

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

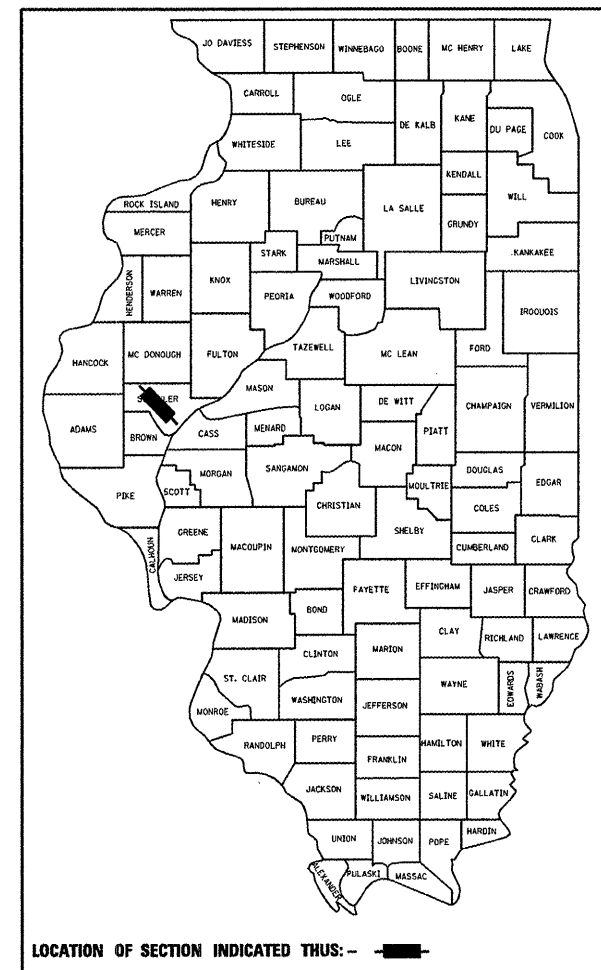
FAP ROUTE 310 (US 67)
SECTION (87B)BR
PROJECT: ACBHF-0310(138)
SCHUYLER COUNTY
C-96-060-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	1
FED. ROAD DIST. NO. 6	ILLINOIS	CONTRACT NO. 72B95		

D-96-060-08

A 80+1=81

FOR INDEX OF SHEETS, SEE SHEET NO. 2

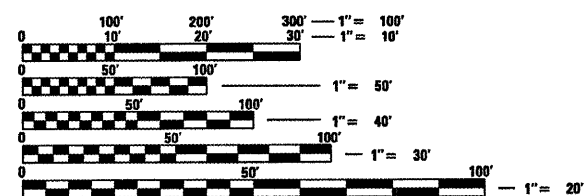


HE
HOELSCHER ENGINEERING

11 Executive Drive, Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-0610
(217) 698-0608 (fax)

115 North Hill Street, Suite 105
Champaign, Illinois 61820
(217) 351-0610
(217) 351-0611 (fax)

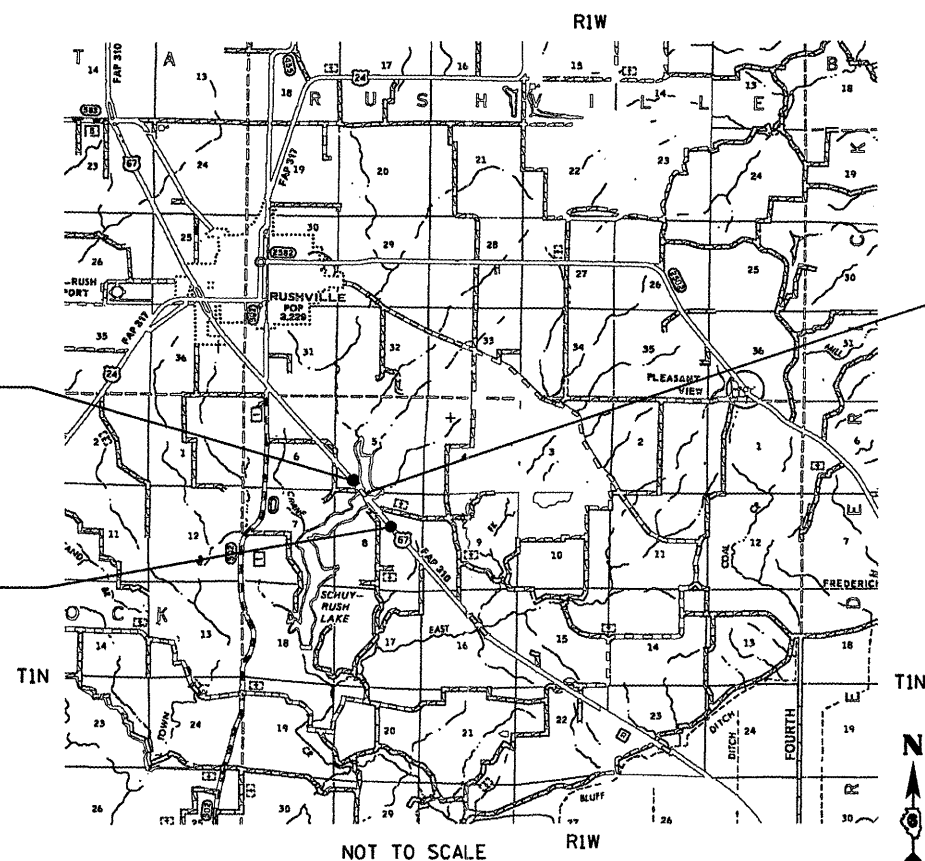


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990
SQUAD LEADER: VINCE MADONIA (217) 785-9046

CONTRACT NO. 72B95



STA 332+00.00
END PROJECT
(STA 337+50.00,
LIMITS OF
IMPROVEMENTS)

