

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	1
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

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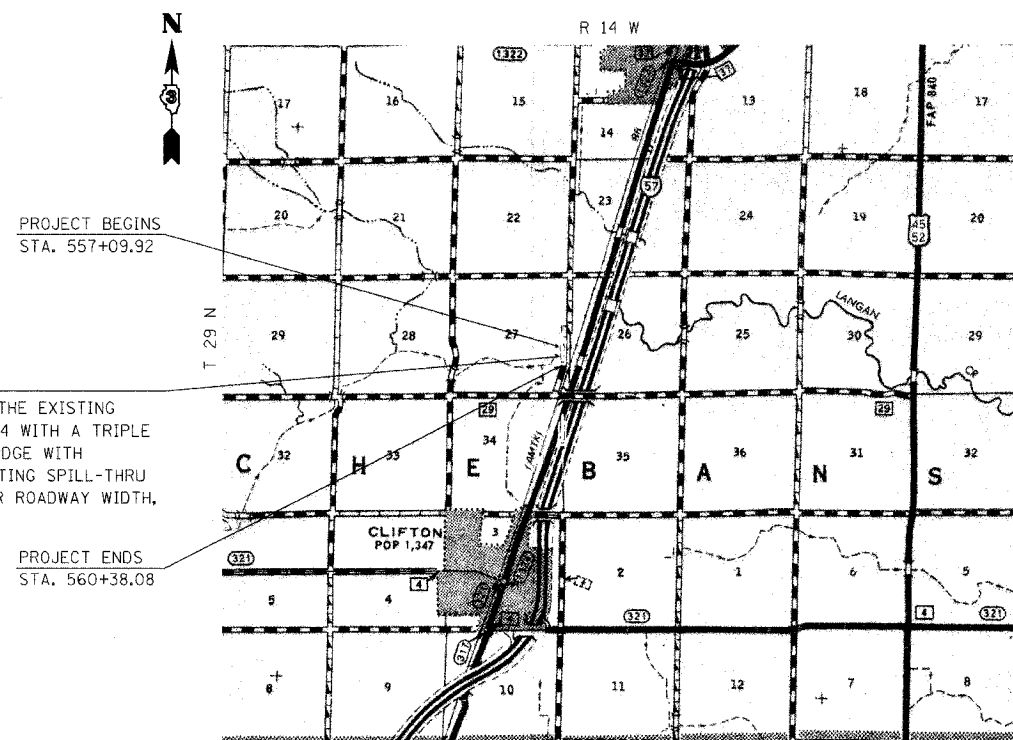
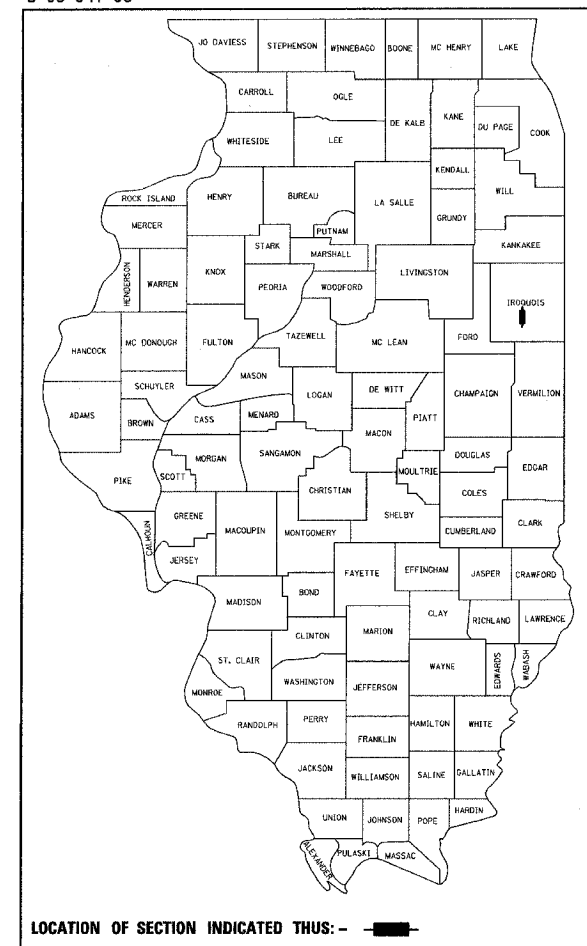
STATE STANDARDS

00001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
515001-02	NAME PLATE FOR BRIDGES
630001-05	STEEL PLATE BEAM GUARDRAIL
631026-02	TRAFFIC BARRIER TERMINAL, TYPE 5A & 5B
631032-01	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR-21-6	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**
FAS 1324 (OLD US RTE. 45)
SECTION 38 BR-1
PROJECT BHS-1324(103)
IROQUOIS COUNTY

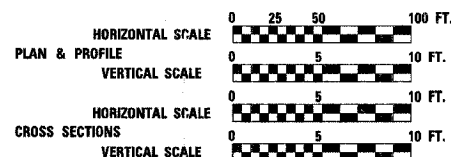
C - 93 - 070 - 05
BRIDGE SUPERSTRUCTURE REPLACEMENT

D-93-047-05



LOCATION MAP

NET LENGTH OF PROJECT = 328.16 FEET = 0.062 MILES
GROSS LENGTH OF PROJECT = 328.16 FEET = 0.062 MILES



DESIGN DESIGNATION = RURAL MINOR ARTERIAL
2005 ADT = 2250

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAN DRAPER
UNIT CHIEF: PAT BRABOY
TOWNSHIP: CHEBANSE

CONTRACT NO. 66564

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

Gregory M. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 3, 2006
Mike ...
ENGINEER OF DESIGN AND ENVIRONMENT

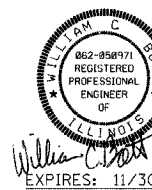
February 3, 2006
Milton L. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

REVISIONS	NAME	DATE



COMPUTER FILE NO.
COVER.DGN
PROJECT 03236 W010
12/8/05-MML



PLOT DATE = 12/05/05
 FILE NAME = I:\03236\010\DRAWINGS\Cover.dgn
 PLOT SCALE = 50.0000 / IN.
 REFERENCE = REF.
 OPERATOR = pmp

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ADDITIONAL LEVELING BINDER, AT THE RATE GIVEN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 1.5% CROWN ON SECTIONS OF EXISTING ROADWAYS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.1	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD OR
BITUMINOUS RESURFACING	112	LBS / SQ YD
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION

THE EROSION CONTROL FENCE LISTED IN THE SUMMARY OF QUANTITIES SHALL BE PLACED FROM STA 553+00 TO STA 562+00 (30'RT)

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

UTILITY COMPANY	CONTACT PERSON	PHONE NUMBER
AMEREN CIPS	MIKE TIPTON	217-234-2559
COMCAST	MARY STEFAN	630-600-6346
EASTERN ILLINI ELECTRIC	ALAN SCHWEIGHART	217-379-2131 EXT. 173
VERIZON NORTH, INC.	JONNA TARICKE	309-663-3422
McLEOD USA	MARK MILLS	217-876-7194 EXT. 240
NICOR GAS	SCOTT STOGSSDILL	630-983-8676 EXT. 2362

No in-stream work will be allowed.

COMMITMENTS

1. Environmental coordination.
2. Vertical clearance form.
3. Commitment for R.E. to notify emergency services prior to detour.
4. Commitment for R.E. to notify Iroquois County to survey road prior to detour.
5. No in-stream work allowed.
6. Commitment to place erosion control fence from station 553+00 to Sta 562+00 (30'RT)

The following Mixture Requirements are applicable for this project:

Mixture Use(s):	Superpave Surface
PG Grade	PG 64-22
Max % RAP Allowable*	15%
Design Air Voids %	4.0% @ N50
Mixture Composition	IL 12.5 or 9.5
Friction Aggregate	Mixture C
Plant Control Limits	Class I
Density Test Method	Cores/Nuclear

Material shall be compacted to 93-97 percent of the maximum theoretical density, except that the bottom lift shall be compacted to a minimum of 91.0 percent. The maximum theoretical density shall be determined from the moving average as specified in the QC/QA specification.

* If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Rail Powell
DISTRICT STUDIES & PLANS ENGINEER

DATE: 12/21/2005

EXAMINED BY: Albert D. ...
DISTRICT CONSTRUCTION ENGINEER

Kenneth R. ...
DISTRICT MATERIALS ENGINEER

James A. ...
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FAS 1324 (OLD US RTE. 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. _____
HORIZ. _____

DATE _____

DRAWN BY: HEBERLING
CHECKED BY: BOTT

GREENS & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
03236_GEN

PROJECT 03236 W010
12/19/05-MDS

PLT DATE = 12/21/2005
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PLOT SCALE = #SCALE#
PLOT OPERATOR = #USER#

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAY CODE NUMBER	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE
				80% FED 20% ST X080-2A	80% FED 20% ST X080-2A
28000900	FENCE (EROSION CONTROL)	FOOT	900	900	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	60	60	
40600980	BITUMINOUS SURFACE REMOVAL-BUTT JOINT	SQ. YD.	594	594	
40600990	TEMPORARY RAMP	SQ. YD.	110	110	
44000300	CURB REMOVAL	FOOT	48	48	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	40	40	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU. YD.	4.4		4.4
50300225	CONCRETE STRUCTURES	CU. YD.	5.7		5.7
50300260	BRIDGE DECK GROOVING	SQ. YD.	417		417
50300300	PROTECTIVE COAT	SQ. YD.	445		445
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ. FT.	4000		4000
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6520		6520
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	256		256
51500100	NAME PLATES	EACH	1		1
63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100	100	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	150	150	
63304705	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 5A	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO.	3	3	
67100100	MOBILIZATION	L. SUM	1	1	
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOURS	EACH	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL. DAY	45	45	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	33	33	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	660	660	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	90	90	
70301000	WORKZONE PAVEMENT MARKING REMOVAL	SQ. FT.	263	263	

PAY CODE NUMBER	PAY ITEM	UNIT	TOTAL	ROADWAY	BRIDGE
				80% FED 20% ST X080-2A	80% FED 20% ST X080-2A
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	660	660	
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	90	90	
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	4	4	
78200410	GUARDRAIL MARKERS, TYPE A	EACH	4	4	
78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	3	3	
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	56	56	
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	32	32	
X5030305	CONCRETE WEARING SURFACE, 5"	SQ. YD.	445		445

* SPECIALTY ITEM

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 OPERATOR = rjpb

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FAS 1324 (OLD US RTE. 45)
 SECTION 38 BR-1
 IROQUOIS COUNTY

SCALE: VERT. _____
 HORIZ. _____

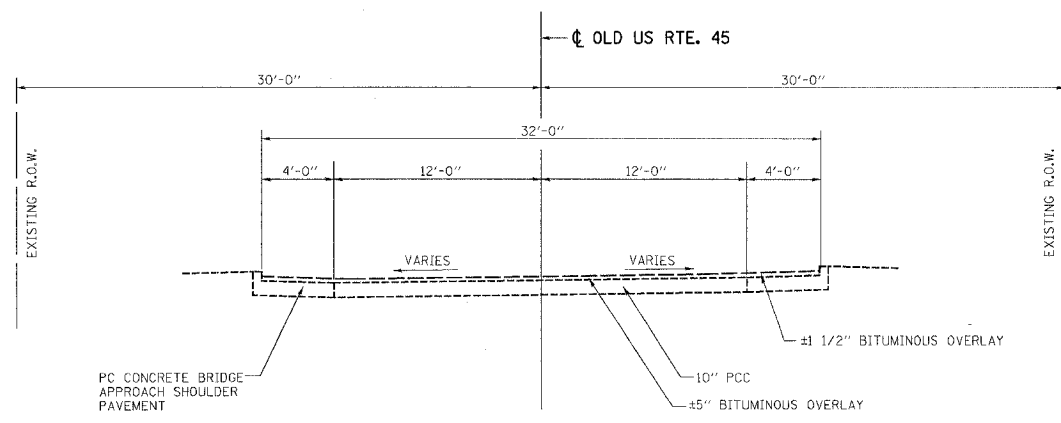
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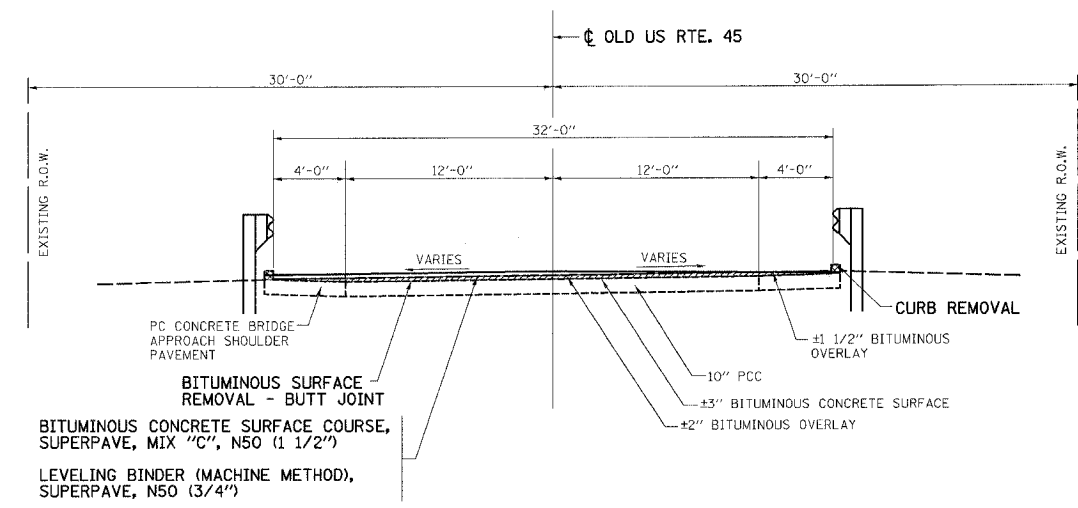
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

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 12/8/05-MML

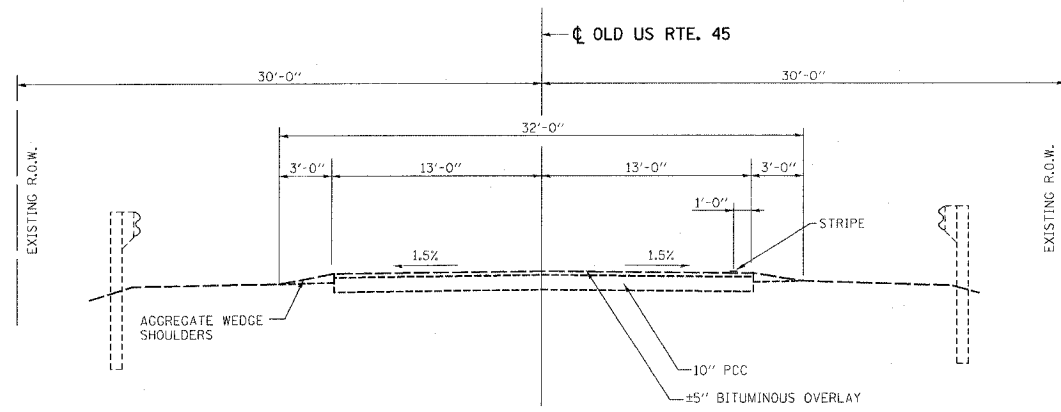
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



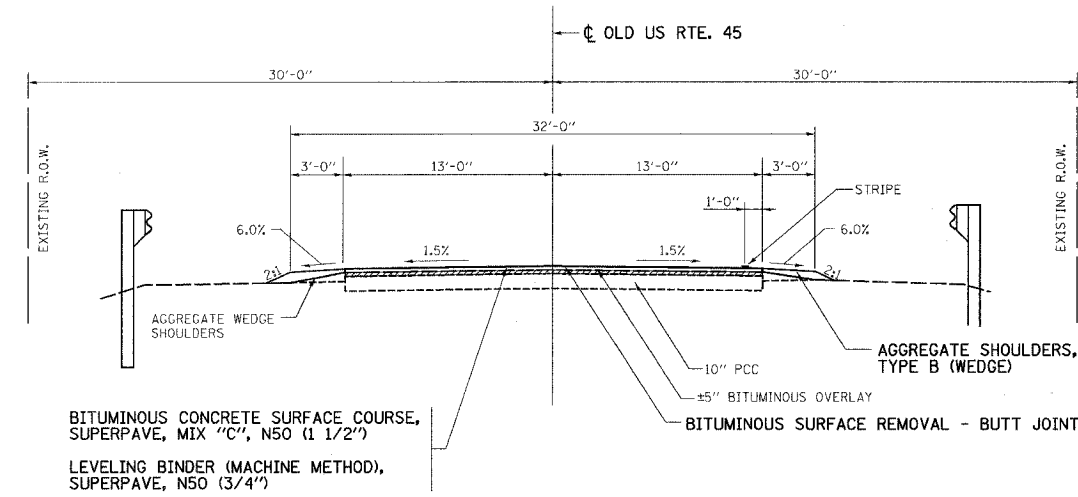
EXISTING TYPICAL SECTION
 STA. 557+97.92 TO STA. 558+09.92
 STA. 559+38.08 TO STA. 559+50.08



PROPOSED TYPICAL SECTION
 STA. 557+97.92 TO STA. 558+09.92
 STA. 559+38.08 TO STA. 559+50.08



EXISTING TYPICAL SECTION
 STA. 557+09.92 TO STA. 557+97.92
 STA. 559+50.08 TO STA. 560+38.08



PROPOSED TYPICAL SECTION
 STA. 557+09.92 TO STA. 557+97.92
 STA. 559+50.08 TO STA. 560+38.08

PLOT DATE = 12/9/2005
 PLOT SCALE = 1/4" = 1'-0"
 OPERATOR = redb

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 FAS 1324 (OLD US RTE. 45)
 SECTION 38 BR-1
 IROQUOIS COUNTY

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY: HEBERLING
 CHECKED BY: BOTT

COMPUTER FILE NO. 03236_TYP
 PROJECT 03236 W010
 11/17/05-MDS

GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 1111 S. WASHINGTON ST., SUITE 200
 DEERFIELD, ILLINOIS 60015
 (708) 424-1100 FAX (708) 424-1101
 WWW.GREENE-AND-BRADFORD.COM

TYPICAL SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

44000300 CURB REMOVAL

FOOT	LOCATION
12	557 + 97.92, RT. - 558 + 09.92, RT.
12	557 + 97.92, LT. - 558 + 09.92, LT.
12	559 + 38.08, RT. - 559 + 50.08, RT.
12	559 + 38.08, LT. - 559 + 50.08, LT.
48	TOTAL

48101200 SHOULDERS

TON	LOCATION
10	557 + 09.92, RT. - 557 + 97.92, RT.
10	557 + 09.92, LT. - 557 + 97.92, LT.
10	559 + 50.08, RT. - 560 + 38.08, RT.
10	559 + 50.08, LT. - 560 + 38.08, LT.
40	TOTAL

40600100 BITUMINOUS MATERIALS (PRIME COAT)

GALLON	LOCATION
30	557 + 09.92 - 558 + 09.02
30	559 + 38.08 - 560 + 38.00
60	TOTAL

40600990 TEMPORARY RAMP

SQ YD	LOCATION
40	556 + 75 - 556 + 90 SURFACE REMOVAL
15	STA. 557 + 09.92
15	STA. 560 + 38.08
40	560 + 85 - 561 + 00 SURFACE REMOVAL
110	TOTAL

44000980 BITUMINOUS SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION
297	557 + 09.92 - 558 + 09.92
297	559 + 38.08 - 560 + 38.08
594	TOTAL

63000000 STEEL PLATE BEAM GUARDRAIL, TYPE A

FOOT	LOCATION
25	NE CORNER BRIDGE
25	NW CORNER BRIDGE
25	SE CORNER BRIDGE
25	SW CORNER BRIDGE
100	TOTAL

63000087 TRAFFIC BARRIER TERMINAL, TYPE 6A

EACH	LOCATION
1	NE CORNER BRIDGE
1	NW CORNER BRIDGE
1	SE CORNER BRIDGE
1	SW CORNER BRIDGE
4	TOTAL

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION
37.5	NE CORNER BRIDGE
37.5	NW CORNER BRIDGE
37.5	SE CORNER BRIDGE
37.5	SW CORNER BRIDGE
150	TOTAL

63304705 TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 5A

EACH	LOCATION
1	NE CORNER BRIDGE
1	NW CORNER BRIDGE
1	SE CORNER BRIDGE
1	SW CORNER BRIDGE
4	TOTAL

70300100 SHORT-TERM PAVEMENT MARKING

FOOT	LOCATION
33	557 + 10 - 560 + 40, CENTERLINE
33	TOTAL

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

FOOT	LOCATION
330	557 + 00, RT. - 560 + 40, RT. EDGE
330	557 + 00, LT. - 560 + 40, LT. EDGE
660	TOTAL

70300240 TEMPORARY PAVEMENT MARKING - LINE 6"

FOOT	LOCATION
90	557 + 10 - 560 + 40, CENTERLINE
90	TOTAL

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION
263	557 + 10 - 560 + 40
263	TOTAL

