Completion of this form is necessary to accomplish the statutory purpose as outlined in the Illinois Public Utilities Act, chapter 111 2/3, Sec. 9. Failure to provide the requested information may prevent your request from being processed. This form has been approved by the Forms Management Center.

Form 3

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d)

Date: **January 17, 2013**

To the Illinois Commerce Commission:

The petitioner **CSX Transportation** shows

(1) That it is a railroad company operating a line of railroad in the State of Illinois.

(2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.

(3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.

(4) That petitioner's reasons and purpose, with reference to its said proposal are

installation of cantilevered flashing light signals and gates per State request.

(5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

CSX Transportation

By

Amanda J. DeCesare
Project Manager, CSXT Public Projects
(859) 426-6924

Sean Craig
(Attorney for Petitioner)

CSX Transportation
500 Water Street, SC J-150
Jacksonville, FL 32202
(Attorney's Address)

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Ill. Adm. Code 1535.400(d).

1. Name of Railroad Company **CSX Transportation**

2. Crossing Number **163419K**

3. Village or City **in Blue Island**

4. Name of Street or Highway **127th St.**

5. Public Agency Maintaining Highway **Illinois D.O.T.**

6. Protection now established: (Give full description. Indicate the hours of any manual protection.)

   cantilevered flashing lights and gates

7. Protection desired: (Give details)

   cantilevered flashing lights and gates

8. Number of main tracks **1** Other tracks **N/A**

9. Number of passenger train movements: 6 a.m. to 6 p.m. **0** 6 p.m. to 6 a.m. **0**

10. Number of freight train movements: 6 a.m. to 6 p.m. **6** 6 p.m. to 6 a.m. **6**

11. Approximate number of switch movements: 6 a.m. to 6 p.m. **1** 6 p.m. to 6 a.m. **0**

12. Maximum speed of trains at crossing on each track in each direction

Track 1 N/E Bound	**40**	mph	S/W Bound	**40** mph
Track 2 N/E Bound	**N/A**	mph	S/W Bound	**N/A** mph
Track 3 N/E Bound	**N/A**	mph	S/W Bound	**N/A** mph

13. Passenger platforms served by tracks within the limits of track circuits, if any **N/A**

14. Where automatic signals or gates are proposed, approximately number of train or engine movements daily which would cause false indications or operation **N/A**

15. Nature and approximate amount of street or highway traffic over crossing
AADT: 23100 / Trucks: 10% / School Buses: None / AADT Year: 2006

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

(a) Width and surface of highway.
(b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
(c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
(d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
(e) Show the length of each operation track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

VERIFICATION

I, **Amanda J. DeCesare**, first being duly sworn upon oath depose and say that I am **Project Manager Public Projects** of **CSX Transportation**, an **Virginia** corporation; that I have read the above and foregoing petition by me subscribed and know the contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon information and belief, and as to those, I believe same to be true.

Project Manager Public Projects

CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE

ACCT. CODE : 709 - IL0381

ESTIMATE SUBJECT TO REVISION AFTER: **7/15/2013** **DOT NO.:** 163419K
CITY: Blue Island **COUNTY:** Cook **STATE:** IL
DESCRIPTION: 127th St. - Install cantilevered flashing lights signals and gates (CFLS&G).

DIVISION: Chicago **SUB-DIV:** Blue Island **MILE POST:** DC - 15.97
AGENCY PROJECT NUMBER: RRS-0344(056), Job No. C-91-377-12, Agreement No. RR112377

	PRELIMINARY ENGINEERING:				
200	Additive	31.34%		$	-
230	Expenses			$	-
212	Contracted & Administrative Engineering Services			$	3,500
	Subtotal			$	3,500
	CONSTRUCTION ENGINEERING/INSPECTION:				
200	Additive	31.34%		$	-
230	Expenses			$	-
212	Contracted & Administrative Engineering Services			$	2,500
	Subtotal			$	2,500
	FLAGGING SERVICE: (Contract Labor)				
070	Labor (Conductor-Flagman)			$	-
050	Labor (Foreman/Inspector)			$	-
070	Additive	71.09%	(Transportation Department)	$	-
050	Additive	95.98%	(Engineering Department)	$	-
230	Per Diem	(Engineering Department)		$	-
230	Expenses			$	-
	Subtotal			$	-
	SIGNAL & COMMUNICATIONS WORK:		(Details Attached)	$	170,343
	TRACK WORK: (Details Attached)			$	-
	ACCOUNTING & BILLING:				
040	Labor			$	2,300
040	Additive	63.03%		$	1,450
	Subtotal			$	3,750
	PROJECT SUBTOTAL			$	180,093
900	**CONTINGENCIES:**	10.00%		$	18,009
	GRAND TOTAL		**********	$	198,102

DIVISION OF COST:

Agency	100.00%		$	198,102
Railroad			$	-
	TOTAL	**********	$	198,102

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: 1/16/2013 **REVISED:** **DATE:** 1/16/2013

Form Revised 05-05-2010-LLS

Estimate No. 121488

CSX Transportation

127th St. - Install cantilevered flashing lights & gates & remote monitoring. Reuse house & all equipment

Blue Island, IL

DOT: 163419K OP: IL0381 CSX Project: IL2012035

Summary

Material	$ 61,300
Sales Tax	$ 0
Labor:	
Construction Labor (104 man-days)	$ 25,652
Shop Labor (0 man-days)	$ 0
Subsistence (104 man-days)	$ 13,520
Railroad Engineering, Preliminary	$ 4,257
Railroad Engineering, Construction	$ 3,848
Additives to Construction Labor	$ 22,112
Additives to Shop Labor	$ 0
Additives to Track Labor	$ 0
Additives to Engineering	$ 2,540
Equipment Expenses (21 work days)	$ 13,650
Waste Management (21 work days)	$ 504
Contract Engineering	$ 13,698
Freight	$ 4,262
Poleline Removal	$ 0
AC Power Service	$ 0
Salvage	$ 0
Vacuum cleaner truck rental	$ 5,000
TOTAL ESTIMATE COST	$ 170,343

Date: 01/04/2013
Estimated By: Steve Spence

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

Field Material List for CSX Project: IL2012035 (Effective: 01/04/2013)
Cantilevered flashing lights & gates w/3000D2
Blue Island, IL - DC 15.97

