



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 2, 2002

SUBJECT: PRELIMINARY ENGINEERING

Grade Crossing Agreement

FAU Route 7123 (IL 10 @ Duncan Road)

Section 4RS-5 & (32R-1)RS-1

Contract No. 90734

Job No. C-95-029-95

Champaign County

Illinois Central Railroad

DOT/AAR No. 291 051L

DOT/AAR No. 291 050E

DOT/AAR No. 313 635U

Agreement No. RR-5-02-002

Mr. Thomas R. Zeinz  
Manager Engineering Services  
Illinois Central Railroad  
17641 Ashland Avenue  
Homewood, Illinois 60430

Dear Mr. Zeinz:

As requested by your April 12, 2002 letter, we are transmitting your Company's original fully-executed Project Notice for the subject project.

The detailed estimate of cost in the total amount of \$225,491.00 covering your force account work at the subject grade crossing has been reviewed and is satisfactory.

Your Company is hereby authorized to assemble its materials and to proceed with its work as outlined under the terms of our Project Notice.

At present, the following prefabricated crossings have been accepted by IDOT for use:

Prefabricated concrete

1. OMNI Standard Concrete
2. StarTrack II
3. KSA (full-width)
4. Premier Advanced Panel  
(non-clad, lag-down model only)
5. American Concrete (framed,  
Lagless)
6. Century (framed, lagged)

prefabricated rubber

1. Hi-Rail
2. OMNI Steel Reinforced (Redhawk)
3. OMNI Heavy Duty  
(full-depth, Redhawk)

Please advise which material will be installed.

EXHIBIT # 4

Mr. Thomas R. Zeinz  
Illinois Central Railroad  
Page 2  
August 2, 2002

Prior to scheduling actual construction activities, you are required to notify Mr. Bart Sherer at our district Five office at P.O. Box 610, Paris, Illinois 61944, telephone (217) 466-7317, as specified in the Project Notice.

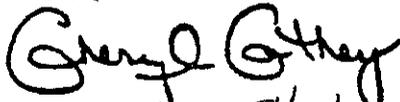
As a reminder, your Company must obtain necessary approvals from the Illinois Commerce Commission pursuant to 92 Illinois Administrative Code 1535 (Section 1535.400).

This authorization to proceed is given with the condition that the NATIONAL GRADE CROSSING INVENTORY UPDATE FORM OMB-2130-0011 (FRA F-6180.71) be filed with the Director of Processing, Transportation Division, Illinois Commerce Commission within 5 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 "EXCEPT FLAGGING BILLS", 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.

All flagging bills should be billed directly to the STATE's contractor.

Very truly yours,



Cheryl Cathey, P.E. 8/2/02  
Chief of Preliminary Engineering

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cc: D. Clark - Attn: Bart Sherer  
Project Control - Attn: Clarence Crowder  
Todd Hummert  
Gary Gould  
Michael E. Stead, ICC  
Design & Environment File  
Unit File

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
PROJECT NOTICE

A 15681

Served to: ILLINOIS CENTRAL RAILROAD COMPANY

This Project Notice is hereby incorporated into the Master Agreement entered into between the STATE and the ILLINOIS CENTRAL GULF RAILROAD, dated July 26, 1977.

FAU Route 7123 (IL 10 @ Duncan Rd.)	DOT/AAR No. 291 051L (Duncan Rd)
Section 4RS-5 & (32R-1)RS-1	DOT/AAR No. 291 050E (IL 10 E. of Duncan)
Job No. C-95-029-95	DOT/AAR No. 313 635U (Ind. Spur W. of Duncan)
Contract No. 90734	
Champaign County	
Agreement No. RR-5-02-002	

Project Location: IL 10 at Duncan Road in Champaign, Illinois.

Existing Conditions:

**Crossing 291 051L (Duncan Road)**

- One mainline track with a 97' timber crossing surface with 2 trains per day at a maximum speed of 10 mph protected by crossbucks, bells, cantilever, and flashing light signals, and thence crossing Duncan Road with a posted speed of 30 mph and a current ADT of 7400 (20 year ADT-9400).

**Crossings 291 050E (IL 10 E. of Duncan Road)**

- One mainline track with a 207' concrete crossing surface with 2 trains per day at a maximum speed of 10 mph protected by crossbucks, advanced warning signs, and flashing light signals, and thence crossing IL 10 with a posted speed of 40 mph and a current ADT of 13,100 (20 year ADT-15,500).

