

**ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT  
CROSSING DATA FORM**

**GENERAL INFORMATION:** See Location Sketch

<b>RAILROAD</b>	Norfolk Southern Railway Company
<b>USDOT#, MILEPOST</b>	479 425P, mp 454.23-WC
<b>STREET, CITY, COUNTY</b>	Perbix Road (TR 147)
<b>JURISDICTION (RDWY)</b>	Morgan County Road District #6
<b>LOCATION</b>	rural
<b>STREET SURFACE</b>	12 wide, chip seal

**CROSSING DATA:** See Location Sketch for roadway profile and track centers

<b>TRACK (W-E or N-S)</b>	<b>SURFACE TYPE</b>	<b>SURFACE WIDTH</b>	<b>SURFACE CONDITION</b>
NE-SW	Timber & asphalt	29 ft.	fair

**ROADWAY DATA:** See Location Sketch

<b>INTERSECTING ROADS:</b>	None
<b>TRAFFIC CONTROL</b>	None
<b>ADT &amp; SPEED</b>	50 Per Day @ 55mph unposted
<b>TRAFFIC TYPE</b>	Passenger, possible school buses and hazardous material
<b>ADVANCE WARNING</b>	yes
<b>PAVEMENT MARKING</b>	N/A

**RAILROAD DATA:** See Location Sketch

<b>FREIGHT TRAFFIC</b>	20 Per day @ 60 MPH, Day & Night
<b>PASSENGER TRAFFIC</b>	none
<b>WARNING DEVICES</b>	Cross bucks

**NOTES:**

**VISIBILITY STUDY:** See Location Sketch

<b>Train Speed</b>	60	<b>MPH</b>
<b>Roadway Speed</b>	55	<b>MPH</b>
<b>Required Stopping Sight Distance (SSD)</b>		
<b>Along Roadway</b>	520	<b>FEET</b>
<b>Along Tracks</b>	647	<b>FEET</b>
<b>Required Clearing Sight Distance (CSD) (Along Tracks)</b>	1440	<b>FEET</b>

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 2001, Fourth Edition.

<b>QUADRANT</b>	<b>CSD (FT)</b>	<b>OBSTRUCTION</b>	<b>SSD (FT)</b>	<b>OBSTRUCTION</b>
<b>NE</b>	ok		50	Corn
<b>NW</b>	900	Track curve	ok	But bad angle
<b>SE</b>	ok		ok	But bad angle
<b>SW</b>	900	Track curve	200	Corn

\*Note: Automatic flashing light signals and gates (AFLS&G) eliminate the need to satisfy minimum Site Distance criteria.

**APPROACH GRADES:**

<b>DIRECTION/east</b>			<b>DIRECTION/west</b>		
<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>	<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>
25	98.9	4.4	25	99.4	2.4
50	96.8	8.4	50	96.9	10.0