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION
330	557 + 10, RT. - 560 + 40, RT. EDGE
330	557 + 10, LT. - 560 + 40, LT. EDGE
660	TOTAL

78001130 PAINT PAVEMENT MARKING - LINE 6"

FOOT	LOCATION
90	557 + 10 - 560 + 40, CENTERLINE
90	TOTAL

78100100 RAISED REFLECTIVE PAVEMENT MARKERS

EACH	LOCATION
4	557 + 10 - 560 + 40
4	TOTAL

78200410 GUARDRAIL MARKERS, TYPE A

EACH	LOCATION
1	NE CORNER BRIDGE
1	NW CORNER BRIDGE
1	SE CORNER BRIDGE
1	SW CORNER BRIDGE
4	TOTAL

78300200 RAISED REFLECTIVE PAVEMENT MARKING REMOVAL

EACH	LOCATION
3	557 + 60 - 560 + 00
3	TOTAL

X4066414 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50

TON	LOCATION
28	557 + 09.92 - 558 + 09.92 MAINLINE
28	559 + 38.08 - 560 + 38.08 MAINLINE
56	TOTAL

X4066765 LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50

TON	LOCATION
16	557 + 09.92 - 558 + 09.92 MAINLINE
16	559 + 38.08 - 560 + 38.08 MAINLINE
32	TOTAL

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 OPERATOR = rslp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

FAS 1324 (OLD US RTE. 45)
 SECTION 38 BR-1
 IROQUOIS COUNTY

SCALE: VERT. _____
 HORIZ. _____

DRAWN BY: HEBERLING
 CHECKED BY: BOTT

GREENE & BRADFORD, INC.
 OF SPRINGFIELD

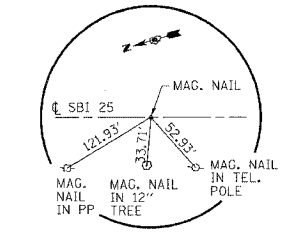
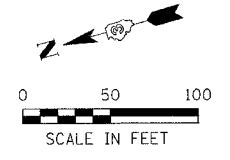
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 11/17/05-MDS

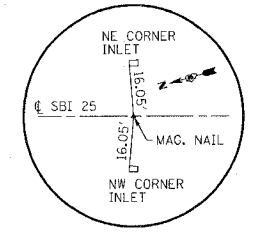
F.A.S. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	6
STA. 552+00 TO STA. 564+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

LEGEND

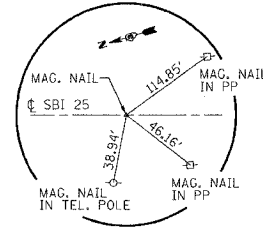
BITUMINOUS SURFACE REMOVAL - BUTT JOINT



P.O.T. STA. 554+00.00
MAG. NAIL



P.O.T. STA. 558+00.00
MAG. NAIL

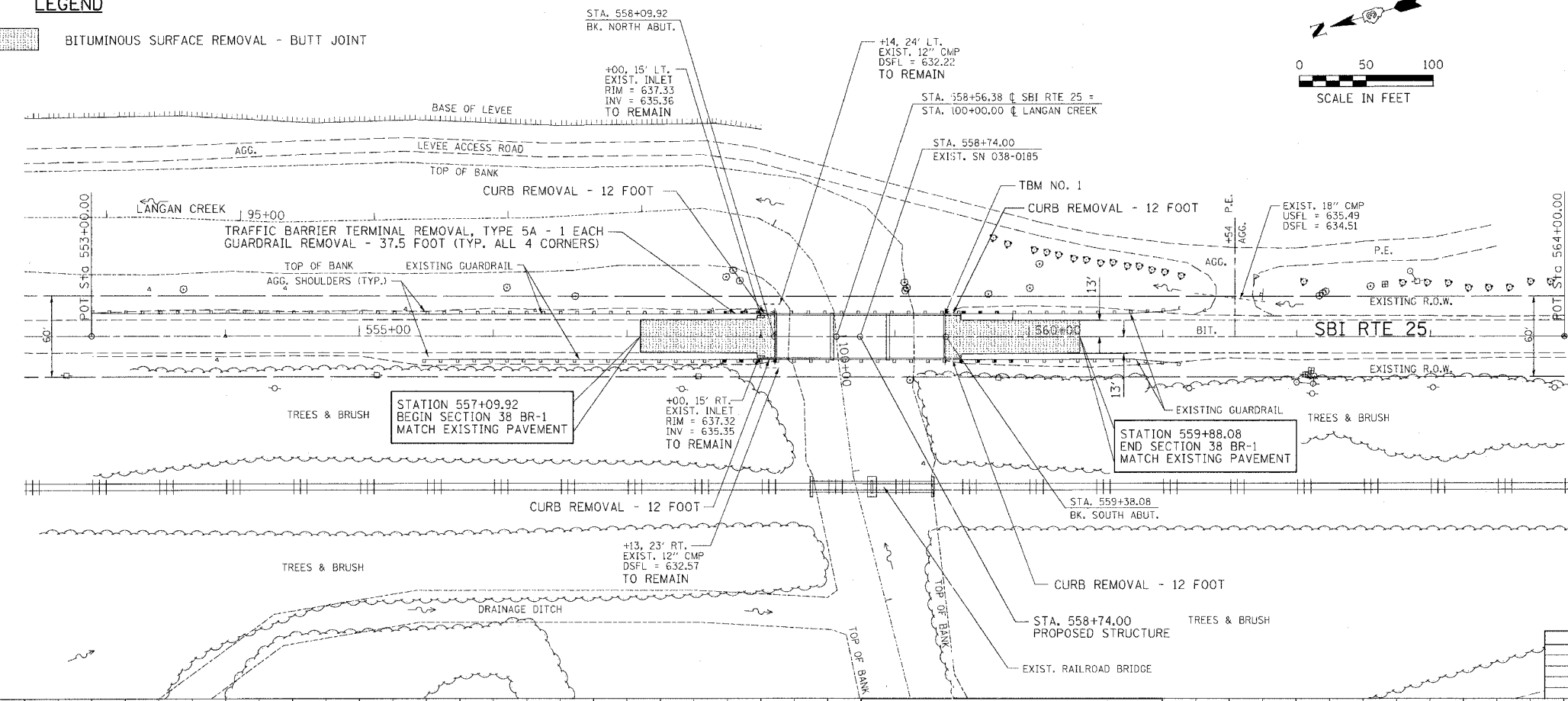


P.O.T. STA. 564+00.00
MAG. NAIL

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DATE	BY

DATE	BY
DATE	BY
DATE	BY

PLT DATE = 12/9/2005
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OPERATOR = pagb



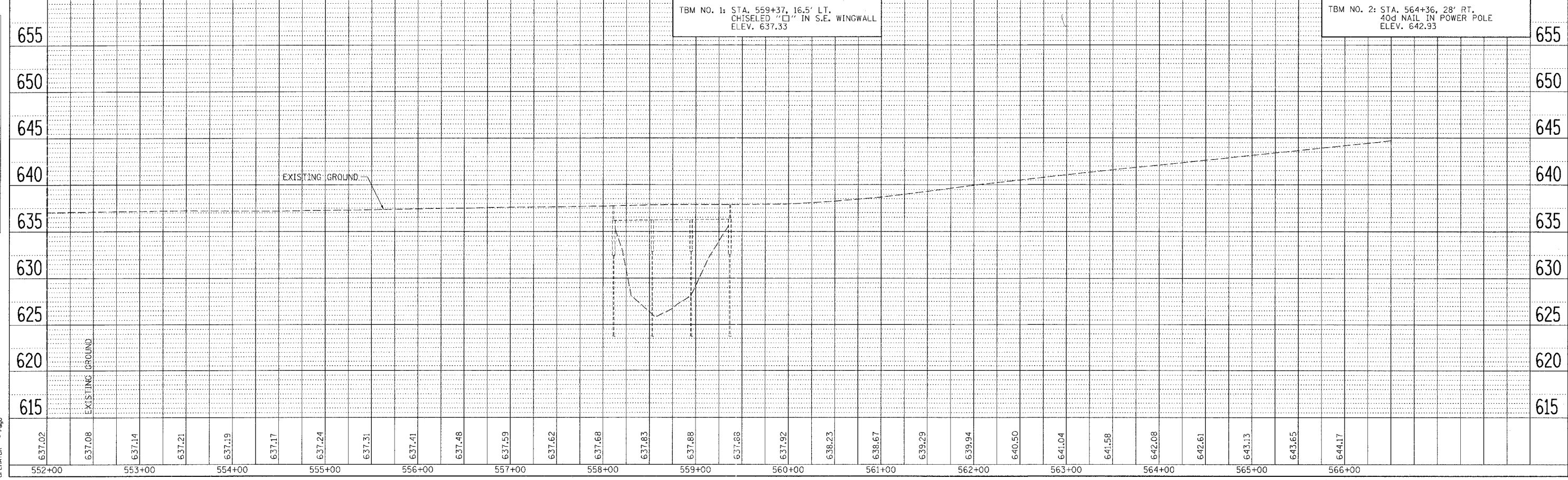
REVISION	DATE	BY

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1111 S. WASHINGTON ST., SUITE 200
SPRINGFIELD, ILLINOIS 62761
PHONE: 217-223-8800 FAX: 217-223-8801
WWW.GREENE-AND-BRADFORD.COM

COMPUTER FILE NO. PLN\W02REM
PROJECT 03236 W02
11/16/05-MDS

TBM NO. 1: STA. 559+37, 16.5' LT. CHISELED "□" IN S.E. WINGWALL ELEV. 637.33

TBM NO. 2: STA. 564+36, 28' RT. 40d NAIL IN POWER POLE ELEV. 642.93

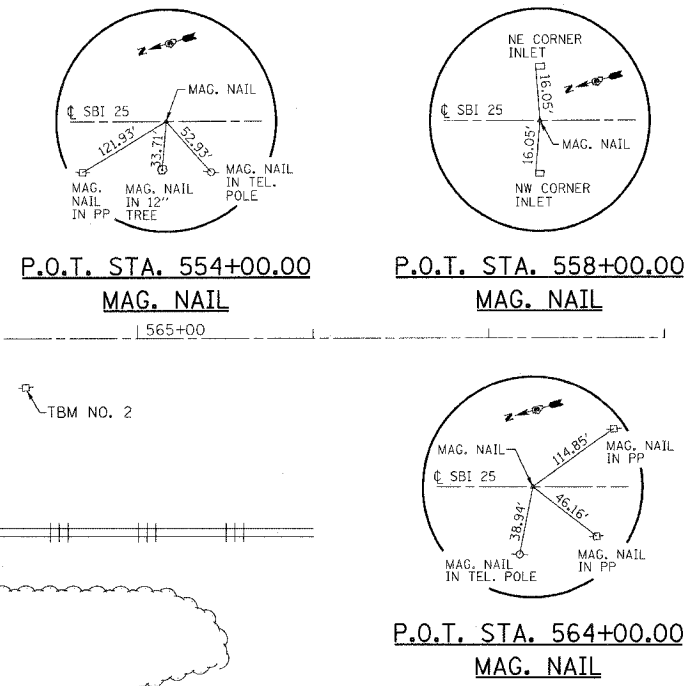
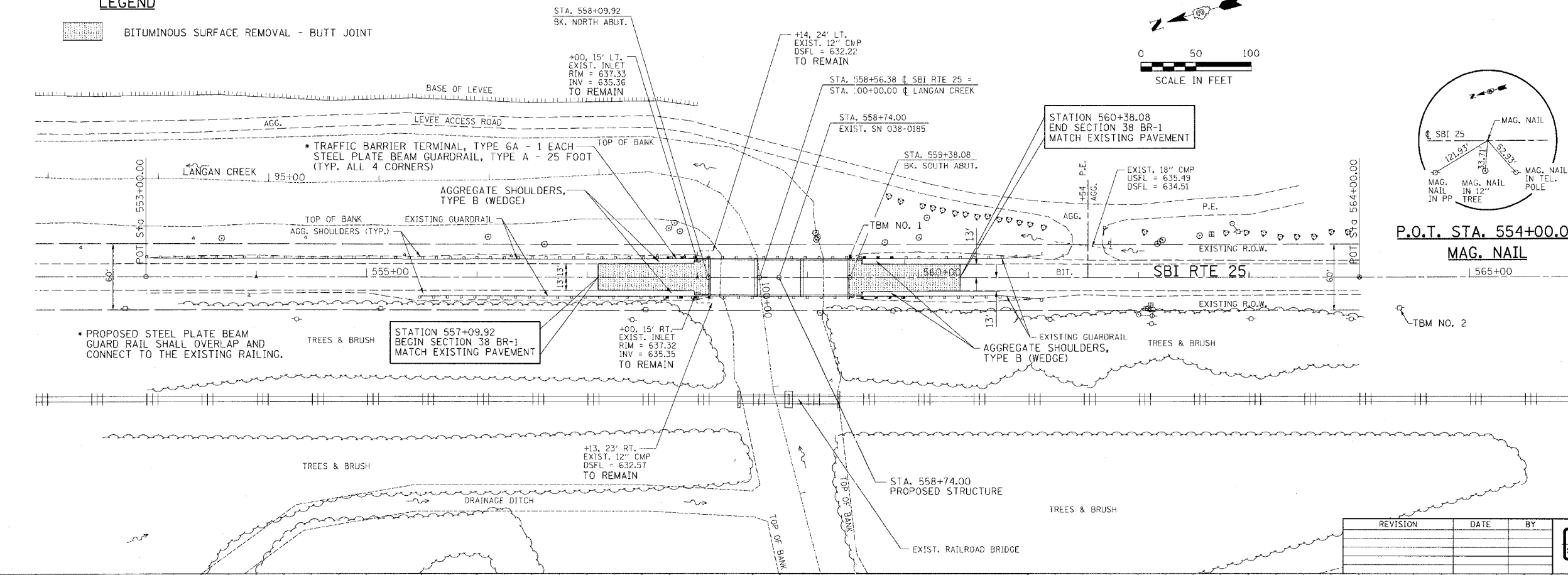
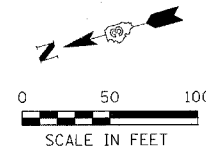


PLAN AND PROFILE - REMOVAL SHEET

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	7
STA. 552+00 TO STA. 564+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

LEGEND

BITUMINOUS SURFACE REMOVAL - BUTT JOINT



REVISION	DATE	BY

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-000000000-0000
10110 S. 124th St. Skokie, IL 60076-4237
TEL: 847.581.4237 FAX: 847.581.4238
WWW.GREENEANDBRADFORD.COM

COMPUTER FILE NO. PLN02
PROJECT 03236 W02
11/17/05-MDS

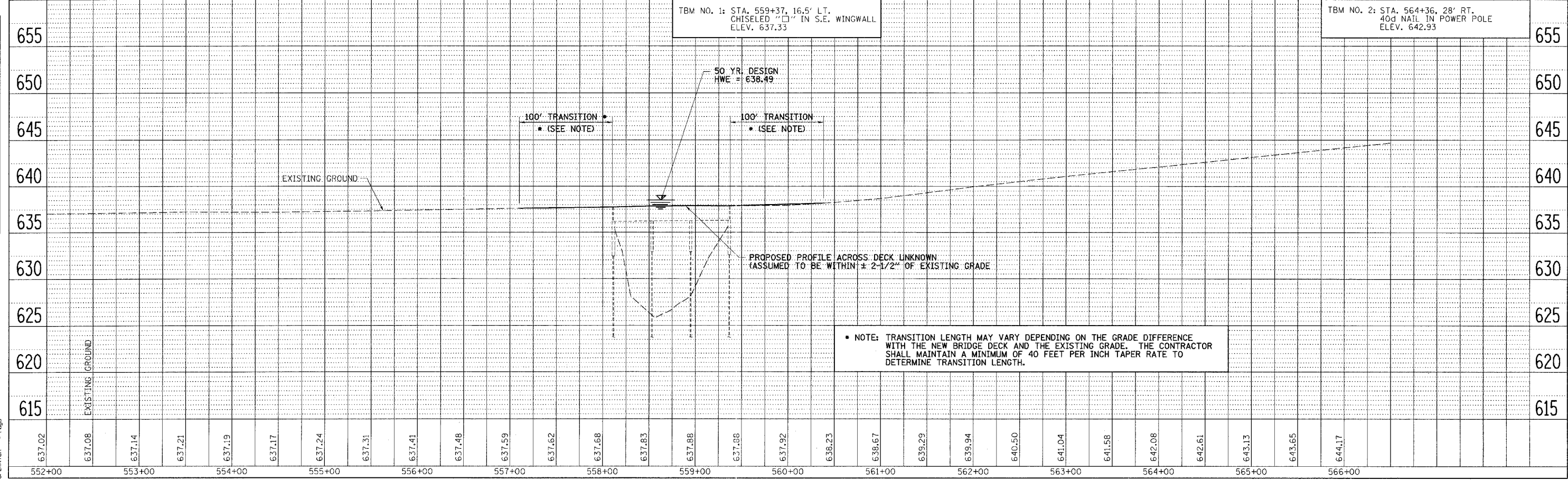
DATE	BY
DATE	BY

PLAN
NO.