**Crossing 313 635U (Ind. Spur W. of Duncan Road)**

- One spur track with a 95' concrete crossing surface with 2 trains per day at a maximum speed of 10 mph protected by crossbucks, advanced warning signs, bells, and flashing light signals, and thence crossing IL 10 with a posted speed of 40 mph and a current ADT of 13,100 (20 year ADT-15,500).

Work proposed to be performed by the COMPANY:

**Crossing 291 051L (Duncan Road)**

- Remove the existing crossing surface, rail, ties, ballast and OTM.
- Install 135 L.F. of approved concrete or rubber crossing materials including new rail, ties, ballast and OTM at the proposed profile grade and elevations as shown on exhibits 1 through 6.
- Relocate existing 24' cantilever onto new foundation to proposed island in S.W. corner of intersection and install new sidelight's for eastbound turning southbound and westbound turning southbound traffic.
- Install new 36' cantilever for northbound traffic as shown on exhibit 1.
- Relocate the existing railroad signal control cabinet as shown on exhibit 1.
- Provide circuitry for 25 seconds of Minimum Preemption Time for Interconnect.
- Upgrade all flashers to LED's
- Install temporary asphalt rundowns as directed by the State's Engineer.
- Provide traffic control as directed by the State's engineer

**Crossing 291 050E (IL 10 E. of Duncan Road)**

- Extend the existing concrete surface 27' on the North side of IL 10 as shown on exhibit 1.
- Replace ties in extension area as needed.
- Relocate the existing flashing light signal in the northeast quadrant to a new foundation as shown on exhibit 1.
- Upgrade all flashers to LED's

**Crossing 313 635U (Ind. Spur W. of Duncan Road)**

- Upgrade all flashers to LED's.

Work proposed to be performed by the STATE:

**Crossing 291 051L (Duncan Road)**

- Provide construction engineering for the proposed vertical rail profile as shown on exhibits 2 through 4.
- Provide construction engineering including proposed curb and island layout for the placement of proposed signal foundations.
- Provide traffic control plan to railroad.

Crossing 291 050E (IL 10 E. of Duncan Road)

- Provide construction engineering including the layout of the proposed edge of pavement for placement of the proposed signal foundation in the northeast quadrant as shown on exhibit 1.

COMPANY's Estimated Cost: \$225,491.00

Reimbursement by: Force Account

Traffic Control: Full  
~~Partial~~ Closure

Acquisition of Property Rights required: Yes.

District Engineer to be notified: Mr. L. Forbes, Attn: Brian Trygg, P.O. Box 610, Paris, Illinois 61944, telephone (217) 466-7319.

Attachments: Addendum to Project Notice; State Required Ethical Standards Governing Contract Procurement – Attachment A; Location Map; Plans – Exhibits 1 through 6.

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 ILLINOIS CENTRAL RAILROAD

this 12th day of April 2002

By: [Signature]  
Vice President

STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION

This Agreement executed this 2nd day of August, 2002

By: \_\_\_\_\_  
~~Secretary~~

By: \_\_\_\_\_  
~~Director - Finance & Administration~~

By: [Signature]  
Director – Division of Highways

By: \_\_\_\_\_  
~~Chief Counsel~~

## ADDENDUM TO PROJECT NOTICE

It is the policy of the U.S. Department of Transportation that minority business enterprises, as defined in 49 Code of Federal Regulations (CFR) Part 23, shall have the maximum opportunity to participate in the performance of agreements financed in whole or in part with Federal funds. Consequently, the minority business enterprises requirements of 49 CFR Part 23 apply to this agreement.

The recipient shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

The COMPANY shall include this provision in every subagreement, including procurement of materials and leases of equipment.

Failure to carry out the requirements set forth above shall constitute a breach of agreement and may result in termination of the agreement or such 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.

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The COMPANY shall maintain, for a minimum of 5 years after the completion of the contract, 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 shall be available for review and audit by the Auditor General and other STATE auditors; and the COMPANY agrees to cooperate fully with any audit conducted by the Auditor General and other STATE auditors and to provide full access to 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.

Pursuant to the international Anti-Boycott Certification Act, Illinois Public Act 88-671, the COMPANY certifies 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.

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, should the Illinois General Assembly or the Federal Highway Administration fail to appropriate or otherwise make available funds for the PROJECT.

