2009-83

Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

ORIGINAL

RECEIVED
NOV 12 2008
Illinois Commerce Commission
RAIL SAFETY SECTION

November 7, 2008

SUBJECT: PRELIMINARY ENGINEERING
Grade Crossing Agreement
FAP 325 (IL 16)
Section 09R-7-P1
Project No. RRS-0325(049)
Job No. C-97-013-09
Coles County

ICRR
DOT/AAR No. 292 954B
Mile Post 119.20
Agreement No. RR709013

Mr. John Henriksen
Manager Public Works
Illinois Central Railroad Company
17641 S Ashland Ave
Homewood, IL 60430-1345

X-12895

Dear Mr. Henriksen:

As requested by your October 8, 2008 letter, we are transmitting your company's original of the fully-executed agreement for the subject project.

The detailed estimate of cost in the total amount of $145,295.09, covering your force account work at the subject grade crossing, has been reviewed and is satisfactory.

Upon approval of a form 1 or form 3 petition by the Illinois Commerce Commission, your company is hereby authorized to assemble its materials and to proceed with its work as outlined on Exhibit A in the attached agreement.

Prior to scheduling actual construction activities, you are required to notify Mr. Ken Grove at our District Seven office in Effingham, Illinois, telephone (217) 342-8315, as specified on Exhibit A of the attached agreement.

This authorization to proceed is given with the condition that the NATIONAL GRADE CROSSING INVENTORY UPDATE FORM OMB-2130-0017 (FRA F-6180.71) be filed with the Director of Processing, Transportation Division, Illinois Commerce Commission within five days of the completion of the improvement at the crossing. Please also notify this office when your work is completed.

All bills for work performed at this location are to be forwarded to our district office, at the address listed above, for payment. Your bills must include all identification included in the subject of this letter.

Very truly yours,

Cheryl Cathey

Cheryl Cathey, P.E.
Chief of Preliminary Engineering
MWM:c\s:\gen\wpdocs\letters\412071.docx
cc: Roger L. Driskell (R-4) - Attn: Terri Petersen (D-7)
Debbie Marks-- Attn: Project Control
Michael E. Stead, ICC
Design & Environment File
Unit File

Route: **FAP 325 (IL 16)**
Section: **09R-7-P1**
County: **Coles**
Project: **RRS-0325(049)**
Job No: **C-97-013-09**
Agreement No: **RR709013**
DOT/AAR NO. **292 954B**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
AGREEMENT
for
Railway-Highway Grade Crossing
Improvements

THIS AGREEMENT made and entered into by and between the STATE OF ILLINOIS, Acting by and through its Department of Transportation, hereinafter referred to as the "STATE", and the **ILLINOIS CENTRAL RAILROAD COMPANY**, hereinafter referred to as the "COMPANY."

WITNESSETH:

WHEREAS, in the interest of public safety the STATE proposes to improve crossing warning signal devices at the location listed on Exhibit A, and as shown on the attached location map; and

WHEREAS, the parties mutually agree to accomplish the proposed improvements through the use of Federal and/or State funds which are provided under applicable Federal or State act, law or appropriation.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties hereto agree as follows:

SECTION 1. The project covered under this agreement shall be subject to all applicable Federal laws, rules, regulations, orders and approvals pertaining to all agreements, specifications, award of contracts, acceptance of work and procedure in general. The STATE and the COMPANY shall be governed by the applicable provisions of the Federal-Aid Policy Guide, Part 646, dated December 9, 1991, and any supplements or amendments thereto hereinafter referred to as the "Policy Guide".

SECTION 2. The COMPANY shall prepare the detailed plans (including surveys and other engineering services), and detailed estimates of cost. The detailed plans shall be submitted to the Illinois Commerce Commission (ICC) in accordance with Section 5 of this agreement and estimates shall be submitted to the STATE for their approval.

SECTION 3. The completed crossing warning devices shall conform to Part VIII of the 2003 Edition of the National Manual on Uniform Traffic Control Devices (MUTCD), including any amendments which may be contained in the Illinois Supplement to the MUTCD. Barrier systems, such as guardrail and impact attenuators should not be used at railroad grade crossings except in extraordinary circumstances. Approval for the erection of any roadside barrier by the COMPANY must be obtained in writing in advance from the STATE.

SECTION 4. All required installation work at the grade crossing(s) shall be performed by the COMPANY with its own forces or in accordance with 23 CFR, part 646.216. In the event the COMPANY intends to use forces other than its own under a continuing contract or contracts, the COMPANY shall provide the Department with a list of the items of work to be accomplished under such contract or contracts and a list of the name of each contractor whose services will be used to perform the work. Such contracts shall be in compliance with the Civil Rights Act of 1964 and implementing regulations applicable to Federal-Aid Projects as well as the Illinois Fair Employment Practices Act and implementing rules and regulations.

SECTION 5. The COMPANY will not begin to work without written authorization from the STATE to proceed. The COMPANY shall file a form 1 or form 3 Petition of Illinois Administrative Code 1535 with the Illinois Commerce Commission (ICC) showing details of the automatic warning devices herein required, and shall receive approval thereof by X-Resolution before commencing with the installation. Upon receipt of authorization from the STATE and the ICC, the COMPANY shall promptly begin the work set forth in the agreement and shall notify in writing the AGENCIES listed on EXHIBIT A before commencing work.