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-0013908	1	6.98	300	2094.00	CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
020-0014605	1	2990.00	2	5980.00	FOUNDATION CONCRETE GCWD 5' - 10" SECT PRECAST ASSY BLT
020-0017076	1	0.17	25	4.25	TIE CABLE AMP 15-1/2" LENGTH UP TO 4" WIRE BUNDLE RANGE
020-0017120	1	11.52	6	69.12	BLOCK TERMINAL 12 POST SINGLE STRIP AAR 14.1.6 WITH 1 AAR
020-0017605	1	0.31	300	93.00	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE P/N
020-0017625	1	0.44	50	22.00	WIRE CASE TWISTED PAIR AWG #14 FLEX TWIST 2 TURNS PER FT
020-0017630	1	0.14	300	42.00	WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0022651	1	55.89	2	111.78	PLUGBOARD KIT TYPE B1 OR ST1 RELAY ASSEMBLY WITH 12 EACH
020-0022701	1	68.01	4	272.04	ARRESTER HYBRID LOW VOLTAGE 0-30V DC OR 0-24V AC RATED AT
020-0025145	1	306.49	4	1225.96	SHUNT ENCLOSURE INTERRAIL P/N IRS-SE8A WAYSIDE MOUNT
020-0028610	1	0.23	25	5.75	TERMINAL RING PANDUIT PN12-14HDR-D YELLOW NYLON HVY
020-0053066	1	3.94	8	31.52	BOND WEB OF RAIL TRACK CONNECTOR 3/16" DIA X 1" TAB
020-0054075	1	1006.88	2	2013.76	GATE SAVER COMPLETE WITH SHEAR PIN AND RETURN SPRING
020-0055425	1	78.93	6	473.58	BRACKET SIGN 12" MAST W/SPLIT BOLTS FOR ALL SIGNS REQUIRING
020-0056181	1	46.37	2	92.74	SIGN MULTIPLE TRACK "2 TRACKS" COMPLETE WITH 2 EACH
020-0056464	1	71.60	4	286.40	BRACKET SIGN 12" MAST W/SPLIT BOLTS FOR ALL SIGNS REQUIRING
020-0056662	1	5637.41	2	11274.82	SIGNAL 02285-L GCWD GATE ASSY DWG SS222 INCLS ADJ 19 TO 28
020-0056823	1	15.01	1	15.01	TAPE UG RED CABLE MARKER IMPRINT TO READ "CAUTION
020-0068631	1	9832.38	2	19664.76	SIGNAL 023154 GCWD 20 ALUM 1-MAST CANTLR FL LT ASSY DWG
020-1150750	1	0.83	200	166.00	BOND STRAND 3/16" DIA 7 STRANDS OF 19 STR EACH 6 WITH
020-1153550	1	4.31	8	34.48	CLIP TRACK WIRE RETAINER UNIVERSAL RAIL BASE WRAP
020-1360016	1	21.18	1	21.18	PACKAGE SAFETY & SECURMENT WITH 1 EA CAUTION TAG 1 EA
020-1501690	1	7.15	300	2145.00	CABLE UG 9 COND NO 6 AWG SOLID C CSX SPEC SS796 SHOW
020-2060060	1	532.00	2	1064.00	FOUNDATION CONCRETE SIGNAL 5' - 7" SECTIONAL PRECAST BOLT
020-2500429	1	57.29	1	57.29	INDUCTOR 8V617-200 DUMMY LOAD SAFETRAN

Estimate ID: 121488

Field Material List for CSX Project: IL2012035 (Effective: 01/04/2013)
Cantilevered flashing lights & gates w/3000D2
Blue Island, IL - DC 15.97

Catalog Num	Cond	Unit Price	Qty	Cost	Description
020-2500592	1	298.07	1	298.07	SHUNT SAFETRAN 62775-3497 MULTI-FREQUENCY NARROW BAND
020-2500645	1	241.57	1	241.57	SHUNT SAFETRAN 62775-645 NARROW BAND 645HZ
020-2501400	1	1043.84	1	1043.84	CONTROLLER DTMF RADIO KEY DOWN MODE 6 SET TIMER TO 60
020-2531275	1	265.93	2	531.86	SHUNT HARMON 250250-210 NBS-1-10 210HZ 10 FT LEADS
020-3263680	1	0.35	40	14.00	STAPLE COPPERWELD ROLLED POINT 1-3/4" LONG, 3/8"
020-3430110	1	321.84	2	643.68	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	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"
020-4151750	1	0.34	50	17.00	TAG PLASTIC 1-1/2 X 7/8" WIDE ONE HOLE WHITE MATT FINISH
020-4200340	1	1.65	39	64.35	LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
020-4200900	1	0.27	8	2.16	CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
020-4201042	1	0.12	56	6.72	NUT HEX BINDING (RSA NUT) AAR 14.1.11-6 14-24 NS-2 THD CONE
020-4201043	1	0.11	336	36.96	NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-4201044	1	0.11	280	30.80	WASHER AAR 14.1.11 ROUND COPPER NICKEL PLATED FOR AAR
020-4251190	1	0.14	25	3.50	TERMINAL RING PANDUIT PV10-14RD YELLOW VINYL SIZE
020-7300031	1	200.48	2	400.96	BRACKET BELL FITS WESTERN CULLEN HAYES JUNCTION BOX
020-8000067	1	14.87	4	59.48	LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK
020-8100044	1	3906.57	1	3906.57	RECORDER EVENT HAWK INCLUDES ETHERNET MODEM AND CURRENT
020-9470450	1	871.80	2	1743.60	MODULE SAFETRAN GCP-3000 DAX MODULE SAFETRAN P/N
020-9999991	1	100.00	1	100.00	BLOCKING AND BRACING FOR PROJECTS BURCO DIST
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
250-0001822	1	6.38	1	6.38	BREAKER CIRCUIT SQ D QO115
250-0012228	1	3.23	3	9.69	TAPE BLACK ELECTRIC 3/4" X 66’ 3M "SUPER 33 PLUS"
250-1680406	1	0.44	80	35.20	CONDUIT LIQUID TIGHT 3/4" FLEXIBLE GREY PVC CARLON P/N

Field Material List for CSX Project: IL2012035 (Effective: 01/04/2013)
Cantilevered flashing lights & gates w/3000D2
Blue Island, IL - DC 15.97