## 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.

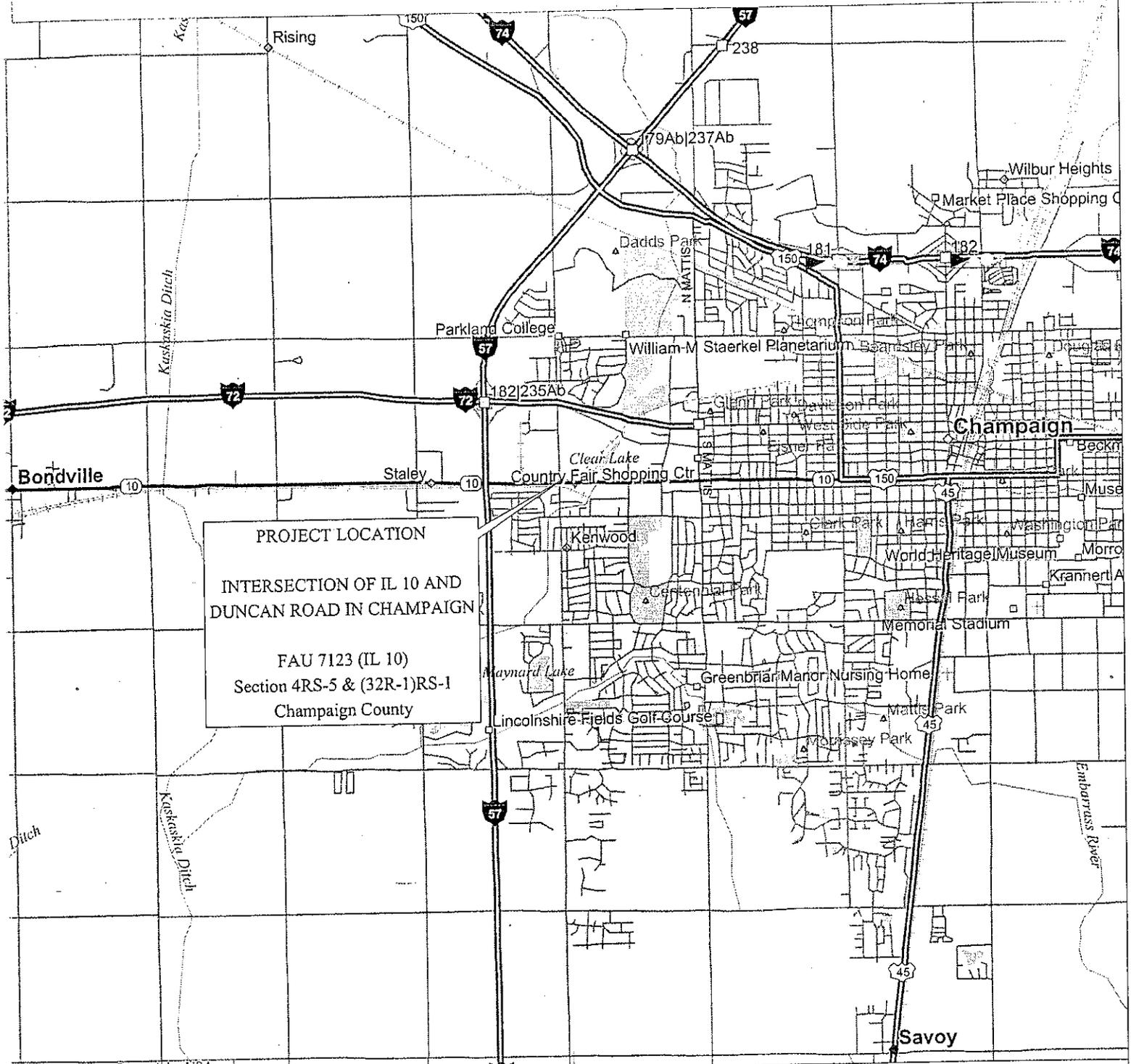
**International Anti-Boycott.** Section 5 of the International Anti-Boycott Certification Act provides that every contract entered into by the State of Illinois for the manufacture, furnishing, or purchasing of supplies, material, or equipment or for the furnishing of work, labor, or services, in an 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.