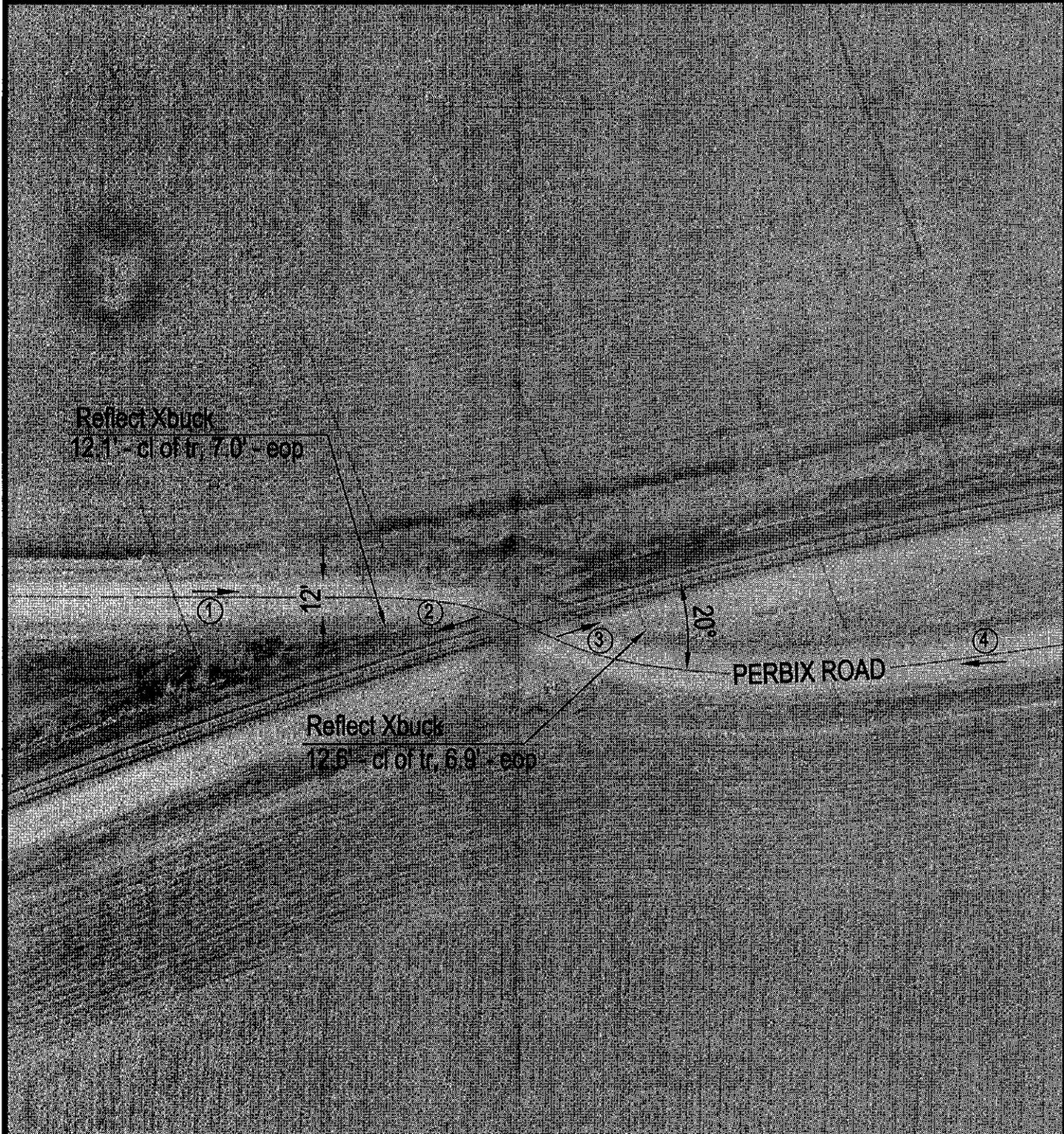
Distance measured from outermost rail.

**COMMENTS:**

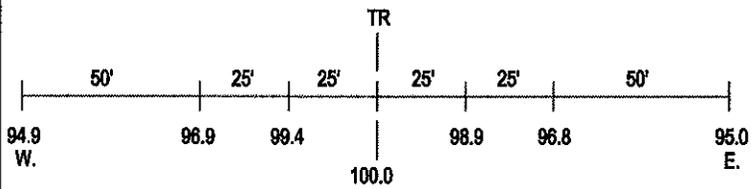
Norfolk Southern Railway's preliminary estimate of cost to install new automatic warning devices at the Reining Road grade crossing is \$175,100. Staff of the Illinois Commerce Commission's Rail Safety Section recommends that the Grade Crossing Protection Fund (GCPF) be used to pay 95% of the installation costs, not to exceed \$166,345, and NS pay all remaining installation costs as well as all future maintenance and operating costs. This crossing will be relocated about 150' to the northeast, and a connecting road will be constructed between the relocated Reining Road and Perbix Road. The Perbix Road grade crossing (AAR/DOT # 479 425P) will be closed as a part of this Agreement.