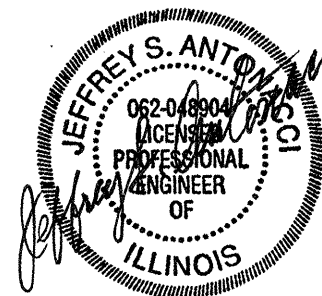
STA 320+00.00
BEGIN PROJECT
(STA 315+64.00,
LIMITS OF
IMPROVEMENT)

NOT TO SCALE

ADT 4700 (2007)
FAP 310
4700

LENGTH OF PROJECT = 1,200.00 FT. = 0.227 MILE
LENGTH OF IMPROVEMENT = 2,186.0 FT. = 0.414 MILE

STA 325+95.00
PROJECT INCLUDES REHABILITATION
OF THE EX THREE-SPAN BRIDGE
CARRYING FAP 310 OVER CRANE
CREEK/SCHUY-RUSH LAKE.
(SN-085-0001), 174' - 7" BK TO BK
OF ABUT.
STA. 325+07.21 TO STA. 326+82.79



SIGNATURE
DATE: *Bill S. 2009*
LICENSE EXP. 11-30-2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *August 31, 2009*
Ben D. Dinkell
DEPUTY DIRECTOR OF HIGHWAYS, REGION-ENGINEER

October 2, 2009
Charles J. Ingersole
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

HOELSCHER ENGINEERING, P.C.
11 Executive Drive, Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610, Fax (618) 624-8611

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STANDARD NO.	STANDARD TITLE
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420401-07	BRIDGE APPROACH PAVEMENT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
630001-08	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-07	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKERS AND MOUNTING DETAILS
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45MPH
701321-10	LANE CLOSURE, 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS 55 MPH
701901-01	TRAFFIC CONTROL DEVICES
704001-05	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POST FOR SIGNS, MARKERS AND DELINEATORS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
873001-02	TRAFFIC SIGNAL GROUNDING & BOUNDING
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

701001-02
701004-03
701011-02
701301-03
701311-03

EXAMINED	<u>Aug 12</u>	20	<u>09</u>
<i>Ron J. Hoane</i>			
PROGRAM IMPLEMENTATION ENGINEER			
EXAMINED	<u>Aug 17</u>	20	<u>09</u>
<i>Ron J. Hoane</i>			
PROGRAM IMPLEMENTATION ENGINEER			
EXAMINED	<u>Aug 11</u>	20	<u>09</u>
<i>QRM</i>			
PROGRAM DEVELOPMENT ENGINEER			

GENERAL NOTES

- THE STANDARDS INCLUDED IN THE BACK OF THESE PLANS SHALL APPLY TO THIS PROJECT.
- THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.
- BEFORE ORDERING STORM SEWERS, INLETS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

ADAMS ELECTRIC (ELECTRIC) FRONTIER COMMUNICATIONS (PHONE)
700 E. WOOD STREET 145 S. HALL STREET
CAMP POINT, IL 62320 ROSEVILLE, IL 61473
(217) 593-7701 (402) 250-1095

HICKORY-KERTON (WATER)
616 N. 24TH STREET
QUINCY, IL 62301
(217) 223-3670

J.U.L.I.E. 1-800-892-0123

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR (I) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, (II) VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORKED AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; (III) COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND (IV) THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

- ALL UTILITIES TO BE RELOCATED BY OTHERS.
- FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.

GENERAL NOTES (CONT.)

- ALL AREAS DISTURBED WITHIN OR BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.
- MULCH, AS APPLIED TO FINAL SEEDING (CLASS 2), SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2 AS SPECIFIED IN ARTICLE 251.03 (b).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE REQUIREMENTS OF AN NPDES STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FOR THIS PROJECT.
- ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE A COPY OF THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
- THE DISTRICT'S NUCLEAR DENSITY SUPERVISOR SHALL BE CONTACTED UPON COMPLETION OF THE SUBGRADE AND PRIOR TO THE AGGREGATE BASE COURSE PLACEMENT TO DETERMINE THE NECESSITY OF THE SUBGRADE IMPROVEMENTS.
- THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OF BASE ON WHICH THE HMA MIXTURE IS PLACED.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
- APPLICATION RATES FOR HOT-MIX ASPHALT ITEMS ARE AS FOLLOWS:

BITUMINOUS MATERIALS (PRIME COAT) ON EXISTING SURFACES	0.10 GAL/SY (0.00038 TON/SY)
AGGREGATE (PRIME COAT) ON EXISTING SURFACES	4 LBS/SY (0.002 TON/SY)
LEVELING BINDER AND HOT-MIX ASPHALT SURFACE COURSE	112 LBS/SY-IN
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
- ALL WORK AS SHOWN ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS PREPARED BY HOELSCHER ENGINEERING, P.C. ENTITLED "FAP ROUTE 310 (US 67) SECTION (87)B/R, CONTRACT NO. 72B95".

COMMITMENTS

- THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW IMPROVED DESIGN FOR FUTURE PROJECTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE REQUIREMENTS OF AN NPDES STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FOR THIS PROJECT.