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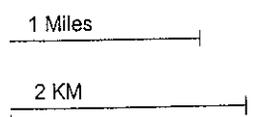
# LOCATION MAP



**PROJECT LOCATION**  
**INTERSECTION OF IL 10 AND**  
**DUNCAN ROAD IN CHAMPAIGN**  
 FAU 7123 (IL 10)  
 Section 4RS-5 & (32R-1)RS-1  
 Champaign County

©1998 DeLorme. Street Atlas USA

Mag 13.00  
 Tue Sep 11 14:49 2001  
 Scale 1:62,500 (at center)

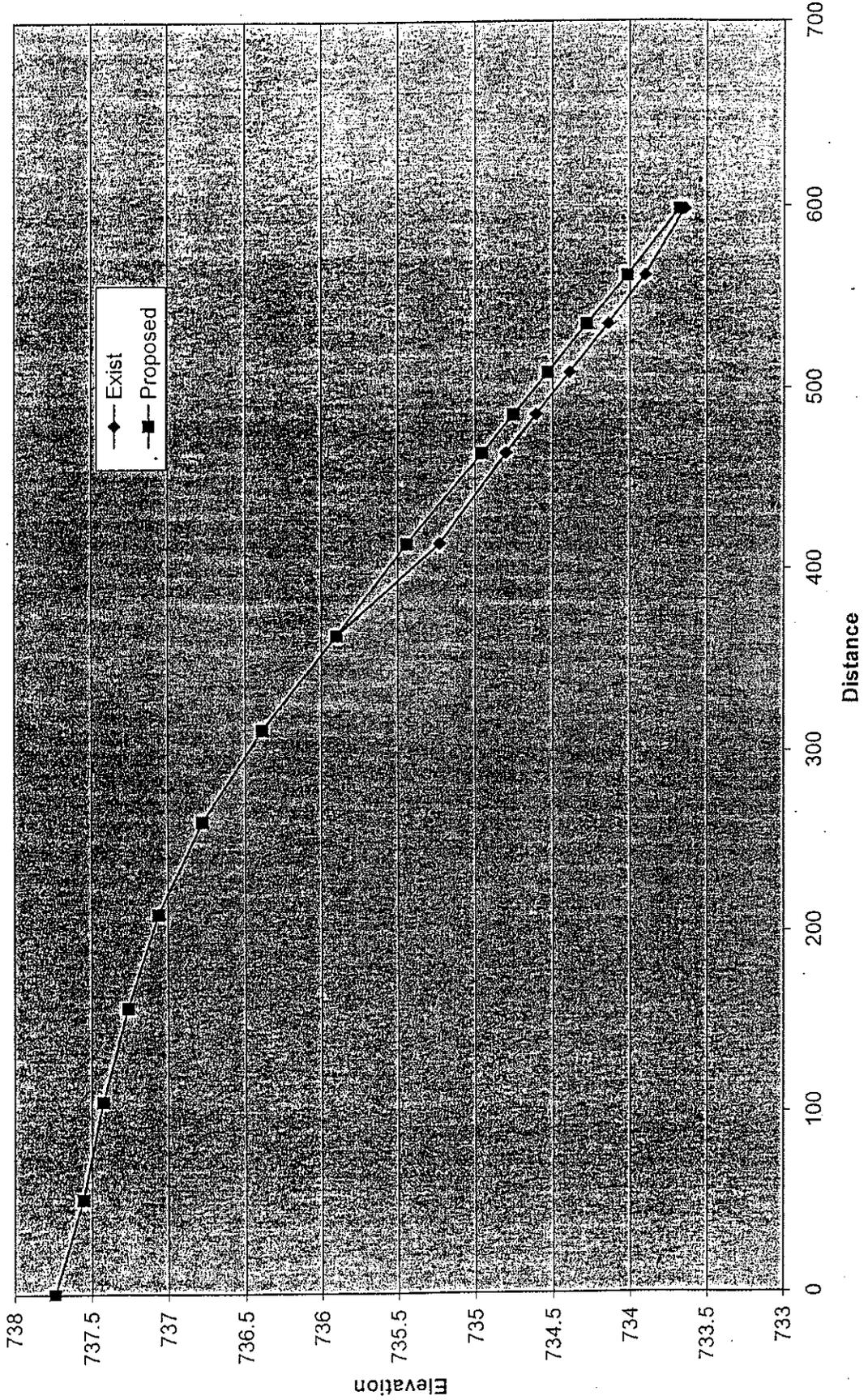


- |                           |                    |                     |                 |
|---------------------------|--------------------|---------------------|-----------------|
| Local Road                | Small Town         | Large City          | Private Airport |
| Major Connector           | Geographic Feature | Park/Reservation    | Cemetery        |
| State Route               | Exit/Gas           | Exit/Lodging        | Land            |
| Interstate/Limited Access | Exit/Food          | Exit/Other Services | Water           |
| US Highway                | Exit               |                     | River/Canal     |
| Railroad                  | Point of Interest  |                     | City Park       |