Staff of the Illinois Commerce Commission's Rail Safety Section recommends that the GCPF be used to pay an amount not to exceed \$260,985 for construction of a relocated roadway and connecting road. The total estimated cost of said road work is \$275,985. The Township will pay \$15,000 for the roadwork, and install the "Road Closed Ahead" signs and the Advanced Warning signs. Staff also recommends that the GCPF be used to pay for the cost of materials, not to exceed \$10,000, and the NS pay for the labor for the installation of the new relocated Reining Road crossing surface. The total estimated cost for the new 32' wide crossing surface is \$35,000.

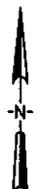
See Page 3 for a Location Sketch (Aerial Photo) of the crossing.



J:\MORGAN\479425P\479425P.DWG 05/31/00 08:25 TFC



**ROAD PROFILE**



③ Photo Location

Crossing #: 479425P  
 Location: Morgan Co., City of Jacksonville (N)  
 Lat/Long: 39°44'42" / 90°20'47"  
 Railroad: NS  
 Street: Perbix Road  
 Railroad Milepost: 454.23  
 Crossing Protection: Signs



Round Figure Estimate for Grade Crossing Warning Devices

City/State: CHAPIN, IL  
MilePost: DH-454.45  
State Proj. No.:  
S&E Proj. No.: 04.0127  
Man Days: 104

Road: REINING RD.  
DOT/AAR: 479426W  
County: MORGAN  
AFE:  
File Number: 061-04.0582

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$9,785.32
Rental of Equipment:	\$21,392.80
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 26 Days)	
Construction Supervision Vehicle:	\$1,711.42
<b>Purchases - Other Total:</b>	<b>\$32,889.54</b>
<b>***Material And Additives***</b>	
Material Cost:	\$69,776.00
Sales and Use Tax:	\$3,489.00
Material Handling Freight:	\$3,488.81
<b>Material Total:</b>	<b>\$76,753.81</b>
<b>***Labor And Additives***</b>	
Labor Cost:	\$25,168.00
(4 man crew at \$968.00 a day for: 26 days)	
Payroll Tax & Overheads:	\$24,828.23
Preliminary Engineering:	\$8,355.10
Construction Supervision:	\$7,104.93
<b>Labor Total:</b>	<b>\$65,456.26</b>
Project Cost:	\$175,099.61
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$175,099.61</b>

Estimated on: 20-Sep-06

Estimated by: rhray

**Estimate valid for 1 year from date of estimate**

**NORFOLK SOUTHERN RAILWAY COMPANY**

WESTERN REGION - ILLINOIS DIVISION

MARKHAM, ILLINOIS - RELOCATED RENNING RD., MILEPOST DH-454.43

ESTIMATE TO INSTALL NEW CROSSING SURFACE AND RETIRE EXISTING CROSSINGS

MORGAN COUNTY

1 TRACKS;

32 ' CROSSING LENGTH

<b>MATERIAL</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>
RAILSEAL CROSSING MATERIAL	32	TRK. FT.	50.00	1,600
ASPHALT (by others)	0	TONS	85.00	0
RAIL	160	LIN FT.	15.00	2,400
RAIL ANCHORS	240	EA.	1.15	276
SPIKES	2.0	KEG	77.00	154
TIE PLATES	120	EA.	7.25	870
CROSSTIES ( 10' )	0	EA.	41.40	0
CROSSTIES (GRADE 5 )	60	EA.	36.06	2164
BALLAST AND GRAVEL	100	TONS	7.00	700
GEOTEXTILE	72	LIN FT.	20.00	1,440
<b>TOTAL (INCLUDES 5% INVENTORY OR TAX ADDITIVES)</b>				<b>10,084</b>

**LABOR**

REMOVE EXISTING CROSSINGS	EST. LABOR	4,000
REHABILITATE TRACK STRUCTURE	EST. LABOR	3,000
INSTALL NEW CROSSINGS	EST. LABOR	1,000
<b>TOTAL</b>		<b>8,000</b>

