

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	1

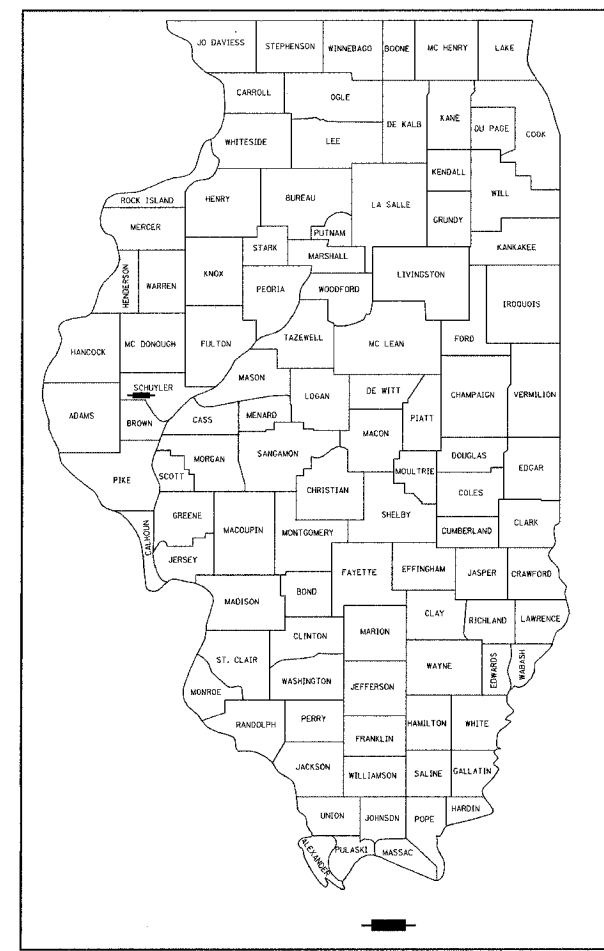
02-00067-00-BR

INDEX OF SHEETS
SHEET NO. DESCRIPTION

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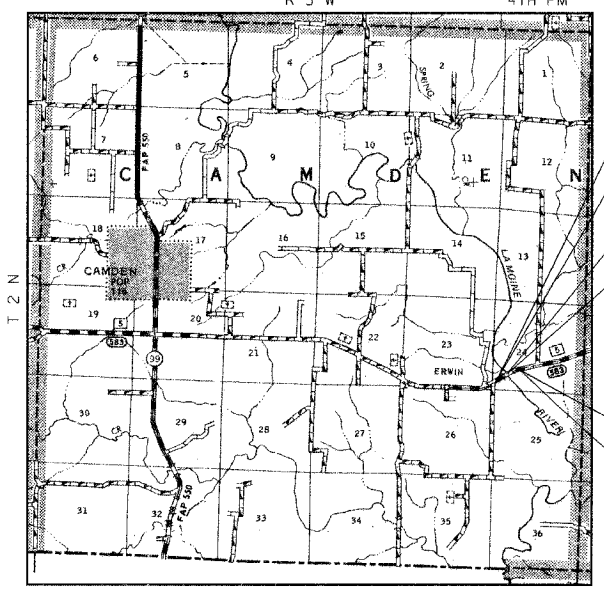
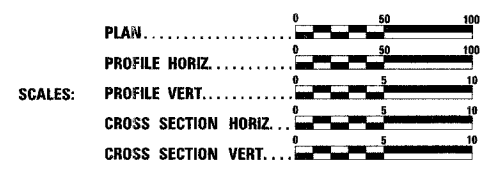
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
LOCAL AGENCY IMPROVEMENTS
MAJOR BRIDGE PROGRAM PROJECT

CH-5 (FAS ROUTE 583)
SECTION 02-00067-00-BR
PROJECT BRS-583(111)
SCHUYLER COUNTY
CAMDEN ROAD IMPROVEMENTS
JOB NUMBER C-96-209-05



STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420401-05	BRIDGE APPROACH PAVEMENT
482001	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-02	NAME PLATE FOR BRIDGE
601101	CONCRETE HEADWALL FOR PIPE DRAIN
630001-06	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631026-02	TRAFFIC BARRIER TERMINAL TYPE 5 & 5A
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
666001	RIGHT OF WAY MARKERS
701011-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS >= 45 MPH
701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-08	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
631011-02	TRAFFIC BARRIER TERMINAL TYPE 2

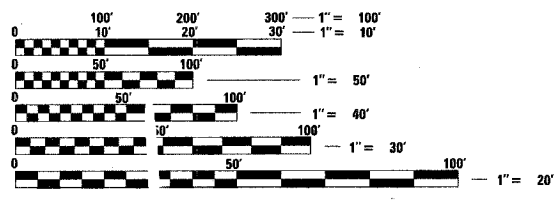


STA. 48+80.00
BEGIN IMPROVEMENTS
SECTION 02-00067-00-BR

EXISTING STRUCTURE NO. 085-3052:
NINE SPAN STEEL BEAM, 435'-2" BACK TO BACK ABUTMENTS
BY 24'-0" OUT TO OUT DECK.

PROPOSED STRUCTURE NO. 085-3054:
FIVE SPAN REINFORCED CONCRETE DECK COMPOSITE WITH
CONTINUOUS ROLLED STEEL BEAMS ON REINFORCED CONCRETE
ABUTMENTS, 455'-6" BACK TO BACK ABUTMENTS, 33'-2" OUT TO
OUT DECK, 30'-0" CLEAR ROADWAY WIDTH.

STA. 62+50.00
END IMPROVEMENTS
SECTION 02-00067-00-BR



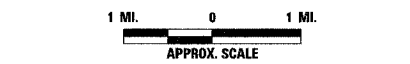
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALERS. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

UTILITIES

ADAMS ELECTRIC
AMERENCIPS
FRONTIER COMMUNICATIONS OF RUSHVILLE
PO BOX 347
RUSHVILLE, ILLINOIS
(217) 322-3388
CAMDEN-LITTLETON WATER COMMISSION
(309) 257-2324

LOCATION MAP



LENGTH OF PROJECT = 1370.00 FEET = 0.259 MILES
NET LENGTH OF PROJECT = 1370.00 FEET = 0.259 MILES

DESIGN DESIGNATION - CLASS III ROADWAY

COLLECTOR HIGHWAY ADT = 1100 (2005) 1350 (2025)
3R GUIDELINES

APPROVED 7-13 2006
David L. Schneider
COUNTY ENGINEER

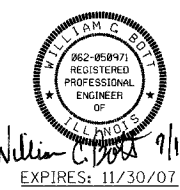
PASSED 8-25 2006
Tommy J. L.
DISTRICT SIX ENGINEER OF
LOCAL ROADS & STREETS

PASSED 8-25 2006
Chris Plakow
DISTRICT SIX ENGINEER OF
CONSTRUCTION

Releasing For
Bid Based on
Limited Review 8-25 2006
Christine M Reed
DEPUTY DIRECTOR OF HIGHWAYS,
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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



REVISIONS	
NAME	DATE

COMPUTER FILE NO.
02157COV
PROJECT 02157
6/30/06-MDS

PLOT DATE = 7/13/2006
 PLOT SCALE = 50.0000 / IN.
 REFERENCE = 999999
 OPERATOR = gmgj

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	
**** SECTION 02-00067-00-BR				
** BRS-5831111				

PAY CODE NUMBER	DESCRIPTION	UNIT	TOTAL	CONSTRUCTION TYPE CODE	
				ROADWAY 1000	BRIDGE X071-2A
20100500	TREE REMOVAL, ACRES	ACRE	0.8	0.8	
20200100	EARTH EXCAVATION	CU YD	50	50	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	44	44	
20400800	FURNISHED EXCAVATION	CU YD	1991	1991	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	160		160
20700300	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	2200	2200	
25000300	SEEDING, CLASS 3	ACRE	4.4	4.4	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	396	396	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	396	396	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	396	396	
25100115	MULCH, METHOD 2	ACRE	4.4	4.4	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1305	1305	
28000400	PERIMETER EROSION BARRIER	FOOT	2900	2900	
28100109	STONE RIPRAP, CLASS A5	SQ YD	550		550
28200200	FILTER FABRIC	SQ YD	550		550
35100100	AGGREGATE BASE COURSE, TYPE A	TON	730	730	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	320	320	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1375	1375	
40600300	AGGREGATE (PRIME COAT)	TON	12	12	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	290	290	
40600990	TEMPORARY RAMP	SQ YD	52	52	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	160	160	
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	210	210	
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	289	289	
44000100	PAVEMENT REMOVAL	SQ YD	277	277	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	290	290	
48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ YD	764	764	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50200100	STRUCTURE EXCAVATION	CU YD	176		176
50300100	FLOOR DRAINS	EACH	56		56
50300225	CONCRETE STRUCTURES	CU YD	218.7		218.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	496.0		496.0
50300260	BRIDGE DECK GROOVING	SQ YD	1412		1412
50300300	PROTECTIVE COAT	SQ YD	1900		1900
50300320	ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	12		12
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50500505	STUD SHEAR CONNECTORS	EACH	4572		4572
50800205	REINFORCEMENT BARS EPOXY COATED	POUND	128,780		128,780
51201000	FURNISHING METAL PILE SHELLS 12"	FOOT	3510		3510
51202600	DRIVING AND FILLING SHELLS	FOOT	3510		3510
51203200	TEST PILE METAL SHELLS	EACH	4		4
51205200	TEMPORARY SHEET PILING	SQ FT	1665		1665
51500100	NAME PLATES	EACH	1		1
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	37.5	37.5	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4		4
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED)	EACH	6	6	

PAY CODE NUMBER	DESCRIPTION	UNIT	TOTAL	CONSTRUCTION TYPE CODE	
				ROADWAY 1000	BRIDGE X071-2A
63200310	GUARDRAIL REMOVAL	FOOT	125	125	
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	875	875	
63302500	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2	2	
63304385	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	7	7	
63304705	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 5A	EACH	4	4	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	9	9	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18	
67100100	MOBILIZATION	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	324	324	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	5480	5480	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2390	2390	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1512.5	1512.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1512.5	1512.5	
78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	5480	5480	
78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16	
78200520	BARRIER WALL MARKERS, TYPE B	EACH	10	10	
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6	
78300105	PAVEMENT MARKING REMOVAL	FOOT	320	320	
X3560130	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 9 INCH	SQ YD	227	227	
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	180	180	
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	376	376	
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1		1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1		1
XX004949	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE	TON	50	50	
Z0002600	BAR SPLICERS	EACH	1436		1436
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0064000	SCARIFYING AND REGRADING EXISTING ASPHALT SURFACE	SQ YD	1513	1513	
Z0076600	TRAINEES	HOUR	1000	1000	

*SPECIAL PROVISION
* Y080
Δ SPECIALTY ITEMS

PLOT DATE = 9/25/2006
FILE NAME = J:\A\2157\DRAWINGS\02157SUM.dgn
PLOT SCALE = 50.0000 / 1 IN.
OPERATOR =

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. DRAWN BY SUTHEARD
 HORIZ. CHECKED BY BOIT
DATE 5/13/06

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER NO. 02157-SUM
9/22/06-MDS

COMPUTER FILE NO.
02157SUM
PROJECT 02157
9/22/06-MDS

SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT **	

**** SECTION 02-00067-00-BR
** BRS-583(111)

GENERAL NOTES

- WHEN SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED. THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- SEE SPECIAL PROVISIONS FOR SEEDING RATES.
- ALL PLAN ELEVATIONS REPRESENT USGS DATUM.
- THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES. EXCEPTIONS SHALL BE SHOWN ON THE PLANS.
- EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE ϕ OF PAVEMENT (PROFILE GRADE).
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE BY HIS OPERATIONS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU.YD.
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL./SQ.YD. OR .375 GAL./SQ.YD.
AGGREGATE (PRIME COAT)	0.002	TONS/SQ.YD.
BITUMINOUS CONCRETE SURFACE AND BINDER COURSE	112.0	LBS./SQ.YD./INCH
SHORT TERM PAVEMENT MARKINGS	10.0	FT./100FT. OF APPLICATION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS.
- ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE INCLUDED IN THE COST OF THE ITEM REMOVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1.5 INCHES UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH THE CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RIGHT OF WAY MARKERS SHALL BE INSTALLED AS A FIRST ITEM OF CONSTRUCTION ON THIS CONTRACT.
- ALL CHANNEL EXCAVATION IS ASSUMED TO BE UNSUITABLE FOR USE IN ROADWAY EMBANKMENT.

PLOT DATE : 5/23/06
FILE NAME : 0517157
SCALE : 1"=40'
OPERATOR : MDS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. DATE 5/17/06
HORIZ. DATE 5/17/06
DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
1000 N. WASHINGTON ST., SUITE 100
SPRINGFIELD, ILL. 62761
PROFESSIONAL ENGINEER REG. NO. 00177
PROFESSIONAL SURVEYOR REG. NO. 00177
1211 702-8644, 1207 789-1027 FAX 789-1027

COMPUTER FILE NO. 02157GEN
PROJECT 02157
5/23/06-MDS

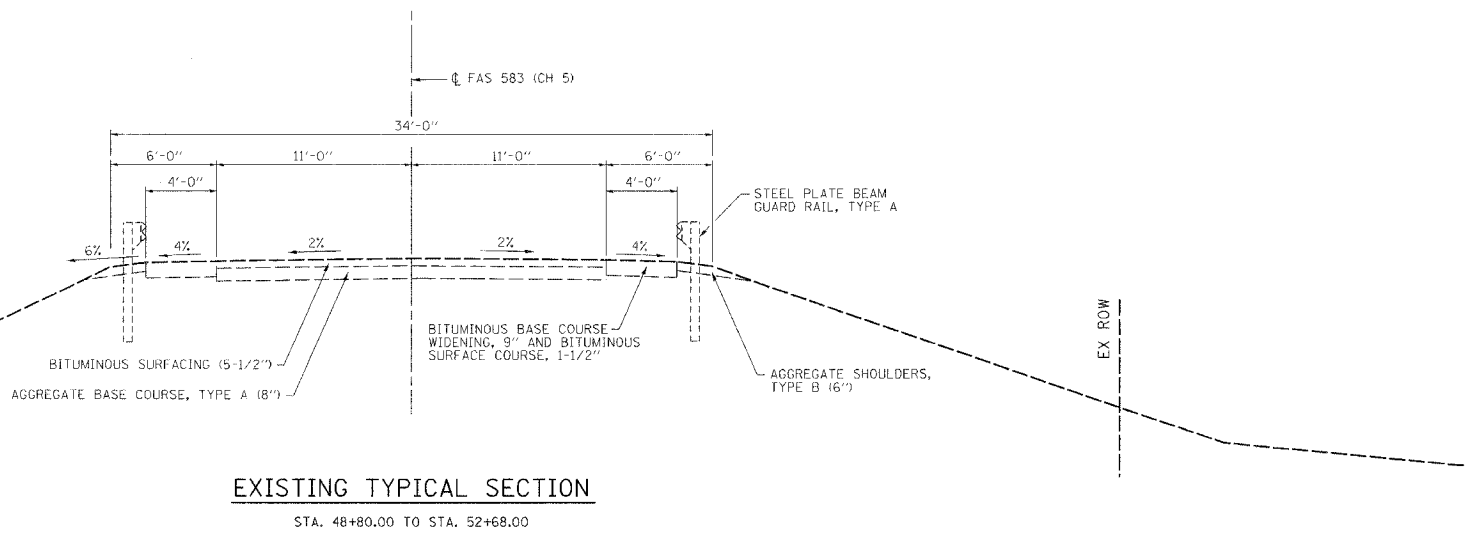
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		
**** SECTION 02-00067-00-BR				
** BRS-583(111)				

PAVEMENT DESIGN DATA

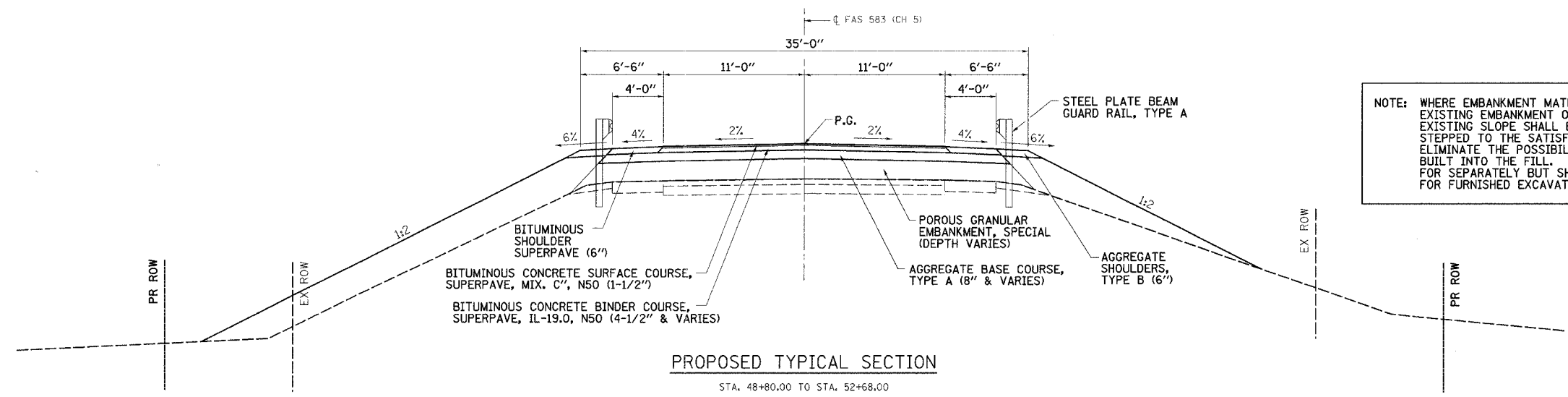
CLASS III ROADWAY (80,000 LB)
 DESIGN PERIOD : 15 YEARS
 STRUCTURAL DESIGN TRAFFIC (SDT):
 YEAR = 2017
 PV = 975
 SU = 78
 MU = 56
 TRAFFIC FACTOR (TF) = 0.2263
 MINIMUM SOIL SUPPORT : $E_{R1} = 3$

PAVEMENT PROVIDED:
 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50
 4 1/2" BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50
 8" AGGREGATE BASE COURSE, TYPE A

ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
BINDER, SUPERPAVE	IL-19.0	PG 64 -22	15%	4.0% @ N50
SURFACE, SUPERPAVE	IL-9.5 or 12.5 Mix "C"	PG 64 -22	15%	4.0% @ N50
SHOULDER, SUPERPAVE	BAM	PG 58 -22	15%	2.0% @ N30

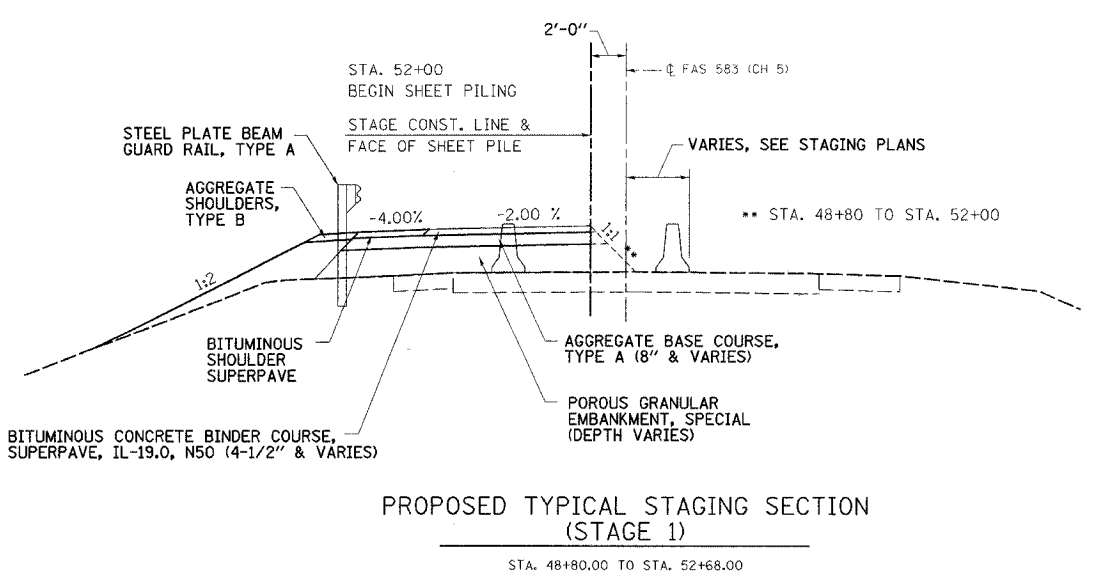


EXISTING TYPICAL SECTION
 STA. 48+80.00 TO STA. 52+68.00

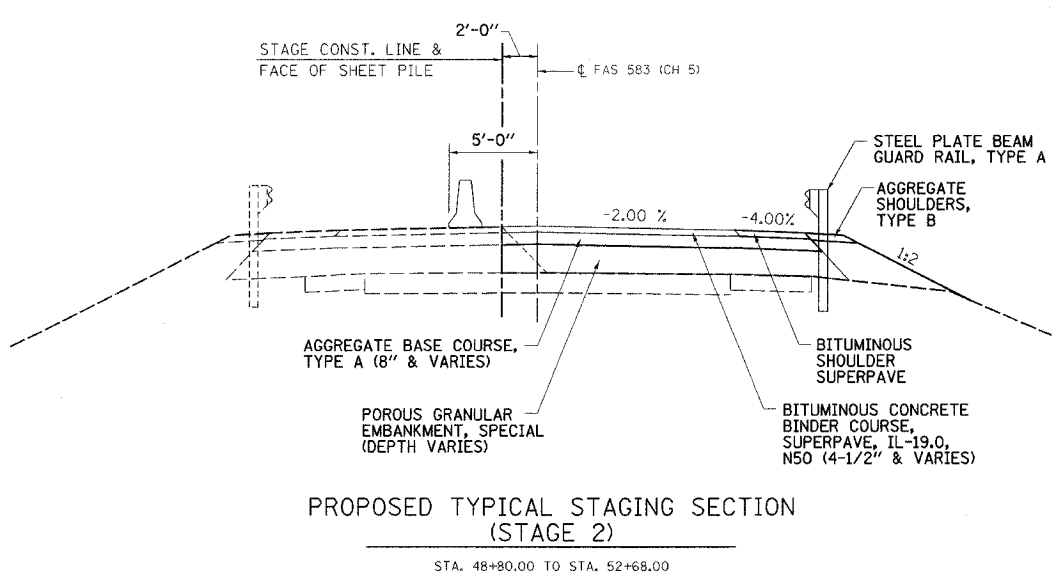


PROPOSED TYPICAL SECTION
 STA. 48+80.00 TO STA. 52+68.00

NOTE: WHERE EMBANKMENT MATERIAL IS BEING PLACED ON THE EXISTING EMBANKMENT OR OTHER SLOPED SURFACE, THE EXISTING SLOPE SHALL BE DEEPLY PLOWED, BENCHED OR STEPPED TO THE SATISFACTION OF THE ENGINEER TO ELIMINATE THE POSSIBILITY OF A SHEAR PLANE BEING BUILT INTO THE FILL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR FURNISHED EXCAVATION.



PROPOSED TYPICAL STAGING SECTION (STAGE 1)
 STA. 48+80.00 TO STA. 52+68.00



PROPOSED TYPICAL STAGING SECTION (STAGE 2)
 STA. 48+80.00 TO STA. 52+68.00

PLOT DATE = 8/04/06
 FILE NAME = 02157TYP
 OPERATOR = MDS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 FAS 583 (CH 5) OVER LAMOINE RIVER
 SEC. 02-00067-00-BR
 SCHUYLER COUNTY

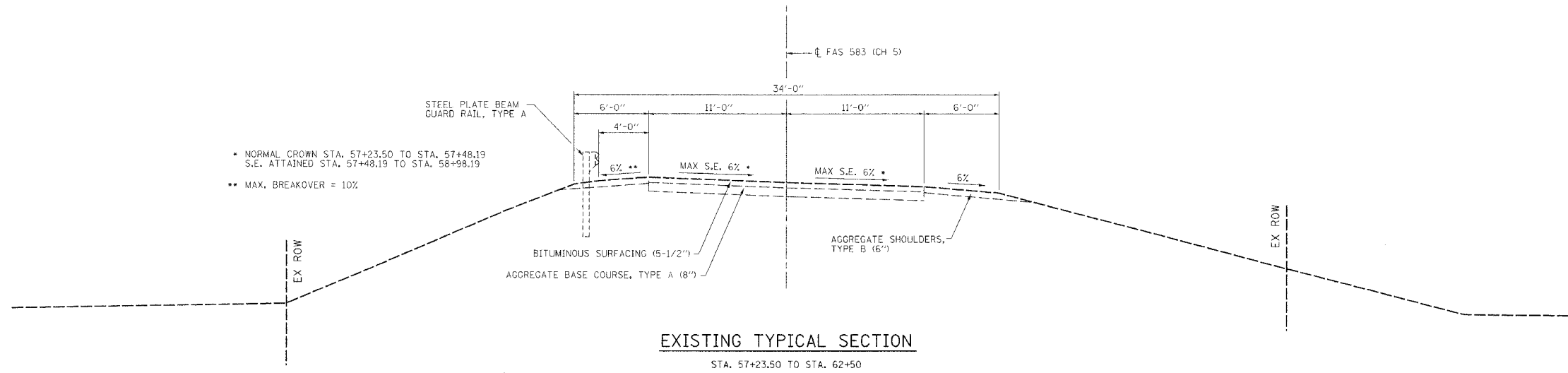
SCALE: VERT. _____
 HORIZ. _____
 DATE 5/05/06

DRAWN BY SUTHEARD
 CHECKED BY BOTT

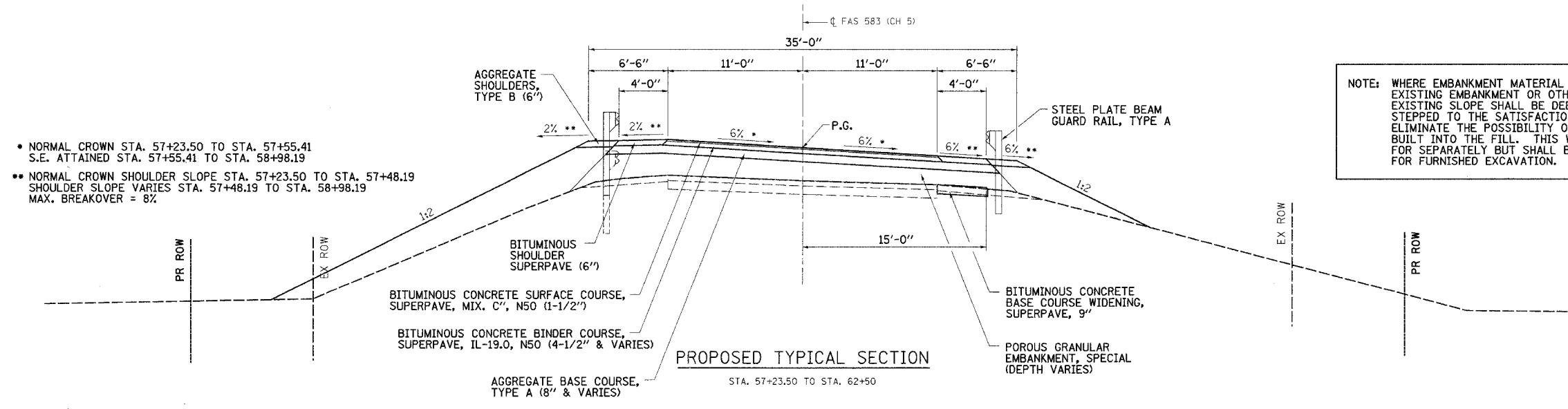
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

COMPUTER FILE NO. 02157TYP
 PROJECT 02157
 8/04/06 - MDS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	5
STA. TO STA.		ILLINOIS FED. AID PROJECT **		
FED. ROAD DIST. NO.		** SECTION 02-00067-00-BR		
		** BRS-583(111)		

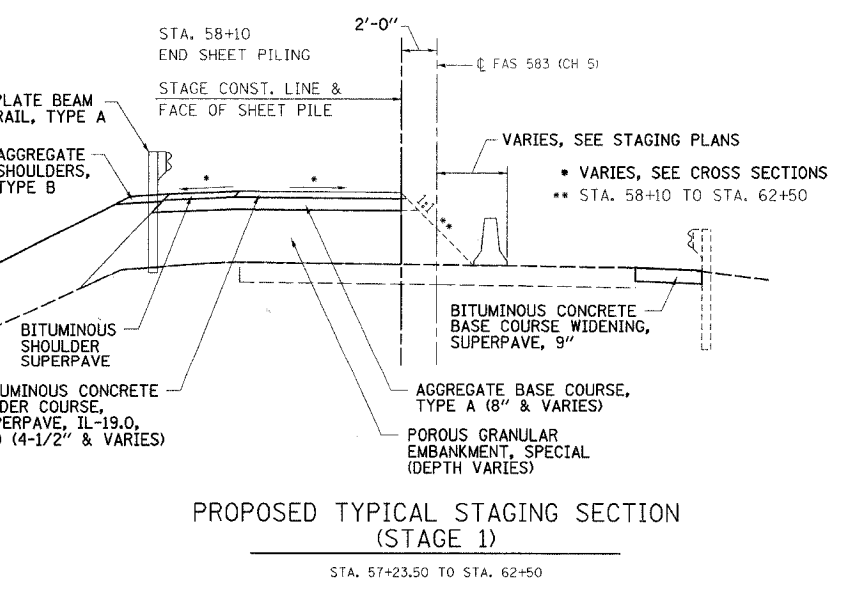


EXISTING TYPICAL SECTION
STA. 57+23.50 TO STA. 62+50

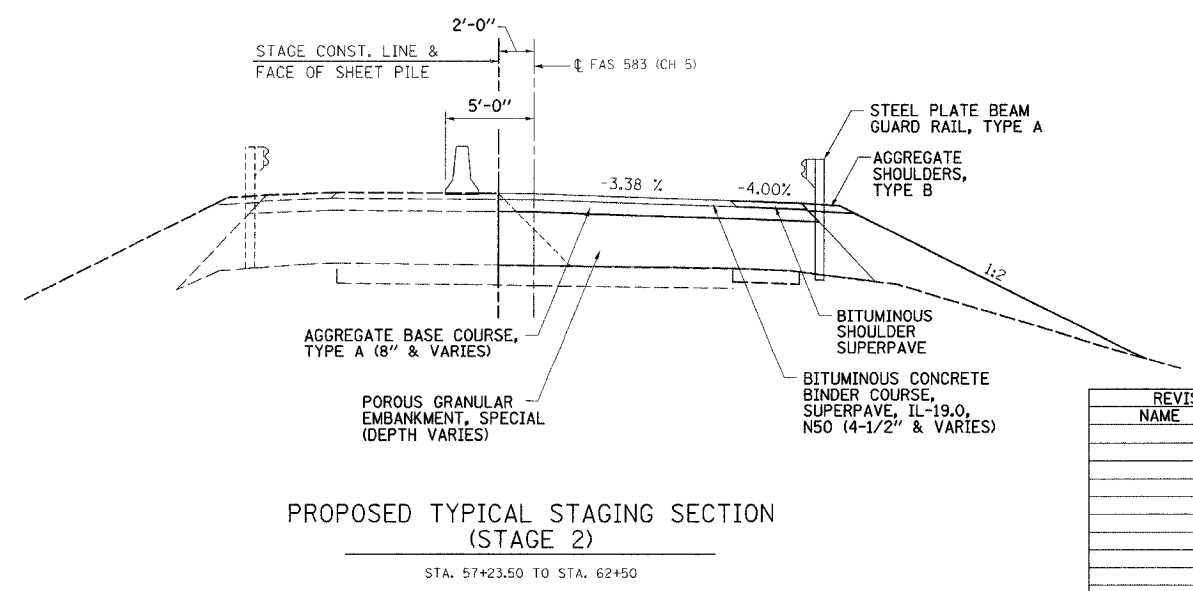


PROPOSED TYPICAL SECTION
STA. 57+23.50 TO STA. 62+50

NOTE: WHERE EMBANKMENT MATERIAL IS BEING PLACED ON THE EXISTING EMBANKMENT OR OTHER SLOPED SURFACE, THE EXISTING SLOPE SHALL BE DEEPLY PLOWED, BENCHED OR STEPPED TO THE SATISFACTION OF THE ENGINEER TO ELIMINATE THE POSSIBILITY OF A SHEAR PLANE BEING BUILT INTO THE FILL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR FURNISHED EXCAVATION.