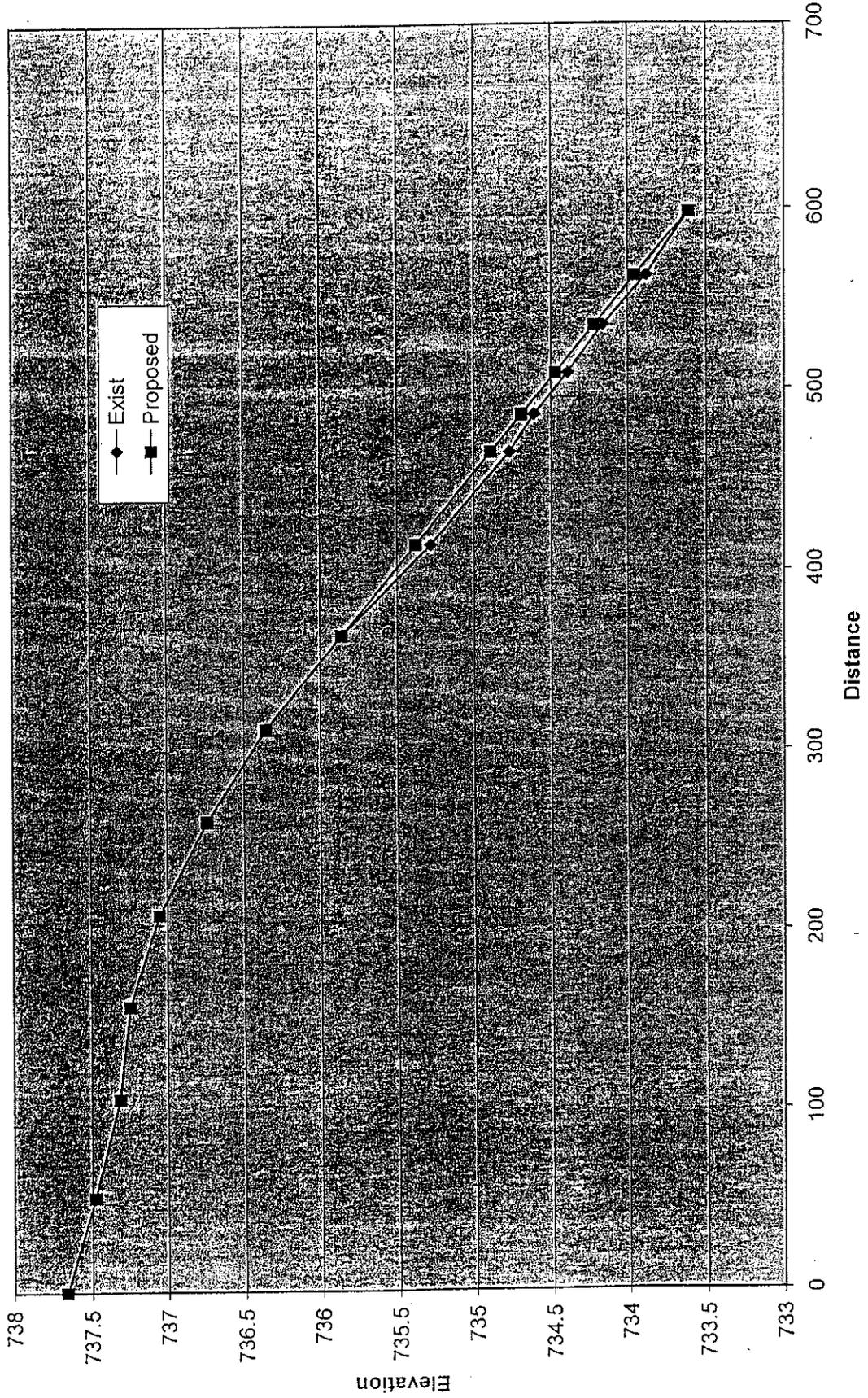


Profile along South Rail



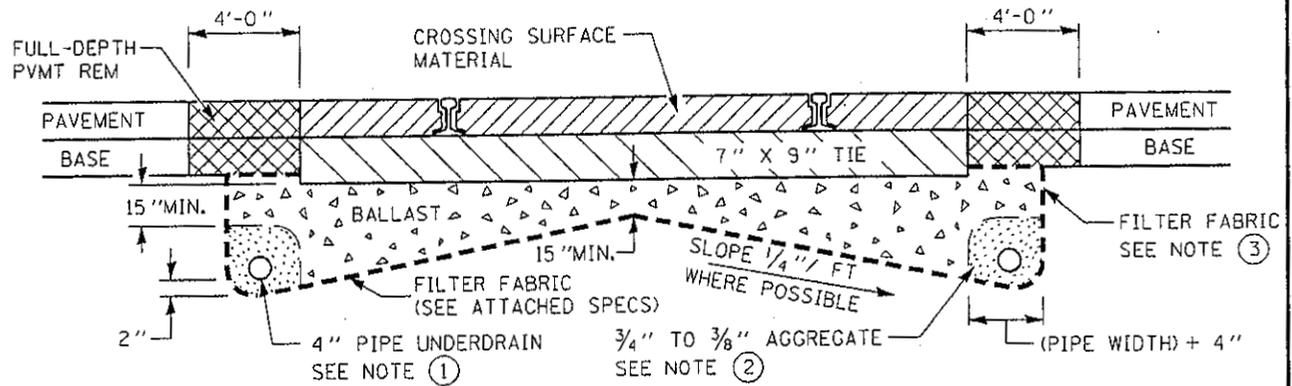
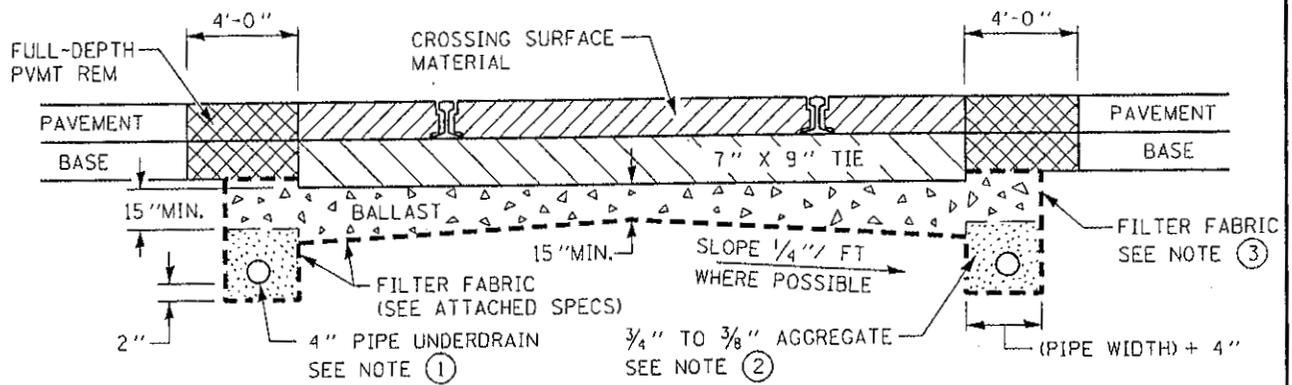