MIXTURE REQUIREMENTS

MIXTURE USE(S):	HMA SURFACE	HMA LEVELING BINDER	HMA-BSE CSE WID. 10"	HMA SHOULDERS
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE:	MIX C	N/A	N/A	N/A

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 PLAN NOTE BOOK NO. _____
 FILE NAME _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 PROFILE NOTE BOOK NO. _____
 FILE NAME _____

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE		
				RDWY QUANTITY	SN 085-0001 QUANTITY	BOX CULVERT EXTENSION
20200100	EARTH EXCAVATION	CU YD	310.0	310		
20400800	FURNISHED EXCAVATION	CU YD	805	805		
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	88.5		88.5	
25000200	SEEDING, CLASS 2	ACRE	2.05	2.05		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	185	185		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	185	185		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	185	185		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.1	4.1		
25100115	MULCH, METHOD 2	ACRE	2.05	2.05		
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ YD	3,219	3,219		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	500	500		
28000400	PERIMETER EROSION BARRIER	FOOT	2,522	2,522		
28001000	AGGREGATE (EROSION CONTROL)	TON	84	84		
28100708	STONE DUMPED RIPRAP, CLASS A4 (SPECIAL)	SQ YD	135	41	94	
28200200	FILTER FABRIC	SQ YD	135	41	94	
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	736.6	736.6		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.96	1.96		
40600300	AGGREGATE (PRIME COAT)	TON	10.0	10.0		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	133.9	133.9		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	160	160		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	216.6	216.6		
42001430	BRIDGE APPROACH PAVEMENT	SQ YD	240	240		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE		
				RDWY QUANTITY	SN 085-0001 QUANTITY	BOX CULVERT EXTENSION
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	48	48		
44000100	PAVEMENT REMOVAL	SQ YD	353	353		
48101300	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	TON	194.1	194.1		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1,377.5	1,377.5		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	162	162		
50102400	CONCRETE REMOVAL	CU YD	27.4		27.4	
50104650	SLOPE WALL REMOVAL	SQ YD	517.5		517.5	
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1		1	
50200100	STRUCTURE EXCAVATION	CU YD	105		105	
50300225	CONCRETE STRUCTURES	CU YD	58.20		58.20	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	305		305	
50300260	BRIDGE DECK GROOVING	SQ YD	651		651	
50300300	PROTECTIVE COAT	SQ YD	689		689	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	3,749		3,749	
50500505	STUD SHEAR CONNECTORS	EACH	2,700		2,700	
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	12		12	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	73,980		72,696	1,284
50800515	BAR SPLICERS	EACH	771		771	
50901050	STEEL RAILING, TYPE SM	FOOT	392		392	
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1		1	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 310
 SECTION (87B)BR
 COUNTY SCHUYLER
 TOTAL SHEETS 80
 SHEET NO. 3
 CONTRACT NO. 72B95
 ILLINOIS FED. AID PROJECT

Rev.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

DATE _____ BY _____
 REVIEWED _____
 PLAN _____
 NOTE BOOK _____
 NO. _____

DATE _____ BY _____
 REVIEWED _____
 PROFILE _____
 NOTE BOOK _____
 NO. _____

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE		
				RDWY QUANTITY	SN 085-0001 QUANTITY	BOX CULVERT EXTENSION
51100300	SLOPE WALL 6 INCH	SQ YD	517.5	517.5		
51205200	TEMPORARY SHEET PILING	SQ FT	384	384		
51500100	NAME PLATES	EACH	1	1		
52000110	PERFORMED JOINT STRIP SEAL	FOOT	72.0	72.0		
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12	12		
52100510	ANCHOR BOLTS, 3/4"	EACH	16			16
52100520	ANCHOR BOLTS, 1"	EACH	24	24		
54003000	CONCRETE BOX CULVERTS	CU YD	7			7
58700300	CONCRETE SEALER	SQ FT	348	348		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	50.4	50.4		
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	72	72		
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1,512.5	1,512.5		
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	1,936	1,936		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67100100	MOBILIZATION	L SUM	1	1		
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	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		

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE		
				RDWY QUANTITY	SN 085-0001 QUANTITY	BOX CULVERT EXTENSION
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	274	274		
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	4,480	4,480		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,880	1,880		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600		
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9		
* 78001120	PAINT PAVEMENT MARKING-LINE 5"	FOOT	4,918	4,918		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	23	23		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	45	45		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,023	1,023		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	23	23		
X0325129	TREE REMOVAL	L SUM	1	1		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2		

* INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S.	SHEET NO. 3 OF 32 SHEETS	STA. TO STA.	F.A.P. RTE. 310	SECTION 087BIBR	COUNTY SCHUYLER	TOTAL SHEETS 32	SHEET NO. 4
						CONTRACT NO. 72895	
ILLINOIS FED. AID PROJECT							

DATE _____ BY _____
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DATE _____ BY _____
 PROFILE _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 CHECKED _____
 STRUCTURE NOTATION CHKD _____

ROADWAY REMOVAL SCHEDULE									
STATION	OFFSET	LOCATION	TO	STATION	OFFSET	LOCATION	LENGTH	PAVEMENT REMOVAL	GUARDRAIL REMOVAL
							(FT)	(SQ YD)	(FT)
315+64.00	12.00'	RT	TO	325+11.74	12.00'	RT	947.7	164	
316+52.00	12.00'	LT	TO	325+11.77	12.00'	LT	859.8	87	
318+33.41	22.11'	RT	TO	325+02.42	17.15'	RT	669.0		669
318+99.26	21.01'	LT	TO	325+02.52	16.54'	LT	603.3		603
320+00.00			TO	324+78.71			478.7		
324+25.00		LT	TO	324+77.21		LT	52.2	5	
324+25.00		RT	TO	324+77.21		RT	52.2	7	
326+84.78	15.04'	RT	TO	332+62.98	12.15'	RT	578.2	76	
326+93.26	16.72'	LT	TO	330+63.05	22.35'	LT	369.8		370
326+93.37	17.00'	RT	TO	329+87.44	22.26'	RT	294.1		294
327+11.51			TO	332+00.00			488.5		
327+12.79		LT	TO	327+75.00		LT	62.2	6	
327+12.79		RT	TO	327+75.00		RT	62.2	8	
TOTAL								353	1936

TEMPORARY CONCRETE BARRIER SCHEDULE					
STATION	LOCATION	TO	STATION	LOCATION	TEMPORARY CONCRETE BARRIER
					FOOT
323+00.00	LT	TO	329+00.00	LT	STAGE 1
323+00.00	RT	TO	329+00.00	RT	STAGE 2
TOTAL					600