SECTION 6. The COMPANY, for performance of its work as herein specified, may bill the STATE monthly (in sets of two) for the STATE'S 100% share of the cost of materials purchased,

delivered and stored on the COMPANY'S property but not yet installed. The materials will become the property of the STATE and must be designated for exclusive use on the project designated on EXHIBIT A.

In the event of any loss of material after payment, the COMPANY will replace the material at no cost to the STATE. The storage area of such materials shall be available for STATE inspection upon 24-hour notice. The bill shall be accompanied by a voucher from the material supplier indicating payment by the COMPANY. Payment under this paragraph shall not be claimed for any bill totaling less than $500.

In the event the COMPANY fails to install the stored material within one year of the fully executed agreement date, the State may provide a written notice to the Company, requiring the COMPANY to promptly deliver the stored material to a location indicated in writing by the State. Upon delivery, the STATE shall then take possession of said material for the STATE'S own use. The delivery of the material to the STATE shall in no way serve to terminate this agreement or affect the other provisions of this agreement and in addition shall not affect the COMPANY'S right to claim payment for stockpiled material to replace that taken by the STATE.

SECTION 7. The COMPANY, for performance of its work as herein specified, may bill the STATE monthly (in sets of two) for the STATE'S 100% share of its expense as incurred. These progressive invoices may be rendered on the basis of the estimated percentage of the work completed, plus allowable FHWA approved additives. The STATE after verifying that the bills are reasonable and proper shall promptly reimburse the COMPANY for 100% of the amount billed. Payment under this paragraph shall not be claimed for any bill totaling less than $500. Upon completion of the project, the COMPANY shall provide the STATE with a written notification of the date of completion.The COMPANY, upon completion of its work, shall submit a complete and detailed final bill of all incurred costs to the STATE no later than one year from the date of completion of the project. Otherwise, previous payments to the COMPANY may be considered final, except as agreed to by the STATE and the COMPANY. After the STATE has checked the final statement and agreed with the COMPANY that the costs are reasonable and

properly set up, insofar as they are able to ascertain, the STATE shall then reimburse the COMPANY an amount, less previous payments, if any, equal to 100% of the amount billed. After the STATE has audited the expenses as incurred by the COMPANY and final inspection of the installation has been made, the STATE shall reimburse the COMPANY for any amount still owed to the COMPANY or bill the COMPANY for any overpayments or items of expense found as not being eligible for reimbursement.

The COMPANY shall maintain, for a minimum of 3 years after the date of the final bill, adequate books, records, and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records, and supporting documents related to the contract, which may be stored on electronic files, shall be available for review and may be audited by the AUDITOR GENERAL. The COMPANY agrees to cooperate fully with any audit conducted by the AUDITOR GENERAL and to provide full access to all relevant materials. Failure to maintain the books, records, and supporting documents required by this section shall establish a presumption in favor of the STATE for the recovery of any funds paid by the STATE under the contract for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

SECTION 8. The crossing warning signal system should be placed in service immediately after the installation is completed. The COMPANY shall notify the STATE in writing of the date of the completed installation. The STATE will perform a final inspection upon receiving the written notification.

SECTION 9. When construction of this project is completed, and so long as State law shall so require, the COMPANY shall maintain at its expense or, by agreement with others, provide for maintenance of the crossing warning signal devices.

SECTION 10. If at any time subsequent to the completion of this improvement, the tracks in the area of the crossing are eliminated for any reason whatsoever, then the said signal system may be removed, relocated and reinstalled at another grade crossing of the COMPANY mutually

designated and agreed to by the parties hereto and subject to the approval of the public authorities having any jurisdiction. The reinstalled signal system shall thereafter be subject to the terms of this agreement.

SECTION 11. In compliance with the Federal-Aid Policy Guide, dated December 9, 1991, Section 646.210, the railroad work as herein contemplated requires no contribution from the COMPANY.

SECTION 12. In the event that delays or difficulties arise in securing necessary federal or state approvals, or in acquiring rights-of way, or in settling damage claims, or for any other cause which in the opinion of the STATE render it impracticable to proceed with the construction of the project, then at any time before construction is started, the STATE may serve formal notice of cancellation upon the COMPANY and this agreement shall thereupon terminate. In the event of cancellation, the STATE shall reimburse the COMPANY for all eligible cost and expense incurred by the COMPANY prior to receipt of notice of cancellation and payment by the STATE.

SECTION 13. The COMPANY, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. The COMPANY shall carry out applicable requirements of 49 CFR part 26 in the award and administration of STATE-assisted contracts. Failure by the COMPANY to carry out these requirements is a material breach of this Agreement, which may result in the termination of this contract or such other remedy as deemed appropriate.

In the event any work is performed by other than COMPANY forces, the provisions of "an act regulating wages of laborers, mechanics and other workers employed in public works by the State, County, City or any public body or any political subdivision or by any one under contract for public works" (Illinois Compiled Statutes, 820 ILCS 130/1) shall apply.