PROPOSED TYPICAL STAGING SECTION (STAGE 1)
STA. 57+23.50 TO STA. 62+50



PROPOSED TYPICAL STAGING SECTION (STAGE 2)
STA. 57+23.50 TO STA. 62+50

PLOT DATE = 5/04/06
FILE NAME = 02157TYP
DRAWN BY = SUTHEARD
CHECKED BY = BOTT
OPERATOR = MJS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAS 583 (CH 5) OVER LAMOINE RIVER
SEC. 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE 5/05/06

DRAWN BY SUTHEARD
CHECKED BY BOTT

COMPUTER FILE NO. 02157TYP
PROJECT 02157
8/04/06 - MDS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL DESIGN FIRM NO. 001-000000
ILLINOIS PROFESSIONAL ENGINEERING BOARD
021 782 8844, 217 784 8277 FAX 217 784 8844

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	***	SCHUYLER	56	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*** SECTION 02-00067-00-BR ** BR5-583(111)				

GUARD RAIL SCHEDULE

LOCATION	63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A (FOOT)	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	63100169 TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED) (EACH)	78201000 TERMINAL MARKER - DIRECT APPLIED (EACH)	63200310 GUARDRAIL REMOVAL (FOOT)	63301210 REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A (FOOT)	63302500 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 5A (EACH)	63304385 TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1 (EACH)	63304705 TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 5A (EACH)
STA. 48+72.00 LT TO STA. 48+84.50 LT								1		
STA. 48+84.50 LT TO STA. 50+84.50 LT (FROM STA. 48+84.50 LT TO STA. 50+84.50 LT)						200				
STA. 50+64.50 RT TO STA. 50+89.50 RT						25				
STA. 48+89.50 RT TO STA. 49+02.00 RT								1		
STA. 49+02.00 RT TO STA. 50+64.50 RT (FROM STA. 49+02 RT TO STA. 50+64.50 RT)							162.5			
STA. 50+84.50 LT TO STA. 51+09.50 LT						25				
STA. 50+64.50 RT TO STA. 51+14.50 RT				1	1					
STA. 50+84.50 LT TO STA. 51+34.50 LT				1	1					
STA. 50+89.50 RT TO STA. 51+14.50 RT								1		
STA. 51+09.50 LT TO STA. 51+34.50 LT								1		
STA. 51+78, 48' LT TO STA. 51+80, 36' LT		1								
STA. 51+80, 36' LT TO STA. 52+08.20, 15' LT	37.5									
STA. 51+91.50 RT TO STA. 52+41.50 RT				1	1					
STA. 52+03.50 LT TO STA. 52+28.50 LT								1		
STA. 52+03.50 RT TO STA. 52+28.50 RT								1		
STA. 52+08.2 LT TO STA. 52+33.2 LT (FROM STA. 52+41 LT TO STA. 52+66 LT)							25			
STA. 52+28.50 LT TO STA. 52+41.00 LT						12.5				
STA. 52+28.50 RT TO STA. 52+66.00 RT						37.5				
STA. 52+33.20 LT TO STA. 52+66.35 LT			1							
STA. 52+41.50 RT TO STA. 52+74.65 RT			1							
STA. 52+66.00 LT TO STA. 52+78.50 LT										1
STA. 52+66.00 RT TO STA. 52+78.50 RT										1
STA. 57+13.00 LT TO STA. 57+25.50 LT										1
STA. 57+13.00 RT TO STA. 57+25.50 RT										1
STA. 57+16.85 LT TO STA. 57+50.00 LT			1							
STA. 57+25.15 RT TO STA. 57+58.30 RT			1							
STA. 57+58.30 RT TO STA. 59+08.30 RT (FROM STA. 58+75.5 LT TO STA. 59+25.5 LT AND FROM STA. 57+25.5 RT TO STA. 58+25.5 RT)							150			
STA. 57+25.50 LT TO STA. 58+25.50 LT (FROM STA. 57+25.5 LT TO STA. 58+75.5 LT)							150			
STA. 58+25.50 RT TO STA. 58+50.50 RT									1	
STA. 59+00.00 LT TO STA. 59+50.00 LT				1	1					
STA. 59+08.30 RT TO STA. 59+58.30 RT				1	1					
STA. 59+25.50 LT TO STA. 59+50.50 LT									1	
STA. 60+15.00 LT TO STA. 60+40.00 LT									1	
STA. 60+15.00 RT TO STA. 60+65.00 LT				1	1					
STA. 60+40.00 LT TO STA. 60+65.00 LT						25				
STA. 60+65.00 LT TO STA. 62+52.5 LT (FROM STA. 60+65 LT TO STA. 62+52.5 LT)							187.5			
TOTALS	37.5	1	4	6	6	125	875	2	7	4

EARTHWORK SCHEDULE

LOCATION	20200100 EARTH EXCAVATION (CU YD)	20200500 EARTH EXCAVATION (WIDENING) (CU YD)	20400800 FURNISHED EXCAVATION (CU YD)	207003 POROUS GRANULAR EMBANKMENT (SPECIAL) (TON)
STA. 48+80 TO STA. 52+68	11		725	580
STA. 57+23.50 TO STA. 62+50	39	44	1266	1620
TOTALS	50	44	1991	2200

PAVEMENT REMOVAL SCHEDULE

LOCATION	40600980 BITUMINOUS SURFACE REMOVAL - BUTT JOINT (SQ YD)	44000030 BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) (SQ YD)	44000100 PAVEMENT REMOVAL (SQ YD)	Z0064000 SCARIFYING & REGRAVING EXISTING ASPHALT SURFACE (SQ YD)
STA. 48+80 TO STA. 49+30	167			
STA. 49+30 TO STA. 49+65		117		
STA. 50+21 TO STA. 52+28				813
STA. 52+28 TO STA. 52+78.69			143	
STA. 57+13.26 TO STA. 57+63			122	
STA. 57+63 TO STA. 58+13			12	
STA. 57+63 TO STA. 60+49				700
STA. 61+30 TO STA. 62+00		172		
STA. 62+00 TO STA. 62+50	123			
TOTALS	290	289	277	1513

TREE REMOVAL SCHEDULE

LOCATION	20100500 TREE REMOVAL (ACRES)
STA. 52+29 LT TO STA. 52+78 LT	0.10
STA. 53+62 RT TO STA. 54+95 RT	0.13
STA. 55+37 RT TO STA. 58+24 RT	0.31
STA. 55+62 LT TO STA. 59+42 LT	0.24
TOTALS	0.78

EROSION CONTROL SCHEDULE

LOCATION	28000250 TEMPORARY EROSION CONTROL SEEDING (POUND)	28000400 PERIMETER EROSION BARRIER (FOOT)
STA. 48+57 LT TO STA. 54+54 LT	438	
STA. 48+90 RT TO STA. 54+76 RT	291	
STA. 55+16 LT TO STA. 62+50 LT	321	
STA. 55+37 RT TO STA. 62+50 RT	255	
STA. 48+70, 39' LT TO STA. 53+03, 79' LT		705
STA. 48+90, 39' RT TO STA. 53+45, 79' RT		580
STA. 53+03, 79' LT TO STA. 53+45, 79' RT		165
STA. 56+46, 79' LT TO STA. 59+32, 153' LT		367
STA. 56+46, 79' RT TO STA. 56+89, 79' RT		165
STA. 56+89, 79' RT TO STA. 62+50, 39' RT		551
STA. 59+68, 153' LT TO STA. 62+50, 39' LT		367
TOTALS	1305	2900

RIGHT OF WAY MARKER SCHEDULE

LOCATION	66600105 FURNISHING & ERECTING RIGHT OF WAY MARKERS (EACH)
STA. 49+50, 40' LT	1
STA. 49+50, 40' RT	1
STA. 50+00, 50' LT	1
STA. 50+00, 50' RT	1
STA. 58+48.19, 50' LT	1
STA. 58+48.19, 50' RT	1
STA. 60+00, 50' LT	1
STA. 60+31.48, 40' RT	1
STA. 60+50, 40' LT	1
TOTALS	9

REFLECTIVE MARKER SCHEDULE

LOCATION	78200410 GUARDRAIL MARKERS, TYPE A (EACH)	78200520 BARRIER WALL MARKERS, TYPE B (EACH)
STA. 49+32 LT TO STA. 50+92 LT, 80' CTRS	3	
STA. 49+40 RT TO STA. 50+20 RT, 80' CTRS	2	
STA. 52+52 LT	1	
STA. 52+60 RT	1	
STA. 53+32 LT TO STA. 56+52 LT, 80' CTRS		5
STA. 53+40 RT TO STA. 56+60 RT, 80' CTRS		5
STA. 57+32 LT TO STA. 58+92 LT, 80' CTRS	3	
STA. 57+40 RT TO STA. 59+00 RT, 80' CTRS	3	
STA. 60+65 LT TO STA. 62+25 LT, 80' CTRS	3	
TOTALS	16	10

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE 5/13/06

DRAWN BY SUTHEARD
CHECKED BY BOTT

COMPUTER FILE NO.
02157SCH
PROJECT 02157
5/23/06-MDS

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1201 181 84AL 520 784 827 91, E. 4th St.
PROFESSIONAL ENGINEER REG. NO. 042-0028
PROFESSIONAL LAND SURVEYOR REG. NO. 042-0028
PROFESSIONAL ARCHITECT REG. NO. 042-0028

PLOT DATE = 5/24/06
FILE NAME = 02157SCH
SCALE = 1"=40'
REFERENCE = BR5-583
OPERATOR = MJS

SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT **	
**** SECTION 02-00067-00-BR				
** BRS-583(111)				

PAVEMENT SCHEDULE											
LOCATION	35100100 AGGREGATE BASE COURSE, TYPE A (TON)	35101400 AGGREGATE BASE COURSE, TYPE B (TON)	40600100 BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	40600300 AGGREGATE (PRIME COAT) (TON)	40600990 TEMPORARY RAMP (SQ YD)	40800010 BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	42001400 BRIDGE APPROACH PAVEMENT (SPECIAL) (SQ YD)	X3560130 BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 9 INCH (SQ YD)	X4066414 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (TON)	X4066614 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50 (TON)	XX004949 INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE (TON)
STA. 48+80 TO STA. 48+85					13						
STA. 48+80 TO STA. 52+38.86			576	5					75		
STA. 49+64 TO STA. 52+38.86										159	
STA. 50+21 TO STA. 50+93	60										
STA. 50+93 TO STA. 52+38.86	235										
STA. 51+46 RT, F.E.											23
STA. 51+84 LT, F.E.											13
STA. 52+33.86 TO STA. 52+38.86					13						
STA. 52+39.04 TO STA. 52+69.04							105				
STA. 57+13 RT TO STA. 62+50 RT								227			
STA. 57+22.46 TO STA. 52+52.46							105				
STA. 57+52.64 TO STA. 57+57.64					13						
STA. 57+52.64 TO STA. 59+95	390										
STA. 57+52.64 TO STA. 61+31											
STA. 57+52.64 TO STA. 62+50			799	7					105	217	
STA. 59+84 LT, F.E.		59									14
STA. 59+95 TO STA. 60+49	45										
STA. 62+45 TO STA. 62+50					13						
TOTALS	730	320	1375	12	52	160	210	227	180	376	50

SHOULDER SCHEDULE		
LOCATION	48101200 AGGREGATE SHOULDERS, TYPE B (TON)	48202400 BITUMINOUS SHOULDERS, SUPERPAVE, 6" (SQ YD)
STA. 48+70 LT TO STA. 51+54 LT	46	
STA. 48+73 LT TO STA. 52+36 LT		162
STA. 48+86 RT TO STA. 52+42 RT		159
STA. 48+88 RT TO STA. 51+18 RT	37	
STA. 51+71 RT TO STA. 52+72 RT	25	
STA. 51+96 LT TO STA. 52+65 LT	11	
STA. 57+19 LT TO STA. 59+60 LT	41	
STA. 57+27 RT TO STA. 62+50 RT	84	
STA. 57+49 LT TO STA. 62+50 LT		223
STA. 57+55 RT TO STA. 62+50 RT		220
STA. 59+96 LT TO STA. 62+50 LT	46	
TOTALS	290	764

TEMPORARY BARRIER SCHEDULE				
LOCATION	70400100 TEMPORARY CONCRETE BARRIER (FOOT)	70400200 RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)	Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 (EACH)
STA. 47+20 LT TO STA. 47+50 LT (STAGE 1)			1	
STA. 47+20 RT TO STA. 47+50 RT (STAGE 2)				1
STA. 47+60 TO STA. 62+73 (STAGE 1)	1512.5			
STA. 47+60 TO STA. 62+73 (STAGE 2)		1512.5		
STA. 62+75 LT TO STA. 63+05 LT (STAGE 1)			1	
STA. 62+75 RT TO STA. 63+05 RT (STAGE 2)				1
TOTALS	1512.5	1512.5	2	2

SEEDING SCHEDULE					
LOCATION	25000300 SEEDING, CLASS 3 (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (POUND)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (POUND)	25000600 POTASSIUM FERTILIZER NUTRIENT (POUND)	25100115 MULCH, METHOD 2 (ACRE)
STA. 48+57 LT TO STA. 54+54 LT	1.46	132	132	132	1.46
STA. 48+90 RT TO STA. 54+76 RT	0.97	88	88	88	0.97
STA. 55+16 LT TO STA. 62+50 LT	1.07	97	97	97	1.07
STA. 55+37 RT TO STA. 62+50 RT	0.85	77	77	77	0.85
TOTALS	4.35	394	394	394	4.35

PLOT DATE = 9/25/2006
FILE NAME = J:\02157\DRAWINGS\02157SCH.dgn
PLOT SCALE = 5/8"=1'-0"
REFERENCE = .REF.
OPERATOR =

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE 5/13/06

DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-000000-000000
021-000000-000000-000000

COMPUTER FILE NO. 02157SCH
PROJECT 02157
9/22/06-MDS

SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		
**** SECTION 02-00067-00-BR				
** BRS-583(111)				

HORIZONTAL CONTROL

1 DESCRIBE CHAIN RICHL2

Chain RICHL2 contains:
CHA RICHL 2999

Beginning chain RICHL2 description

Chain RICHL found within chain RICHL2, contains:
CUR CURVE1 2001 CUR CURVE2 9001 2009 2012

Beginning subchain RICHL description

Curve Data

Curve CURVE1	P.I. Station	39+03.00 N	1,661.1310 E	1,408.5889
Delta	=	32° 37' 00.09" (LT)		
Degree	=	3° 30' 00.04"		
Tangent	=	478.9563		
Length	=	931.9028		
Radius	=	1,637.0176		
External	=	68.6277		
Long Chord	=	919.3704		
Mtd. Ord.	=	65.8664		
P.C. Station	=	34+24.04 N	1,672.4295 E	929.7659
P.T. Station	=	43+55.94 N	1,909.7077 E	1,817.9894
C.C.	=	3,308.9915 E		968.3828
Back	= S	88° 38' 53.80" E		
Ahead	= N	58° 44' 06.11" E		
Chord Bear	= N	75° 02' 36.16" E		

Course from PT CURVE1 to 2001 N 58° 44' 06.11" E Dist 1,139.8107
 Point 2001 N 2,501.2655 E 2,792.2726 Sta 54+95.75
 Course from 2001 to PC CURVE2 N 58° 44' 06.11" E Dist 352.4337

Curve Data

Curve CURVE2	P.I. Station	61+18.92 N	2,824.6867 E	3,324.9404
Delta	=	18° 46' 52.73" (RT)		
Degree	=	3° 30' 00.02"		
Tangent	=	270.7326		
Length	=	536.6082		
Radius	=	1,637.0198		
External	=	22.2361		
Long Chord	=	534.2090		
Mtd. Ord.	=	21.9381		
P.C. Station	=	58+48.19 N	2,684.1774 E	3,093.5245
P.T. Station	=	63+84.80 N	2,883.2086 E	3,589.2723
C.C.	=	1,284.8917 E		3,943.1323
Back	= N	58° 44' 06.10" E		
Ahead	= N	77° 30' 58.84" E		
Chord Bear	= N	68° 01' 32.47" E		

Course from PT CURVE2 to 9001 N 77° 30' 58.83" E Dist 160.6646
 Equation: Sta 65+45.46 (BK) = Sta 67+63.87 (AH)
 Point 9001 N 2,917.9381 E 3,746.1384 Sta 67+63.87
 Course from 9001 to 2009 N 77° 30' 58.83" E Dist 920.1335
 Point 2009 N 3,116.8351 E 4,644.5178 Sta 76+84.00
 Course from 2009 to 2012 N 77° 30' 58.83" E Dist 816.0000
 Point 2012 N 3,293.2226 E 5,441.2257 Sta 85+00.00

Ending subchain RICHL description

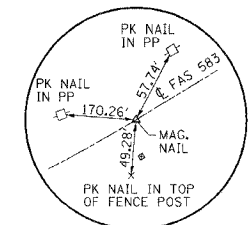
Course from 2012 to 2999 N 77° 30' 58.83" E Dist 300.0000

Equation: Sta 88+00.00 (BK) = Sta 0+00.00 (AH)
 Point 2999 N 3,358.0710 E 5,734.1330 Sta 0+00.00

Ending chain RICHL2 description

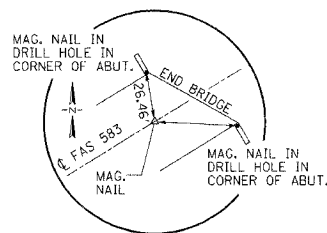
PC Sta. 34+24.04

EXIST. CURVE CURVE1
 PI STA. = 39+03.00
 Δ = 32° 37' 00" (LT)
 D = 3° 30' 00"
 R = 1,637.02'
 T = 478.96'
 L = 931.90'
 E = 68.63'
 P.C. STA. = 34+24.04
 P.T. STA. = 43+55.94

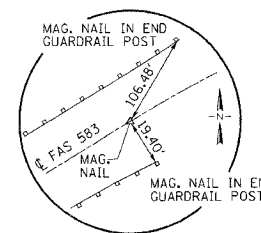


P.T. STA. 43+55.94
MAG. NAIL

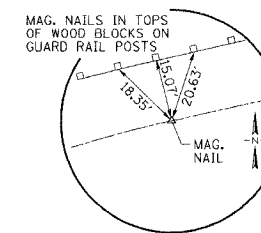
CL FAS 583 (CHAIN RICHL2)



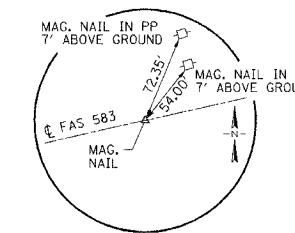
P.O.T. STA. 48+50.00
MAG. NAIL



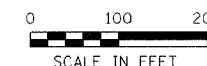
P.C. STA. 58+48.19
MAG. NAIL



P.T. STA. 63+84.80
MAG. NAIL



P.O.T. STA. EQUATION
STA. 65+45.46 (BK) =
STA. 67+63.87 (AH)
MAG. NAIL



PLOT DATE = 04/05/05
 FILE NAME = 051105
 SCALE = AS SHOWN
 PLOTTER = HP
 OPERATOR = MUSER

NOTE: FOR BENCHMARK DATA SEE PLAN AND PROFILE SHEET.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL
 FAS 583 (CH 5) OVER LAMOINE RIVER
 SEC. 02-00067-00-BR
 SCHUYLER COUNTY

SCALE: VERT. 1"=10'
 HORIZ. 1"=100'
 DATE 2/25/2005

DRAWN BY SUTHEARD
 CHECKED BY BOTT

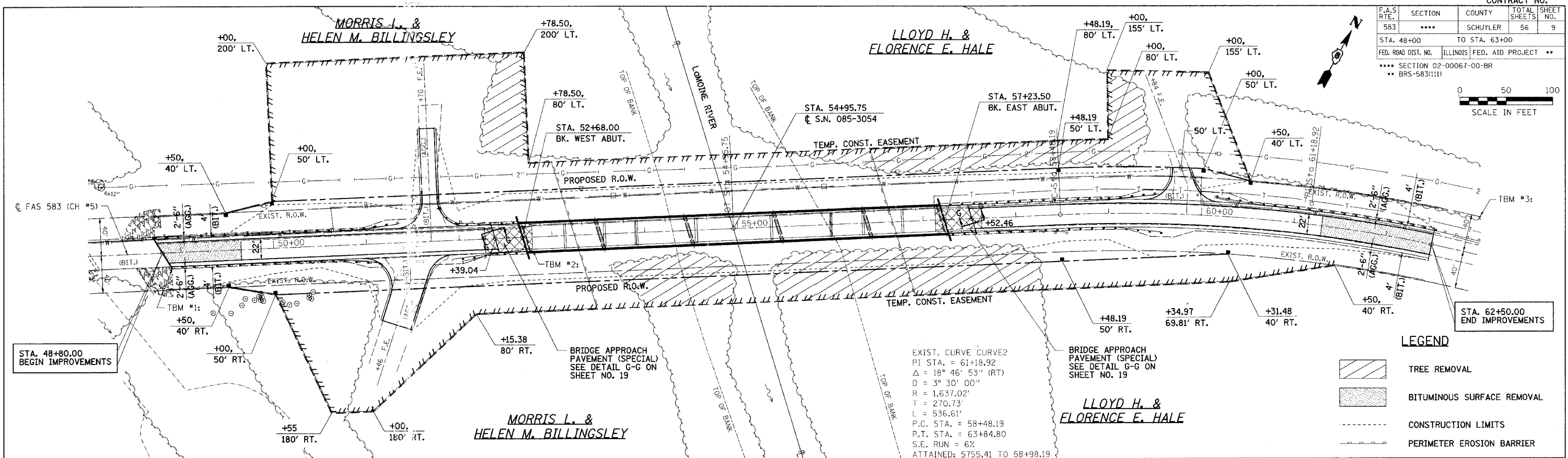
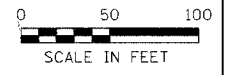
GREENE & BRADFORD, INC.
 OF SEVENFIELD

COMPUTER FILE NO. 02157HVC
 PROJECT 02157
 5/12/06-MDS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	9

STA. 48+00 TO STA. 63+00
 ILLINOIS FED. AID PROJECT **

SECTION 02-00067-00-BR
 BRS-583(111)



LEGEND

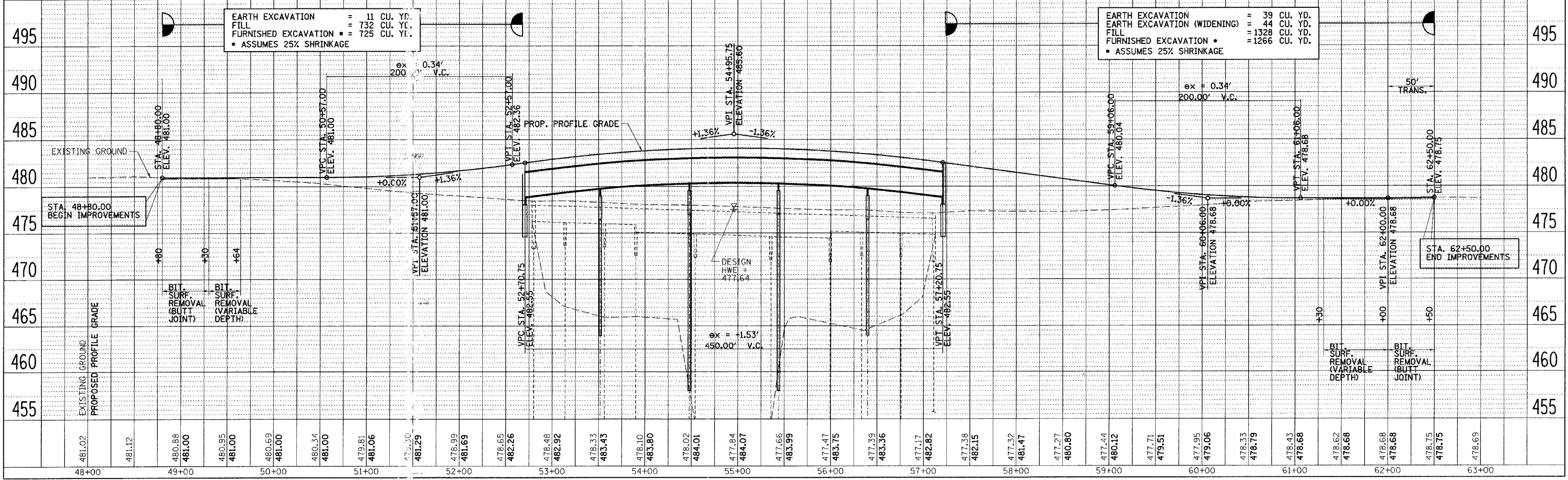
- TREE REMOVAL
- BITUMINOUS SURFACE REMOVAL
- CONSTRUCTION LIMITS
- PERIMETER EROSION BARRIER

TBM #1: STA. 48+88, 16' RT. CHISELED "□" ON S.E. WINGWALL OF BRIDGE ELEV. 480.94	TBM #2: STA. 52+79.1, 11.7' RT. ILLINOIS WATERWAY TABLET IN S.W. CORNER OF EXISTING BRIDGE ELEV. 479.10	TBM #3: STA. 62+96, 39' LT. RR SPIKE IN POWER POLE ELEV. 470.02
--	---	---

REVISION	DATE	BY

GREENE & BRADFORD, INC.
 OF SHERBORN, MA
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 10517
 REGISTERED PROFESSIONAL SURVEYORS
 LICENSE NO. 10517
 REGISTERED PROFESSIONAL LAND SURVEYORS
 LICENSE NO. 10517

COMPUTER FILE NO.	02157PLN
PROJECT	02157
DATE	9/22/06 - MDS



DATE	
BY	
PLAN	
REVISION	
NOTED	
NOTE BOOK	
NO.	

DATE	
BY	
PROFILE	
REVISION	
NOTED	
NOTE BOOK	
NO.	

PLOT DATE = 9/25/2006
 FILE NAME = J:\2157\DRAWINGS\02157PLN.dwg
 PLOT SCALE = 1/8" = 1'-0"
 PLOTTER = HP-GL/2
 OPERATOR = jrc

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	10

STA.	TO STA.

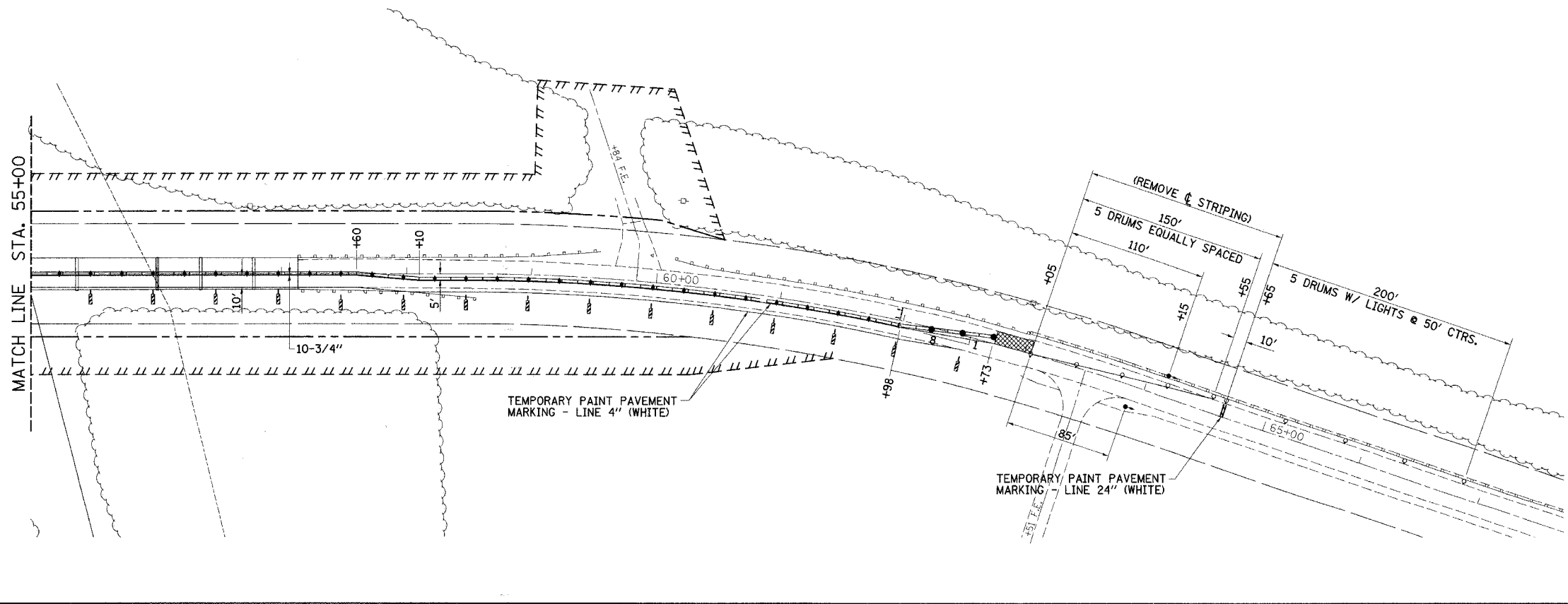
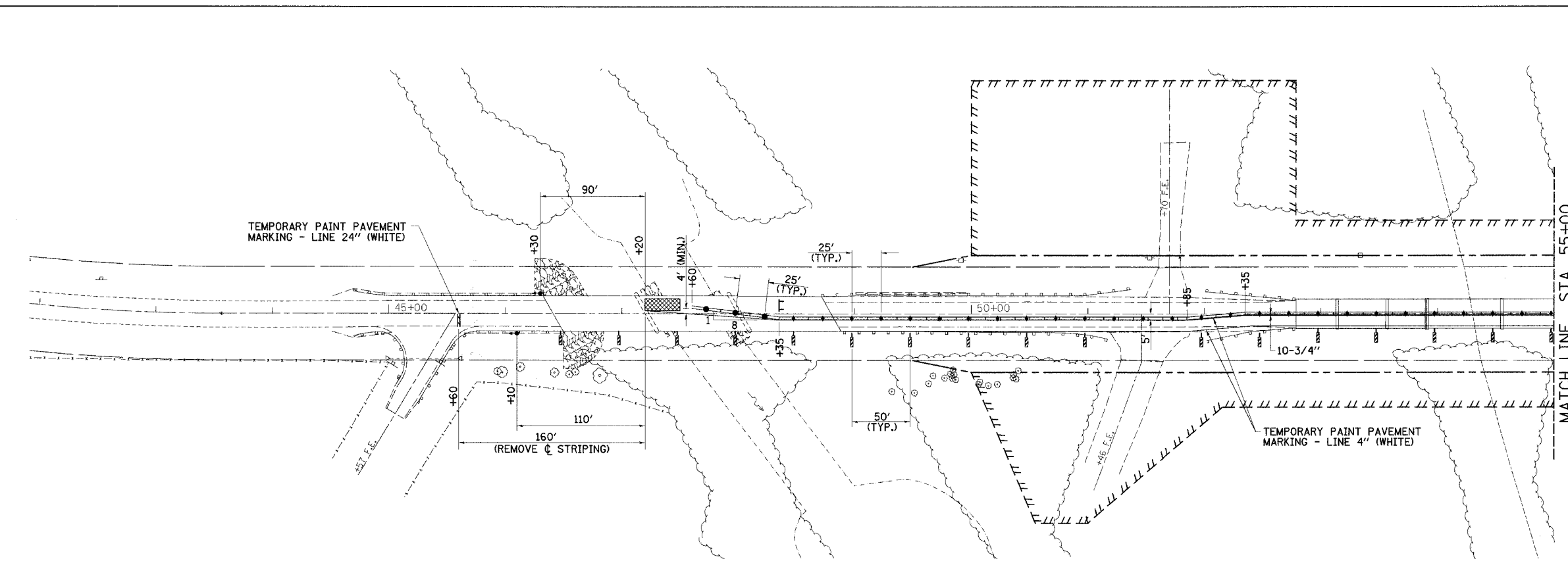
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **

*** SECTION 02-00067-00-BR
** BRS-583(111)



LEGEND

- ⌈ TYPE III BARRICADE
- ⊙ TRAFFIC SIGNALS
- ⊙ DRUM W/ STEADY BURNING LIGHT
- ▨ IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3
- ⌋ DOUBLE VERTICAL PANEL
- ◆ TYPE C BIDIRECTIONAL REFLECTOR
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANEL



**STAGE 1
SEQUENCE OF OPERATIONS**

1. POST ADVISORY SPEED ZONE = 35 MPH
2. BITUMINOUS PAVEMENT REMOVAL, INSTALL BITUMINOUS BASE COURSE WIDENING, STAGE 1 TRAFFIC ONLY, TEMPORARY TRAFFIC SIGNALS, ATTENUATORS, TEMPORARY CONCRETE BARRIERS, DRUMS, AND ALL OTHER ITEMS AS PER THESE DETAILS AND STANDARD 701321. BEGIN OPERATING UNDER STAGE 1 TRAFFIC CONDITIONS.
3. DRIVE TEMPORARY SHEET PILING, REMOVE EXISTING PAVEMENT, REMOVE NORTH HALF OF EXISTING STRUCTURE, GUARDRAIL AND TRAFFIC BARRIER TERMINAL REMOVAL,
4. CONSTRUCT NORTH HALF OF PROPOSED STRUCTURE, PLACE AND COMPACT ROADWAY FILL, AGGREGATE BASE COURSE, BITUMINOUS CONCRETE BINDER COURSE, BITUMINOUS SHOULDERS, AGGREGATE SHOULDERS, STEEL PLATE BEAM GUARD RAIL, AND TRAFFIC BARRIER TERMINALS.

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STAGE 1 CONSTRUCTION
TRAFFIC CONTROL**

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. _____ DRAWN BY SUTHEARD
DATE 5/9/06 CHECKED BY BOTT

	COMPUTER FILE NO.
	02157STG1
PROJECT	02157
	5/9/06-MDS

REVISIONS	
NAME	DATE

PLOT DATE = 5/9/06
FILE NAME = 02157STG1
SCALE = 1/4" = 10'
OPERATOR = MUSEK

STAGE 1 CONSTRUCTION






F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	***	SCHUYLER	56	11

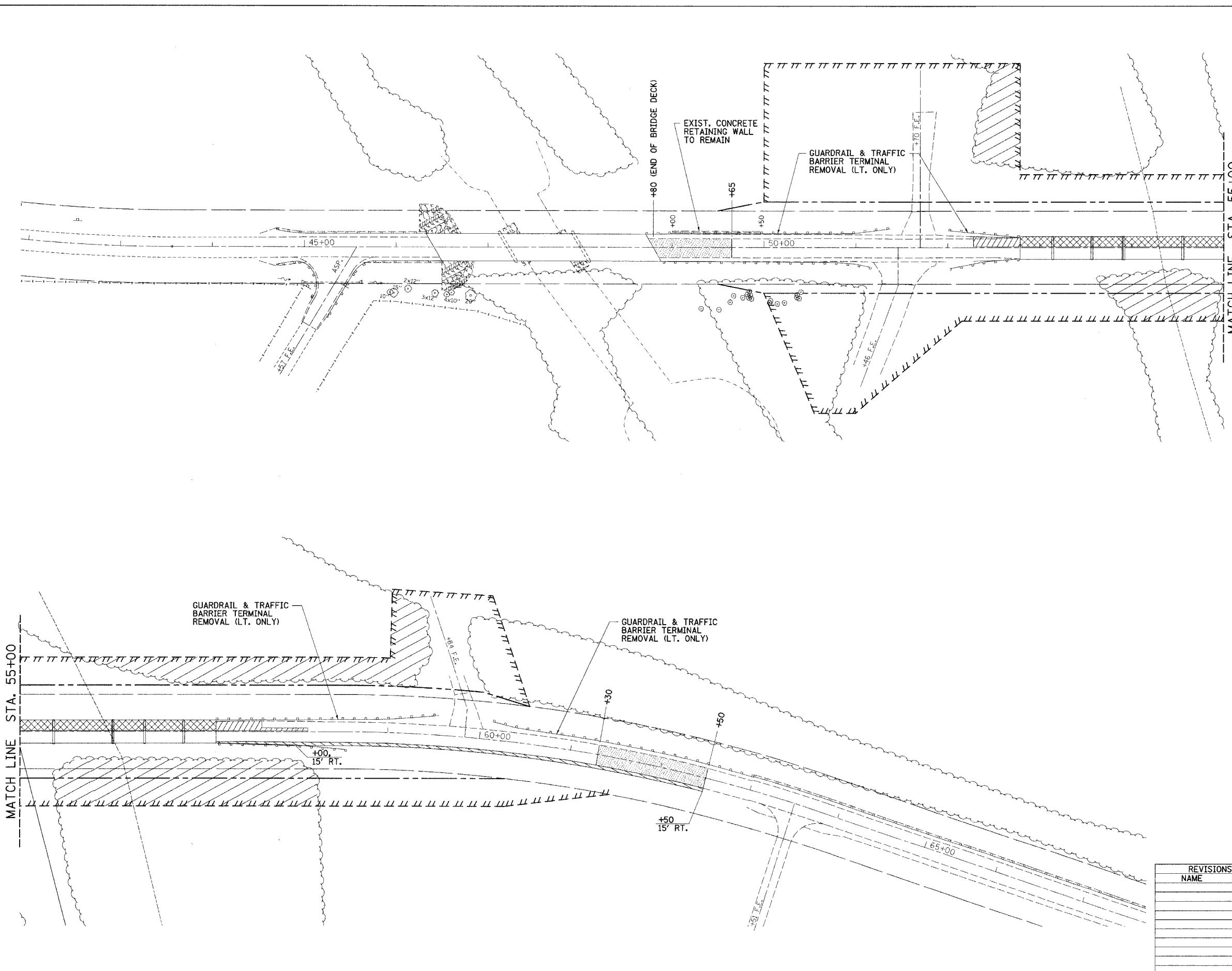
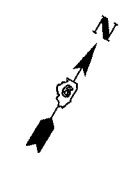
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT **
*** SECTION 02-00067-00-BR	
** BRS-583(111)	

0 50 100

SCALE IN FEET

LEGEND

-  STRUCTURE REMOVAL
-  BITUMINOUS SURFACE REMOVAL
-  PAVEMENT REMOVAL
-  TREE REMOVAL
-  EARTH EXCAVATION WIDENING



MATCH LINE STA. 55+00

MATCH LINE STA. 55+00

PLOT DATE = DATE*
 PLOT NAME = SCALE*
 PLOT SCALE = AREAS*
 REFERENCE = AREAS*
 OPERATOR = USER*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 1 CONSTRUCTION
REMOVAL SCHEMATIC

FAS 583 (CH5) OVER LAMOINE RIVER
 SECTION 02-00067-00-BR
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 5/9/06

DRAWN BY SUTHEARD
 CHECKED BY BOTT

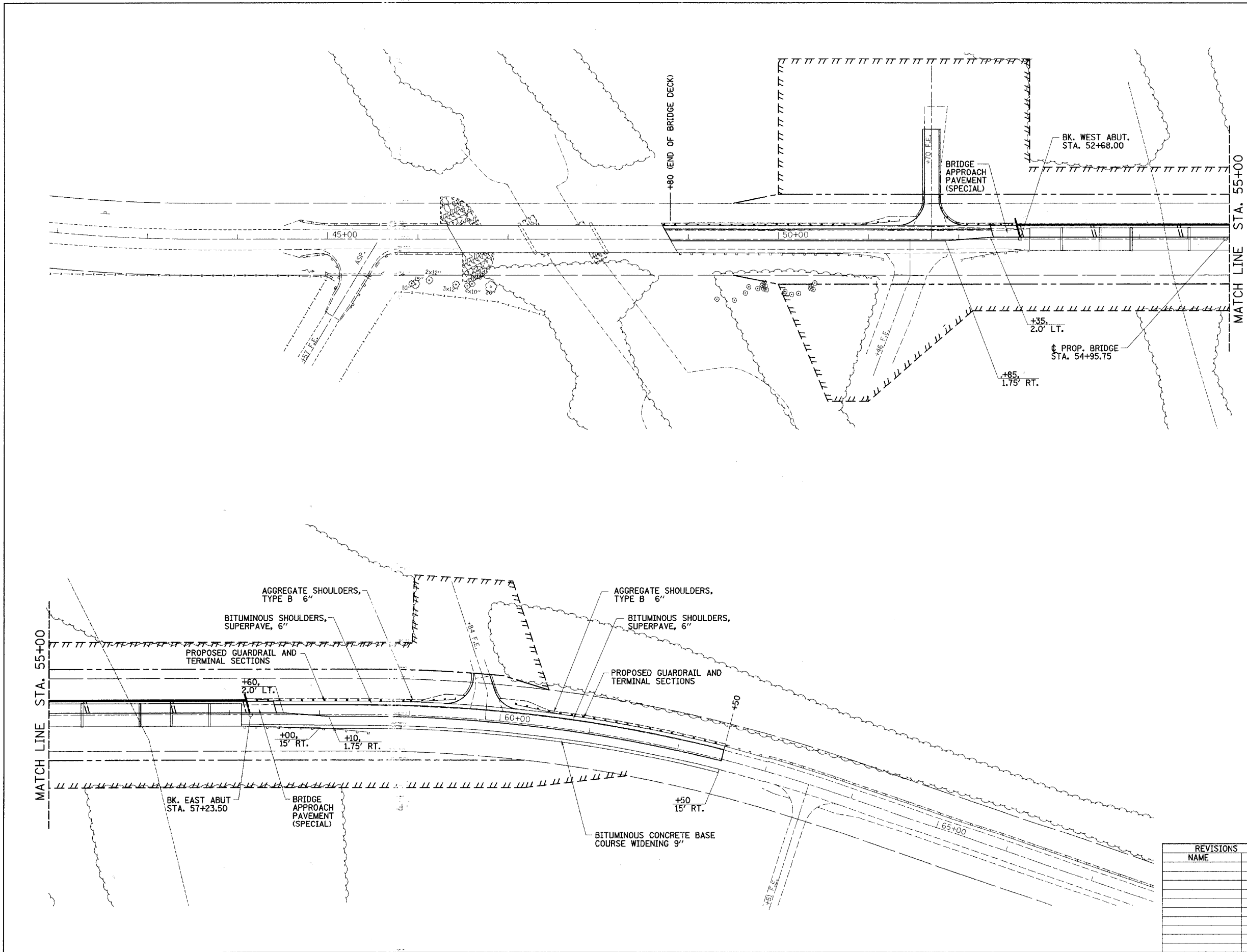
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

COMPUTER FILE NO. 02157STG1
 PROJECT 02157
 5/10/06-MDS

STAGE 1 CONSTRUCTION

92425
CONTRACT NO.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	12
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **		
**** SECTION 02-00067-00-BR				
** BRS-583(111)				
0 50 100				
SCALE IN FEET				



ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 1 CONSTRUCTION
CONSTRUCTION SCHEMATIC

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. _____ DRAWN BY SUTHEARD
HORIZ. _____ DATE 5/9/06 CHECKED BY BOTT

	COMPUTER FILE NO. 02157STG1
	PROJECT 02157 9/22/06-MDS

REVISIONS	
NAME	DATE

PLOT DATE = 9/25/2006
FILE NAME = J:\02157\DRAWINGS\02157STG1.dgn
PLOT SCALE = 50.0000 / 1 IN.
REFERENCE = .REF.
DESIGNER =

