

**STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT 1222**

T08-0113

This Agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission ("Commission"), the Norfolk Southern Railway Company ("Company"), Stonington Township Road District in Christian County ("Stonington Township"), Pleasant View Township Road District in Macon County, ("Pleasant View Township"), and the State of Illinois, Department of Transportation ("Department" or "IDOT").

**WITNESSETH:**

WHEREAS, it has come to the attention of the Commission through staff evaluation for Grade Crossing Protection Fund assistance that inquiry should be made into the matter of improving public safety at the 1900E/TR 232 (Stonington Township, Christian County) and the Meridian Road/TR 16 (Pleasant View Township, Macon County) highway-rail grade crossings of the Company's track near Stonington and Blue Mound, Illinois, designated as crossings AAR/DOT #479 228B, railroad milepost 394.19-WA and AAR/DOT #479 223S, railroad milepost 391.07-WA respectively, and

WHEREAS, proper investigation has been made of the circumstances surrounding the subject crossings by a representative of the Commission's Transportation Division Railroad Section; and

WHEREAS, the physical aspects, including geometrics of the intersection, train movements, vehicular traffic volume, and sight distances and other pertinent data relating to each crossing have been obtained and shown on Exhibit A1 (1900E/TR232) and Exhibit A2 (Meridian Road/TR 16), attached to this Agreement; and

WHEREAS, the parties are mutually agreeable to accomplish proposed improvements to the crossings upon determination of the Commission by Order.

NOW, THEREFORE in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties pray that the Commission enter an Order according to the provisions of Section 18c-7401 of the Illinois Commercial Transportation Law, 625 ILCS 5/18(c)-7401, requiring that certain improvements as hereinafter stated be made and that the cost for the proposed improvements be divided among the parties according to law and that in the interest of the traveling public the Grade Crossing Protection Fund ("GCPF") of the Motor Fuel Tax Law ("MFT") be required to bear a substantial portion of the cost; To Wit the parties agree as follows:

Section 1 All improvements encompassed by this Agreement shall be made in accordance with all applicable State laws, rules, standards, regulations and orders and procedures in general.

Section 2 The parties are of the opinion that the following improvements in the interest of public safety at the aforesaid crossing should be:

**DOCKETED**

1900E (TR 232)  
**(AAR/DOT #479 228B)**

- (a) Installation of automatic flashing light signals and gates with a bell, controlled by constant warning time circuitry, and equipped with an event recorder, by the Company.
- (b) Installation of temporary STOP signs at the TR 232 crossing within 30 days of a Commission Order for the installation of new automatic warning devices, by the Company.
- (c) Reconstruction of the existing north highway approach grade, to meet the minimum requirements of 92 Ill. Adm. Code 1535.204 (Exhibit C), by Stonington Township.
- (d) Installation of Highway-Rail Grade Crossing Advance Warning Signs (W10-2) on Illinois Route 48, as per the Manual on Uniform Traffic Control Devices (MUTCD), section 8B.03, by IDOT.

Meridian Road (TR 16)  
**(AAR/DOT #479 223S)**

- (a) Installation of automatic flashing light signals and gates with a bell, controlled by constant warning time circuitry, and equipped with an event recorder, by the Company.
- (b) Installation of temporary STOP signs at the TR 16 crossing within 30 days of a Commission Order for the installation of new automatic warning devices, by the Company.
- (c) Installation of Highway-Rail Grade Crossing Advance Warning Signs (W10-2) on Illinois Route 48, as per the Manual on Uniform Traffic Control Devices (MUTCD), section 8B.03, by IDOT.

Section 3 The Company has provided preliminary detailed cost estimates and plans (see Exhibit B1 and B2) for the installation of automatic flashing light signals and gates at the subject locations. The Company should contact Christian County Engineer Cliff Frye (217-824-2606) before proceeding with the project on 1900E because Stonington Township will be reconstructing the north approach in order to meet the minimum requirements of Ill. Adm. Code 1535.204, Exhibit C.

Section 4 The Company and the Townships shall upon Order, according to the requirements contained therein, proceed toward the completion of the proposed improvements, accomplishing the work with their own forces or appropriate contracted services and agree that an appropriate time for the completion of the proposed improvements should be, from the date of a Commission Order subsequent to this Agreement twelve (12) months.

Section 5 The parties agree that an equitable division of cost for the proposed improvements should be as follows:

**COST DIVISION TABLE****1900E/TR 232 (AAR/DOT #479 228B)**

<b>IMPROVEMENT</b>	<b>EST. COST</b>	<b>GCPF</b>	<b>STONINGTON TOWNSHIP</b>	<b>COMPANY</b>	<b>IDOT</b>
Install Automatic Flashing Light Signals and Gates, controlled by CWT Circuitry	\$248,995 <sup>3</sup>	(95%) \$236,545 <sup>3</sup>	0%	(5%) Remainder <sup>1,3</sup>	0%
Install temporary STOP Signs, if ordered.	No Estimate Required	\$0	0%	100% <sup>1</sup>	0%
Reconstruct North Approach	No Estimate Required	0%	100% <sup>2</sup>	0%	0%
Install Advance Warning Signs (W10-2) on IL 48	No Estimate Required	0%	0%	0%	100% <sup>4</sup>
<b>TOTALS</b>	<b>\$248,995<sup>3</sup></b>	<b>\$236,545<sup>3</sup></b>	<b>100%<sup>2</sup></b>	<b>Remainder<sup>1,3</sup></b>	<b>100%<sup>4</sup></b>

**Meridian Road/TR 16 (AAR/DOT #479 223S)**

<b>IMPROVEMENT</b>	<b>EST. COST</b>	<b>GCPF</b>	<b>PLEASANT VIEW TWP.</b>	<b>COMPANY</b>	<b>IDOT</b>
Install Automatic Flashing Light Signals and Gates, controlled by CWT Circuitry	\$163,121 <sup>3</sup>	(95%) \$154,965 <sup>3</sup>	0%	(5%) Remainder <sup>1,3</sup>	0%
Install temporary STOP Signs, if ordered.	No Estimate Required	\$0	0%	100% <sup>1</sup>	0%
Install Advance Warning Signs (W10-2) on IL 48	No Estimate Required	0%	0%	0%	100% <sup>4</sup>
<b>TOTALS</b>	<b>\$163,121<sup>3</sup></b>	<b>\$154,965<sup>3</sup></b>	<b>0%</b>	<b>Remainder<sup>1,3</sup></b>	<b>100%<sup>4</sup></b>
<b>GRAND TOTALS</b>	<b>\$412,116<sup>3</sup></b>	<b>\$391,510<sup>3</sup></b>	<b>0%</b>	<b>Remainder<sup>1,3</sup></b>	<b>100%<sup>4</sup></b>

**Notes:**

<sup>1</sup> Company responsible for all future operation and maintenance costs associated with the new automatic warning devices and temporary STOP signs.

<sup>2</sup> Township responsible for all future maintenance costs associated with the north highway approach.

<sup>3</sup> Total Grade Crossing Protection Fund (GCPF) assistance not to exceed \$391,510 for both crossings; any installation costs above the estimated amount of \$412,116 for both crossings will be divided in the same percentages noted above, upon submittal and review of evidence to support the additional cost and subject to approval by the Commission.

<sup>4</sup> IDOT responsible for all future maintenance costs associated with the Advance Warning signs on IL 48.

**Section 6 Special Provisions:** Since the highway approach reconstruction at the 1900E/TR232 crossing will be performed by the roadway authority or its contractor, flagging and contractor liability insurance may be required for said work.

The Company and the Townships, shall review the Project Manager Information portion of the Project Status Report sheets, attached as Exhibits E1 (Townships) and E2 (Company). If any changes are required, the sheets are to be corrected and sent with this executed Agreement.

The Company and Townships shall, at six (6) month intervals from the date of the Commission Order approving this Agreement, submit to the Director of Processing and Information, Transportation Bureau of the Commission, a Project Status Report, attached as Exhibits E1 (Townships), and E2 (Company), regarding the progress each has made toward completion of the work required by this Agreement, if any. Each Project Status

Report shall include the Commission Order docket number, the Order date, the project completion date as noted in the Order, crossing information (inventory number and railroad milepost), type of improvement, and the name, title, mailing address, phone number, facsimile number, and electronic mailing address of the Company and the Christian County Project Manager.

