CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE

ACCT. CODE : 709 - IL0397

ESTIMATE SUBJECT TO REVISION AFTER: **12/11/2013** **DOT NO.:** 152861W
CITY: Olney **COUNTY:** Richland **STATE:** IL
DESCRIPTION: TR 176 (St. Marie Rd.) - Installation of Flashing Light Signals and Gates (FLS&G).

DIVISION: Nashville **SUB-DIV:** Illinois **MILE POST:** BC - 217.68
AGENCY PROJECT NUMBER: RRP-0159(049); Job No. C-97-015-13

	PRELIMINARY ENGINEERING:			
200	Labor (Non Contract)		$	-
200	Additive		$	-
230	Expenses		$	-
212	Contracted & Administrative Engineering Services		$	3,000
	Subtotal		$	3,000
	CONSTRUCTION ENGINEERING/INSPECTION:			
200	Labor (Non Contract)		$	-
200	Additive		$	-
230	Expenses		$	-
212	Contracted & Administrative Engineering Services		$	2,000
	Subtotal		$	2,000
	FLAGGING SERVICE: (Contract Labor)			
070	Labor (Conductor-Flagman)		$	-
050	Labor (Foreman/Inspector)		$	-
070	Additive 117.39%	(Transportation Department)	$	-
050	Additive 118.86%	(Engineering Department)	$	-
230	Per Diem	(Engineering Department)	$	-
230	Expenses		$	-
	Subtotal		$	-
	SIGNAL & COMMUNICATIONS WORK:	(Details Attached)	$	206,762
	TRACK WORK:	(Details Attached)	$	-
	ACCOUNTING & BILLING:			
040	Labor		$	2,700
040	Additive		$	-
	Subtotal		$	2,700
	PROJECT SUBTOTAL		$	214,462
900	**CONTINGENCIES:**	10.00%	$	21,446
	GRAND TOTAL	**********	$	235,908

DIVISION OF COST:

Agency	100.00%	$	235,908
Railroad		$	-
TOTAL	**********	$	235,908

NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces.

This estimate has been prepared based on site conditions, anticipated work duration periods, material prices, labor rates, manpower and resource availability, and other factors known as of the date prepared. The actual cost for CSXT work may differ based upon the agency's requirements, their contractor's work procedures, and/or other conditions that become apparent once construction commences or during the progress of the work

Office of Assistant Chief Engineer Public Projects--Jacksonville, Florida

Estimated prepared by: BSE **Approved by:** AJD **CSXT Public Project Group**
DATE: 6/14/2013 **REVISED:** **DATE:** 6/14/2013

Estimate No. 122315

CSX Transportation

TR 176 (St. Marie Road)- Install FLS&G (flashing lights signals and gates)
Olney, IL

DOT: 152861W OP: IL0397 CSX Project: IL2013014

Summary

Material	$ 73,375
Sales Tax	$ 0
Labor:	
Construction Labor (107 man-days)	$ 32,185
Shop Labor (6 man-days)	$ 1,260
Subsistence (107 man-days)	$ 13,910
Railroad Engineering, Preliminary	$ 4,561
Railroad Engineering, Construction	$ 4,828
Additives to Construction Labor	$ 27,744
Additives to Shop Labor	$ 1,261
Additives to Track Labor	$ 0
Additives to Engineering	$ 2,942
Equipment Expenses (22 work days)	$ 14,300
Waste Management (22 work days)	$ 528
Contract Engineering	$ 16,765
Freight	$ 5,603
Poleline Removal	$ 0
AC Power Service	$ 2,500
Salvage	$ 0
Vac Truck	$ 5,000
TOTAL ESTIMATE COST	$ 206,761

Date: 06/13/2013
Estimated By: James Brady

NOTE: This estimate should be considered void one year from date of estimate.