COMPOSITE LABOR ADDITIVE (141.36%)	11,309
FLAGGING FOR WORK BY OTHERS	2,500
USE OF EQUIPMENT	0
Preliminary Engineering, Construction Supervision, Bill Preparation	3,107

**GRAND TOTAL** **\$35,000**

Estimate based on traffic control, barricades and asphalt pavement being provided by others, and full closure of road during reconstruction of crossing. Also, no concrete pavement to be placed within 13 feet of centerline of track.

OFFICE OF CHIEF ENGINEER, BRIDGES AND STRUCTURES - ATLANTA, GEORGIA

DATE: AUGUST 9, 2006

FILE: 120-1-6442





**Hutchison Engineering, Inc.**

Since 1945

Jacksonville  
Joliet

May 4, 2006

Morgan County Highway Department  
651 Brooklyn Avenue  
P.O. Box 458  
Jacksonville, IL 62650

ATTN: Mr. Calvin Hance, Morgan County Engineer

Subject: Perbix/Renning Road Relocation  
Section 06-06119-00-BR  
**Preliminary Opinion of Probable Cost**

Dear Sir:

Per your request, we have completed a Preliminary Opinion of Probable Cost for the above captioned project. The following is a summary of those construction costs:

Earth Excavation	⇒	6,000 cy x \$7.00/cy	=	\$42,000
Agg. Base Cse.	⇒	4,600 ton x \$30/ton	=	\$138,000
Bituminous Materials	⇒	10,100 gal x \$2.10/gal	=	\$21,210
Cover/Seal Coat Agg	⇒	210 ton x \$27.50/ton	=	\$5,775
Pipe Culverts, 18" CMP	⇒	200' x \$35/ft	=	\$7,000
Seeding	⇒	6.0 Ac x \$3,500/Ac	=	\$21,000
Traffic Control			=	\$5,000
Contingency (15%)			=	\$36,000
Construction Total			=	\$275,985

If you have any questions, please contact this office at any time.

Very truly yours,

HUTCHISON ENGINEERING, INC.

  
James R. Burke, P.E.  
Project Engineer

JRB:cm  
Encl.

1801 West Lafayette Ave. • P.O. Box 820 • Jacksonville, Illinois 62651-0820  
Phone: (217) 245-7164 • FAX: (217) 243-0468

James O. Hamilton, PE, SE  
Vice President  
Lenny L. Chaudoin  
Vice President  
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Gary L. Hutchison, PE, PLS  
President  
Michael V. Meier, PE  
Executive Vice President

H. James Twyford, PE  
Vice President  
Roger W. Wright, PE  
Vice President

**Exhibit D**

**ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT NO. 1231**

Date October 27, 2006

The Morgan County Road District #6  
(Board or Council of Morgan County Road District #6)

meeting on October 27, 2006, Resolved to authorize  
(Date)

Calvin W. Hance, Morgan County Engineer to act as its designated agent in the  
(Name, Office)

processing of this Stipulated Agreement and that the Road District is financially willing and able to bear the cost for the proposed improvements as may be assigned to it according to Section 5 of this Agreement.

**ILLINOIS COMMERCE COMMISSION  
TRANSPORTATION DIVISION / RAIL SAFETY SECTION**

**PROJECT STATUS REPORT**

**TYPE:** (CHECK ONE)

PROGRESS	<input type="checkbox"/>
COMPLETION <sup>1</sup>	<input type="checkbox"/>

DATE	<input type="text"/>
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**PROJECT INFORMATION:**

Reporting Party:	Norfolk Southern Railway Company
Docket/Order #:	
Ordered Completion Date:	
Status Reports Due:	
Completion Report Due <sup>1</sup> :	
AAR/DOT#, Milepost:	AAR/DOT #479 425P, milepost 454.23-WC; AAR/DOT #479 426W, milepost 454.45-WC
Street, (in/near) City, County:	Perbix and Reining Roads, near Jacksonville/Catlin, IL
Railroad Company:	Norfolk Southern

<sup>1</sup> Railroad Companies must include an updated USDOT Inventory Form with their Completion Report.

