Hampton, Lenzini and Renwick, Inc.
Civil Engineers • Structural Engineers • Land Surveyors
www.hlrengineering.com

December 24, 2009
Springfield, Illinois

RECEIVED
DEC 28 2009
Illinois Commerce Commission
RAIL SAFETY SECTION

Mr. Joe VonDeBur
Illinois Commerce Commission
527 East Capital Avenue
Springfield, Illinois 62701

Re: Grade Crossing Protection Fund Application
Jefferson County / Webber Township
CN / IC @ MP 37.0

Dear Mr. VonDeBur:

We are submitting applications on behalf of Jefferson County Highway Department and the Webber Township on the above referenced project for Grade Crossing Protection Funds. We request this project be scheduled in your earliest program in the 2011 fiscal year. We are requesting a 60% contribution from the GCPF. The portion of local funding has been committed as early as FY 2010. The Local share will be a combination of Township Bridge Funds and Highway Bridge Program Funds. The bridge is currently considered in critical condition. The following is a breakdown of project costs and anticipated funding.

Funding FY 2010			Funding Share		
Crossing No.	Route	Project Cost	Local	GCPF-ICC 60%	CN/IC 10%
295 155G	Denker Road (TR 165B)	$721,350	$216,400	$432,800	$ 72,150

We appreciate your assistance with this project. This crossing is in a series of planned improvement of structures on the entire CN/IC corridor through Jefferson County. Please contact me in our Springfield office if you have any questions or need additional information.

Very truly yours,

HAMPTON, LENZINI AND RENWICK, INC.

Steven W. Megginson, P.E., S.E.
Vice President

SWM:jab
Enclosure
c: Steve Schnake, Jefferson County
John Hendrickson CN/IC
Richard Melcher, IDOT D-9
P:\2009\090172\Docs\09.0172.008 ICC Application.doc

380 Shepard Drive
Elgin, Illinois 60123-7010
Tel. 847-697-6700
Fax 847-697-6753

3085 Stevenson Drive, Suite 201
Springfield, Illinois 62703
Tel. 217-546-3400
Fax 217-546-8116

ILLINOIS COMMERCE COMMISSION
CROSSING SAFETY IMPROVEMENT PROGRAM
GRADE CROSSING PROTECTION FUND PROJECT INFORMATION
Public Highway - Rail Bridge Projects

I. General Information

Applicant Type: ☐ City ☐ Village ☐ Town ☐ County ☒ Township ☐ Railroad
Resubmission: ☐ Yes ☒ No Company Name: Hampton, Lenzini & Renwick
Applicant Name: Webber Township Population: 2,344
Chief Elected Official: Terry Marlow Title: Highway Commissioner
Business Address: 12814 North Dove Lane
City: Bluford State: IL Zip: 62814
Business Phone: Business Fax:
Email Address (if applicable):
State Legislative District: Senate: 54 Rep: 107

II. Project Administrator

Contact Person: Mr. Steve Schnake Title: County Engineer
Company: Jefferson County Highway Department
Address: 750 Old Fairfield Road
City: Mt. Vernon State: IL Zip: 62864
Business Phone: (618) 242-8031 Business Fax: (618) 242-3393
Email Address (if applicable):

III. General Project Information

(Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement)

County: Jefferson ☐ In City ☒ Near City City: Bluford
Street/Roadway Name: TR 165B/Denker Road/1775N
Railroad: CN/IC Crossing Number: 295155G Railroad Milepost 37.0

Average Daily Traffic (ADT): 25 (Number of Cars per Day over the Crossing) Daily Train Traffic: 16 (Number of Trains per Day)
Number of School Buses over Crossing per Day: 2
Do vehicles carrying hazardous materials use crossing? ☐ Yes ☒ No

If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
During farming season vehicles carrying anhydrous ammonia,fertilizer, and fuel use the strucure.

Number of tracks through crossing: 1
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
1.4 mi. North (TR 117/1925N overpass) 0.9 mi. South(TR165A/Wood Duck Road underpass)

Crossing is currently: ☒ Grade Seperation ☐ An At-Grade Crossing ☐ No Crossing
If crossing is currently a grade crossing, identify the existing warning device type:

☐ None ☐ Center Median or Median Barriers ☐ Automatic Flashing Light Signals and Gates
☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
☐ Other (please specify)

Are railroad signals interconnected with traffic signals at this location: ☐ Yes ☐ No ☒ N/A
If nearest roadway crossing is currently a grade seperation, provide the following information:
☐ Highway Over Railroad ☒ Highway Under Railroad
Number of Traffic Lanes 1 Width of Pavement 16'
Vertical Clearance 20'-2"

IV. Project Location Map and/or Photographs

A project location map must be included with the application. The project location map must show the crossing(s) for which application is being submitted, as well as any other improvements that are being submitted in conjunction with this application. If project is a part of a "corridor" project, indicate the limits of the entire "corridor" on the map. Paper size shall not exceed 11 x 17 inches. **If the bridge will replace a grade crossing, provide a minimum of 4 digital photographs of the existing crossing (photos should show the existing warning devices, the existing crossing surface, and the existing highway approaches). If the new structure will replace an existing bridge, provide a minimum of 3 digital photographs of the existing structure (photos should show the width of the existing roadway surface on the bridge, the existing bridge spanning the railroad track, and the existing highway approaches.)**

V. Project Summary.

Application to (check all that apply):

☐ Reconstruct Existing Grade Separation ☒ Construct New Grade Separation

☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass

☐ Other (please specify) _____

Is application for: ☐ Design Only ☐ Construction only ☒ Design and Construction

Is application part of a larger "corridor" project: ☒ Yes ☐ No

Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade separation project. Approximate costs must be listed for each item of work to be done.

The proposed project would replace the existing single lane bridge and improve approach roadway grades. The existing bridge is in critical structural condition and is posted for a 30 ton limit. The existing bridge is structurally deficient for vehicular loading. The bridge carries only one lane of traffic, has poor vertical alignment and sight distance and has a restrictive vertical clearance over the railroad. See Exhibits E5 &E6

VI. Evidence of Community Effort and Support

Any preliminary engineering or planning studies, along with cost estimates, that have been prepared for this project must be included with your application. List any past efforts to improve safety at railroad crossings within applicant's jurisdiction. Any studies that have been conducted, regarding railroad crossing elimination or consolidation, must also be included.

The Jefferson County Highway Department and the Webber Township Highway Department have commissioned a preliminary engineering study for the project. The study encompasses the preliminary design and project costs for improvement and/or elimination for all crossings in Webber Township and Jefferson County. The County Highway Department is planning for improvements along the entire CN? IC corridor through Jefferson County.

VII. Financial Need

This narrative must justify the local government's need for assistance from the GCPF. One copy of the applicant's most recent financial audit must be included with your application (local government agencies only).

The estimated costs related to the improvement of this crossing and the project are far beyond the means of the applicant to fund this project. The current tax allotments for Webber Township would require multiple years of accumulation to fund this project.

VIII. Project Schedule

Provide information on when this project is anticipated to commence, or when improvements must be implemented. Provide an approximate timeline listing key milestones concerning the design and/or construction phases of the project.

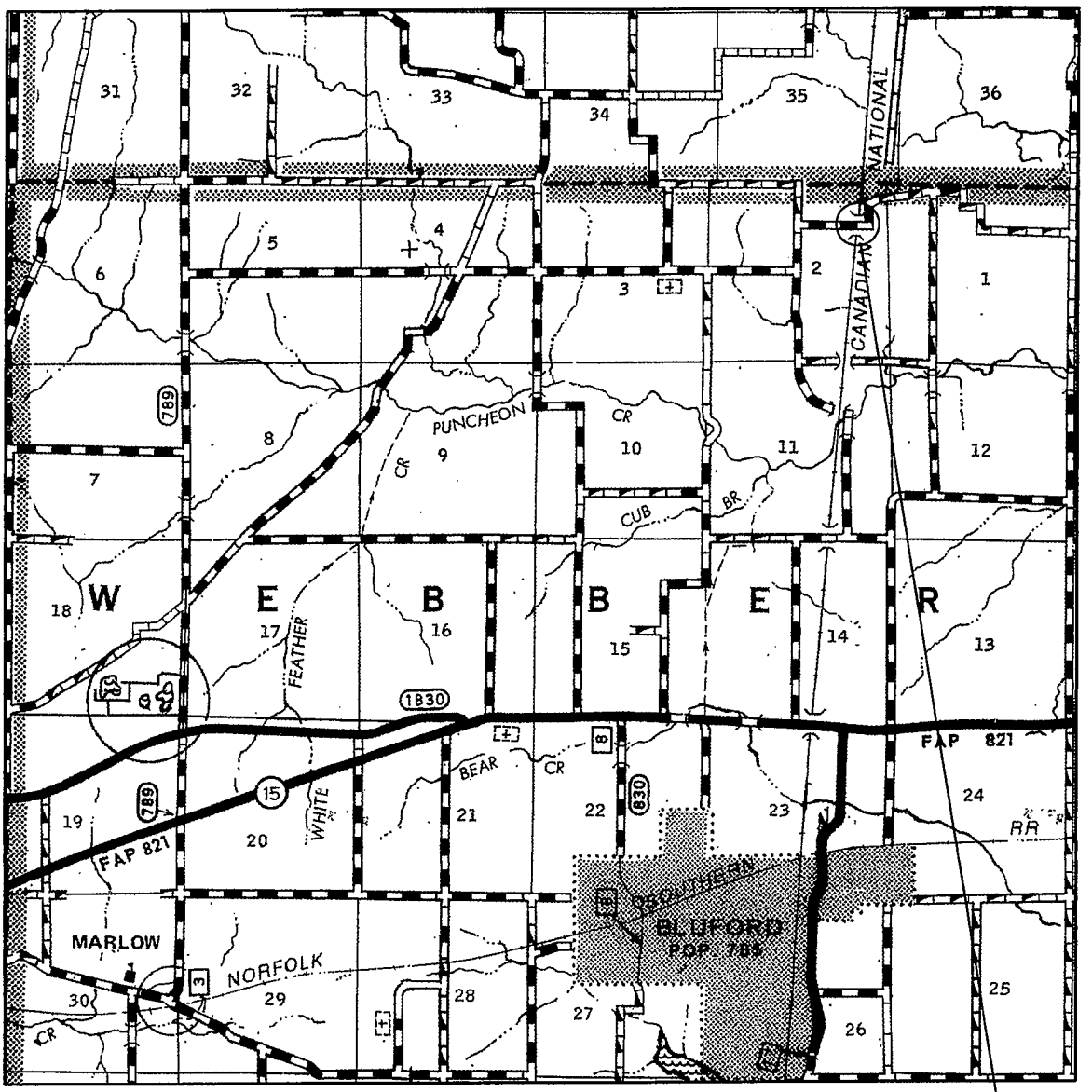
Design Engineering GCPF Application:	December 2009
GCP Funding Approval:	April 2010
Design, Project & Environmental Studies:	January 2010
Design Engineering Completed:	March 2010
Project Letting:	July 2010
Construction:	September 2010-July 2011