Shop Material List for CSX Project: IL2013014 (Effective: 06/13/2013)
INSTALL FS/G AND CWT
OLNEY, IL - BC 217.68

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-0003401	1	8480.00	1	8480.00	HOUSE 8X8L ALUM INCLUDES 7 SHELFS, FARADAY CLOSET, 240V
020-0017120	1	11.52	6	69.12	BLOCK TERMINAL 12 POST SINGLE STRIP AAR 14.1.6 WITH 1 AAR
020-0017125	1	3.54	20	70.80	BLOCK TERMINAL 2 POST AAR 14.1.8 WITH 1 AAR 14.1.11
020-0017211	1	627.20	1	627.20	TRANSFORMER 010520-50X LIGHT 750VA MOD SLT 50 SAFETRAN PRI
020-0021965	1	8.96	1	8.96	EXTRACTOR DWG 59688-4 TERMINAL GRS CAT P3-308 REF
020-0022651	1	55.89	6	335.34	PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	68.01	26	1768.26	ARRESTER LPC 15012-1 0-30V DC OR 0-24V AC RATED AT 15 AMP
020-0025595	1	20.72	1	20.72	WRENCH DWG 55393-3 GR1 "E" TERMINAL POST NUT GRS CAT
020-0053360	1	406.56	4	1626.24	CHARGER BATTERY ELC 12/20 S 20 AMP 10-19.9 VDC ROTARY SW
020-0053510	1	254.11	1	254.11	KIT 240V AC EMERGENCY GENERATOR CABLE AND
020-0065621	1	242.48	1	242.48	RACK SIGNAL EQUIP 19" X 7' 4008B-13 ALUMINUM SINGLE SIDE
020-0660077	1	597.41	1	597.41	ARRESTER GE 9L10KAC213 FOR 240 VOLT SINGLE PHASE 3 WIRE
020-0750090	1	0.09	3	0.27	NUT INSULATED USE ON AAR BINDING POST TERMINAL FOR
020-0770060	1	13.84	16	221.44	ARRESTER US&S N451552-0201 TRACK SERIES RED LABEL USGA
020-0770105	1	22.40	6	134.40	ARRESTER HARMON 202217-000 AGE-1 TRACK AIR GAP EQUALIZER
020-1940055	1	14.22	1	14.22	CONTAINER CIRCUIT PRINT 24" SCHEDULE 20 4" PVC PIPE WITH
020-2501400	1	987.92	1	987.92	CONTROLLER DTMF RADIO KEY DOWN MODE 6 SET TIMER TO 60
020-2503074	1	170.46	2	340.92	MODULE SAFETRAN RECORDER INTERFACE USED WITH SEAR II
020-2503076	1	101.30	1	101.30	CONNECTOR SAFETRAN NETWORK INTERFACE REQUIRED FOR USE
020-2550060	1	7872.58	1	7872.58	PREDICTOR SAFETRAN GCP-3000D2 REDUNDANT ONE TRK SYS W/CASE,
020-3180290	1	4878.63	1	4878.63	KIT, SEAR II FOR REMOTE MONITORING, ALARMS & TESTING,
020-3430110	1	321.84	1	321.84	RELAY SAFETRAN 400004 500 OHMS CONTACTS 4FB-2F-1B CSX
020-3430115	1	421.20	1	421.20	RELAY SAFETRAN 400005 500 OHMS CONTACTS 4FB HEAVY DUTY
020-3430130	1	365.31	1	365.31	RELAY SAFETRAN 400023 500 OHMS CONTACTS 6FB HEAVY DUTY
020-3430135	1	513.30	1	513.30	RELAY SAFETRAN 400213 460 OHMS CONTACTS 2FB CSX

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Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-3430170	1	413.95	1	413.95	RELAY SAFETRAN 400800-CSX 100/100 OHMS CONTACTS 6FB
020-3430185	1	431.55	1	431.55	RELAY SAFETRAN 400700-X 60 OHMS CONTACTS 4FB CSX
020-4200340	1	1.74	16	27.84	LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
020-4200350	1	2.06	12	24.72	LINK TEST ASSEMBLY 2-3/8" CENTERS COMPLETE WITH
020-4201046	1	0.15	500	75.00	NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-8000067	1	14.87	2	29.74	LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK
020-9470435	1	925.37	2	1850.74	MODULE SAFETRAN GCP-3000 TRANSCEIVER MODULE SAFETRAN
020-9470485	1	638.02	2	1276.04	MODULE SAFETRAN GCP-3000 INTELLIGENT PROGRAMMABLE
022-5290559	1	364.00	1	364.00	CONVERTER WILMORE INPUT 10V DC TO 16V DC OUTPUT 13.6V DC
022-8005160	1	594.61	1	594.61	KIT CDMA AND VHF RADIO MATERIAL FOR USE WITH CSX