SECTION 14. This agreement shall be binding upon the parties hereto, their successors or assigns.

SECTION 15. The COMPANY shall complete all work or shall be responsible that all work is completed by other forces within one year of the date of the fully executed agreement. In the event that all work cannot be completed within one year, the COMPANY shall notify the STATE in writing the cause for the delay before the one-year deadline has expired. Otherwise, the STATE will consider petitioning the Illinois Commerce Commission to order the work to be completed.

SECTION 16. At the time this Agreement was executed, there were funds available for the project; however, obligations assumed by the STATE under this Agreement shall cease immediately, without penalty or payment beyond that which the COMPANY has already accumulated, should the Illinois General Assembly or the Federal Highway Administration fail to appropriate or otherwise make available funds for the project.

SECTION 17. The "State Required Ethical Standards Governing Contract Procurement" attached hereto as Attachment A, is hereby made a part of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in duplicate by their duly authorized officers as of the dates below indicated.

By execution of this agreement and under penalties of perjury, the COMPANY certifies that its correct Federal Taxpayer Identification Number (TIN) is **36-2728842** and the COMPANY is doing business as a corporation.

Executed by the COMPANY this 24Th
day of October, 20 08.

ILLINOIS CENTRAL

RAILROAD COMPANY

By: Paul E Ladue
Name: PAUL E. Ladue
Title: Region Div. Contracts

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Executed by the STATE this 31st
day of October, 20 08.

By: Christine M Reed
Christine M. Reed, P.E.
Director of Highways
Chief Engineer

Date: 10/28/08

By: Milton R. Sees
Milton R. Sees, P.E.
Secretary of Transportation

Date: 10-31-08

ATTACHMENT A

STATE REQUIRED ETHICAL STANDARDS GOVERNING CONTRACT PROCURMENT

The certifications hereinafter made by the COMPANY are each a material representation of fact. The STATE may terminate the agreement if it is later determined that the COMPANY rendered a false or erroneous certification.

Bribery. Section 50-5 of the Illinois Procurement Code provides that: (a) no person or business shall be awarded a contract or subcontract under this Code who: (1) has been convicted under the laws of Illinois or any other state of bribery or attempting to bribe an officer or employee of the State of Illinois or any other state in that officer's or employee's official capacity; or (2) has made an admission of guilt of that conduct that is a matter of record but has not been prosecuted for that conduct.

No business shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of the business if the employee or agent is no longer employed by the business, and: (1) the business has been finally adjudicated not guilty; or (2) the business demonstrates to the governmental entity with which it seeks to contract, and that entity finds that the commission of the offense was not authorized, requested, commanded, or performed by a director, officer, or high managerial agent on behalf of the business as provided in paragraph (2) of subsection (a) of Section 5-4 of the Criminal Code of 1961.

For purposes of this Section, when an official, agent, or employee of a business committed the bribery or attempted bribery on behalf of the business and in accordance with the direction or authorization of a responsible official of the business, the business shall be chargeable with the conduct.

Every bid submitted to and contract executed by the State shall contain a certification by the COMPANY that it is not barred from being awarded a contract or subcontract under this Section. A COMPANY who makes a false statement, material to the certification, commits a Class 3 felony. The COMPANY certifies that it is not barred from being awarded a contract under Section 50-5.

Educational Loan. The Educational Loan Default Act provides that no State agency shall contract with an individual for goods or services if that individual is in default, as defined by Section 2 of this Act, on an educational loan. Any contract used by a State agency shall include a statement certifying that the individual is not in default on an educational loan as provided in this Section.

Bid Rigging/Bid Rotating. Section 33E-11 of the Criminal Code of 1961 provides: (a) that every bid submitted to and public contract executed pursuant to such bid by the State or a unit of local government shall contain a certification by the COMPANY that it is not barred from contracting with any unit of State or local government as a result of a violation of either Section 33E-3 or 33E-4 of the Code. The state and units of local government shall provide appropriate forms for such certification.

A COMPANY that makes a false statement, material to the certification, commits a Class 3 felony.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation, and: (1) it has been finally adjudicated not guilty, or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer, or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty, or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer, or a high managerial agent in behalf of the corporation.

The COMPANY certifies that it is not barred from contracting with the Department by reason of a violation of either Section 33E-3 or Section 33E-4.

International Anti-Boycott. Section 5 of the International Anti-Boycott Certification Act provides that every contract entered into by the State of Illinois for the manufacture, furnishing, or purchasing of supplies, material, or equipment or for the furnishing of work, labor, or services, in an amount exceeding the threshold for small purchases according to the purchasing laws of this State or $10,000, whichever is less, shall contain certification, as a material condition of the contract, by which the COMPANY agrees that neither it nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act. The COMPANY makes the certification set forth in Section 5 of the Act.

Drug Free Workplace. The Illinois Drug Free Workplace Act applies to this contract and it is necessary to comply with the provisions of the Act if the COMPANY is a corporation, partnership, or other entity (including a sole proprietorship) which has 25 or more employees.