All bills for work specified in Section 2 of this Agreement authorized for reimbursement from the Grade Crossing Protection Fund shall be submitted to the Fiscal Control Unit, Bureau of Local Roads and Streets, Illinois Department of Transportation, 2300 S. Dirksen Parkway, Springfield, IL 62764. The Department shall send a copy of all invoices to the Director of Processing and Information, Transportation Bureau of the Commission. All bills shall be submitted no later than twelve (12) months from the completion date specified in the Commission Order approving this Agreement. The final bill for expenditures from the Company shall be clearly marked "Final Bill". The Department shall not obligate any assistance from the Grade Crossing Protection Fund for the cost of proposed improvements described in this Agreement without prior approval by the Commission. The Commission shall, at the end of the 12th month from the completion date specified in this Order or any Supplemental Order, conduct a review to determine if any unused assistance from the Grade Crossing Protection Fund should be deobligated. Upon completion of the review, the Commission shall notify the Department to deobligate all residual funds accountable for installation costs for this project. Notification may be by regular mail, electronic mail, fax, or phone.

**SECTION 7 Billing:** For all work specified in Section 2 of this Agreement and authorized by an Order of the Commission, the Company and highway agencies shall assure that sufficient documentation for all bills is made available for review by the Department or the Department's representative. The minimum documentation that must be made available is outlined below:

- a) Labor Charges (including additives) - Copies of employee work hours charged to the project.
- b) Equipment Rental - Copies of rental agreements for the equipment used, including the rental rate; and the number of hours the equipment was used on the project.
- c) Material - An itemized list of all materials purchased and installed at the crossing location. If materials purchased are installed at multiple crossing locations, a notation must be made to identify the crossing location.
- d) Engineering - Copies of employee work hours charged to the project.
- e) Supervision - Copies of employee work hours charged to the project.
- f) Incidental Charges - An itemized list of all incidental charges along with a written explanation of those charges.
- g) Service Dates - Invoice shall include the beginning and ending date of the work accomplished for the invoice.
- h) Final or Progressive - Each invoice shall be marked as a Progressive or a Final Invoice.
- i) Reference Numbers - Each invoice shall include the AAR/DOT number, the ICC Order number and the state job number when federal funds are involved.

- j) Locations - Each invoice shall show the location, with the street name and AAR/DOT crossing inventory number.

Section 8 This Agreement shall be binding upon the parties hereto, their successors or assigns. Upon execution of this Agreement by all parties, the Commission shall enter an appropriate Order, within 60 days accepting or rejecting such stipulation according to the provisions contained herein.

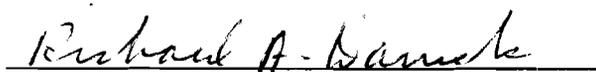
In Witness Whereof, the parties have caused this Agreement to be executed by their duly authorized officers, as of the dates indicated on their respective Execution Pages, attached hereto.

Executed by the Commission this 21<sup>st</sup> day of May 2008.



Michael E. Stead  
Rail Safety Program Administrator

Attest:



Richard A. Daniels  
Rail Safety Specialist

Illinois Commerce Commission Stipulated Agreement 1222, executed by Commission Staff on May 21, 2008, concerning improvements at the 1900E/TR 232 (Stonington Township, Christian County) and the Meridian Road/TR 16 (Pleasant View Township, Macon County) highway-rail grade crossings of the Company's track near Stonington and Blue Mound, Illinois, designated as crossings AAR/DOT #479 228B, railroad milepost 394.19-WA and AAR/DOT #479 223S, railroad milepost 391.07-WA respectively.

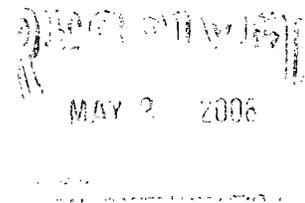
Executed by Pleasant View Township this 23 day of May 2008.

PLEASANT VIEW TOWNSHIP

By: Larry D. Born

Attest:

Thomas W. Ritter  
Supervisor  
Pleasant View Township



Illinois Commerce Commission Stipulated Agreement 1222, executed by Commission Staff on May 21, 2008, concerning improvements at the 1900E/TR 232 (Stonington Township, Christian County) and the Meridian Road/TR 16 (Pleasant View Township, Macon County) highway-rail grade crossings of the Company's track near Stonington and Blue Mound, Illinois, designated as crossings AAR/DOT #479 228B, railroad milepost 394.19-WA and AAR/DOT #479 223S, railroad milepost 391.07-WA respectively.

Executed by the Norfolk Southern Railway Company this 30th day of May 2008.

<sup>ms</sup> NORFOLK SOUTHERN RAILWAY COMPANY

By: M. J. Wheeler  
General Manager

Attest:

[Signature]  
Asst. Corporate Secretary

Illinois Commerce Commission Stipulated Agreement 1222, executed by Commission Staff on May 21, 2008, concerning improvements at the 1900E/TR 232 (Stonington Township, Christian County) and the Meridian Road/TR 16 (Pleasant View Township, Macon County) highway-rail grade crossings of the Company's track near Stonington and Blue Mound, Illinois, designated as crossings AAR/DOT #479 228B, railroad milepost 394.19-WA and AAR/DOT #479 223S, railroad milepost 391.07-WA respectively.

Executed by the Illinois Department of Transportation this 23<sup>rd</sup> day of June 2008.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

Illinois Commerce Commission Stipulated Agreement 1222, executed by Commission Staff on May 21, 2008, concerning improvements at the 1900E/TR 232 (Stonington Township, Christian County) and the Meridian Road/TR 16 (Pleasant View Township, Macon County) highway-rail grade crossings of the Company's track near Stonington and Blue Mound, Illinois, designated as crossings AAR/DOT #479 228B, railroad milepost 394.19-WA and AAR/DOT #479 223S, railroad milepost 391.07-WA respectively.

Executed by Stonington Township this 7<sup>th</sup> day of August, 2008.

STONINGTON TOWNSHIP

By: Bernard deClerck

Attest:

Craig D. Frye

**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 228B, mp 394.19 WA
<b>STREET, CITY, COUNTY</b>	1900E (TR 232), Near Stonington, Christian County
<b>JURISDICTION (RDWY)</b>	Stonington Township
<b>LOCATION</b>	rural
<b>STREET SURFACE</b>	Chip seal, 15', good

**CROSSING DATA:** Also 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>
SW-NE	rubber and asphalt	32'	good

**ROADWAY DATA:** See Location Sketch

<b>INTERSECTING ROADS:</b>	IL Route 48 is 100' south
<b>TRAFFIC CONTROL</b>	N/A
<b>ADT &amp; SPEED</b>	75 Vehicles Per Day @ 55 MPH
<b>TRAFFIC TYPE</b>	possible School Busses, Hazardous Materials, Other
<b>ADVANCE WARNING</b>	Yes on township road, none on highway
<b>PAVEMENT MARKING</b>	

**RAILROAD DATA:** See Location Sketch

<b>FREIGHT TRAFFIC</b>	13 Per day @ 60 MPH, Day & Night
<b>PASSENGER TRAFFIC</b>	N/A
<b>WARNING DEVICES</b>	Cross bucks with yield signs

**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>	642	<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*		*75	corn
<b>NW</b>	*ok		*75	Trees, corn
<b>SE</b>	*ok		ok*	But bad angle for visibility
<b>SW</b>	*ok		ok*	But bad angle for visibility