STAGE 1 CONSTRUCTION

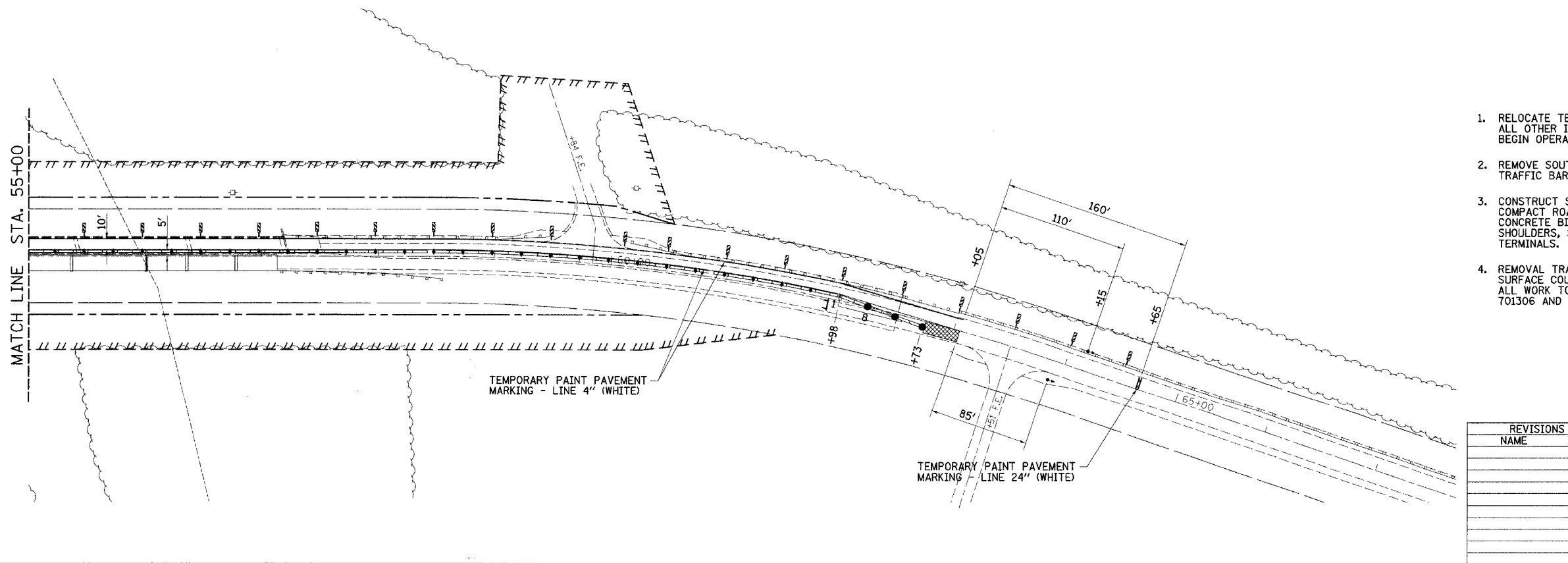
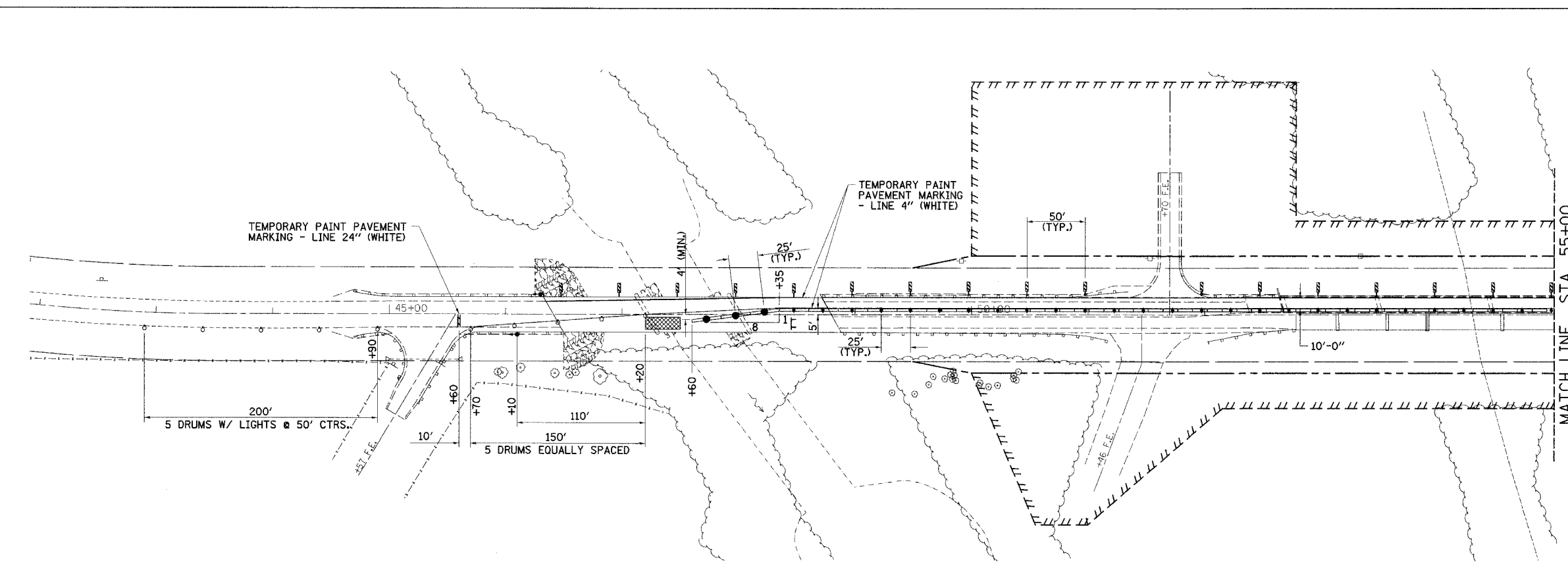
93425
CONTRACT NO.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	13
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **		

SECTION 02-00067-00-BR
BRS-583(111)
0 50 100
SCALE IN FEET

LEGEND

- TYPE III BARRICADE
- TRAFFIC SIGNALS
- DRUM W/ STEADY BURNING LIGHT
- IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3
- DOUBLE VERTICAL PANEL
- TYPE C BIDIRECTIONAL REFLECTOR
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANEL



**STAGE 2
SEQUENCE OF OPERATIONS**

1. RELOCATE TEMPORARY CONCRETE BARRIERS, ATTENUATORS, DRUMS AND ALL OTHER ITEMS AS PER THESE DETAILS AND AS PER STANDARD 701321. BEGIN OPERATING UNDER STAGE 2 TRAFFIC CONDITIONS.
2. REMOVE SOUTH HALF OF EXISTING STRUCTURE, GUARDRAIL AND TRAFFIC BARRIER TERMINALS.
3. CONSTRUCT SOUTH HALF OF PROPOSED STRUCTURE, PLACE AND COMPACT ROADWAY FILL, AGGREGATE BASE COURSE, BITUMINOUS CONCRETE BINDER COURSE, BITUMINOUS SHOULDERS, AGGREGATE SHOULDERS, STEEL PLATE BEAM GUARD RAIL, AND TRAFFIC BARRIER TERMINALS.
4. REMOVAL TRAFFIC CONTROL DEVICES, PLACE BITUMINOUS CONCRETE SURFACE COURSE, PAVEMENT STRIPING, FINISH GRADING AND SEEDING. ALL WORK TO BE DONE IN ACCORDANCE WITH STANDARDS 701301, 701311, 701306 AND 702001.

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STAGE 2 CONSTRUCTION
TRAFFIC CONTROL**
FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. DATE 5/9/06 DRAWN BY SUTHEARD CHECKED BY BOTT
GREENE & BRADFORD, INC. OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL SEAL NO. 02157
PROJECT 02157
5/11/06-MDS



STAGE 2 CONSTRUCTION

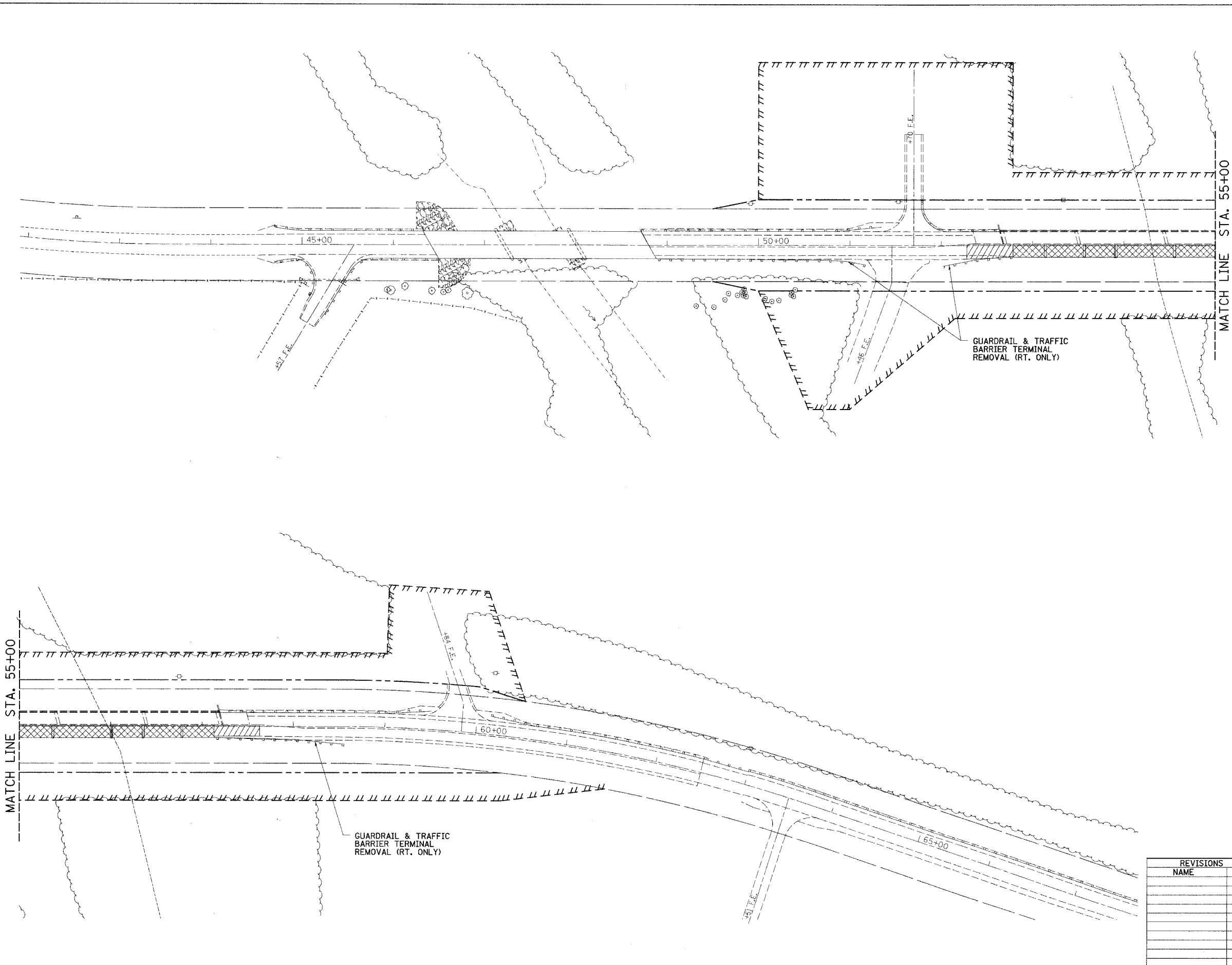
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SCALE = #SCALE#
REFERENCE = #REF#
OPERATOR = #USER#

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		
**** SECTION 02-00067-00-BR				
** BRS-583(111)				
0 50 100				
SCALE IN FEET				



LEGEND

-  STRUCTURE REMOVAL
-  PAVEMENT REMOVAL



MATCH LINE STA. 55+00

MATCH LINE STA. 55+00

GUARDRAIL & TRAFFIC BARRIER TERMINAL REMOVAL (RT. ONLY)

GUARDRAIL & TRAFFIC BARRIER TERMINAL REMOVAL (RT. ONLY)

DATE =
DRAWN BY =
CHECKED BY =
DATE =
DRAWN BY =
CHECKED BY =

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 2 CONSTRUCTION
REMOVAL SCHEMATIC
 FAS 583 (CHS) OVER LAMOINE RIVER
 SECTION 02-00067-00-BR
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 5/9/06

DRAWN BY SUTHEARD
 CHECKED BY BOTT

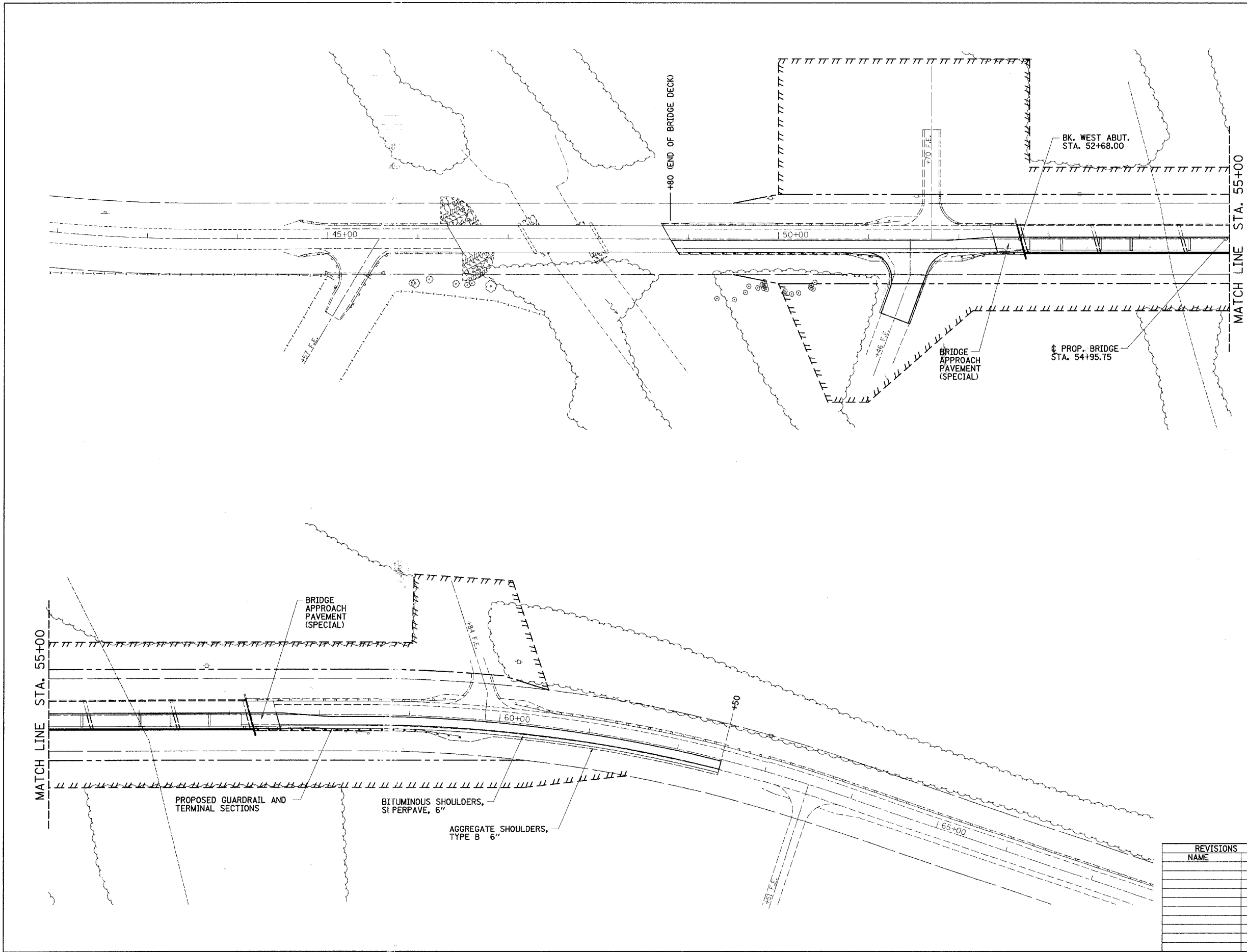
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

COMPUTER FILE NO. 02157STG2
 PROJECT 02157
 5/11/06-MDS

STAGE 2 CONSTRUCTION

93425
CONTRACT NO.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	
**** SECTION 02-00067-00-BR				
** BRS-583(III)				
0 50 100				
SCALE IN FEET				



MATCH LINE STA. 55+00

MATCH LINE STA. 55+00

PLOT DATE = 9/25/2006
 FILE NAME = J:\02157\DRAWINGS\02157STG2.dgn
 PLOT SCALE = 50.00000 1/1 IN.
 REFERENCE = .REF.
 OPERATOR = mps

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 2 CONSTRUCTION
CONSTRUCTION SCHEMATIC

FAS 583 (CHS) OVER LAMOINE RIVER
 SECTION 02-00067-00-BR
 SCHUYLER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 5/9/06

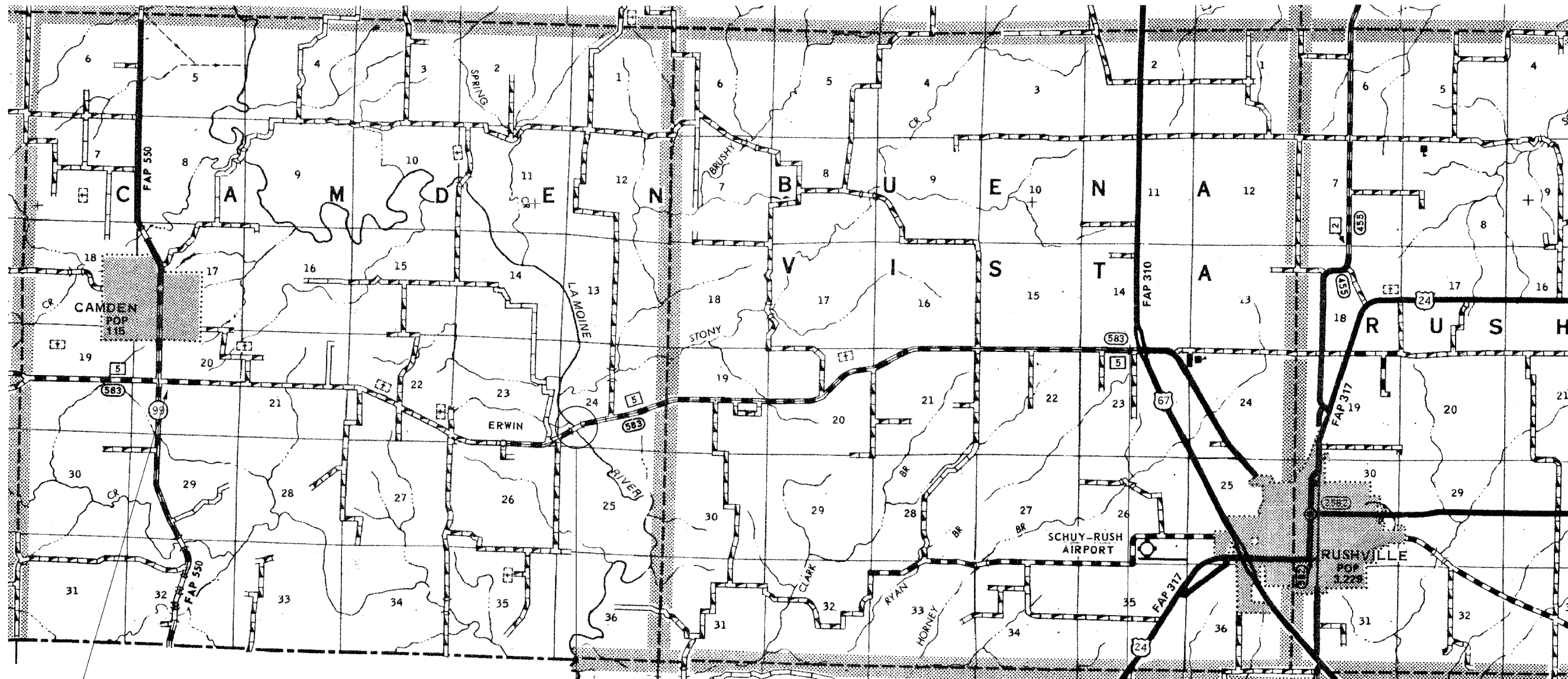
DRAWN BY SUTHEARD
 CHECKED BY BOTT

GREENE & BRADFORD, INC.
ENGINEERS ARCHITECTS SURVEYORS
 1000 W. MONROE ST. SUITE 200
 CHICAGO, ILLINOIS 60606
 (312) 467-1000 FAX (312) 467-1001
 WWW.GREENE-AND-BRADFORD.COM

COMPUTER FILE NO.
 02157STG2
 PROJECT 02157
 9/22/06-MDS

STAGE 2 CONSTRUCTION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	
**** SECTION 02-00067-00-BR				
** BRS-583(111)				



PROJECT LOCATION



MAX WIDTH
10'-0"
4 MILES
AHEAD

MAX WIDTH
10'-0"
5 1/2 MILES
AHEAD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LANE RESTRICTION PLAN
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. DATE 5/9/06
HORIZ. DATE 5/9/06
DRAWN BY SUTHEARD
CHECKED BY BOTT
GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
INCORPORATED
1001 W. WASHINGTON ST., SUITE 100
SPRINGFIELD, ILLINOIS 62760-1001
TEL: 217-223-1100 FAX: 217-223-1101
WWW.GREENE-AND-BRADFORD.COM

COMPUTER FILE NO.
02157LRP
PROJECT 02157
5/12/06-MDS

PLOT DATE = 5/9/06
FILE NAME = 583L16
SCALE = 1"=100'
REFERENCE = 02157LRP
OPERATOR = MDS

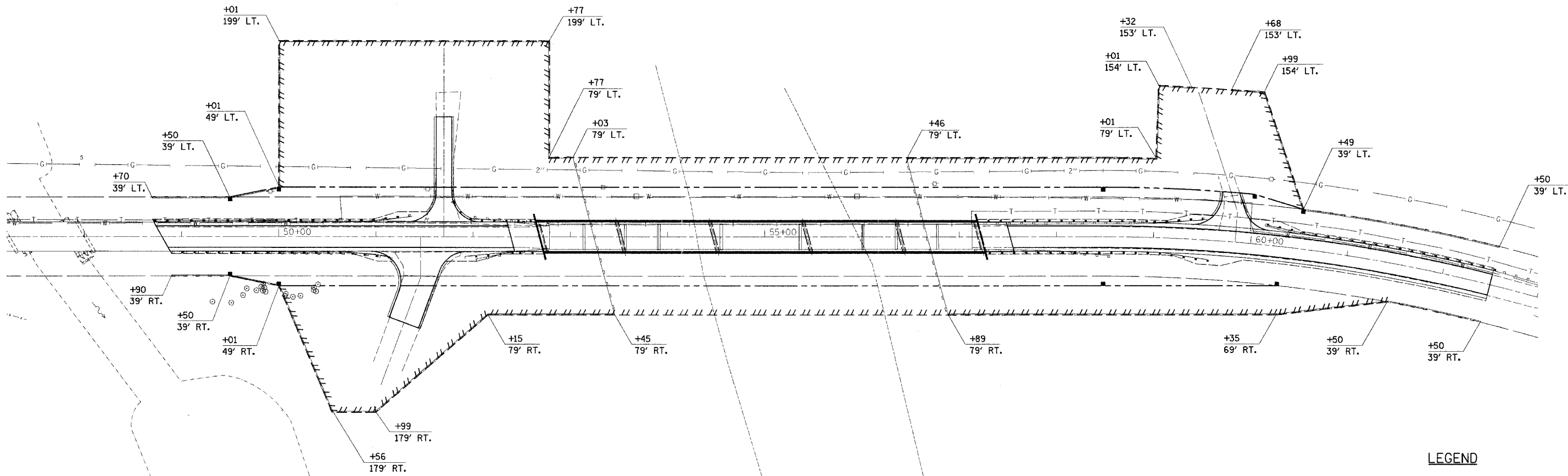
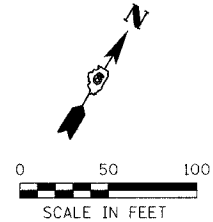
LANE RESTRICTION PLAN

93425
CONTRACT NO.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	17

STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **

**** SECTION 02-00067-00-BR
** BRS-583(111)



LEGEND

----- PERIMETER EROSION BARRIER

PLOT DATE = 5/9/06
FILE NAME = 051115
DESIGNER = J. BOETTCHER
OPERATOR = J. BOETTCHER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE 5/9/06

DRAWN BY SUTHEARD
CHECKED BY BOTT
COMPUTER FILE NO. 02157R
PROJECT 02157
5/12/06-MDS



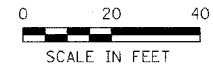
GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
1001 W. MONROE ST., SUITE 200
SPRINGFIELD, ILLINOIS 62761-1001
TEL: 217-223-1100 FAX: 217-223-1101
WWW.GREENE-AND-BRADFORD.COM

EROSION CONTROL PLAN

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	18

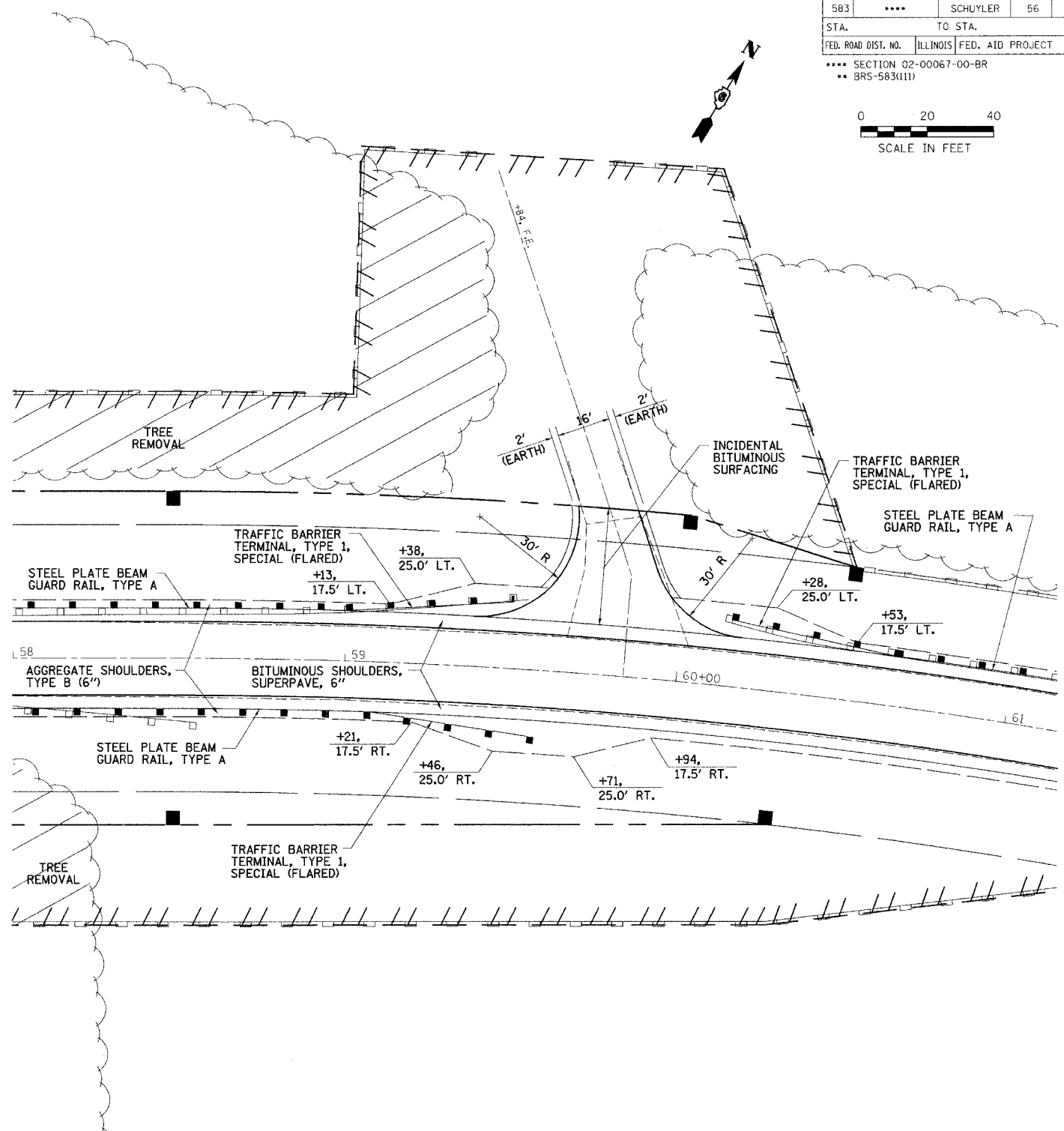
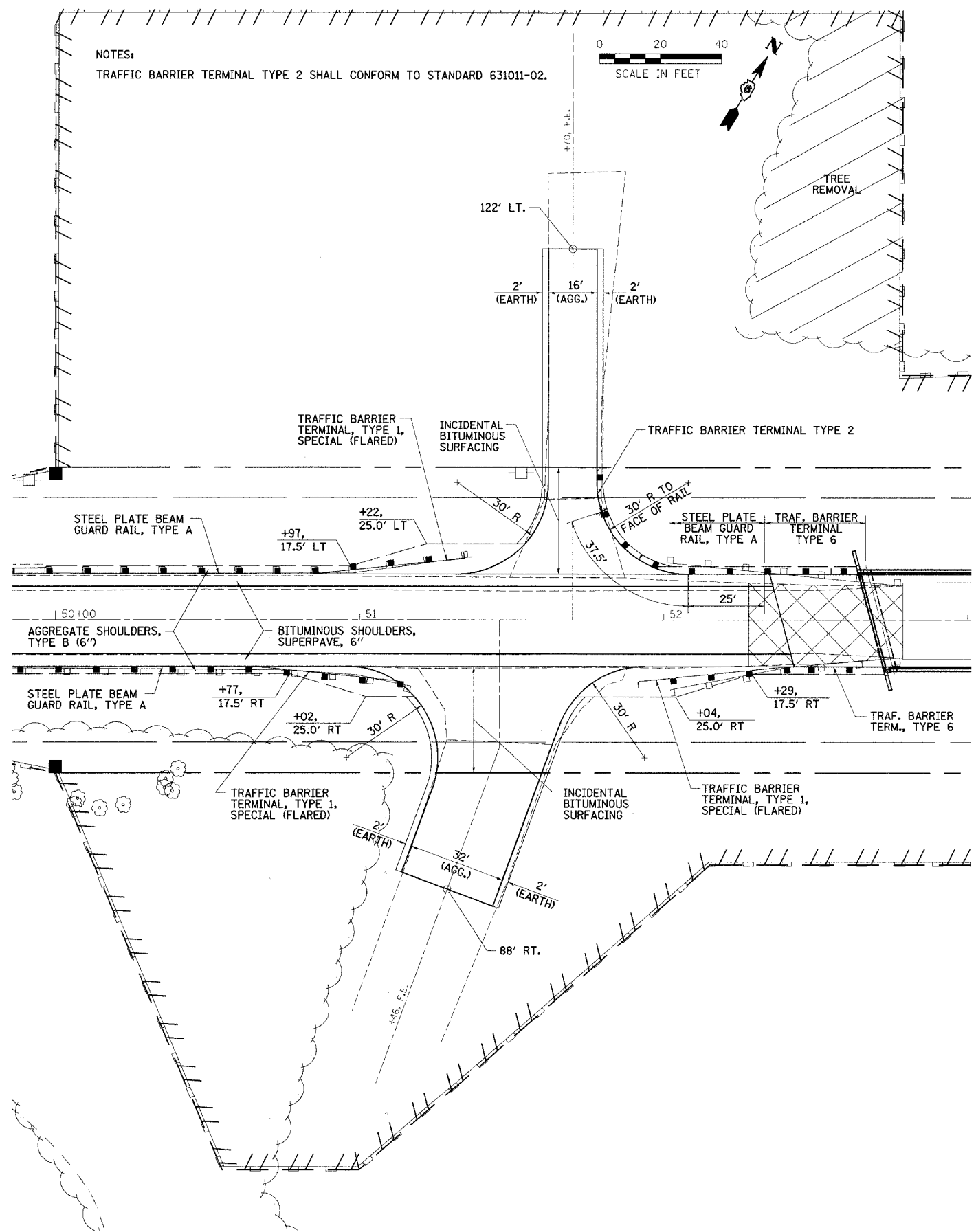
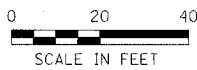
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT **

**** SECTION 02-00067-00-BR
 ** BRS-583(111)



NOTES:

TRAFFIC BARRIER TERMINAL TYPE 2 SHALL CONFORM TO STANDARD 631011-02.



④ CURVE DATA
 P.I. STA. = 61+18.92
 $\Delta = 18^\circ 46' 53''$ (RT)
 $D = 3^\circ 30' 00''$
 $R = 1,637.02'$
 $T = 270.73'$
 $L = 536.61'$
 $E = 22.24'$
 P.C. STA. = 58+48.19
 P.T. STA. = 63+84.80
 S.E. = 6.0%
 S.E. ATTAINED STA. 57+48.19 TO STA. 58+98.19

PLOT DATE = 5/23/06
 FILE NAME = 583L18
 PLOT SCALE = 1/8"=1'-0"
 OPERATOR = RUSBR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS
 FAS 583 (CHS) OVER LAMOINE RIVER
 SECTION 02-00067-00-BR
 SCHUYLER COUNTY

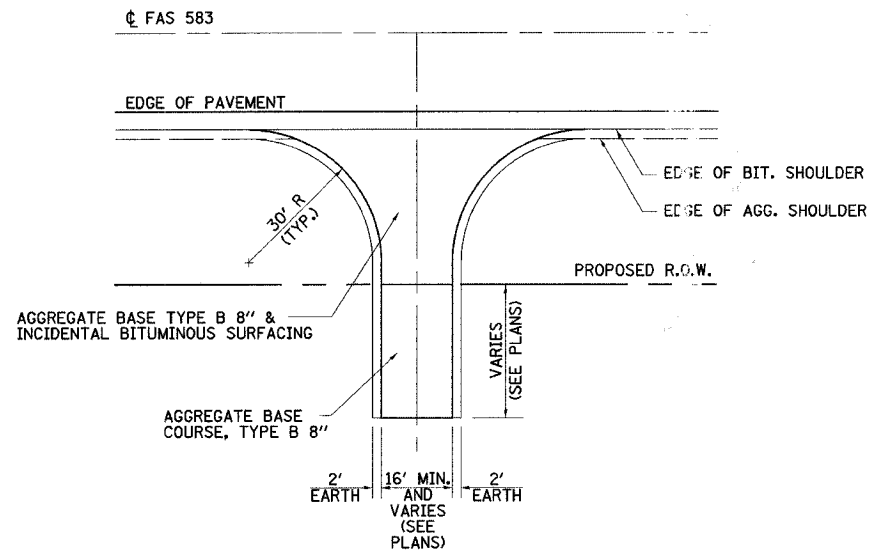
SCALE: VERT. _____
 HORIZ. _____
 DATE 5/12/06

DRAWN BY SUTHEARD
 CHECKED BY BOTT

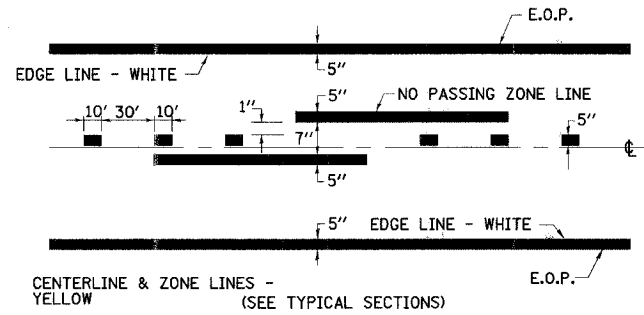
GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
 1001 N. WASHINGTON ST. SUITE 200
 SPRINGFIELD, ILLINOIS 62761-4000
 (217) 791-8800, (217) 791-8277 FAX (217) 791-8800

COMPUTER FILE NO.
 02157SPL
 PROJECT 02157
 5/23/06-MDS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT **		
*** SECTION 02-00067-00-BR				
** BRS-583(111)				

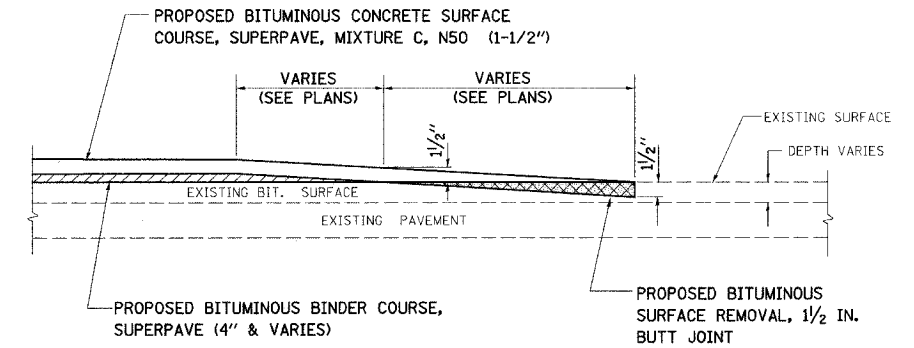


FIELD ENTRANCE DETAIL

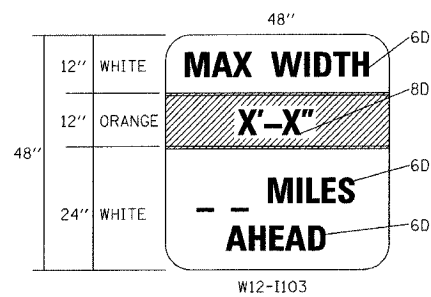


UNLESS DIRECTED BY THE ENGINEER, LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTER LINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2 INCHES FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2 INCHES FROM THE EDGE OF PAVEMENT. SEE SECTION 780. OF THE STANDARD SPECIFICATIONS.

