CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE

ACCT. CODE : 709 - IL0411

ESTIMATE SUBJECT TO REVISION AFTER: **2/7/2015** **DOT NO.:** 152893C
CITY: Clay City **COUNTY:** Clay **STATE:** IL
DESCRIPTION: Heather Ln. - Install FLS&G with CWT.

DIVISION: Louisville **SUB-DIV:** Illinois **MILE POST:** BC-236.82
AGENCY PROJECT NUMBER: Stipulated Agmt. 1770

	PRELIMINARY ENGINEERING:			
200	Labor (Non Contract)		$	-
200	Additive		$	-
230	Expenses		$	-
212	Contracted & Administrative Engineering Services		$	3,500
	Subtotal		$	3,500
	CONSTRUCTION ENGINEERING/INSPECTION:			
200	Labor (Non Contract)		$	-
200	Additive		$	-
230	Expenses		$	-
212	Contracted & Administrative Engineering Services		$	1,500
	Subtotal		$	1,500
	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)	$	216,280
	TRACK WORK: (Details Attached)		$	-
	PROJECT SUBTOTAL		$	221,280
900	**CONTINGENCIES:**	10.00%	$	22,128
	GRAND TOTAL	**********	$	243,408

DIVISION OF COST:

Agency	95.00%		$	231,238
Railroad	5.00%		$	12,170
	TOTAL	**********	$	243,408

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: 8/11/2014 **REVISED:** **DATE:** 8/11/2014

Estimate No. 124676

CSX Transportation

Heather Rd.(TR332A) - Install FLS&G controlled by CWT Circuitry. BUY AMERICA
Clay City, IL

DOT: 152893C OP: IL0411 CSX Project: IL2014031

Summary

Material	$ 78,047
Sales Tax	$ 0
Labor:	
Construction Labor (121 man-days)	$ 36,078
Shop Labor (5 man-days)	$ 1,050
Subsistence (121 man-days)	$ 15,730
Railroad Engineering, Preliminary	$ 4,714
Railroad Engineering, Construction	$ 5,412
Additives to Construction Labor	$ 42,882
Additives to Shop Labor	$ 1,248
Additives to Track Labor	$ 0
Additives to Engineering	$ 0
Equipment Expenses (0 work days)	$ 0
Waste Management (21 work days)	$ 252
Contract Engineering	$ 18,210
Freight	$ 6,158
Poleline Removal	$ 0
AC Power Service	$ 2,500
Salvage	$ -1
VAC-TRUCK	$ 4,000
TOTAL ESTIMATE COST	$ 216,279

Date: 08/11/2014
Estimated By: Scott Elliott

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

Shop Material List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
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	6	21.24	BLOCK TERMINAL 2 POST AAR 14.1.8 WITH 1 AAR 14.1.11
020-0017211	1	627.20	1	627.20	TRANSFORMER LIGHT 750VA 010520-50X MODEL SLT-50
020-0021965	1	8.96	1	8.96	EXTRACTOR DWG 59688-4 TERMINAL GRS CAT P3-308 REF
020-0022651	1	55.89	8	447.12	PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	68.00	27	1836.00	ARRESTER HYBRID LOW VOLTAGE 0-30V DC OR 0-24V AC RATED AT
020-0025595	1	20.72	1	20.72	WRENCH DWG 55393-3 GR1 "E" TERMINAL POST NUT GRS CAT
020-0053360	1	406.56	3	1219.68	CHARGER BATTERY ELC 12/20 D 20 AMP 10-19.9 VDC ROTARY SW
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	13.44	14	188.16	ARRESTER US&S N451552-0201 TRACK SERIES RED LABEL USGA
020-0770105	1	22.40	5	112.00	ARRESTER HARMON 202217-000 AGE-1 TRACK AIR GAP EQUALIZER
020-1000354	1	6054.50	1	6054.50	HOUSE SIGNAL 6FT X 6FT WITH PTC UPGRADE PTMW P/N 91000354
020-1940055	1	14.22	1	14.22	CONTAINER TUBE HOLDER CIRCUIT PRINT PLAN 24" SCHD 20 4" PVC
020-2501400	1	1043.84	1	1043.84	CONTROLLER DTMF RADIO KEY DOWN MODE 6 SET TIMER TO 60
020-2503081	1	66.24	1	66.24	MODULE SAFETRAN ECHELON TERMINATION UNIT (A80078) USE
020-2552758	1	13288.29	1	13288.29	PREDICTOR HXP-3R2 W/O RSI HARMON P/N 250729-4020
020-3180290	1	4878.63	1	4878.63	KIT, SEAR II FOR REMOTE MONITORING, ALARMS & TESTING,
020-3430110	1	321.84	2	643.68	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	2	730.62	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
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	1.65	14	23.10	LINK TEST ASSEMBLY 1" CENTERS YELLOW INSULATOR ON OFFSET