**PROJECT MANAGER INFORMATION<sup>2</sup>:**

Name:	Bob Sharkey
Title:	Construction Engineer
Representing:	Norfolk Southern
Street Address:	99 Spring Street, Box 123
City, State, Zip:	Atlanta, Georgia 30303
Office Phone:	404-527-2887
Office Fax:	404-527-1174
Cellular Phone:	
E-Mail Address:	<a href="mailto:Robert.Sharkey@nscorp.com">Robert.Sharkey@nscorp.com</a>

<sup>2</sup>Project Manager information to be submitted by Morgan County Road District # 6 and the NS Railway Company

**DESCRIPTION OF IMPROVEMENTS to be ORDERED:**

**All work listed below to be done by the Company**

- Installation of temporary STOP signs at the Reining Road and Perbix Road crossings within 30 days of receipt of an Order.
- Installation of signals and gates with a bell, controlled by constant warning time circuitry, and equipped with an event recorder at the relocated Reining Road crossing.
- Construction of a new 32' surface at the relocated Reining Road crossing.
- Installation of permanent barricades for closure of the Perbix Road crossing.
- Removal of crossing surfaces warning signs at the old Reining Road and Perbix Road crossings.

**STATUS OF WORK:** (use additional blank sheet, if necessary)

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Mail directed to the **Rail Safety Section** or the **Director of Processing and Information**, Transportation Bureau of the Commission should be addressed to:

The Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, IL 62701-1827

If you have questions contact:

Dick Daniels, Railroad Safety Specialist  
Phone: 217-785-8420  
Email: rdaniels@icc.illinois.gov

A **Form 3** can be obtained from the Illinois Commerce Commission by calling 217/782-7660 or on the web at:

<http://www.icc.illinois.gov/hg/railroadsafety.aspx>

**United States Department of Transportation Inventory Form #6180.71** can be obtained on the web at:

<http://safetydata.fra.dot.gov/OfficeofSafety/Forms/Default.asp>

Submit Inventory forms to:

Federal Railroad Administration Office of Safety 1120 Vermont Avenue, NW Washington, DC 20590	<b><u>And</u></b>	Chief of Data Services Illinois Department of Transportation 2300 S. Dirksen Parkway Springfield, IL 62764
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TRANSPORTATION DIVISION / RAIL SAFETY SECTION**

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Ordered Completion Date:	
Status Reports Due:	
Completion Report Due <sup>1</sup> :	
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Railroad Company:	Norfolk Southern

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**PROJECT MANAGER INFORMATION<sup>2</sup>:**

Name:	Calvin Hance
Title:	Morgan County Engineer
Representing:	Morgan County Road District # 6, Roger Ore
Street Address:	651 Brooklyn, P.O. Box 458
City, State, Zip:	Jacksonville, IL 62650
Office Phone:	217-243-8491
Office Fax:	217-243-2038
Cellular Phone:	Roger Ore = 217-248-5907
E-Mail Address:	

<sup>2</sup> Project Manager information to be submitted by Morgan County Road Dist. # 6 and the NS Railway Co

**DESCRIPTION OF IMPROVEMENTS to be ORDERED:**

**All work listed below to be done by the Road District/County**

- Construction of realigned Reining Road and a new connecting road between Reining Road and Perbix Road.
- Removal of highway approaches to the old Reining Road crossing.
- Installation of Advance Warning signs at the Reining Road crossing, and Road Closed Ahead signs at the Perbix Road crossing.
- Vacation of right of way adjacent to the Perbix Road crossing and closure of same, effective upon completion of all of signal and road work.

**STATUS OF WORK:** (use additional blank sheet, if necessary)

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