-11-04  
 EST COMP: 12-31-04

PROJ NO: 44713  
 A.W.O. NO: 09198  
 W.O. NO:  
 B.I. NO: 02EN10  
 STATE: IL  
 VAL SEC: 1117

RAILROAD: UPRR CO.  
 LOCATION: SULLIVAN, IL, TR-112, PANA  
 DEPARTMENT: ENGINEERING SERVICES

52276050 CROSSING ANALYZER, HCA-1	1643.75	1 EA	1644
52276600 CROSSING CNTRLR 3+ 40AMP	4151.33	1 EA	4151
52959000 POWER TAP MATERIAL	1000.00	1 EA	1000
53648010 INSULATING CAP & SHIELD ASSY.	2.02	10 EA	20
53903460 EPD 120/240TDFL SURGE PROTECTOR	250.02	1 EA	250
53954500 180429-000 BOOTLEG KIT	43.20	4 EA	173

TOTAL 52,671

**ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT  
CROSSING DATA FORM**

**GENERAL INFORMATION:** See Aerial Map

<b>RAILROAD</b>	Union Pacific Railroad Company
<b>USDOT#, MILEPOST</b>	167 262V, milepost 174,80CC
<b>STREET, CITY, COUNTY</b>	Township Road 112
<b>JURISDICTION (RDWY)</b>	Sullivan Township of Moultrie County
<b>LOCATION</b>	Rural/Residential
<b>STREET SURFACE</b>	Bituminous, 22 feet, Fair

**CROSSING DATA:** Also see Location Sketch for roadway profile and track centers

<b>TRACK (W-E or N-S)</b>	<b>SURFACE TYPE</b>	<b>SURFACE WIDTH</b>	<b>SURFACE CONDITION</b>
North	Timber	32 feet	Fair
South	Timber	32 feet	Fair

**ROADWAY DATA:** See Location Sketch

<b>INTERSECTING ROADS:</b>	None
<b>TRAFFIC CONTROL</b>	None
<b>ADT &amp; SPEED</b>	350 vehicles per day @ 55 MPH (0%Trucks)
<b>TRAFFIC TYPE</b>	Hazardous Farm Materials
<b>ADVANCE WARNING</b>	Yes
<b>PAVEMENT MARKING</b>	No

**RAILROAD DATA:** See Location Sketch

<b>FREIGHT TRAFFIC</b>	14 trains per day @ 60 MPH, Both Day & Night Movements
<b>PASSENGER TRAFFIC</b>	None
<b>WARNING DEVICES</b>	Automatic Flashing Light Signals

**NOTES:** While the DEPARTMENT'S information on the amount of vehicular traffic on TR 112 shows 0 truck traffic, there is occasional truck traffic on the roadway, but it is seasonal in nature and does not amount to any significant amount. Pickup trucks are considered in the same class as automobile traffic.

The reconstruction of the timber-crossing surface is scheduled to take place at a later date so as not to delay the installation of the automatic warning devices at this crossing.

**VISIBILITY STUDY:** See Location Sketch

Train Speed		60 MPH
Roadway Speed		55 MPH
Required Stopping Sight Distance (SSD)		
Along Roadway		647 feet
Along Tracks		1441 feet
Required Clearing Sight Distance (CSD) (Along Tracks)		520 feet @ 15 feet from crossing

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 1984.

QUADRANT	CSD (FT)	OBSTRUCTION	SSD (FT)	OBSTRUCTION
NE	*	None	**	None
NW	*	None	**	None
SE	*	None	**	None
SW	*	None	**	None

\* adequate for max. train and vehicular speed

\*\* adequate for max. train speed

**APPROACH GRADES:** See Location Sketch

DIRECTION: NORTH			DIRECTION: SOUTH		
DISTANCE (FT)	ELEVATION (FT)	GRADE (%)	DISTANCE (FT)	ELEVATION (FT)	GRADE (%)
25'	100.1	+ .48%	25'	99.9	- .48%
50'	99.7	- .6%	50'	99.0	- 2%

Distance measured from outermost rail.

**COMMENTS:** This crossing meets the minimum warrants for the installation of automatic flashing light signals and gates controlled by constant warning time circuitry in that the product of the average daily train and vehicular traffic exceeds 3,000.

The approach grades within 50 feet of the crossing are in close approximation to the COMMISSION'S maximum grade requirements for approaches to highway crossings. Very little improvement is possible. However, the roadway surface is in need of reconstruction. The COUNTY, on behalf of the TOWNSHIP, is going to reconstruct the north and south highway roadway surfaces and perform minor approach improvements at the TR 112 crossing. Due to the amount of money being expended by the TOWNSHIP toward the roadway work at this project and for the amount of money he is scheduled to spend on road upkeep yet this fiscal year, the Fund is paying the TOWNSHIP'S normal 10% of the signal cost.