Total Cost: $ 35,362.16

Estimate ID: 122315

Field Material List for CSX Project: IL2013014 (Effective: 06/13/2013)
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Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-0013686	1	72.73	3	218.19	BOOTLEG KIT CSX RAIL CONN W/15 FT 3/16 IN BDSTRAND 6/64
020-0013908	1	7.31	300	2193.00	CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
020-0017605	1	0.31	100	31.00	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE P/N
020-0018165	1	71.66	1	71.66	FILTER GEO TRACK NOISE SUPPRESSION SAFETRAN P/N
020-0025145	1	343.27	3	1029.81	SHUNT ENCLOSURE INTERRAIL P/N IRS-SE8A WAYSIDE MOUNT
020-0052475	1	11.20	4	44.80	ARM EXTENSION 10-1/2" ALUM WITH 3/8" DIAMETER MOUNTING
020-0053220	1	2.64	150	396.00	CABLE POWER UG 3 COND NO 6 AWG - SHOW LENGTH ON EACH
020-0054075	1	963.20	2	1926.40	GATE SAVER COMPLETE WITH SHEAR PIN AND RETURN SPRING
020-0055421	1	18.61	6	111.66	BRACKET SIGN 4" OR 5" MAST W/1/2" U-BOLT FOR ALL SIGNS
020-0056678	1	6295.13	2	12590.26	SIGNAL 0221-L GCWD GATE ASSY DWG SS222 INCLS ADJ 19 TO 28
020-0057275	1	1.23	725	891.75	WIRE UG TRACK TWISTED PAIR NO. 6 AWG SOLID CONDUCTOR
020-1020095	1	1678.83	2	3357.66	PLATFORM HIGHWAY CROSSING ACCESS FOUNDATION COMPLETE
020-1040322	1	150.52	39	5870.28	BATTERY SAFT SPL165, 165 AH POCKET PLATE NICKEL CADMIUM
020-1040540	1	31.36	2	62.72	TRAY BATTERY FIBER CO 82687-1-P 12" WIDTH 24" LONG
020-1040550	1	45.92	3	137.76	TRAY BATTERY FIBER CO 82687-3-P 12" WIDTH 38"
020-1150750	1	0.95	300	285.00	BOND STRAND 3/16" DIA 7 STRANDS OF 19 STR EACH 6 WITH
020-1153550	1	4.31	20	86.20	CLIP TRACK WIRE RETAINER UNIVERSAL RAIL BASE WRAP
020-1304014	1	6.14	18	110.52	KIT BOND, CADWELD PLUS WEB OF RAIL BOND 3/16 DIA. 4" LARGE
020-1360014	1	854.41	1	854.41	PACKAGE FOREMANS CARE FOR ALUMINUM TYPICAL BOM FOR USE
020-1360016	1	22.49	1	22.49	PACKAGE SAFETY & SECURMENT WITH 1 EA CAUTION TAG 1 EA
020-1360103	1	1381.37	1	1381.37	LAYOUT METER SERVICE WITH 25' POLE CSX DWG SS351 SH 2 ITEMS
020-2500441	1	66.61	1	66.61	INDUCTOR 8V617-2600 DUMMY LOAD SAFETRAN
020-2500615	1	301.96	1	301.96	SHUNT SAFETRAN 62775-156 NARROW BAND 156HZ
020-2500620	1	306.84	2	613.68	SHUNT SAFETRAN 62775-211 NARROW BAND 211HZ
020-3263656	1	1.77	12	21.24	SLEEVE BONDSTRAND 3/16" TO 3/16" 100 PER BOX, NICOPRESS