Estimate ID: 124676

Shop Material List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-4200350	1	2.04	9	18.36	LINK TEST ASSEMBLY 2-3/8" CENTERS YELLOW INSULATOR ON
020-4201045	1	0.10	300	30.00	NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-8000067	1	14.61	2	29.22	LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK
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: $ 34,707.19

Estimate ID: 124676

Field Material List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-0010447	1	13.02	2	26.04	BOX GROUND ROD CONNECTION ENCLOSURE COMPLETE WITH 7"
020-0010449	1	15.78	2	31.56	BOX, 9 INCH DIA. "FLOWER POT" ENCLOSURE WITH HD
020-0013555	1	297.00	1	297.00	BOX JUNCTION 8 WAY ALUMINUM INCLUDES 2 EACH 4 POST
020-0013687	1	39.99	2	79.98	SPLICE TRACK WIRE TO BONDSTRAND (FLOWER POT KIT)
020-0013870	1	1.44	1500	2160.00	CABLE UG 5 COND NO 14 AWG SOLID C CSX SPEC SS796 SHOW
020-0013908	1	6.90	300	2070.00	CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
020-0017605	1	0.30	1000	300.00	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE P/N
020-0022651	1	70.00	1	70.00	PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	68.01	2	136.02	ARRESTER HYBRID LOW VOLTAGE 0-30V DC OR 0-24V AC RATED AT
020-0025145	1	445.20	3	1335.60	SHUNT ENCLOSURE WAYSIDE MOUNT ASSEMBLY COMPLETE WITH LOCK
020-0052475	1	11.20	4	44.80	ARM EXTENSION 10-1/2" ALUM WITH 3/8" DIAMETER MOUNTING
020-0053220	1	2.53	150	379.50	CABLE POWER UG 3 COND NO 6 AWG - SHOW LENGTH ON EACH
020-0054073	1	273.56	2	547.12	BRACKET ASSY GATE ARM CONVERSION INCLS BRKT MTG
020-0054167	1	27.53	1	27.53	KIT 72-N2CH SCOTCHCAST SPLICE FOR CABLES WITH OUTSIDE
020-0055421	1	18.61	6	111.66	BRACKET SIGN 4" OR 5" MAST W/1/2" U-BOLT FOR ALL SIGNS
020-0056674	1	6037.45	2	12074.90	SIGNAL 0220-L GCWD GATE ASSY DWG SS222 INCLS 18 FBRGL ARM
020-0056823	1	17.77	1	17.77	TAPE UG RED CABLE MARKER IMPRINT TO READ "CAUTION
020-0057275	1	1.17	1000	1170.00	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	162.40	30	4872.00	BATTERY SAFT SPL165, 165 AH POCKET PLATE NICKEL CADMIUM
020-1040540	1	31.36	4	125.44	TRAY BATTERY FIBER CO 82687-1-P 12" WIDTH 24" LONG
020-1040550	1	45.92	1	45.92	TRAY BATTERY FIBER CO 82687-3-P 12" WIDTH 38"
020-1150750	1	0.99	300	297.00	BOND STRAND 3/16" DIA 7 STRANDS OF 19 STR EACH 6 WITH
020-1304014	1	6.14	8	49.12	KIT BOND, CADWELD PLUS WEB OF RAIL BOND 3/16 DIA. 4" LARGE
020-1360014	1	1017.60	1	1017.60	PACKAGE FOREMANS CARE FOR ALUMINUM TYPICAL BOM FOR USE