The COMPANY certifies that if awarded a contract in excess of $5,000 it will provide a drug free workplace by: (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, including cannabis, is prohibited in the COMPANY's workplace; specifying the actions that will be taken against employees for violations of such prohibition; and notifying the employee that, as a condition of employment on such contract, the employee shall abide by the terms of the statement, and notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction; (b) Establishing a drug free awareness program to inform employees about the dangers of drug abuse in the workplace; the COMPANY's policy of maintaining a drug free workplace; any

available drug counseling, rehabilitation, and employee assistance programs; and the penalties that may be imposed upon employees for drug violations; (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract and to post the statement in a prominent place in the workplace; (d) Notifying the Department within ten (10) days after receiving notice from an employee or otherwise receiving actual notice of the conviction of an employee for a violation of any criminal drug statute occurring in the workplace; (e) Imposing or requiring, within thirty (30) days after receiving such notice from an employee of a conviction or actual notice of such a conviction, an appropriate personnel action, up to and including termination, or the satisfactory participation in a drug abuse assistance program approved by a federal, state, or local health, law enforcement, or other appropriate agency; (f) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation is required and indicating that a trained referral team is in place; (g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the actions and efforts stated in this certification.

Delinquent Payment. The COMPANY certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with a State agency if it, or any affiliate, has failed to collect and remit Illinois Use tax on all sales of tangible property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The COMPANY further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the COMPANY, or any affiliate, is determined to be delinquent in the payment of any debt to the State during the term of the contract.

Felony Convictions. The COMPANY certifies in accordance with 30 ILCS 500/50-10.5 that no officer, director, partner or other managerial agent of the contracting business has been convicted of a felony under the Sarbanes-Oxley Act of 2002 or of a Class 3 or Class 2 felony under the Illinois Security Law of 1953 for a period of five years prior to the date of the AGREEMENT. The COMPANY acknowledges that the DEPARTMENT shall declare the contract void if this certification is false.

Environmental Protection Act. The COMPANY certifies in accordance with 30ILCS 500/50-12 that the COMPANY is not barred from being awarded a contract under this Section. The COMPANY acknowledges that the DEPARTMENT may declare the contract void if this certification is false.

Route **FAP 325 (IL 16)**
Section **09R-7-P1**
County **COLES**
Project **RRS-0325(049)**
Job No **C-97-013-09**
Agreement No **RR709013**

EXHIBIT A

CROSSING IDENTIFICATION:

Railroad: **ILLINOIS CENTRAL RAILROAD COMPANY**

DOT/AAR # **292 954B** RR M.P.: **119.20**

Roadway : **ILLINOIS ROUTE 16**

Location: **MATTOON, ILLINOIS**

EXISTING CONDITIONS:

Automatic flashing lights only.

DESCRIPTION OF WORK TO BE DONE BY RAILROAD FORCE ACCOUNT:

1. **Upgrade circuitry and install new flashing LED gate mechanisms.**
2. **Provide all Traffic Control necessitated by the project.**
3. **Incidental work necessary to complete the items hereinabove specified.**

DESCRIPTION OF WORK TO BE DONE BY THE STATE:

1. **Provide construction engineering**
2. **Incidental work necessary to complete the items hereinabove specified.**