SEEDING AND FERTILIZER SCHEDULE							
STATION	OFFSET	LOCATION	TO	STATION	OFFSET	LOCATION	SEEDING, CLASS 2
							(ACRE)
315+64.00			TO	337+61.40			2.05
TOTAL							2.05

TREE REMOVAL SCHEDULE							
STATION	OFFSET	LOCATION	TO	STATION	OFFSET	LOCATION	TREE REMOVAL, ACRES
							(UNITS)
321+94.21	66.89'	RT	TO	322+99.03	66.89'	RT	0.0036
324+44.07	52.82'	RT	TO	325+19.02	66.94'	RT	0.0110
326+57.40	37.78'	LT	TO	326+86.15	43.42'	LT	0.0045
331+25.64	37.73'	LT	TO	331+73.56	59.05'	LT	0.0014
TOTAL							0.02

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE					
STATION	OFFSET	LOCATION	TO	STATION	OFFSET
1712+00.00		CENTER	TO	1730+00.00	CENTER
TOTAL					

TEMPORARY AND PERMANENT PAVEMENT MARKING SCHEDULE													
STATION	OFFSET	LOCATION	TO	STATION	OFFSET	LOCATION	PAINT PAVEMENT MARKING - LINE 5"	PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 5"	TEMPORARY PAVEMENT MARKING - LINE 24"	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	
	(FT)	RT/LT			(FT)	RT/LT	(FT)	(FT)	(FT)	(FT)	(FT)	(SQ FT)	
315+64.00	11.00	RT	TO	337+50.00	11.00	RT	WHITE EDGE LINE	2186					
315+64.00	0.00	RT	TO	337+50.00	0.00	RT	YELLOW SKIP DASH	546					
315+64.00	11.00	LT	TO	337+50.00	11.00	LT	WHITE EDGE LINE	2186					
324+00.00	0.00	RT	TO	324+00.00	0.00	RT	WHITE EDGE LINE			12			
320+00.00	0.00	CL	TO	324+77.21	0.00	CL	YELLOW EDGE LINE				96		
320+00.00		RT/LT	TO	324+77.21		LR/RT	YELLOW EDGE LINE				40		
320+40.00	11.00	LT	TO	331+60.00	11.00	LT	WHITE EDGE LINE		1120				
320+40.00	12.50	RT	TO	331+60.00	12.50	RT	WHITE EDGE LINE		1120				
320+40.00	11.00	LT	TO	331+60.00	12.00	LT	WHITE EDGE LINE					470	
320+50.00	12.50	LT	TO	331+00.00	12.50	LT	WHITE EDGE LINE		1120				
320+40.00	12.00	RT	TO	331+60.00	12.00	RT	WHITE EDGE LINE					470	
321+00.00	11.00	RT	TO	331+50.00	11.00	RT	WHITE EDGE LINE		1120				
320+40.00	11.00	LT	TO	331+60.00	12.00	LT	WHITE EDGE LINE					470	
320+40.00	12.00	LT	TO	331+60.00	12.00	LT	WHITE EDGE LINE					470	
320+40.00	12.00	LT	TO	329+25.00	12.00	LT		372					
322+45.00	12.00	LT	TO	324+77.21	12.00	LT		98					
322+65.00	0.00	CL	TO	320+40.00	0.00	CL		94					
322+75.00	12.00	RT	TO	329+25.00	12.00	RT		273					
327+12.79	0.00	CL	TO	332+00.00	0.00	CL	YELLOW EDGE LINE				98		
327+12.79		RT/LT	TO	324+77.21		LR/RT	YELLOW EDGE LINE				40		
327+12.79	12.00	LT	TO	329+40.00	12.00	LT		95					
329+44.00	0.00	CL	TO	331+60.00	0.00	CL		91					
331+60.00	0.00	LT	TO	331+60.00	11.95	LT	WHITE EDGE LINE			12			
TOTAL								4918	1023	4480	24	274	1880

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTMENT FOR SHRINKAGE	EMBANKMENT (FILL)	EARTH BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)
	CU YD	CU YD	CU YD	CU YD
315+00.00 TO 325+00.00	168	126	573	447
327+00.00 TO 337+27.42	141	106	463	357
TOTAL	310	235	1,040	805

EARTH EMBANKMENT SHRINKAGE FACTOR = 25%

RELOCATE SIGN PANEL ASSEMBLY - TYPE A					
STATION	OFFSET (FT)	LOCATION	SIGN	RELOCATE SIGN PANEL ASSEMBLY - EACH	
317+88.13	31.44	RT	NO PASSING	1	
318+66.75	27.97	LT	CROSS ROAD	1	
319+53.39	21.68	RT	NO PARKING	1	
321+32.98	21.90	LT	NO PARKING	1	
321+88.51	21.95	LT	WARNING	1	
323+15.65	23.06	RT	NO PARKING	1	
324+97.93	18.60	LT	NO PARKING	1	
327+00.28	17.92	RT	NO PARKING	1	
328+82.98	21.33	LT	NO PARKING	1	
TOTAL				9	

IMPACT ATTENUATOR SCHEDULE			
STATION	OFFSET	LOCATION	IMPACT ATTENUATORS TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
			EACH
323+00.00		STAGE 1	1
329+00.00		STAGE 1	1
323+00.00		STAGE 2	1
329+00.00		STAGE 2	1
TOTAL			2

FILE NAME = USER NAME = laughlinr1
 DESIGNED - ERO REVISIONS -
 DRAWN - RAW REVISIONS -
 CHECKED - JSA REVISIONS -
 DATE - 08/18/09 REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 310 (87B)BR SCHUYLER 80 5
 CONTRACT NO. 72B95
 ILLINOIS FED. AID PROJECT

PLAN	REVIEWED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK	
	NO.	

PROFILE	REVIEWED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK	
	NO.	