Field Material List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-1360016	1	21.18	1	21.18	PACKAGE SAFETY FOR BURCO CONTAINERS COMPLETE WITH ONE
020-1360104	1	1670.80	1	1670.80	LAYOUT AC METER SERVICE WITH 30’ POLE CSX DWG SS351 SH 2
020-2060078	1	9.75	8	78.00	BOLT 1" - 8 X 8" INCLUDES NUT AND 3 FLAT WASHERS, USE ON
020-2530280	1	312.12	2	624.24	FILTER EPC 800-080055-107 TF-86
020-2530650	1	190.57	1	190.57	HOUSING TERMINAL 385A3 W/PIPE & FOOT HARMON 225238-001
020-2531231	1	272.46	1	272.46	SHUNT HARMON 250250-G02B NBS-1-10 86HZ 10 FT LEADS
020-2531280	1	265.93	1	265.93	SHUNT HARMON 250250-267 NBS-1-10 267HZ 10 FT LEADS
020-2541305	1	689.76	3	2069.28	SHUNT HARMON 250849-000 FSS-1A FREQUENCY SELECTEDABLE
020-2541319	1	104.76	1	104.76	INDUCTOR 227032-004 1250 DUMMY LOAD HARMON
020-2541320	1	104.76	1	104.76	INDUCTOR 227032-005 1500 DUMMY LOAD HARMON
020-2541325	1	114.24	1	114.24	INDUCTOR 227032-010 2750 DUMMY LOAD HARMON
020-3263640	1	0.27	5	1.35	SLEEVE NICOPRESS 14 AWG SOLID COPPER WIRE 1-1/8" LONG STD
020-3263656	1	1.77	8	14.16	SLEEVE BONDSTRAND 3/16" TO 3/16" 100 PER BOX, NICOPRESS
020-3430110	1	372.24	1	372.24	RELAY SAFETRAN 400004 500 OHMS CONTACTS 4FB-2F-1B CSX
020-3901895	1	92.68	2	185.36	TIP FLEX HWY CROSSING GATE 24 IN LONG ENGINEERING GRADE RED
020-3920200	1	181.17	1	181.17	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	1.65	29	47.85	LINK TEST ASSEMBLY 1" CENTERS YELLOW INSULATOR ON OFFSET
020-4200900	1	0.28	6	1.68	CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
020-4201042	1	0.12	40	4.80	NUT HEX BINDING (RSA NUT) AAR 14.1.11-6 14-24 NS-2 THD CONE
020-4201043	1	0.12	250	30.00	NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-4201044	1	0.11	200	22.00	WASHER AAR 14.1.11 ROUND COPPER NICKEL PLATED FOR AAR
020-7300030	1	189.28	1	189.28	BRACKET BELL FITS SAFETRAN JUNCTION BOX MOUNT, 5" BENT
020-9999991	1	100.00	1	100.00	BLOCKING AND BRACING FOR PROJECTS BURCO DIST
250-0001836	1	15.25	1	15.25	BREAKER CIRCUIT SQ D QO260
360-0006100	1	35.07	1	35.07	STOOL STEP WOOD 14"X 20" SIGNAL MAINTAINERS CSXT

Field Material List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
360-0800145	1	4.93	1	4.93	BROOM WAREHOUSE CORN HVY DUTY 1-1/8" DIA HANDLE

Total Cost: $ 37,372.98

Estimate ID: 124676

Consumables List for CSX Project: IL2014031 (Effective: 08/11/2014)
INSTALL FLS&G W/HXP-3R2
CLAY CITY, IL - BC 236.82

Catalog Num	Cond	Unit Price	Qty	Cost	Description
N/A		50.00	10	500.00	FILL MATERIAL, 1 CUBIC YARD
N/A		500.00	1	500.00	RAVEN AIR-LINK
N/A		800.00	1	800.00	WALKWAY ROCK, 10 CUBIC YARDS
020-0017605	1	0.29	350	101.50	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE P/N
020-0017607	1	0.68	500	340.00	WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.42	150	63.00	WIRE CASE TWISTED PAIR AWG #14 FLEX TWIST 2 TURNS PER FT
020-0017630	1	0.13	200	26.00	WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0017635	1	0.80	130	104.00	WIRE (DO NOT ORDER, USE 020.0017636.1) SIGNAL DEL 018
020-0028610	1	0.22	100	22.00	TERMINAL RING PANDUIT PN12-14HDR-D YELLOW NYLON HVY
020-0053510	1	208.13	1	208.13	KIT 240V AC EMERGENCY GENERATOR CABLE AND
020-1360540	1	71.65	1	71.65	BREAKER MAIN/GENERATOR BACKFEED RETAINING GENERATOR
020-1710045	1	2.25	250	562.50	CONDUIT SDR 13.5 4" ORANGE POLYETHYLENE TRENCHLESS
020-2060072	1	750.00	2	1500.00	FOUNDATION HELICAL SCREW-IN ASSEMBLY 7’ X 10", USED FOR
020-2060074	1	525.00	2	1050.00	EXTENSION 10" X 3’ USE WITH XING GATE AND SIGNAL MAST
020-3261970	1	9.41	2	18.82	DECAL (DO NOT ORDER, CALL SIGNAL SHOP) ASSY 2" BLACK
020-4168917	1	0.50	2	1.00	RESISTOR, FIXED .5W, 20W OHM (REPLACEMENT FOR INVENSYS PN
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	0.13	120	15.60	TERMINAL RING PANDUIT PV10-14RD YELLOW VINYL SIZE
020-4251290	1	0.49	30	14.70	TERMINAL RING PANDUIT PV6-14R-T BLUE VINYL SIZE 6
020-4251295	1	0.49	6	2.94	TERMINAL RING PANDUIT PV6-38R-T BLUE VINYL SIZE 6
020-9999992	1	50.00	1	50.00	HOUSE SIGNAL HANDLING CHARGE BURCO DISTRIBUTION
450-0019212	1	0.02	100	2.00	SCREW 10 X 1" SHT METAL PAN HD TYPE A COARSE THREAD

Total Cost: $ 5,966.78

Estimate ID: 124676