PAINT PAVEMENT MARKING DETAIL



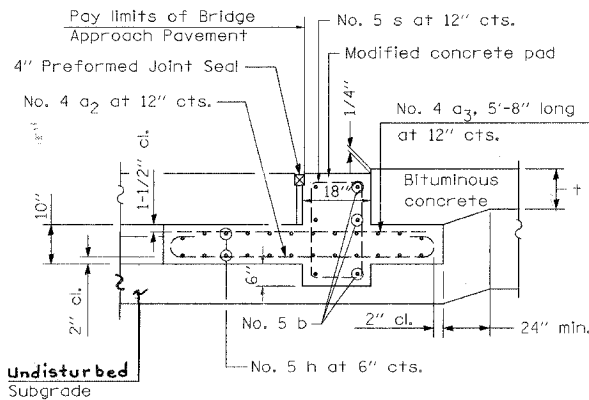
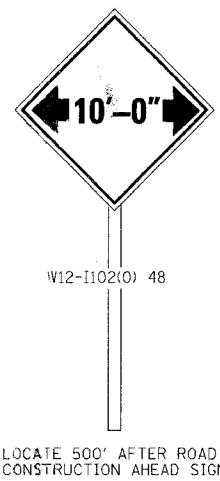
TAPER DETAIL



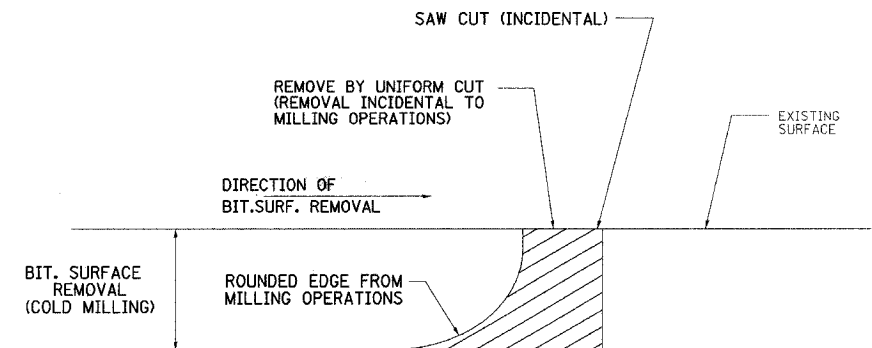
TO BE POST MOUNTED AS SHOWN ON LANE RESTRICTION PLAN SHEET. COST INCLUDED IN PAYMENT FOR STANDARD 701321 (SPECIAL)

THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 14 CALENDAR DAYS PRIOR TO INSTALLING ANY TRAFFIC CONTROL DEVICES THAT WILL RESTRICT THE PAVEMENT WIDTH.

WIDTH RESTRICTION SIGNING DETAILS

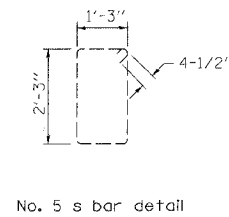


BRIDGE APPROACH PAVEMENT (SPECIAL) SEC. G-G DETAIL



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 BUTT JOINT DETAIL



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY

SCALE: VERT. DATE 5/12/06

DRAWN BY SUTHEARD
CHECKED BY BOIT

COMPUTER FILE NO. 02157SPL
PROJECT 02157
9/22/06-MDS

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
1000 N. UNIVERSITY AVENUE
SPRINGFIELD, ILLINOIS 62761-1000
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
OFFICE NO. 2000, 1001 FIDELITY BLDG. - SPRINGFIELD, ILLINOIS 62761-1000

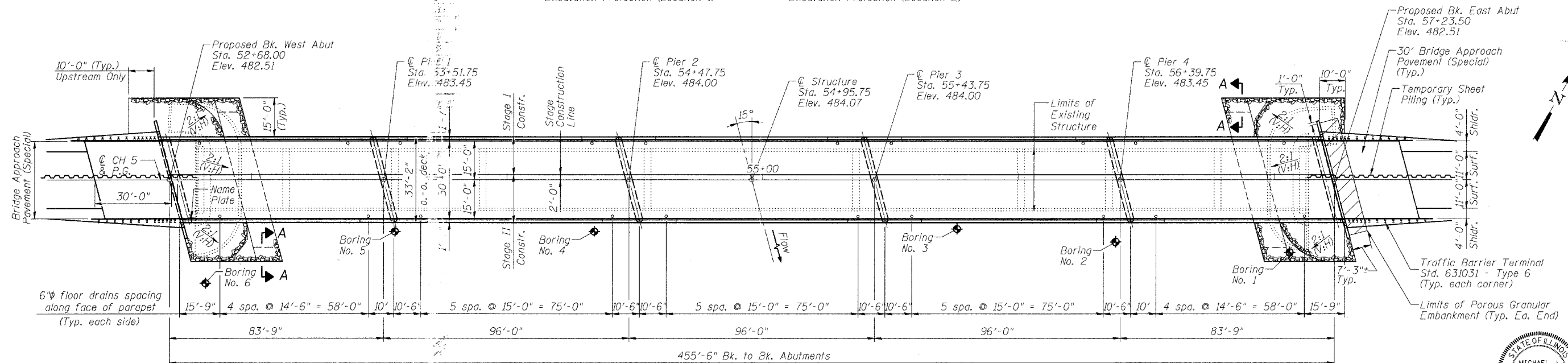
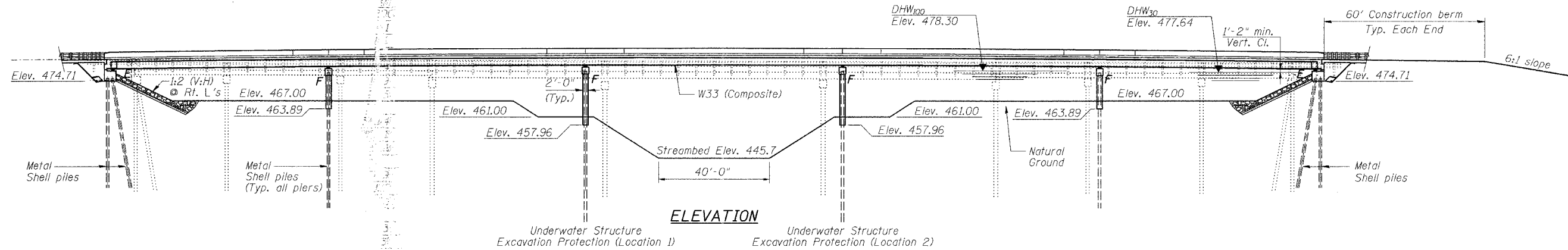
Bench Mark: Sta. 52+79.1, 11.7' Rt. Illinois waterway tablet in S.W. corner of existing bridge.
Elev. 479.10

Existing Structure: Structure No. 085-3052. Nine span steel beam, 435'-2" back to back abutments by 24'-0" out to out deck. To be replaced by a five span reinforced concrete deck composite with continuous rolled steel beams on reinforced concrete abutments. Existing structure to be removed in Stages to maintain one lane of traffic at all times.

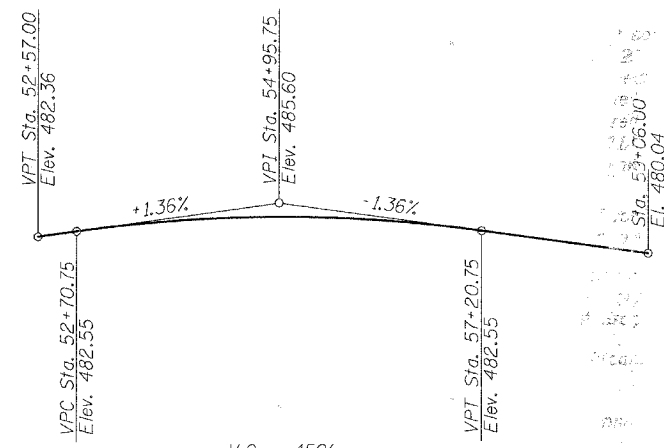
No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAS 583	*	SCHUYLER	56	20
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
* 02-00067-00-BR Contract # 93A25				



PLAN



PROPOSED PROFILE GRADE

LOADING HS20-44
Allow 25#/sq. ft. for future wearing surface

DESIGN SPECIFICATIONS
2002 AASHTO and Interims

DESIGN STRESSES

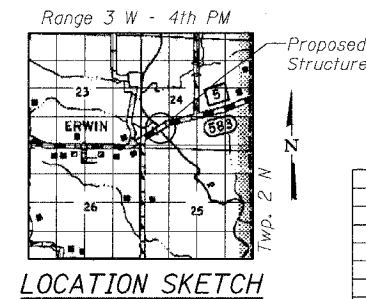
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (M270 Gr. 50 structural steel)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.059g
Site Coefficient (S) = 1.0

FAS ROUTE 583 OVER
LAMOINE RIVER
SCHUYLER COUNTY
SECTION 02-00067-00-BR
SN 085-3054 LOADING HS 20
BUILT 200 STA. 54+95.75

NAME PLATE
See Std. 515001



LOCATION SKETCH



Expires: 11/30/06

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current A.A.S.H.T.O. Standard Specifications for Highway Bridges.

Michael J. Trello
Signed 9/25/06
Dated

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER NO. 081-006334
PROFESSIONAL SURVEYOR NO. 081-006334
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 081-006334

COMPUTER FILE NO.
SN0853054_GPE
PROJECT 02157
9/25/06-MML

FILE NAME: I:\PROJECTS\DRAWINGS\SN085-3054\SN0853054_GPE.dgn
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PLOT DATE: 9/25/2006
PLOT TIME: 3:44:15 PM
OPERATOR: mjtrello

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATERWAY INFORMATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 583	*	SCHUYLER	56	21
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

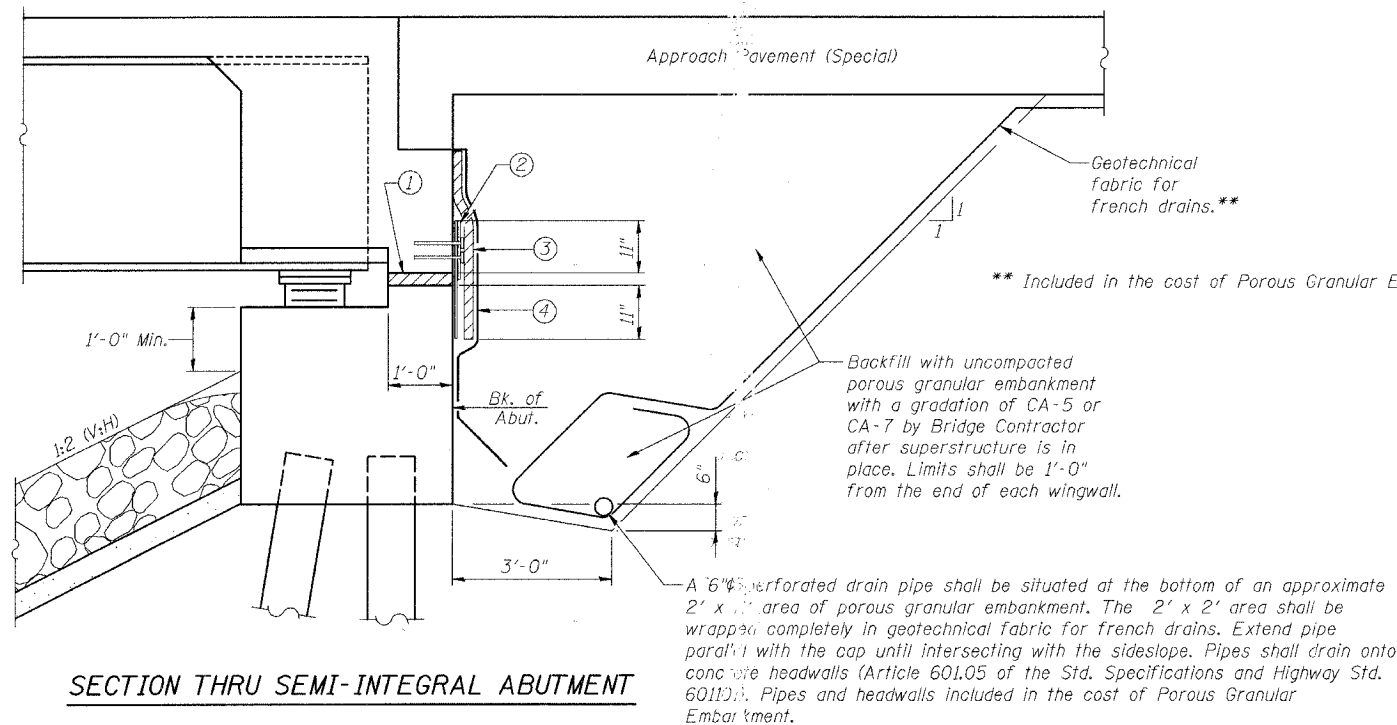
* 02-00067-00-BR
Contract # 93A25

SHEET NO. 2
26 SHEETS

Drainage Area = 1114.00 sq. mi. Low Grade Elev. 478.77 ft. Sta. 62+00 to Sta. 82+00

Flood	Freq. Yr.	Discharge (cfs)			Opening (sq ft)			Nat. w levees H.W.E.	Nat. H.W.E.	Head - Ft.			Headwater Elevation			
		Exist.	Prop.2000	Prop.2004	Exist.	Prop.2000	Prop.2004			Exist.	Prop.2000	Prop.2004	Exist.	Prop.2000	Prop.2004	
Overtopping Existing Road	5	Main Bridge	14861	10,632.8	10,509	5061.2	484.4	4634.9	468.92	474.62	0.49	-0.33	-0.28	475.11	474.29	475.34
		Relief Bridge	na	4732.2	4856	189.3	1886.1									
		Over-the-Road	504	0	0	218.9	0.0	0.0								
	8	Total	15,365	15,365	15,365	5280.1	6735.5	6521								
		Main Bridge	10,192	12,091	12,159	5121.3	5213.5	5212.6								
		Relief Bridge	na	5886	5818	2126.5	2121.0									
25	Over-the-Road	7785	0	0	1678.3	0.0	0.0									
	Total	17,977	17,977	17,977	6799.6	7340.0	7333.6									
	Main Bridge	8714	17,212	17,139	5121.3	5121.3	5821.3									
Design	30	Relief Bridge	na	8620	8693	2338.6	2388.6									
		Over-the-Road	17118	0	0	3730.2	0.0									
		Total	25,832	25,832	25,832	8851.5	7509.9	8209.9								
Overtopping Proposed Road 2000	50	Main Bridge	9030	17,719.7	17,716	5121.3	5121.3	5863.9								
		Relief Bridge	na	9000.3	9004	2407.6	2408.7									
		Over-the-Road	17,690	0	0	3771.1	0.0	0.0								
Max. Calc.	100	Total	26,720	26,720	26,720	8892.4	7528.9	8272.6								
		Main Bridge	9102	19,020.5	20,056	5121.3	5121.3	6014.2								
		Relief Bridge	na	10,584.2	10,217	2471.8	2479.7									
Overtopping Existing Road	50	Over-the-Road	21,171	668.3	0	4334.8	263.0	0.0								
		Total	30,273	30,273	30,273	9456.1	7856.2	8493.9								
		Main Bridge	9012	21,765.5	23,087	5121.3	5121.3	6231.6								
Max. Calc.	100	Relief Bridge	na	12,329.1	11,870	2542.5	2558.5									
		Over-the-Road	25,945	862.4	0	5117.4	240.1	0.0								
		Total	34,957	34,957	34,957	10,238.7	7904.4	8790.1								

The IDNR/OWR has issued Permit #S 2005027 for the Construction of this Project



SECTION THRU SEMI-INTEGRAL ABUTMENT

- 2" Preformed Joint Filler (Section 1051.08 of the Standard Specifications) bonded to abutment cap with approved adhesive (full width of cap and between diaphragm & wing).
- Fabric Reinforced Elastomeric Mat (See Special Provisions). Fabric mat shall be 24" wide and attached full width to the abutment cap with a 3/8" x 5" steel plate and 1/2" φ studs with nuts and washers at 12" cts. Lap fabric mat minimum 3'-0" at Stage Construction Joint.
- 2" Preformed Joint Filler (Section 1051.08 of the Standard Specifications) bonded to superstructure (full width of cap).
- Geocomposite Wall Drain (Section 591 of the Standard Specifications - full width of cap and 3'-0" minimum past joint between diaphragm & wing).

Items ① ② ③ & ④ shall be included in the cost of Concrete Superstructure.

LIST OF SHEETS

- General Plan & Elevation
- General Notes & Details
- Stage Construction Details
- Temporary Concrete Barrier
- 7. Top of Slab Elevations
- Superstructure
- 10. Superstructure Details
- Diaphragm Details
- Framing Plan
- Structural Steel Details
- Bearing Details
- West Abutment
- East Abutment
- Piers
- Concrete Pile Details
- Bar Splicer Assembly Details
- Anchor Bolt Details for Bearings
- 26. Boring Logs

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts 7/8" φ, open holes 5/16" φ, unless otherwise noted.

Calculated weight of Structural Steel = 432,490 lb.

Field welding of construction accessories will not be permitted to beams.

Anchor bolts shall be set before bolting diaphragms over supports.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams.

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

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

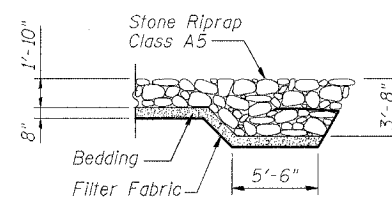
The Contractor shall drive one test pile in a permanent location at each Abutment and Piers 1 & 3, as directed by the Engineer before ordering the remainder of piles.

All Construction joints shall be bonded.

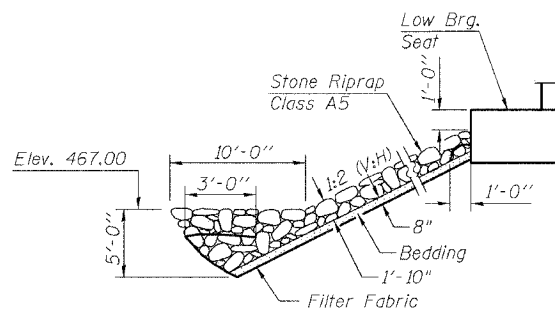
The Inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No 5B 7/1. The color of final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provisions for "Cleaning and Painting New Metal Structures".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		160	160
Stone Riprap, Class A5	Sq. Yd.		550	550
Filter Fabric	Sq. Yd.		550	550
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		176	176
Concrete Structures	Cu. Yd.		218.7	218.7
Concrete Superstructure	Cu. Yd.	496		496
Bridge Deck Grooving	Sq. Yd.	1412		1412
Protective Coat	Sq. Yd.	1900		1900
Elastomeric Bearing Assembly, Type II	Each	12		12
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4572		4572
Reinforcement Bars, Epoxy Coated	Pound	111,460	17,320	128,780
Furnishing Metal Pile Shells, 12"	Foot		3510	3510
Driving and Filling Shells	Foot		3510	3510
Test Pile Metal Shells	Each		4	4
Name Plates	Each		1	1
Floor Drains	Each		56	56
Temporary Sheet Piling	Sq. Ft.		1665	1665
Bar Splicers	Each	1252	184	1436
Underwater Structure Excavation Protection (Location 1)	Each		1	1
Underwater Structure Excavation Protection (Location 2)	Each		1	1



SECTION A-A



STONE RIPRAP ANCHOR DETAIL

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. DRAWN BY: LANDREY
HORIZ. DESIGNED BY: MATHUR
DATE: 6/7/05 CHECKED BY: TRELLO

REVISIONS	
NAME	DATE

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-0000001
PROFESSIONAL & TECHNICAL STAFF
1001 SOUTH BRIDGE STREET, SUITE 200
SPRINGFIELD, ILLINOIS 62761
TEL: 217-223-1100 FAX: 217-223-1101
WWW.GREENE-AND-BRADFORD.COM

COMPUTER FILE NO.
SN0853054-CN
PROJECT 02157
9/25/06-MML

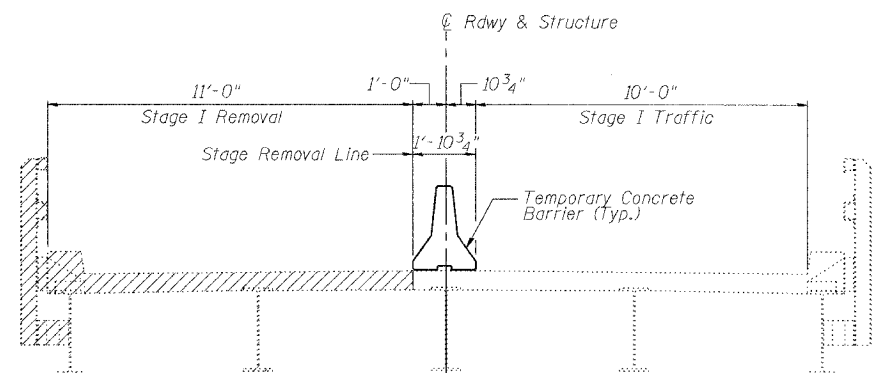
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

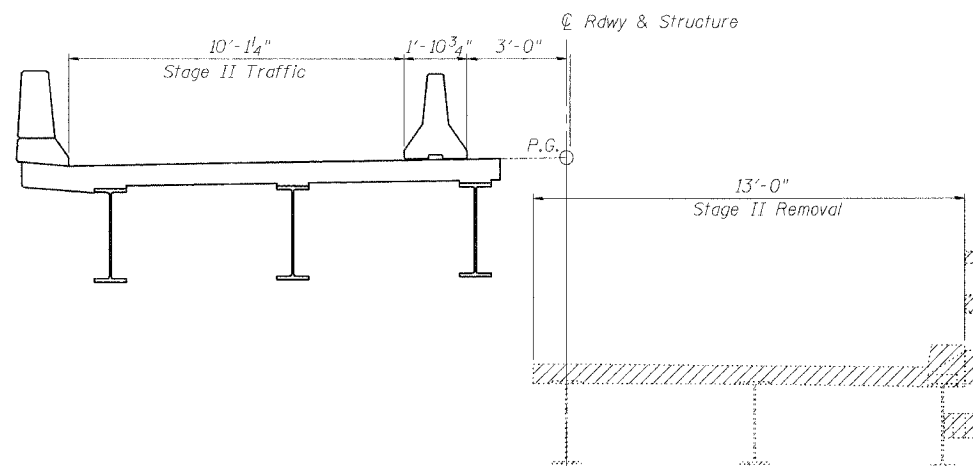
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FAS 583	#	SCHUYLER	56	22
FED. ROAD DIST. NO.		ALIGNMENT	FED. AID PROJECT-	

SHEET NO. 3
26 SHEETS

* 02-00067-00-BR
Contract #

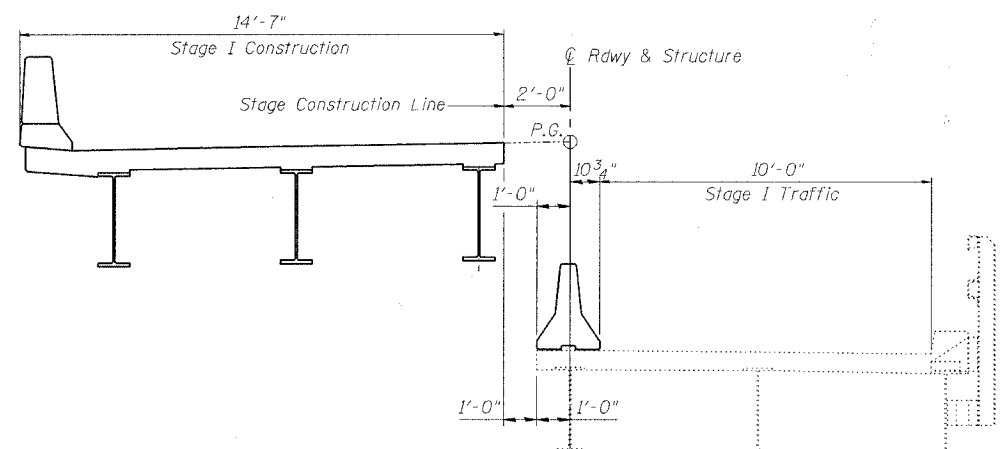


STAGE I REMOVAL
Looking East

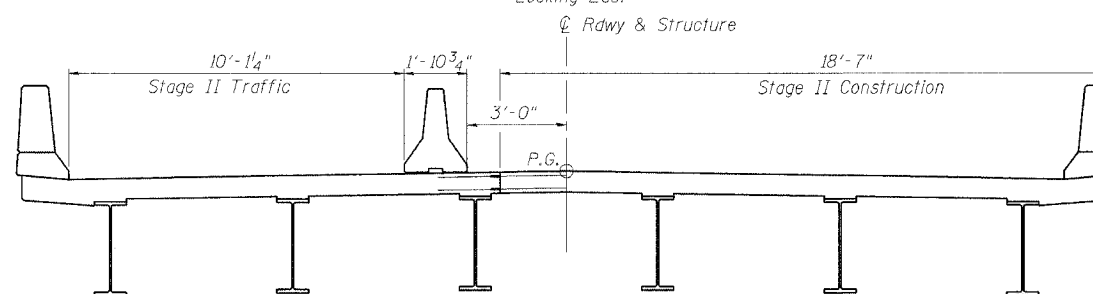


STAGE II REMOVAL
Looking East

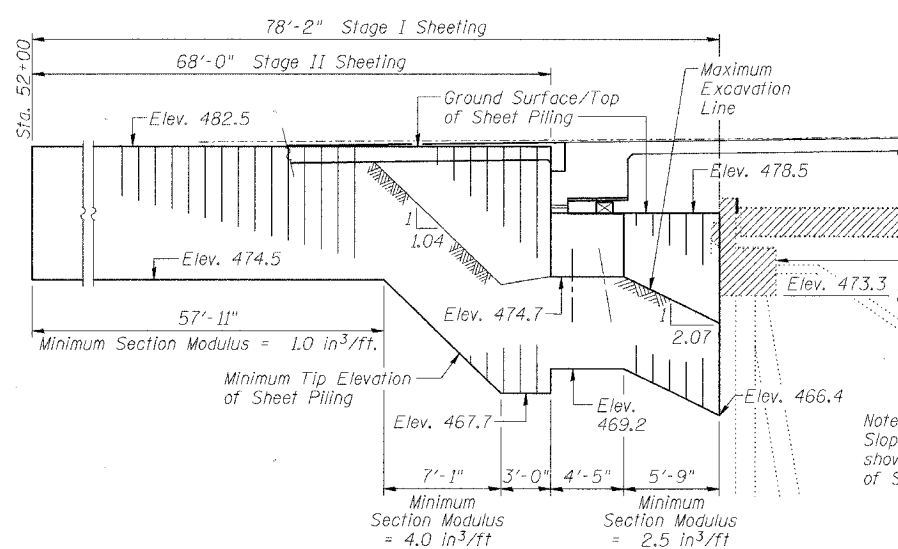
Notes:
All cross sections are looking East.
For quantity of Temporary Concrete Barriers, see Roadway Plans.
Hatched areas indicate Removal of Existing Structures.



STAGE I CONSTRUCTION

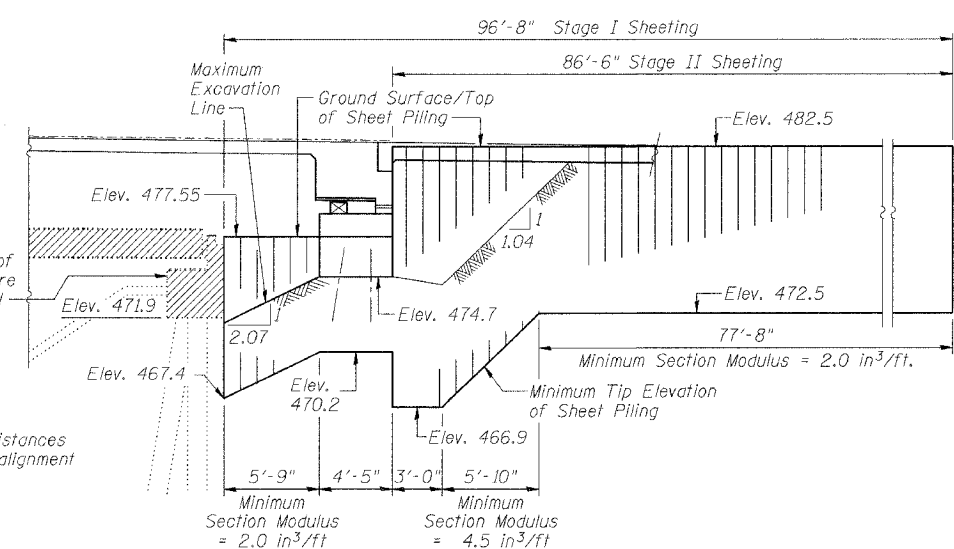


STAGE II CONSTRUCTION



WEST ABUTMENT

Note:
Slopes and distances shown along alignment of Sheeting



EAST ABUTMENT

TEMPORARY SHEET PILING

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PLOT TIME = 7:45:30 AM
OPERATOR = nichellel

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION DETAILS

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT.
HORIZ.
DATE: 6/7/06

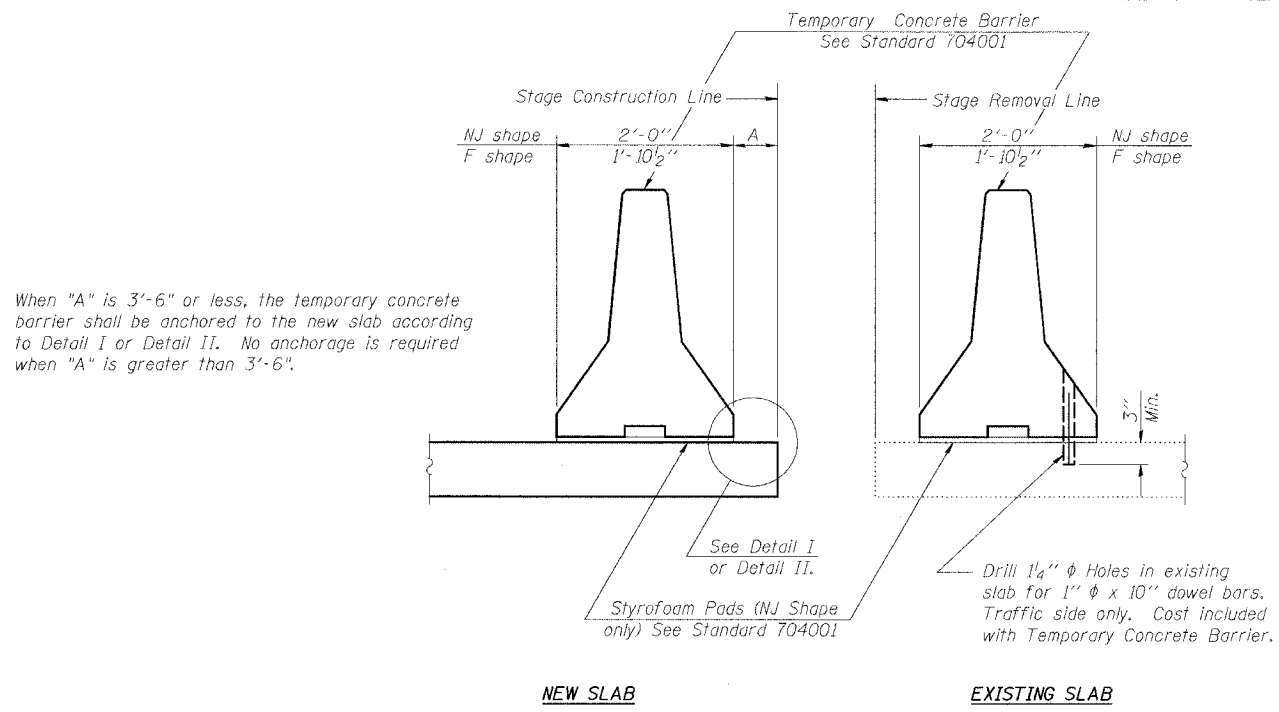
DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
COMPUTER FILE NO.
SN0853054_STG
PROJECT 02157
6/2/06-MML

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAS 583	#	SCHUYLER	56	23
FED. ROAD DIST. NO.				
ILLINOIS				
FED. AID PROJECT				

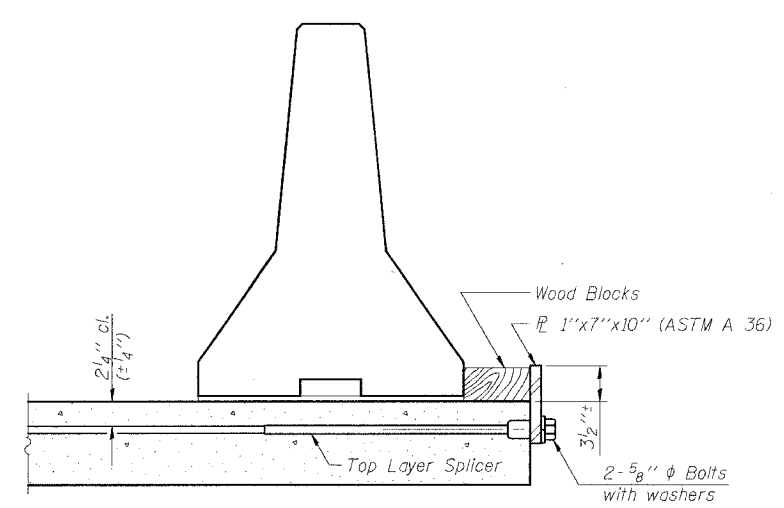
* 02-00067-00-BR
Contract #



SECTIONS THRU SLAB

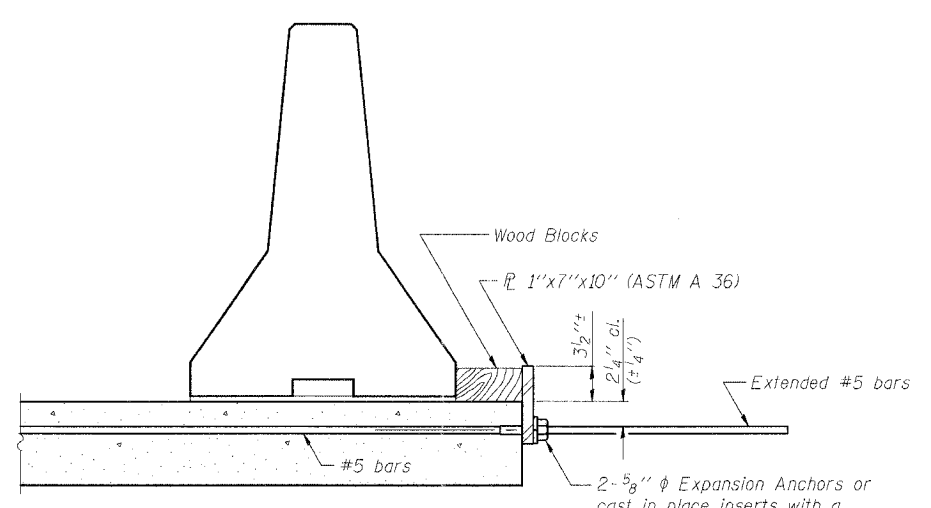
NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier.



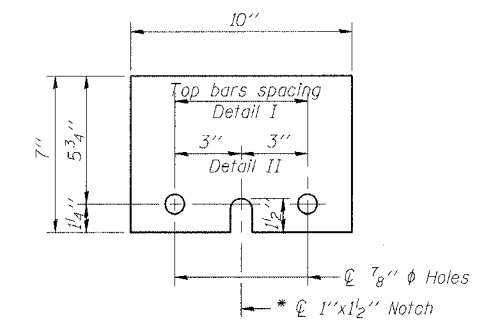
DETAIL I

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.