# Exhibit 4

North Rail Profile

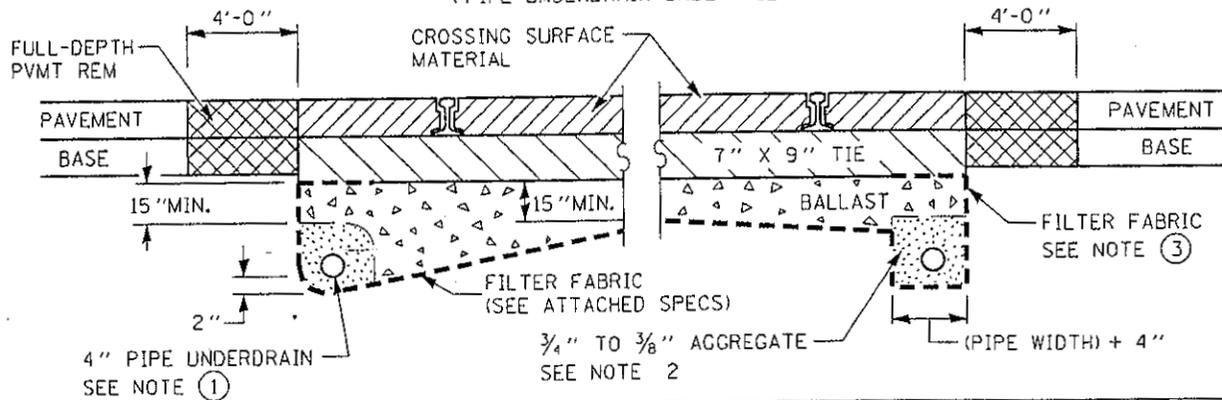


TYPICAL PIPE UNDERDRAIN INSTALLATION

(PREFERRED METHODS)