DATE	BY
DATE	BY

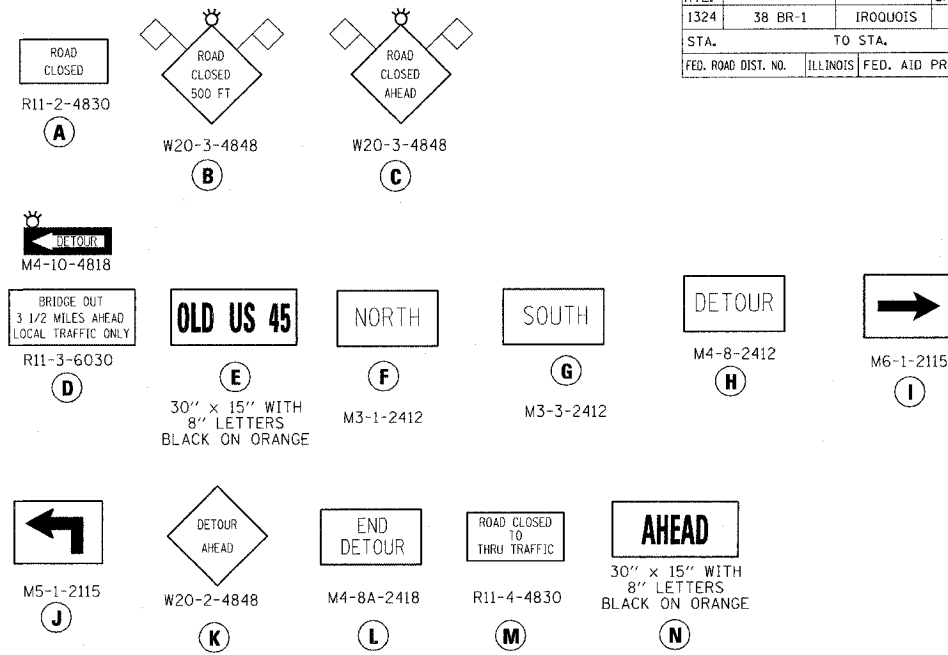
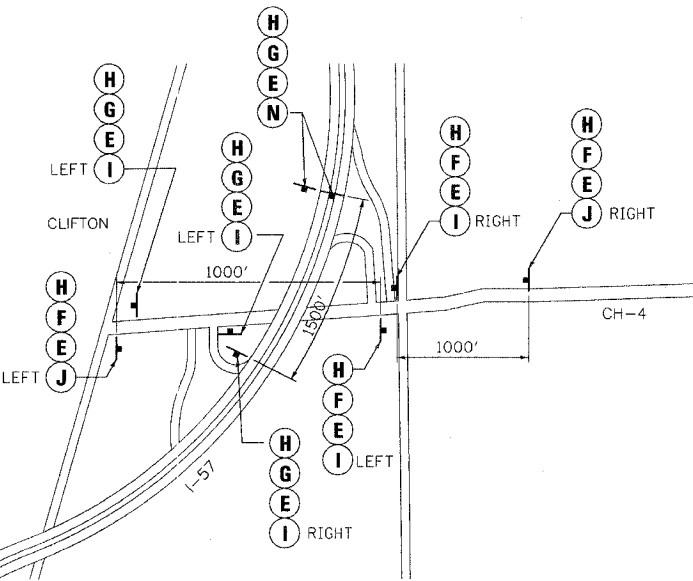
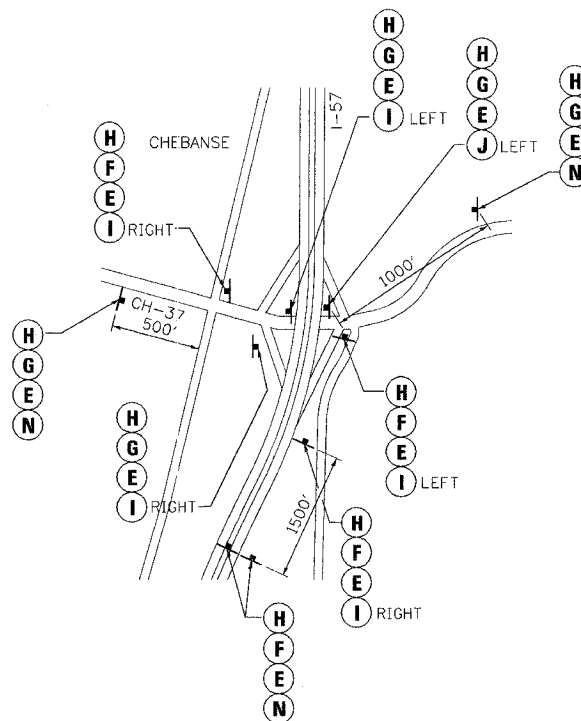
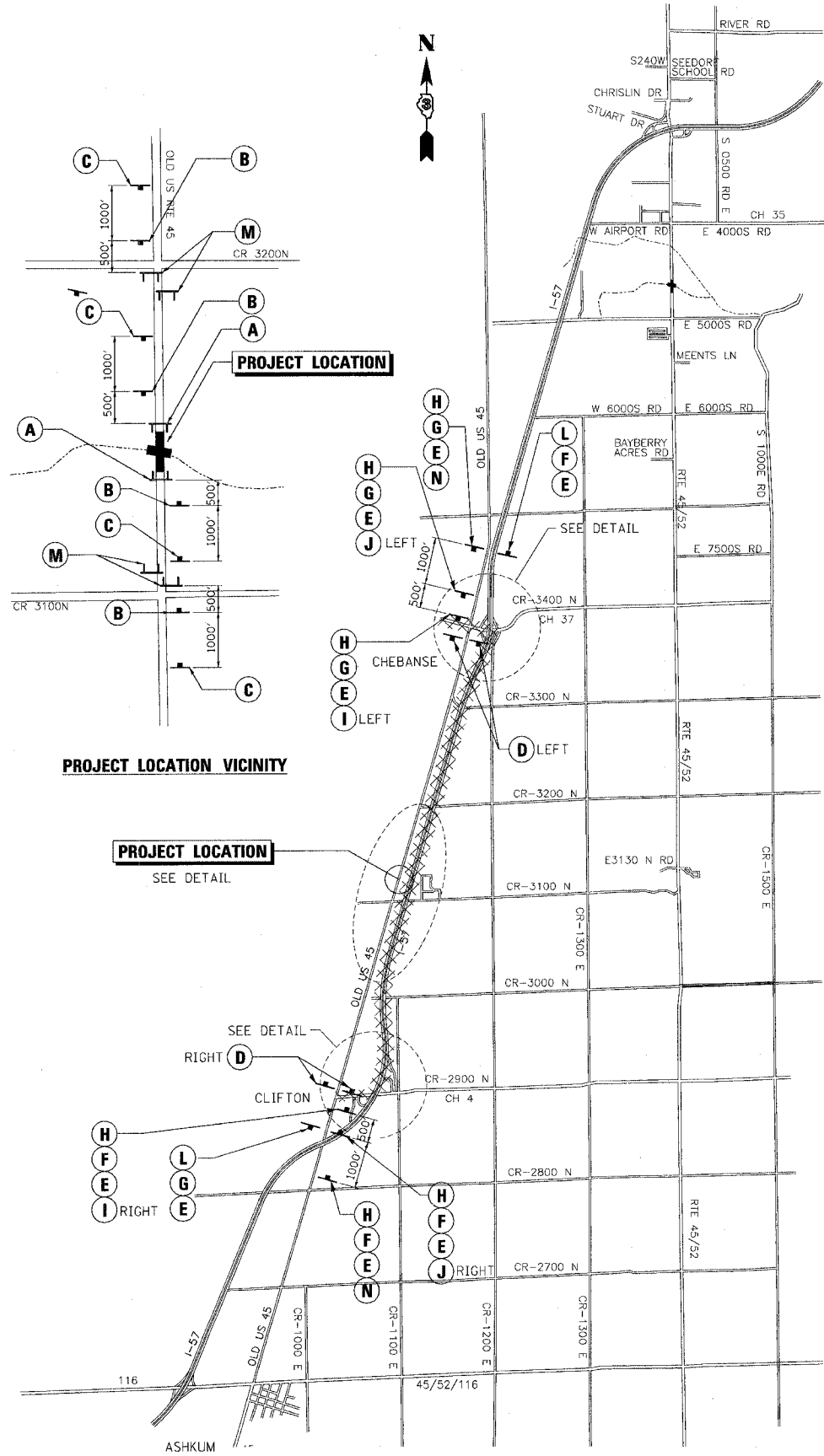
PROFILE
NO.

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SCALE = 1" = 40'
REFERENCE = REF.
OPERATOR = pmp



PLAN AND PROFILE - PROPOSED STRUCTURE REPLACEMENT

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- TT TYPE III BARRICADES CONFORMING TO STD. 702001 "ROAD CLOSED TO ALL TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE
 - TT TYPE III BARRICADES CONFORMING TO STD. 702001 "ROAD CLOSED TO THRU TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE
 - SIGNS ON PERMANENT SUPPORTS
 - ⚡ FLASHING LIGHT ABOVE SIGN
 - ◇ 18"x18" ORANGE FLAG
 - XXXXX DETOUR ROUTE
- GENERAL NOTES**
- ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 - ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED, UNLESS OTHERWISE NOTED.
 - LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
 - SEE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.

PLOT DATE = 12/13/2005
 FILE NAME = J:\03236\W010\Drawings\03236W010detour.dgn
 REFERENCE = REF
 OPERATOR = michelle

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

FAS 1324 (OLD US RTE. 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. _____
HORIZ. _____

DATE _____

DRAWN BY: HEBERLING
CHECKED BY: BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
03236W010DETOUR

PROJECT 03236 W010
12/12/05 - MML

Bench Mark - Chiseled "□" on S.E. Wingwall S.N. 038-0185
Sta. 559+37, 16'-6" Lt., Elevation 637.33.

Existing Structure S.N. 038-0185 - 3 span Precast, Prestressed Concrete Deck beam on pile bent piers and abutments. 34'-0" out to out superstructure and 128'-2" bk. to bk. abutments. Built as S.B.I. 25 Section 38 BR-1 in 1987. Existing Superstructure to be removed and replaced. Traffic to be detoured during construction.

No Salvage

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1324	38 BR-1	IROQUOIS	29	9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
7 SHEETS

Contract # 66564

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.

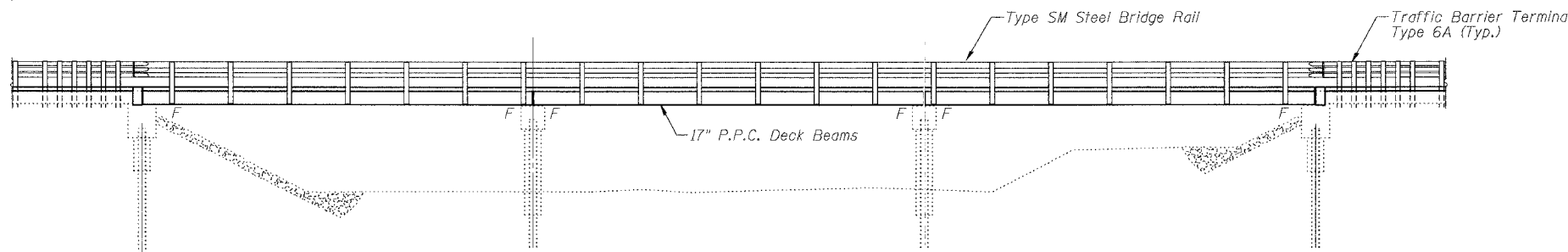
Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor is advised that the existing PPC Deck Beams are in deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

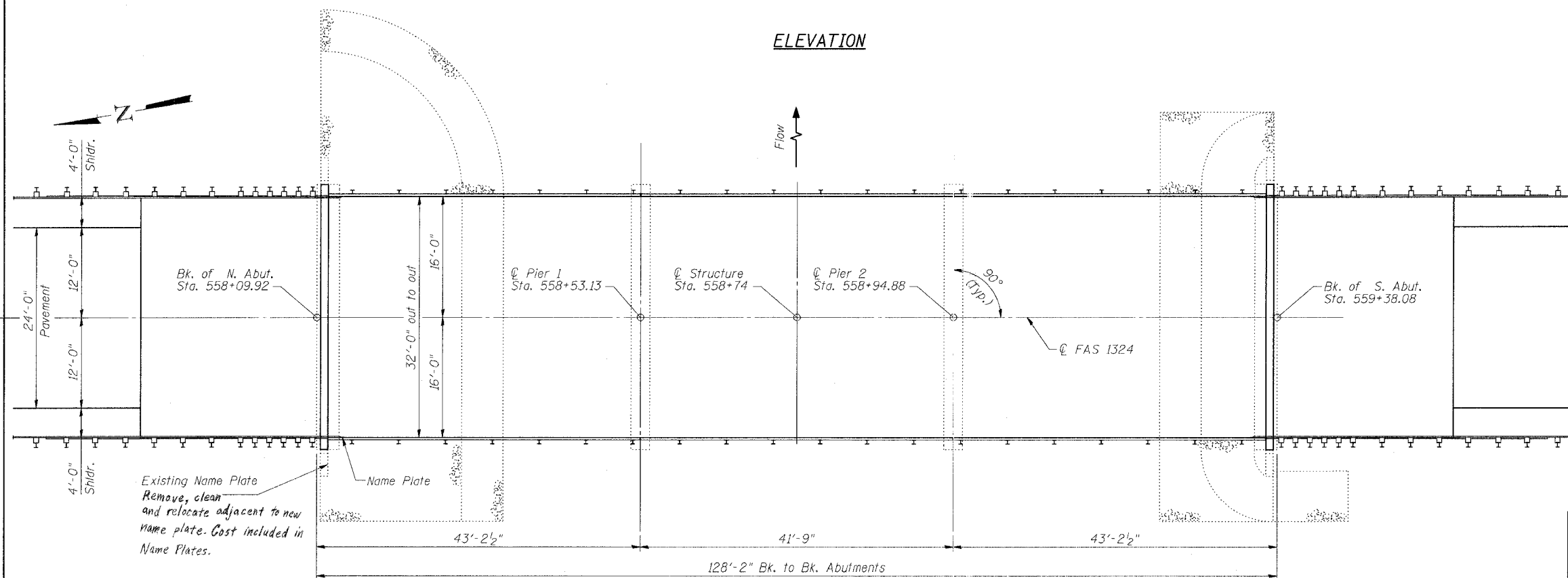
The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to the exterior face and 9" in on the underside of the fascia beams. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

If the Contractor procedure for existing beam removal or replacement of new beams involves placement of cranes or other heavy equipment on new beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the new beams. To distribute load to multiple beams and protect the concrete, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. Prior to placement of the timber mats, the following shall be done: placement and tightening of transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum, and grouting and curing the shear keys. A temporary means of lateral restraint will be required for fascia beams at expansion ends of beams to prevent movement of the beams.

All construction joints shall be bonded.
No in-stream work will be allowed on this project.



ELEVATION



PLAN

LOADING HS20-44

No allowance for Future Wearing Surface

DESIGN SPECIFICATIONS

2002 AASHTO 17th Edition

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f'_c = 5,000$ psi (concrete wearing surface)
 $f_y = 60,000$ psi (reinforcement)

PRECAST PRESTRESSED UNITS

$f'_c = 5,000$ psi
 $f'_{ci} = 4,000$ psi
 $f'_s = 270,000$ psi (1/2" low lax. strands)
 $f'_{si} = 201,960$ psi (1/2" low lax. strands)

EXISTING UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

STATION 558+74
REBUILT 20 BY
STATE OF ILLINOIS
F.A.S. ROUTE 1324
LOADING HS20
STR. NO. 038-0185

NAME PLATE

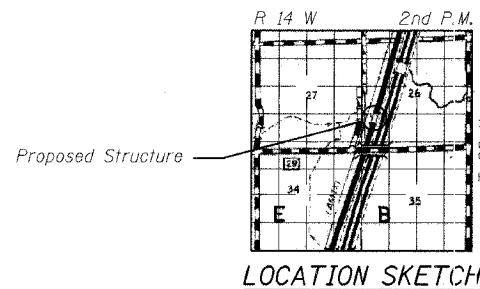
See Std. 515001
Attach to backside of 8" rail element.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Protective Coat	Sq. Yd.	445		445
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		4.4	4.4
Concrete Structures	Cu. Yd.		5.7	5.7
Bridge Deck Grooving	Sq. Yd.	417		417
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	4000		4000
Reinforcement Bars Epoxy Coated	Lb.	5650	870	6520
Steel Bridge Rail, Type SM	Foot	256		256
Name Plates	Each	1		1
Concrete Wearing Surface, 5"	Sq. Yd.	445		445

INDEX OF SHEETS

- General Plan & Elevation
- 3. Superstructure Details
- Type SM Steel Bridge Rail
- Concrete Removal Details
- Abutments



LOCATION SKETCH

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PLOT SCALE = 1/8"=1'-0"
PLOT DATE = 12/8/2005
PLOT TIME = 10:41 AM
OPERATOR = GVB

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION

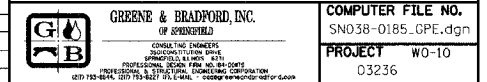
OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE: 12/8/05

DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY:

COMPUTER FILE NO.
SNO38-0185_GPE.dgn
PROJECT WO-10
03236

REVISIONS	
NAME	DATE

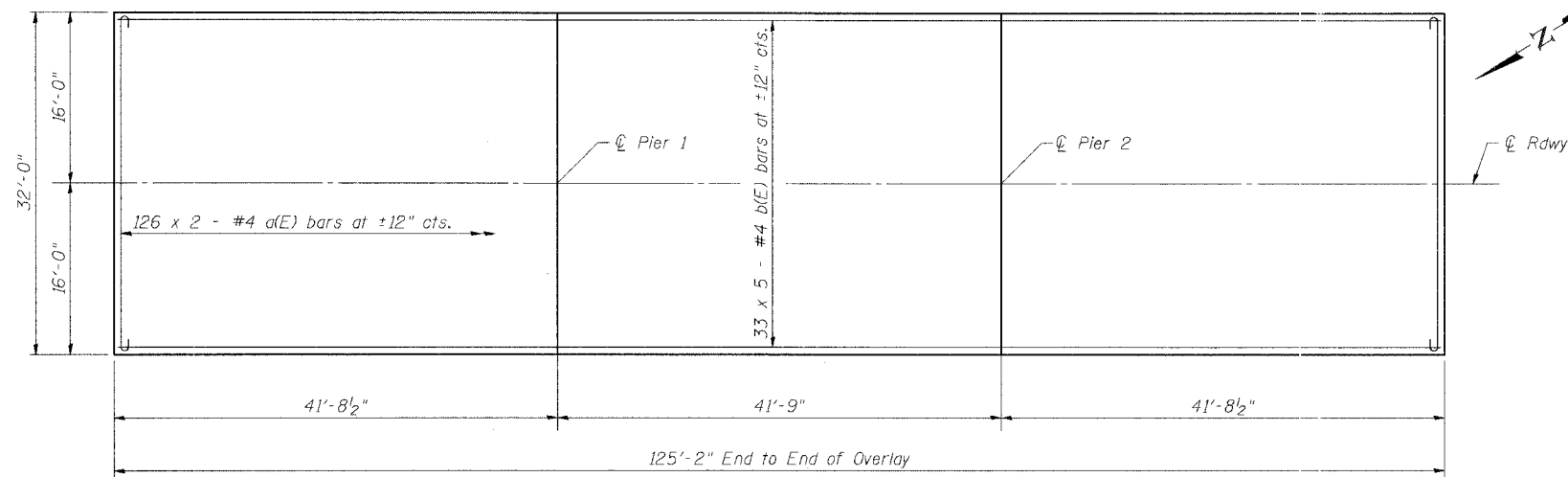


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

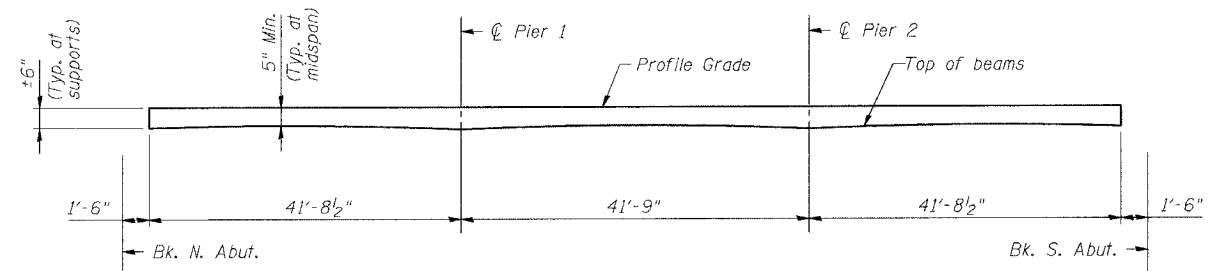
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FAS 1324	38 BR-1	IROQUOIS	29	10
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 2
7 SHEETS

Contract # 66564

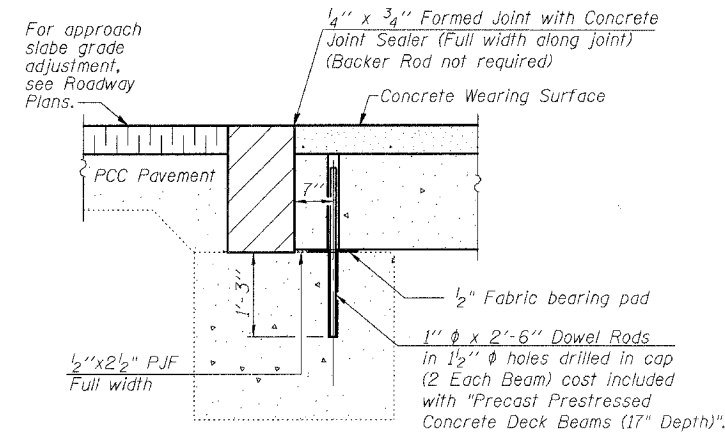


MIN. BAR LAP
#4 bar = 1'-4"



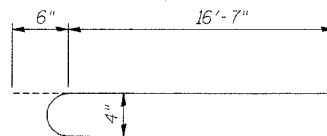
REINFORCED CONCRETE WEARING SURFACE PROFILE

Note:
The thickness of the concrete overlay varies as required to adjust for the profile grade and beam camber.

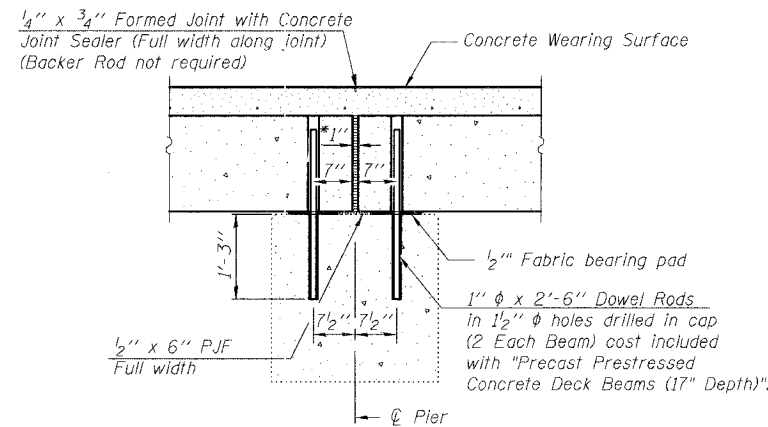


SECTION THRU ABUTMENTS

DECK PLAN

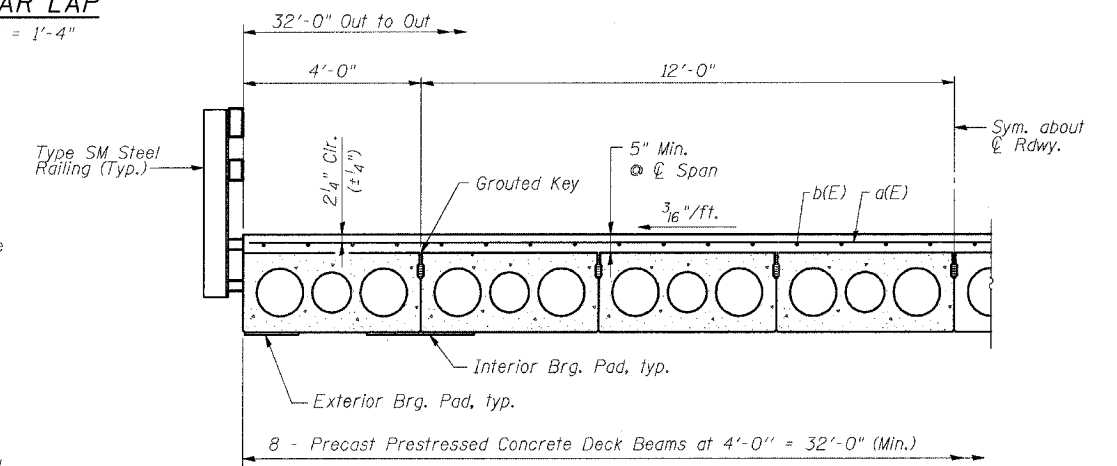


BAR d(E)



SECTION THRU PIERS

* 1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.