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

**APPROACH GRADES:** See Location Sketch

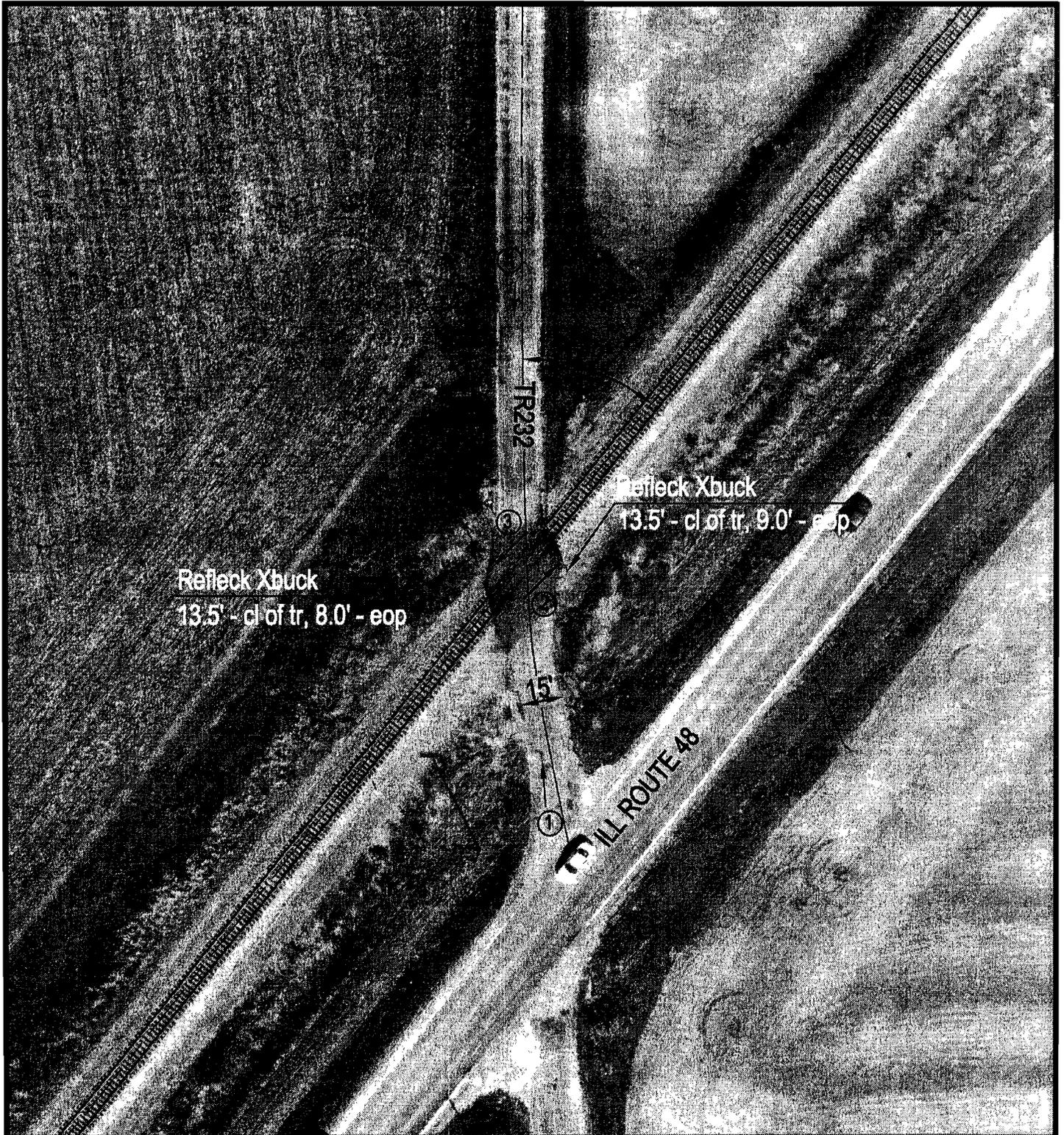
<b>DIRECTION NORTH</b>			<b>DIRECTION SOUTH</b>		
<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>	<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>
25	98.8	4.8	25	99.6	1.6
50	97.5	5.2	50	96.3	13.2

Distance measured from outermost rail.

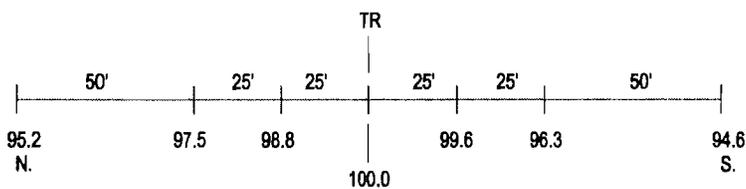
**COMMENTS:**

Stonington Township will be required to improve the north approach in order to meet the minimum requirements of 92 Ill. Adm. Code 1535, Code Part 1535.204 at its own expense. Since IL Route 48 is so close to the tracks, no approach work will be required on the south approach since it would be impossible to meet the minimum requirements unless Route 48 would be rebuilt to a much higher elevation, and that is cost prohibitive. The Grade Crossing Protection Fund will pay 95% of the cost to install automatic flashing light signals and gates. The NS will pay the remaining and maintain the same.

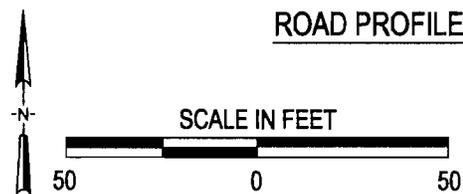
Page three will be the Location Sketch (Aerial Photo) of the crossing.



L:\CC\CHRISTIAN\4792288\4792288.DWG 12/10/09 12:24 TFC



ROAD PROFILE



③ Photo Location

Crossing #: 4792288  
 Location: Christian Co., City of Stonington (N)  
 Lat/Long: 39°39'11" / 89°10'38"  
 Railroad: NS  
 Street: TR232  
 Railroad Milepost: 394.19  
 Crossing Protection: Signs

**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 223S, mp 391.07 WA
<b>STREET, CITY, COUNTY</b>	Meridian Road (TR 16), Near Blue Mound, Macon County
<b>JURISDICTION (RDWY)</b>	Pleasant View Township
<b>LOCATION</b>	rural
<b>STREET SURFACE</b>	Chip seal, 16', good

**CROSSING DATA:** Also 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>
SW-NE	rubber and asphalt	32'	good

**ROADWAY DATA:** See Location Sketch

<b>INTERSECTING ROADS:</b>	IL Route 48 is 90' south
<b>TRAFFIC CONTROL</b>	N/A
<b>ADT &amp; SPEED</b>	75 Vehicles Per Day @ 55 MPH
<b>TRAFFIC TYPE</b>	possible School Busses, Hazardous Materials, Other
<b>ADVANCE WARNING</b>	Yes on township road, none on highway
<b>PAVEMENT MARKING</b>	

**RAILROAD DATA:** See Location Sketch

<b>FREIGHT TRAFFIC</b>	13 Per day @ 60 MPH, Day & Night
<b>PASSENGER TRAFFIC</b>	N/A
<b>WARNING DEVICES</b>	Cross bucks with yield signs

**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>	642	<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*		*25	House, trees
<b>NW</b>	*ok		*50	bins, corn
<b>SE</b>	*ok		ok*	But bad angle for visibility
<b>SW</b>	*ok		ok*	But bad angle for visibility

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

**APPROACH GRADES:** See Location Sketch

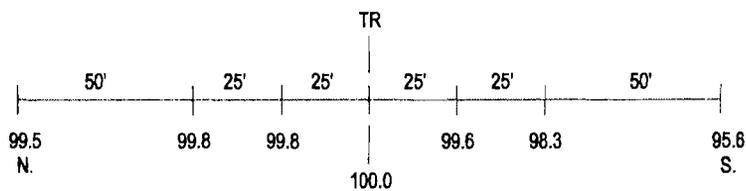
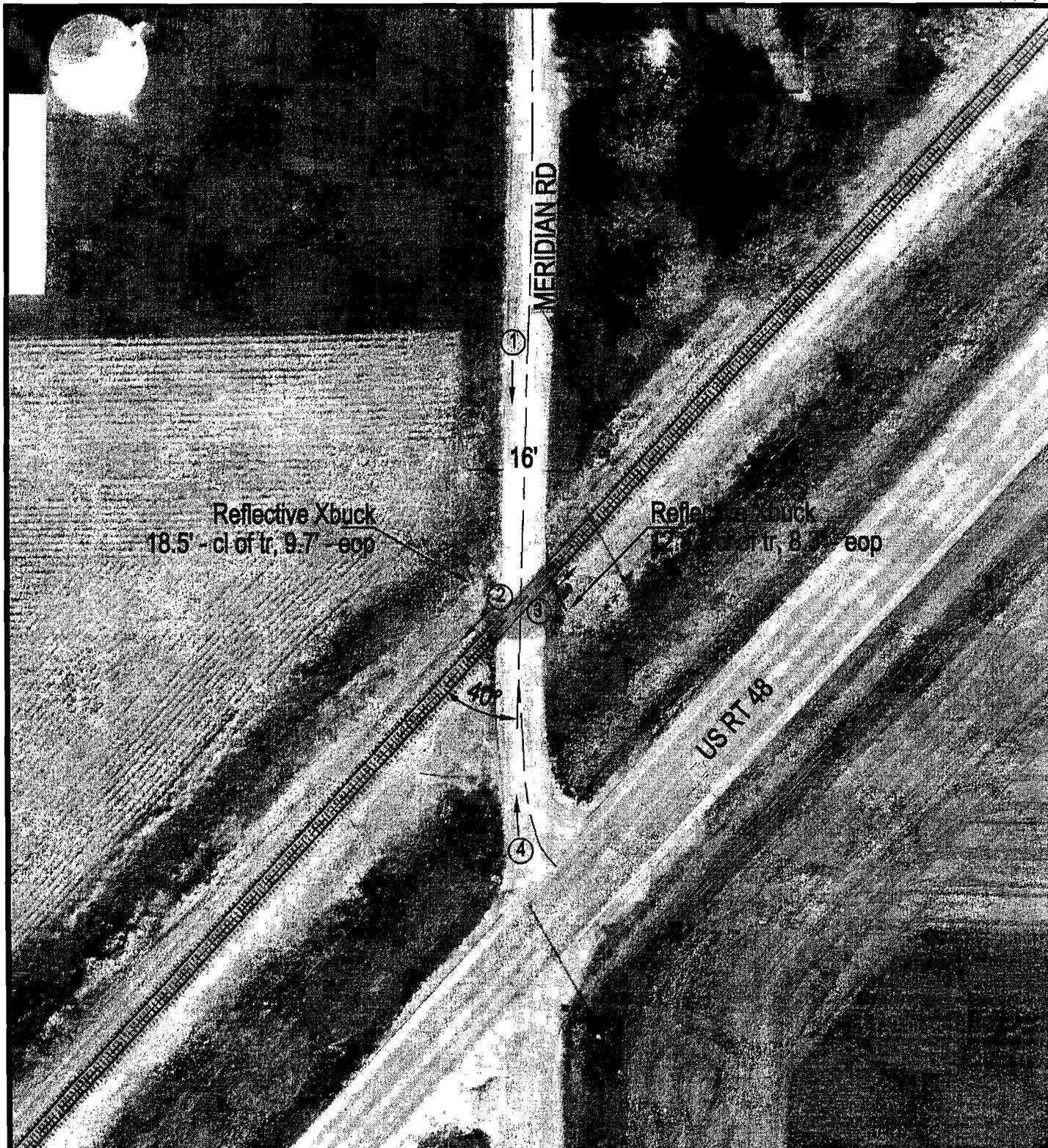
<b>DIRECTION NORTH</b>			<b>DIRECTION SOUTH</b>		
<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>	<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>
25	99.8	0.8	25	99.6	1.6
50	99.8	0	50	98.3	5.2

Distance measured from outermost rail.