TEMPORARY EROSION CONTROL SCHEDULE					
STATION	OFFSET	LOCATION	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING (POUND)	AGGREGATE (EROSION CONTROL) (TON)
	(FT)		(FT)		
319+00 TO 325+42		RT	685		
315+64 TO 337+61.40				500	
318+80 TO 325+42		LT	677		
316+73.98	34.28	RT			4
317+55.39	33.39	LT			4
317+73.98	34.28	RT			4
318+55.39	33.39	LT			4
318+66.68	35.63	LT			4
318+73.98	32.58	RT			4
318+88.74	35.6	RT			4
326+55 TO 329+95		RT	356		
326+55 TO 334+50		LT	804		
329+89.66	39.65	RT			4
329+97.76	36.57	RT			4
330+97.76	37.61	RT			4
331+97.76	36.97	RT			4
332+97.76	36.48	RT			4
333+97.76	35.68	RT			4
334+42.10	42.92	LT			4
334+51.40	39.9	LT			4
334+91.76	35.4	RT			4
335+51.16	32.95	LT			4
335+97.76	35.4	RT			4
336+51.16	33.31	LT			4
336+95.96	38.97	RT			4
337+05.56	41.17	LT			4
			2522	500	84

PERMANENT EROSION CONTROL SCHEDULE					
LOCATION		LT/RT	HEAVY DUTY EXCELSIOR BLANKET (SQ YD)	STONE RIPRAP, CLASS A4, 16" (SQ YD)	FILTER FABRIC (SQ YD)
STATION	TO STATION				
319+50.00	325+40.41	RT	1836		
319+50.00	325+40.47	LT	1081		
324+88.71	325+08.71	LT/RT		47	47
326+81.29	327+01.29	LT/RT		47	47
326+55.24	333+50.00	LT	1026		
326+55.28	328+50.00	RT	276		
336+88.46	337+29.08	LT		41	
337+28.06	337+66.74	RT			41
TOTALS			3219	135	135

CULVERT EXTENSION SCHEDULE						
STATION	OFFSET	LOCATION	TO STATION	OFFSET	LOCATION	CONCRETE BOX CULVERTS (CU YD)
337+10.77	29.21'	LT	TO			1.5
337+11.36	28.19'	LT	TO 337+15.34	21.24'	LT	2
337+40.35	22.55'	RT	TO 337+44.33	29.50'	RT	2
337+44.94	30.56'	RT	TO			1.5
						3
						4

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		CHECKED - JSA	REVISED -
		DATE - 01/30/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
SCALE: N.T.S.	SHEET NO. 5 OF 32 SHEETS	STA.	TO STA.	310	(87B)BR	SCHUYLER	32	6
CONTRACT NO. 72B95								
ILLINOIS FED. AID PROJECT								

DATE	
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NOTE BOOK	
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FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
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FILE NAME	

PAVING SCHEDULE

STATION	TO	STATION	LOCATION	LENGTH (FT)	HOT-MIX ASPHALT BASE COURSE WIDENING, 10" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE (PRIME COAT) (TON)	LEVELING BINDER (MACHINE METHOD), N70 (TON)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (TON)	BRIDGE APPROACH PAVEMENT (SQ YD)	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) (SQ YD)	AGGREGATE SHOULDERS, TYPE B (SPECIAL) (TON)	HOT-MIX ASPHALT SHOULDERS (TON)	HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)
315+64.00	TO	324+89.21	RT	925.2									53.7		
315+64.00	TO	322+00.00	RT	636.0											410.7
316+52.00	TO	324+89.21	LT	837.2									48.6		
316+52.00	TO	322+00.00	LT	548.0											347.0
320+00.00	TO	320+30.00		30.0					80.0						
320+00.00	TO	320+30.00		30.0											
320+00.00	TO	324+71.21		471.2		0.97	5.0	53.6		107.2					
320+00.00	TO	324+71.21	RT	471.2										40.1	
320+00.00	TO	324+71.21	LT	471.2										40.1	
322+00.00	TO	324+71.21	RT	271.2	180.8										
322+00.00	TO	324+71.21	LT	271.2	180.8										
324+25.00	TO	324+77.21	LT	52.2				5.1							
324+25.00	TO	324+77.21	RT	52.2				6.6							
324+48.71	TO	324+78.71		30.0											
324+71.21	TO	324+77.21		6.0								24.0			
324+77.21	TO	325+07.21		30.0							120.0				
326+82.79	TO	327+12.79		30.0							120.0				
327+12.79	TO	327+18.79		6.0								24.0			
327+18.79	TO	330+00.00	RT	281.2	187.5										
327+18.79	TO	330+00.00	LT	281.2	187.5										
327+12.79	TO	332+00.00	RT	487.2										40.9	
327+12.79	TO	332+00.00	LT	487.2										40.9	
327+12.79	TO	327+75.00	LT	62.2				6.1							
327+12.79	TO	327+75.00	RT	62.2				7.8							
326+82.29	TO	327+75.00		93											
327+00.71	TO	332+63.00	RT	562.3									33.0		
327+00.71	TO	337+13.00	LT	1012.3									58.6		
327+11.46	TO	327+41.46		30.0											
327+18.79	TO	332+00.00		481.2		0.99	5.0	54.7		109.4					
327+11.51	TO	332+00.00		488.5											
330+00.00	TO	332+63.00	RT	263.0											157.8
330+00.00	TO	337+13.00	LT	713.0											462.0
331+70.00	TO	332+00.00		30.0					80.0						
331+70.00	TO	332+00.00		30.0											
TOTAL					736.6	1.96	10.0	133.9	160.0	216.6	240.0	48.0	193.9	162.0	1377.5