Catalog Num	Cond	Unit Price	Qty	Cost	Description
250-1680408	1	1.00	80	80.00	CONDUIT LIQUID TIGHT 3/4" NON-METALLIC ORANGE PVC
360-0020350	1	2.86	6	17.16	WATER DRINKING PURIFIED 10OZ PLASTIC BOTTLES 24 PER CASE
370-0000503	1	3.43	1	3.43	LUBRICANT MULTI-PURPOSE PLASTIC SAFE 2-26 11 OZ
470-0060318	1	11.01	4	44.04	FOAM SEALANT CF-116 SINGLE 16 OZ CAN INCLUDES ONE EACH
470-1201760	1	2.90	1	2.90	PAINT ALUMINUM KRYLON AEROSOL 01760 TOUGH COAT

Total Cost: $ 58,118.07

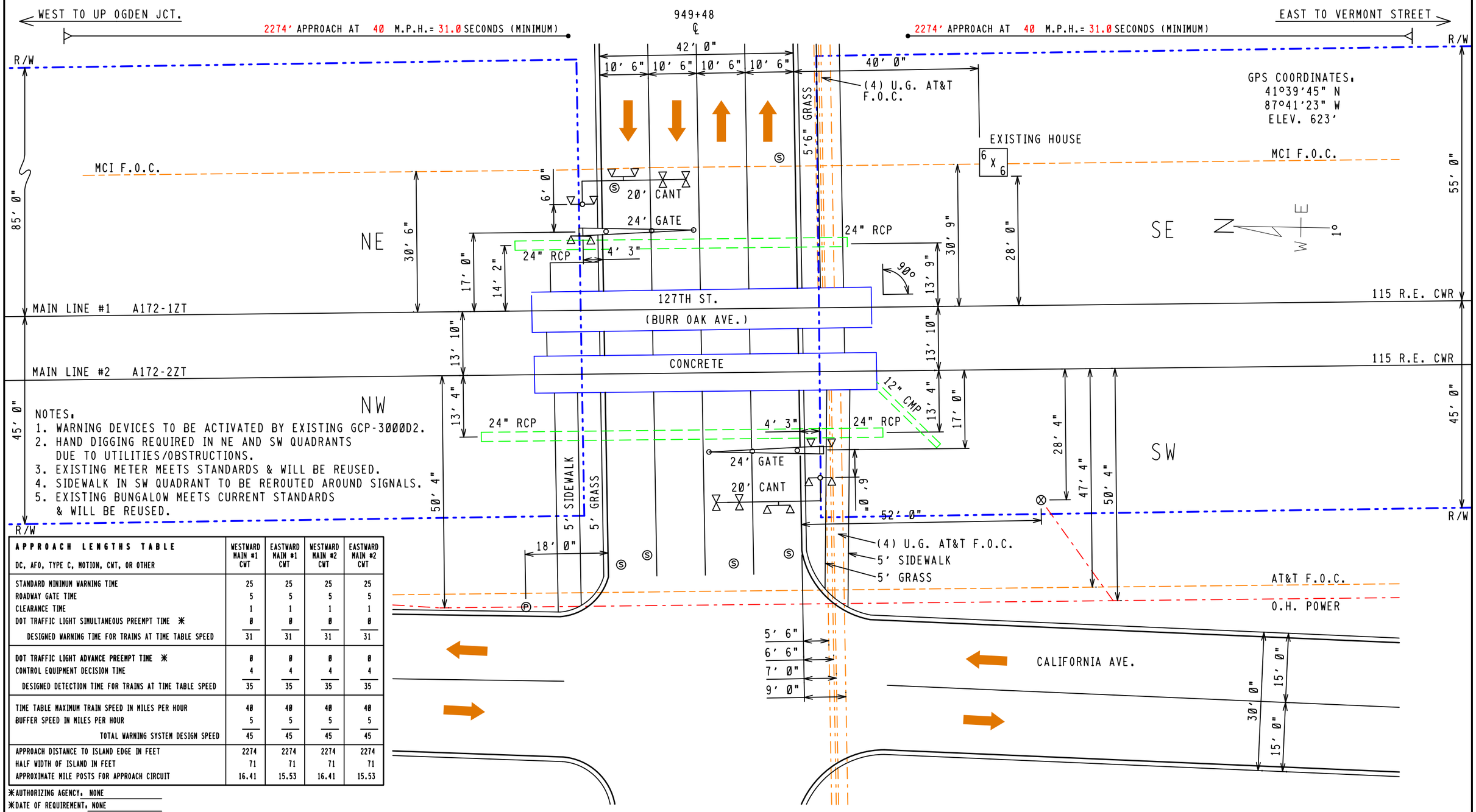
Estimate ID: 121488

Consumables List for CSX Project: IL2012035 (Effective: 01/04/2013)
Cantilevered flashing lights & gates w/3000D2
Blue Island, IL - DC 15.97

Catalog Num	Cond	Unit Price	Qty	Cost	Description
N/A		50.00	50	2500.00	FILL MATERIAL, 1 CUBIC YARD
020-0017605	1	0.29	100	29.00	WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE
020-0017607	1	0.70	100	70.00	WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.43	50	21.50	WIRE CASE TW PR NO 14 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017630	1	0.13	100	13.00	WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0017635	1	0.80	30	24.00	WIRE SIGNAL DEL 018 NO 6 COPPER STRANDED SINGLE
020-0028610	1	0.22	50	11.00	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
020-4200880	1	0.53	2	1.06	CONNECTOR TERMINAL 2-3/8" CENTERS AAR 14.1.15-4 NICKEL
020-4200892	1	0.44	10	4.40	CONNECTOR TERMINAL 1" CENTERS AAR 14.1.15-3 NICKEL PLATED
020-4251190	1	0.13	20	2.60	TERMINAL RING AMP 35627 BLACK PLASTI-BOND WIRE SIZE 10-12
020-4251290	1	0.49	10	4.90	TERMINAL WIRE AMP 322051 BLUE WIRE SIZE NO 6 AWG 1/4" STUD
020-4251295	1	0.49	6	2.94	TERMINAL WIRE AMP 322007 BLUE WIRE SIZE NO 6 AWG 3/8" STUD