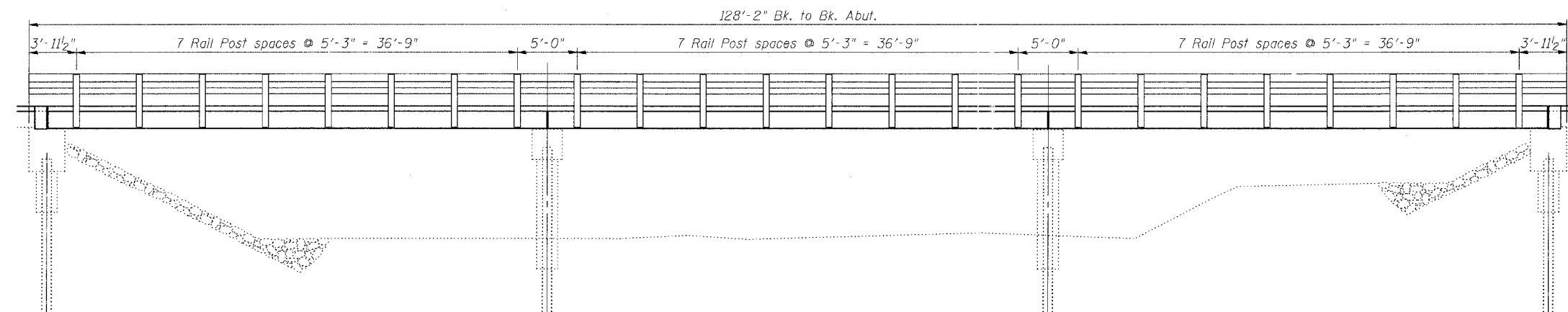
HALF CROSS SECTION

Notes:
After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
Hatched area to be poured after concrete wearing surface is in place.
See sheet 3 of 6 for bearing pad details.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	252	#4	17'-1"	
b(E)	165	#4	26'-1"	
Concrete Wearing Surface, 5"		Sq. Yd.	445	
Reinforcement Bars (Epoxy Coated)		lb.	5650	

Reinforcement bars designated (E) shall be Epoxy Coated.



RAIL POST SPACING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS

OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

SCALE: VERT. HORIZ.
DATE: ***/**/05
DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY: -

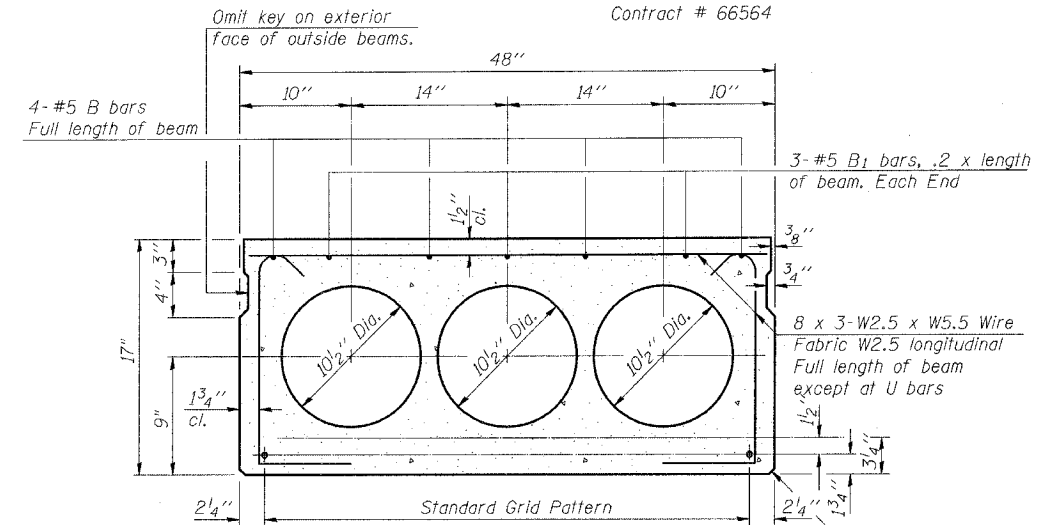
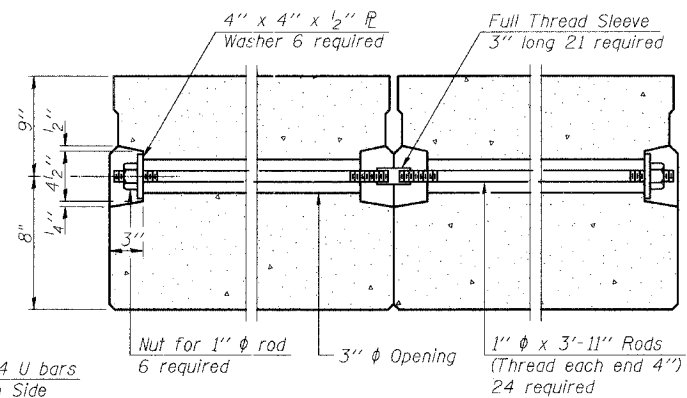
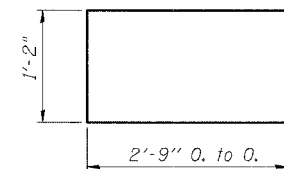
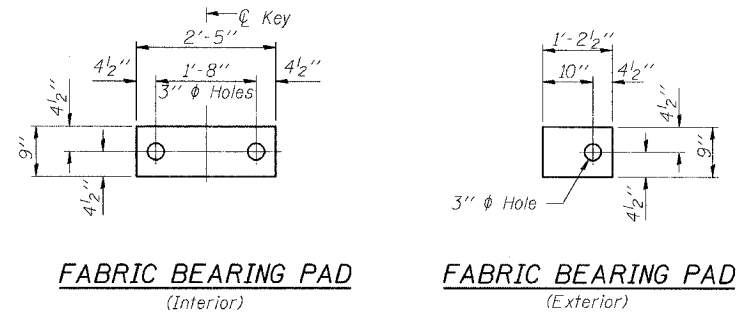
 GREENE & BRADFORD, INC. OF SPRINGFIELD REGISTERED PROFESSIONAL ENGINEERS PROFESSIONAL DESIGN FIRM NO. 041-0018 PROFESSIONAL ENGINEERING LICENSE NO. 041-0018 1017 N. 44th St., Springfield, IL 62761-1018 217-781-8444, 217-781-8277 FAX	COMPUTER FILE NO. SN038-0185_SS1.dgn PROJECT WO-10 03236
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 PLOT TIME = 8:38:49 AM
 OPERATOR = dcvsh

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATIONING	SHEET NO.	SHEET NO. 3 7 SHEETS
FAS 1324	38 BR-1	IRROQUOIS	29	11	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

Contract # 66564



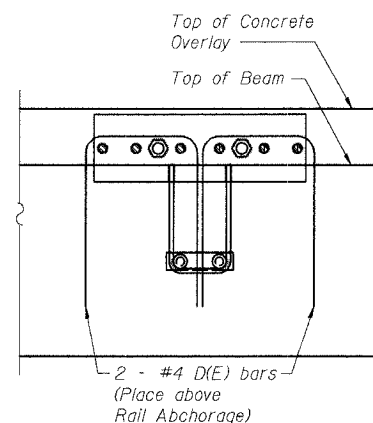
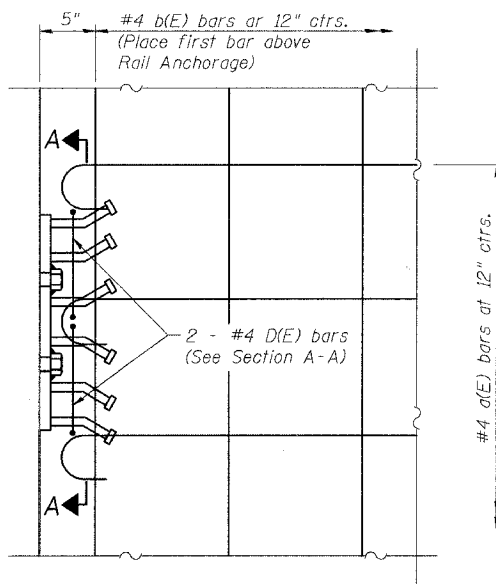
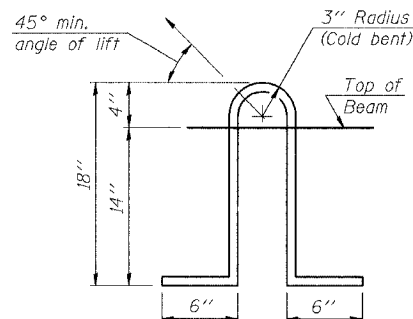
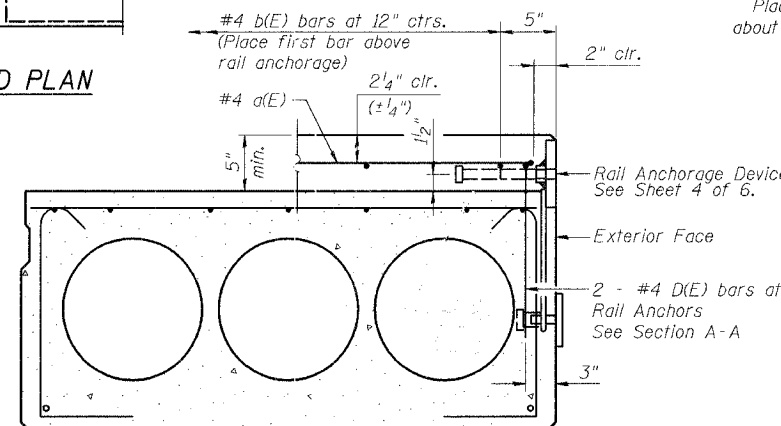
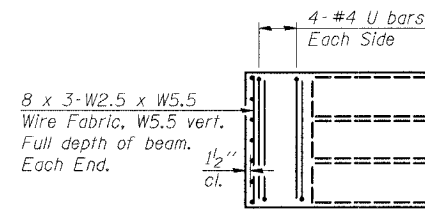
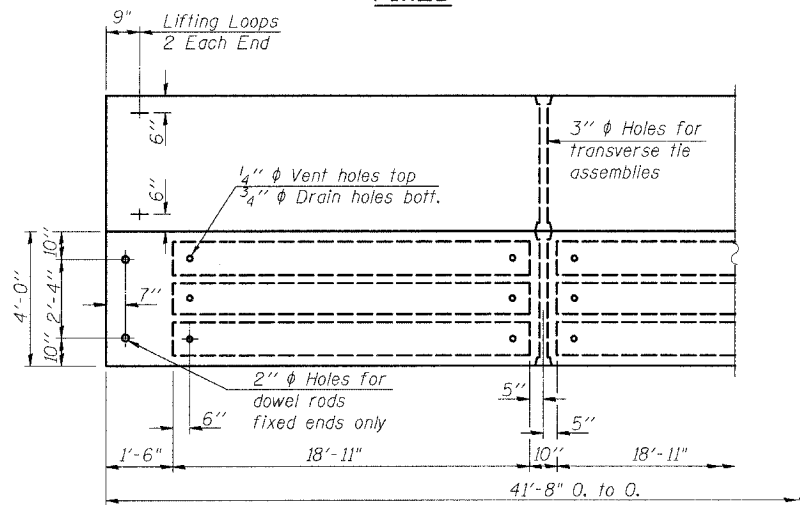
Note:
Place strands symmetrically about \bar{C} of beam.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 2-1/2" φ-270 ksi strands, as shown. The 1" φ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place. Non prestressing steel shall conform to AASHTO M-31 or M-322 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key. Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams. Required Release Strength, f'_{ci} , shall be 4,000 p.s.i.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Precast Prestressed Conc. Deck Bms.		Sq. Ft.	4,000	(17" Depth)



The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted.

BAR D

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PLOT SCALE = 1/8"=1'-0"
PLOT DATE = 12/8/2005
PLOT TIME = 8:38:05 AM
OPERATOR = GVEH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IRROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

SCALE: VERT. HORIZ. DATE: */**/05

DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY: -

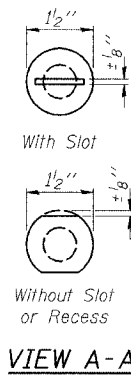
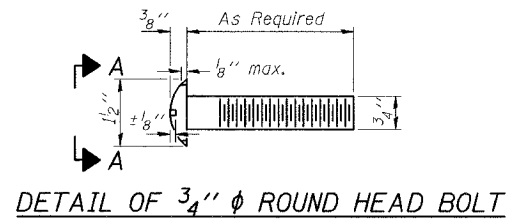
GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-00000000
PROFESSIONAL ENGINEERING CORPORATION
1201 P.O. BOX 1201, SPRINGFIELD, ILL. 62702-1201

COMPUTER FILE NO. SN038-0185-SS2.dgn
PROJECT W0-10 03236

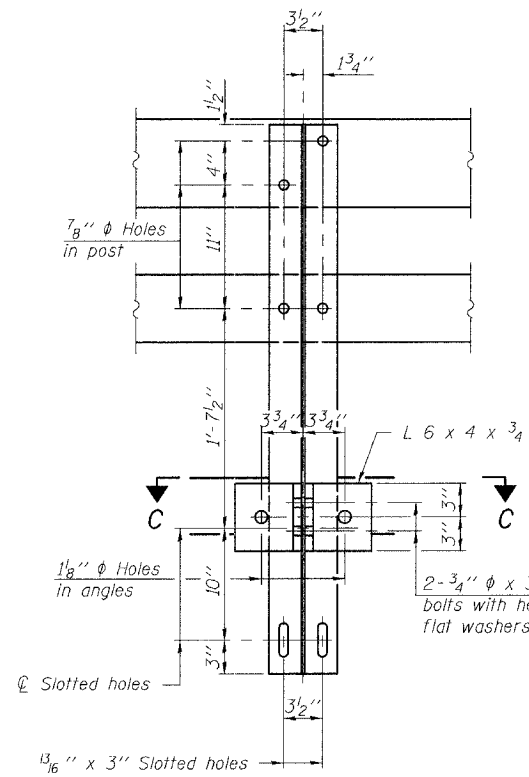
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 7 SHEETS
FAS 1324	38 BR-1	IROQUOIS	29	12	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

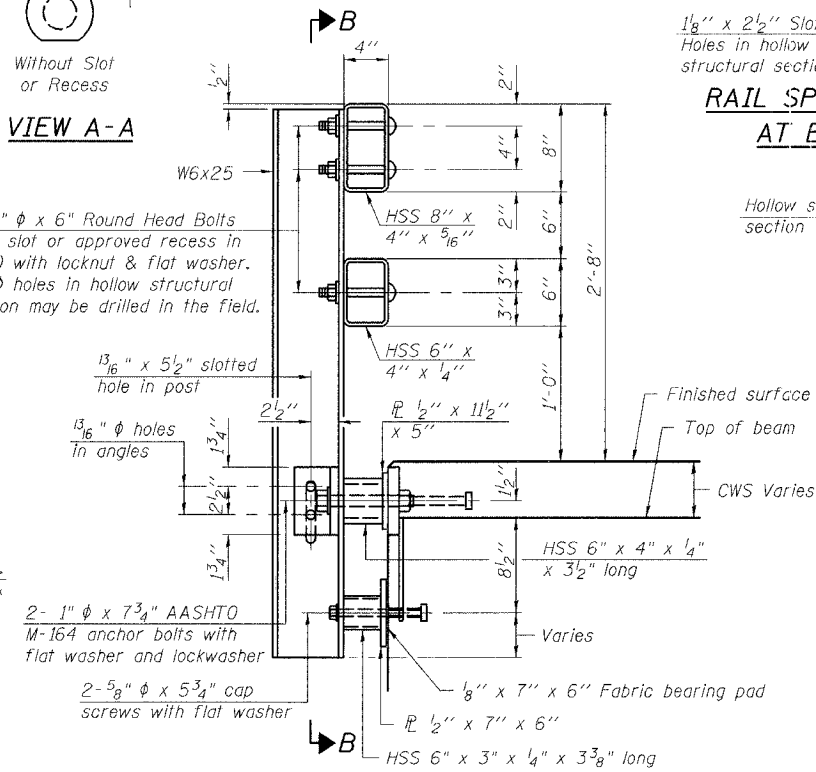
Contract # 66564



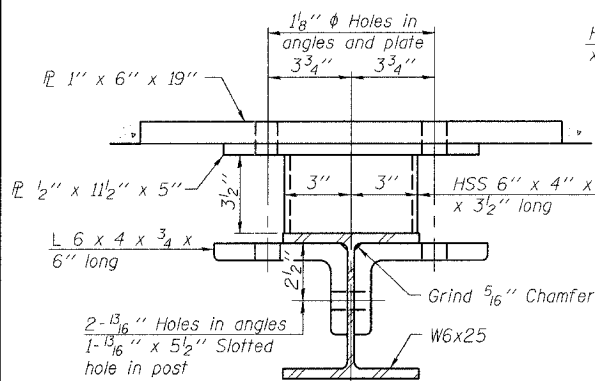
4- 3/4" ϕ x 6" Round Head Bolts
(With slot or approved recess in head) with locknut & flat washer.
7/8" ϕ holes in hollow structural section may be drilled in the field.



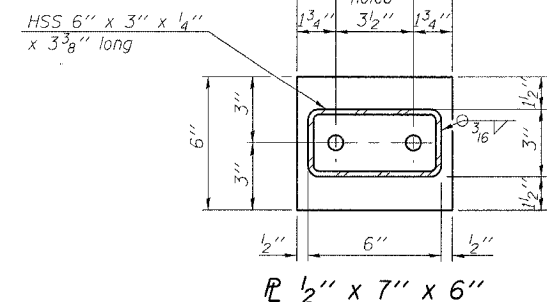
SECTION B-B



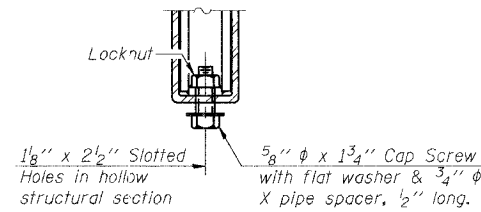
SECTION AT RAIL POST



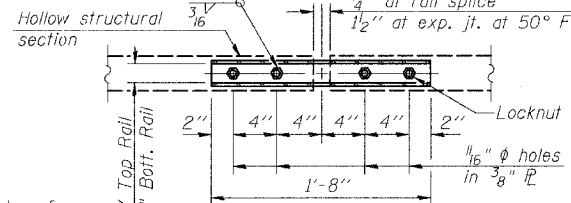
SECTION C-C



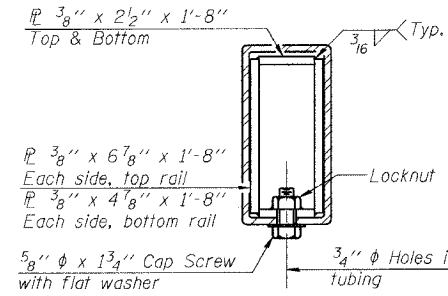
ANCHOR DEVICE



RAIL SPLICE CONNECTION
AT EXPANSION JT.