DETAIL II

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



1"x7"x10"
* Required only with Detail II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. DRAWN BY: LANDREY
 HORIZ. DESIGNED BY: MATHUR
DATE: 6/7/05 CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
PROFESSIONAL ENGINEERS
REGISTERED IN ILLINOIS
4201 193 8946, 4252 792 5227 (I), ILL. www.greenegbradford.com

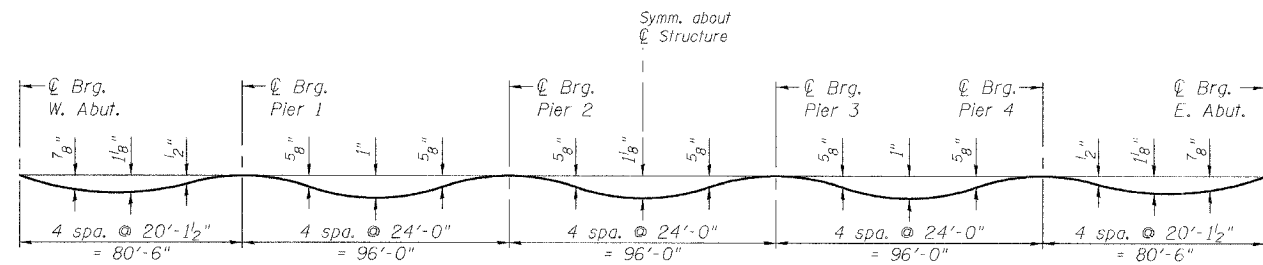
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PROJECT 02157
6/2/06-MML

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OPERATOR = michael

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAS 583	SECTION #	COUNTY SCHUYLER	TOTAL SHEETS 56	SHEET NO. 24	SHEET NO. 5 26 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* 02-00067-00-BR
Contract #

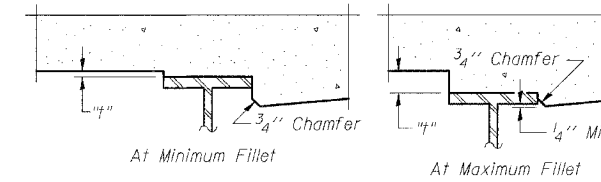


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

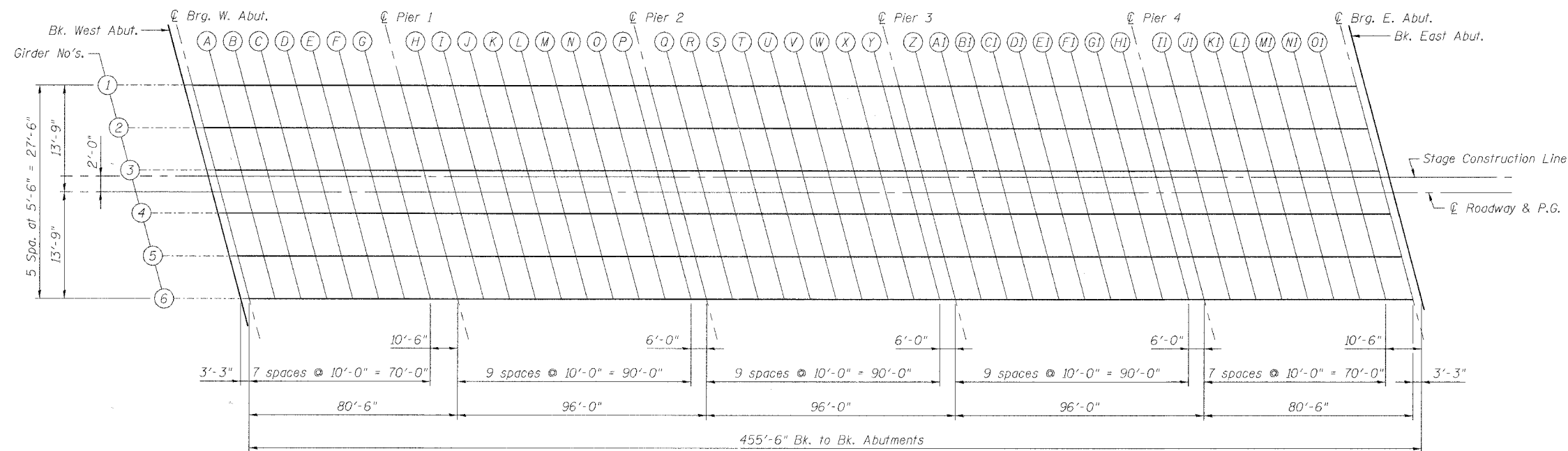
Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below and on Sheet 6 of 17. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

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 PLOT TIME = 7:45:46 AM
 OPERATOR = michellei

E-S 10-22-04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT.
HORIZ.
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC. CIVIL AND MECHANICAL ENGINEERS 1001 W. SPRINGFIELD SPRINGFIELD, ILLINOIS 62761 PROFESSIONAL ENGINEERING LICENSE NO. 021-0000000-0000 (202) 713-8942 (202) 713-8943 FAX (202) 713-8944	COMPUTER FILE NO. SN0853054_T05
	PROJECT 02157 6/2/06-MML

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Table with columns: ROUTE NO., SECTION, COUNTY, DISTRICT, SHEET NO. Values: FAS 583, SCHUYLER, 56, 25

SHEET NO. 6 26 SHEETS

* 02-00067-00-BR Contract #

BEAM 1

Table for BEAM 1 with columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

BEAM 2

Table for BEAM 2 with columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

BEAM 3

Table for BEAM 3 with columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

STAGE CONSTRUCTION LINE

Table for STAGE CONSTRUCTION LINE with columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS

FAS 583 (CHS) OVER LAMOINE RIVER SECTION 02-00067-00-BR SCHUYLER COUNTY STATION 54+95.75 S.N. 085-3054

Table with columns: REVISIONS, NAME, DATE. Includes a grid for recording changes.

SCALE: VERT. HORIZ. DATE: 6/7/05 DRAWN BY: LANDREY DESIGNED BY: MATHUR CHECKED BY: TRELLO

Logos for GREENE & BRADFORD, INC. and COMPUTER FILE NO. SN0853054_T01 PROJECT 02157 6/2/06-MML

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Table with columns: ROUTE NO., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: FAS 583, SCHUYLER, 56, 26.

* 02-00067-00-BR Contract #

ROADWAY AND P.G.

BEAM 4

BEAM 5

BEAM 6

Table for BEAM 4: Columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

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Table for BEAM 5: Columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

Table for BEAM 6: Columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk of W. Abut., CL Brg. W. Abut., CL Brg. Pier 1, CL Brg. Pier 2, CL Brg. Pier 3, CL Brg. Pier 4, CL Brg. E. Abut., Bk. of E. Abut.

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DATE: 6/28/2006
PLOT TIME: 11:46:15 AM
OPERATOR: michellei

ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

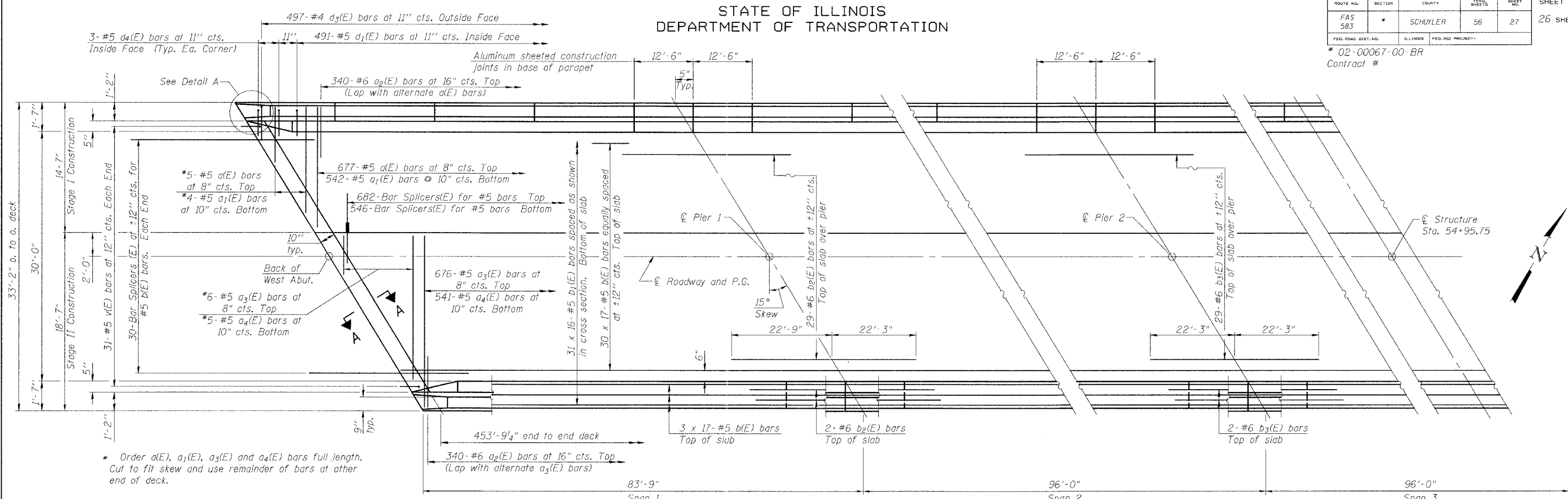
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DESIGNED BY: MATHUR
CHECKED BY: TRELLO
COMPUTER FILE NO. SN0853054.TOS2
PROJECT 02157 6/2/06-MML

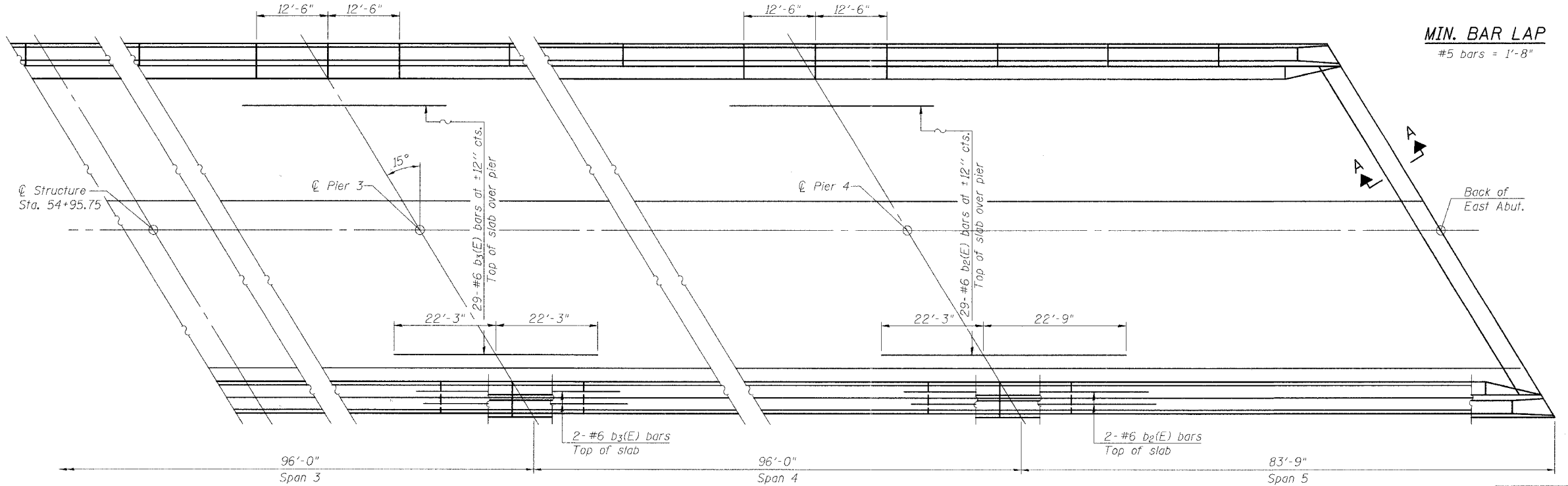


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

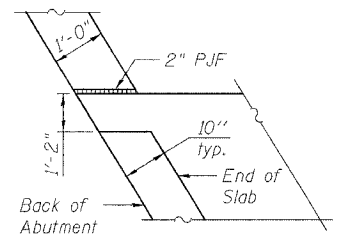
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FAS 583	#	SCHUYLER	56	27	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT #		
* 02-00067-00-BR		Contract #			



* Order a(E), a₁(E), a₃(E) and a₄(E) bars full length. Cut to fit skew and use remainder of bars at other end of deck.



MIN. BAR LAP
#5 bars = 1'-8"



DETAIL A
(Parapet and approach not included)
(Similar at all four corners)

Notes:
 See Sheet 10 of 26 for superstructure details and Bill of Material.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 See Sheet 9 of 26 for parapet reinforcement.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE
 FAS 583 (CHS) OVER LAMOINE RIVER
 SECTION 02-00067-00-BR
 SCHUYLER COUNTY
 STATION 54+95.75
 S.N. 085-3054

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ.
 DATE: 6/7/05
 DRAWN BY: LANDREY
 DESIGNED BY: MATHUR
 CHECKED BY: TRELLO
 GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 0215
 COMPUTER FILE NO. SN0853054_SS1
 PROJECT 02157
 6/2/06-MML

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 OPERATOR = michaell

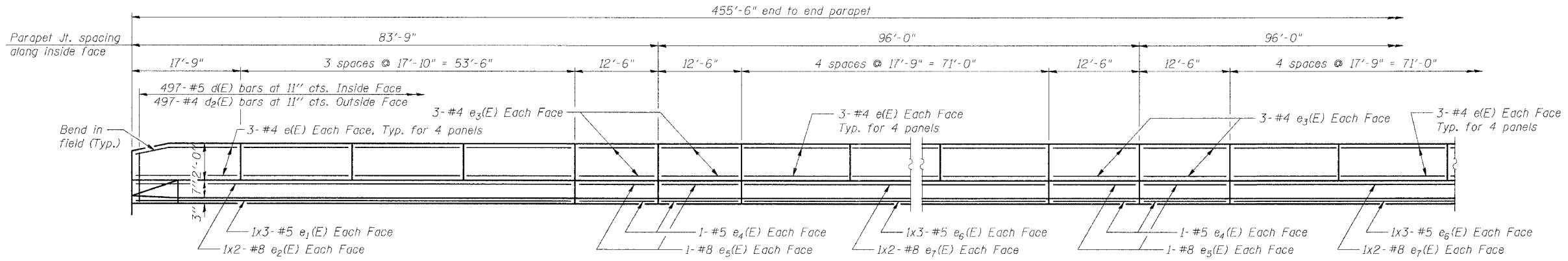
SI-2-R

10-22-04

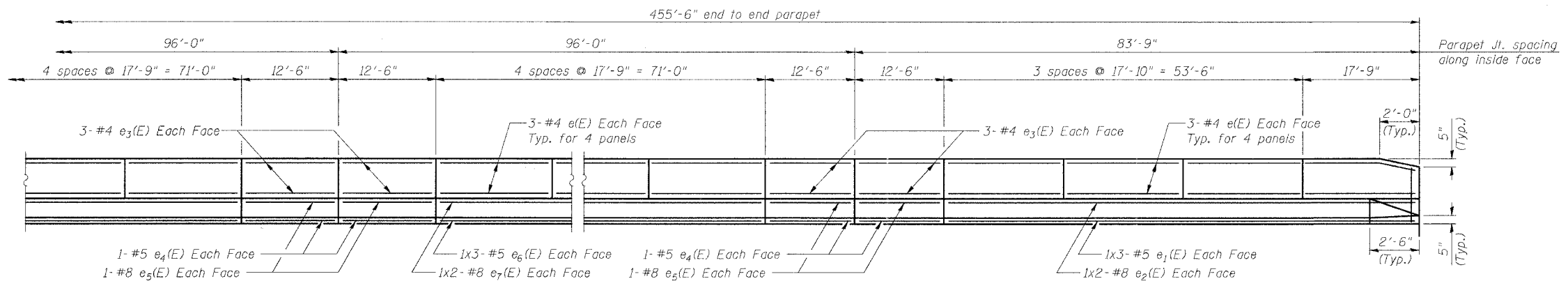
PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

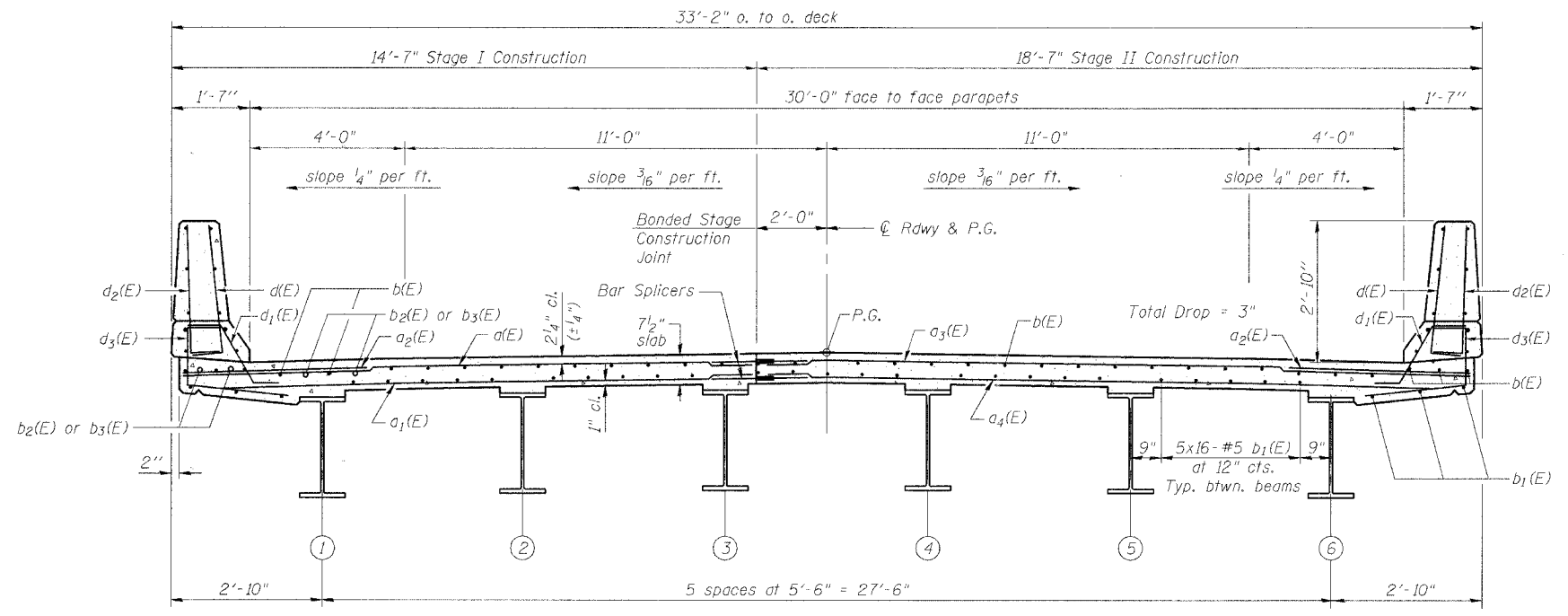
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SHEET NO. 9 26 SHEETS				
FED. ROAD DIST. NO. ILLINOIS				
FED. AID PROJECT * 02-00067-00-BR				
Contract #				



MIN. BAR LAP
#5 bars = 1'-8"
#8 bars = 3'-5"



INSIDE ELEVATION OF PARAPET



CROSS SECTION
(Looking East)

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 02157
PROFESSIONAL STAMPS PROVIDED BY THE STATE

COMPUTER FILE NO.
SN0853054.SS2
PROJECT 02157
6/2/06-MML

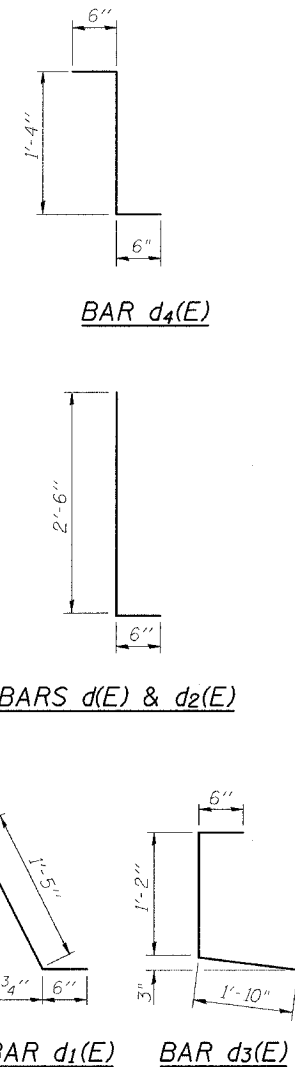
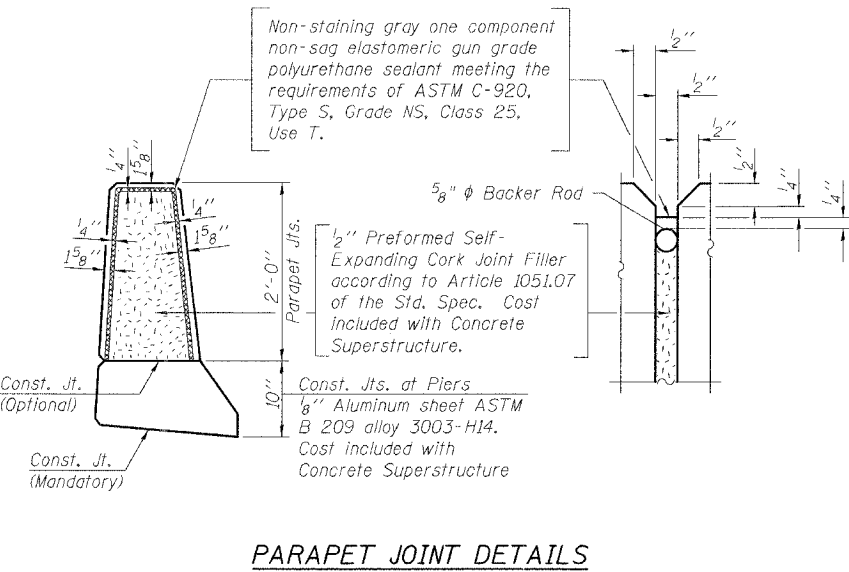
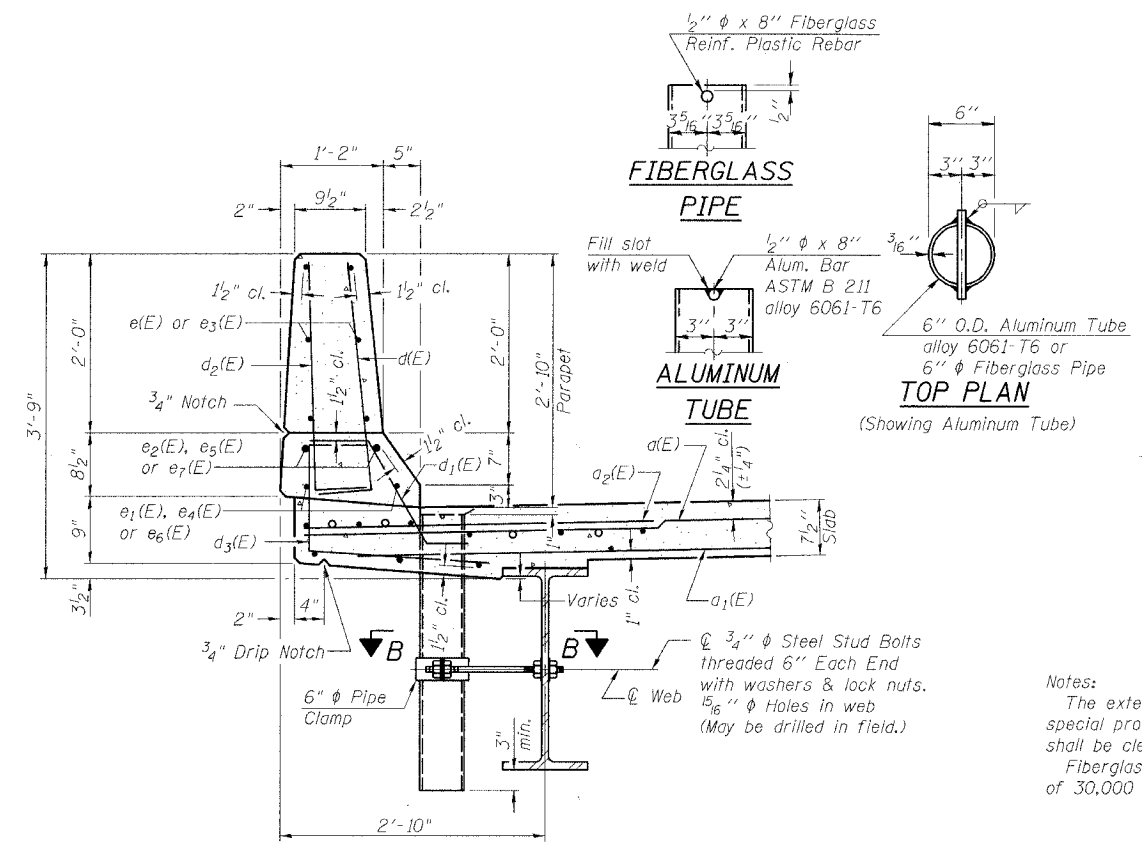
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OPERATOR = michaell

S-1-D 8-02-04

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAS 583	SECTION *	COUNTY SCHUYLER	SHEET NO. 56	SHEET NO. 29	SHEET NO. 10 26 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

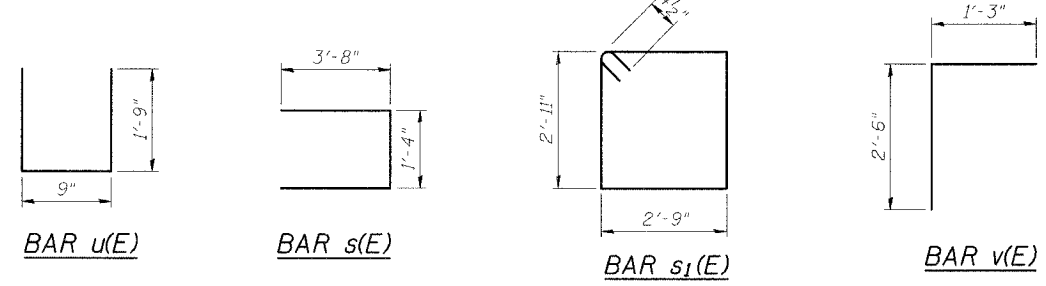
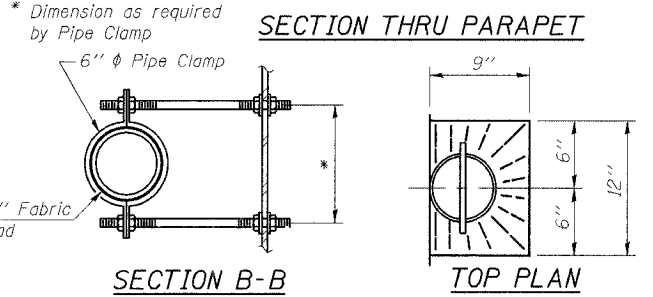
* 02-00067-00-BR
Contract #



**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	682	#5	14'-1"	—
a1(E)	546	#5	13'-7"	—
a2(E)	680	#6	4'-6"	—
a3(E)	682	#5	18'-1"	—
a4(E)	546	#5	17'-7"	—
b(E)	612	#5	28'-5"	—
b1(E)	496	#5	30'-3"	—
b2(E)	66	#6	45'-0"	—
b3(E)	66	#6	44'-6"	—
c(E)	994	#5	3'-0"	—
d1(E)	982	#5	2'-5"	—
d2(E)	994	#4	3'-0"	—
d3(E)	994	#4	3'-6"	—
d4(E)	12	#5	2'-4"	—
e(E)	240	#4	17'-6"	—
e1(E)	24	#5	25'-0"	—
e2(E)	16	#8	37'-4"	—
e3(E)	96	#4	12'-2"	—
e4(E)	32	#5	12'-2"	—
e5(E)	32	#8	12'-2"	—
e6(E)	36	#5	24'-8"	—
e7(E)	24	#8	37'-3"	—
m(E)	24	#6	14'-7"	—
m1(E)	24	#6	18'-9"	—
m2(E)	16	#6	5'-4"	—
m3(E)	8	#6	2'-4"	—
m4(E)	4	#6	4'-9"	—
s(E)	72	#5	8'-8"	—
s1(E)	62	#4	12'-1"	—
u(E)	66	#5	4'-3"	—
v(E)	62	#5	3'-9"	—
Reinforcement Bars, Epoxy Coated		Pound	111,460	
Concrete Superstructure		Cu. Yds.	496.0	

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SPI prior to painting.
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS
FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. _____
HORIZ. _____
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
REGISTERED IN ILLINOIS
NO. 02157-0001
OFFICE: 1000 N. WASHINGTON ST., SPRINGFIELD, ILL. 62761-1000
PHONE: 217-223-1111 FAX: 217-223-1112

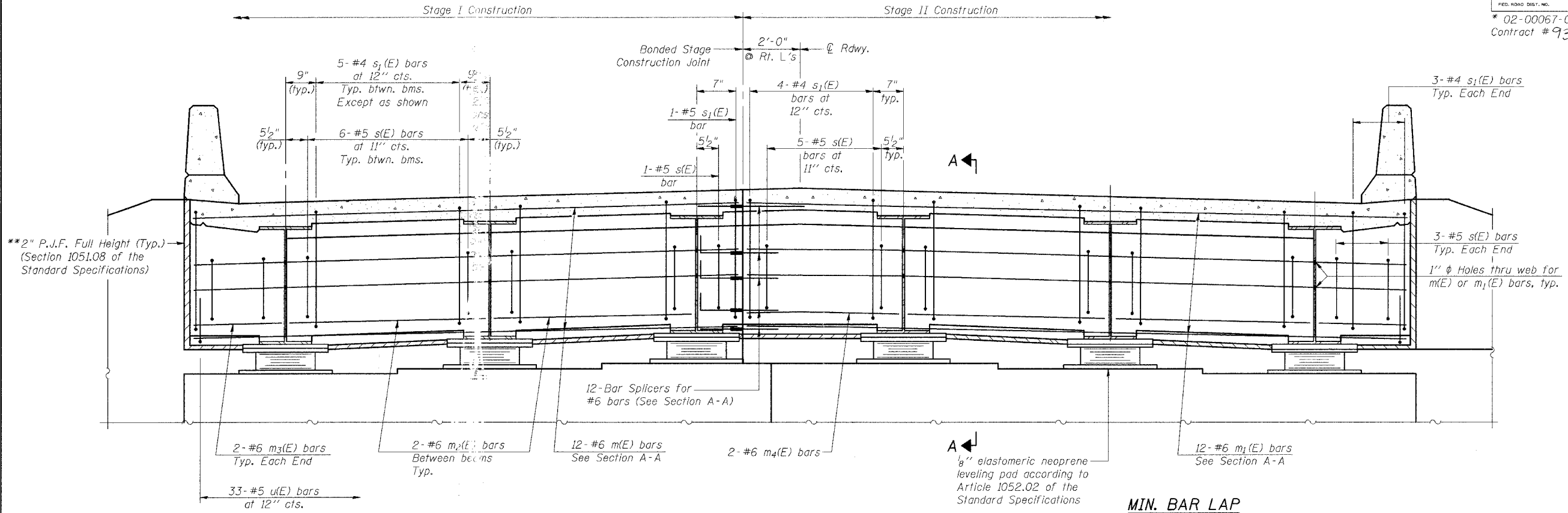
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PROJECT 02157
6/2/06-MML

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OPERATOR = michellei

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11
FAS 583	*	SCHUYLER	56	30	26 SHEETS
FED. ROAD DIST. NO.	ILL. DIST.	FED. AID PROJECT			

* 02-00067-00-BR
Contract # 93425



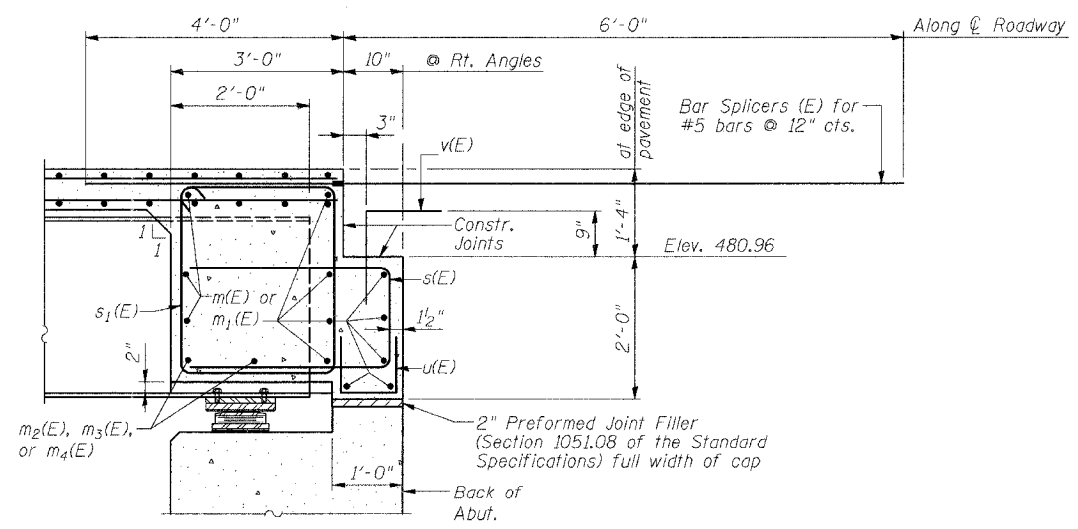
DIAPHRAGM ELEVATION AT EAST ABUTMENT

(Looking East)
(West Abutment similar)

MIN. BAR LAP
#5 bar = 1'-8"
#6 bar = 2'-9"

**Provide items ② ③ & ④ as shown in Section thru Semi-Integral Abutment on Sheet 2 of 26 behind 2" P.J.F. which separates the abutment diaphragm from the wingwall. Cost included with Concrete Superstructure.

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 10 of 26.
Concrete in diaphragm is included with Concrete Superstructure on sheet 10 of 26.
For details of bars s(E) & s1(E) see sheet 10 of 26.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars are shown at right angles to the beams.
For anchor bolt details see sheet 20 of 26.



SECTION A-A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIAPHRAGM DETAILS
FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. _____
HORIZ. _____
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
SN0853054_DD

PROJECT 02157
9/25/06-NMIL

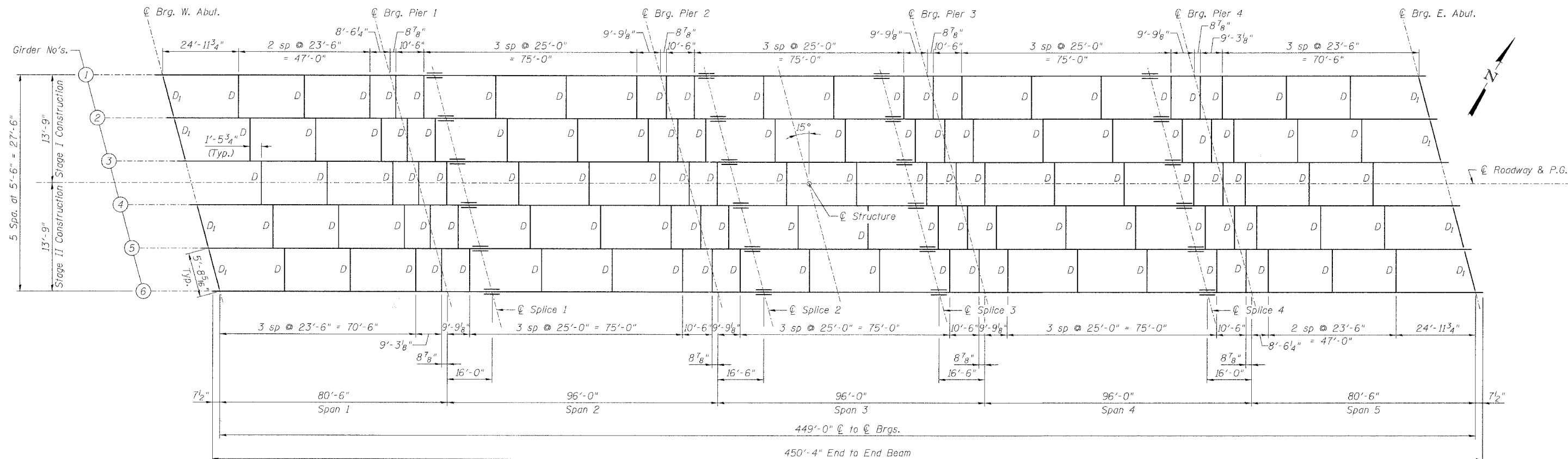
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OPERATOR = mschell@

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. FAS 583	SECTION *	COUNTY SCHUYLER	TOTAL SHEETS 56	SHEET NO. 31
-------------------------	--------------	--------------------	--------------------	-----------------

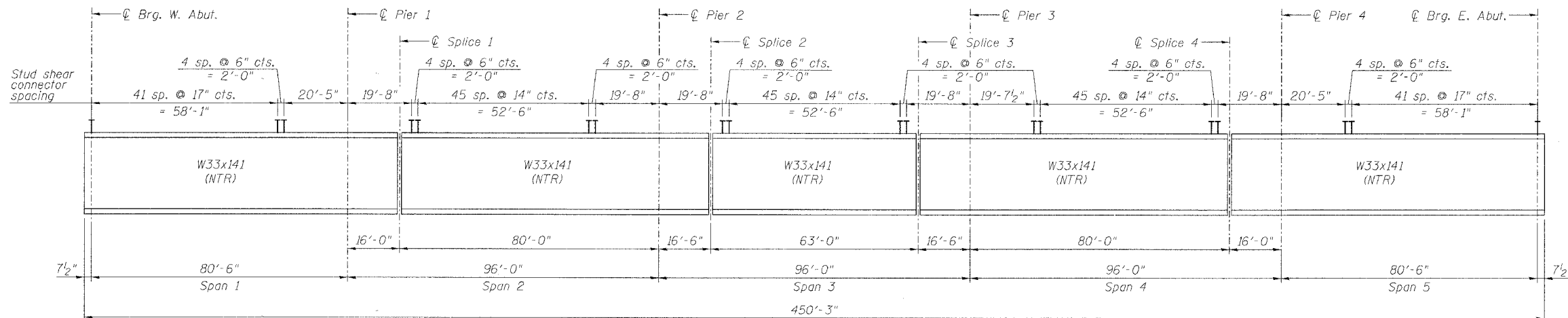
SHEET NO. 12
26 SHEETS

* 02-00067-00-BR
Contract #



FRAMING PLAN

(All beams W33x141 - M270 Gr. 50)
(NTR denotes members to which notch toughness requirements are applicable)



ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION

FRAMING PLAN

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

REVISIONS	
NAME	DATE

SCALE: VERT. DRAWN BY: LANDREY
 HORIZ. DESIGNED BY: MATHUR
 DATE: 6/7/05 CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD

CONSULTING ENGINEER
REGISTERED PROFESSIONAL ENGINEER
NO. 085-3054

COMPUTER FILE NO.
SN0853054_FRP

PROJECT 02157
6/2/06-MML

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAS 583	*	SCHUYLER	56	32
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 02-00067-00-BR
Contract # 93425

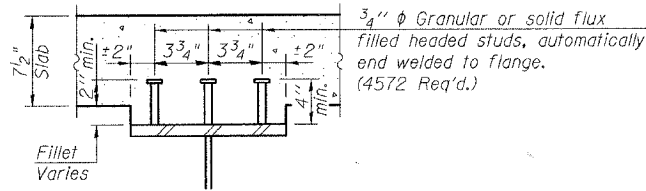
TOP OF BEAM ELEVATIONS*

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
⊕ Bearing West Abut.	481.607	481.728	481.834	481.853	481.787	481.707
⊕ Bearing Pier 1	482.444	482.557	482.657	482.669	482.595	482.508
⊕ Splice 1	482.610	482.722	482.820	482.831	482.756	482.667
⊕ Bearing Pier 2	483.017	483.122	482.212	483.216	483.134	483.038
⊕ Splice 2	483.101	483.204	483.293	483.296	483.212	483.115
⊕ Splice 3	483.115	483.212	483.296	483.293	483.204	483.101
⊕ Bearing Pier 3	483.038	483.134	483.216	483.212	483.122	483.017
⊕ Splice 4	482.667	482.756	482.831	482.820	482.722	482.610
⊕ Bearing Pier 4	482.508	482.595	482.669	482.657	482.557	482.444
⊕ Bearing East Abut.	481.707	481.787	481.853	481.834	481.728	481.607