ATTACHMENTS:
Location Map; COMPANY's Estimate

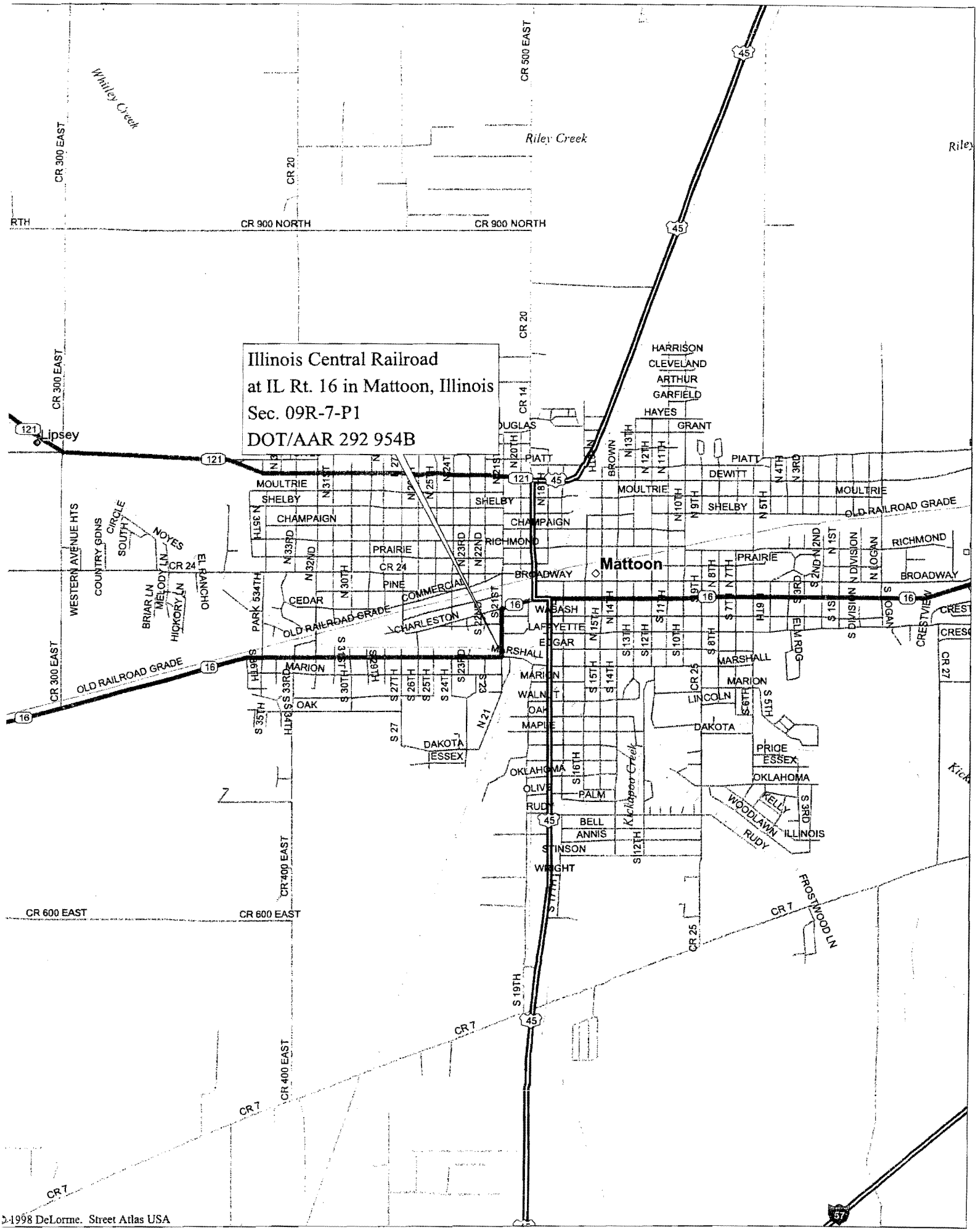
RAILROAD ESTIMATED COST: $ ~~71,146.00~~ 145,295.09
100% Federal participation

AGENCIES TO BE NOTIFIED BEFORE COMMENCING WORK:

Mr. Ken Grove **(217) 342-8315**
IDOT – District 7
400 West Wabash
Effingham, IL 62401

SUBMIT ALL BILLS FOR THE STATE'S 100% SHARE TO:

SAME AS ABOVE


Illinois Central Railroad
at IL Rt. 16 in Mattoon, Illinois
Sec. 09R-7-P1
DOT/AAR 292 954B
Mattoon
Lipsey
Whitley Creek
Riley Creek
Kickapoo Creek
CR 900 NORTH
CR 600 EAST
CR 300 EAST
CR 400 EAST
CR 500 EAST
CR 20
CR 14
CR 24
CR 25
CR 27
CR 7
OLD RAILROAD GRADE
HARRISON
CLEVELAND
ARTHUR
GARFIELD
HAYES
GRANT
DOUGLAS
PIATT
DEWITT
MOULTRIE
SHELBY
CHAMPAIGN
PRAIRIE
RICHMOND
BROADWAY
CEDAR
PINE
COMMERCIAL
CHARLESTON
WABASH
LAFAYETTE
EDGAR
MARSHALL
MARION
WALNUT
OAK
MAPLE
DAKOTA
ESSEX
OKLAHOMA
OLIVE
PALM
RUDY
BELL
ANNIS
STINSON
WRIGHT
LINCOLN
PRIDE
KELLY
WOODLAWN
ILLINOIS
WESTERN AVENUE HTS
COUNTRY GDNS
CIRCLE
SOUTH
NOYES
EL RANCHO
BRIAR LN
MELODY LN
HICKORY LN
PARK 534TH
FROSTWOOD LN
CRESTVIEW
ELM RIDGE
S DIVISION
N DIVISION
N LOGAN
S LOGAN
© 1998 DeLorme. Street Atlas USA

ILLINOIS CENTRAL RAILROAD COMPANY

A WHOLLY OWNED SUBSIDIARY OF

CANADIAN NATIONAL RAILWAY COMPANY

HIGHWAY/RAIL GRADE CROSSING SIGNAL ESTIMATE

Roadway Name: 21st Street - IL Route 16
Nearest Station: Mattoon, IL
Railroad Region: Southern
Railroad Subdivision: Peoria
Railroad Milepost: B 119.20
DOT Crossing No.: 292 954B
Valuation Section: IL-2

Date: September 4, 2008

Est 1047-802

Prepared by: WCR

Description of Work: Signal work to add Gates.