**COMMENTS:**

The Grade Crossing Protection Fund will pay 95% of the cost to install automatic flashing light signals and gates. The NS will pay the remaining and maintain the same. Pleasant View Township will not have to participate monetarily due to its present poor economic condition.

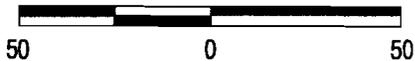
Page three will be the Location Sketch (Aerial Photo) of the crossing.



ROAD PROFILE



SCALE IN FEET



③ Photo Location

Crossing #: 479223S  
 Location: Macon Co., City of Blue Mound (N)  
 Lat/Long: 39°41'17" / 89°08'23"  
 Railroad: NS  
 Street: Meridian Rd  
 Railroad Milepost: 391.07  
 Crossing Protection: Signs



**Detailed Estimate for Grade Crossing Warning Devices**

City/State: STONINGTON, IL

Road: TR-23

MilePost: D-394.19

DOT/AAR: 479228B

State Proj. No.:

County: CHRISTIAN

S&E Proj. No.: 04.0605

AFE: F01993

Man Days: 120

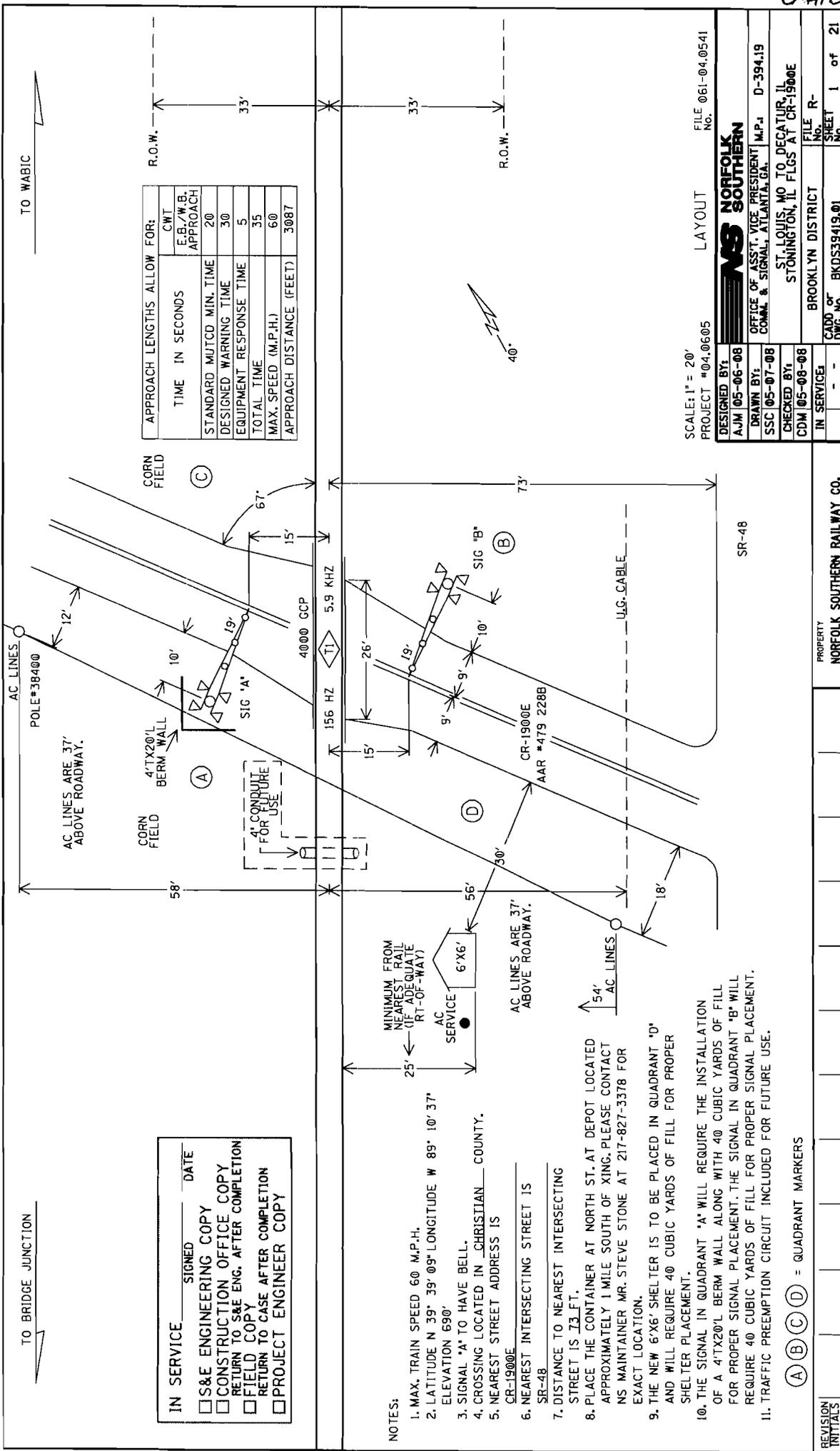
File Number: 061-04.0541

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$15,379.20
Rental of Equipment:	\$27,234.00
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 30 Days)	
Construction Supervision Vehicle:	\$2,178.72
<b>Purchases - Other Total:</b>	<b>\$44,791.92</b>
<b>***Material And Additives***</b>	
Material Cost:	\$108,326.00
Sales and Use Tax:	\$5,416.00
Material Handling Freight:	\$5,416.29
<b>Material Total:</b>	<b>\$119,158.29</b>
<b>***Labor And Additives***</b>	
Labor Cost:	\$32,040.00
(4 man crew at \$1,068.00 a day for: 30 days)	
Payroll Tax & Overheads:	\$31,607.46
Preliminary Engineering:	\$12,352.20
Construction Supervision:	\$9,044.89
<b>Labor Total:</b>	<b>\$85,044.55</b>
Project Cost:	\$248,994.76
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$248,994.76</b>

Estimated on: 16-May-08

Estimated by: nbije

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



APPROACH LENGTHS ALLOW FOR:

TIME IN SECONDS	CWT
STANDARD MUTCD MIN. TIME	E.B./W.B. APPROACH
DESIGNED WARNING TIME	20
EQUIPMENT RESPONSE TIME	30
TOTAL TIME	5
MAX. SPEED (M.P.H.)	35
APPROACH DISTANCE (FEET)	60
	3087

SCALE: 1" = 20'