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Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-3263680	1	0.35	100	35.00	STAPLE COPPERWELD ROLLED POINT 1-3/4" LONG, 3/8"
020-3901895	1	92.68	2	185.36	TIP FLEX HWY CROSSING GATE 24 IN LONG RED & WHITE STRIPES
020-3920200	1	181.17	2	362.34	BELL GCWD ELECTRONIC 4" OR 5" MAST 8 TO 13 VOLTS DC GSI PN
020-3930010	1	3.70	2	7.40	KIT GATE ARM WARNING STICKER KIT INCLUDES 1-EA 5"X3"
020-4200340	1	1.74	30	52.20	LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
020-4200900	1	0.30	6	1.80	CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
020-4201042	1	0.15	53	7.95	NUT HEX BINDING (RSA NUT) AAR 14.1.11-6 14-24 NS-2 THD CONE
020-4201043	1	0.12	318	38.16	NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-4201044	1	0.11	265	29.15	WASHER AAR 14.1.11 ROUND COPPER NICKEL PLATED FOR AAR
020-7300031	1	200.48	2	400.96	BRACKET BELL FITS WESTERN CULLEN HAYES JUNCTION BOX
020-9999991	1	100.00	1	100.00	BLOCKING AND BRACING FOR PROJECTS BURCO DIST
250-0001830	1	15.09	1	15.09	BREAKER CIRCUIT SQ D QO240
250-1680406	1	0.52	100	52.00	CONDUIT LIQUID TIGHT 3/4" FLEXIBLE GREY PVC CARLON P/N
250-1680408	1	1.16	100	116.00	CONDUIT LIQUID TIGHT 3/4" NON-METALLIC ORANGE PVC
360-0006100	1	35.07	1	35.07	STOOL STEP WOOD 14"X 20" SIGNAL MAINTAINERS CSXT
360-0800145	1	5.00	1	5.00	BROOM WAREHOUSE CORN HVY DUTY ID300

Total Cost: $ 34,119.91

Estimate ID: 122315

Consumables List for CSX Project: IL2013014 (Effective: 06/13/2013)
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Catalog Num	Cond	Unit Price	Qty	Cost	Description
N/A		60.00	1	60.00	FILL MATERIAL, 1 CUBIC YARD
N/A		800.00	1	800.00	WALKWAY ROCK, 10 CUBIC YARDS
020-0017605	1	0.33	350	115.50	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE
020-0017607	1	0.78	500	390.00	WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.46	150	69.00	WIRE CASE TW PR NO 14 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017630	1	0.15	200	30.00	WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0017635	1	0.80	130	104.00	WIRE SIGNAL DEL 018 NO 6 COPPER STRANDED SINGLE
020-0028610	1	0.23	100	23.00	TERMINAL RING AMP 35628 YELLOW PLASTI-BOND HVY DUTY
020-1710055	1	1.99	250	497.50	CONDUIT SDR 13.5 4" ORANGE POLYETHYLENE TRENCHLESS
020-2060072	1	457.00	2	914.00	FOUNDATION HELICAL SCREW-IN ASSEMBLY 7’ X 10", USED FOR
020-2060074	1	366.00	2	732.00	EXTENSION 10" X 3’ USE WITH XING GATE AND SIGNAL MAST
020-3261970	1	9.41	2	18.82	DECAL ASSY 2" BLACK PRESSURE SENSITIVE VINYL PRE-MASKED
020-4200880	1	0.53	2	1.06	CONNECTOR TERMINAL 2-3/8" CENTERS AAR 14.1.15-4 NICKEL
020-4200892	1	0.44	27	11.88	CONNECTOR TERMINAL 1" CENTERS AAR 14.1.15-3 NICKEL PLATED
020-4251190	1	0.14	120	16.80	TERMINAL RING AMP 35627 BLACK PLASTI-BOND WIRE SIZE 10-12
020-4251290	1	0.53	30	15.90	TERMINAL WIRE AMP 322051 BLUE WIRE SIZE NO 6 AWG 1/4" STUD
020-4251295	1	0.53	6	3.18	TERMINAL WIRE AMP 322007 BLUE WIRE SIZE NO 6 AWG 3/8" STUD
020-9999992	1	50.00	1	50.00	HOUSE, SIGNAL HANDLING CHARGE, BURCO DISTRIBUTION
450-0019212	1	0.40	100	40.00	SCREW 10 X 1" SHT METAL PAN HD TYPE A COARSE THREAD

Total Cost: $ 3,892.64

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