MATERIAL:

Item	Quantity	Units	Unit Cost	Cost
Landfill	1	LOT	$ 1,000.00	$ 1,000.00
Misc. Signal Material	1	LOT	$ 2,000.00	$ 2,000.00
CROSSING MATERIALS PACKAGE				
GCP4000, 1 Trk, Non-Redundant	1	EACH	$ 16,500.00	$ 16,500.00
Intelligent Current Sensor, 80271	2	EACH	$ 470.00	$ 940.00
Narrow Band Shunt, 62775-3497	1	EACH	$ 466.00	$ 466.00
Narrow Band Shunt, 62775-1543	1	EACH	$ 566.00	$ 566.00
Rectifier, NRS 15110, 20A	1	EACH	$ 500.00	$ 500.00
Rectifier, NRS 18120, 40A	1	EACH	$ 700.00	$ 700.00
LED Flasher & Gate Assembly, 2-Way	2	EACH	$ 7,800.00	$ 15,600.00
Arm, E-Z Gate, 16-32'	2	EACH	$ 705.00	$ 1,410.00
Gatekeeper	2	EACH	$ 1,410.00	$ 2,820.00
Bell, Electronic	1	EACH	$ 385.00	$ 385.00
Battery, Ni-Cad, 240 AH	11	EACH	$ 275.00	$ 3,025.00
Battery, Ni-Cad, 340 AH	9	EACH	$ 390.00	$ 3,510.00
Enclosure, Shunt	1	EACH	$ 712.00	$ 712.00
Foundation, S-2	2	EACH	$ 550.00	$ 1,100.00
Pre-Wired Aluminum Bungalow, 6X6'	1	EACH	$ 16,475.00	$ 16,475.00
Wire, 2c/6, T10456	300	FEET	$ 1.87	$ 561.00
Cable, 3c/6 TECK, T10458	100	FEET	$ 5.09	$ 509.00
Cable, 7c/6,9c/14, T12481	300	FEET	$ 7.89	$ 2,367.00
				=========
SUBTOTAL MATERIAL				$ 71,146.00

LABOR:

SIGNAL LABOR

Item	Gang Days	Cost/Day	Cost
5-man Gang	12	$ 1,300.00	$ 15,600.00
			=========
SUBTOTAL SIGNAL LABOR			$ 15,600.00

MISCELLANEOUS LABOR

Item	Quantity	Units	Unit Cost	Cost
Preliminary Engineering	1	L.S.	$ 2,500.00	$ 2,500.00
Construction Engineering	1	L.S.	$ 275.00	$ 275.00
Accounting	1	L.S.	$ 300.00	$ 300.00
				=========
SUBTOTAL MISCELLANEOUS LABOR				$ 3,075.00
				=========
TOTAL LABOR				$ 18,675.00

OTHER

Item	Quantity	Units	Unit Cost	Cost
Per Diem/Business Expense	1	L.S.	$ 7,200.00	$ 7,200.00
Contractor/Rented Equipment	1	L.S.	$ 2,400.00	$ 2,400.00
Sales Tax on Material	1	L.S.	$ 7,114.60	$ 7,114.60
Contract-Crossing System Wiring	1	L.S.	$ 6,000.00	$ 6,000.00
Freight on Crossing Package	1	L.S.	$ 3,300.00	$ 3,300.00
Contract Engineering	1	L.S.	$ 7,000.00	$ 7,000.00
Power Tap	1	L.S.	$ 3,000.00	$ 3,000.00
				=========
TOTAL OTHER				$ 36,014.60
				=========
TOTAL DIRECT COSTS				$ 125,835.60

FAPG ADDITIVES

Material	$ 71,146.00		
Material Additive (4.20%)		$	2,988.13
Signal Labor	$ 15,600.00		
Signal Labor Additive (89.34%)		$	13,937.04
Engineering Labor	$ 2,775.00		
Engineering Labor Additive (83.29%)		$	2,311.30
Accounting Labor	$ 300.00		
Accounting Labor Additive (74.34%)		$	223.02
Other	$ 36,014.60		
	=========		=========
TOTAL DIRECT COSTS	$ 125,835.60		
TOTAL FAPG ADDITIVES		$	19,459.49
			=========
GRAND TOTAL FAPG BASIS		$	145,295.09