PROJECT #04.0605

LAYOUT

FILE #01-04.0541

**NORFOLK SOUTHERN**

OFFICE OF ASST. VICE PRESIDENT  
COMM. & SIGNAL, ATLANTA, GA. M.P.# D-394.19

DESIGNED BY: AJM 05-06-08

DRAWN BY: SSC 05-07-08

CHECKED BY: CDM 05-08-08

IN SERVICE: - - -

FILE NO. ST. LOUIS MO TO DECATUR, IL

SHEET NO. BROOKLYN DISTRICT

DWG. NO. BKDS39419.01

SHEET 1 of 21

IN SERVICE \_\_\_\_\_ SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

S&E ENGINEERING COPY

CONSTRUCTION OFFICE COPY

RETURN TO S&E ENG. AFTER COMPLETION

FIELD COPY

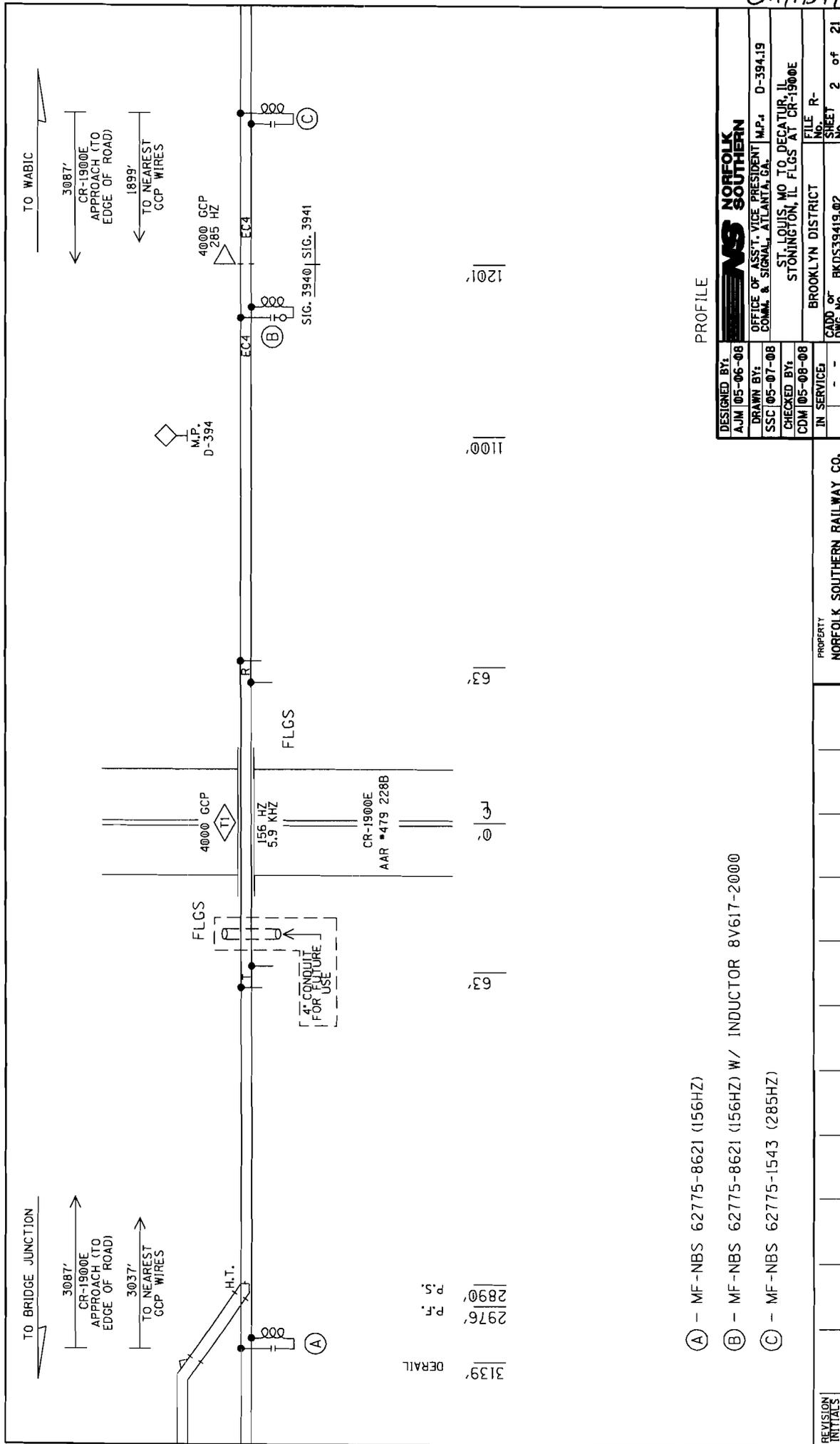
RETURN TO CASE AFTER COMPLETION

PROJECT ENGINEER COPY

- NOTES:
1. MAX. TRAIN SPEED 60 M.P.H.
  2. LATITUDE N 39° 39' 09" LONGITUDE W 89° 10' 37" ELEVATION 690'
  3. SIGNAL 'A' TO HAVE BELL.
  4. CROSSING LOCATED IN CHRISTIAN COUNTY.
  5. NEAREST STREET ADDRESS IS CR-1900E
  6. NEAREST INTERSECTING STREET IS SR-48
  7. DISTANCE TO NEAREST INTERSECTING STREET IS 73 FT.
  8. PLACE THE CONTAINER AT NORTH ST. AT DEPOT LOCATED APPROXIMATELY 1 MILE SOUTH OF XING. PLEASE CONTACT NS MAINTAINER MR. STEVE STONE AT 217-827-3378 FOR EXACT LOCATION.
  9. THE NEW 6'X6' SHELTER IS TO BE PLACED IN QUADRANT 'D' AND WILL REQUIRE 40 CUBIC YARDS OF FILL FOR PROPER SHELTER PLACEMENT.
  10. THE SIGNAL IN QUADRANT 'A' WILL REQUIRE THE INSTALLATION OF A 4"TX20" L BERM WALL ALONG WITH 40 CUBIC YARDS OF FILL FOR PROPER SIGNAL PLACEMENT. THE SIGNAL IN QUADRANT 'B' WILL REQUIRE 40 CUBIC YARDS OF FILL FOR PROPER SIGNAL PLACEMENT.
  11. TRAFFIC PREEMPTION CIRCUIT INCLUDED FOR FUTURE USE.

(A) (B) (C) (D) = QUADRANT MARKERS

REVISION	INITIALS	PROPERTY
		NORFOLK SOUTHERN RAILWAY CO.



PROFILE

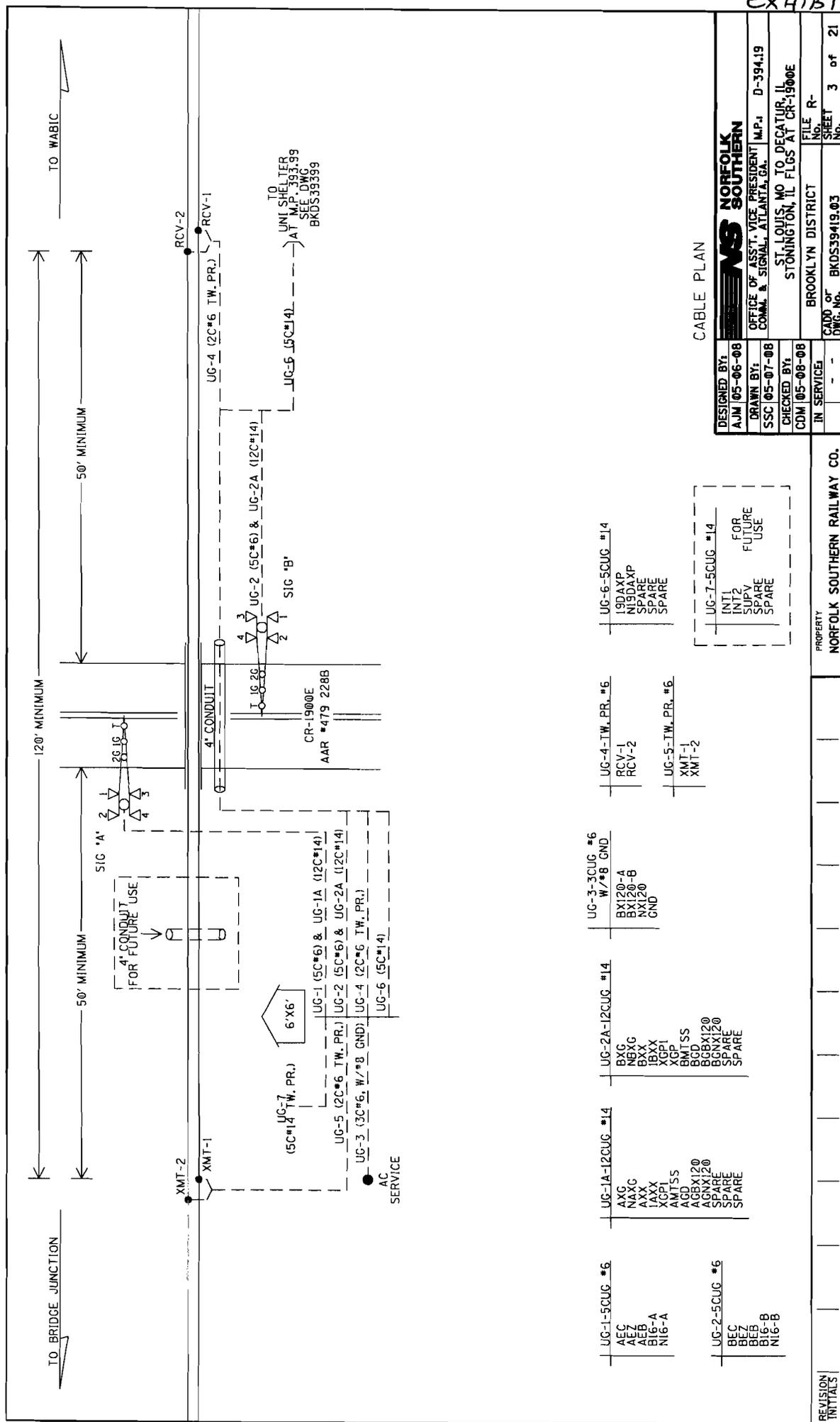
DESIGNED BY: AJM 05-06-08	<b>NORFOLK SOUTHERN</b>
DRAWN BY: SSC 05-07-08	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA. M.P. 1 D-394.19
CHECKED BY: CDM 05-08-08	ST. LOUIS, MO TO DECATUR, IL STONINGTON, IL FLGS AT CR-1900E
IN SERVICE	FILE R- BROOKLYN DISTRICT
	NO. SHEET 2 of 21
	NO. DWG. BKDS39419.02

DERAIL  
P.S. 2976  
P.S. 2890  
3139

- (A) - MF-NBS 62775-8621 (156HZ)
- (B) - MF-NBS 62775-8621 (156HZ) W/ INDUCTOR 8V617-2000
- (C) - MF-NBS 62775-1543 (285HZ)

PROPERTY  
NORFOLK SOUTHERN RAILWAY CO.