GUARDRAIL SCHEDULE

LOCATION	LT/RT	STEEL PLATE BEAM GUARD- RAIL, TYPE A (FOOT)	TRAFFIC BARRIER TERMINAL			TERMINAL MARKER - DIRECT APPLIED (EACH)	
			TYPE 1, SPECIAL (TAN) (EACH)	TYPE 6A (EACH)	GUARDRAIL MARKER TYPE A (EACH)		
316+14.78	316+64.78	RT	1			1	
316+64.78	324+64.78	RT	800.0		11		
317+02.28	317+52.28	LT	1			1	
317+52.28	324+64.78	LT	712.5		10		
324+64.78	325+08.53	LT		1	1		
324+64.78	325+08.53	RT		1	1		
326+81.41	327+25.16	LT		1	1		
326+81.41	327+25.16	RT		1	1		
327+25.16	331+62.66	RT	437.5		6		
327+25.16	336+12.66	LT	887.5		12		
331+62.66	332+12.66	RT		1		1	
336+12.66	336+62.66	LT		1		1	
TOTALS			1512.5	4	4	45	4

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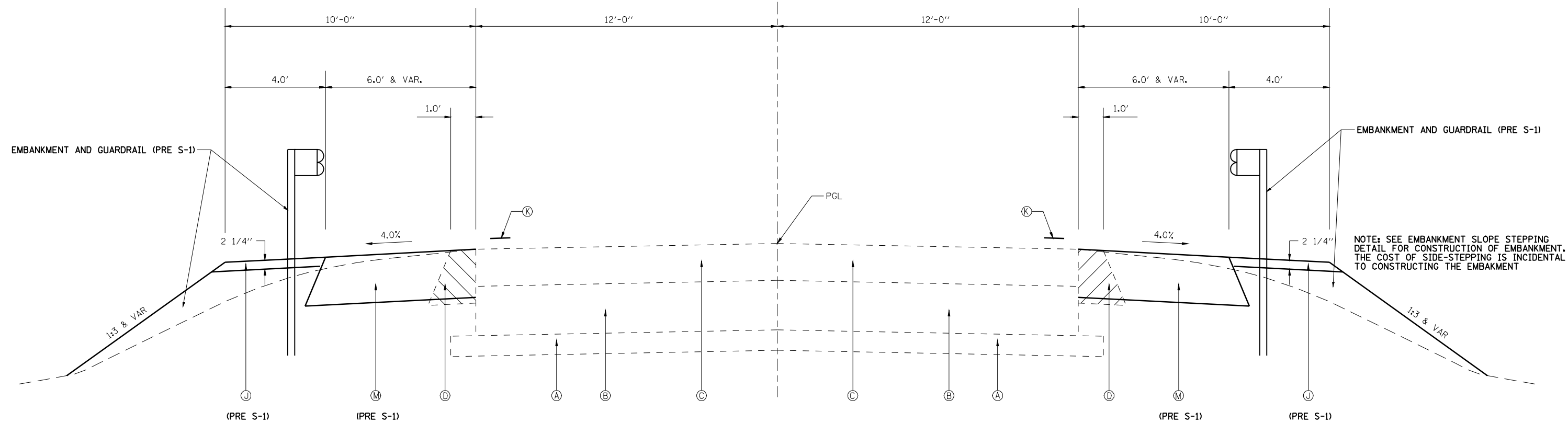
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET NO. 5 OF 32 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	32	7
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CADD FILE NAME	



NOTE: SEE EMBANKMENT SLOPE STEPPING DETAIL FOR CONSTRUCTION OF EMBANKMENT. THE COST OF SIDE-STEPPING IS INCIDENTAL TO CONSTRUCTING THE EMBANKMENT

FAP 310 - TYPICAL CROSS SECTION

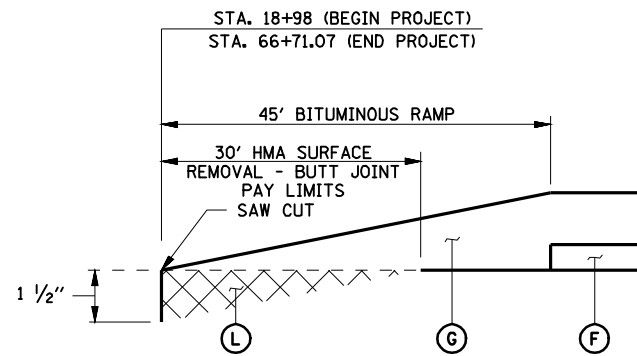
LT STA 316+52.00 TO LT STA 320+00.00
 RT STA 315+64.00 TO RT STA 320+00.00
 LT STA 332+00.00 TO LT STA 337+13.00
 RT STA 332+00.00 TO RT STA 332+63.00

NOTES:

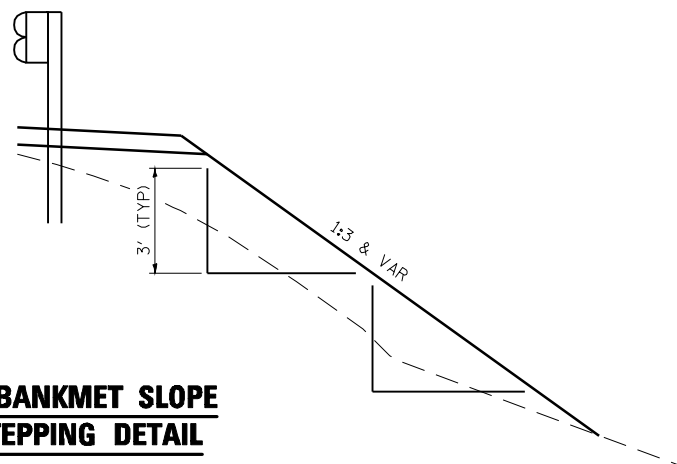
- SEE "PLAN SHEETS" FOR TAPER LOCATIONS.
- SEE "PLAN SHEETS" FOR GUARDRAIL LOCATIONS.