PRELIMINARY MATERIAL LIST - MATTOON, IL – 21ST ST – IL RTE 16	IC-119.20-B	DOT-292 954B

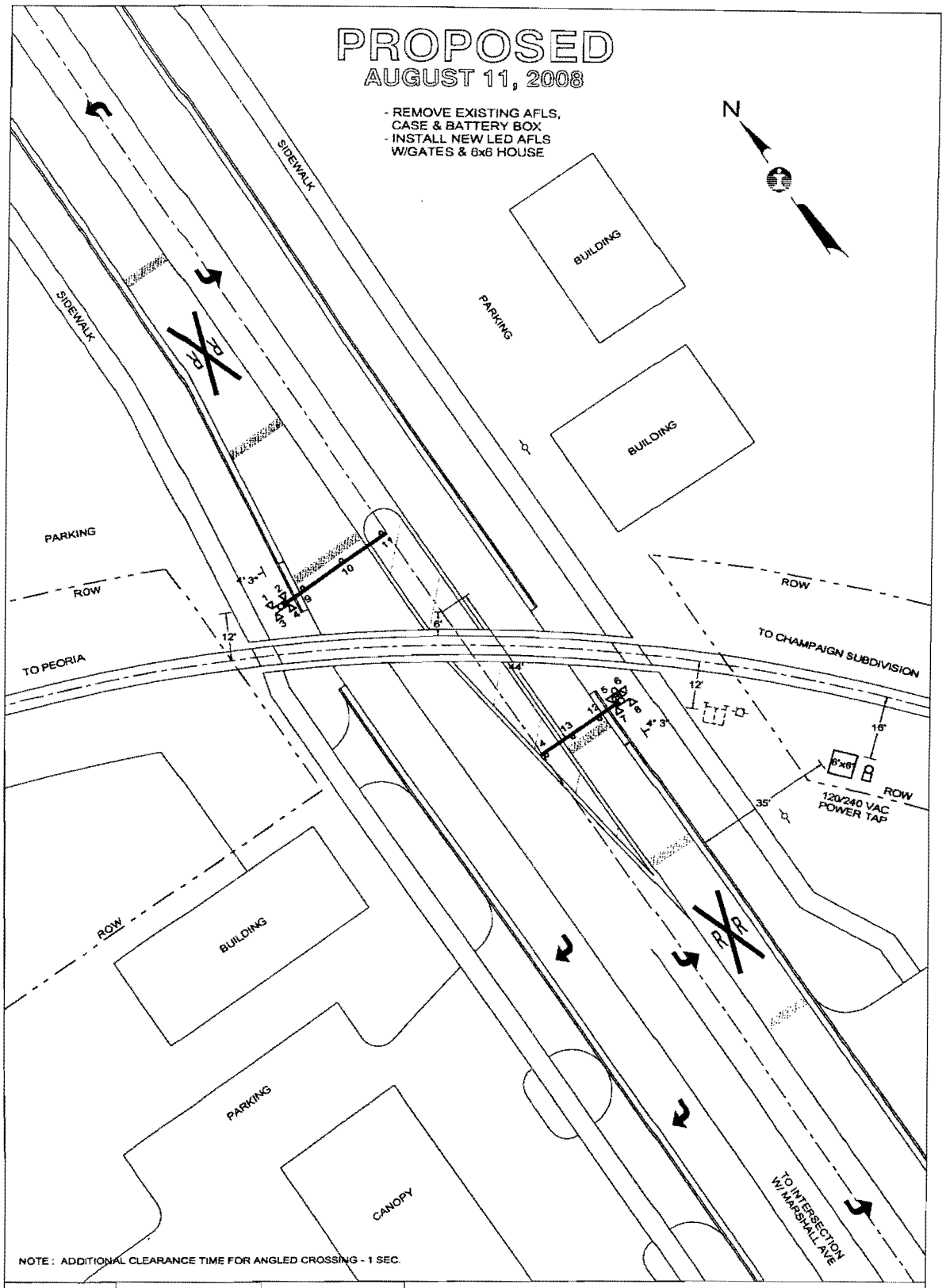
ITEM DESCRIPTION	QUANTITY	UNIT
HOUSE, 6x6	1	EACH
GCP4000 1TK NON-REDUNDANT	1	EACH
ILOD, A80271	2	EACH
RECTIFIER, NRS, 20A	1	EACH
RECTIFIER, NRS, 40A	1	EACH
GATE ASSEMBLY, 2 WAY, LED	2	EACH
GATEKEEPER	2	EACH
GATE ARM, 16-32FT	2	EACH
BELL, ELECTRONIC	1	EACH
FOUNDATION, S2	2	EACH
NARROW-BAND SHUNT, 62775-3497	1	EACH
ENCLOSURE, SHUNT	1	EACH
BATTERY, NI-CAD, 240AH	11	EACH
BATTERY, NI-CAD, 340AH	9	EACH
LANDFILL ($1000)	1	LOT
POWER TAP ($3000)	1	EACH
2/6 UGC	300	FT
3/6 UGC	100	FT
16C UGC	300	FT
LABOR	12	DAYS

A. V. SKRODAL AUG 11, 2008

PER K.W. HAMM - KEN GROVE - IDOT REQUEST

PROPOSED
AUGUST 11, 2008

- REMOVE EXISTING AFLS, CASE & BATTERY BOX
- INSTALL NEW LED AFLS W/GATES & 6x6 HOUSE



NOTE : ADDITIONAL CLEARANCE TIME FOR ANGLED CROSSING - 1 SEC.

QUADRANT	NW	SE
STANDARD AFLS	LED	LED
CANTILEVER, FT.	-	-
GATE, FT.	32	24
ADDED LIGHTS	-	-
BARRICADE	-	-
MULTI-TK SIGN	-	-
BELL	-	X
REVISIONS		