Print Form Reset Form

EXHIBITS

E-1	Location Map
E-2	Map of Crossing Locations
E-3	Preliminary project Cost Estimate
E-4	Estimate of Construction Costs
E-5	GP&E Sheet
E-6	Structure Typical Section
E-7	Master Structure Report
E-8	Grade Crossing Data
E-9	Plan & Profile Sheets
E-10	Traffic map
E-11	Photographs

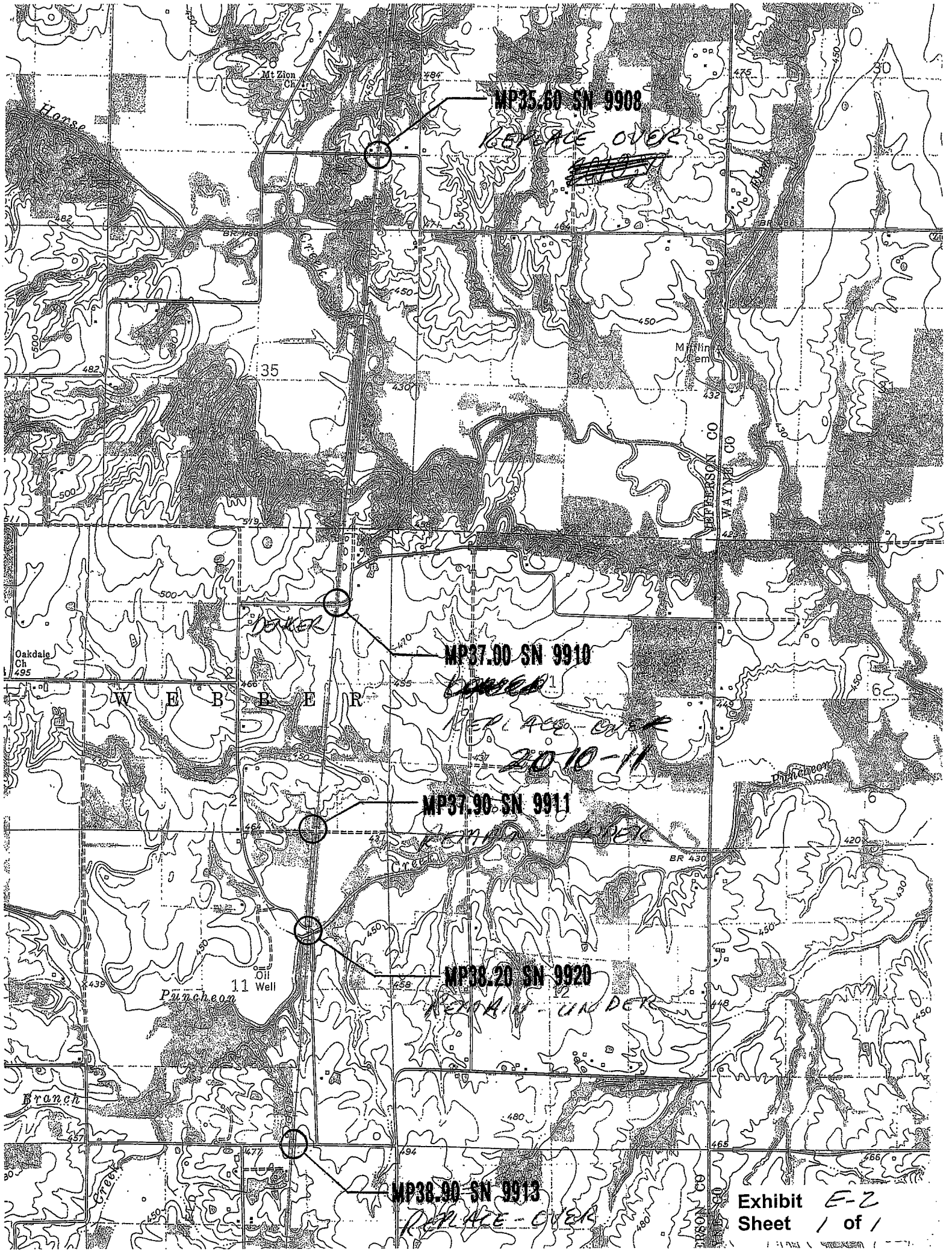
PROJECT LOCATION SKETCH



T.R. 165B (E. DENKER ROAD) OVER
C.N./I.C. RAILROAD @ M.P. 37.0
EXISTING STRUCTURE NO. 041-9910
ICC CROSSING NO. 295155G
PROPOSED STRUCTURE NO. 041-9932
3 SPAN PCC DECK BEAM BRIDGE
ON PILE BENT ABUTMENTS AND CONRETE
CRASHWALL / COLUMN PIERS.
3 SPANS @ 40'-0", 54'-0", 40'-0"
27'-0" DECK; 26'-4" FC.-FC. RAIL

JEFFERSON COUNTY, ILLINOIS
WEBBER ROAD DISTRICT

Exhibit E1
Sheet 1 of 1


MP35.60 SN 9908
REPLACE OVER
MP37.00 SN 9910
REPLACE - OVER
2010-11
MP37.90 SN 9911
REMAIN - UNDER
MP38.20 SN 9920
REMAIN - UNDER
MP38.90 SN 9913
REPLACE - OVER
WEBBER
Oakdale Ch
Mt Zion Ch
Horse Creek
Puncheon Branch
Oil Well
JEFFERSON CO
WAYNE CO
Exhibit E-2
Sheet 1 of 1

JEFFERSON COUNTY
WEBBER TOWNSHIP
E. DENKER ROAD / TR 165B
CN / IC RR @ MP 37
EX STR NO. 041-9910
12/21/2009

PRELIMINARY PROJECT COST ESTIMATE

1.	Construction (See Exhibit E-4)		$581,803.00
2.	Railroad Flagging		$30,000.00
		Construction Sub-Total	$611,803.00
3.	Right-of-Way Acquisition (Estimated at 0.49 acres)		$10,000.00
	Permanent Easement Railroad (Estimated at 0.31 acres)		$10,000.00
4.	Engineering		
	a. Preliminary Studies		$5,000.00
	b. Design (8% of Sub-Total)		$48,944.24
	c. Material Testing Sub-Consultant		$5,000.00
	d. Construction (5% of Sub-Total)		$30,590.15
		Sub-Total	$109,534.39
TOTAL ESTIMATED PROJECT COST			$721,337.39

PROPOSED PROJECT FUNDING

Grade Crossing Protection Funds	60.00%	x $72,1958.89 =		$432,802.43
CN / IC Railroad	10.00%			$72,133.74
Local Agency Funds	30.00%			$216,401.22
Highway Bridge Program		80.00%	$173,120.97	
Township Bridge		16.00%	$34,624.19	
Motor Fuel Tax		4.00%	$8,656.05	
TOTAL PROJECT FUNDING				$721,337.39

EXHIBIT E-3

PRELIMINARY
ESTIMATE OF COSTS

JEFFERSON COUNTY
WEBBER TOWNSHIP
E. DENKER ROAD / TR 165B
CN / IC RR @ MP 37
EX STR NO. 041-9910
12/21/2009

3 SPAN PCC DECK BEAM BRIDGE ON PILE BENT ABUTMENTS AND CONCRETE CRASHWALL/ COLUMN PIERS. 3 SPANS @ 40', 58', 40', 27' DECK

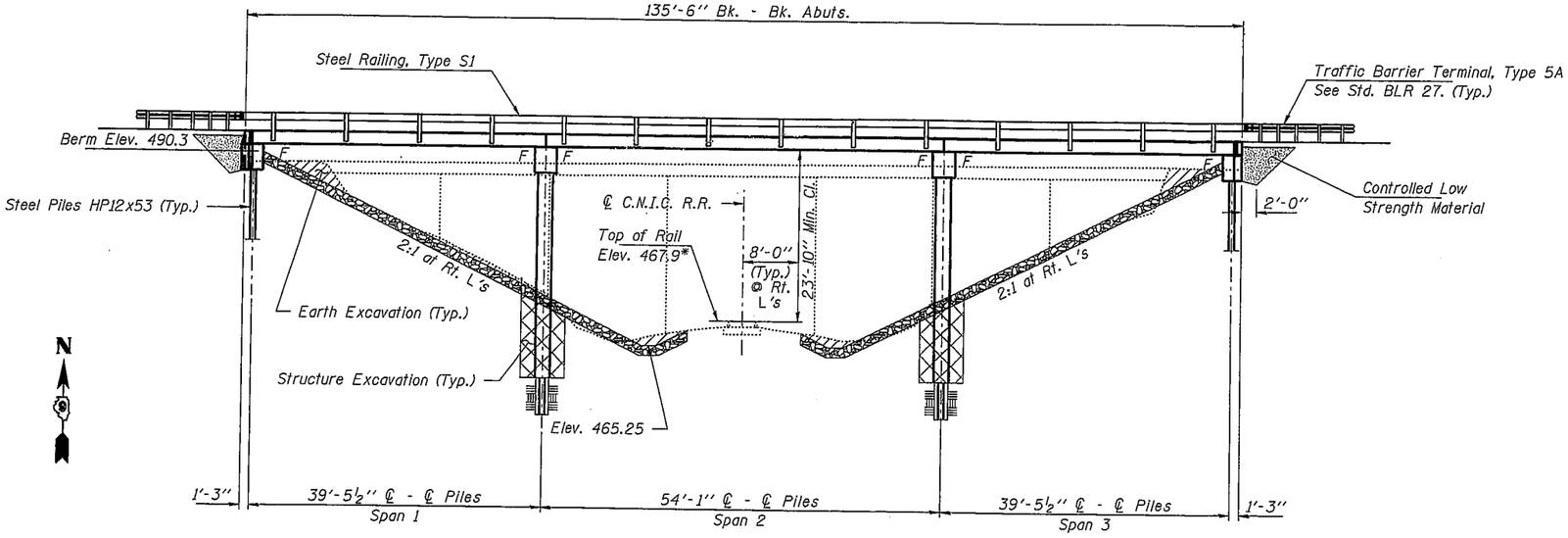
QUANTITY	UNIT	ITEM	UNIT PRICE	TOTAL COST
0.3	UNIT	TREE REMOVAL, ACRES	$5,000.00	$1,500.00
173	CU YD	EARTH EXCAVATION	$10.00	$1,730.00
6544	CU YD	FURNISHED EXCAV	$11.00	$71,984.00
1948	SQ YD	GEOTECH FAB F/GR STAB	$3.00	$5,844.00
1.8	ACRE	SEEDING CL 2 SPL	$5,000.00	$9,000.00
380	TON	RIPRAP SPL	$35.00	$13,300.00
826	TON	AGG SURF CSE B	$25.00	$20,650.00
50	TON	AGGREGATE-TEMP ACCESS	$25.00	$1,250.00
1	EACH	REM EXIST STRUCT	$20,000.00	$20,000.00
75	CU YD	STRUCTURE EXCAVATION	$15.00	$1,125.00
153	CU YD	CONC STRUCT	$550.00	$84,150.00
5	CU YD	CONCRETE ENCASEMENT	$600.00	$3,000.00
3726	SQ FT	P P CONC DK BM 21 DP	$50.00	$186,300.00
12000	POUND	REINFORCEMENT BARS	$1.50	$18,000.00
276	FOOT	STEEL RAILING TY S1	$100.00	$27,600.00
650	FOOT	FUR STL PILE HP12X53	$45.00	$29,250.00
280	FOOT	DRIVING PILES	$5.00	$1,400.00
1	EACH	NAME PLATES	$400.00	$400.00
50	CU YD	CONTR LOW-STRENG MATL	$100.00	$5,000.00
4	EACH	TRAF BAR TERM T5A	$1,000.00	$4,000.00
4	EACH	TR BAR TRM T1 SPL TAN	$3,500.00	$14,000.00