Total Cost: $ 3,181.9

Estimate ID: 121488



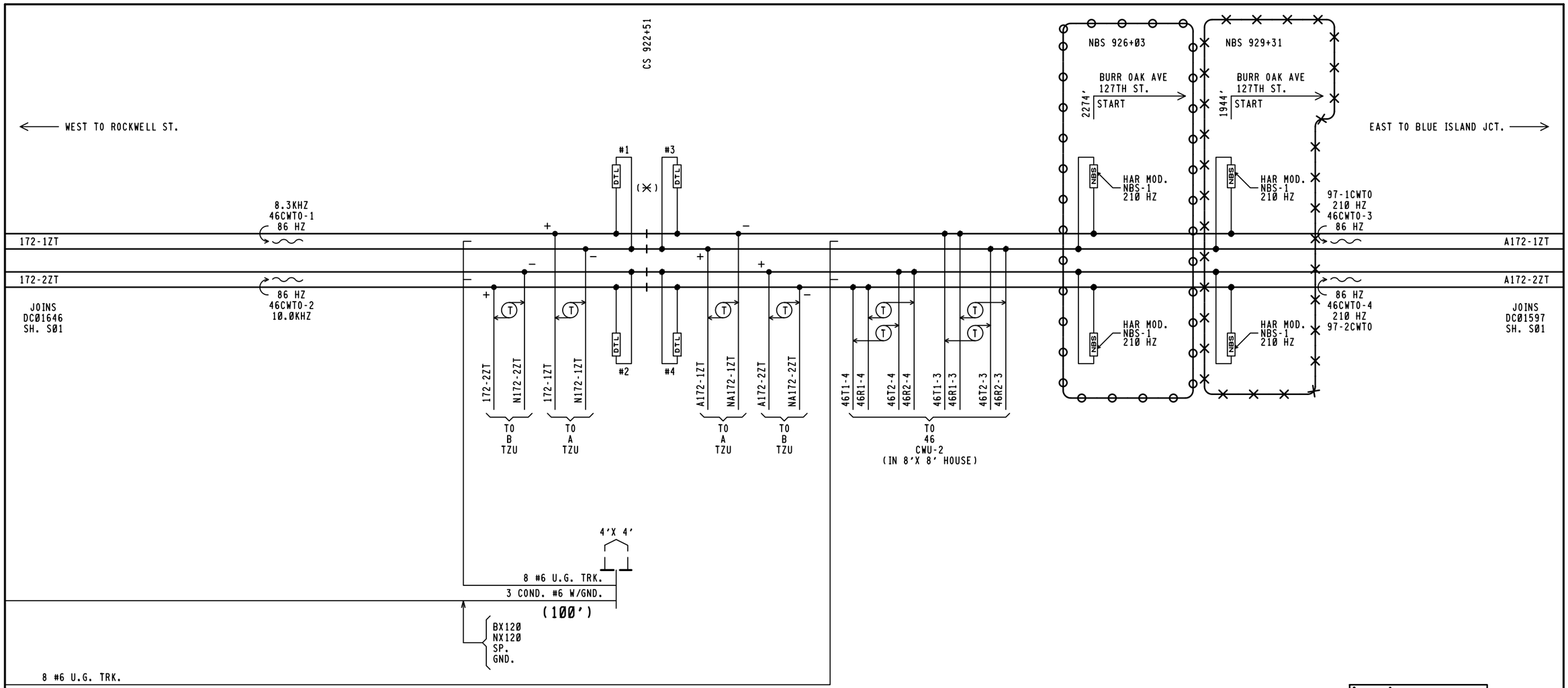
NOTES.
1. WARNING DEVICES TO BE ACTIVATED BY EXISTING GCP-3000D2.
2. HAND DIGGING REQUIRED IN NE AND SW QUADRANTS DUE TO UTILITIES/OBSTRUCTIONS.
3. EXISTING METER MEETS STANDARDS & WILL BE REUSED.
4. SIDEWALK IN SW QUADRANT TO BE REROUTED AROUND SIGNALS.
5. EXISTING BUNGALOW MEETS CURRENT STANDARDS & WILL BE REUSED.

APPROACH LENGTHS TABLE DC, AFO, TYPE C, MOTION, CWT, OR OTHER	WESTWARD MAIN #1 CWT	EASTWARD MAIN #1 CWT	WESTWARD MAIN #2 CWT	EASTWARD MAIN #2 CWT
STANDARD MINIMUM WARNING TIME	25	25	25	25
ROADWAY GATE TIME	5	5	5	5
CLEARANCE TIME	1	1	1	1
DOT TRAFFIC LIGHT SIMULTANEOUS PREEMPT TIME ✳	0	0	0	0
DESIGNED WARNING TIME FOR TRAINS AT TIME TABLE SPEED	31	31	31	31
DOT TRAFFIC LIGHT ADVANCE PREEMPT TIME ✳	0	0	0	0
CONTROL EQUIPMENT DECISION TIME	4	4	4	4
DESIGNED DETECTION TIME FOR TRAINS AT TIME TABLE SPEED	35	35	35	35
TIME TABLE MAXIMUM TRAIN SPEED IN MILES PER HOUR	40	40	40	40
BUFFER SPEED IN MILES PER HOUR	5	5	5	5
TOTAL WARNING SYSTEM DESIGN SPEED	45	45	45	45
APPROACH DISTANCE TO ISLAND EDGE IN FEET	2274	2274	2274	2274
HALF WIDTH OF ISLAND IN FEET	71	71	71	71
APPROXIMATE MILE POSTS FOR APPROACH CIRCUIT	16.41	15.53	16.41	15.53

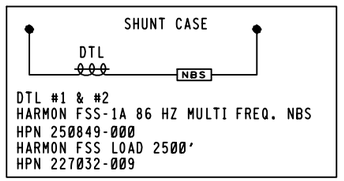
✳AUTHORIZING AGENCY. NONE
✳DATE OF REQUIREMENT. NONE
✳AMOUNT OF TIME (SEC.). NONE