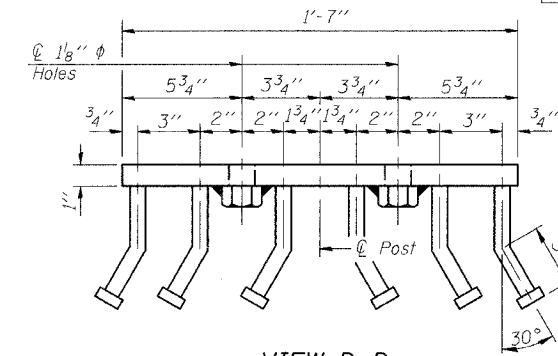


PLAN-BOTT. SPLICE R
TYPICAL

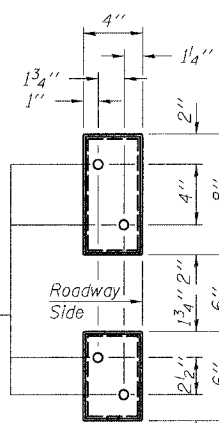


SECTION AT
RAIL SPLICE

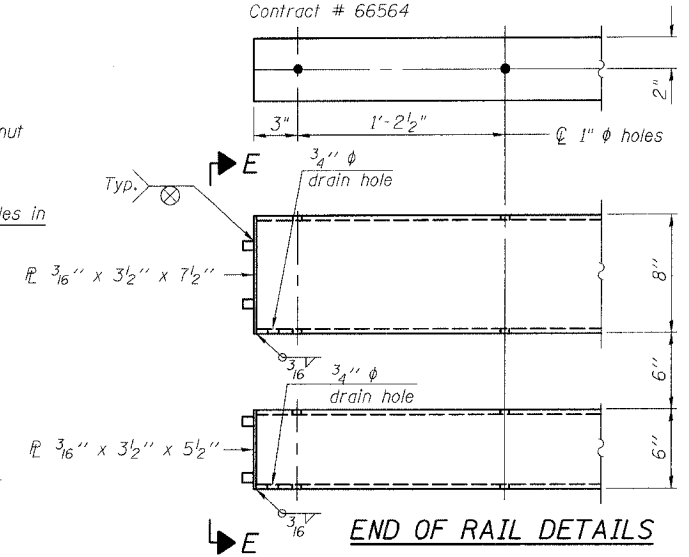
Hollow structural section
2- 5/8" ϕ x 1 3/4" Cap Screw with flat washer & 3/4" ϕ X pipe spacer, 1/2" long.
Locknut
1/8" x 2 1/2" Slotted Holes in hollow structural section
1/4" at rail splice
1/2" at exp. jt. at 50° F.
Locknut
1/16" ϕ holes in 3/8" R



VIEW D-D



VIEW E-E



END OF RAIL DETAILS

NOTES

Hollow structural sections shall conform to the requirements of ASTM designation A 500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft-lbs at 0° F.
All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts and angles shall conform to AASHTO M 270, Grade 50.
Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A 307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M 164.
All bolts, nuts, cap screws, washers and lock washers shall be galvanized according to AASHTO M 232.
All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Galvanized rail shall not be painted.
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for Steel Bridge Rail, Type SM.
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Bridge Rail, Type SM.
The 3/4" ϕ high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened according to Article 505.04(F)(2) of the Standard Specifications. The 1" ϕ high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/8 turn. The 5/8" ϕ cap screws in bottom of posts shall be tightened to a snug fit only.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Bridge Rail, Type SM	Foot	256

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPE SM STEEL BRIDGE RAIL
SIDE MOUNTED
OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ. DATE: **/**/05
DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY:
COMPUTER FILE NO. SNO38-0185_RL.dgn
PROJECT WO-10 03236

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
AND ARCHITECTS
PROFESSIONAL DESIGN FIRM NO. 0089
1201 W. 84th, 1211 W. 82nd St. E. Des Moines, IA 50319
515-281-1200

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PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 12/8/2005
PLOT TIME = 8:38:32 AM
OPERATOR = daveh

R-34CWS 10-28-05 (6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

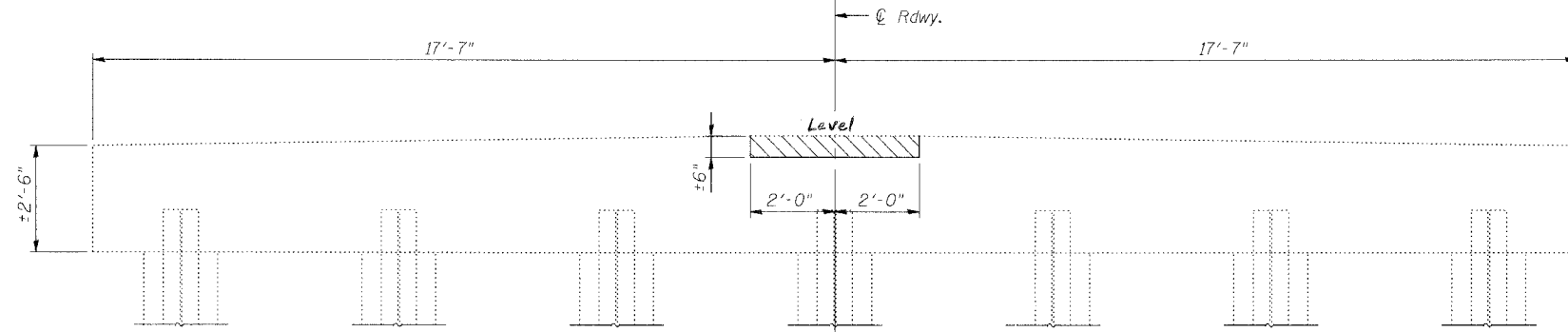
* Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

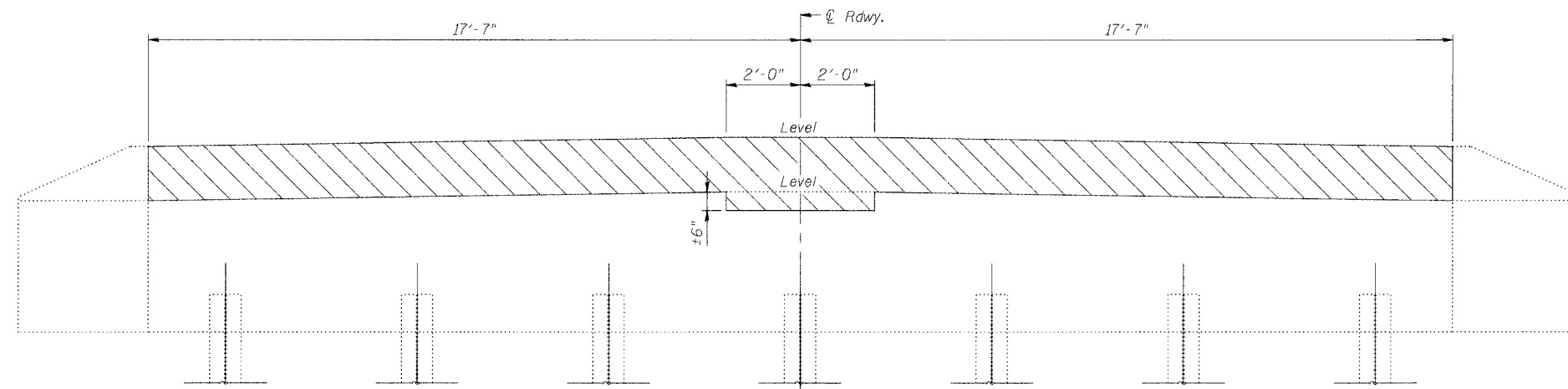
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FAS 1324	38 BR-1	IROQUOIS	29	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
7 SHEETS

Contract # 66564



PIER ELEVATION

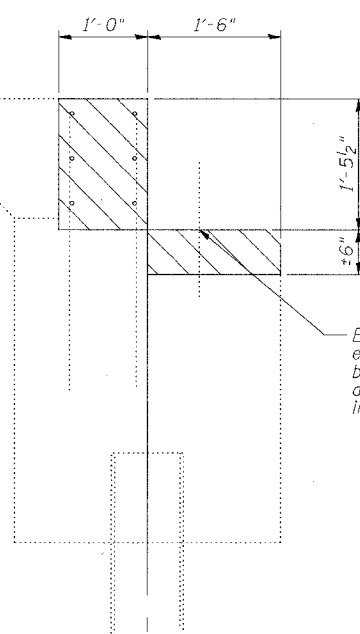


ABUTMENT ELEVATION

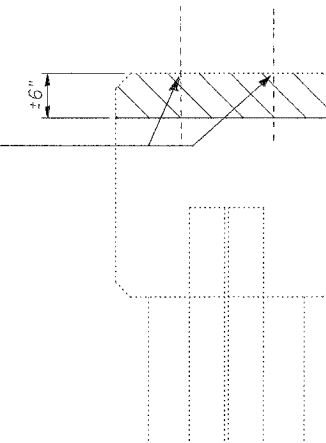
Looking North (N. Abut.)
Looking South (S. Abut.)

LEGEND

Indicates Concrete Removal



SECTION THRU ABUT.
(at C.Rdwy.)



SECTION THRU PIER
(at C.Rdwy.)

Note:

Existing reinforcement extending into removed areas shall be cleaned, straightened and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with "Concrete Removal".

Existing $\frac{3}{4}$ " ϕ x 1'-6" dowel rods extending from existing beams into abutment and pier caps shall be cut off flush with the top of the bearing seat and covered with a layer of epoxy grout. Cost included with "Removal of Existing Superstructures".

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OPERATOR = daveh

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS

OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

SCALE: VERT. _____
HORIZ. _____
DATE: ***/**/05

DRAWN BY: HEBERLING
DESIGNED BY: SANFORD
CHECKED BY: _____

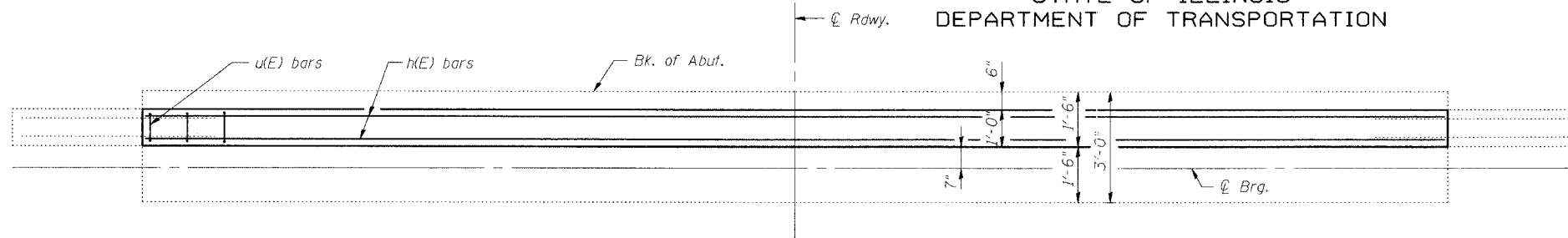
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SN038-0185-REM.dgn
PROJECT W0-10
03236



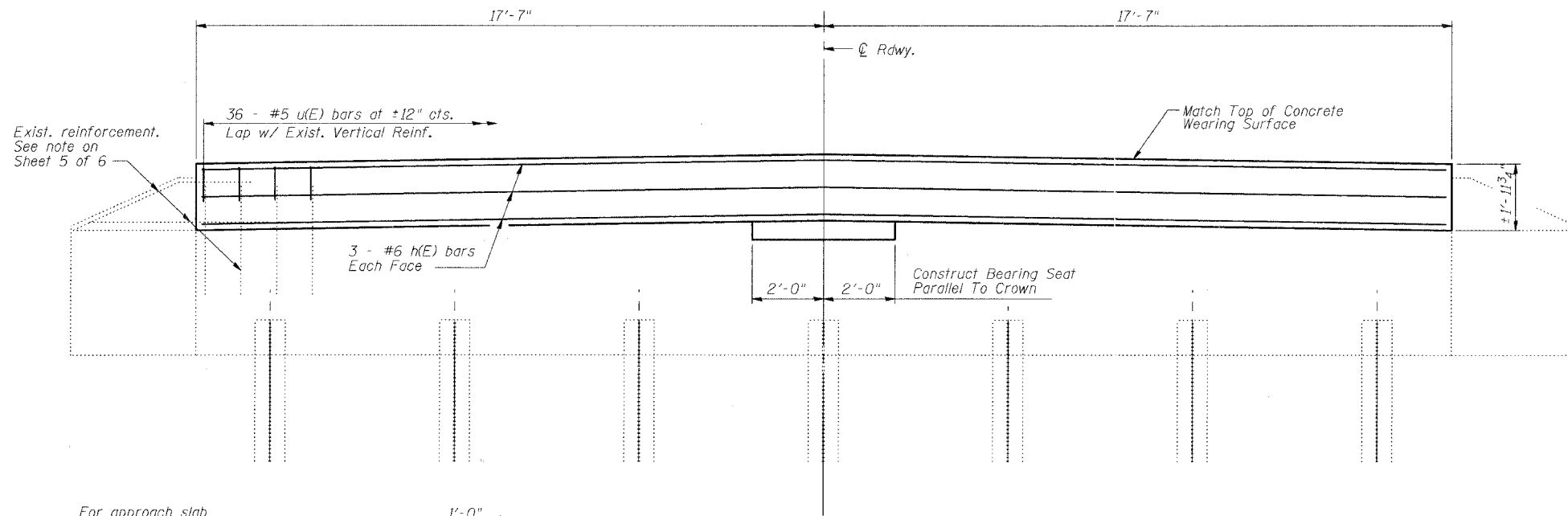
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 7 SHEETS
FAS 1324	38 BR-1	IROQUOIS	29	14	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

Contract # 66564

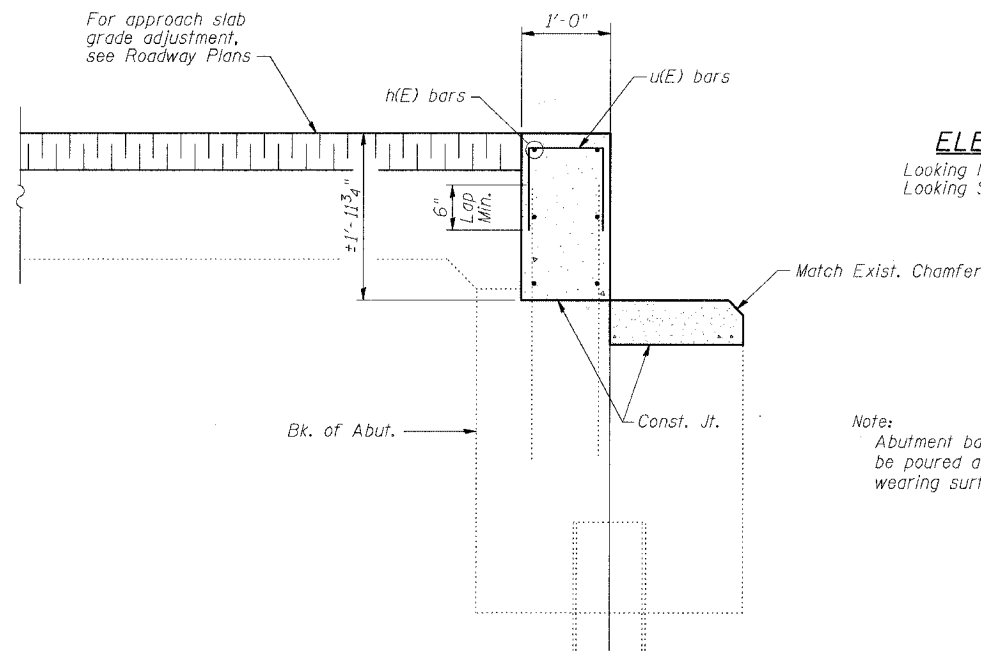


PLAN



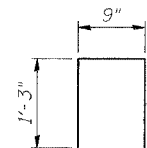
ELEVATION

Looking North (N. Abut.)
Looking South (S. Abut.)



SECTION THRU ABUT.

(at Brg.)



BAR u(E)

Note:
Abutment backwall shall be poured after concrete wearing surface is in place.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	12	#6	34'-10"	—
u(E)	72	#5	3'-3"	□
Concrete Removal			Cu. Yd.	4.0
Concrete Structures			Cu. Yd.	5.3
Reinforcement Bars, Epoxy Coated			lb.	870

Reinforcement bars designated (E) shall be epoxy coated.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ABUTMENTS

OLD US 45 OVER LANGAN CREEK
FAS ROUTE 1324 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74
S.N. 038-0185

SCALE: VERT. DRAWN BY: HEBERLING
HORIZ. DESIGNED BY: SANFORD
DATE: #/##/05 CHECKED BY:

GREENE & BRADFORD, INC.
OF SPRINGFIELD
PROFESSIONAL ENGINEERS AND ARCHITECTS
COMPUTER FILE NO. abutments.dgn
PROJECT WO-10
03236

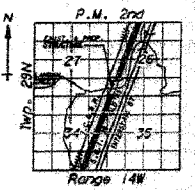
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OPERATOR = dvv/h

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
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STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

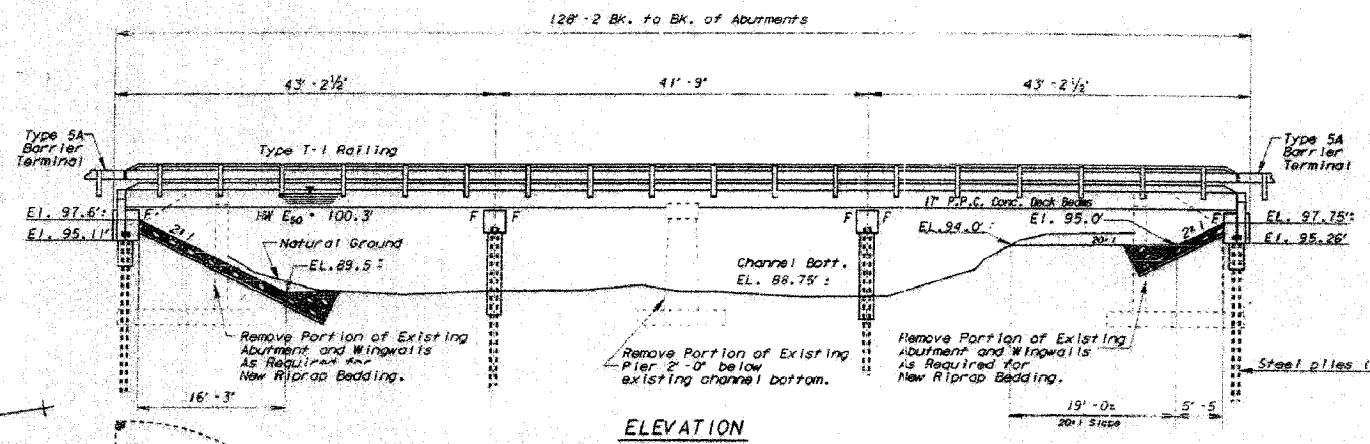
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	ALL	SCALE	SHEET
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DESIGNED BY	DATE	SCALE	SHEET
J. M. BOTT	11/16/05	AS SHOWN	29 16

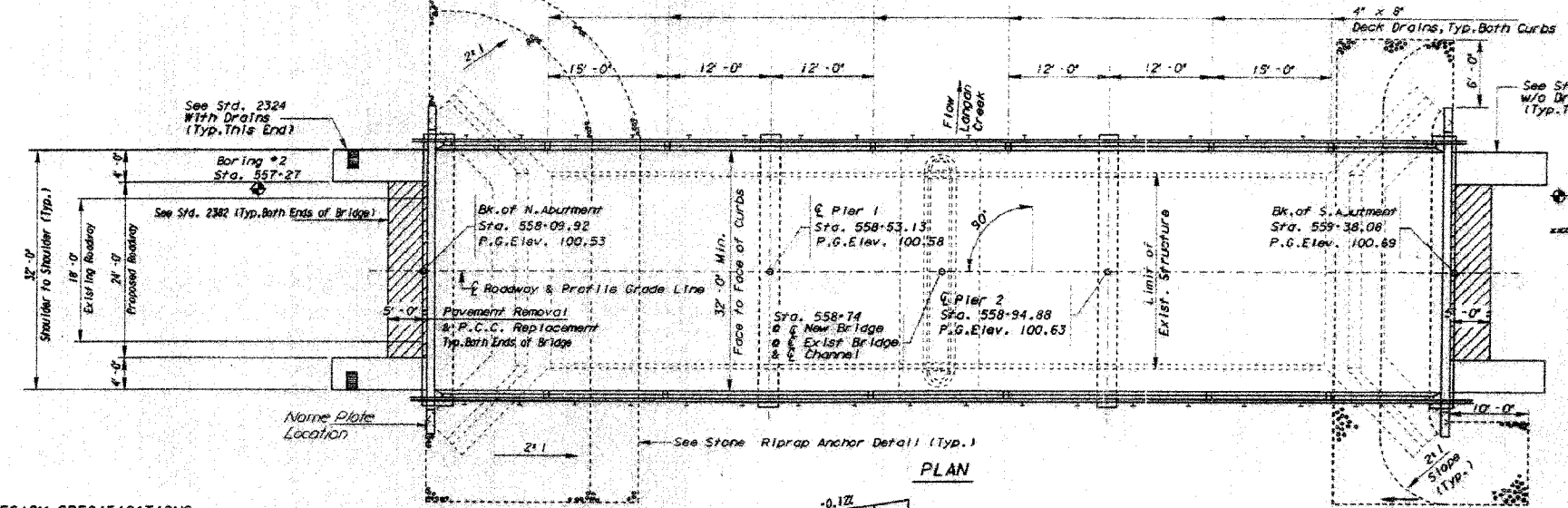
B.M. 2' Chiseled 'I' Cut on N.E. Railroad Abutment
Sta. 558+20, 105' Right, Elevation 100.88'
Existing Structure: 038-0114 Built as Part
of S.B.I. Rte. 25 Section 38B at Sta.
558+74 in 1921. Two Span R.C. thru Girder
Structure on Closed Abutments & Solid Pier.
10' " Back to Back of Abutments and
24' " Out to Out of Deck. Existing
Structure to be Replaced by P.C. Deck
Beams on Open Abutments and Piers.
Contractor to Remove Existing
Structure as Necessary to Accommodate
New Bridge. Traffic to be Detoured.
Salvage None



LOCATION SKETCH



- GENERAL NOTES
- See Sheet 29 for Boring Data.
 - Reinforcement bars shall conform to the requirements of AASHTO Standard Specifications for Highway Bridges, 1996 Edition, Section 5.12.2.3 Grade 60.
 - The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specification except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".
 - A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
 - Protective Coat shall not be applied to surfaces to which Membrane Waterproofing is applied.
 - The contractor shall drive TWO Steel I-beam piles in permanent locations (ONE @ North Abut. and ONE @ Pier No. 2) as directed by the Engineer before ordering the remainder of piles.
 - Layout of stone riprap may be varied in the field to suit ground conditions as directed by the engineer.