PRELIMINARY
ESTIMATE OF COSTS

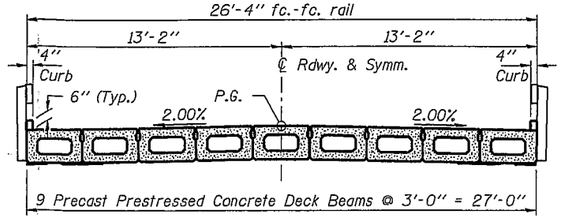
JEFFERSON COUNTY
WEBBER TOWNSHIP
E. DENKER ROAD / TR 165B
CN / IC RR @ MP 37
EX STR NO. 041-9910
12/21/2009

3 SPAN PCC DECK BEAM BRIDGE ON PILE BENT ABUTMENTS AND CONCRETE CRASHWALL/ COLUMN PIERS. 3 SPANS @ 40', 58', 40', 27' DECK

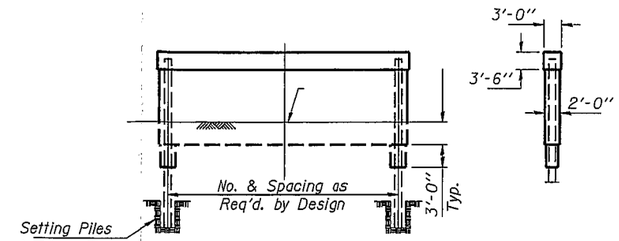
1	L SUM	MOBILIZATION	$20,000.00	$20,000.00
8	EACH	GUARDRAIL MARKERS	$15.00	$120.00
4	EACH	TERMINAL MARKER - DA	$50.00	$200.00
1	L SUM	RR PROT LIABILITY INS	$12,000.00	$12,000.00
12	EACH	SET PILES IN ROCK	$2,500.00	$30,000.00
				$581,803.00



ELEVATION



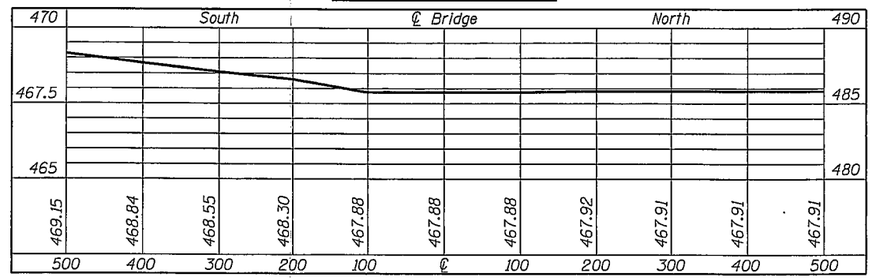
CROSS SECTION

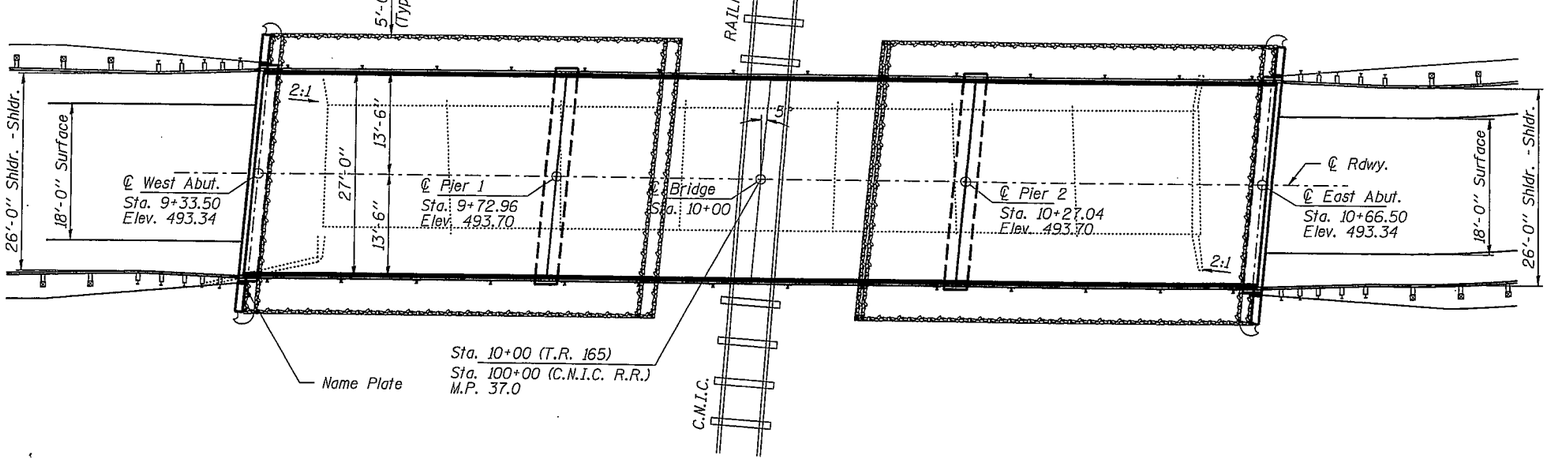


ELEVATION END VIEW

PIER SKETCH

HIGH RAIL PROFILE





LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS

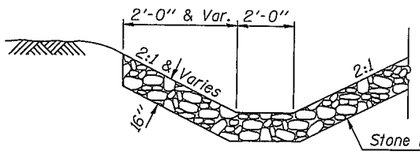
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"ϕ low lax. strands)
fpbt = 201,960 psi (½"ϕ low lax. strands)
fy = 60,000 psi (Reinf.)

LOADING HL-93

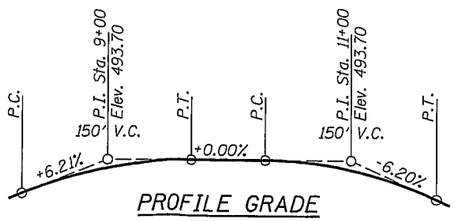
Design Specifications: 2007 AASHTO LRFD with all applicable interims.
25#/Sq. Ft. included in dead load for future wearing surface.



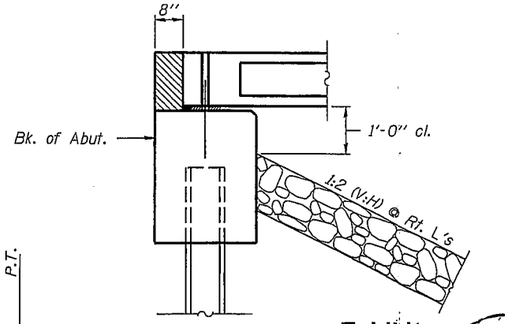
SECTION A-A

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.289g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.688g
Soil Site Class = D



PROFILE GRADE



SECTION AT ABUTMENT
@ Rt. L's

DESIGNED -	A.S.L.
CHECKED -	S.W.M.
DRAWN -	D.T.M.
CHECKED -	S.W.M.

Exhibit 5
Sheet 1 of 1

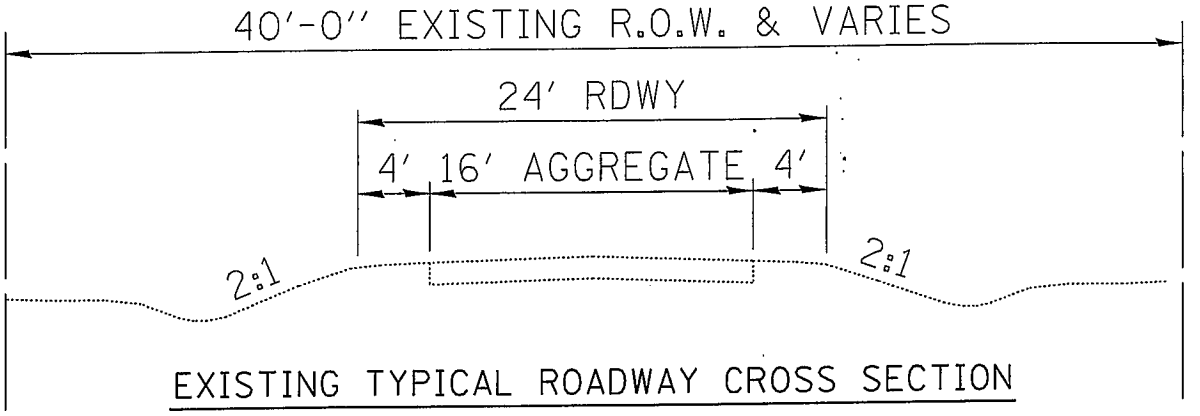
GENERAL PLAN AND ELEVATION
DENKER ROAD OVER C.N.I.C. R.R. MP37.0
WEBBER ROAD DISTRICT
STATION 10+00
STRUCTURE NO. 041-9932

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS · STRUCTURAL ENGINEERS · LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

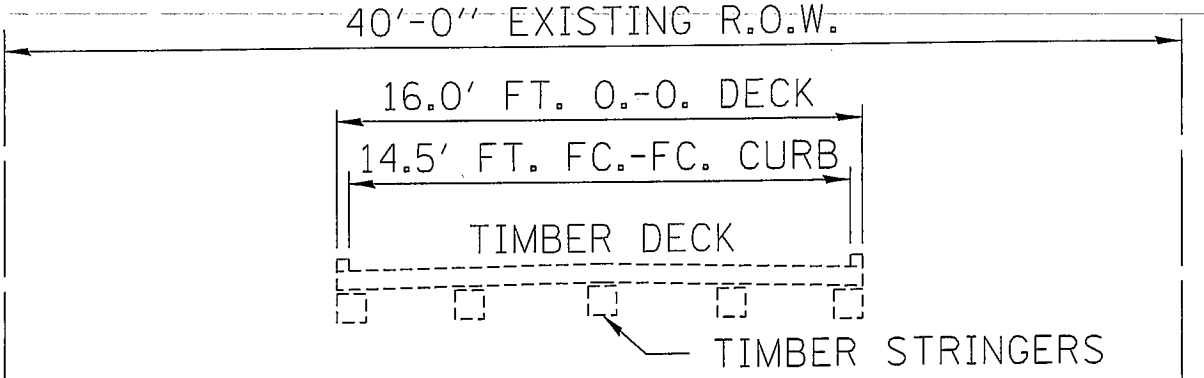
PROJECT NUMBER: 09.0172.130 DATE: 12/11/09