FILE NAME. DC01597.H01	REVISION DATES	PRODUCED FOR.	PRODUCED BY.	LEGEND	GUARD RAIL	METER SERVICE ⊗	STREET NAME. 127TH ST. (BURR OAK AVE.)
DATE DRAWN. 08/31/2012	10-08-12 GRN	CSX TRANSPORTATION	invensys Rail	CSX ROW	O.H. POWER	POLE Ⓟ	CITY & STATE. BLUE ISLAND, IL
DRAWN BY. LEWIS, CLINT	12-12-12 SWS	RAIL TRANSPORT GROUP ENGINEERING	7775 BAYMEADOWS WAY	R/R POLELINE	FENCE	FIRE PLUG Ⓕ	PROJECT #. IL2012035
CHECKED BY. WILTSIE, JOE	- -	COMMUNICATIONS AND SIGNALS	SUITE 250	GAS	WATER	SEWER CAP Ⓢ	OP #. IL0381
SSC #. JXXD03179	- -		JACKSONVILLE, FL 32256	FIBER OPTIC	SEWER	GAS VENT Ⓥ	DOT #. 163419K

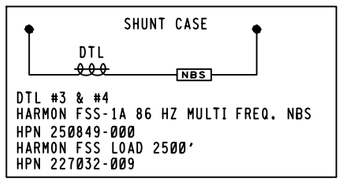
PROPOSED CROSSING LAYOUT
1"=20'



NOTES:
1. (✕) = LOCATION OF HOUSE
2. [ ] = TAGGING PURPOSES ONLY



DTL #1 & #2
HARMON FSS-1A 86 HZ MULTI FREQ. NBS
HPN 250849-000
HARMON FSS LOAD 2500'
HPN 227032-009



DTL #3 & #4
HARMON FSS-1A 86 HZ MULTI FREQ. NBS
HPN 250849-000
HARMON FSS LOAD 2500'
HPN 227032-009

invensys Rail

PROJ #: IL2012035
DES BY: S. SPENCE
CHK BY: D. ALBRIGHT
DATE: 12-10-12

= IN
= OUT

CSX TRANSPORTATION
RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS

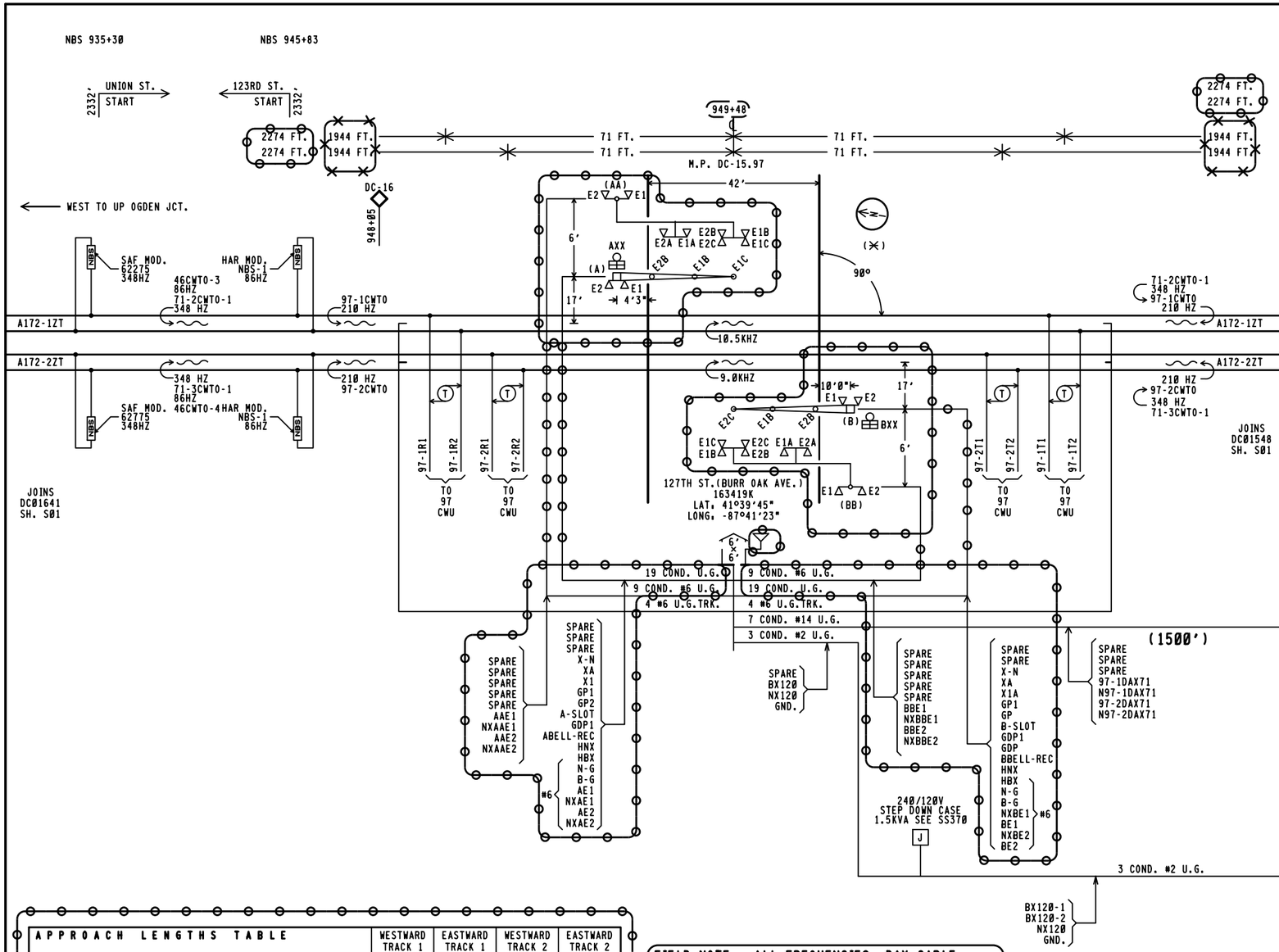
BLUE ISLAND JCT. TO ROCKWELL ST.