(LEAST ACCEPTABLE METHOD)  
(PIPE UNDERDRAIN UNDER TIES)



- ① 4" PIPE UNDERDRAINS SHALL MEET OR EXCEED AASHTO M278, AASHTO M252 OR AASHTO F 949 (SEE SECTION 601 OF IDOT STANDARD SPECIFICATIONS)
- ② 4" PIPE UNDERDRAINS SHALL BE SURROUNDED BY COURSE AGGREGATE FREE OF FINES MEETING IDOT SPECIFICATIONS SECTION 704 FOR CA 13, 14, 15 OR 16
- ③ FILTER FABRIC SHALL BE FIRMLY HELD IN PLACE AT THE EDGES DURING PLACEMENT OF BALLAST AND LAPPED OVER BALLAST BEFORE PLACING BASE COURSE.

**JOINT UTILITY LOCATING  
INFORMATION FOR EXCAVATORS  
1-800-892-0123**

**GRADE CROSSING IMPROVEMENT**  
ROUTE FAU 7123(IL 10)  
COUNTY Champaign  
SECTION 4RS-5&(32R-1)RS-1  
RAILROAD Illinois Central RR  
DOT/AAR 291 051L  
RR MILEPOST 3.34

# EXHIBIT 6

State of Illinois  
Department of Transportation

SPECIAL PROVISION  
FOR  
USE OF GEOTEXTILE FABRIC FOR  
RAILROAD CROSSING

Effective January 1, 1995  
Revised January 1, 1997

Description. This work shall consist of furnishing and installing geotextile fabric for railroad crossings.

Materials. The geotextile fabric shall consist of woven monofilaments or nonwoven filaments of polypropylene, polyester or polyethylene. Nonwoven fabric may be needle punched, heat bonded, resin bonded or combinations thereof. The fabric shall be inert to commonly encountered chemicals, rot proof, dimensionally stable (i.e., fibers must maintain their relative position with respect to each other), resistant to delamination and conform to the following physical properties.

Weight g/m <sup>2</sup> (oz. Yd <sup>2</sup> )	340 (10.0) min.	ASTM D 3776
Grab Tensile Strength kN(lb.) <sup>1</sup>	1.11 (250) min.	ASTM D 4632
Grab Elongation at break %	20 min.	ASTM D 4632
Bursting Strength kPa(psi)	2410 (350) min.	ASTM D 3786
Trapezoidal Tear Strength kN(lb.)	0.44 (100) min.	ASTM D 4533
Puncture Strength kN(lb.)	0.59 (130) min.	ASTM D 4833
Apparent Opening Size Sieve No.	300 um-150um (50-100)	ASTM D 4751
U.V. Resistance, Strength Retained %	70 min.	ASTM D 4355

<sup>1</sup> Test samples for grab tensile strength and elongation shall be tested wet.

The vendor shall furnish certified test reports with each shipment of material attesting that the fabric meets the requirements of this specification.

## CONSTRUCTION REQUIREMENTS

HANDLING AND Storage. Fabric shall be delivered to the job site in such a manner as to facilitate handling and incorporation into the work without damage. In no case shall the fabric be stored exposed to direct sunlight.

Installation. Geotextile fabric shall be placed on existing subgrade cleared of debris and sharp objects to prevent damage to the fabric. All laps shall be a minimum 300mm (12 inches). The fabric shall not be punctured during compaction of the ballast.

ILLINOIS CENTRAL RAILROAD  
OFFICE OF ENGINEER-TRACK

CHAMPAIGN, IL.  
V.S. IL-1

HAVANA LEAD  
M.P. N 4

MIDWEST DIVISION  
FILE N4/3

INSTALL 135-FT RUBBER CROSSING AT DUNCAN ROAD (DOT# 291 051 L) AND INSTALL  
27-FT CONCRETE CROSSING EXTENSION AT EXISTING IL. RTE. 10 (DOT# 291 050 E)  
WITH ROADWAY CLOSED TO VEHICULAR TRAFFIC.