SHEETS

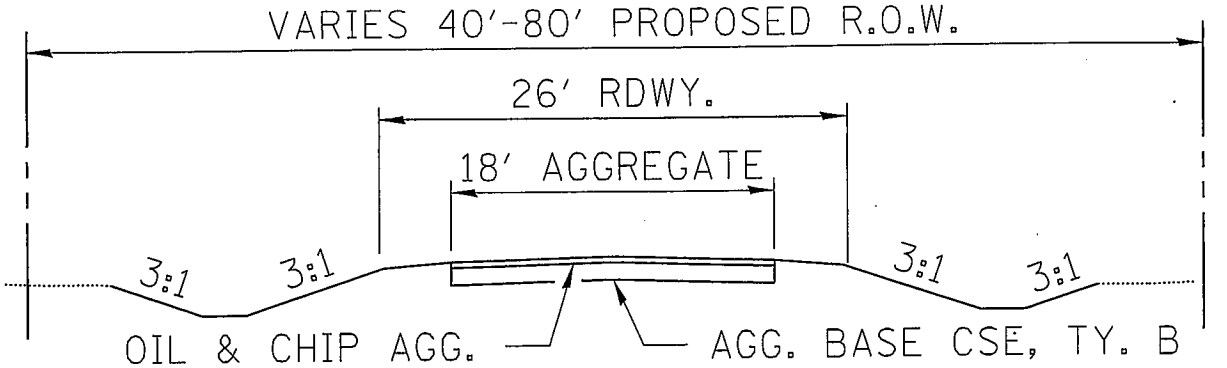
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	05-16113-00-BR	JEFFERSON		
WEBBER ROAD DISTRICT		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



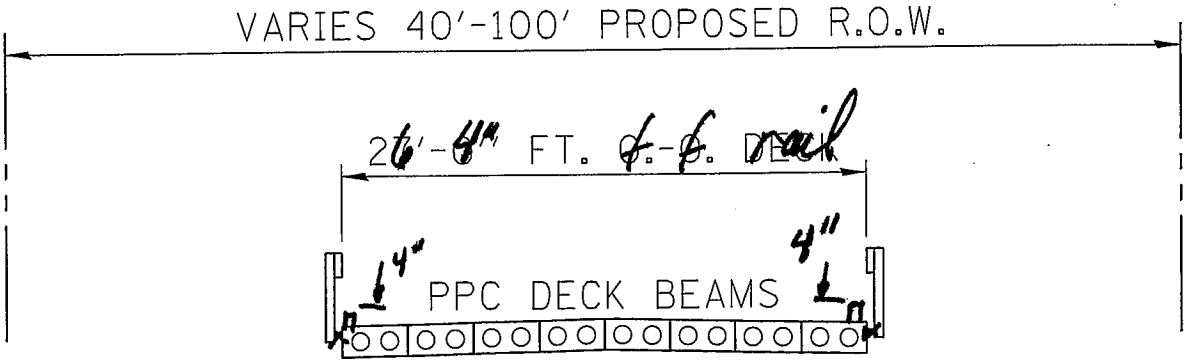
EXISTING TYPICAL ROADWAY CROSS SECTION



EXISTING TYPICAL BRIDGE CROSS SECTION



PROPOSED TYPICAL ROADWAY CROSS SECTION



PROPOSED TYPICAL BRIDGE CROSS SECTION

Illinois Department of Transportation
Structures Information Management System
Master Structure Report (S-107)

Date: 10/30/2009

Structure Number: 041-9910 **District: 9**

Inventory Data

Facility Carried:	TR-165	Bridge Name:	T2S R4E SEC 2	Sufficiency Rating:	40.8	Structure Length:	117.0
Feature Crossed:	ICG RR	Location:	3.5 MI N BLUFORD	HBRRP Eligible:	Yes	AASHTO Bridge Length:	99.9
Bridge Remarks:				Replaced By:	000-0000	Length of Long Span:	20.0
Bridge Status:	2 OPEN - LOAD POSTED	StatusDate:	04/1988	Replaces:	000-0000	Bridge Roadway Width:	16.1
Status Remarks:				Last Update Date:	03/19/2009	Appr Roadway Width:	15.0
Maint County:	041 JEFFERSON	Maint Township:	16 WEBBER	Parallel Structure:	None	Deck Width:	16.3
Maint Responsibility:	06 RAILROAD			Multi-Level Structure Nbr:		Sidewalk Width Right:	0.0
Service On/Under:	1 HIGHWAY	/	2 RAILROAD	Skew Direction:	None	Sidewalk Width Left:	0.0
Reporting Agency:	2 I.D.O.T. - BUREAU OF LOCAL ROADS			Skew Angle:	00 D 00 M 00 S	Navigation Control:	N N/A
Main Span Matl/Type:	7 TIMBER	/	02 STRINGER/MULTI-BEAM/GIRDER	Structure Flared:	No	Navigation Horiz Clear:	0
Nbr Of Main Spans:	7	Nbr Of Approach Spans:	0	Historical Significance:	No	Navigation Vert Clear:	0
Approaches				Border Bridge State:		Culvert Fill Depth:	0.0
Near #1 Matl/Type:	/			Bdr State SN:		Number Culvert Cells:	0
Near #2 Matl/Type:	/			Bdr State % Responsibility:	0	Culvert Opening Area:	0.0
Far #1 Matl/Type:	/			Structural Steel Wt:	0	Culvert Cell Height:	0.00
Far #2 Matl/Type:	/			Substructure Material:	22	Culvert Cell Width:	0.00
Median Width/Type:	0 Ft. / 0 None			Rated By:	2 IDOT	Rate Method:	1 LOAD FACTOR
Guardrail Type L/R:	0 None / 0 None			Inventory Rating:	7.9 (214)	Load Rating Date:	01/22/1999
Toll Facility Indicator:	0 No Toll			Operating Rating:	11.0 (220)	***Railroad Crossing Info***	
Latitude:	38 D 23 M 1.43 S	Longitude:	88 D 43 M 22.33 S	Design Load:	99 UNKNOWN	Crossing 1 Nbr:	295155G
Deck Structure Type:	L TIMBER			Deck Structure Thickness:	3.0	Crossing 1 Nbr:	
Sidewalks Under Structure:	0 None					RR Lateral Underclear:	08.9
						RR Vertical Underclear:	20 Ft 02 In

Key Route On Data

Key Route Nbr:	TOWNSHIP OR ROAD DISTRICT 0165	Station:	000.320
Appurtenances	Main Route 00.000	Segment:	
Inventory County:	041 JEFFERSON	Linked:	Y
Township/Road Dist	16 WEBBER	Natl. Hwy System:	Not on NHS
Municipality	0000	Inventory Direction:	
Urban Area:	None	Curr AADT Yr/Count:	2006 / 25
Functional Class:	60 LOCAL ROAD, (NON-URBAN)	Est Truck Percentage:	0 %
Number Of Lanes:		1	
One Or Two Way:		3 1LN2WAY	
Bypass Length:		4	
Future AADT Yr/Cnt:		2023 / 100	
Designated Truck Rte:		NONE	
Special Systems:		No	

** CLEARANCES **

	South/East	North/West
Max Rdwy Width:	016.1	
Horizontal:	016.1	000.0
Min Vertical:	99 Ft 11 In	00 Ft 00 In
0 Ft Vertical:	99 Ft 11 In	00 Ft 00 In
Lateral:		

Key Route Under Data

		Station:	
		Segment:	
		Linked:	
		Natl. Hwy System:	
		Inventory Direction:	
		Curr AADT Yr/Count:	/
		Est Truck Percentage:	%
		Number Of Lanes:	
		One Or Two Way:	
		Bypass Length:	
		Future AADT Yr/Cnt:	/
		Designated Truck Rte:	
		Special Systems:	

	South/East	North/West
	Ft In	Ft In
	Ft In	Ft In
	Ft	Ft

*** Marked Route On Data ***

	Designation		Kind	Number
Route #1:	1 Mainline	4	FAS, CH, or TR's Unmarked	165B
Route #2:				
Route #3:				

*** Marked Route Under Data ***

	Designation		Kind	Number

Exhibit Sheet 2 of 2

Illinois Department of Transportation
Structures Information Management System
Master Structure Report (S-107)

Structure Number: 041-9910 **District: 9**

Data Related to Inspection Information

***Inspection Intervals ***

Routine NBIS: 24 MOS Underwater: 0 MOS
Fracture Critical: 0 MOS Special: MOS

*** Maximum Allowable Posting Limits ***

One Truck At A Time:
Single Unit Vehicles: 14 Tons
Combination Type 3S-1: 19 Tons
Combination Type 3S-2: 24 Tons

Bridge Posting Level: 1 30.0 - 39.9% Below Legal Loads

Inspection/Appraisal Information

Inspection Date: 03/10/2009 Inspection Temperature: 70 Deg. F

Deck:	5	FAIR CONDITION - MINOR SECTION LOSS, CRACKS
Superstructure:	5	FAIR CONDITION - MINOR SECTION LOSS, CRACKS
Substructure:	5	FAIR CONDITION - MINOR SECTION LOSS, CRACKS
Culvert:	N	NOT APPLICABLE
Channel and Protection:	N	NOT APPLICABLE
Structural Evaluation:	4	MINIMUM ADEQUACY TO BE LEFT IN PLACE
Deck Geometry:	3	INTOLERABLE - HIGH PRIORITY FOR CORRECTION
Underclearance-Vert/Lat.:	4	MINIMUM ADEQUACY TO BE LEFT IN PLACE
Waterway Adequacy:	N	NOT APPLICABLE
Approach Roadway Align:	3	INTOLERABLE - HIGH PRIORITY FOR CORRECTION
Bridge Railing Appraisal:	2	Doesn't Meet Standards
Approach Guardrail:	111	Does Not Exist / Does Not Exist / Does Not Exist
Pier Navig Protection:	N	N/A

Insp by (Name): GALEN COFFEL 1
Insp by (Name):

Utilities Attached:	N	N/A
	N	N/A
	N	N/A
Deck Wearing Surf:	J	TIMBER OR T. RUNNRS
Deck Membrane:	F	NONE
Deck Protection:	J	NONE

Total Deck Thick: 03.0
Last Paint Date:

Inspection Remarks:
FIRST PIER BEYOND TRACT-THIRD PILE FROM NORTH IS SEVERLY DETERIORATED THREE DEC K BOARDS ROTTED THROUGH, NEEDS REPLACED.EAST PIER 3RD PILE FROM NORTH SOUNDS H OLLOW AND SOUTH PILE IN EAST ABUT IS ROTTED

** Actual Posted Limits **

Single Unit Vehicles: 14 Tons
Combination Type 3S-1: 14 Tons
Combination Type 3S-2: 14 Tons
One Truck At A Time:

Last Paint Type:

Underwater Inspection/Appraisal Information

Inspection Date:
Temperature:
Inspected By:
Inspection Remarks:

Inspection Category:
Inspection Method:
Inspected By:
Appraisal Rating:

Scour Critical Information

Rating:
Analysis Date:
Evaluation Method:
Analysis By:

Miscellaneous

Fracture Critical Members: No
Microfilm Data Recorded: No

Construction Information

Year: 1963 Original
Reconstructed
Route:
Sta:
Sta:
ection Nbr:
ontract Nbr:
ed Aid Pr #: 00000000000000
uilt By: 0 UNKNOWN

Waterway Information

Flood Design Frequency: 0 YRS
Flood Design Q (CFS): 0
Flood Design Nat H W E: 0
Flood Des Open Prop: 0 SF
Drainage Area: 0 Acre
Flood Base Q (CFS): 0
Flood Base Nat H W E: 0

Proposed Improvement

Cost Estimate Year: 2002 Length: 152
Type of Work: 31 REPLACEMENT DUE TO SUBSTANDARD CAPACITY OR GEOMETRICS
Done By: 1 Contract
Remarks:

*** Costs in Dollars ***

Bridge Cost:	202
Roadway Cost:	20
Total Project Cost:	302

Exhibit 7
Sheet 2 of 2

Illinois Commerce Commission
527 East Capitol Avenue, Springfield, Illinois, 62701

Grade Crossing Search Results

County Search | Advanced Search

Map View | Table View

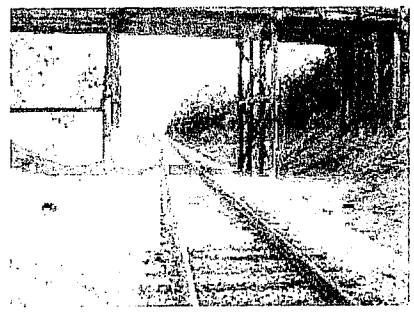
199 Results for **all Open Public Crossings** in (**Jefferson**) .

Exhibit 8
Sheet 1 **of** 8

Crossing Information

DOT/AAR Number:	295154A
Railroad:	Illinois Central Railroad Company
Milepost:	35.60
ICC Line Code:	U
Crossing Type:	Public (RR Under) Crossing
Type of Private Crossing:	Not private
County Name:	Jefferson
City Name:	BLUFORD
In Or Near:	Near
Street Name:	1925N
Highway Number:	TR 117
Railroad Division:	NORTHERN
Railroad Subdivision:	EDGEWOODCUTOFF
Number of Main Tracks:	0
Number of Other Tracks:	0
Description of Other Tracks:	
Crossing Surface Type:	Unknown
Average Number of Daily Trains:	0
Train Speed - Timetable:	0
Train Speed - Minimum Likely:	0
Train Speed - Maximum Likely:	0
Maximum Warning Devices:	
Highway - Railroad Interconnect:	Unknown
Channelization:	Unknown
Signs Other Quantity 1:	0
Signs Other Description 1:	
Signs Other Quantity 2:	0
Signs Other Description 2:	
AADT:	0
Traffic Lanes:	0
Truck Percent:	0
Land Use:	Unknown
Angle of Intersection - Road to Rail:	Unknown
Highway Type:	Unknown
FHWA Road Class:	Unknown
On State Highway:	
Roadway Paved:	
Pavement Markings:	Unknown
Advanced Warning Signs:	
Track Within Street:	
Road Intersection Near:	Unknown
DOT Structure ID 1:	0419908
DOT Remarks 1:	

Pictures



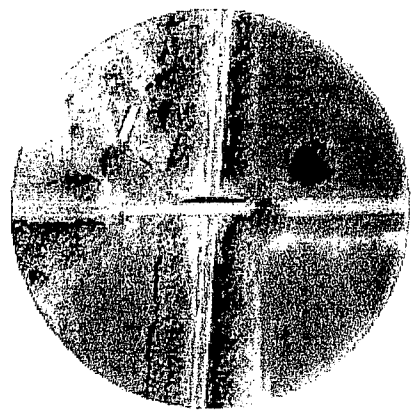


Exhibit 8
Sheet 2 **of** 8

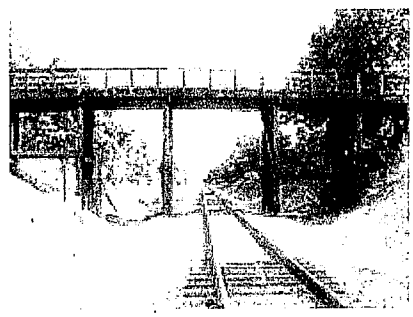
FRA Quiet Zone:	(old)
Passenger Train Type:	Unknown
Average Passenger Trains Per Day:	0
Latitude:	38.40527000
Longitude:	88.72000000
LAT LONG Source:	Actual
ENS Sign:	No
EMERGENCY Phone Number:	
Posted Highway Speed:	0
Narrative Railroad:	
Narrative State 1:	
No Signs:	
Data Last Updated:	09/15/2000

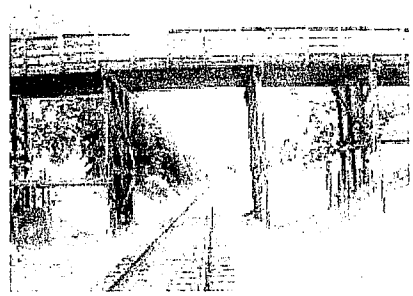
Exhibit 8
Sheet 3 of 8

Crossing Information

DOT/AAR Number:	295155G
Railroad:	Illinois Central Railroad Company
Milepost:	37.00
ICC Line Code:	U
Crossing Type:	Public (RR Under) Crossing
Type of Private Crossing:	Not private
County Name:	Jefferson
City Name:	BLUFORD
In Or Near:	Near
Street Name:	1775
Highway Number:	TR 165
Railroad Division:	NORTHERN
Railroad Subdivision:	EDGEWOODCUTOFF
Number of Main Tracks:	0
Number of Other Tracks:	0
Description of Other Tracks:	
Crossing Surface Type:	Unknown
Average Number of Daily Trains:	0
Train Speed - Timetable:	0
Train Speed - Minimum Likely:	0
Train Speed - Maximum Likely:	0
Maximum Warning Devices:	
Highway - Railroad Interconnect:	Unknown
Channelization:	Unknown
Signs Other Quantity 1:	0
Signs Other Description 1:	
Signs Other Quantity 2:	0
Signs Other Description 2:	
AADT:	0
Traffic Lanes:	0
Truck Percent:	0
Land Use:	Unknown
Angle of Intersection - Road to Rail:	Unknown
Highway Type:	Unknown
FHWA Road Class:	Unknown
On State Highway:	
Roadway Paved:	
Pavement Markings:	Unknown
Advanced Warning Signs:	
Track Within Street:	
Road Intersection Near:	Unknown
DOT Structure ID 1:	0419910
DOT Remarks 1:	

Pictures





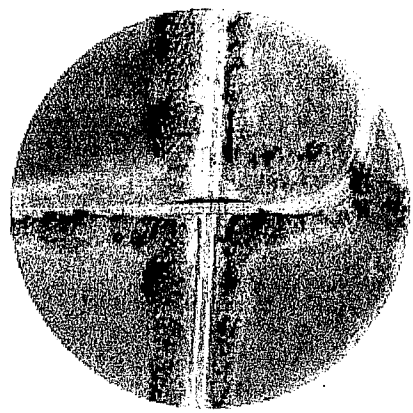


Exhibit 8
Sheet 4 of 8

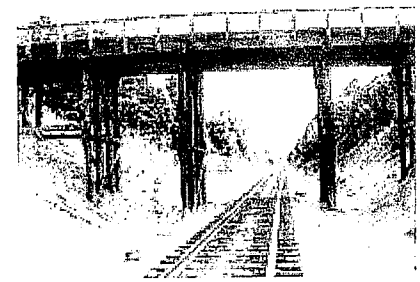
FRA Quiet Zone:	(old)
Passenger Train Type:	Unknown
Average Passenger Trains Per Day:	0
Latitude:	38.38388000
Longitude:	88.72222000
LAT LONG Source:	Actual
ENS Sign:	No
EMERGENCY Phone Number:	
Posted Highway Speed:	0
Narrative Railroad:	
Narrative State 1:	
No Signs:	
Data Last Updated:	09/15/2000

Exhibit 8
Sheet 5 **of** 8

Crossing Information

DOT/AAR Number:	295160D
Railroad:	Illinois Central Railroad Company
Milepost:	38.90
ICC Line Code:	U
Crossing Type:	Public (RR Under) Crossing
Type of Private Crossing:	Not private
County Name:	Jefferson
City Name:	BLUFORD
In Or Near:	Near
Street Name:	SPARROW ROAD
Highway Number:	TR 211
Railroad Division:	NORTHERN
Railroad Subdivision:	EDGEWOODCUTOFF
Number of Main Tracks:	0
Number of Other Tracks:	0
Description of Other Tracks:	
Crossing Surface Type:	Unknown
Average Number of Daily Trains:	0
Train Speed - Timetable:	0
Train Speed - Minimum Likely:	0
Train Speed - Maximum Likely:	0
Maximum Warning Devices:	
Highway - Railroad Interconnect:	Unknown
Channelization:	Unknown
Signs Other Quantity 1:	0
Signs Other Description 1:	
Signs Other Quantity 2:	0
Signs Other Description 2:	
AADT:	0
Traffic Lanes:	0
Truck Percent:	0
Land Use:	Unknown
Angle of Intersection - Road to Rail:	Unknown
Highway Type:	Unknown
FHWA Road Class:	Unknown
On State Highway:	
Roadway Paved:	
Pavement Markings:	Unknown
Advanced Warning Signs:	
Track Within Street:	
Road Intersection Near:	Unknown
DOT Structure ID 1:	0419913
DOT Remarks 1:	