LEGEND

- (A) EX SUB-BASE GRANULAR MATERIAL, 4"
- (B) EX HMA PCC BASE COURSE, 8"
- (C) EX HMA SURFACE, 8" ±
- (D) EX HMA SHOULDER, 10" ±
- (E) PR HMA BASE COURSE WIDENING 10"
- (F) PR LEVELING BINDER (MACHINE METHOD), N70 (3/4" & VAR.)
- (G) PR HOT-MIX ASPHALT SURFACE COURSE MIX C, N70 (1 1/2")
- (H) PR HOT-MIX ASPHALT BASE COURSE/WIDENING, N70 (10")
- (I) PR HOT-MIX ASPHALT SHOULDER, N30 (2 1/4" & VAR.)
- (J) PR AGGREGATE SHOULDER, TYPE B (2 1/4" & VAR.)
- (K) PR PAVEMENT MARKING, LINE - 5"
- (L) PR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (M) PR HOT-MIX ASPHALT SHOULDERS, 8"



HMA RAMP DETAIL



EMBANKMENT SLOPE STEPPING DETAIL

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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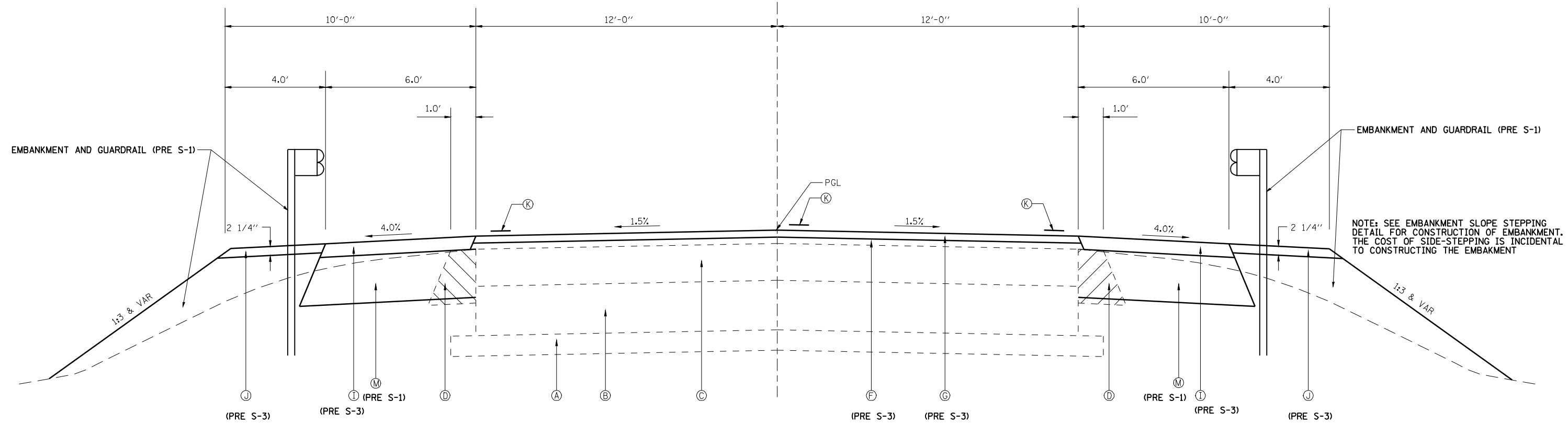
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87)BJR	SCHUYLER	80	8
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	FILE NAME	

PROFILE	REVIEWED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



NOTE: SEE EMBANKMENT SLOPE STEPPING DETAIL FOR CONSTRUCTION OF EMBANKMENT. THE COST OF SIDE-STEPPING IS INCIDENTAL TO CONSTRUCTING THE EMBANKMENT

FAP 310 - TYPICAL CROSS SECTION

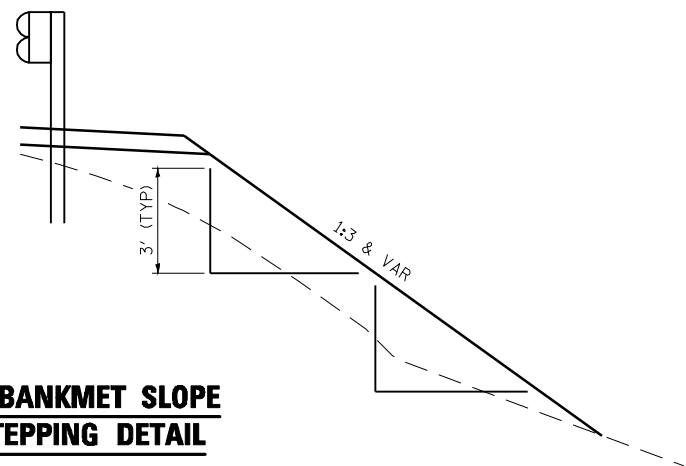
STA 320+00.00 TO STA 322+00.00
 STA 330+00.00 TO STA 332+00.00

NOTES:

- SEE "PLAN SHEETS" FOR TAPER LOCATIONS.
- SEE "PLAN SHEETS" FOR GUARDRAIL LOCATIONS.

LEGEND

- (A) EX SUB-BASE GRANULAR MATERIAL, 4"
- (B) EX HMA PCC BASE COURSE, 8"
- (C) EX HMA SURFACE, 8" ±
- (D) EX HMA SHOULDER, 10" ±
- (E) PR HMA BASE COURSE WIDENING 10"
- (F) PR LEVELING BINDER (MACHINE METHOD), N70 (3/4" & VAR.)
- (G) PR HOT-MIX ASPHALT SURFACE COURSE MIX C, N70 (1 1/2")
- (H) PR HOT-MIX ASPHALT BASE COURSE/WIDENING, N70 (10")
- (I) PR HOT-MIX ASPHALT SHOULDER, N30 (2 1/4" & VAR.)
- (J) PR AGGREGATE SHOULDER, TYPE B (2 1/4" & VAR.)
- (K) PR PAVEMENT MARKING, LINE - 5"
- (L) PR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (M) PR HOT-MIX ASPHALT SHOULDERS, 8"