REVISION  
INITIALS



CABLE PLAN

DESIGNED BY:	AJM 05-06-08
DRAWN BY:	SSC 05-07-08
CHECKED BY:	CDM 05-08-08
IN SERVICE:	- - -
FILE NO.:	BKDS39419.03
SHEET NO.:	3 of 21

**NORFOLK SOUTHERN**  
 OFFICE OF ASS'T. VICE PRESIDENT  
 COMM. & SIGNAL, ATLANTA, GA. M.P. 1 D-394.19  
 ST. LOUIS, MO TO DECATUR, IL  
 STONINGTON, IL FLS AT CR-1900E  
 BROOKLYN DISTRICT

- UG-6-5CUG #14  
 19DAXP  
 N19DAXP  
 SPARE  
 SPARE
- UG-7-5CUG #14  
 INTD  
 LNIPV  
 SPARE  
 SPARE

- UG-4-TW, PR. #6  
 RCV-1  
 RCV-2
- UG-5-TW, PR. #6  
 XMT-1  
 XMT-2

- UG-3-3CUG #6  
 W/#8 GND  
 BX120-A  
 BX120-B  
 NX120  
 GND

- UG-2A-12CUG #14  
 BXG  
 NBXG  
 BXX  
 IBXX  
 XGP1  
 XGP  
 BMTSS  
 BGD  
 BGD BX120  
 BGNX120  
 SPARE  
 SPARE

- UG-1A-12CUG #14  
 AXG  
 AFX  
 AXB  
 IAXX  
 XGP1  
 AMTSS  
 AGD  
 AGRX120  
 AGNX120  
 SPARE  
 SPARE

- UG-1-5CUG #6  
 AFX  
 AFB  
 B16-A  
 N16-A
- UG-2-5CUG #6  
 BEC  
 BEB  
 B16-B  
 N16-B

PROPERTY  
 NORFOLK SOUTHERN RAILWAY CO.

REVISION  
 INITIALS



**Detailed Estimate for Grade Crossing Warning Devices**

City/State: BLUE MOUND, IL  
MilePost: D-391.07  
State Proj. No.:  
S&E Proj. No.: 04.0600  
Man Days: 88

Road: TR-16  
DOT/AAR: 479223S  
County: MACON  
AFE: f01991  
File Number: 061-04.0539

<b>***Purchases - Others***</b>	
Meals and Lodging:	\$10,644.48
Rental of Equipment:	\$18,849.60
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 22 Days)	
Construction Supervision Vehicle:	\$1,507.97
Purchases - Other Total:	\$31,002.05
<b>***Material And Additives***</b>	
Material Cost:	\$67,218.00
Sales and Use Tax:	\$3,361.00
Material Handling Freight:	\$3,360.90
Material Total:	\$73,939.90
<b>***Labor And Additives***</b>	
Labor Cost:	\$22,176.00
(4 man crew at \$1,008.00 a day for: 22 days)	
Payroll Tax & Overheads:	\$21,876.62
Preliminary Engineering:	\$7,866.67
Construction Supervision:	\$6,260.28
Labor Total:	\$58,179.57
Project Cost:	\$163,121.52
Scrap / Salvage Credit:	\$0.00
<b>Project Total:</b>	<b>\$163,121.52</b>

Estimated on: 18-Mar-08

Estimated by: enrhr

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

TO LUTHER

TO WABIC

**RECEIVED**  
 APR 9 2004  
 Illinois Commerce Commission  
 RAIL SAFETY SECTION

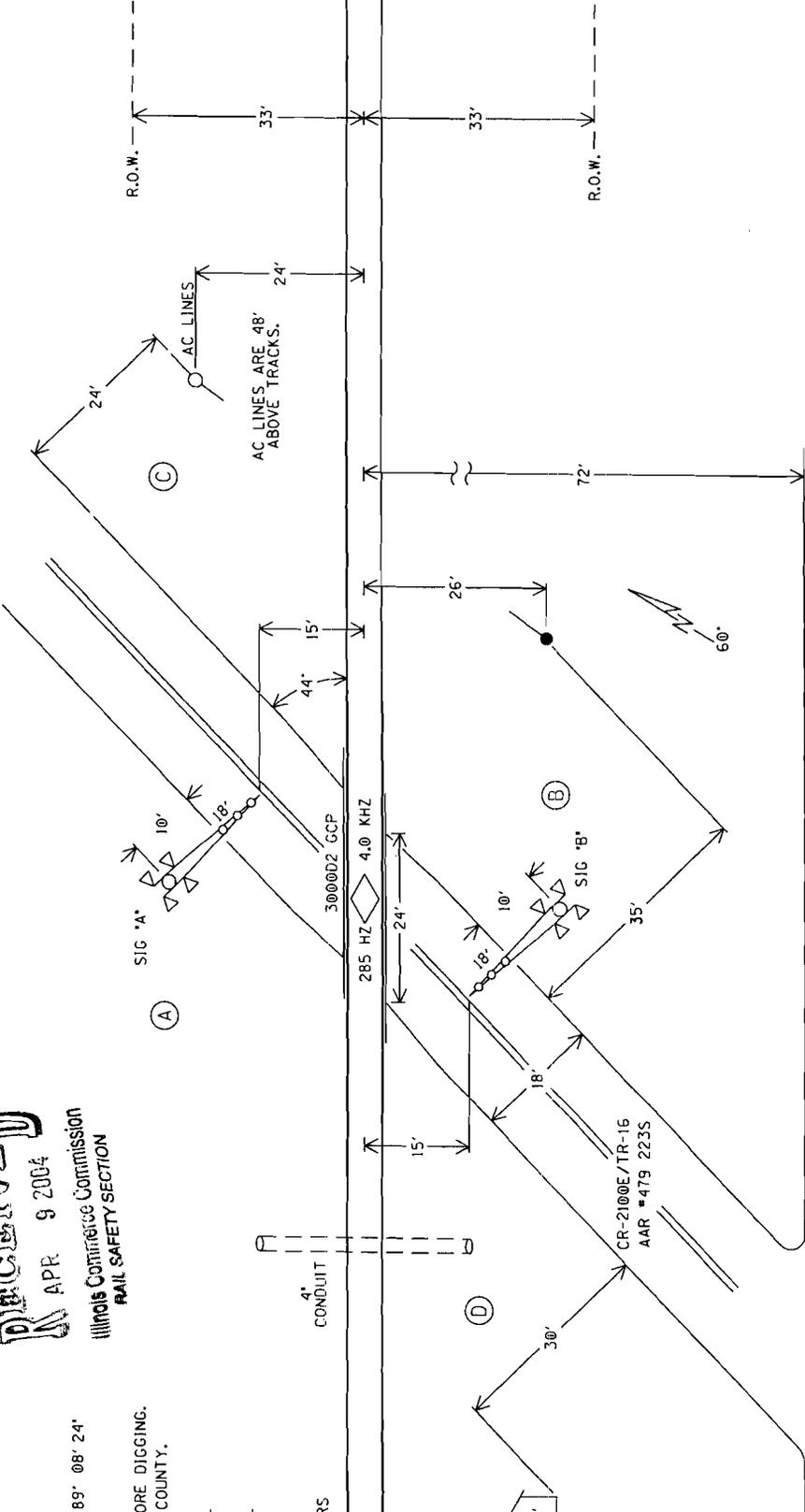
1. MAX. TRAIN SPEED 60 M.P.H.  
 2. LATITUDE N 39° 41' 15" LONGITUDE W 89° 08' 24" ELEVATION 575'  
 3. SIGNAL 'A' TO HAVE BELL.  
 4. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.  
 5. CROSSING LOCATED IN MALCON COUNTY.  
 6. NEAREST STREET ADDRESS IS N/A  
 7. NEAREST INTERSECTING STREET IS US-48  
 8. DISTANCE TO NEAREST INTERSECTING STREET IS 20 FT.