Pictures



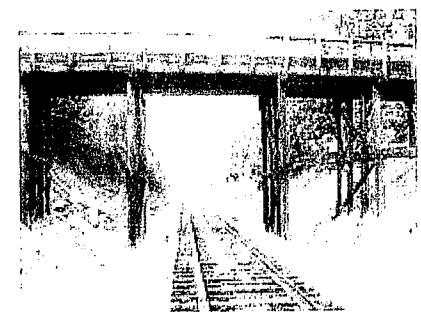
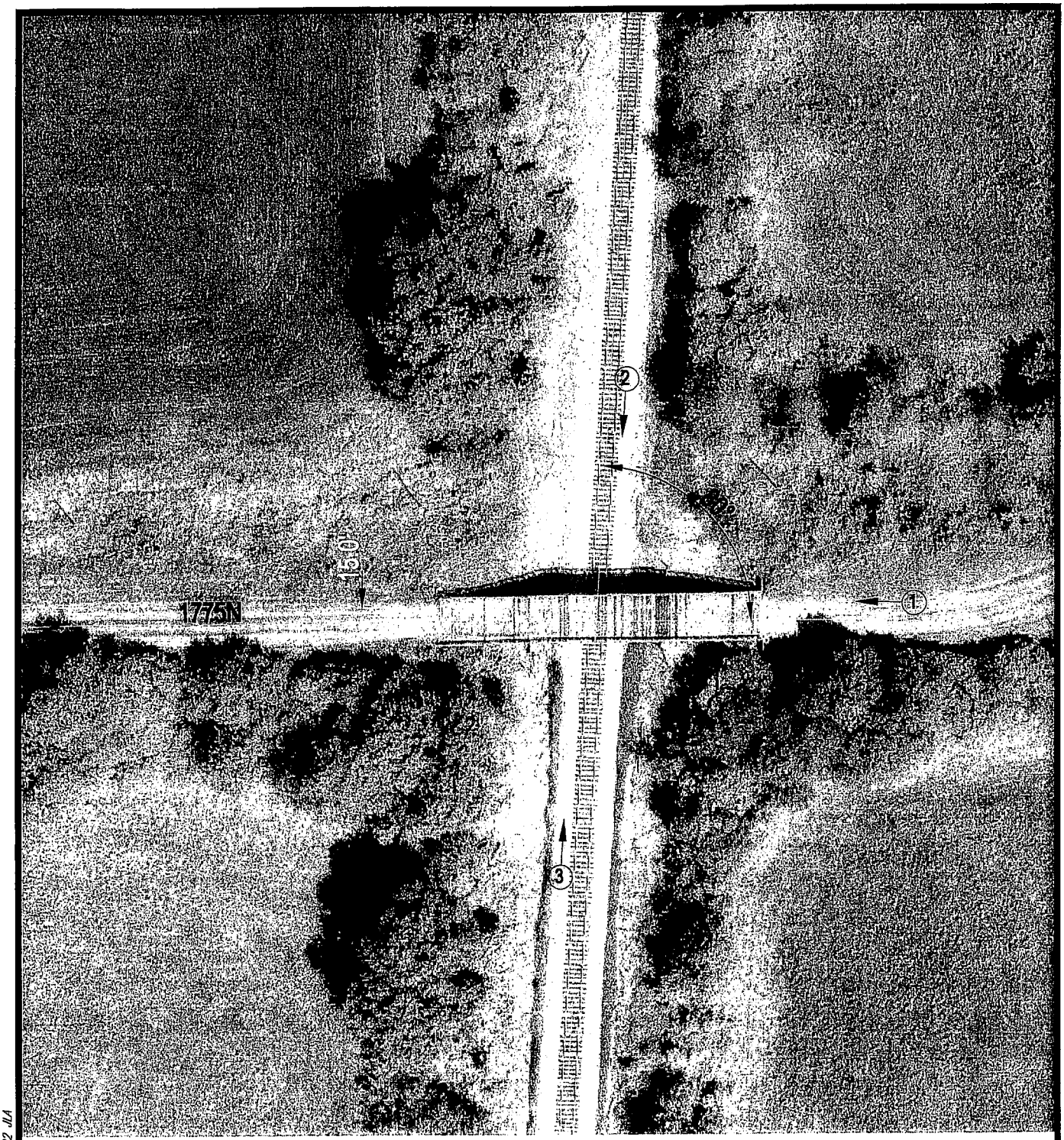


Exhibit 8
Sheet 6 of 8

FRA Quiet Zone:	(old)
Passenger Train Type:	Unknown
Average Passenger Trains Per Day:	0
Latitude:	38.35777000
Longitude:	88.72472000
LAT LONG Source:	Actual
ENS Sign:	No
EMERGENCY Phone Number:	
Posted Highway Speed:	0
Narrative Railroad:	
Narrative State 1:	
No Signs:	
Data Last Updated:	09/15/2000

Exhibit 8
Sheet 7 **of** 8



J:\JEFFERSON\295155G\295155G.DWG 10/03/00 14:22 JLA

N

SCALE IN FEET

50 0 50

(3) Photo Location

Crossing #: 295155G

Location: Jefferson Co., City of Bluford (In)

Lat/Long: 38°23'02" / 88°43'20"

Railroad: IC

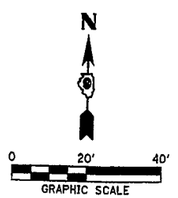
Street: 1775N

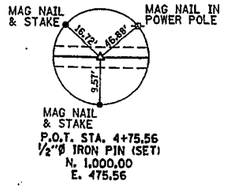
Railroad Milepost: 37.00

IDOT ID #: 041-9910

Exhibit 8

Sheet 8 of 8

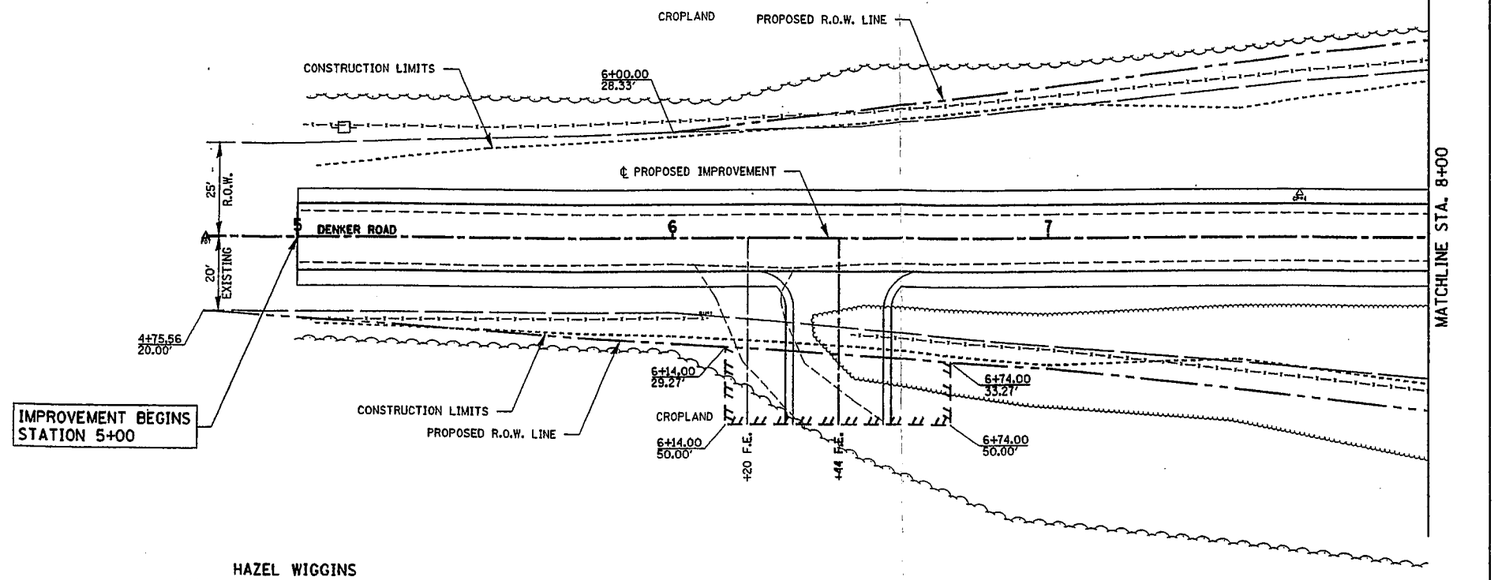




PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
ALL NOTES RECORDED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ELEV. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

GEORGE BYARS
NE¼, SEC 2, T. 2 S., R. 4 E., 3RD P.M.



HAZEL WIGGINS
NE¼, SEC 2, T. 2 S., R. 4 E., 3RD P.M.

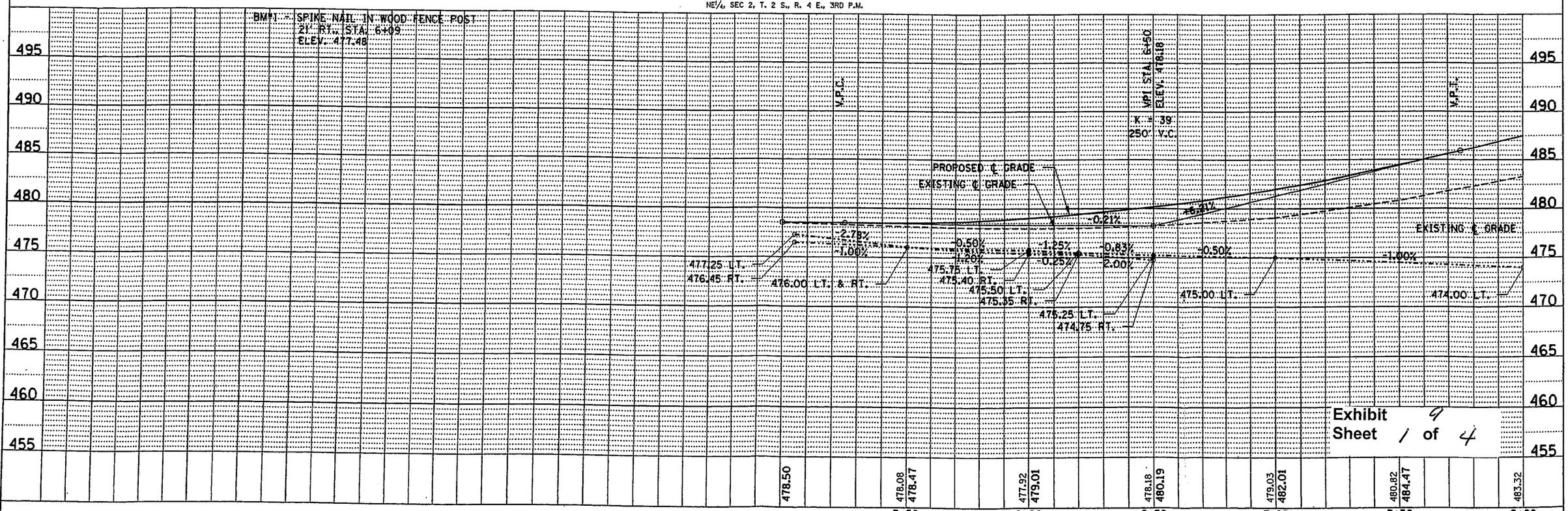


Exhibit 9
Sheet 1 of 4

FILE NAME = 090172-sht-ppl.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
		DRAWN - D.T.M.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 12/21/2009	DATE - 11/24/09	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

HLR
SCALE: H:20 V:5

PLAN & PROFILE
DENKER ROAD

SHEET NO. 1 OF 4 SHEETS | STA. 4+75.56 TO STA. 8+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	05-16113-00-BR	JEFFERSON		
FARRINGTON ROAD DISTRICT		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CN/IC
NE¼, SEC 2, T. 2 S., R. 4 E., 3RD P.M.