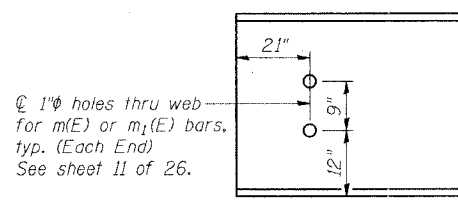
*For fabrication use only

	0.4 Sp. 2 0.6 Sp. 5	Pier 1 or Pier 4	0.5 Sp. 2 0.5 Sp. 4	0.5 Sp. 3	Pier 2 or Pier 3
I_s (in ⁴)	7450	7450	7450	7450	7450
I_c (n) (in ⁴)	19,068		19,068	19,068	
I_c (sn) (in ⁴)	13,811		13,811	13,811	
S_s (in ³)	448	448	448	448	448
S_c (n) (in ³)	655		655	655	
S_c (sn) (in ³)	591		591	591	
Z (in ³)		514			514
ϕ (k/ft.)	0.691	1.09	0.691	0.691	1.09
$M\phi$ (k)	319	804	260	268	789
$s\phi$ (k/ft.)	0.399		0.399	0.399	
$Ms\phi$ (k)	206		198	197	
$M\phi$ (k)	500	330	534	533	352
M (Imp) (k)	122	77	121	121	80
$S_3[M\phi + M(\text{Imp})]$ (k)	1036	678	1092	1090	719
M_a (k)	2029	1927	2014	2021	1960
M_u (k)	3054	2142	3054	3054	2142
$f_s\phi$ non-comp (k.s.i.)	8.5	21.5	7.0	7.2	21.1
$f_s\phi$ (comp) (k.s.i.)	4.2		4.0	4.0	
$f_s S_3(\phi + \text{Imp})$ (k.s.i.)	19.0	18.2	20.0	20.0	19.3
f_s (Overload) (k.s.i.)	31.7	39.7	31.0	31.1	40.4
f_s (Total) (k.s.i.)					
VR (k)	41.9		35.8	35.8	

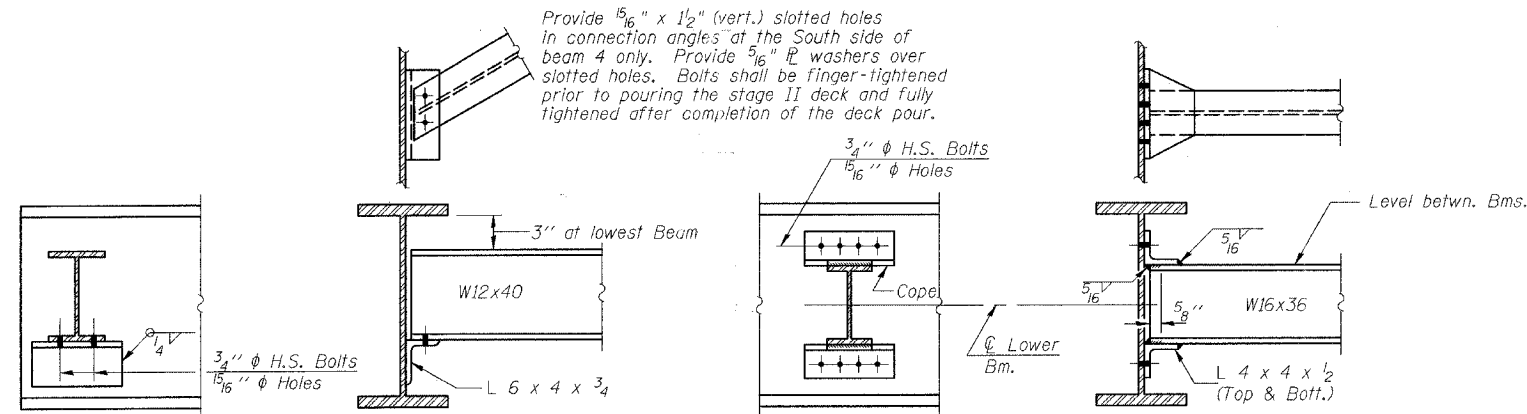
	Abutments	Piers 1 & 4	Piers 2 & 3
$R\phi$ (k)	55.1	109.2	107.2
$R\phi$ (k)	31.2	45.5	47.0
Imp. (k)	7.6	10.6	10.6
R (Total) (k)	93.9	165.3	164.8



SECTION THRU TOP FLANGE



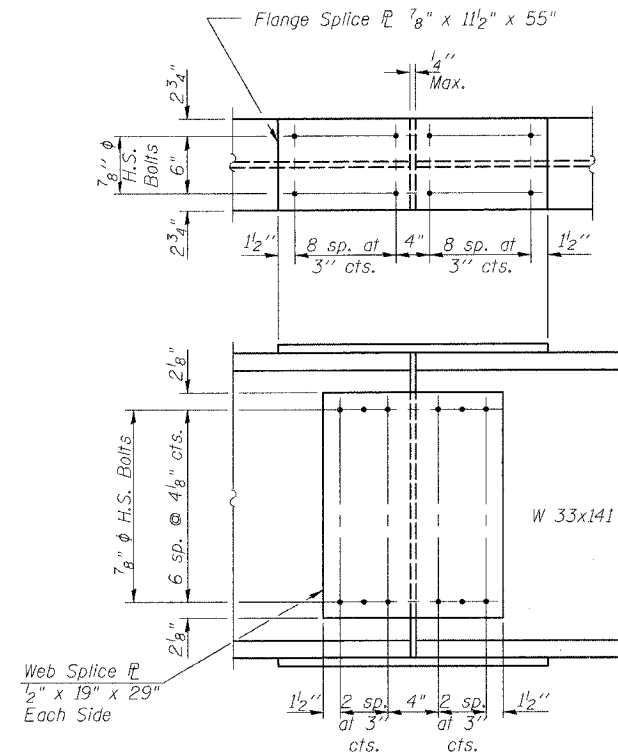
END OF BEAM ELEVATION



DIAPHRAGM D1
8 Required

DIAPHRAGM D
115 Required

Note:
Two hardened washers shall be required over all oversize holes for diaphragms.



SPlice 1, 2, 3 & 4
24 Required

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. DATE: 6/7/05	DRAWN BY: LANDREY DESIGNED BY: MATHUR CHECKED BY: TRELLO	COMPUTER FILE NO. SN0853054.BMD
GREENE & BRADFORD, INC. OF SPRINGFIELD	PROJECT 02157	10/27/06-MML

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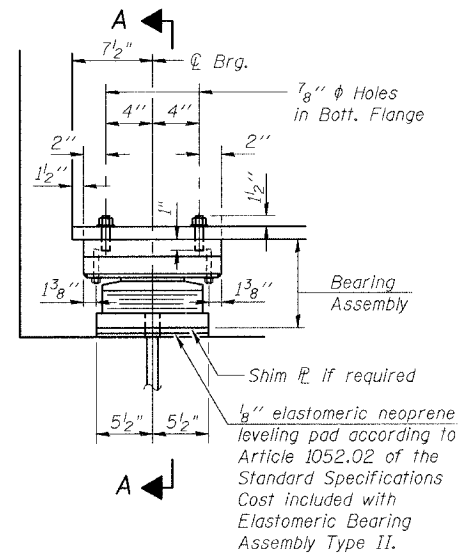
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10-22-04

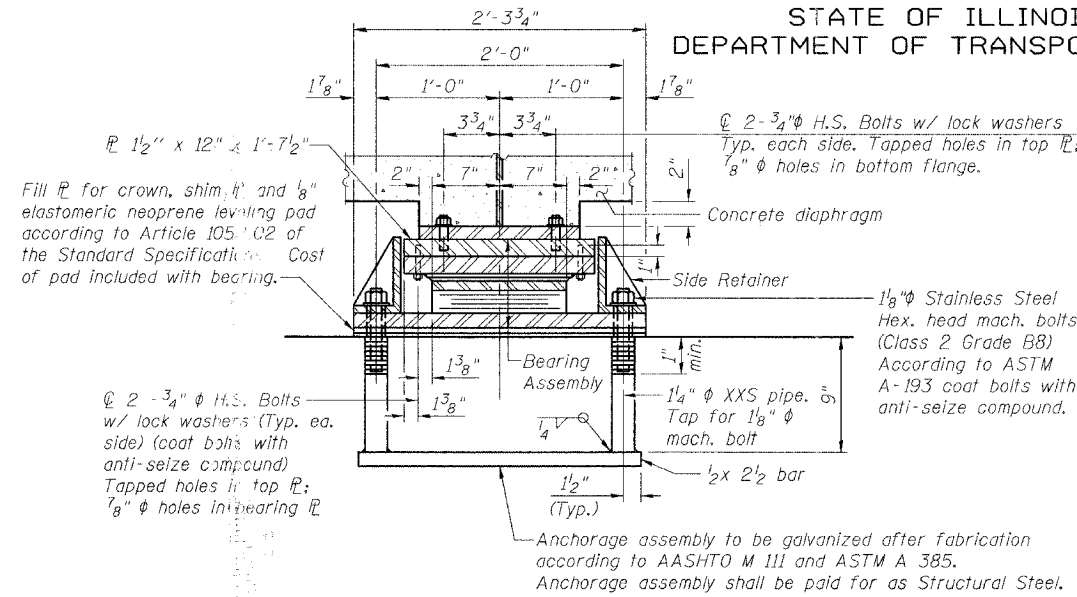
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 14
FAS 583	*	SCHUYLER	56	33	26 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

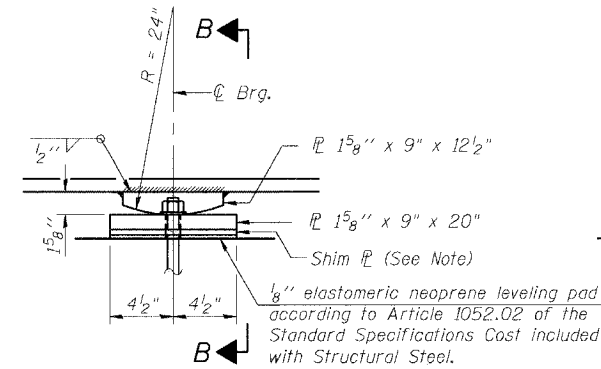
* 02-00067-00-BR
Contract # 93425



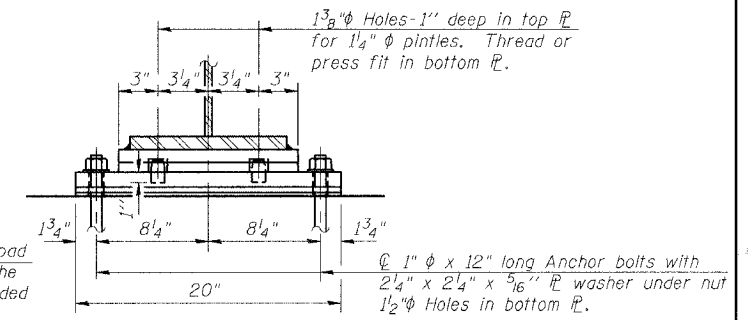
ELEVATION AT ABUT.



SECTION A-A



ELEVATION AT PIER



SECTION B-B

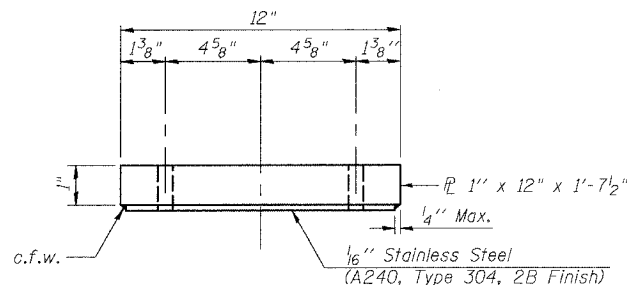
FIXED BEARING
24 - Required

Note:
1/8" x 9" x 20" Shim plate at
Beam 4 - Pier 1 and
Beam 3 - Pier 4.

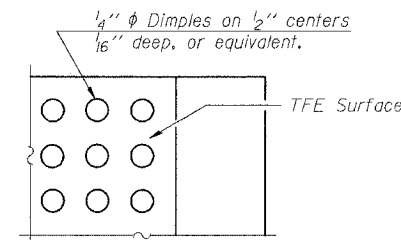
TYPE II ELASTOMERIC EXP. BRG.

12 - Required

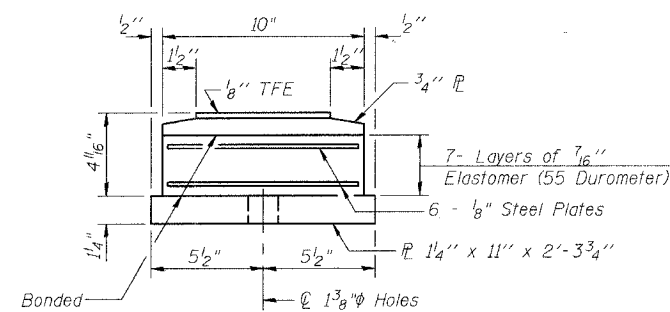
Notes:
See Sheet 20 of 26 for Anchor
Bolt installation.



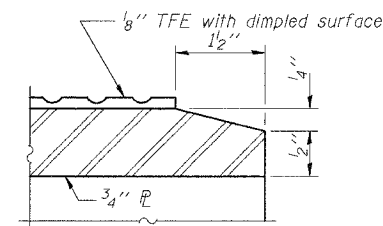
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE

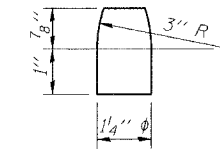


BOTTOM BEARING ASSEMBLY

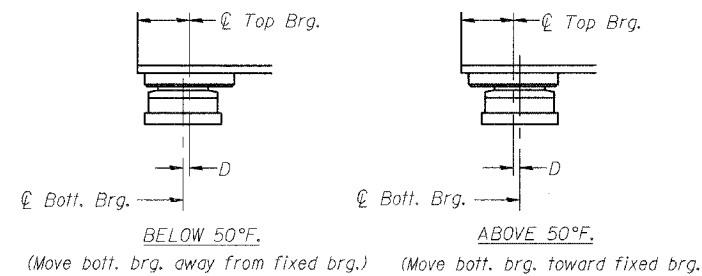


SECTION THRU TFE

Notes:
The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces. Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



PINTLE



SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12

ILLINOIS DEPARTMENT OF TRANSPORTATION

BEARING DETAILS

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. HORIZ. DATE: 6/7/05	DRAWN BY: LANDREY DESIGNED BY: MATHUR CHECKED BY: TRELLO	COMPUTER FILE NO. SN0820305.BRG PROJECT 02157 9/25/06-MML
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REVISIONS	
NAME	DATE



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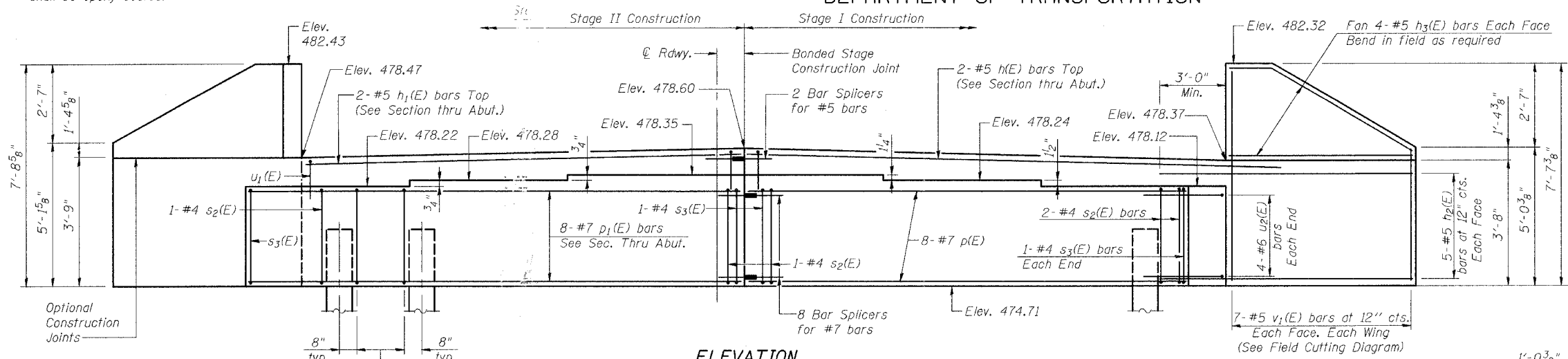
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10-22-04

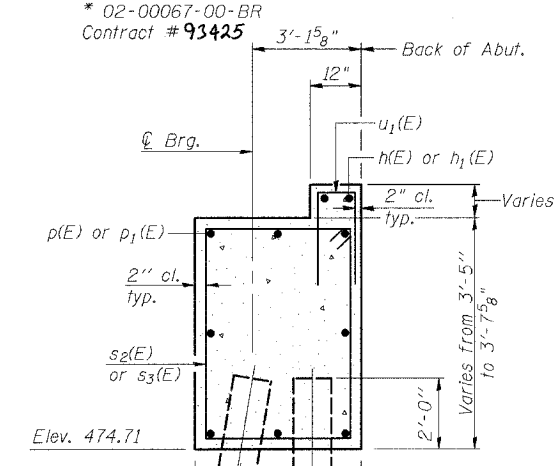
Notes: Four steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15
FAS 583	*	SCHUYLER	56	34	26 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



ELEVATION
(Looking West)



SEC. THRU ABUT.

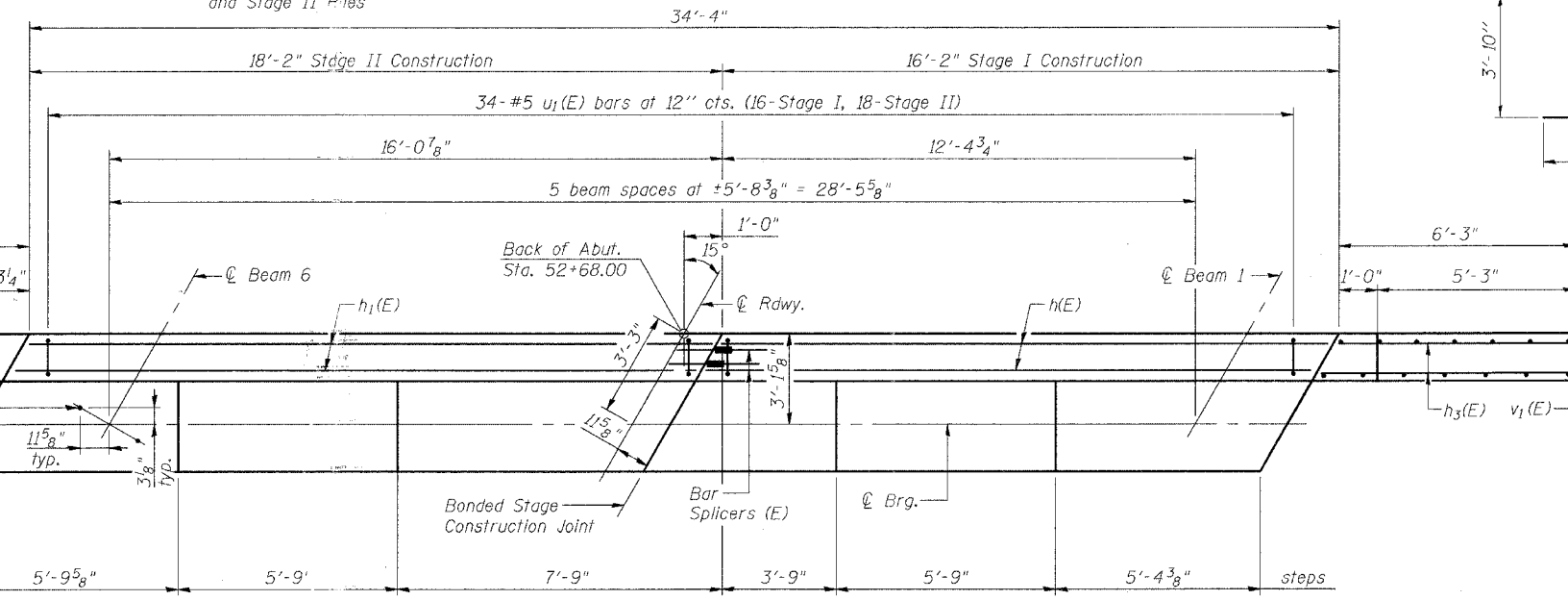
**WEST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	2	#5	15'-10"	—
h1(E)	2	#5	17'-10"	—
h2(E)	20	#5	9'-0"	—
h3(E)	16	#5	6'-0"	—
p(E)	8	#7	15'-10"	—
p1(E)	8	#7	17'-10"	—
s2(E)	32	#4	14'-11"	□
s3(E)	4	#4	15'-3"	□
u1(E)	34	#5	4'-8"	□
u2(E)	8	#6	12'-5"	□
v1(E)	14	#5	12'-1"	—

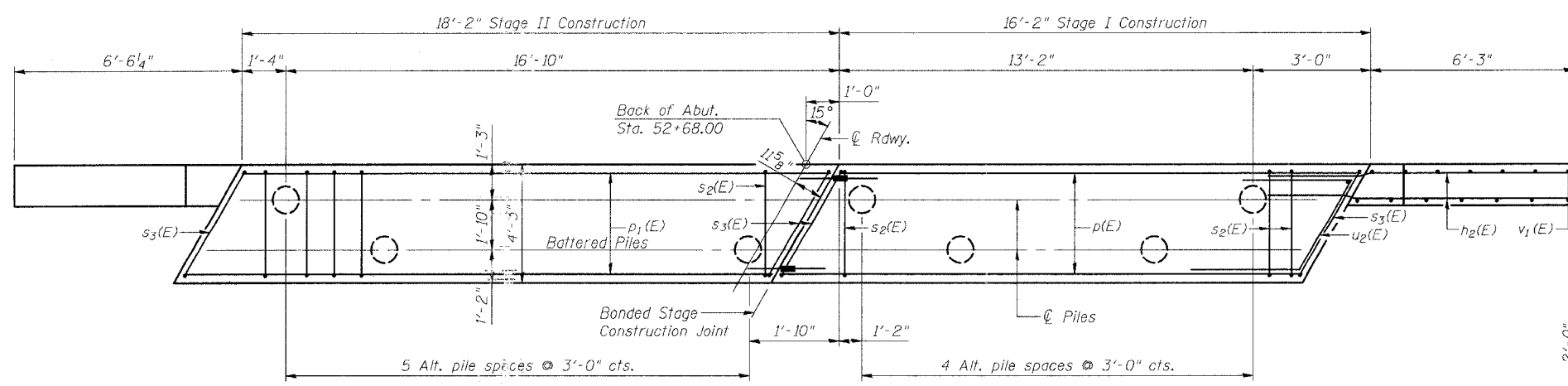
Concrete Structures	Cu. Yd.	23.3
Reinforcement Bars, Epoxy Coated	Pound	1770
Structure Excavation	Cu. Yd.	38
Furnishing Metal Pile Shells, 12"	Foot	650
Driving and Filling Shells	Foot	650
Test Pile Metal Shells	Each	1

PILE DATA

Type: 12" ϕ Metal Shell w/ 1/4" walls
Capacity: 55 Tons
Est. Length: 65 feet
No. Required: 10 + 1 Test pile



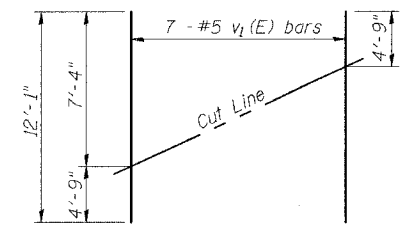
PLAN
(Top View)



PLAN
(Showing Pile Cap)

BAR u2(E)

BARS s2(E) & s3(E)



FIELD CUTTING DIAGRAM

Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BAR u1(E)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-0067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. DRAWN BY: LANDREY
HORIZ. DESIGNED BY: MATHUR
DATE: 6/7/05 CHECKED BY: TRELLO

GREENE & BRADFORD, INC. OF SPRINGFIELD	COMPUTER FILE NO. SN0853054.WAB
PROJECT 02157	10/2/06-MML

FILE NAME = I:\PROJECTS\DRAWINGS\SN085-3054\SN0853054.WAB.dgn
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PLOT DATE = 10/22/2006
PLOT TIME = 15:05:51 PM
OPERATOR = MICHAEL B.

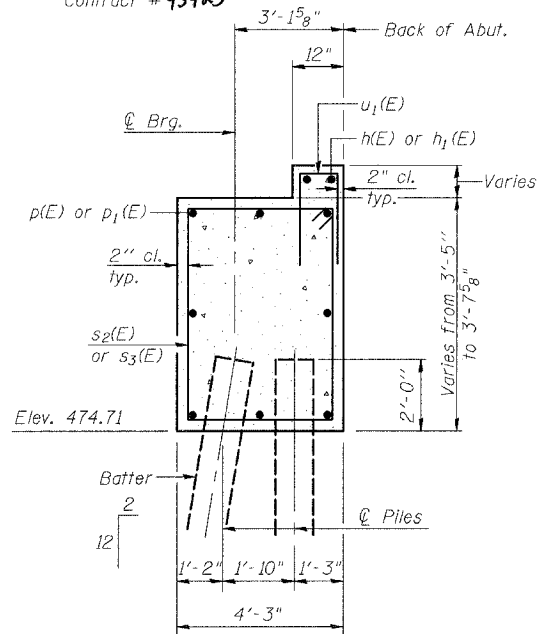
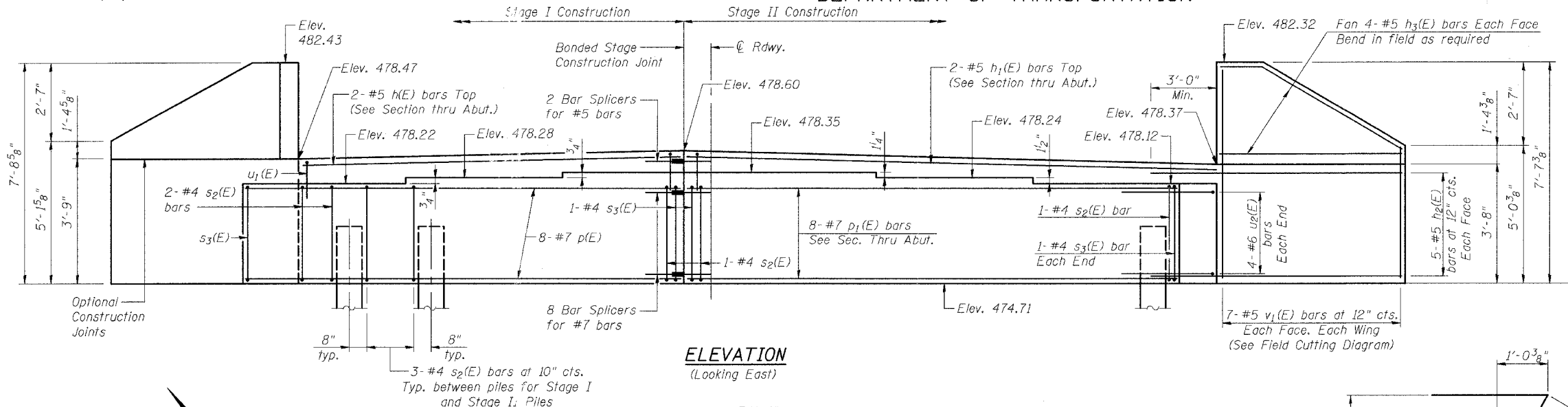
Notes: Pour steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAS 583	*	SCHUYLER	56	35
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 16
26 SHEETS

* 02-00067-00-BR
Contract # 93425

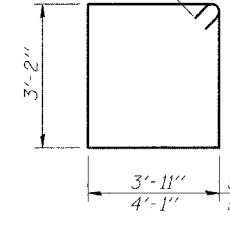


EAST ABUTMENT
BILL OF MATERIAL

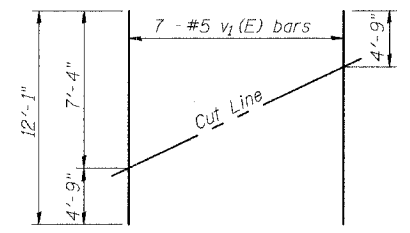
Bar No.	Size	Length	Shape
h(E)	2 #5	15'-10"	—
h1(E)	2 #5	17'-10"	—
h2(E)	20 #5	9'-0"	—
h3(E)	16 #5	6'-0"	—
p(E)	8 #7	15'-10"	—
p1(E)	8 #7	17'-10"	—
s2(E)	32 #4	14'-11"	□
s3(E)	4 #4	15'-3"	□
u1(E)	34 #5	4'-8"	□
u2(E)	8 #6	12'-5"	□
v1(E)	14 #5	12'-1"	—

Concrete Structures	Cu. Yd.	23.3
Reinforcement Bars, Epoxy Coated	Pound	1770
Structure Excavation	Cu. Yd.	38
Furnishing Metal Pile Shells, 12"	Foot	650
Driving and Filling Shells	Foot	650
Test Pile Metal Shells	Each	1

BAR u2(E)



BARS s2(E) & s3(E)

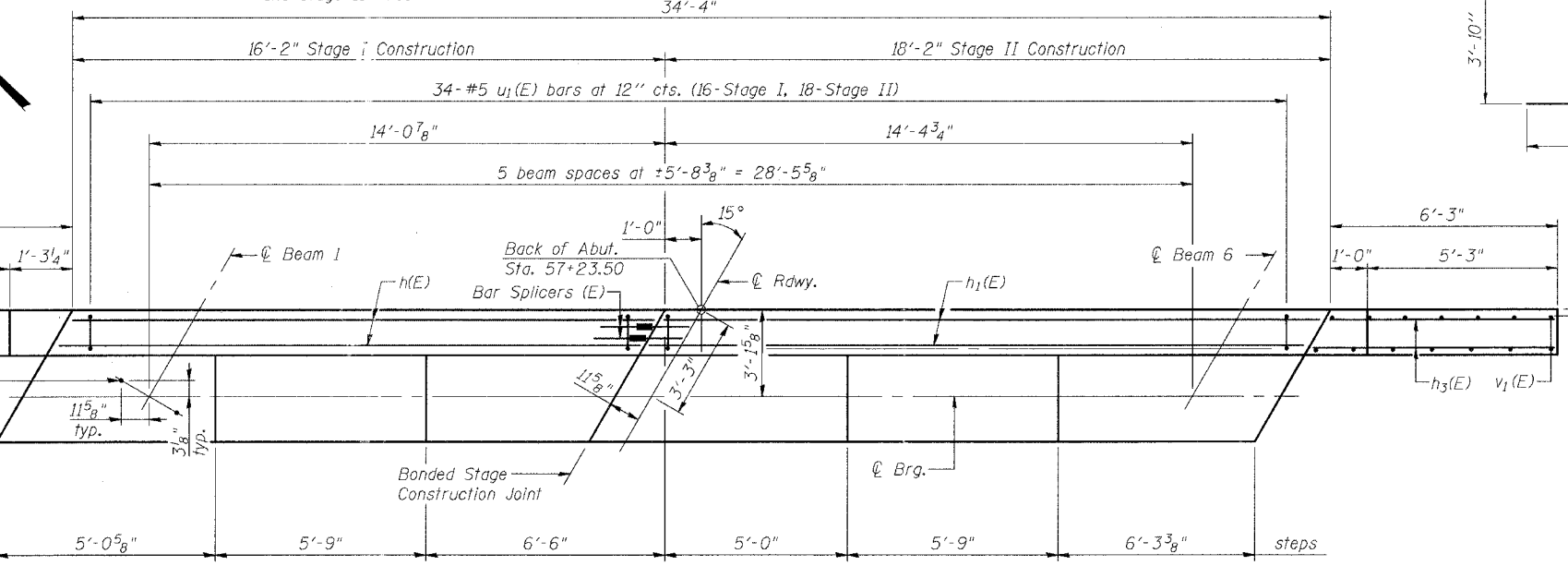


FIELD CUTTING DIAGRAM

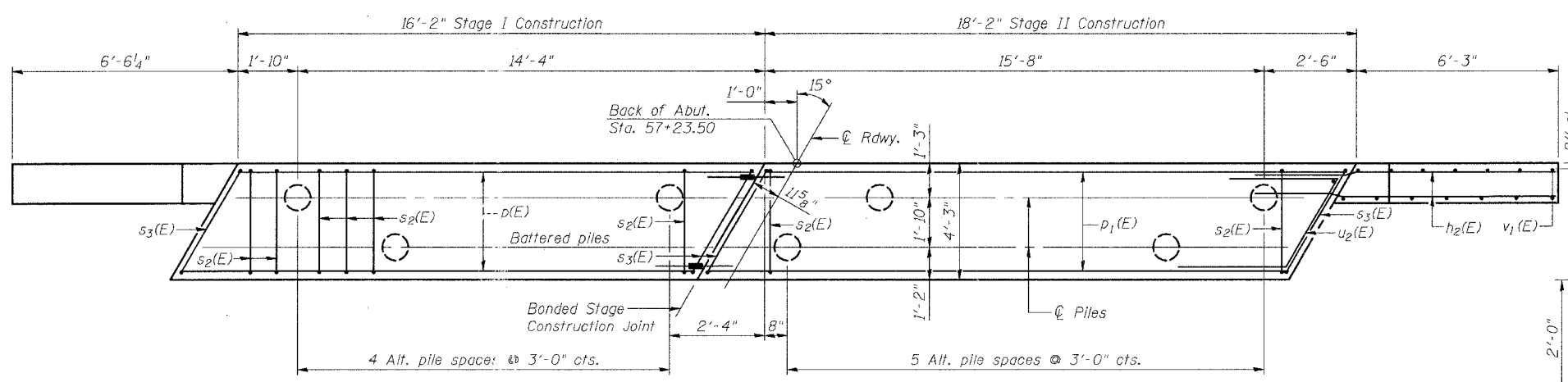
Order v1(E) more full length. Cut as shown and use remainder of bars in opposite face.

PILE DATA

Type: 12" ϕ Metal Shell w/ 1/4" walls
Capacity: 55 Tons
Est. Length: 65 feet
No. Required: 10 + 1 Test pile

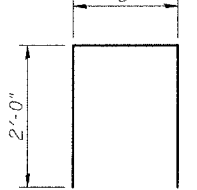


PLAN (Top View)



PLAN (Showing Pile Cap)

BAR u1(E)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+35.75
S.N. 085-3054

SCALE: VERT. 1"=10'
HORIZ. 1"=20'
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

COMPUTER FILE NO.
SN0853054.EAB
PROJECT 02157
10/2/06-MML

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
2000 N. WILSON AVENUE
CHICAGO, ILLINOIS 60642
PROFESSIONAL ENGINEER LICENSE NO. 021-000001
ILLINOIS PROFESSIONAL ENGINEERING BOARD

FILE NAME: I:\PROJECTS\DRAWINGS\3054-SNOBES\3054_EAB.dgn
PLOT SCALE: 1/8"=1'-0"
PLOT DATE: 10/2/2006
PLOT TIME: 15:03:31 PM
OPERATOR: michelle

AI-R 10-22-04

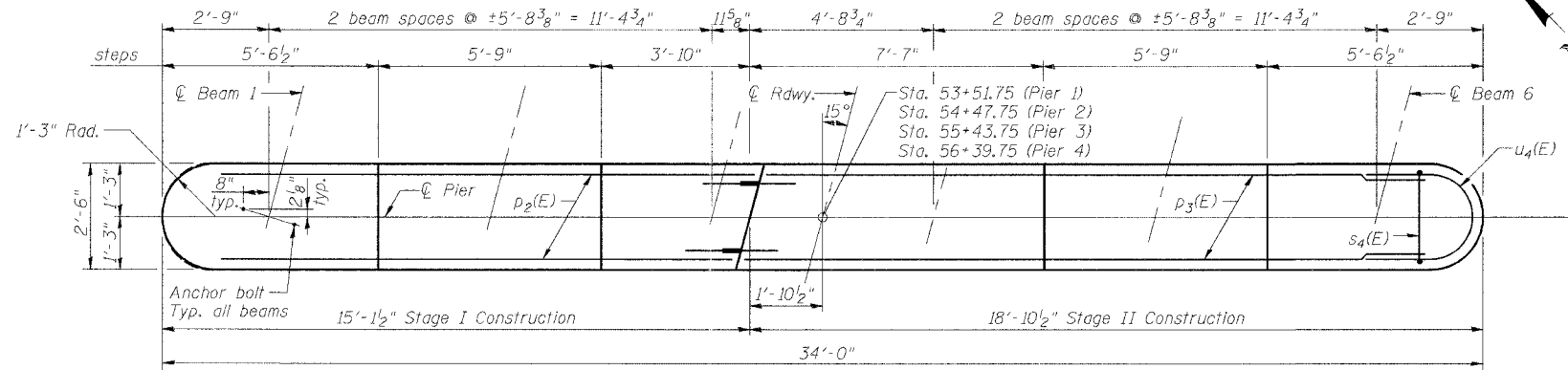
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET NO.	SHEET NO. 17 26 SHEETS
FAS 583	*	SCHUYLER	56	36	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		
* 02-00067-00-BR Contract # 888428					

Notes:
Space reinforcement in cap to miss anchor bolts.
Four steps monolithically with cap.