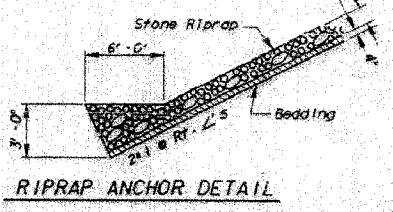
TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Removal of Existing Structures	Each		1	1
Class X Concrete Encasement	Cu. Yd.		92	92
Structure Excavation	Cu. Yd.		92	92
Steel Piles HP 10 x 42	Ltn. Ft.		949	949
Test Piles, Steel HP 10 x 42	Each		2	2
Class X Concrete	Cu. Yd.		47.8	47.8
Reinforcement Bars	Pounds	380	540	5920
P.P. Concrete Deck Beams, 17' 0"	Sq. Ft.	4250		4250
Waterproofing Membrane System	Sq. Yd.	452		452
Bituminous Conc. Surf. Crse. C.I. 1	Tons	55		55
Steel Railing, Type T-1	Ltn. Ft.	252		252
Stone Riprap	Sq. Yd.		304	304
Name Plates	Each		1	1
Pavement Rem. & P.C. Rep. 72' RT	Sq. Yd.		27	27
P.C. Mortar Fairing Course	Ltn. Ft.		1000	1000
Protective coat	Sq. Yd.		42	42
Class X Concrete Superstructure	Cu. Yd.	11.5		11.5

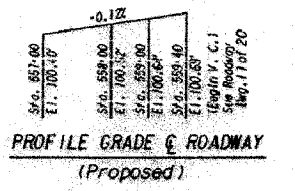
DESIGN SPECIFICATIONS
1983 AASHTO & 1984 & 1985 Interim
HS20-44 Loading

DESIGN STRESSES
FIELD UNITS
F_c = 3,500 p.s.i.
F_y = 60,000 p.s.i.

PRECAST PRESTRESSED UNITS
F_c = 5,000 p.s.i.
F_{ci} = 4,000 p.s.i. (Fascia Beams)
F_{ci} = 4,200 p.s.i. (Interior Beams)
F_s = 270,000 p.s.i. (1 1/2" strands)
F_{si} = 189,000 p.s.i. (1 1/2" strands)
Allow 25'/sq. ft. for future wearing surface.



RIPRAP ANCHOR DETAIL



PROFILE GRADE & ROADWAY (Proposed)

LEGEND
Diagonal lines: Denotes Pavement Removal
Diamond: Denotes Soil Boring

WATERWAY INFORMATION

Drainage Area = 84.8 Sq. MI. Low Grade Elev. = 98.95 At Sta. 541+00

Flood Yr.	Head-Ft	Headwater Et
Design 50	2412	762
Base 100	2729	762
Overlapping 25	2078	841
Max. Calc. 500		841



APPROVED FOR STRUCTURAL ADOPTANCE ONLY

James J. Sutherland
Engineer of Bridges and Structures

STATION 558+74
BUILT 19 BY
STATE OF ILLINOIS
S.B.I. RT. 25 SEC. 38 BR-1
LOADING HS-20
STR. NO. 038-0185

NAME PLATE
(SEE STD. 2113)

PROJECT 558-0185 (65)

GENERAL PLAN & ELEVATION
S.B.I. ROUTE 25
OVER Langan Creek
SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE PLANS
FAS 1324 (OLD US RTE 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. 1"=10'
HORIZ. 1"=100'
DATE: 11/16/05

DRAWN BY: SUTHEARD
CHECKED BY: BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD

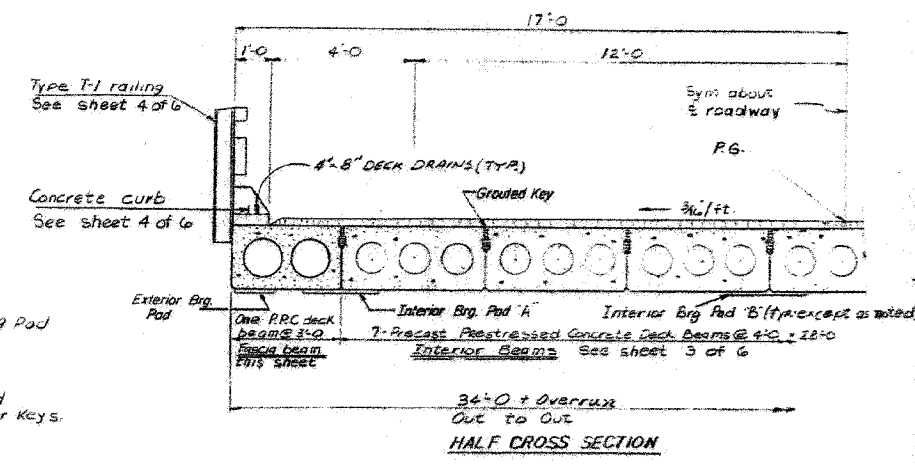
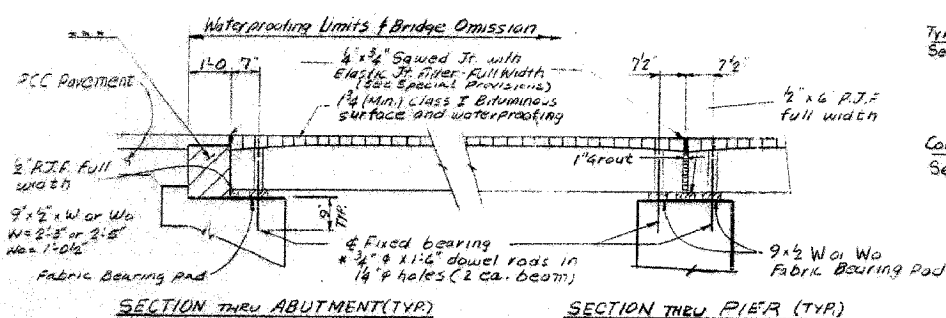
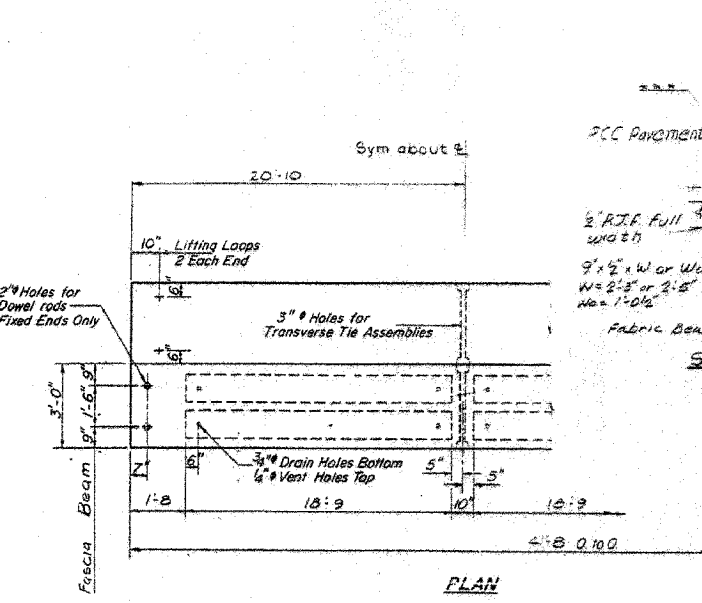
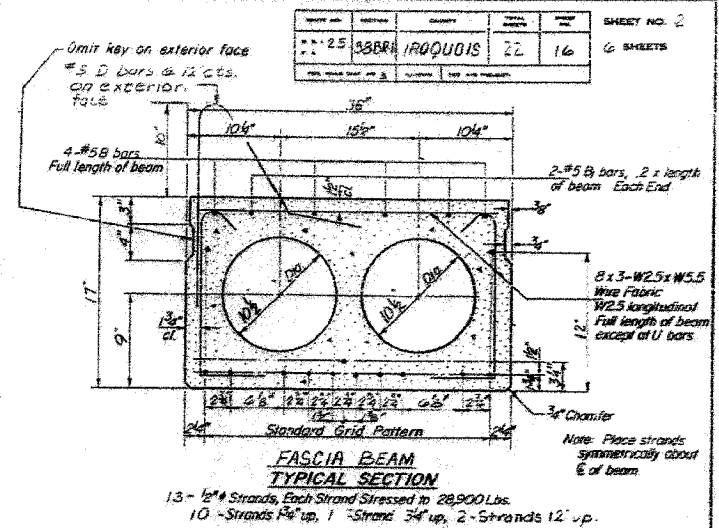
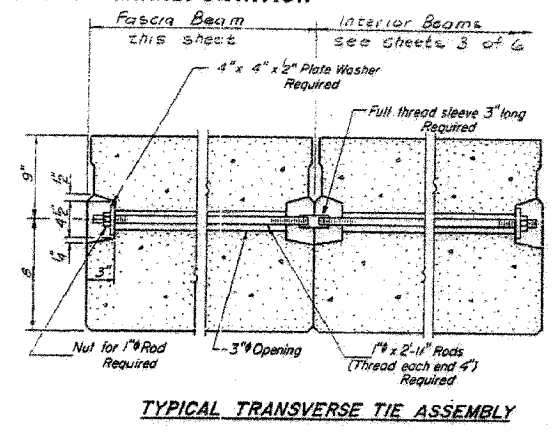
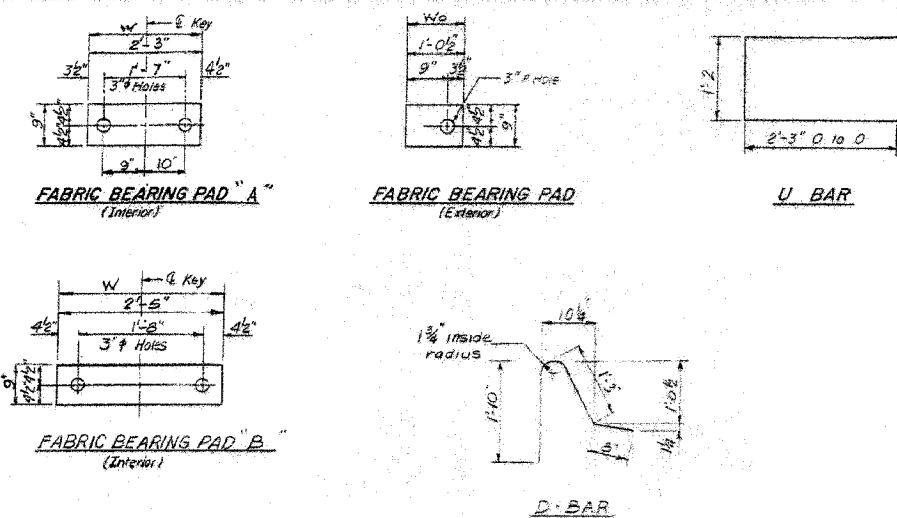
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PROJECT 03236 W010
11/16/05 - MDS

FOR INFORMATION ONLY

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Drawing No. = 03236.W010.EPLN
Reference = REF.
Operator = JMB

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	TOTAL SHEET NO.
1324	38 BR-1	IROQUOIS	29	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
Precast Prestressed Concrete Deck Beams	Sq Ft		4,250.	
Class. x Conc. Support	Cu Yd		3.6	

NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 5/8" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 lbs. or 2-1/2" #270 ksi strands, as shown. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to AASHTO M-318M-22 or M-33 Grade 60. The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shoring of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

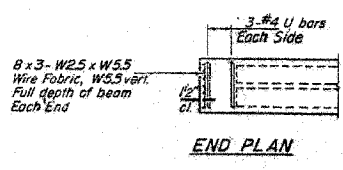
Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

Required Release Strength, f'ci, shall be 4000 p.s.i.

An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.

NOTE

For Anticipated Camber Diagram and Lifting Loop Details See Sheet 3 of 6



DESIGNED	D. J.
CHECKED	W. E. K.
DRAWN	P. WRONSKY
CHECKED	A. J. M.

PD-3-S 4-15-93

FOR INFORMATION ONLY

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FAS 1324 (OLD US RTE 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. DATE: 11/16/05
HORIZ. DATE: 11/16/05
DRAWN BY: SUTHEARD
CHECKED BY: BOTT

GABRENE & BRADFORD, INC.
CONSULTING ENGINEERS
2300 WASHINGTON STREET
SPRINGFIELD, ILLINOIS 62761
PROFESSIONAL ENGINEERS LICENSE NO. 021-000001
PROFESSIONAL SURVEYORS LICENSE NO. 021-000001

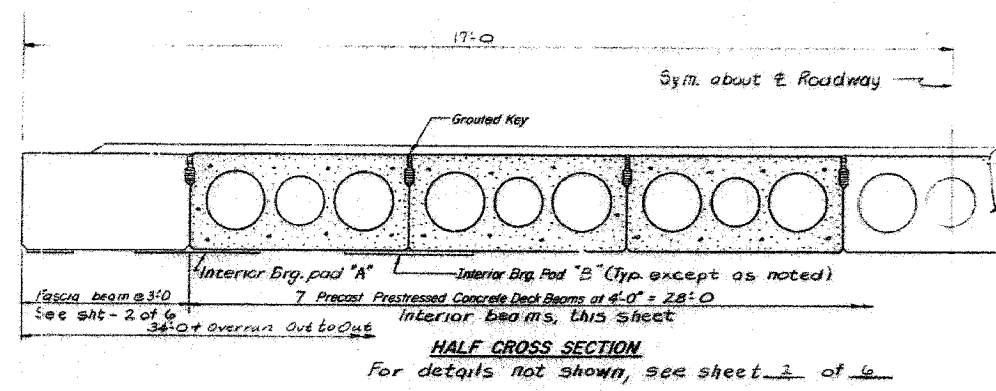
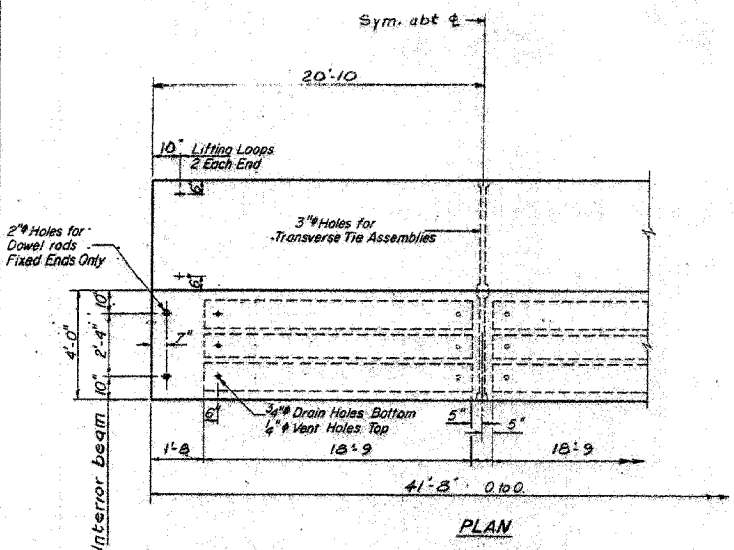
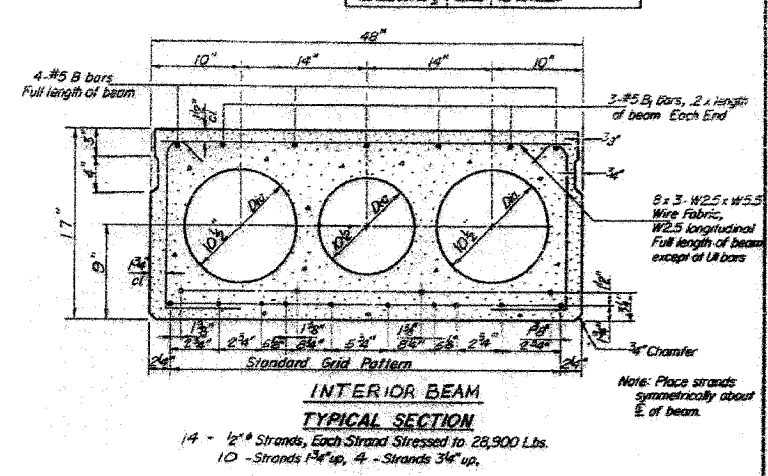
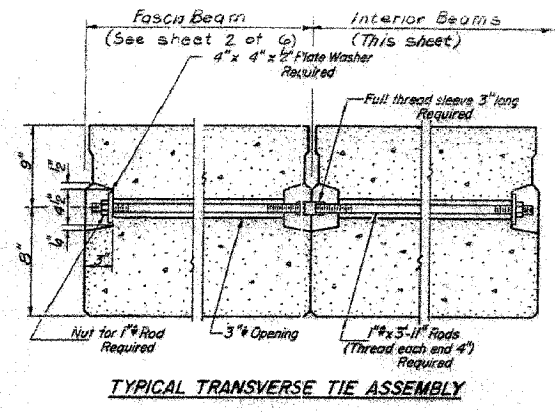
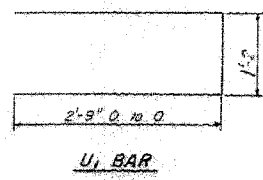
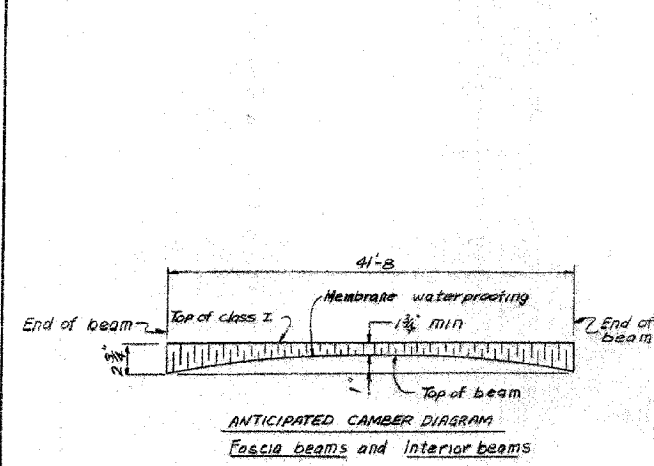
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PROJECT 03236 W010
11/16/05 - MDS

PLOT DATE = 12/9/2005
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PLOT SCALE = 5/8"=1'-0"
REFERENCE = REF.
OPERATOR = psg

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

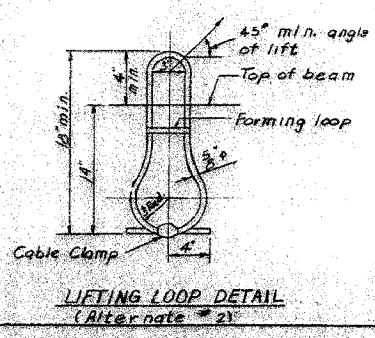
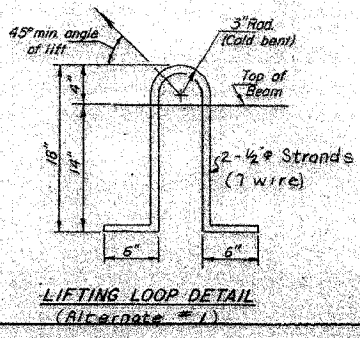
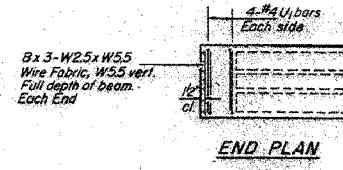
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	SECTION	PROJECT	DATE	SHEET NO.
11-25-05	38 BR-1	IROQUOIS	22	17
SHEET NO. 3 6 SHEETS				



FOR BILL OF MATERIAL
See sheet 2 of 6

NOTE:
For details of bearing pads
see sheet 2 of 6



NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Living loops shall be 5/8" diameter, 6 x 25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 53,000 lbs. or 2 - 1/2" - 270 ksi strands, as shown.