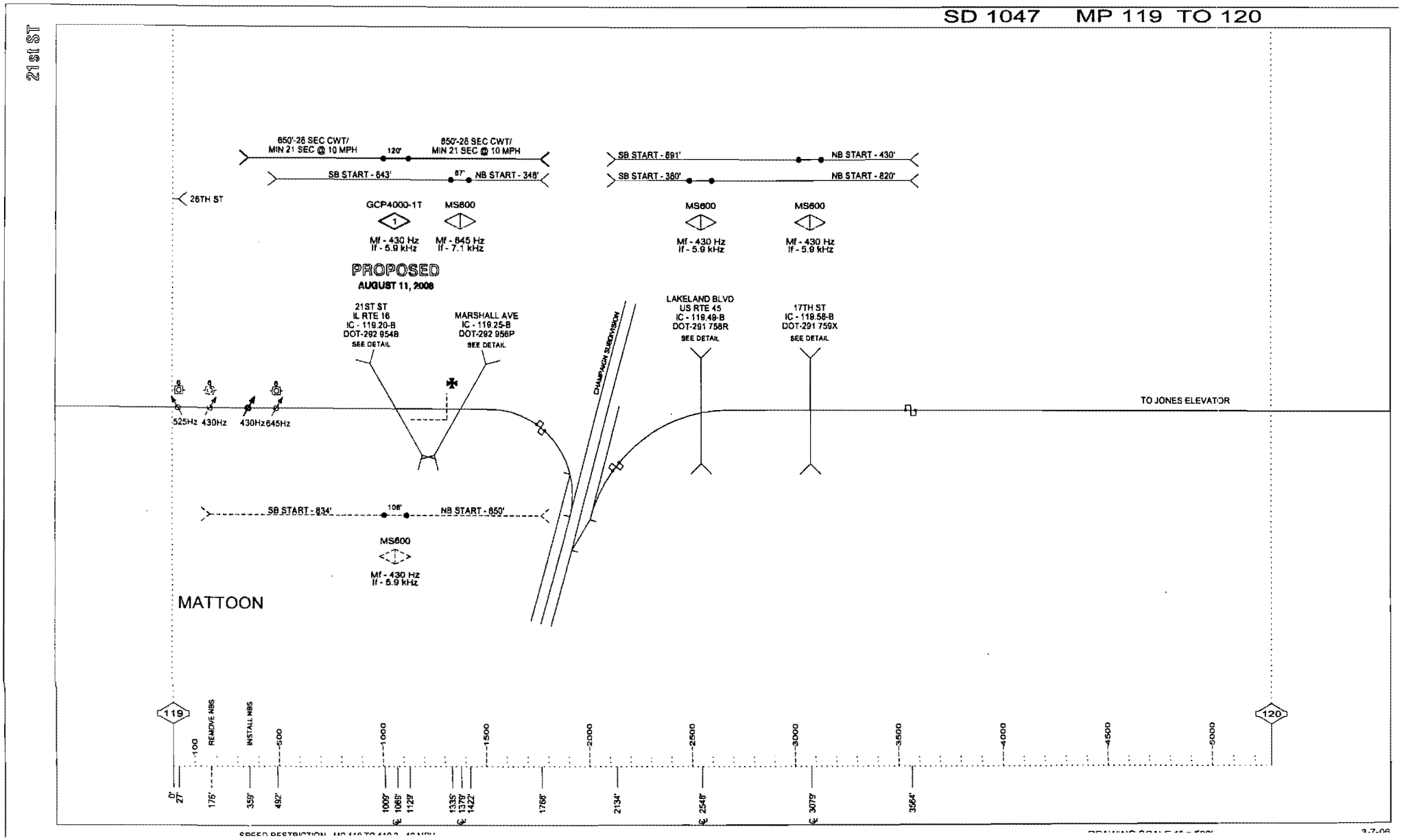
E:\DWG\PEO\11920X.CAD

CN

SIGNALS & COMMUNICATIONS, ENGINEERING DEPARTMENT

CITY & STATE: MATTOON, IL	SD 1047 X
CROSSING: 21st ST - IL RTE 16	DATE: AUGUST 11, 2008
IC - 119.20-B	DOT - 292 954B
MIDWEST DIVISION	PEORIA SUBDIVISION

IN SERVICE	SCALE	DRAWN BY
11/18/1980	1"=30'	AVS


SD 1047 MP 119 TO 120
21st ST
650'-28 SEC CWT/
MIN 21 SEC @ 10 MPH
120'
650'-28 SEC CWT/
MIN 21 SEC @ 10 MPH
SB START - 843'
87'
NB START - 348'
SB START - 891'
NB START - 430'
SB START - 380'
NB START - 820'
26TH ST
GCP4000-1T
MS600
Mf - 430 Hz
If - 5.9 kHz
Mf - 645 Hz
If - 7.1 kHz
MS600
Mf - 430 Hz
If - 5.9 kHz
MS600
Mf - 430 Hz
If - 5.9 kHz
PROPOSED
AUGUST 11, 2008
21ST ST
IL RTE 16
IC - 119.20-B
DOT-292 954B
SEE DETAIL
MARSHALL AVE
IC - 119.25-B
DOT-292 956P
SEE DETAIL
CHAMPAIGN SUBDIVISION
LAKELAND BLVD
US RTE 45
IC - 119.49-B
DOT-291 758R
SEE DETAIL
17TH ST
IC - 119.58-B
DOT-291 759X
SEE DETAIL
TO JONES ELEVATOR
525Hz 430Hz
430Hz 645Hz
SB START - 834'
108'
NB START - 850'
MS600
Mf - 430 Hz
If - 5.9 kHz
MATTOON
119
120
REMOVE NBS
INSTALL NBS
-100
-500
-1000
-1500
-2000
-2500
-3000
-3500
-4000
-4500
-5000
0'
27'
176'
359'
492'
1009'
1065'
1129'
1335'
1379'
1422'
1758'
2134'
2548'
3079'
3564'