(A) (B) (C) (D) = QUADRANT MARKERS

MINIMUM FROM NEAREST RAIL (IF ADEQUATE RT-OF-WAY)

APPROACH LENGTHS ALLOW FOR:

TIME IN SECONDS	CWT	E.B./W.B. APPROACH
STANDARD MUTCD MIN. TIME	20	
DESIGNED WARNING TIME	30	
EQUIPMENT RESPONSE TIME	5	
TOTAL TIME	35	
MAX. SPEED (M.P.H.)	60	
APPROACH DISTANCE (FEET)	3087	
SIMULTANEOUS PREEMPTION	N/A	



IN SERVICE \_\_\_\_\_ SIGNED \_\_\_\_\_ DATE \_\_\_\_\_  
 S&E ENGINEERING COPY  
 CONSTRUCTION OFFICE COPY  
 RETURN TO S&E ENG. AFTER COMPLETION  
 FIELD COPY  
 RETURN TO CASE AFTER COMPLETION  
 PROJECT ENGINEER COPY

US-48

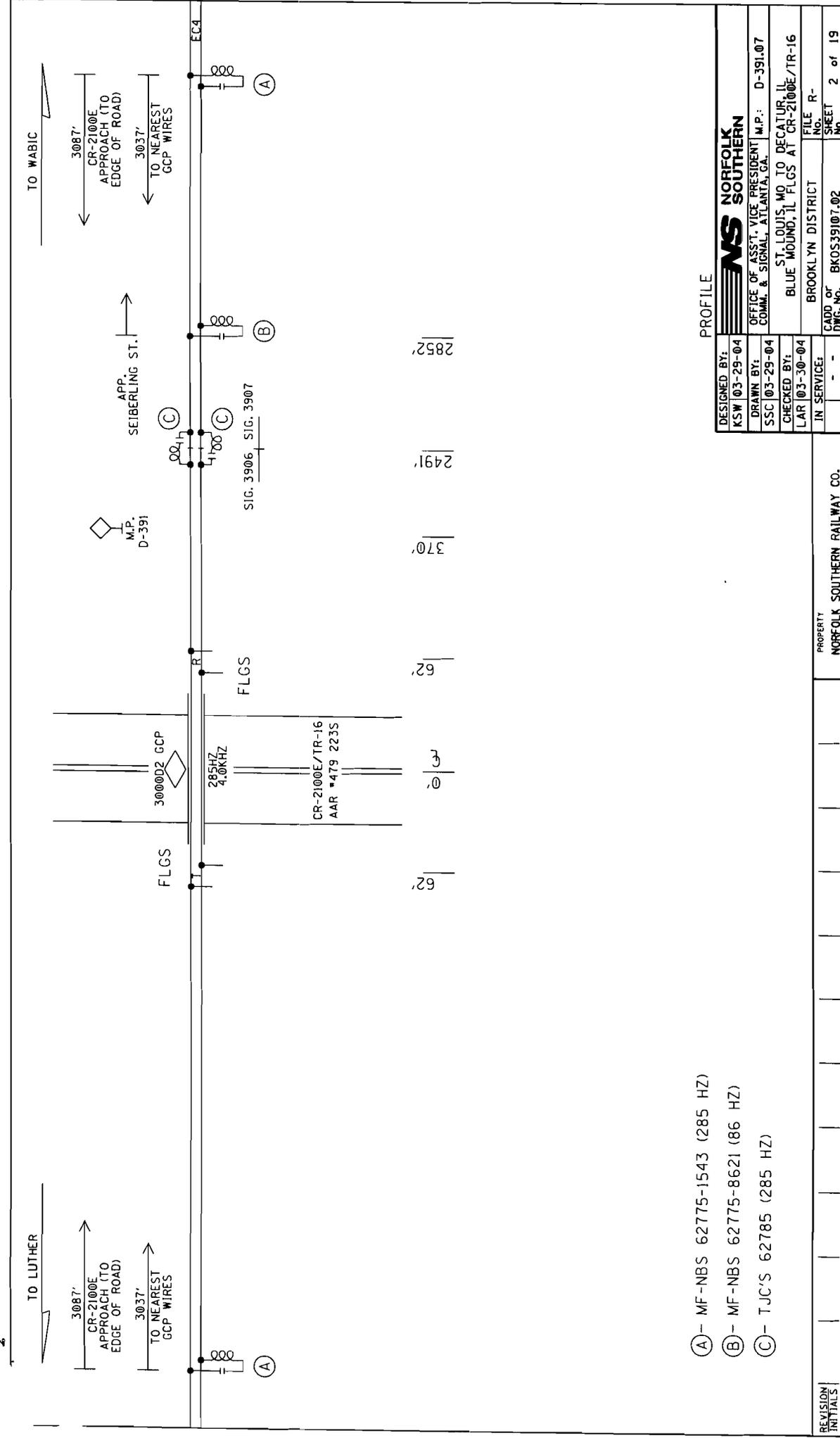
SCALE: 1" = 20'  
 PROJECT #04.0600  
 LAYOUT  
 FILE #061-04.539

**NORFOLK SOUTHERN**  
 OFFICE OF ASS'T. VICE PRESIDENT  
 COMM. & SIGNAL, ATLANTA, GA. M.P.: D-391.07  
 BLUE MOUND, IL FLCS AT CR-2100E/TR-16  
 BROOKLYN DISTRICT  
 FILE NO. R-  
 CADW. NO. BKDS39107.01  
 SHEET NO. 1 of 19

PROPERTY  
 NORFOLK SOUTHERN RAILWAY CO.

REVISION INITIALS

EXHIBIT B2, P.2



- (A) MF-NBS 62775-1543 (285 HZ)
- (B) MF-NBS 62775-8621 (86 HZ)
- (C) TJC'S 62785 (285 HZ)

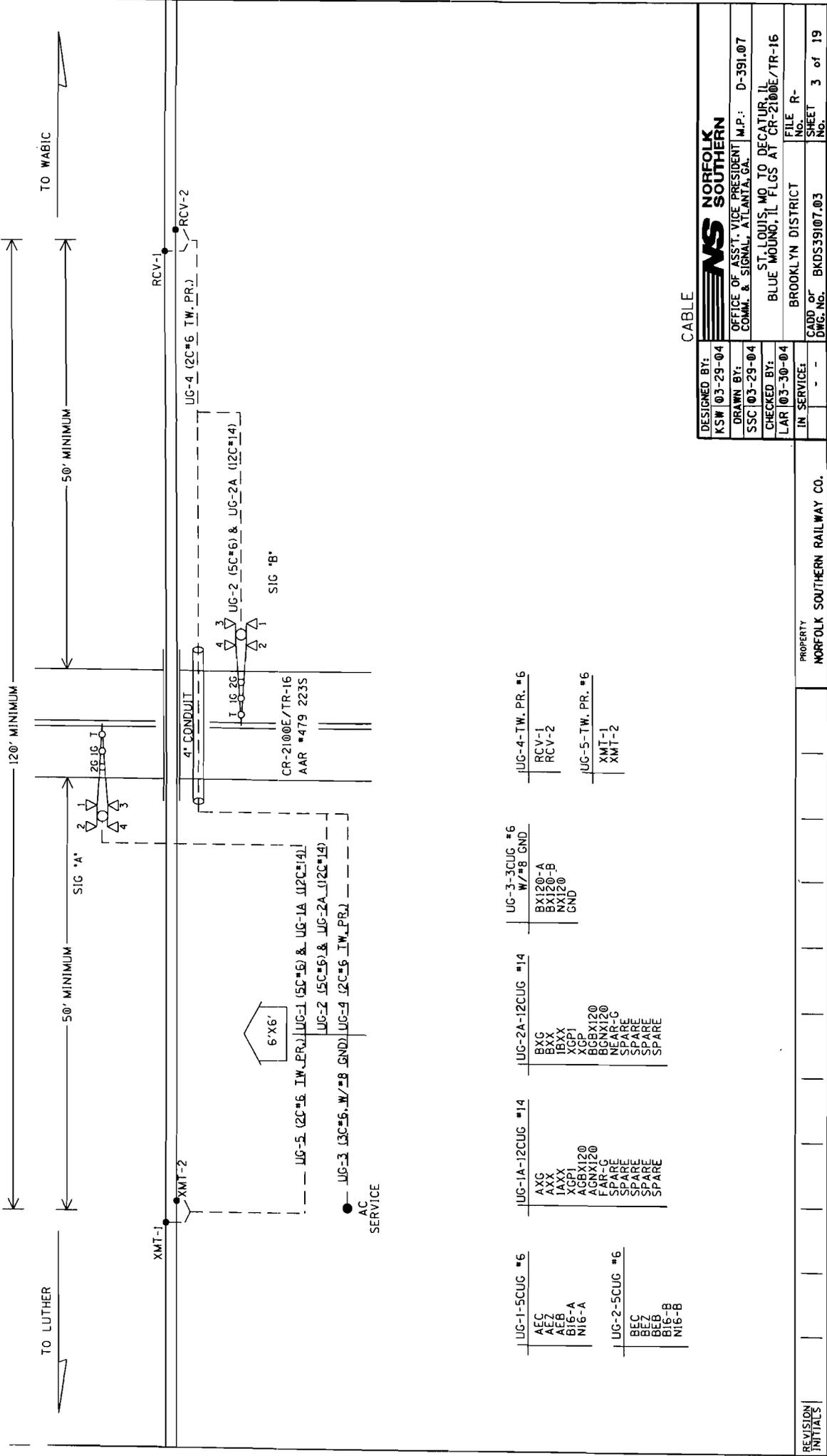
PROFILE

DESIGNED BY:	KSW 03-29-04
DRAWN BY:	SSC 03-29-04
CHECKED BY:	LAR 03-30-04
IN SERVICE:	- -
FILE R-NO.	BROOKLYN DISTRICT
SHEET	2 of 19