The 1/4" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Nuts that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to AASHTO M-31 or ASTM A-63 Grade 60.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

Required Release Strength, f_{cr}, shall be 4,200 p.s.i.

An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.

PPG DECK BEAMS - INTERIOR
S.B.I. ROUTE 25 SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74

DESIGNED	D. J.
CHECKED	W. E. K.
DRAWN	P. Wronosky
CHECKED	A. J. M.

PD-4-S 4-5-83

FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE PLANS

FAS 1324 (OLD US RTE 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 11/16/05

DRAWN BY: SUTHEARD
CHECKED BY: BOTT

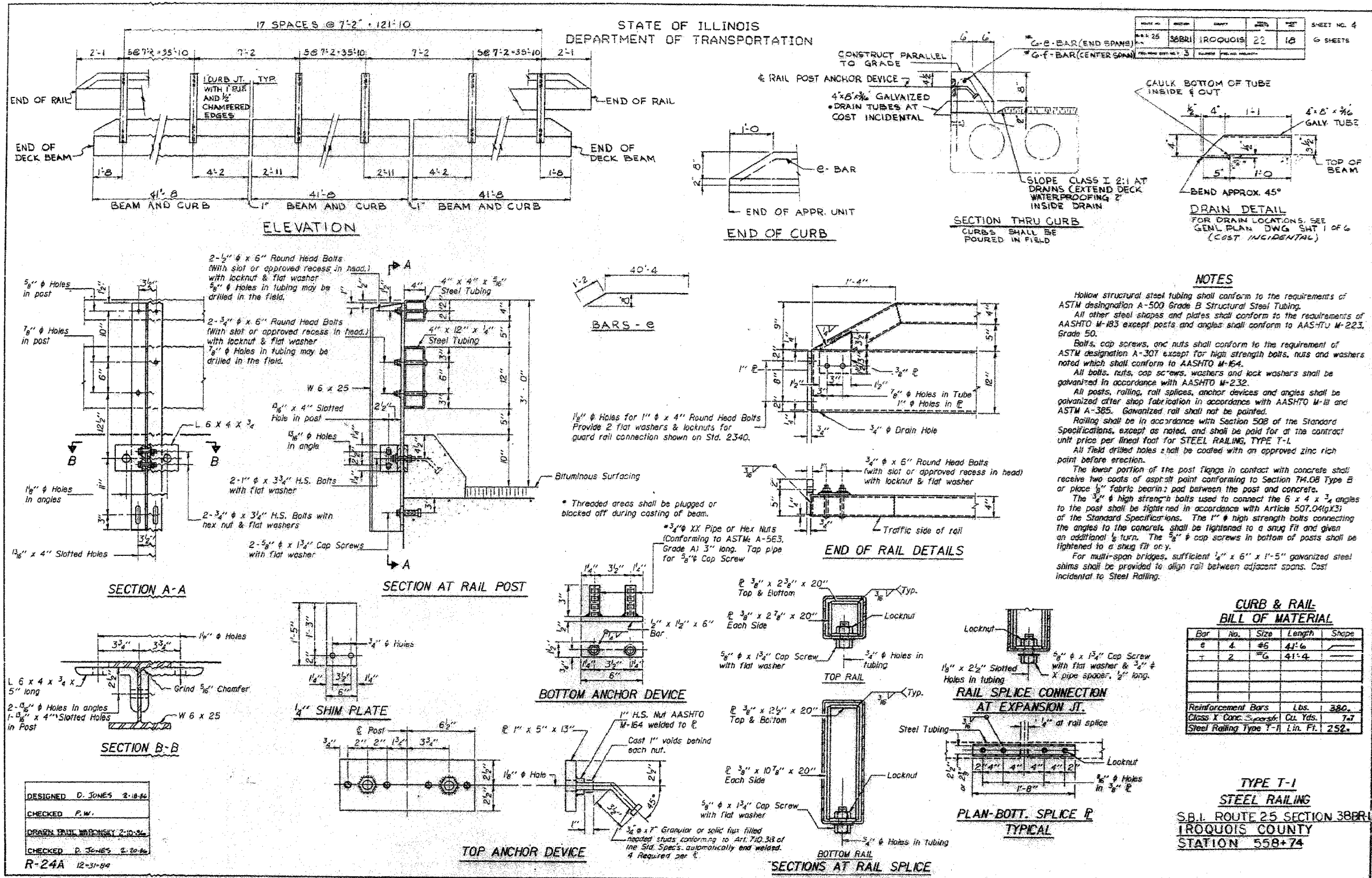
GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
03236.W010.EPLN

PROJECT 03236 W010
11/16/05 - MDS

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REFERENCE = .REF.
OPERATOR = rsg

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	19
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M-183 except posts and angles shall conform to AASHTO M-223, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-154.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with AASHTO M-11 and ASTM A-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for STEEL RAILING, TYPE T-1.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 74.08 Type B or place 1/2" fabric bearing pad between the post and concrete.

The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit or y.

For multi-span bridges, sufficient 1/2" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost incidental to Steel Railing.

CURB & RAIL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
6	4	#5	41'-6"	
7	2	#6	41'-4"	
Reinforcement Bars				Lbs. 380.
Class X Conc. Spacers				Cu. Yds. 7.7
Steel Railing Type T-1 Lin. Ft.				252.

TYPE T-1 STEEL RAILING
 S.B.I. ROUTE 25 SECTION 38BR1
 IROQUOIS COUNTY
 STATION 558+74

FOR INFORMATION ONLY

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

FAS 1324 (OLD US RTE 45)
 SECTION 38 BR-1
 IROQUOIS COUNTY

SCALE: VERT. DRAWN BY: SUTHEARD
 HORIZ. CHECKED BY: BOTT
 DATE: 11/16/05

GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 1001 N. WASHINGTON ST.
 SPRINGFIELD, ILLINOIS 62761
 PROFESSIONAL ENGINEER REG. NO. 0229
 PROFESSIONAL SURVEYOR REG. NO. 0229
 021711-0000 021711-0001 P.L.L.C. INC. - 021711-0000

COMPUTER FILE NO.
 03236.W010.EPLN
 PROJECT 05236 W010
 11/16/05 - MDS

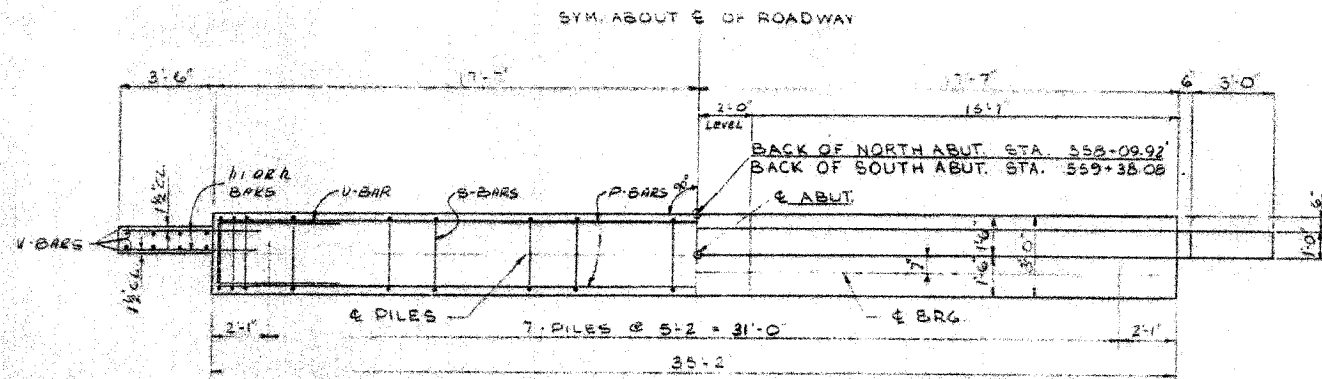
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 REFERENCE = REF.
 DEPARTMENT = Dept.

DESIGNED D. JONES 2-10-04
 CHECKED P.W.
 DRAIN PAINT WARDENSKY 2-10-04
 CHECKED D. JONES 2-20-04
 R-24A 12-31-04

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	20
STA. TO STA.		ILLINOIS FED. AID PROJECT		

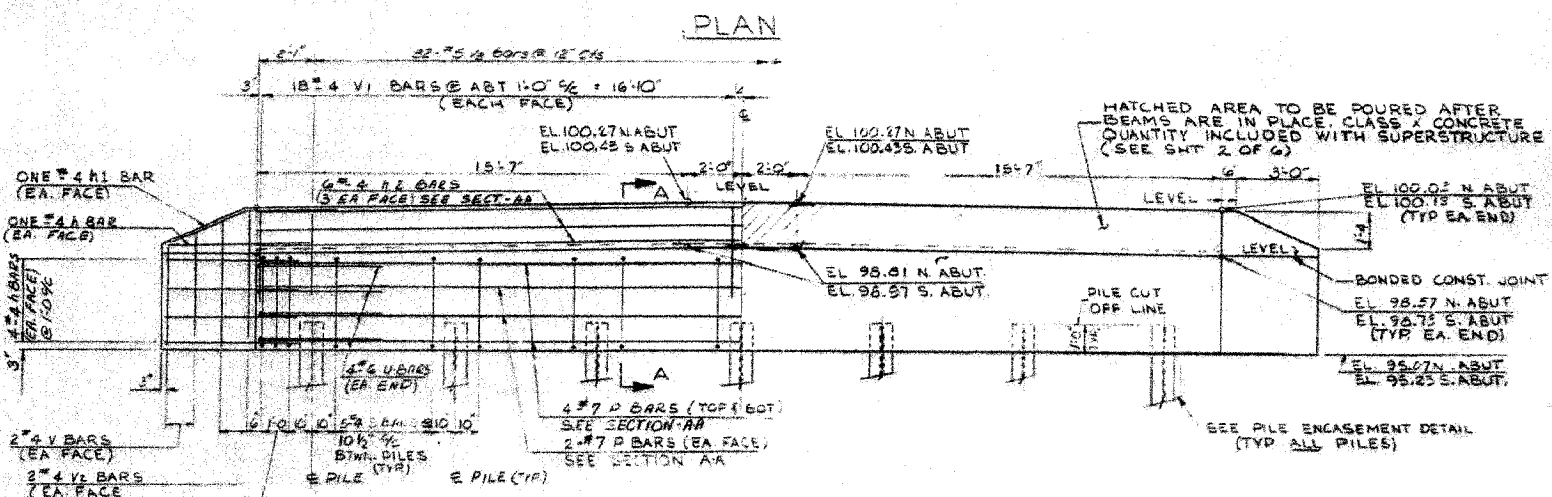
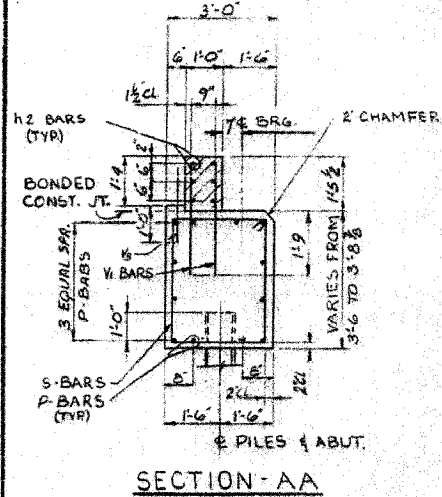
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	SHEET NO. 5
38BR1	IROQUOIS	22	19	6	SHEETS



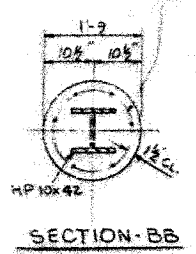
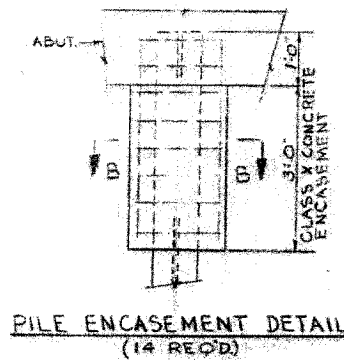
TWO ABUTMENTS
BILL OF MATERIAL

BAR	N	S	TOTAL	SIZE	LEN.	TH	SHAPE	
h	20	20	40	#4	2'-0			
n1	4	4	8	#4	5'-3			
n2	6	6	12	#4	34'-0			
P	12	12	24	#7	34'-10			
S	36	36	72	#4	12'-5	3		
U	8	8	16	#6	11'-7	C		
V	8	8	16	#4	3'-3			
V1	72	72	144	#4	3'-1			
V2	8	8	16	#4	4'-2			
V3	32	32	64	#2	2'-0			
CLASS X CONCRETE							CU YDS	30.6
REINFORCEMENT BARS							lbs	2540
STEEL PILES (HP10x42)							LN FT	462
TEST PILES (HP10x42)							EACH	1

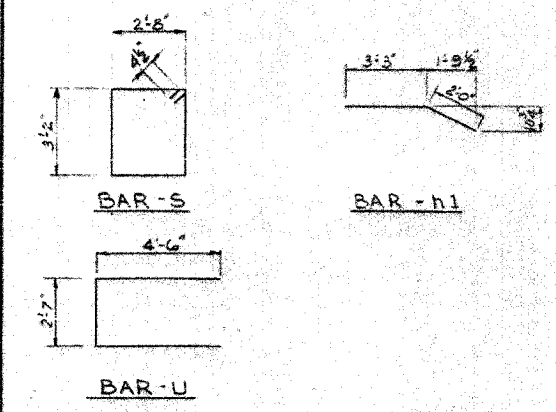


PILE DATA

NORTH ABUT		SOUTH ABUT	
TYPE:	HP 10x42	TYPE:	HP 10x42
CAPACITY:	30 TONS, DRIVEN TO 45 TONS BEARING	CAPACITY:	30 TONS, DRIVEN TO 45 TONS BEARING
EST. LENGTH:	36'-0	EST. LENGTH:	36'-0
NO. REQ'D:	6 PLUS ONE TEST PILE	NO. REQ'D:	7



WELDED WIRE FABRIC 6'-6" x 4'-0" x W4.0 WEIGHING 50#/100 SQ. FT. THE COST OF CLASS X CONCRETE ENCASEMENT AND REINFORCEMENT IS INCIDENTAL TO THE COST OF FURNISHING PILES. FORMS FOR ENCASEMENT MAY BE OMITTED WHEN SOIL CONDITIONS WILL PERMIT.



DESIGNED: D.J.
CHECKED: W.K.
DRAWN: P. WARONSKI
CHECKED: A.J.M.

NORTH AND SOUTH ABUTMENT
S B I ROUTE 25 SECTION 38BR 1
IROQUOIS COUNTY
STATION 558+74

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE PLANS
FAS 1324 (OLD US RTE 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. DRAWN BY: SUTHEARD
HORIZ. CHECKED BY: BOTT
DATE: 11/16/05

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER LICENSE NO. 0229
121-115-104, 121-115-107, 121-115-108, 121-115-109, 121-115-110, 121-115-111, 121-115-112, 121-115-113, 121-115-114, 121-115-115, 121-115-116, 121-115-117, 121-115-118, 121-115-119, 121-115-120, 121-115-121, 121-115-122, 121-115-123, 121-115-124, 121-115-125, 121-115-126, 121-115-127, 121-115-128, 121-115-129, 121-115-130, 121-115-131, 121-115-132, 121-115-133, 121-115-134, 121-115-135, 121-115-136, 121-115-137, 121-115-138, 121-115-139, 121-115-140, 121-115-141, 121-115-142, 121-115-143, 121-115-144, 121-115-145, 121-115-146, 121-115-147, 121-115-148, 121-115-149, 121-115-150, 121-115-151, 121-115-152, 121-115-153, 121-115-154, 121-115-155, 121-115-156, 121-115-157, 121-115-158, 121-115-159, 121-115-160, 121-115-161, 121-115-162, 121-115-163, 121-115-164, 121-115-165, 121-115-166, 121-115-167, 121-115-168, 121-115-169, 121-115-170, 121-115-171, 121-115-172, 121-115-173, 121-115-174, 121-115-175, 121-115-176, 121-115-177, 121-115-178, 121-115-179, 121-115-180, 121-115-181, 121-115-182, 121-115-183, 121-115-184, 121-115-185, 121-115-186, 121-115-187, 121-115-188, 121-115-189, 121-115-190, 121-115-191, 121-115-192, 121-115-193, 121-115-194, 121-115-195, 121-115-196, 121-115-197, 121-115-198, 121-115-199, 121-115-200

COMPUTER FILE NO.
03236.W010.EPLN
PROJECT 03236 W010
11/16/05 - MDS

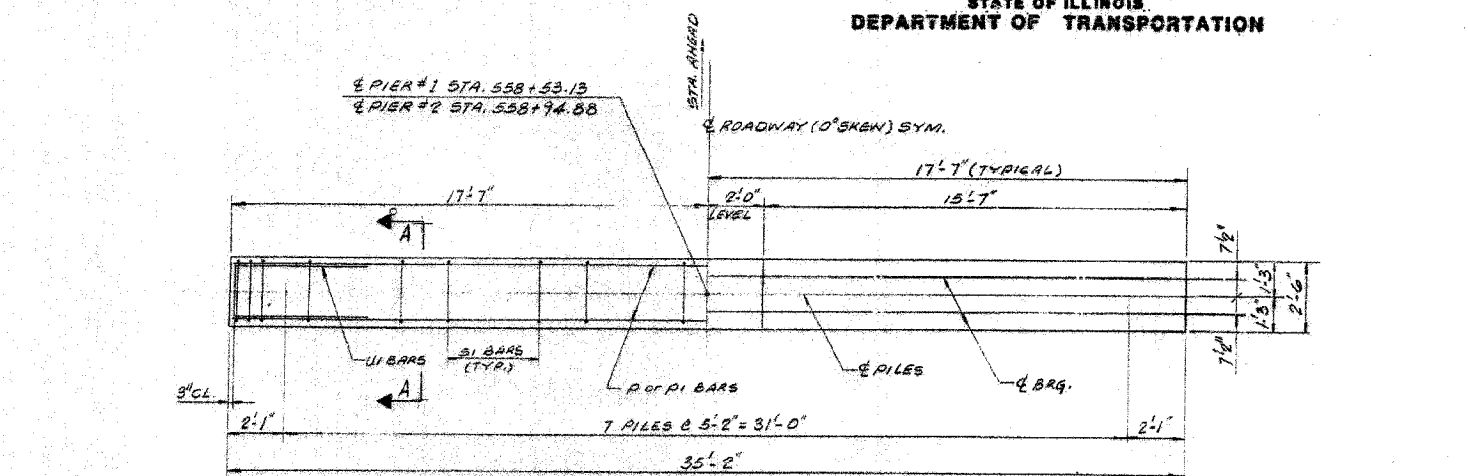
FOR INFORMATION ONLY

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 OPERATOR = PJP

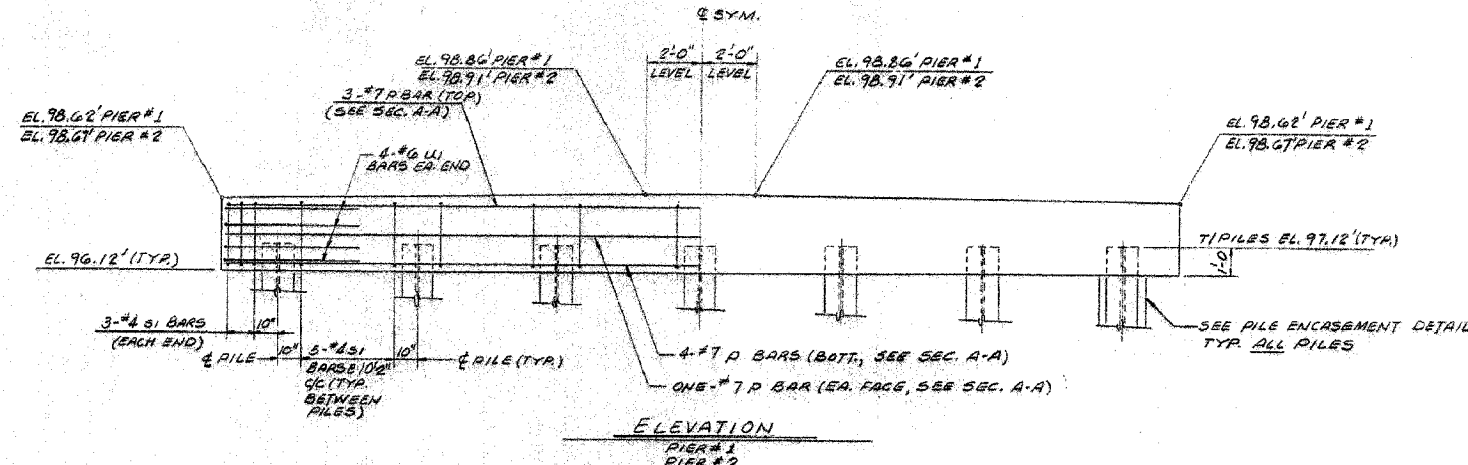
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