GEORGE BYARS
NE¼, SEC 2, T. 2 S., R. 4 E., 3RD P.M.

N

0 20' 40'
GRAPHIC SCALE

62.0'
EXISTING R.O.W.

48.0'
EXISTING R.O.W.

STATION 10+00
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE. 3 SPANS: 42'-0", 54'-0", 42'-0"
27'-0" RDWY.; SKEW = 5°
PROPOSED STRUCTURE NO. 041-9932

CROPLAND

CONSTRUCTION LIMITS

PROPOSED R.O.W. LINE

9+00.00
65.00'

9+42.15
65.00'

EXISTING R.O.W. LINE

℄ PROPOSED IMPROVEMENT

MATCHLINE STA. 8+00

DENKER ROAD

9

10

11

85°57'44"

PC Sta. 10+84.94

PT Sta. 12+49

TIMBER

10+52.04
59.63'

10+84.94
55.00'

11+50.00
70.00'

12+00.00
55.00'

PROPOSED R.O.W. LINE

MATCHLINE STA. 13+00

13+00.00
35.00'

12+75.00
36.92'

EXISTING R.O.W. LINE

12

TIMBER

EXISTING R.O.W. LINE

11+60.00
46.34'

11+50.00
55.00'

9+33.33
60.00'

10+43.60
60.00'

CONSTRUCTION LIMITS

CROPLAND

CROPLAND
11+00.00
60.00'

PROPOSED R.O.W. LINE

62.0'
EXISTING R.O.W.

48.0'
EXISTING R.O.W.

PROP. CURVE DATA
PI Sta. 12+48.94
Δ = 89° 39' 12" (LT)
D = 34° 43' 29"
T = 164.01'
R = 165.00'
L = 258.18'
E = 67.64'
PC Sta. 10+84.94
PT Sta. 13+43.12
S.E. = 4.0%
S.E. TRANSITIONS:
STA. 10+69.00 TO STA. 11+54.86
STA. 13+22.79 TO STA. 14+08.65

BM#2 - SPIKE NAIL IN WOOD HANDRAIL POST
10' LT., STA. 9+43
ELEV. 489.58

HAZEL WIGGINS
NE¼, SEC 2, T. 2 S., R. 4 E., 3RD P.M.

EXISTING STRUCTURE NO. 041-9910
STATION 10+00 - SEVEN SPAN TIMBER BEAM BRIDGE WITH TIMBER DECK ON TIMBER ABUTMENTS WITH TIMBER WINGWALLS AND TIMBER PIERS.
116.2 FC.-FC. ABUTS; 16.1' o.-o. DECK

Exhibit 9
Sheet 3 of 4

FILE NAME = 090172-sht-pp2.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -
		DRAWN - D.T.M.	REVISED -
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	PLOT DATE = 12/21/2009	DATE - 11/24/09	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

HLR

PLAN
DENKER ROAD

SCALE: H20 | SHEET NO. 2 OF 4 SHEETS | STA. 8+00.00 TO STA. 13+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
165	05-16113-00-BR	JEFFERSON		
FARRINGTON ROAD DISTRICT		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | R.W. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | PLAN FILE MADE | BY | DATE

PROFILE | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | R.W. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

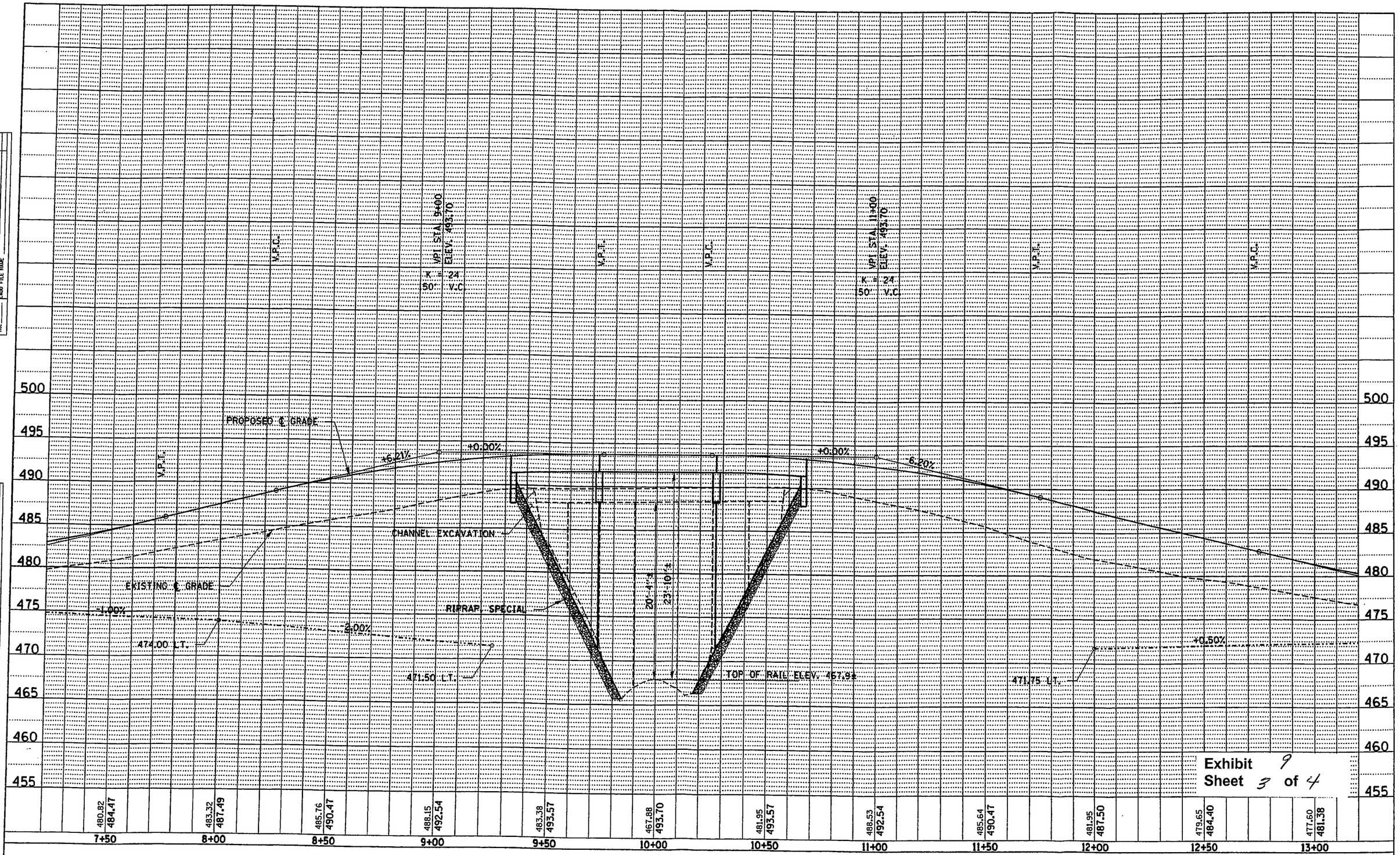

Exhibit 9
Sheet 3 of 4

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	PLOT DATE = 12/21/2009	DATE - 11/24/09	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

HLR

SCALE: H20:V5

PROFILE
DENKER ROAD

SHEET NO. 3 OF 4 SHEETS | STA. 8+00.00 TO STA. 13+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FARRINGTON ROAD DISTRICT		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