2002 PRICES

ESTIMATED QUANTITIES NOT TO BE USED TO REQUISITION MATERIAL

COST CODE	DESCRIPTION	UNIT COST	QUANTITY	UNIT	TOTAL COST
=====					
FHPM	-----				
ADDITIONS AND BETTERMENTS					
-----					
	TIE PLATE 112/115# PANDROL	6.46	36.00	EACH	232.56
	CLIP, SERIES E (4/TIE)	1.75	72.00	EACH	126.00
	SPIKE PANDROL LOCKSPIKE	0.60	144.00	EACH	86.40
	PRECAST CONCRETE CROSSING	185.00	27.00	T.F.	4995.00
	INSTALL XING HIGH-TYPE	20.25	40.50	M.H.	820.13
	FRT, CO MATL	0.03	1.76	TNMI	0.05
	7"X 9" X 10' CROSS TIES	50.00	18.00	EACH	900.00
	CHANGE OUT CROSS TIES	20.25	10.80	M.H.	218.70
	SPIKES TRACK 6"X5/8"	51.79	0.48	KEG	24.86
	BALLAST CRUSHED STONE	7.40	40.49	C.Y.	299.63
	UNLOAD BALLAST	20.25	6.67	M.H.	135.07
	WORK TRAIN BALLAST - CO	1518.00	0.08	DAY	121.44
	FRT, CO MATL	0.03	5413.94	TNMI	162.42
	RAIL NEW	474.00	7.65	N.T.	3626.10
	JOINT WELDS - FIELD	64.00	8.00	JTS.	512.00
	FIELD WELD RAIL JOINTS	20.25	36.00	M.H.	729.00
	HIGH-TYPE CROSSING	195.00	135.00	T.F.	26325.00
	DRAINAGE - FILTER CLOTH	2.40	310.00	T.F.	744.00
	PLACE FILTER CLOTH	20.25	13.95	M.H.	282.49
	DRAINAGE-6" PERF PVC PIPE	2.80	325.00	L.F.	910.00
	DRAINAGE-INSTALL PVC	20.25	48.75	M.H.	987.19
	DRAINAGE-45 DEG ELL FOR PVC	6.50	1.00	EACH	6.50
	DRAINAGE-90 DEG ELL FOR PVC	9.50	1.00	EACH	9.50
	INSTALL ELLS	20.28	0.18	M.H.	3.65
	DRAINAGE - TEES FOR 6" PVC	12.50	1.00	EACH	12.50
	INSTALL TEES	20.28	0.18	M.H.	3.65
	DRAINAGE - CAPS FOR 6" PVC	5.50	2.00	EACH	11.00
	INSTALL XING HIGH-TYPE	20.25	202.50	M.H.	4100.63
	CONTRACT APPROACH WORK	10000.00	1.00	L.S.	10000.00
	CONT EQUIPMENT RENTAL	5000.00	1.00	L.S.	5000.00

TRAFFIC CONTROL	7500.00	1.00	L.S.	7500.00
FRT, CO MATL	0.03	45.49	TNMI	1.36
ENGINEERING	1000.00	1.00	L.S.	1000.00
PER DIEM	54.00	44.94	M.D.	2426.76
TIE CREO CROSS 7"X9"X8'6 OAK	30.07	102.00	EACH	3067.14
CHANGE OUT CROSS TIES	20.25	61.20	M.H.	1239.30
SPIKES TRACK 6"X5/8"	51.80	1.63	KEG	84.43
CHANGE OUT RAIL	20.25	30.00	M.H.	607.50
BALLAST CRUSHED STONE	7.40	146.70	C.Y.	1085.58
UNLOAD BALLAST	20.25	24.21	M.H.	490.25
WORK TRAIN BALLAST - CO	1518.00	0.29	DAY	440.22
RAISE - SURFACE TRACK	20.25	72.00	M.H.	1458.00
STRIP TRACK	20.25	46.50	M.H.	941.63
FRT, CO MATL	0.03	19269.12	TNMI	578.07
REMOVE XING SOLID TIMB	20.25	145.50	M.H.	2946.38
PER DIEM	54.00	47.43	M.D.	2561.22

MATERIAL	43058.20			
SALES TAX 0.05			2152.91	
HANDLING 0.0610			2757.88	
LABOR	14963.57			
ENGINEERING			1000.00	
ACCOUNTING			199.54	
OTHER	23803.56			
COMPOSITE ADD. - DIRECT LABOR			13190.18	
COMPOSITE ADD. - ENGIN + ACCT LABOR			999.10	
SUBSISTENCE			4987.98	
RENTAL OF EQUIPMENT			2394.54	
CONTINGENCIES			0.00	
SUB-TOTAL A&B				109507.46

SALVAGE VALUE MATERIAL RELEASED

RAIL SCRAP	SC	50.00	6.74	N.T.	337.00
LESS HANDLING	0.15				-50.55
S. TOTAL SALVAGE					286.45
S. TOTAL NET ESTIMATED COST					109221.01