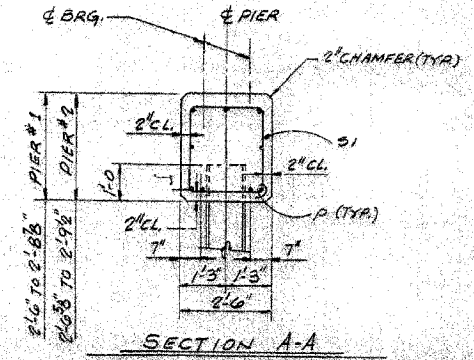
ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
38 BR-1	1324	IROQUOIS	22	20
SHEETS				



PLAN
PIER #1
PIER #2



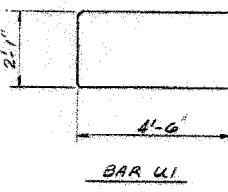
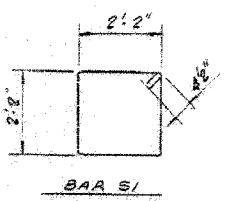
ELEVATION
PIER #1
PIER #2



SECTION A-A

PILE DATA

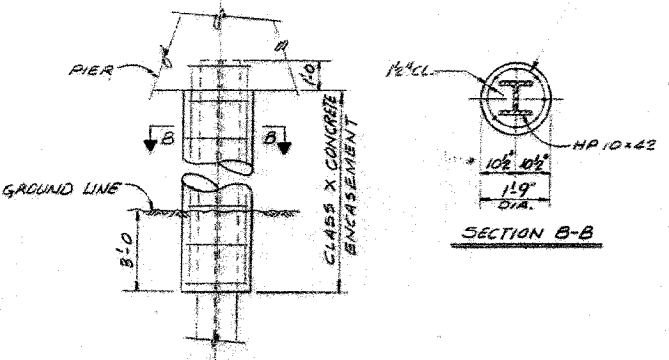
PIER #1	PIER #2
TYPE: HP 10 x 42	TYPE: HP 10 x 42
CAPACITY: 45 TONS, DRIVEN TO 68 TONS BRG.	CAPACITY: 45 TONS, DRIVEN TO 68 TONS BRG.
EST. LENGTH: 37 FT.	EST. LENGTH: 37 FT.
NO. REQD.: 7	NO. REQD.: 6 PLUS * ONE TEST PILE
	* Drive to 24 Ton Brg.



TWO PIERS
BILL OF MATERIAL

BAR	PIER #1	PIER #2	TOTAL	SIZE	LENGTH	SHAPE
P	9	9	18	#7	34'-10"	
SI	36	36	72	#2	9'-5"	
U1	8	8	16	#6	11'-1"	

TWO PIERS		TOTALS
CLASS X CONCRETE	CU. YDS.	17.2
REINFORCEMENT BARS	LBS.	2000
STEEL PILES (HP 10 x 42)	LIN. FT.	481
TEST PILE (HP 10 x 42)	EACH	1
CLASS X CONCRETE ENCASUREMENT	CU. YDS.	1.5



PILE ENCASUREMENT DETAIL
(14 REQD.)

PIER #1 AND PIER #2
S.B.I. ROUTE 25, SECTION 38 BR-1
IROQUOIS COUNTY
STATION 558+74

DESIGNED	DJ
CHECKED	WK
DRAWN	AJM
CHECKED	P.W.

PLOT DATE = 12/17/2005
 FILE NAME = J:\03236\MOID\DRAWINGS\03236_W010.EPLN.dgn
 PLOT SCALE = 1/8" = 1'-0"
 REFERENCE = REF.
 OPERATOR = PWP

FOR INFORMATION ONLY

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING BRIDGE PLANS

FAS 1324 (OLD US RTE 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. 1" = 10'
HORIZ. 1" = 20'
DATE: 11/16/05

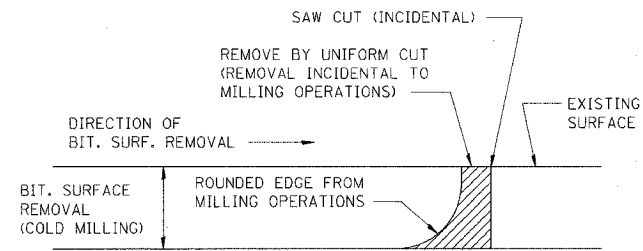
DRAWN BY: SUTHEARD
CHECKED BY: BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
03236_W010.EPLN

PROJECT 03236 W010
11/16/05 - MDS

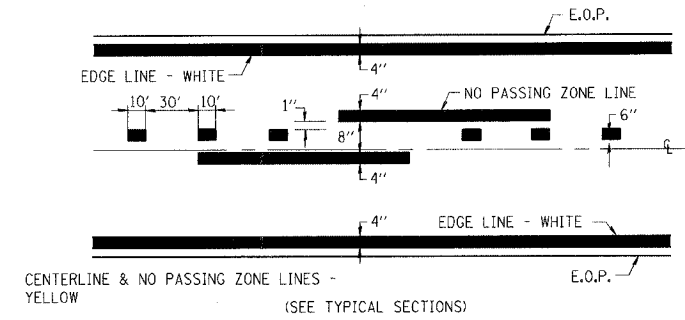
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

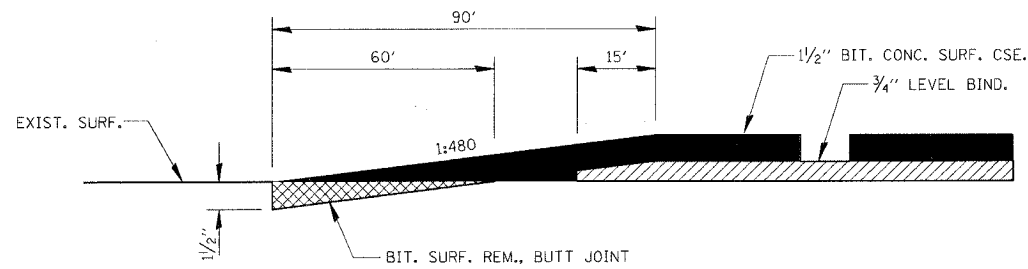
BITUMINOUS DETAIL AT BUTT JOINTS

406-8



PAVEMENT MARKING

780-8



406-9

PLOT DATE = 12/19/2005
 FILE NAME = J:\03236\010\DRAWINGS\03236_DET.dwg
 PLOT SCALE = 50.0000 / IN.
 REFERENCE = .REF.
 OPERATOR = psp

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS

FAS 1324 (OLD US RTE. 45)
SECTION 38 BR-1
IROQUOIS COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE 11/17/05

DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER
PROFESSIONAL SURVEYOR
PROFESSIONAL LAND SURVEYOR
PROFESSIONAL GEOTECHNICAL ENGINEER
1201 7th St., Springfield, IL 62761-1000
TEL: 217-789-1100 FAX: 217-789-1101

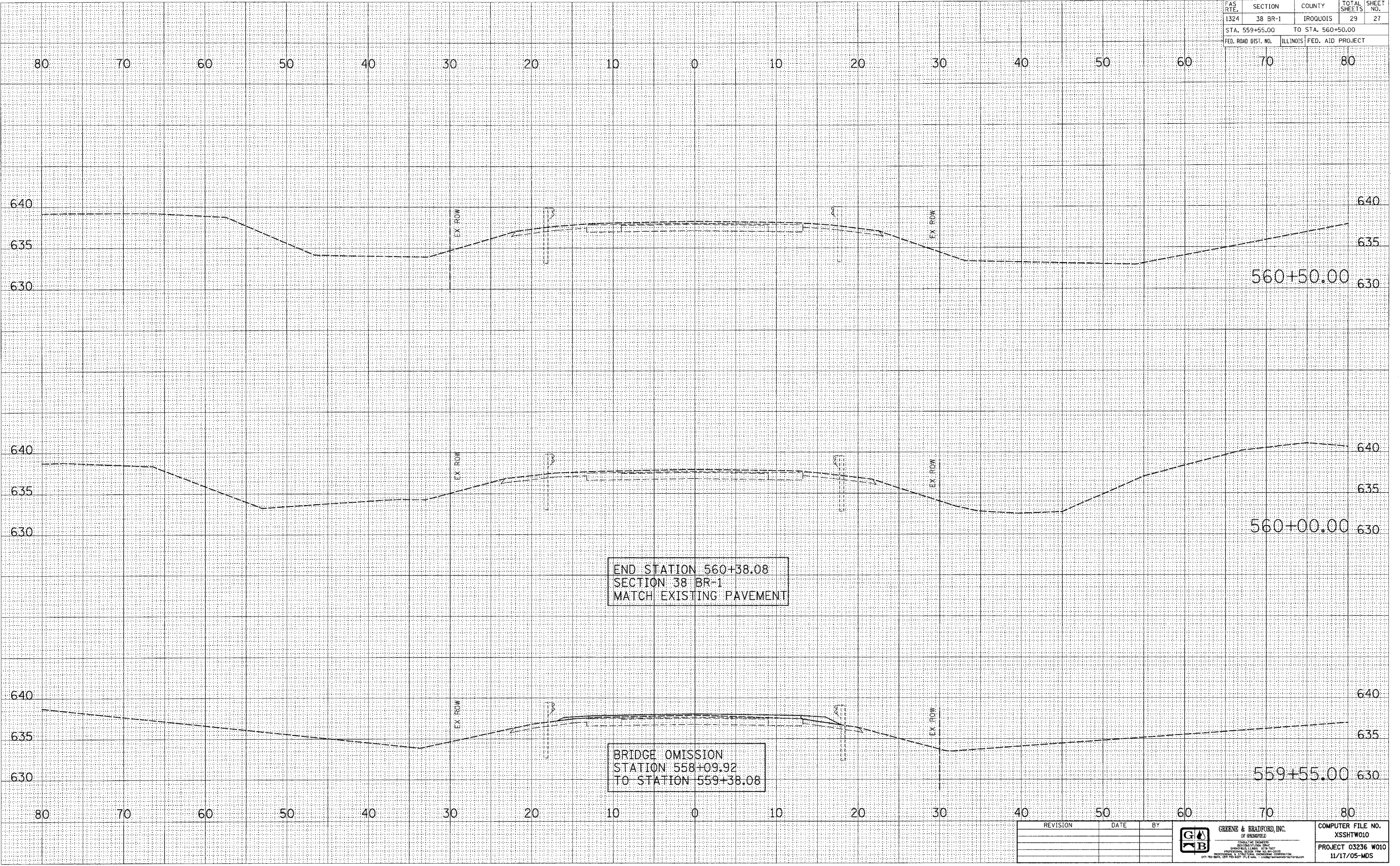
COMPUTER FILE NO.
03236_DET
PROJECT 03236 W010
11/17/05-MDS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	27
STA. 559+55.00		TO STA. 560+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	BY
TEMPERATURE	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPERATURE	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = 12/19/2005
 FILE NAME = J:\03236\4\03236\DRAWINGS\XSSH\W010.DWG
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 PLOTOR = PAB



REVISION	DATE	BY



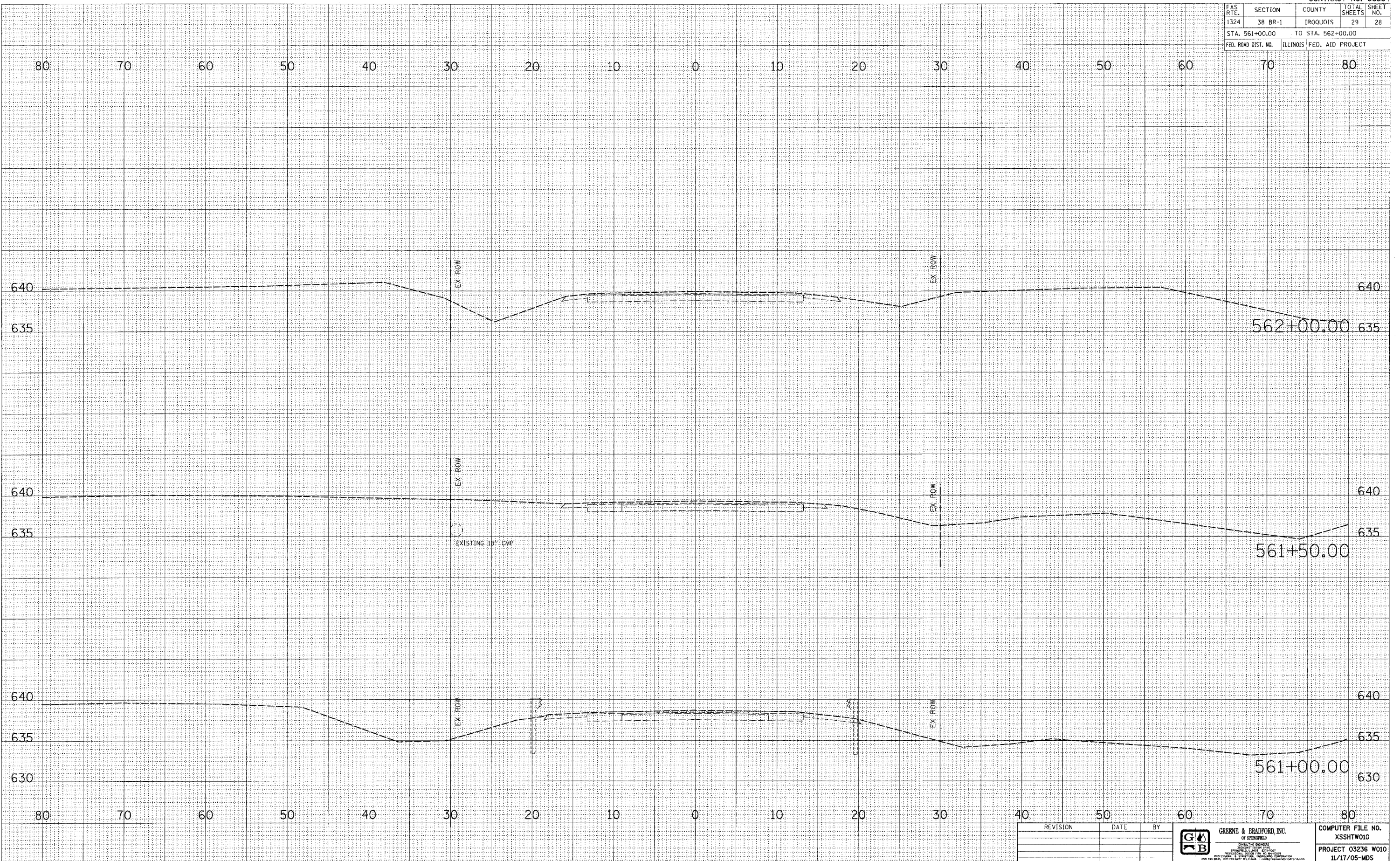
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PROJECT 03236 W010 11/17/05-MDS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	28
STA. 561+00.00		TO STA. 562+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE: _____
 BY: _____
 FINAL SURVEY _____
 SURVEY PLOTTED _____
 NOTE BOOK _____
 NO. _____
 AREAS CHECKED _____

DATE: _____
 BY: _____
 ORIGINAL SURVEY _____
 SURVEY PLOTTED _____
 NOTE BOOK _____
 NO. _____
 AREAS CHECKED _____

PLOT DATE = 12/9/2005
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REVISION	DATE	BY



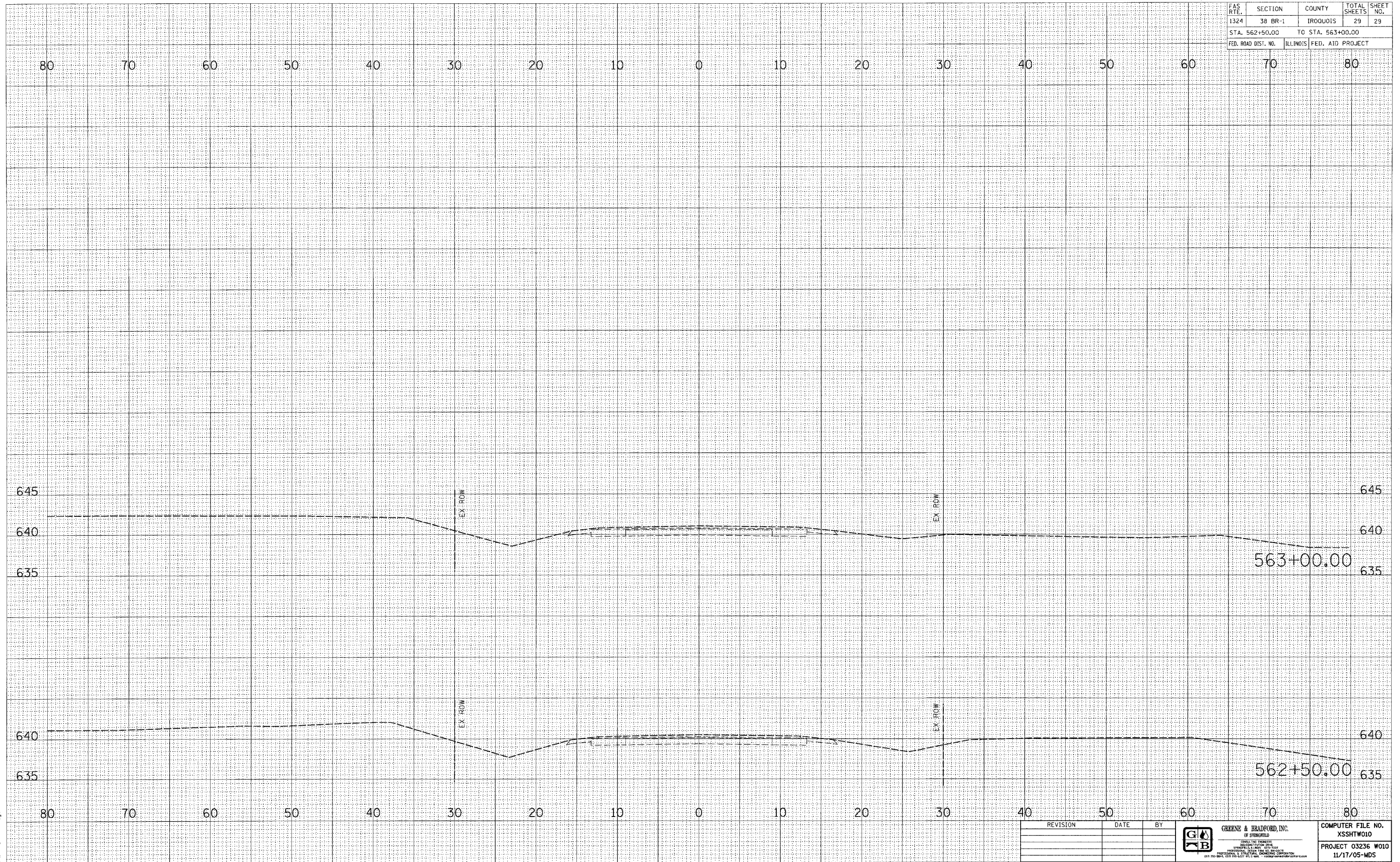
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 PROJECT 03236 W010
 11/17/05-MDS

FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38 BR-1	IROQUOIS	29	29
STA. 562+50.00		TO STA. 563+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
NO. _____	_____
BY _____	
REVIEWED _____	
NOTED _____	
APPROVE _____	
AREAS CHECKED _____	

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	
REVIEWED _____	
NOTED _____	
APPROVE _____	
AREAS CHECKED _____	

PLOT DATE = 12/19/2005
 PLOT SCALE = 5/8" = 1' / IN.
 REFERENCE = REF.
 OPERATOR = PJP



REVISION	DATE	BY



COMPUTER FILE NO. XSSTW010
PROJECT 03236 W010
11/17/05-MDS