PILE DATA

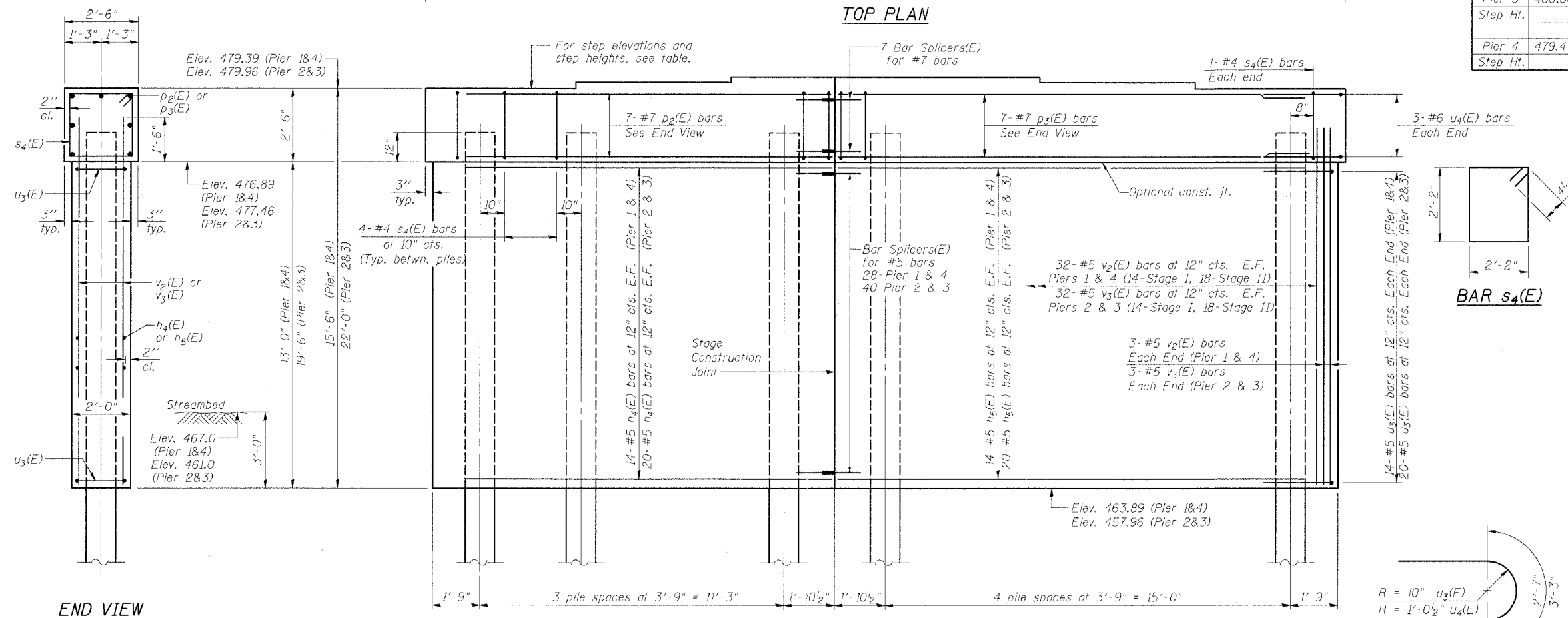
Type: 12" Metal Shell with 1/4" walls
Capacity: 55 Tons piers 1, & 4;
60 Tons piers 2, & 3;
Est. Length: 65' - Pier 1, Pier 2, Pier 3, & Pier 4;
No. Req'd: 8 + 1 Test pile (Pier 1)
9 (Pier 2)
8 + 1 Test pile (Pier 3)
9 (Pier 4)



SEAT ELEVATIONS AND STEP HEIGHTS

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
Pier 1	479.39	479.52	479.62	479.62	479.56	479.47
Step Ht.		1 5/8"	1 1/4"	3/4"	1 1/8"	
Pier 2	479.98	480.09	480.18	480.18	480.10	480.00
Step Ht.		1 1/4"	1 1/8"	7/8"	1 1/4"	
Pier 3	480.00	480.10	480.18	480.18	480.09	479.98
Step Ht.		1 1/4"	7/8"	1 1/8"	1 1/4"	
Pier 4	479.47	479.56	479.62	479.62	479.52	479.39
Step Ht.		1 1/8"	7/8"	1 3/8"	1 5/8"	

TOP PLAN



END VIEW

ELEVATION
(Looking East)

**FOUR PIERS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
h4(E)	136	#5	13'-7"	—	
h5(E)	136	#5	17'-4"	—	
p2(E)	28	#7	13'-6"	—	
p3(E)	28	#7	17'-3"	—	
s4(E)	136	#4	9'-5"	□	
u3(E)	136	#5	8'-7"	U	
u4(E)	24	#6	10'-5"	U	
v2(E)	140	#5	14'-6"	—	
v3(E)	140	#5	21'-0"	—	
Concrete Structures				Cu. Yd.	172.1
Reinforcement Bars, Epoxy Coated				Pound	13,780
Furnishing Metal Pile Shells, 12"				Foot	2210
Structure Excavation				Cu. Yd.	100
Driving and Filling Shells				Foot	2210
Test Pile Metal Shells				Each	2
Underwater Structure Excavation Protection (Location 1)				Each	1
Underwater Structure Excavation Protection (Location 2)				Each	1

Reinforcement Bars designated (E) shall be epoxy coated.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIERS 1, 2, 3 & 4

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

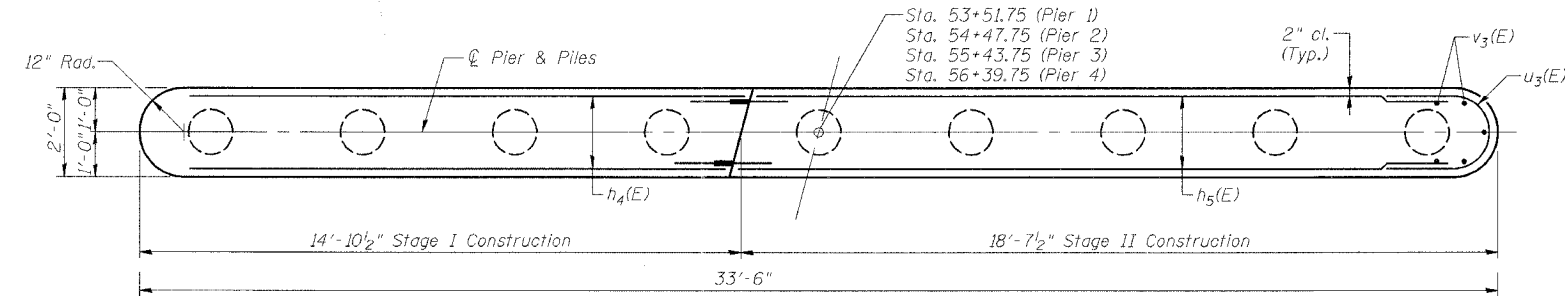
REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ.
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER
SINCE 1934

COMPUTER FILE NO.
SN0853054.PR
PROJECT 02157
6/2/06-MML



SECTION B-B

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PLOT TIME = 7:46:06 AM
OPERATOR = michelleb

PC-1

10-22-04

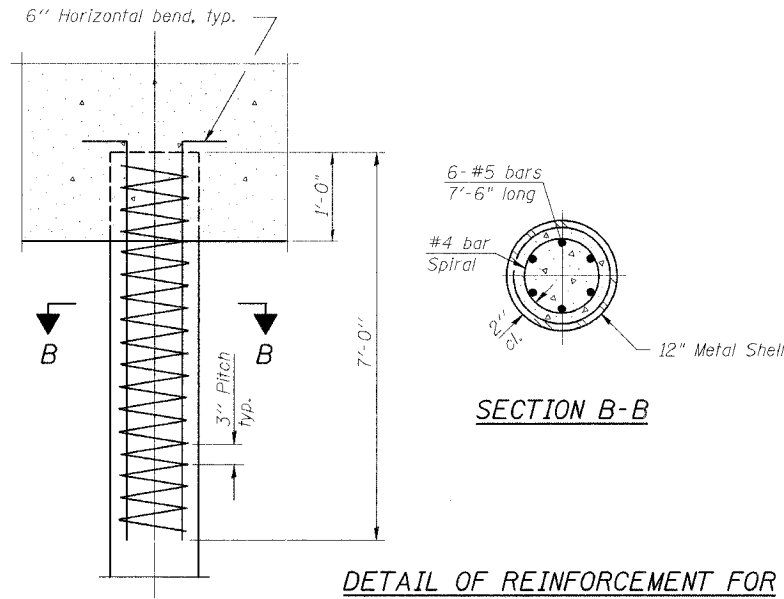
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 583	#	SCHUYLER	56	37
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

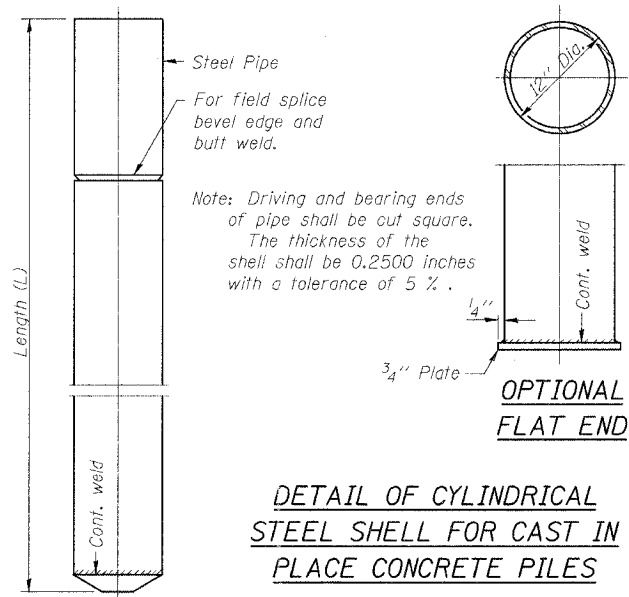
SHEET NO. 18

26 SHEETS

* 02-00067-00-BR
Contract # 03425



DETAIL OF REINFORCEMENT FOR METAL SHELLS AT ABUTMENTS



DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

Note: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.2500 inches with a tolerance of 5%.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PILE DETAILS

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. DRAWN BY: LANDREY
 HORIZ. DESIGNED BY: MATHUR
DATE: 6/7/05 CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
PROFESSIONAL ENGINEERS
REGISTERED IN THE STATE OF ILLINOIS
1200 1/2 SOUTH STATE STREET, SPRINGFIELD, ILLINOIS 62761
TEL: 217-223-8800 FAX: 217-223-8801

COMPUTER FILE NO.
SN0853054.PIL
PROJECT 02157
6/2/06-MML

FILE NAME = J:\02057\dr\dwg\ngs\sn085-3054\SN0853054_PIL.dgn
PLOT DATE = 8/10/2006
PLOT TIME = 7:45:16 AM
OPERATOR = mic'helle!

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATION	SHEET NO.	SHEET NO. 19 26 SHEETS
FAS 583	#	SCHUYLER	56	38	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

* 02-00067-00-BR
Contract # 93425

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

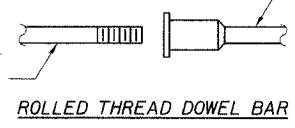
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $1.25 \times f_{s,allow} \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s,allow}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

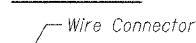
The diameter of this part is the same as the diameter of the bar spliced.



ROLLED THREAD DOWEL BAR



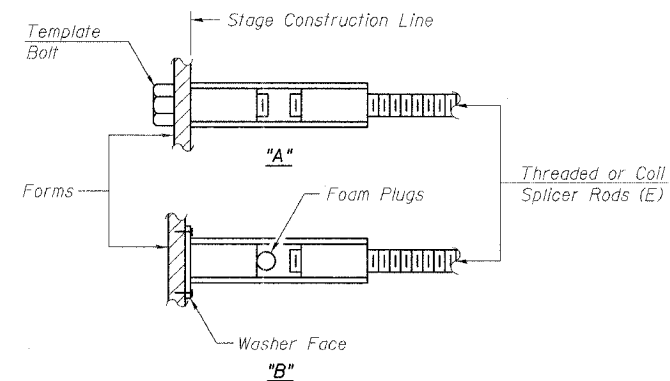
** ONE PIECE



WELDED SECTIONS

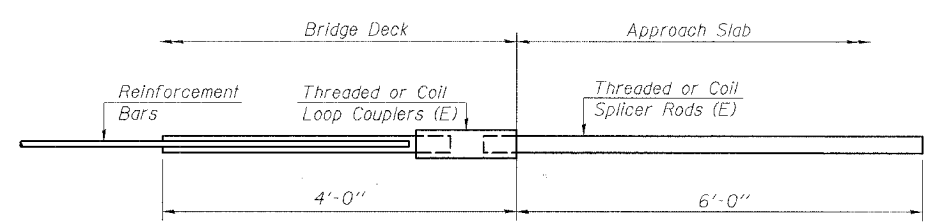
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



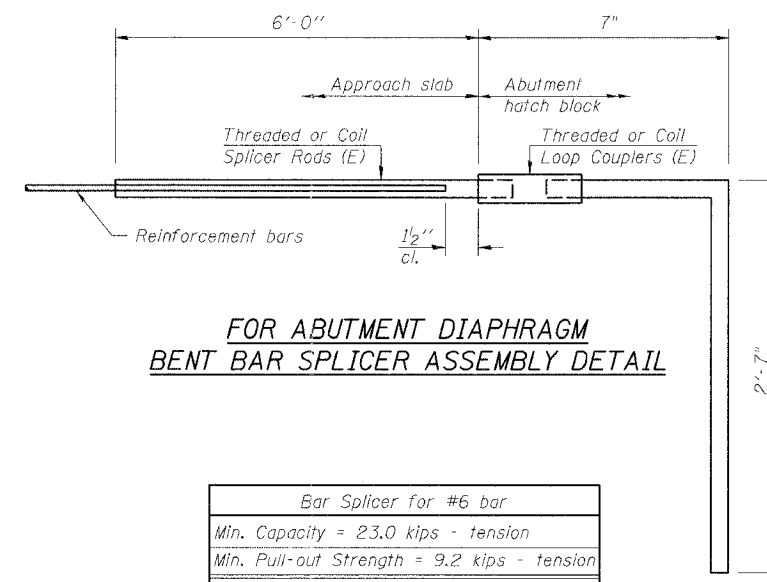
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E): Indicates epoxy coating.



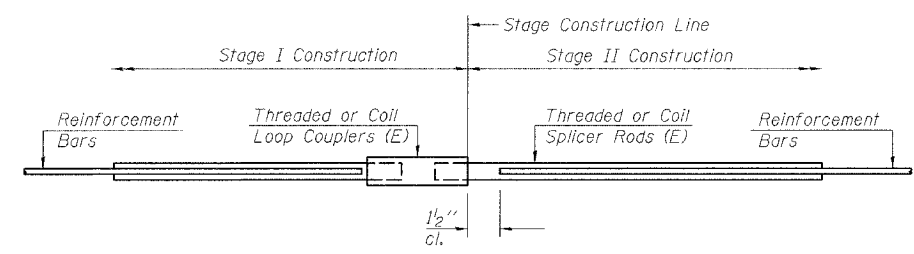
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 60



FOR ABUTMENT DIAPHRAGM BENT BAR SPLICER ASSEMBLY DETAIL

Bar Splicer for #6 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 8



STANDARD

Bar Size	No. Assemblies Required	Location
#5	1228	Deck Slab
#5	136	Pier Stem
#6	24	Diaphragm
#7	28	Pier Cap
#5	4	Abut. Cap
#7	16	Abut. Cap

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BAR SPLICER ASSEMBLY DETAILS

FAS 583 (CHS) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. HORIZ. DATE: 6/7/05
DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC. OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
COMPUTER FILE NO. SN0853054.BSD
PROJECT 02157
6/2/06-MML

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PLOT DATE = 8/10/2006
PLOT TIME = 7:46:01 AM
OPERATOR = michellel

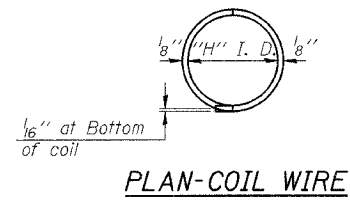
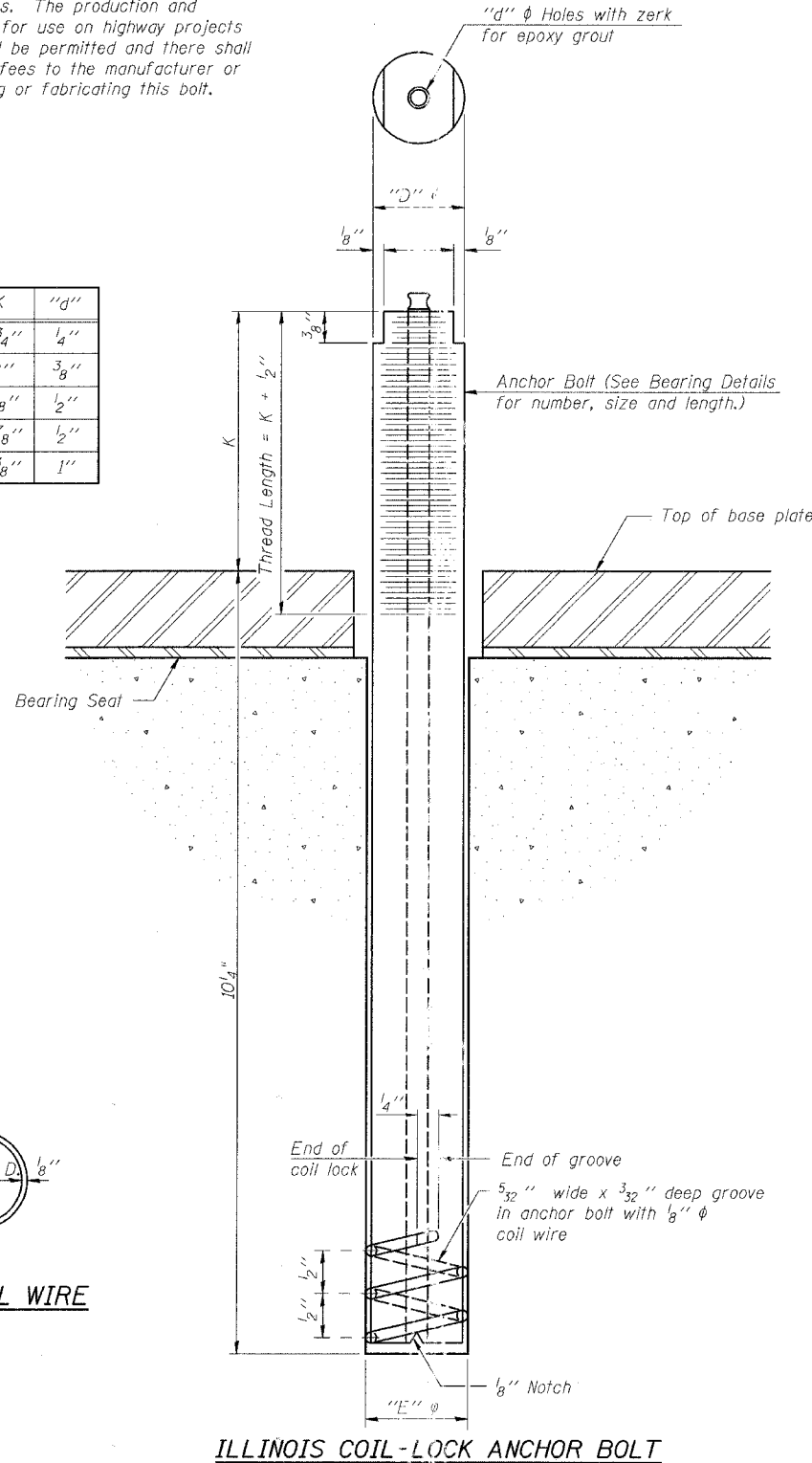
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 20
FAS 583	*	SCHUYLER	56	39	26 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT:			

* 02-00067-00-BR
Contract # 93A25

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

D	E	H	K	"d"
1"	1 1/8"	1 3/16"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/16"	2"	3/8"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 13/16"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.

The coil wire shall be made of any suitable soft steel wire.

The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.

The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
Piers	A325

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

ILLINOIS DEPARTMENT OF TRANSPORTATION
ANCHOR BOLT DETAILS FOR BEARINGS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

REVISIONS	
NAME	DATE

SCALE: VERT.
HORIZ.
DATE: 6/7/05

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERING CORPORATION
1001 N. W. 10th St., Ft. Lauderdale, FL 33304
(954) 571-1100

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TIRELLO

COMPUTER FILE NO.
SN0853054.ABB

PROJECT 02157
9/25/06-NML

ABB-1

10-22-04

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PLOT SCALE = 0.10000
PLOT DATE = 9/25/2006
PLOT TIME = 3:33:03 PM
OPERATOR = michellel

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 583	#	SCHUYLER	56	40
SHEET NO. 21 26 SHEETS				

* 02-00067-00-BR
Contract # 93425



Illinois Department of Transportation
Division of Highways
1st District 6

SOIL BORING LOG

Page 1 of 2
Date 10/22/03

ROUTE FAS 583 (CH-5) DESCRIPTION Camden Road over Lamoine River LOGGED BY M. Tappan
SECTION 02-00067-00-BR LOCATION SW 1/4, SEC. 24, TWP. 2 N, RNG. 3 W, 4 PM
COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 085-3052
Station 303+70
BORING NO. 1 E. Abut
Station 301+60
Offset 28.0ft Lt
Ground Surface Elev. 469.9 ft

DEPTH (ft)	B	S	U	M	DESCRIPTION	DEPTH (ft)	B	S	U	M
0					Surface Water Elev. 454.4 ft	0				
0					Stream Bed Elev. 445.4 ft	0				
					Groundwater Elev.:					
					First Encounter 457.9 ft					
					Upon Completion Washed ft					
					After 24 Hrs. 463.9 ft					
0					Grey and Brown Wet LOAM (continued) 448.90	0	B			
					SAND					
					Brown Clean Medium to Coarse Grained SAND					
1										
2	0.8	25			Washed					
2	B									
0										
2	0.8	26								
2	B									
460.40										
0					Grey and Light Brown V. Moist LOAM					
1	0.4	21			Grey Medium Grained Sandy GRAVEL					
2	B				Washed					
458.90										
0					Brown Wet Dirty Medium Grained SAND					
1					Free Water					
1										
0										
1					w/ LOAM Seam					
2					Washed					
453.90										
0					Grey and Brown V. Moist SILTY CLAY					
1	0.3	30								
1	B									
451.40										
0					Grey and Brown Wet LOAM					
0	0.1	29			Brown Medium Grained Sandy GRAVEL					
20					Washed					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
1st District 6

SOIL BORING LOG

Page 2 of 2
Date 10/22/03

ROUTE FAS 583 (CH-5) DESCRIPTION Camden Road over Lamoine River LOGGED BY M. Tappan
SECTION 02-00067-00-BR LOCATION SW 1/4, SEC. 24, TWP. 2 N, RNG. 3 W, 4 PM
COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 085-3052
Station 303+70
BORING NO. 1 E. Abut
Station 301+60
Offset 28.0ft Lt
Ground Surface Elev. 469.9 ft

DEPTH (ft)	B	S	U	M	DESCRIPTION	DEPTH (ft)	B	S	U	M
0					Surface Water Elev. 454.4 ft	0				
0					Stream Bed Elev. 445.4 ft	0				
					Groundwater Elev.:					
					First Encounter 457.9 ft					
					Upon Completion Washed ft					
					After 24 Hrs. 463.9 ft					
6					SAND (continued) 409.40	6				
					Boring Completed					
3										
9					Grey Medium Grained SANDY GRAVEL					
13					Washed					
5										
15					Washed					
17					End 10/22/03					
					Start 10/23/03					
10										
17					Washed					
18										
412.40										
13					Grey Moist CLAY LOAM (Till)					
27	9.3	9			Washed					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

FILE NAME = I:\02157\Drawings\85-3054\SD0853054.L06.dgn
DATE = 8/10/2006
PLOT DATE = 7/4/06 9 AM
PLOT TIME = 7:46:09 AM
OPERATOR = michellel

SOIL BORING 085-3052 CH-5 CAMDEN ROAD OVER THE LAMOINE RIVER.GPJ DISTEMPLOT.DOT 5/13/05

SOIL BORING 085-3052 CH-5 CAMDEN ROAD OVER THE LAMOINE RIVER.GPJ DISTEMPLOT.DOT 5/13/05

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT. _____
HORIZ. _____
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

COMPUTER FILE NO.
SN0853054.L06
PROJECT 02157
6/2/06-MML

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
PROFESSIONAL SURVEYORS
PROFESSIONAL LAND SURVEYORS
PROFESSIONAL GEOTECHNICAL ENGINEERS
PROFESSIONAL & SURVEYING CORPORATION
825 1/2 BRADLEY BLVD. SPRINGFIELD, ILL. 62761-1414
TEL: 217-223-8800 FAX: 217-223-8801

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 583	*	SCHUYLER	56	45
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 26
26 SHEETS

* 02-00067-00-BR
Contract # 93425



Illinois Department of Transportation
Division of Highways
Islet District 6

SOIL BORING LOG

Page 1 of 2

Date 10/20/03

ROUTE FAS 583 (CH-5) DESCRIPTION Camden Road over Lamoine River LOGGED BY M. Tappan

SECTION 02-00067-00-BR LOCATION SW 1/4, SEC. 24, TWP. 2 N, RNG. 3 W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 085-3052
Station 305+70
BORING NO. 6 W. Abut
Station 305+84
Offset 40.0ft Lt
Ground Surface Elev. 468.1 ft

DEPTH (ft)	BLOWS	UCS	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS	MOISTURE (%)
0				Greyish Brown Moist SILT LOAM (Fill)	0			
2					5			
3				Brown Medium Grained SAND	1			
3	1.1	16			3			
3	S-10			Grey Medium to Coarse Grained SAND Washed	4			
462.10					1			
0				Greyish Brown V. Moist LOAM	2			
1	0.2	24			2			
1	B				3			
0				Wet LOAM to SAND LOAM	2			
0	0.0	25			5			
0	Slump			Grey Medium Grained Sandy GRAVEL Washed	8			
457.10					0			
0				SAND	2			
0				Brown Wet Dirty Fine Grained SAND	5			
1				Free Water	5			
0					5			
0				Brown Fine Grained SAND	5			
1					5			
0				Washed	5			
1					5			
0				Washed	5			
1					5			
1				Medium Grained	21			
2					12			
3				Washed	12			
20					40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Islet District 6

SOIL BORING LOG

Page 2 of 2

Date 10/20/03

ROUTE FAS 583 (CH-5) DESCRIPTION Camden Road over Lamoine River LOGGED BY M. Tappan

SECTION 02-00067-00-BR LOCATION SW 1/4, SEC. 24, TWP. 2 N, RNG. 3 W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 085-3052
Station 305+70
BORING NO. 6 W. Abut
Station 305+84
Offset 40.0ft Lt
Ground Surface Elev. 468.1 ft

DEPTH (ft)	BLOWS	UCS	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS	MOISTURE (%)
0				SAND (continued)	14			
1					23			
3				Brown Medium Grained SAND				
4								
13				Washed	404.10			
13				Grey Moist CLAY LOAM (Till) (continued)				
15								
15				Olive Grey Fine Grained SAND Washed	9			
402.10					42			
0				Greyish Brown V. Moist LOAM	58			
1	1.1	16			5"			
1	S-10			Grey Moist CLAY LOAM (Till) w/ 3" Fine Grained SAND Seam Washed				
0					402.10			
0				Wet LOAM to SAND LOAM				
0	0.0	25						
0	Slump			Grey Medium Grained Sandy GRAVEL Washed	7			
457.10					12	4.2	16	
0				SAND	25			
0				Brown Wet Dirty Fine Grained SAND				
1				Free Water				
0					397.60			
0				Brown Fine Grained SAND				
1								
0				Washed				
1								
1				Medium Grained				
2								
3				Washed				
20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

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PLOT TIME = 7:46:12 AM
OPERATOR = michellel

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Latitude Longitude

SOIL BORING 085-3052 CH-5 CAMDEN ROAD OVER THE LAMOINE RIVER.DPJ DATEPLOT.DOT 5/13/05
Latitude Longitude

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS

FAS 583 (CH5) OVER LAMOINE RIVER
SECTION 02-00067-00-BR
SCHUYLER COUNTY
STATION 54+95.75
S.N. 085-3054

SCALE: VERT.
HORIZ.
DATE: 6/7/05

DRAWN BY: LANDREY
DESIGNED BY: MATHUR
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
SNO853054.LOG

PROJECT 02157
6/2/06-MML

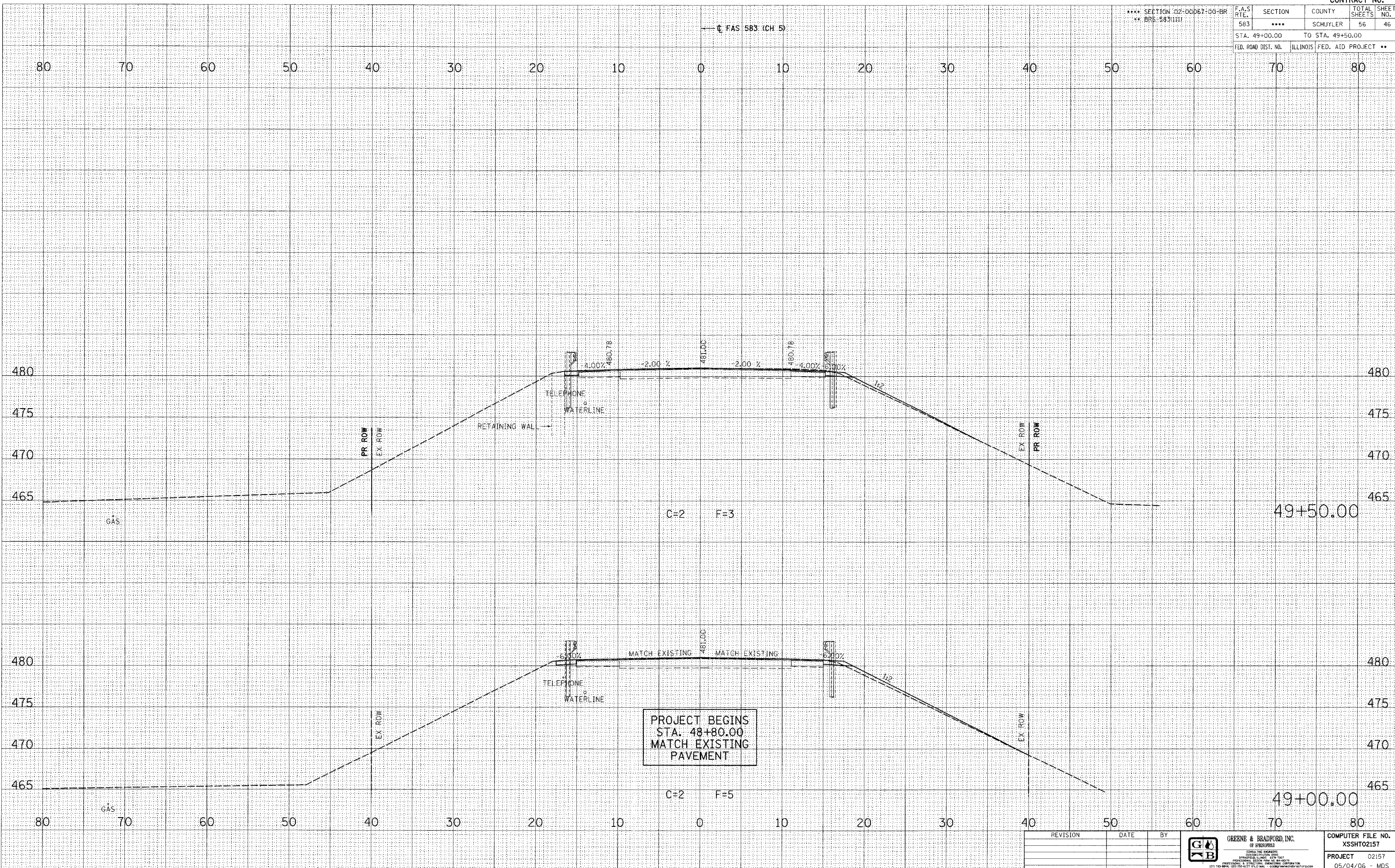
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583	***	SCHUYLER	56	46
STA. 49+00.00		TO STA. 49+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

*** SECTION 02-00067-00-BR
** BR6-583(III)

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	DATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	DATE	
	AREAS	
	CHECKED	

PLOT DATE = 04/06
FILE NAME = 05/06
SCALE = 1"=40'
REFERENCE = 05/06
OPERATOR = MDS



REVISION	DATE	BY

GREENE & BEADFORD, INC.
OF SCHUYLER

ENGINEERS

1115 4th St. Schuyler, IL 62451
PH: 618-584-1234 FAX: 618-584-1235
WWW.GREENEANDBEADFORD.COM

COMPUTER FILE NO.
XSSHT02157

PROJECT 02157
05/04/06 - MDS

CROSS SECTIONS - MAINLINE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	47
STA. 50+00.00		TO STA. 50+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	

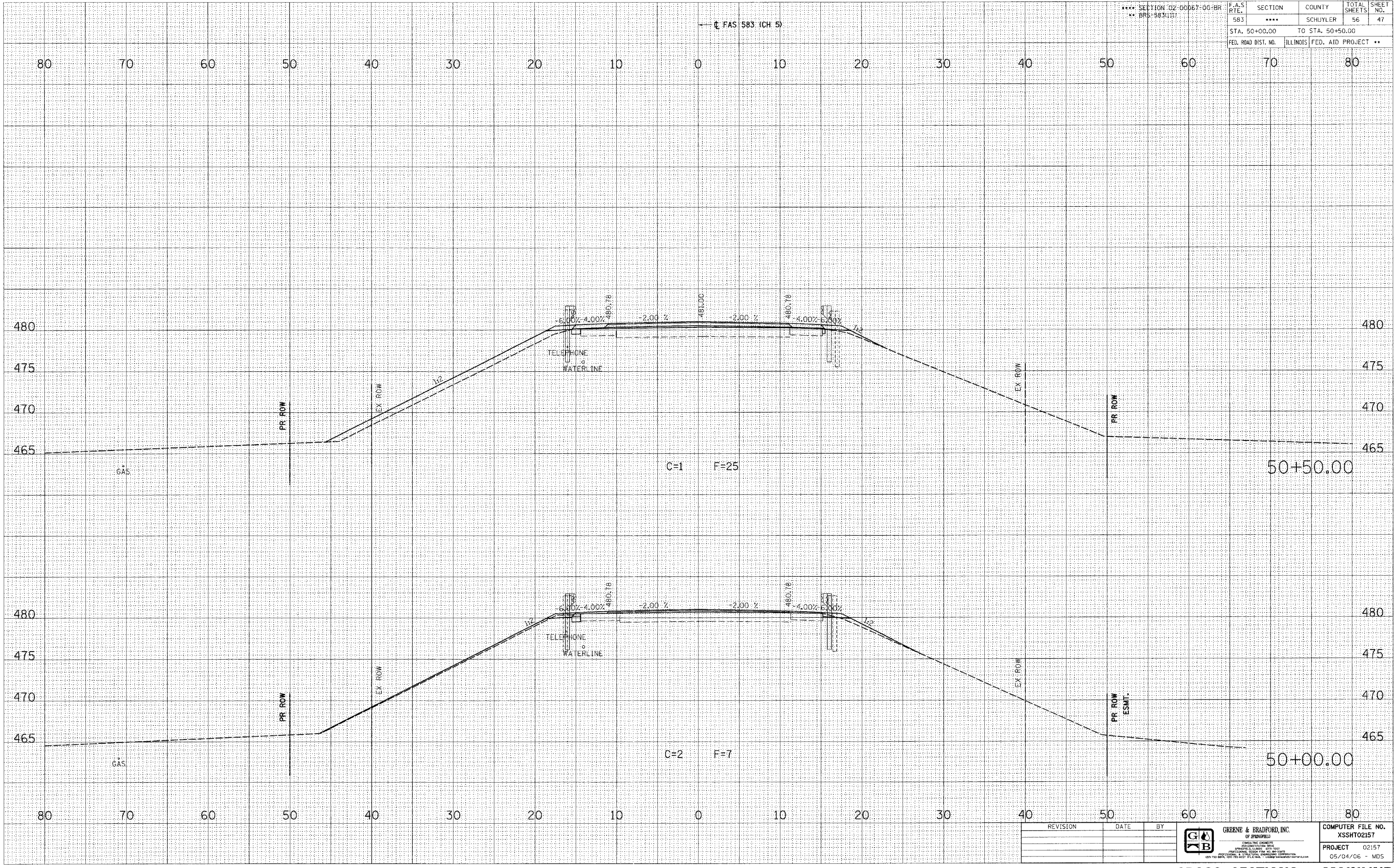
*** SECTION 02-00067-00-BR
** BR5-583(1)11

CL FAS 583 (CH 5)

FINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

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REVISION	DATE	BY

<p>GREENE & BRADFORD, INC. OF SPRINGFIELD CONSULTING ENGINEERS 300 COMMERCIAL DRIVE SPRINGFIELD, ILLINOIS 62761 REGISTERED PROFESSIONAL ENGINEERS NO. 021577 & 021578, ILLINOIS NO. 110-0494, 1997 TO 2007, ILL. & MO.</p>	COMPUTER FILE NO. XSSHT02157
	PROJECT 02157 05/04/06 - MDS