GEO REPEATER

TRACK AND SIGNAL PLAN
M.P. DC-16.41

DESIGNED	DIGITIZED	CHECKED	DATE
SWE/ATS	SWE/JFW	SWE/JLM	04-08-04

DESIGN DATE	REV. NO.	DRAWING	SHEET NO	FILE	SHEET
04-08-04	1			DC01641	S01



APPROACH LENGTHS TABLE DC, AFO, TYPE C, MOTION, CWT, OR OTHER	WESTWARD TRACK 1 CWT	EASTWARD TRACK 1 CWT	WESTWARD TRACK 2 CWT	EASTWARD TRACK 2 CWT
STANDARD MINIMUM WARNING TIME IN SECONDS	25	25	25	25
ROADWAY GATE TIME IN SECONDS	5	5	5	5
CLEARANCE TIME IN SECONDS	1	1	1	1
DOT TRAFFIC LIGHT SIMULTANEOUS PREEMPT TIME IN SECONDS ✳	0	0	0	0
DESIGNED WARNING TIME FOR TRAINS AT TIME TABLE SPEED	31 SEC.	31 SEC.	31 SEC.	31 SEC.
DOT TRAFFIC LIGHT ADVANCE PREEMPT TIME IN SECONDS ✳	0	0	0	0
CONTROL EQUIPMENT DECISION TIME IN SECONDS	4	4	4	4
DESIGNED DETECTION TIME FOR TRAINS AT TIME TABLE SPEED	35 SEC.	35 SEC.	35 SEC.	35 SEC.
TIME TABLE MAXIMUM TRAIN SPEED IN MILES PER HOUR	40	40	40	40
BUFFER SPEED IN MILES PER HOUR	5	5	5	5
TOTAL WARNING SYSTEM DESIGN SPEED IN MILES PER HOUR	45	45	45	45
APPROACH DISTANCE TO ISLAND EDGE IN FEET	2274	2274	2274	2274
HALF WIDTH OF ISLAND IN FEET	71	71	71	71
APPROXIMATE MILE POSTS FOR APPROACH CIRCUIT	16.41	15.53	16.41	15.53

✳AUTHORIZING AGENCY. NONE
✳DATE OF REQUIREMENT. NONE
✳AMOUNT OF TIME (SEC.). NONE

FIELD NOTE. ALL FREQUENCIES, DAX CABLE, POWER CABLE, & TRANSFORMER INSTALLED UNDER IL2006019.

NOTES.

1. 12" LED MAXIMUM CURRENT 1.0A
   LED GATE ARM LIGHTS .3A MAXIMUM
2. GATE LENGTH (A) 24' (B) 24'
   CANTILEVER LENGTH (AA) 20' (BB) 20'
3. (✳) = LOCATION OF HOUSE
4. (N) = APPROXIMATE COMPASS NORTH.
5. TRANSMITTER LEADS FOR MOTION OR PREDICTOR EQUIPMENT SHOULD BE CONNECTED ON THE BUNGALOW OR SHORT LEAD SIDE OF THE CROSSING.
6. ISLAND TRACK LEADS SHOULD BE CONNECTED 50 FEET FROM ROAD EDGE BUT ON NARROW ROADS (20' OR LESS) ISLAND LENGTH SHALL BE 120 FEET.
7. WARNING SYSTEM APPROACH CIRCUIT DISTANCES ARE TO BE MEASURED FROM THE ISLAND TRACK CONNECTIONS.

REVISIONS

07-09-2001 SWE	IL1999040/IL2000030/IL2000031
05-27-03 SWE	IL2002022
10-13-04 SWE	IL2003032

NEW SHEET

invensys Rail

PROJ #. IL2012035
DES BY. S. SPENCE
CHK BY. D. ALBRIGHT
DATE. 12-10-12

= IN
= OUT
= EXISTING
= NOTE

CSX TRANSPORTATION
RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS

127TH ST. (BURR OAK AVE.) 163419K

TRACK AND SIGNAL PLAN AT
BLUE ISLAND, IL M.P. DC-15.97

DESIGNED	DIGITIZED	CHECKED	DATE
IRC/SWS	IRC/SWS	IRC/DBA	12-10-12
NEXT FILE	NEXT SH	FILE	SHEET
DC01597	E01	DC01597	S01 (A)

3000 GCP APPLICATION DESIGN CARD

EQUIPMENT: 3000 [ ] 3000D2 [x]
3000ND [ ] 3000ND2 [ ]

ISLAND FREQUENCY: T1: 10.5 KHZ T2: 9.0 KHZ 97 CWU

NUMBER OF TRACKS (NUMBER OF TRANSCEIVER MODULES, 1 OR 2		1 [ ]	2 [x]
FREQUENCY (MS/GCP)		210 HZ	
UNIDIRECTIONAL/BIDIRECTIONAL.....	T1:	UNI [ ]	BI [x]
	T2:	UNI [ ]	BI [x]
XMIT LEVEL	T1:	HI [x]	MED [ ]
	T2:	HI [x]	MED [ ]
PREDICTOR/MOTION SENSOR	T1:	PRED [x]	MS [ ]
	T2:	PRED [x]	MS [ ]
WARNING TIME SELECTED	T1:	~~30~~	31 SEC.
	T2:	~~30~~	31 SEC.
APPROACH DISTANCE SELECTED	T1:	~~1944~~	~~2274~~ FT.
	T2:	~~1944~~	~~2274~~ FT.
APPROACH DISTANCE COMPUTED	T1:	NOT REQUIRED *	
	T2:	NOT REQUIRED *	
UAX PICKUP DELAY (0 = OFF)		~~25~~ SEC.	
ENA/UAX2 PICKUP DELAY (0 = ENABLE)..		~~25~~ SEC.	
ISLAND DISTANCE (BETWEEN FEED WIRES)	T1:	120 FT.	
	T2:	120 FT.	
NUMBER OF DAXS		0 [x] 1 [ ] 2 [ ] 3 [ ] 4 [ ]	
DAX A TRACK ASSIGNMENT		T1 [ ]	T2 [ ]
DAX A DISTANCE (0 = PREEMPT).....		FT.	
DAX A WARNING TIME		SEC.	
DAX B TRACK ASSIGNMENT		T1 [ ]	T2 [ ]
DAX B DISTANCE (0 = PREEMPT).....		FT.	
DAX B WARNING TIME.....		SEC.	
DAX C TRACK ASSIGNMENT		T1 [ ]	T2 [ ]
DAX C DISTANCE (0 = PREEMPT).....		FT.	
DAX C WARNING TIME		SEC.	
DAX D TRACK ASSIGNMENT		T1 [ ]	T2 [ ]
DAX D DISTANCE (0 = PREEMPT).....		FT.	
DAX D WARNING TIME.....		SEC.	
SLAVING MASTER/SLAVE		MASTER [x]	SLAVE [ ]
PASSWORD ENABLED		DISABLED [x]	ENABLED [ ]
RECORDER INSTALLED		NOT INSTALLED [x]	INSTALLED [ ]
RS-232-C BAUD RATE		BPS	
RS-232-C DATE BITES.....		7 [ ]	8 [ ]
RS-232-C STOP BITS		1 [ ]	2 [ ]
RS-232-C PARITY		NONE [ ]	MARK [ ]
		ODD [ ]	SPACE [ ]
		EVEN [ ]	
DATE (E.G.,MON 13 MAY 1991) ..		NOT REQUIRED *	
TIME (E.G.,06:25:43 PM)		NOT REQUIRED *	
DAYLIGHT SAVINGS		ON [ ]	OFF [x]