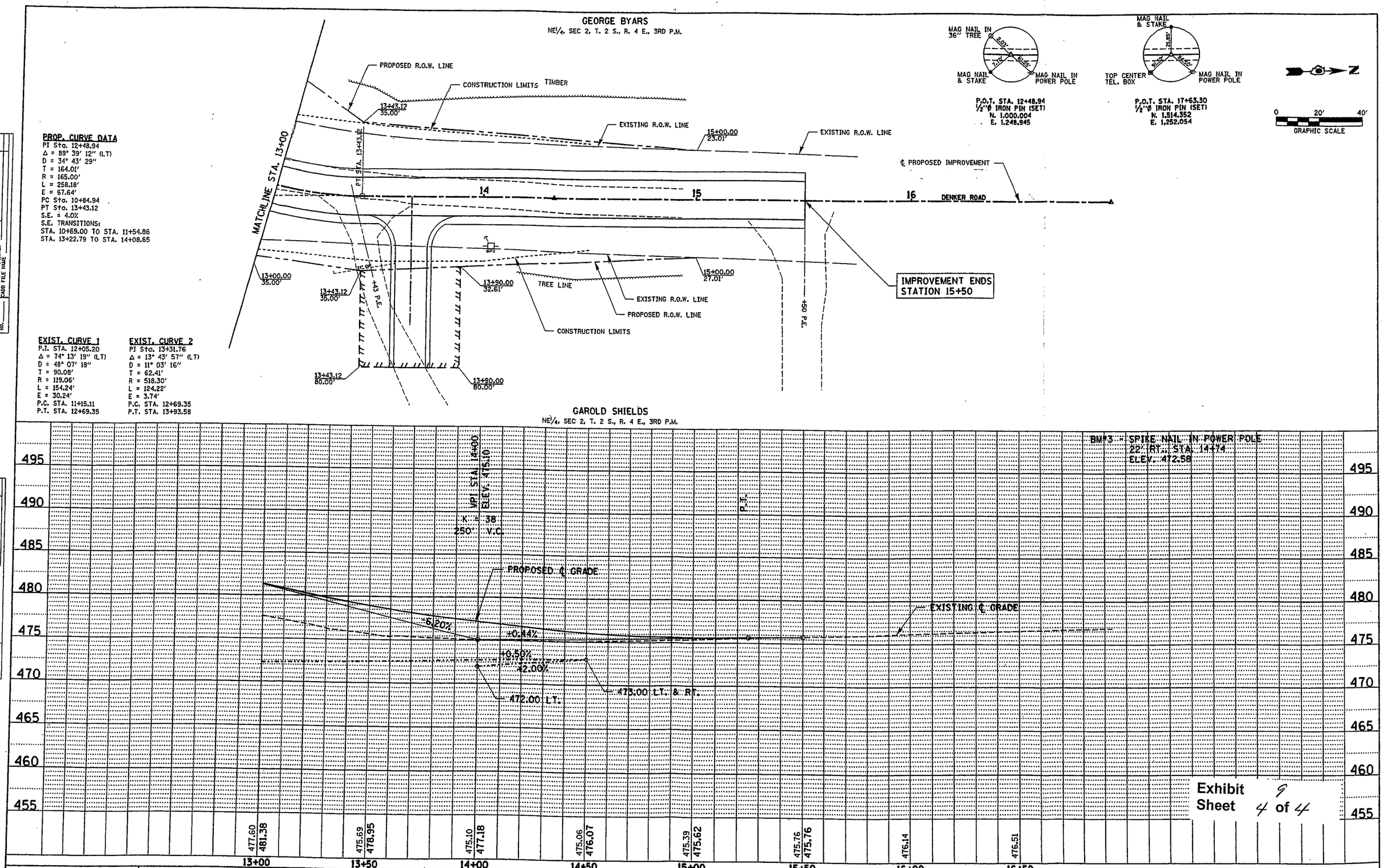

Exhibit 9
Sheet 4 of 4

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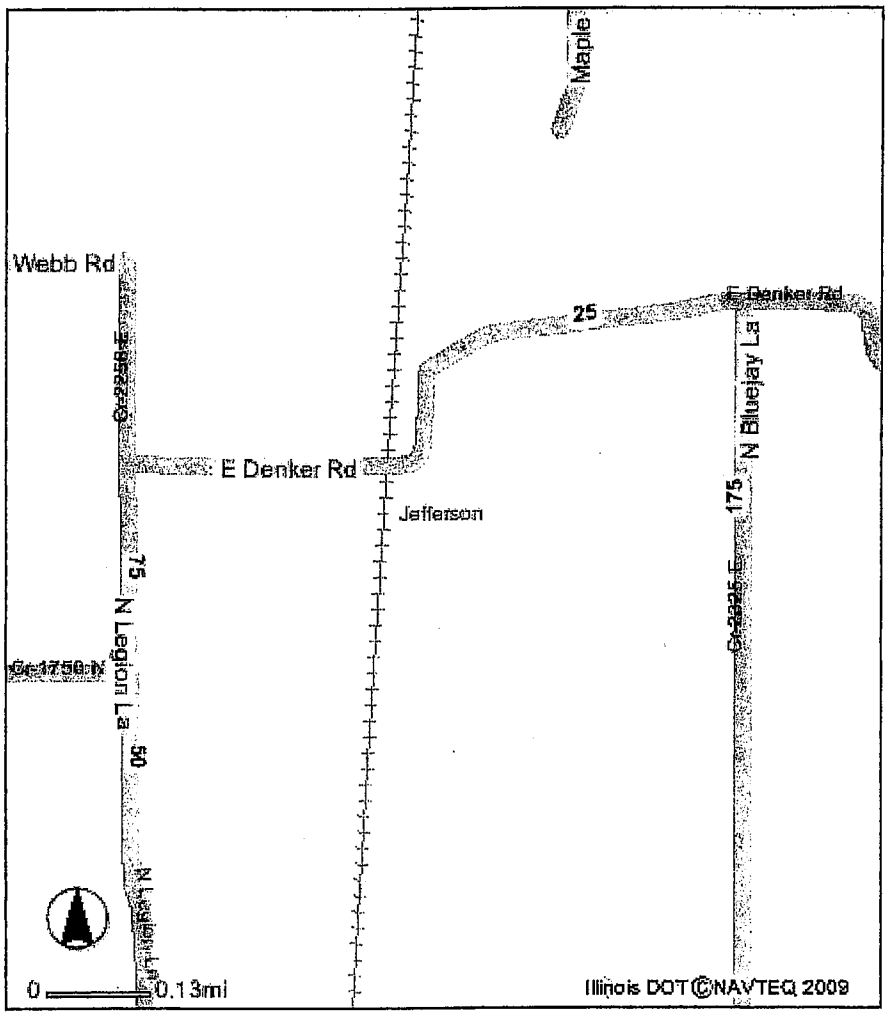
		DRAWN - D.T.M.	REVISED -				FARRINGTON ROAD DISTRICT		CONTRACT NO.
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: H20:V5	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. / ILLINOIS / FED. AID PROJECT
	PLOT DATE = 12/21/2009	DATE - 11/24/09	REVISED -						

Illinois Department of Transportation

Send to printer



Date:10/28/2009

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Illinois Department of Transportation
2300 S. Dirksen Pky
Springfield, IL 62764

Exhibit 10
Sheet 1 of 1

JEFFERSON COUNTY
SECTION 05-16113-00-BR
TR 165 DENKER ROAD OVER CN / IC
SN 041-9910

PHOTO 1 LOOKING EAST – APPROACH ROADWAY

PHOTO 2 LOOKING WEST – APPROACH ROADWAY

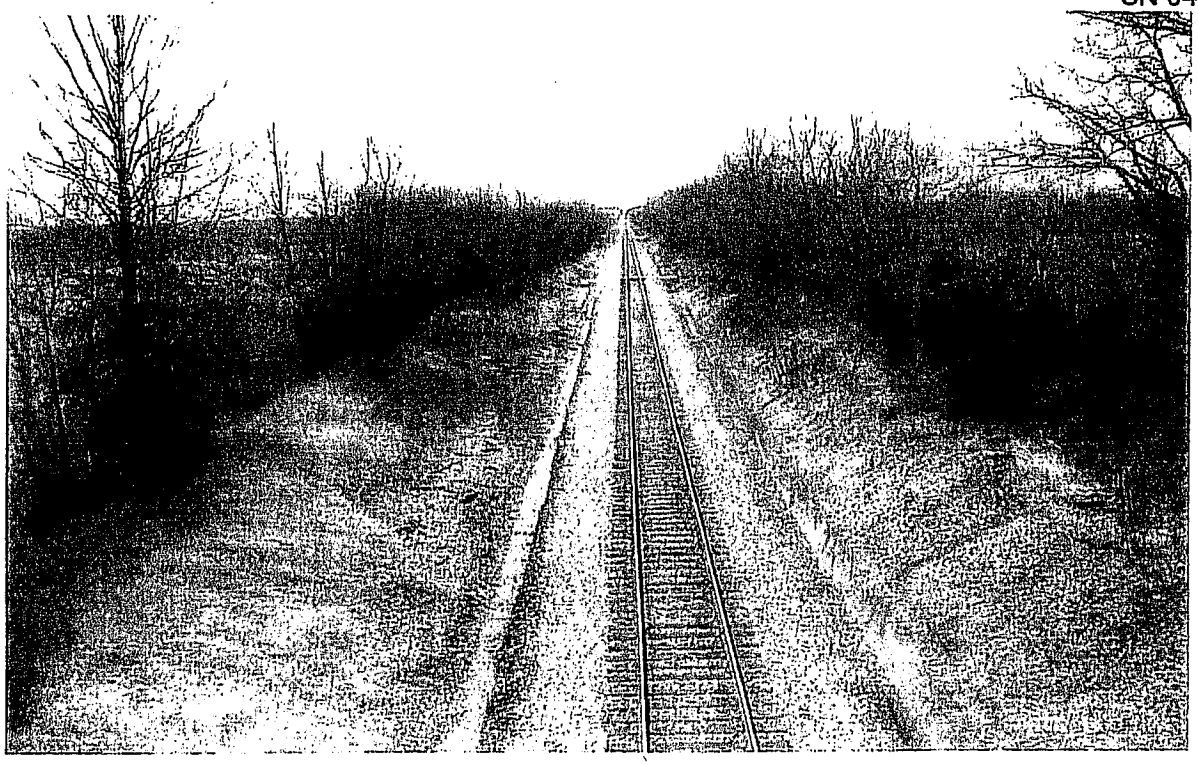

PHOTO 3 LOOKING NORTH – CN / IC RAILROAD

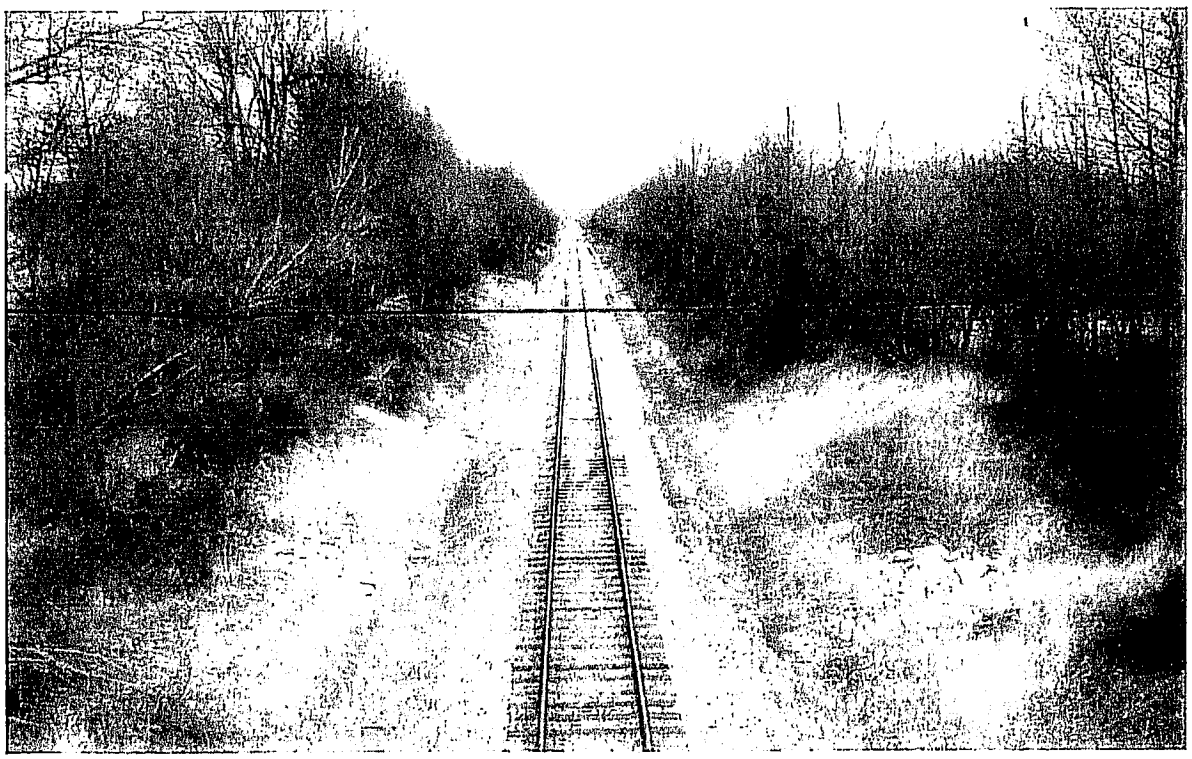

PHOTO 4 LOOKING SOUTH – CN / IC RAILROAD

PHOTO 5 LOOKING SOUTHEAST – TIMBER PIER PILES

LOOKING SOUTH – WEST ABUTMENT