CROSS SECTIONS - MAINLINE

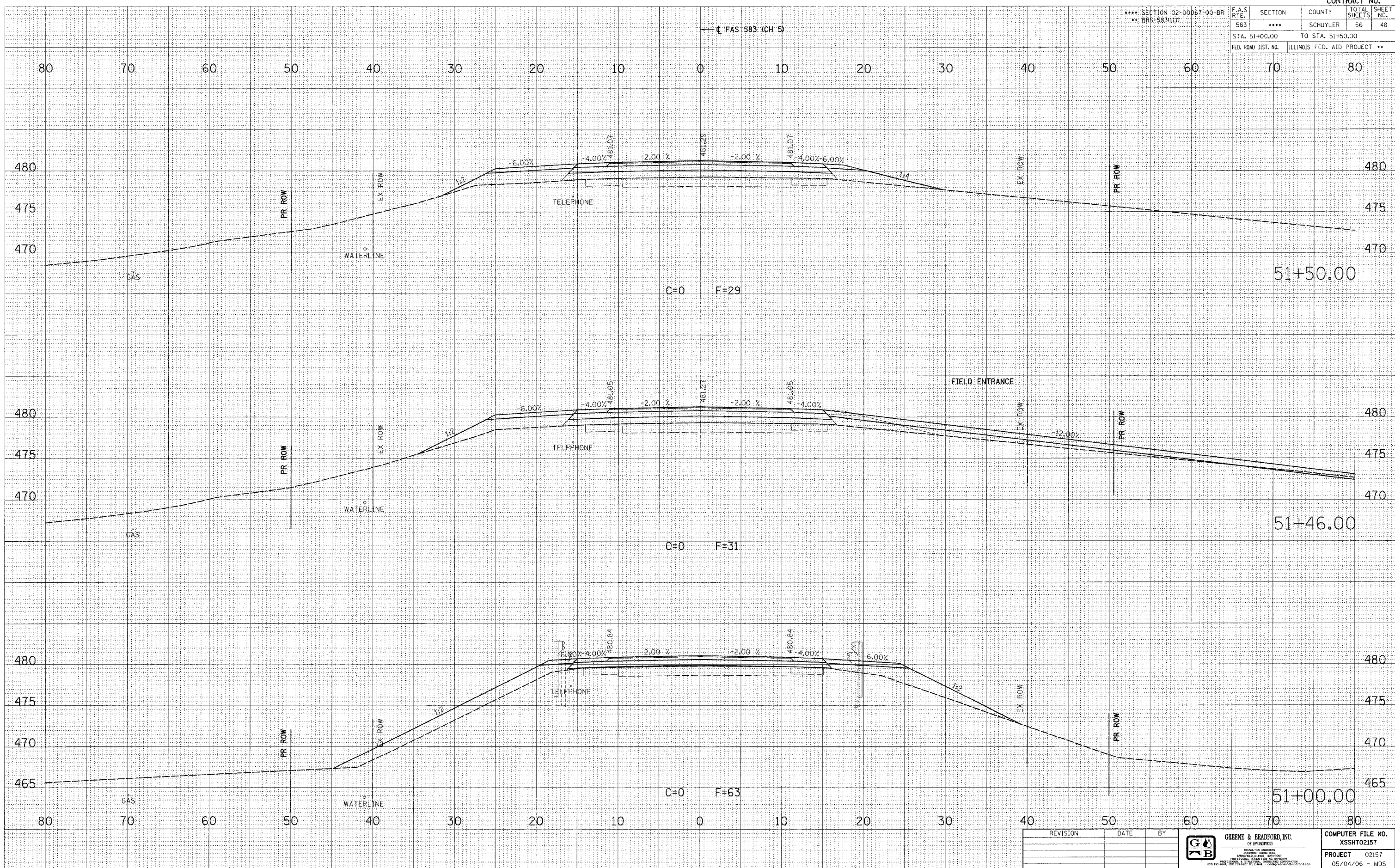
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STA. 51+00.00		TO STA. 51+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

SECTION 02-00067-00-BR
BRS-583(117)

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMP. PLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMP. PLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = 04/06
FILE NAME = 583LE1
PLOT SCALE = 1"=40'
REFERENCE = BREFS
OPERATION = 80828



REVISION	DATE	BY

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
2017 2nd St., Springfield, IL 62761
Professional Engineer License No. 001-00000000
Professional Surveyor License No. 001-00000000

COMPUTER FILE NO. XSSHT02157
PROJECT 02157
05/04/06 - MOS

CROSS SECTIONS - MAINLINE

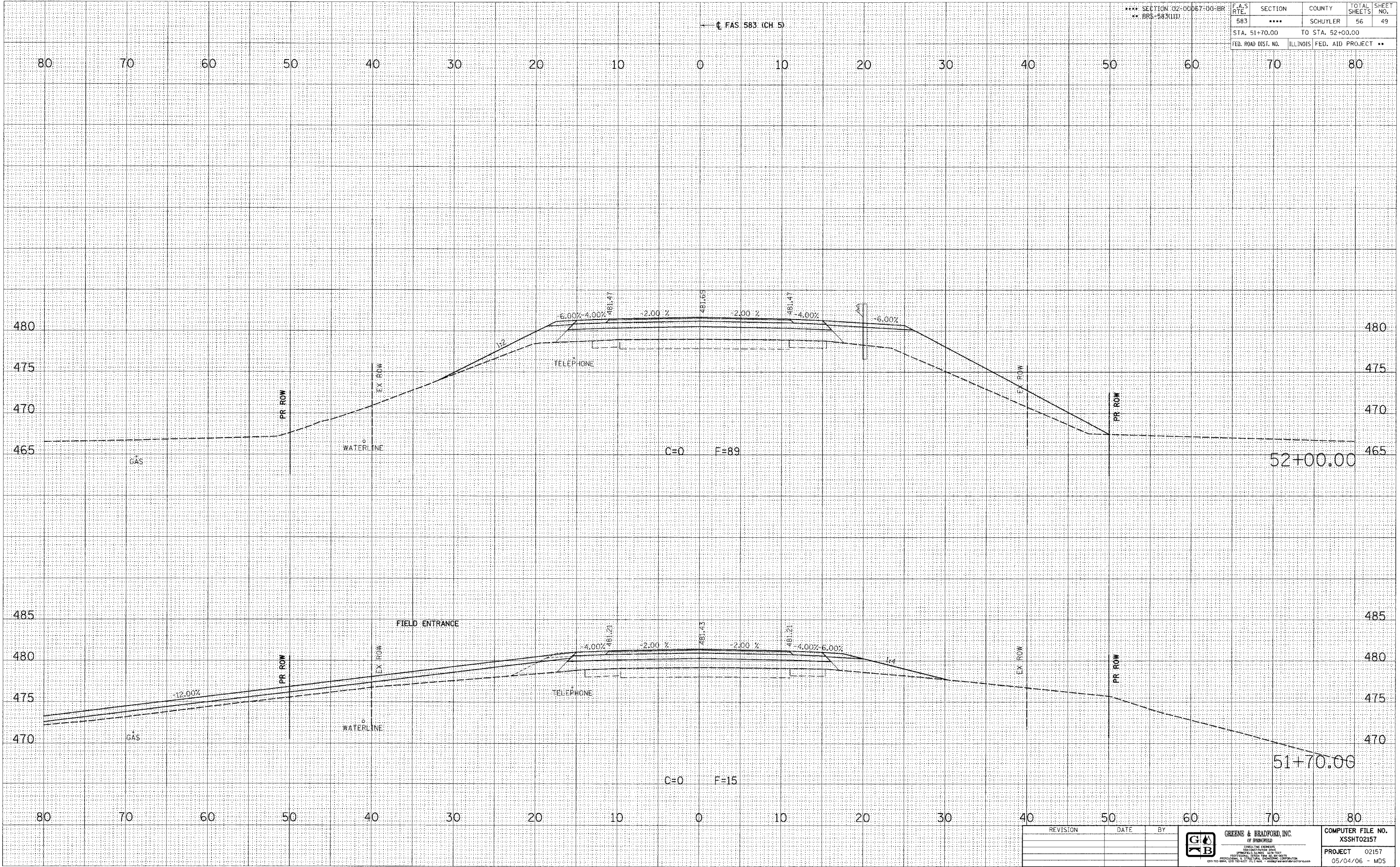
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STA. 51+70.00		TO STA. 52+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

← FAS 583 (CH. 5)

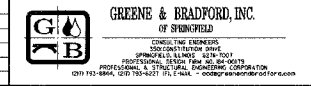
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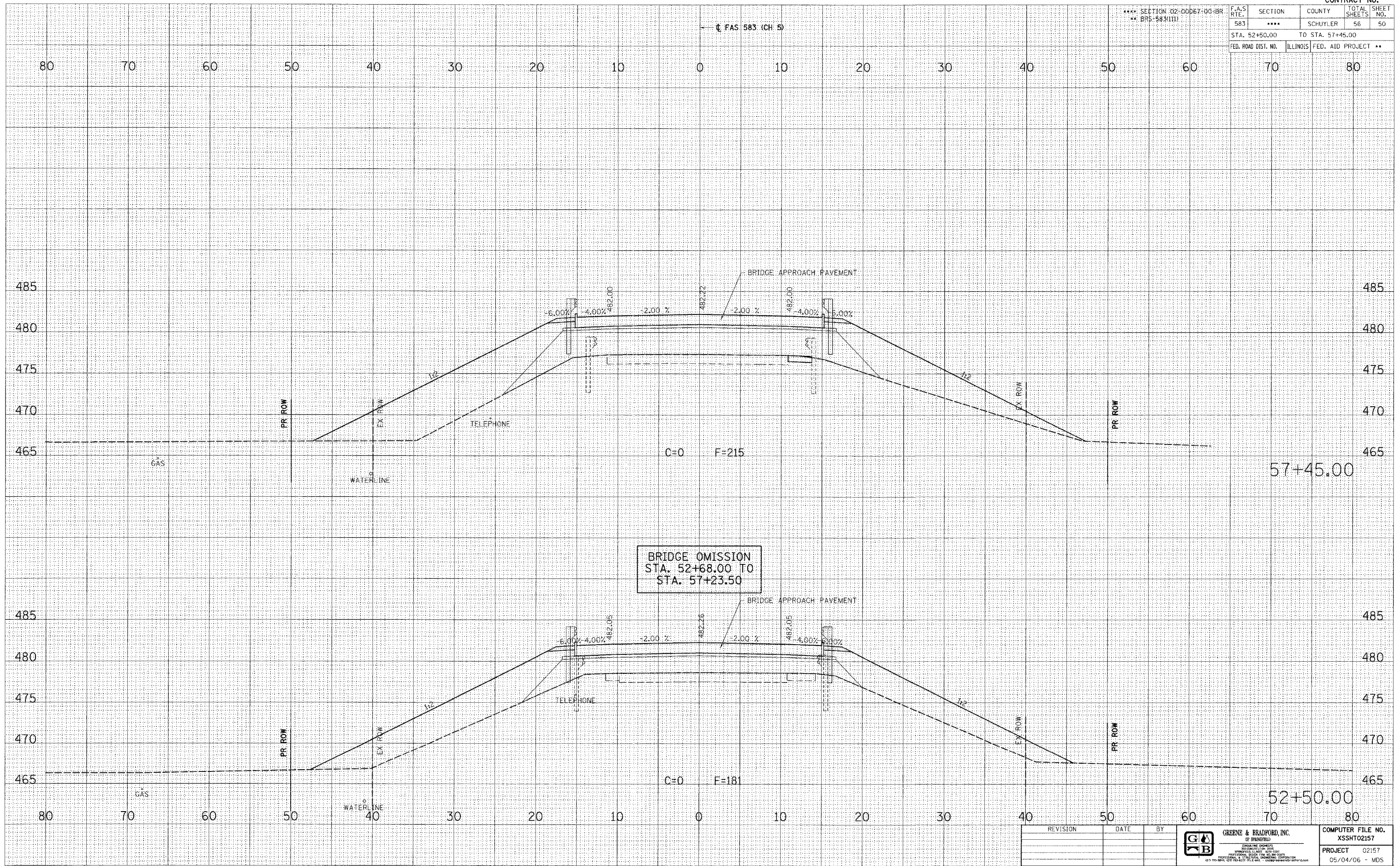
REVISION	DATE	BY



COMPUTER FILE NO.	XSSHT02157
PROJECT	02157
DATE	05/04/06
BY	MDS

CROSS SECTIONS - MAINLINE

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	50
STA. 52+50.00 TO STA. 57+45.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	



FINAL SURVEY NO.	DATE
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REVISION	
DATE	
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DATE	
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ORIGINAL SURVEY NO.	DATE
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REVISION	
DATE	
BY	
REVISION	
DATE	
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REVISION	
DATE	
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REVISION	
DATE	
BY	
REVISION	
DATE	
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REVISION	DATE	BY

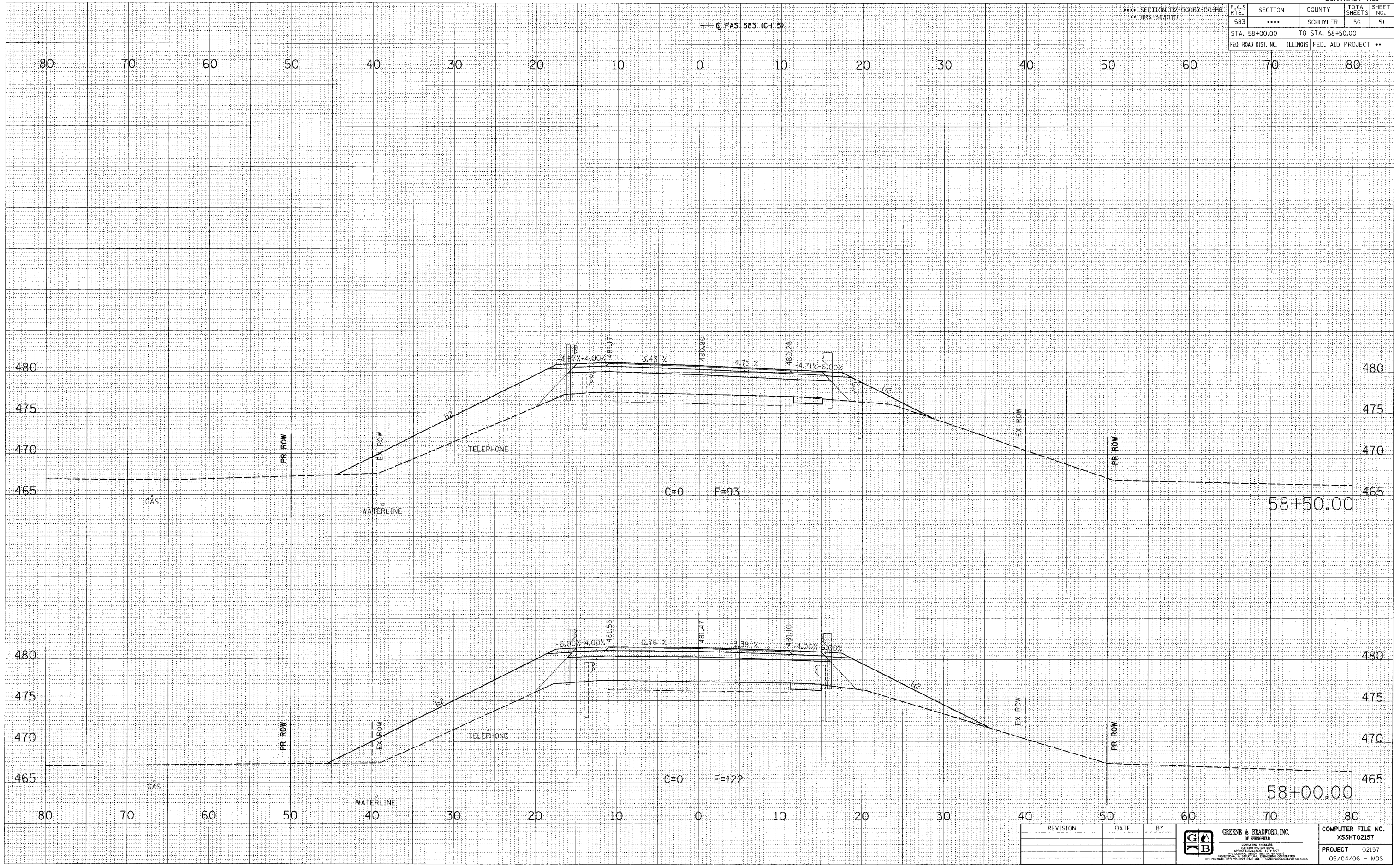
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PROFESSIONAL ENGINEER STATE OF ILLINOIS NO. 02157-01		PROJECT 02157
05/04/06 - MDS		

CROSS SECTIONS - MAINLINE

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STA. 58+00.00 TO STA. 58+50.00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **	

**** SECTION 02-00067-00-BR
** BRS-5831111

← FAS 583 (CH 5)



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

PLOT DATE * DATES *
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 PLOT SCALE * SCALES *
 REFERENCE * SHEETS *
 OPERATOR * USERS *

REVISION	DATE	BY



COMPUTER FILE NO. XSSHT02157
PROJECT 02157
05/04/06 - MDS

CROSS SECTIONS - MAINLINE

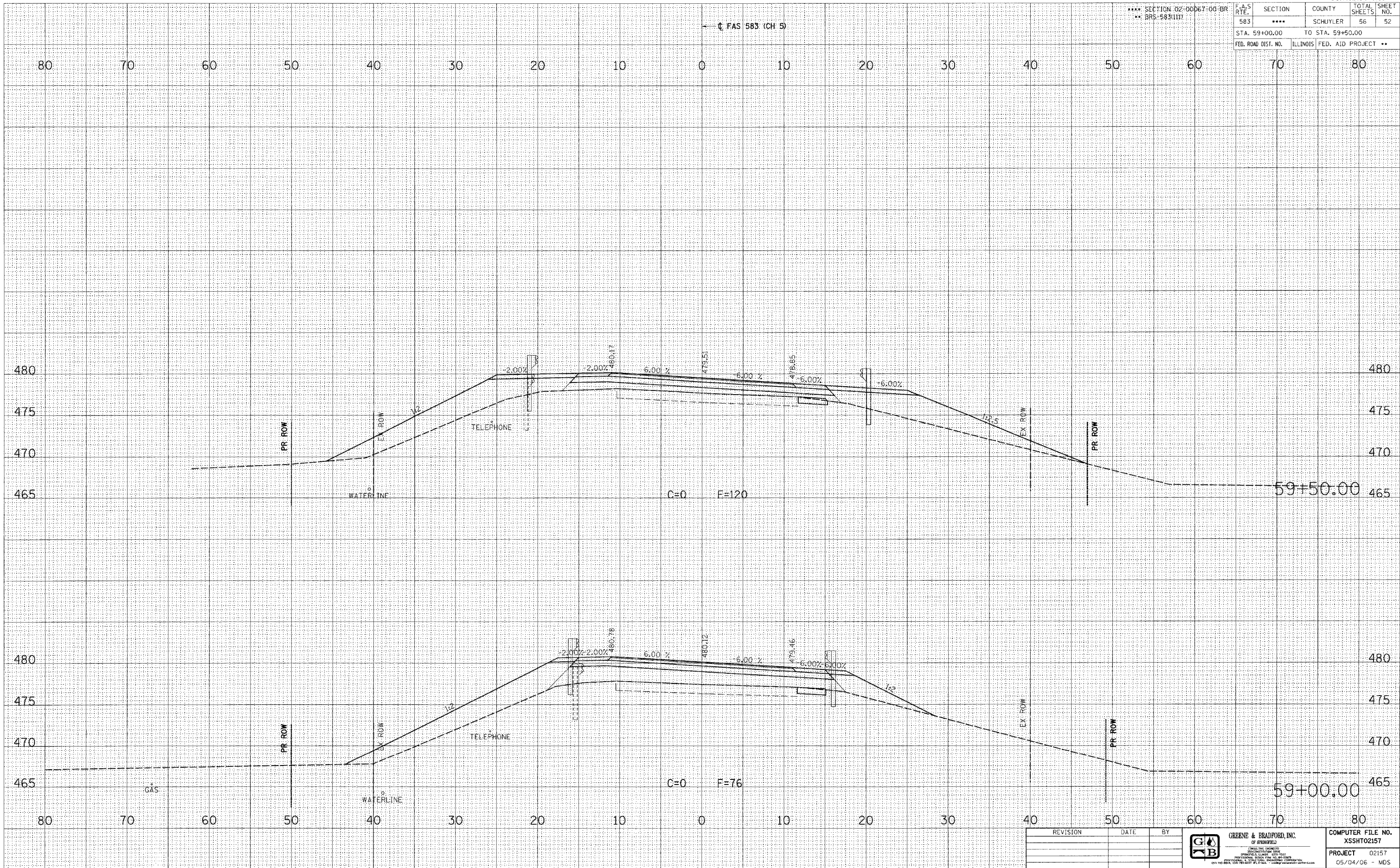
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STA. 59+00.00		TO STA. 59+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

*** SECTION 02-00067-00-BR
 ** BRS-883(111)

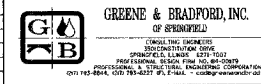
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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 REFERENCE = 85REF
 OPERATOR = 85OPR



REVISION	DATE	BY



COMPUTER FILE NO.	XSSHT02157
PROJECT	02157
	05/04/06 - MDS

CROSS SECTIONS - MAINLINE

F.A.S. RTE. 583	SECTION ****	COUNTY SCHUYLER	TOTAL SHEETS 56	SHEET NO. 53
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

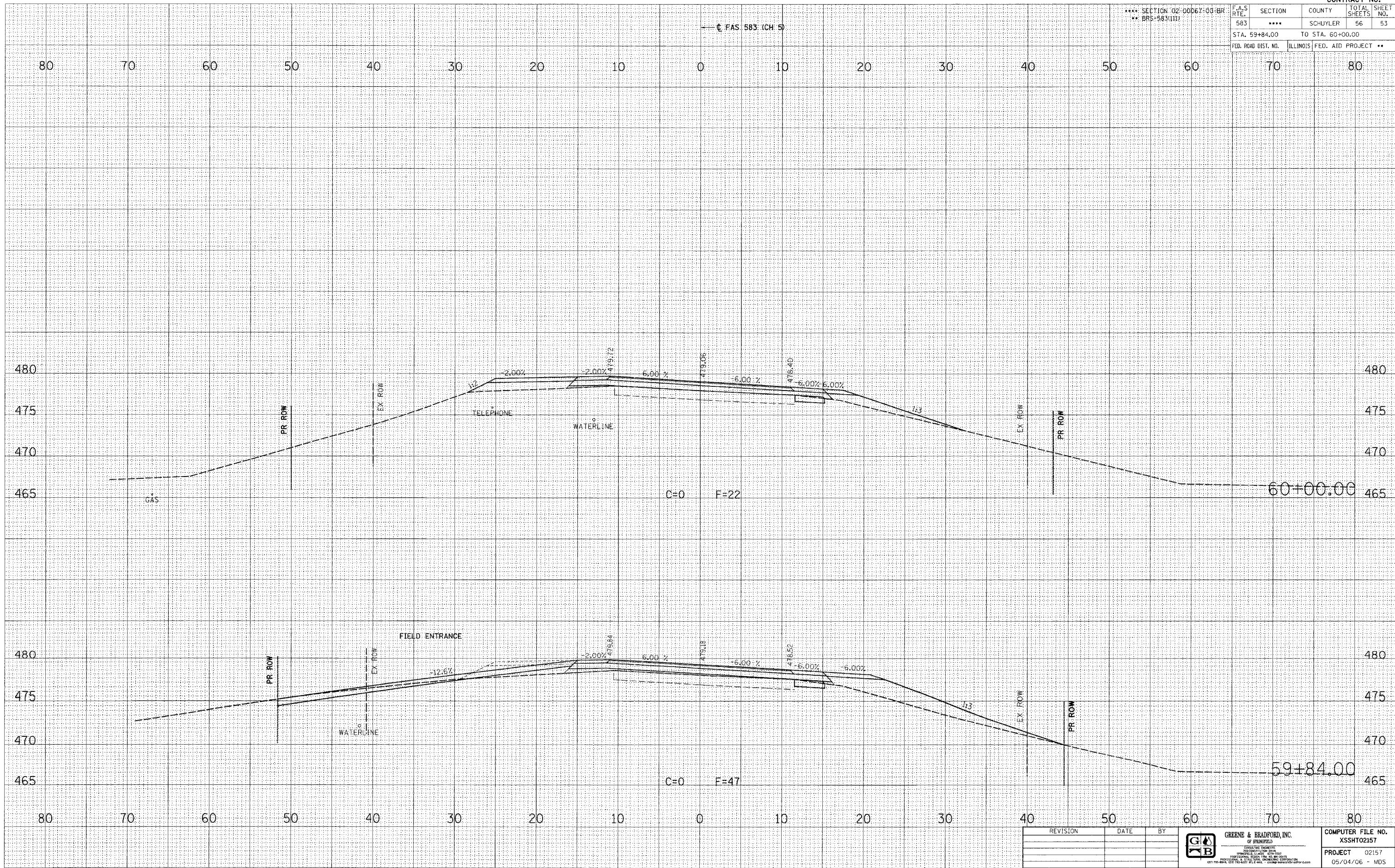
CL FAS 583 (CH 5)

*** SECTION 02-00067-00-BR
** BR-883(11)

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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REVISION	DATE	BY

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL ENGINEER, No. 041-00017
PROFESSIONAL LAND SURVEYOR, No. 041-00017
1001 1/2 N. W. 10th St., Springfield, IL 62761

COMPUTER FILE NO. XSSHT02157
PROJECT 02157
05/04/06 - MDS

CROSS SECTIONS - MAINLINE

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 60+50.00		TO STA. 61+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT **		

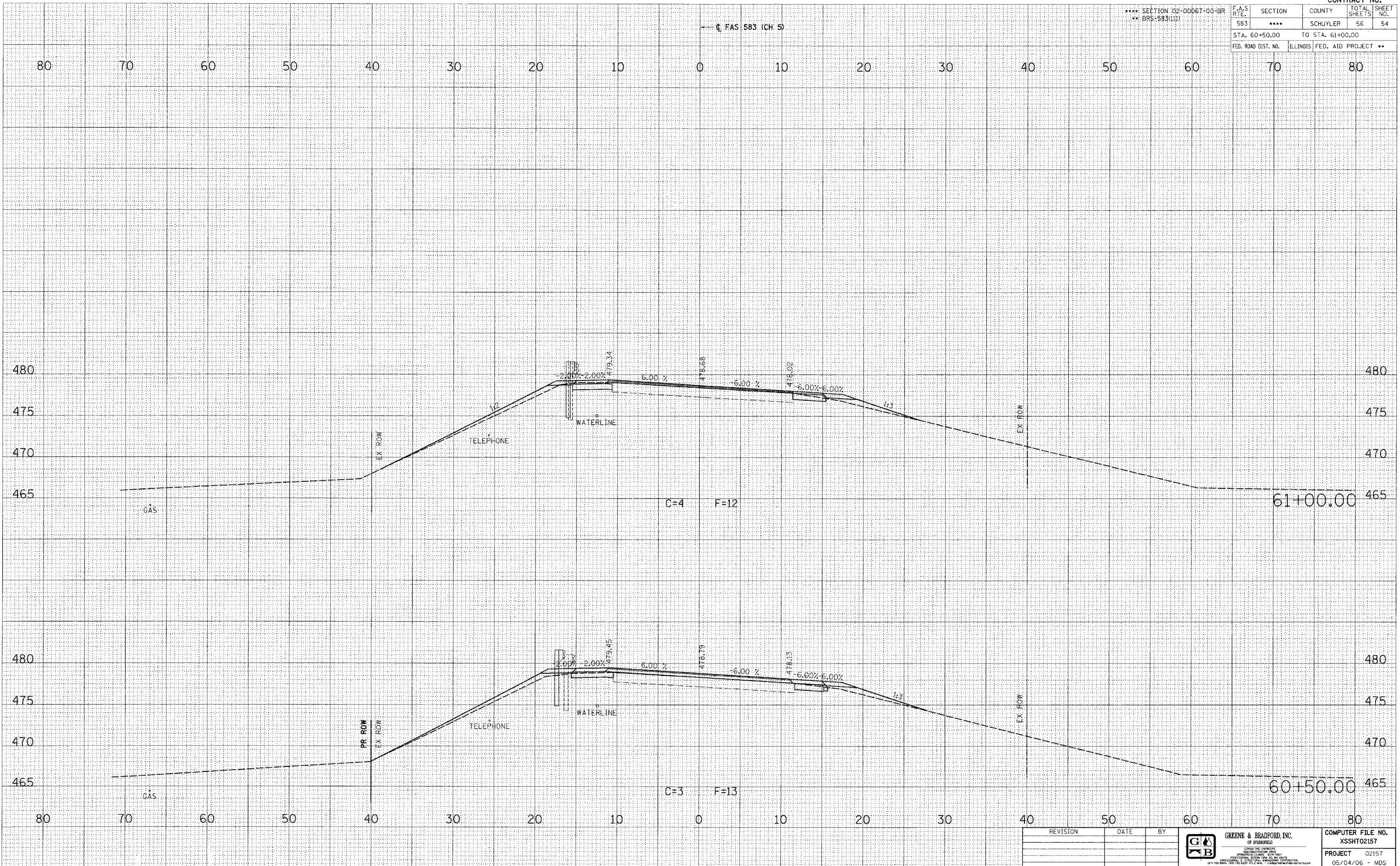
*** SECTION 102-00067-00-BR
 ** BRD-583(10)

← FAS 583 (CH. 5)

DATE	
BY	
FINAL SURVEY	
SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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REVISION	DATE	BY

<p>GREENE & BRADFORD, INC. OF SPRINGFIELD CONSULTING ENGINEERS 1000 CENTRAL AVENUE SPRINGFIELD, ILLINOIS 62761-1000 (217) 224-1200 FAX (217) 221-1111 Copyright 2006</p>	COMPUTER FILE NO. XSSHT02157
	PROJECT 02157 05/04/06 - MDS

CROSS SECTIONS - MAINLINE

SECTION 02-00067-00-BR
BR-083(11)

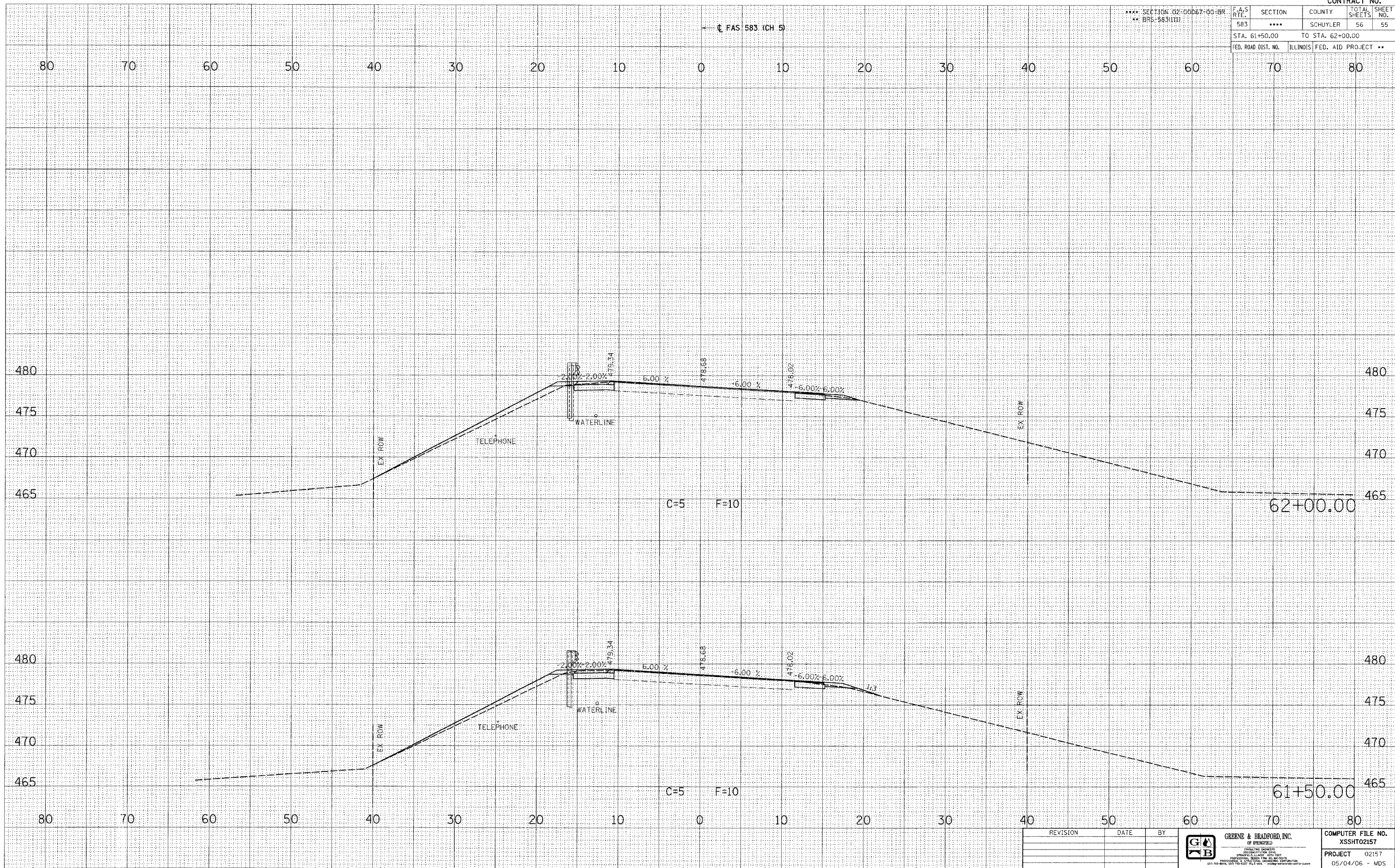
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
583	****	SCHUYLER	56	55

STA. 61+50.00 TO STA. 62+00.00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT **

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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DRAWN BY = #USER#



REVISION	DATE	BY



COMPUTER FILE NO.
XSSHT02157
PROJECT 02157
05/04/06 - MDS

CROSS SECTIONS - MAINLINE

SECTION 02-0067-00-BR
BRS-283(111)

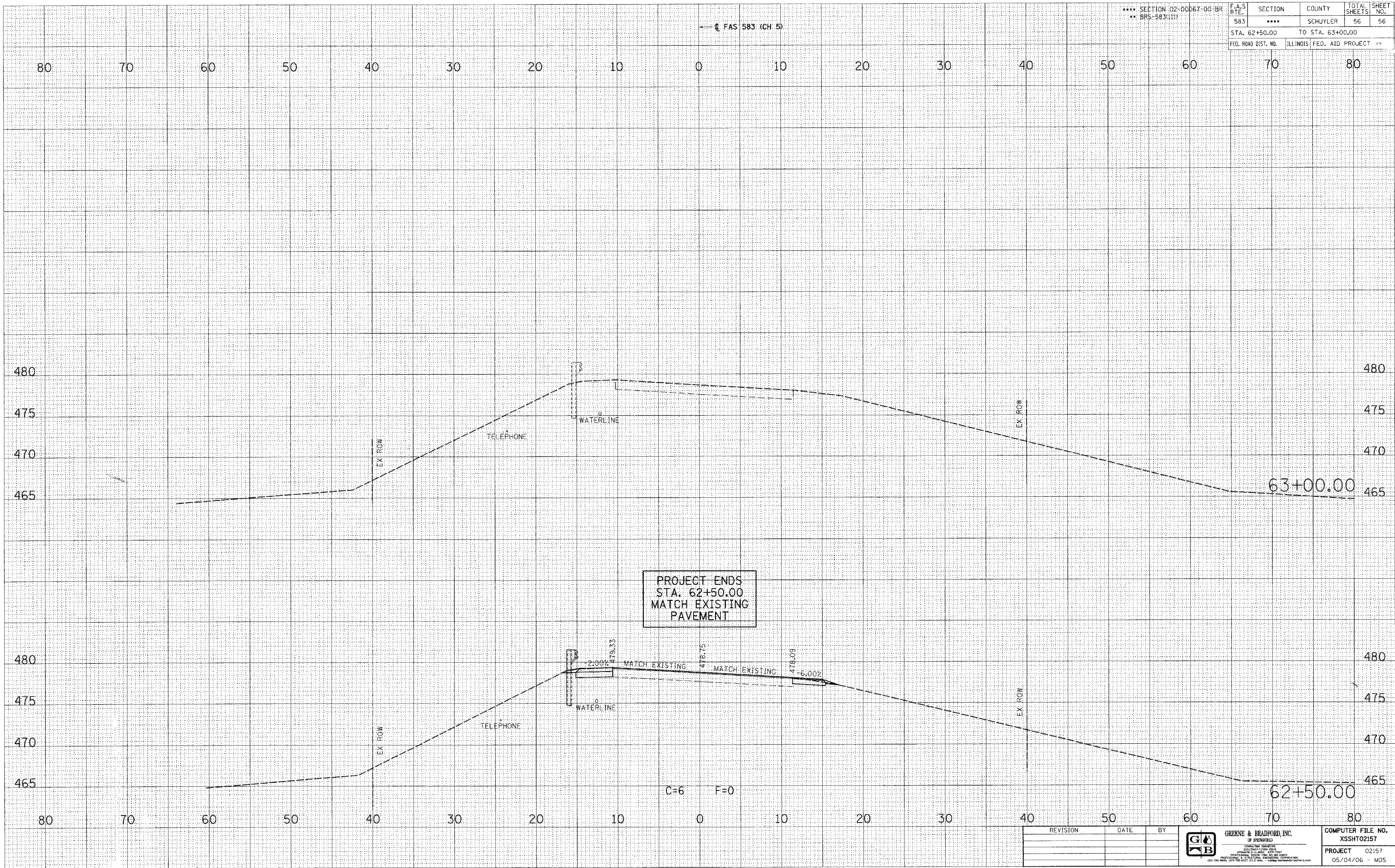
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583	****	SCHUYLER	56	56
STA. 62+50.00		TO STA. 63+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	**	

← FAS 583 (CH 5)

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED

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REFERENCE = #REF#
OPERATOR = #USER#



REVISION	DATE	BY



COMPUTER FILE NO.
XSSHT02157
PROJECT 02157
05/04/06 - MOS

CROSS SECTIONS - MAINLINE