* PROGRAMMED AT INSTALLATION DURING CALIBRATION PROCEDURE
☆ = (FOR INFORMATION ONLY 120' MIN.) NO ENTRY NEEDED

EXPANDED PROGRAMMING DESIGN

SWITCH TO MS (ENTER EZ VALUE).....	T1:	10	EZ
	T2:	10	EZ
TRANSFER DELAY MS TO GCP (0 = OFF)..	T1:	0	SEC.
	T2:	0	SEC.
PRIME PREDICTION OFFSET (0 = OFF)....	T1:	0	FT.
	T2:	0	FT.
PICKUP DELAY PRIME		15	SEC.
PICKUP DELAY DAX A		N/A	SEC.
PICKUP DELAY DAX B		N/A	SEC.
PICKUP DELAY DAX C		N/A	SEC.
PICKUP DELAY DAX D		N/A	SEC.
COMPENSATION VALUE	T1:	NOT REQUIRED **	
COMPENSATION VALUE	T2:	NOT REQUIRED **	

** THE COMPENSATION VALUE IS PROVIDED BY THE 3000 GCP SYSTEM AND NO ADDITIONAL PROGRAMMING IS NORMALLY REQUIRED.

invensys Rail

PROJ #: IL2012035
DES BY: S. SPENCE
CHK BY: D. ALBRIGHT
DATE: 12-10-12

~~000~~ = IN
~~XXX~~ = OUT

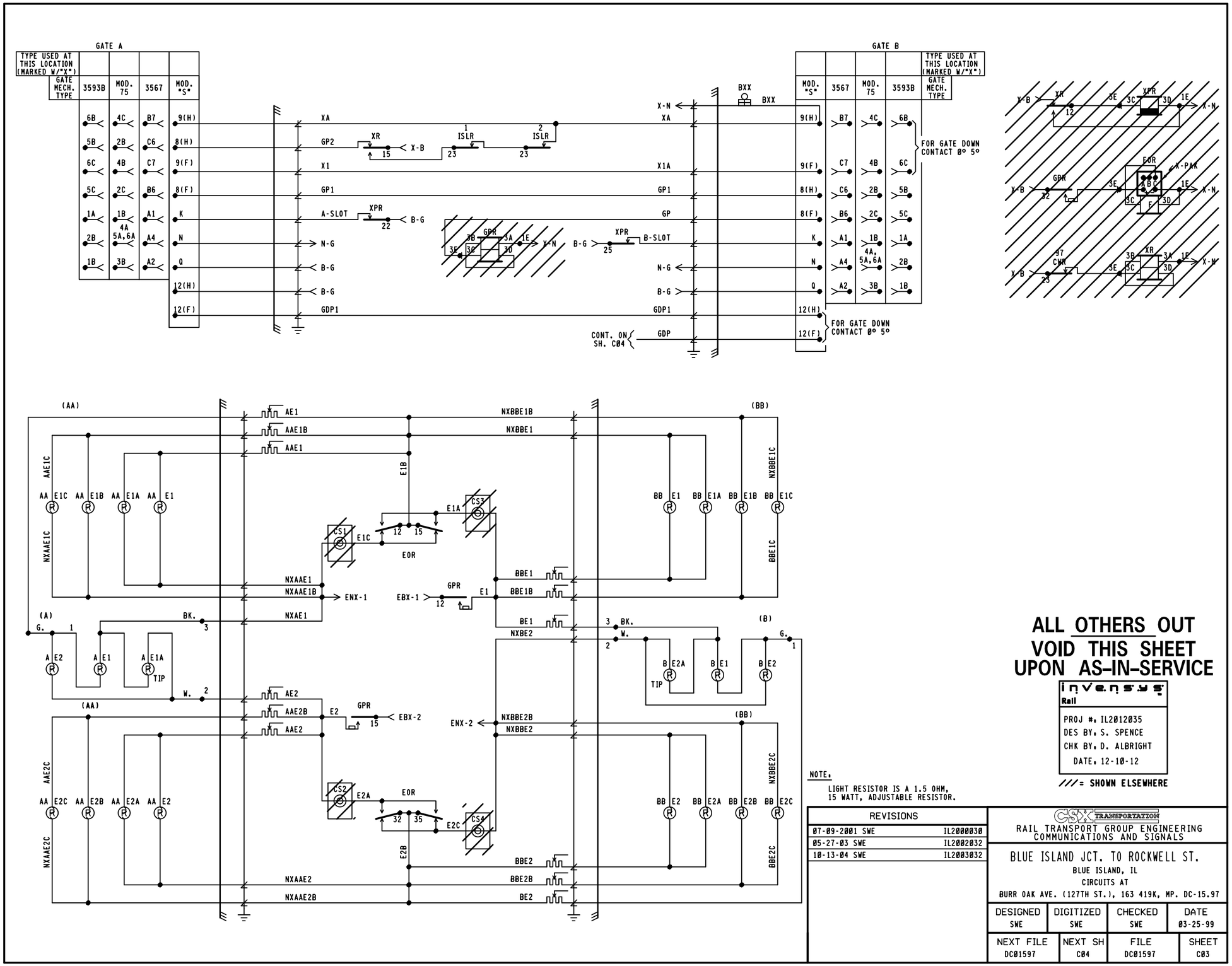
REVISIONS	
07-09-2001 SWE	IL2000030
05-27-03 SWE	IL2002032

CSX TRANSPORTATION
RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS

BLUE ISLAND JCT. TO ROCKWELL ST.
BLUE ISLAND JCT. TO ROCKWELL ST.
APPLICATION DESIGN CARD AT
BURR OAK AVE. (127TH ST.), 163 419K, MP. DC-15.97

DESIGNED	DIGITIZED	CHECKED	DATE
SWE	SWE	SWE	03-25-99

NEXT FILE	NEXT SH	FILE	SHEET
DC01597	C03	DC01597	C02



NOTE.