**NS NORFOLK SOUTHERN**  
 OFFICE OF ASST. VICE PRESIDENT  
 COMM. & SIGNAL, ATLANTA, GA. M.P.: D-391.07  
 ST. LOUIS, MO TO DECATUR, IL  
 BLUE MOUND, IL FLGS AT CR-2100E/TR-16

PROPERTY  
 NORFOLK SOUTHERN RAILWAY CO.

REVISION  
 INITIALS



UG-1-5CUG #6 AEC AEB B16-A N16-A	UG-2-5CUG #6 BEC BEB B16-B N16-B	UG-1A-12CUG #14 AXX IBXX XGPI AGBX120 FAR-G SPARE SPARE SPARE SPARE	UG-2A-12CUG #14 BXX IBXX XGPI EGBX120 EGNX120 NEAR-G SPARE SPARE SPARE	UG-3-3CUG #6 W/#8 GND BX120-A BX120-B NX120 GND	UG-4-TW, PR, #6 RCV-1 RCV-2	UG-5-TW, PR, #6 XMT-1 XMT-2
--	--	--	---	--	-----------------------------------	-----------------------------------

CABLE

DESIGNED BY: KSW 03-29-04	<b>NORFOLK SOUTHERN</b>
DRAWN BY: SSC 03-29-04	OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA. M.P.: D-391.07
CHECKED BY: LAR 03-30-04	ST. LOUIS, MO. TO DECATUR, IL BLUE MOUND, IL FLGS AT CR-2100E/TR-16
IN SERVICE:	BROOKLYN DISTRICT
	FILE No. R-
	CADD No. BKDS39107.03
	SHEET No. 3 of 19

REVISION INITIALS	PROPERTY	NORFOLK SOUTHERN RAILWAY CO.
-------------------	----------	------------------------------

Section 1535.204 Grade Line of Highway Approaches

- a) Unless the Commission otherwise specifically orders, the grade line of highway approaches to grade crossings hereafter established or substantially reconstructed shall be as follows: From the outer rail of the outermost track coincident with a tangent to the tops of the rails for about 24 inches, thence for a distance of 25 feet ascending or descending at a grade which shall not deviate more than 1% from said tangent, thence to the right-of-way line (and as far beyond as the Commission's control may extend in any case) at a grade not to exceed 5%. Where super-elevated track or tracks make strict compliance with this Section impractical the grade of approaches shall be constructed so as to provide the best vertical alignment under the circumstances with due regard to surface regularity.
  
- b) The width, transverse contour, type of surface or pavement, and other characteristics of each such approach to a grade crossing shall be suitable for the highway and shall in every case conform to the requirements of good practice.

**ILLINOIS COMMERCE COMMISSION  
TRANSPORTATION DIVISION / RAIL SAFETY SECTION  
PROJECT STATUS REPORT:**

**TYPE:** (CHECK ONE)

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

DATE	8-14-08
------	---------

**PROJECT INFORMATION:**

Reporting Party:	Stonington Twp in Christian County and Pleasant View Twp in Macon County
Docket/Order #; Date:	TC8-0113
Status Reports Due:	
Ordered Completion Date:	
Completion Report Due <sup>1</sup> :	
AAR/DOT#, Milepost:	479228B ; MP 394.19-WA and 479223S; 391.07-WA
Street, (in/near) City, County:	1900E near Stonington and Meridian Rd near Blue Mound
Railroad Company:	Norfolk Southern

<sup>1</sup>Completion reports involving changes to the railroad crossing must include an updated USDOT Inventory Form.

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

Name:	Cliff Frye
Title:	Christian County Engineer
Representing:	Stonington Township /Bernie DeClerck
Street Address:	1000 N. Cheney Street (County Highway Garage)
City, State, Zip:	Taylorville, IL 62568
Office Phone:	(217) 824-2606
Office Fax:	(217) 824-2913
Cellular Phone:	
E-Mail Address:	christiancoeng@ctitech.com

<sup>2</sup>Project Manager Information to be submitted by Roadway Authorities and Railroad Company

**DESCRIPTION OF IMPROVEMENT(S) ORDERED:**

- Installation of automatic flashing light signals and gates with a bell, controlled by constant warning time circuitry, and equipped with an event recorder, by the Company (at both crossings).
- Installation of temporary STOP signs at both of the crossings within 30 days of a Commission Order for the installation of new automatic warning devices, by the Company.
- Reconstruction of the existing north highway approach grade on 1900E, to meet the minimum requirements of 92 Ill. Adm. Code 1535.204 (Exhibit C), by Stonington Township.
- Installation of Highway-Rail Grade Crossing Advance Warning Signs (W10-2) on Illinois Route 48, as per the Manual on Uniform Traffic Control Devices (MUTCD), section 8B.03, by IDOT.

**STATUS OF WORK:**

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

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, Rail 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/formswizard.aspx>

The billing address for **Grade Crossing Protection Fund** reimbursement is:

**SIGNAL WORK**

Illinois Department of Transportation  
Fiscal Control Unit  
Bureau of Local Roads and Streets  
2300 South Dirksen Parkway  
Springfield, Illinois 62764

**APPROACH/BRIDGE WORK**

IDOT, District ##  
Address

**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
--	-------------------	---

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

**PROJECT STATUS REPORT:**

**TYPE:** (CHECK ONE)

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

DATE	8-14-08
------	---------

**PROJECT INFORMATION:**

Reporting Party:	Norfolk Southern Railway Company
Docket/Order #; Date:	708-0113
Status Reports Due:	
Ordered Completion Date:	
Completion Report Due <sup>1</sup> :	
AAR/DOT#, Milepost:	479228B ; MP 394.19-WA and 479223S; 391.07-WA
Street, (in/near) City, County:	1900E near Stonington and Meridian Rd near Blue Mound
Railroad Company:	Norfolk Southern

<sup>1</sup>Completion reports involving changes to the railroad crossing must include an updated USDOT Inventory Form.

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

Name:	Dennis Keith
Title:	Production and Material Control
Representing:	Norfolk Southern
Street Address:	99 Spring Street, Box 123
City, State, Zip:	Atlanta, Georgia 30303
Office Phone:	404-529-1009
Office Fax:	404-527-1174
Cellular Phone:	
E-Mail Address:	dlkeith@nscorp.com

<sup>2</sup>Project Manager Information to be submitted by Roadway Authority and Railroad Company

**DESCRIPTION OF IMPROVEMENT(S) ORDERED:**

- Installation of automatic flashing light signals and gates with a bell, controlled by constant warning time circuitry, and equipped with an event recorder, by the Company (at both crossings).
- Installation of temporary STOP signs at both of the crossings within 30 days of a Commission Order for the installation of new automatic warning devices, by the Company.
- Reconstruction of the existing north highway approach grade on 1900E, to meet the minimum requirements of 92 Ill. Adm. Code 1535.204 (Exhibit C), by Stonington Township.
- Installation of Highway-Rail Grade Crossing Advance Warning Signs (W10-2) on Illinois Route 48, as per the Manual on Uniform Traffic Control Devices (MUTCD), section 8B.03, by IDOT.

**STATUS OF WORK:**

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

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, Rail 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/formswizard.aspx>

The billing address for **Grade Crossing Protection Fund** reimbursement is:

**SIGNAL WORK**

Illinois Department of Transportation  
Fiscal Control Unit  
Bureau of Local Roads and Streets  
2300 South Dirksen Parkway  
Springfield, Illinois 62764

**APPROACH/BRIDGE WORK**

IDOT, District ##  
Address

**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
--	-------------------	---