LIGHT RESISTOR IS A 1.5 OHM, 15 WATT, ADJUSTABLE RESISTOR.

ALL OTHERS OUT VOID THIS SHEET UPON AS-IN-SERVICE

invensys Rail

PROJ #. IL2012Ø35
DES BY. S. SPENCE
CHK BY. D. ALBRIGHT
DATE. 12-1Ø-12

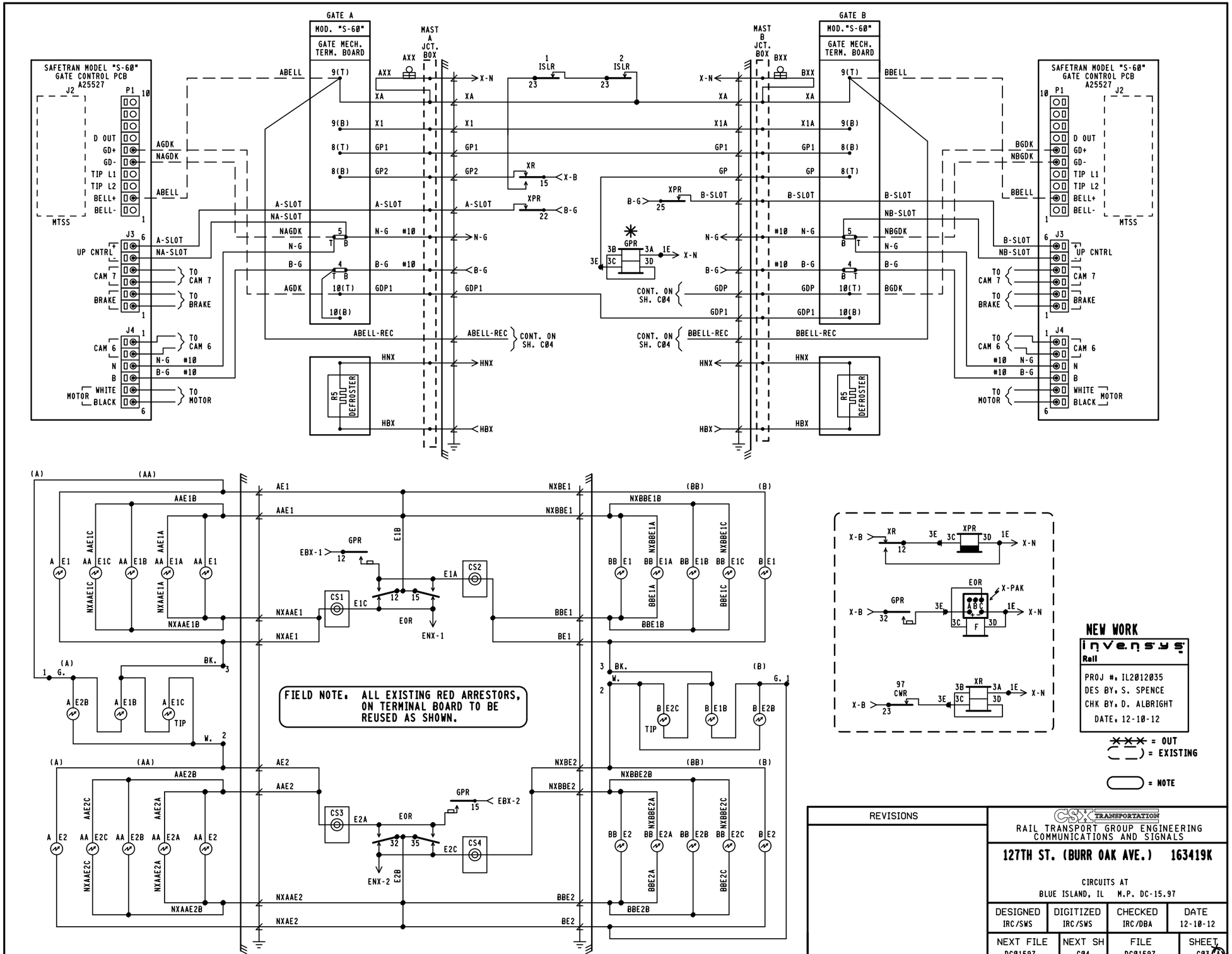
///= SHOWN ELSEWHERE

REVISIONS	
07-09-2001 SWE	IL2000030
05-27-03 SWE	IL2002032
1Ø-13-04 SWE	IL2003032

CSX TRANSPORTATION
RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS

BLUE ISLAND JCT. TO ROCKWELL ST.
BLUE ISLAND, IL
CIRCUITS AT
BURR OAK AVE. (127TH ST.), 163 419K, MP. DC-15.97

DESIGNED	DIGITIZED	CHECKED	DATE
SWE	SWE	SWE	Ø3-25-99
NEXT FILE	NEXT SH	FILE	SHEET
DCØ1597	CØ4	DCØ1597	CØ3


GATE A
MOD. "S-60"
GATE MECH. TERM. BOARD
MAST A JCT. BOX
MAST B JCT. BOX
GATE B
MOD. "S-60"
GATE MECH. TERM. BOARD
SAFETRAN MODEL "S-60" GATE CONTROL PCB A25527
MTSS
UP CNTRL
CAM 7
BRAKE
CAM 6
MOTOR
TO CAM 7
TO BRAKE
TO CAM 6
TO MOTOR
CONT. ON SH. C04
R5 DEFROSTER
FIELD NOTE: ALL EXISTING RED ARRESTORS, ON TERMINAL BOARD TO BE REUSED AS SHOWN.
NEW WORK
invensys Rail
PROJ #: IL2012035
DES BY: S. SPENCE
CHK BY: D. ALBRIGHT
DATE: 12-10-12
= OUT
= EXISTING
= NOTE
REVISIONS
CSX TRANSPORTATION
RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS
127TH ST. (BURR OAK AVE.) 163419K
CIRCUITS AT
BLUE ISLAND, IL M.P. DC-15.97
DESIGNED IRC/SWS
DIGITIZED IRC/SWS
CHECKED IRC/DBA
DATE 12-10-12
NEXT FILE DC01597
NEXT SH C04
FILE DC01597
SHEET C03 A