EMBANKMET SLOPE STEPPING DETAIL

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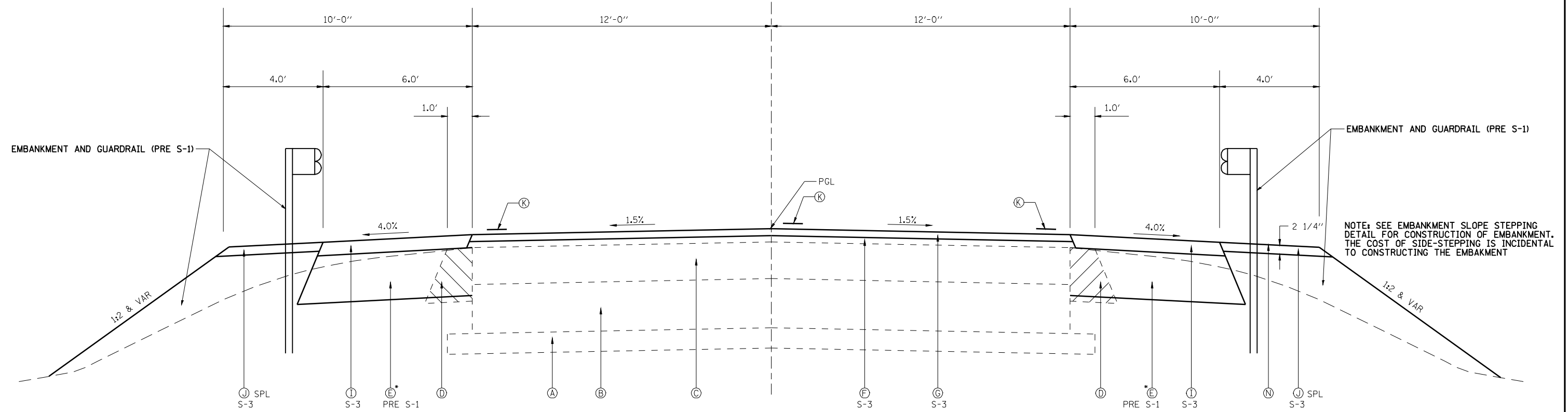
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	9
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CHECKED	
FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CHECKED	
FILE NAME	



NOTE: SEE EMBAKMENT SLOPE STEPPING DETAIL FOR CONSTRUCTION OF EMBAKMENT. THE COST OF SIDE-STEPPING IS INCIDENTAL TO CONSTRUCTING THE EMBAKMENT

FAP 310 - TYPICAL CROSS SECTION

- STA 322+00.00 TO STA 324+71.21 - FLEX. APPR. PAVT. (STD 420401)
- STA 324+71.21 TO STA 324+77.21 - BRIDGE APPR. PAVT. (SEE DETAILS)
- STA 324+77.21 TO STA 325+07.21 - BRIDGE REHAB. (SEE DETAILS)
- STA 325+08.53 TO STA 326+81.46 - BRIDGE APPR. PAVT. (SEE DETAILS)
- STA 326+82.79 TO STA 327+12.79 - BRIDGE APPR. PAVT. (SEE DETAILS)
- STA 327+12.79 TO STA 327+18.79 - FLEX. PAVT. CONN. (STD. 420401)
- STA 327+18.79 TO STA 330+00.00

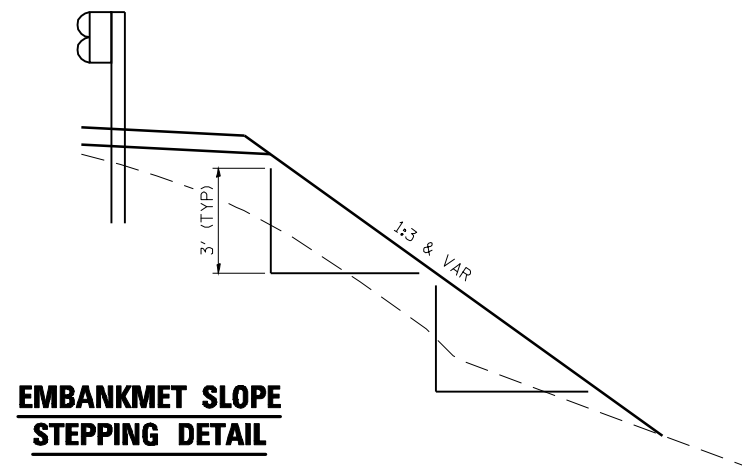
NOTES:

1. SEE "PLAN SHEETS" FOR TAPER LOCATIONS.
2. SEE "PLAN SHEETS" FOR GUARDRAIL LOCATIONS.

LEGEND

- (A) EX SUB-BASE GRANULAR MATERIAL, 4"
- (B) EX HMA PCC BASE COURSE, 8"
- (C) EX HMA SURFACE, 8" ±
- (D) EX HMA SHOULDER, 10" ±
- (E) PR HMA BASE COURSE WIDENING 10"
- (F) PR LEVELING BINDER (MACHINE METHOD), N70 (3/4" & VAR.)
- (G) PR HOT-MIX ASPHALT SURFACE COURSE MIX C, N70 (1 1/2")
- (H) PR HOT-MIX ASPHALT BASE COURSE/WIDENING, N70 (10")
- (I) PR HOT-MIX ASPHALT SHOULDER, N30 (2 1/4" & VAR.)
- (J) PR AGGREGATE SHOULDER, TYPE B (2 1/4" & VAR.)
- (K) PR PAVEMENT MARKING, LINE - 5"
- (L) PR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (M) PR HOT-MIX ASPHALT SHOULDERS, 8"

* PR HMA BASE CSE, WID. WILL PROBABLY HAVE TO BE CONSTRUCTED TO FULL WIDTH IN TWO STAGES. IN PRE S-1, IT SHOULD BE CONSTRUCTED TO THE FACE OF THE EXISTING GUARDRAIL, THEN IN S-1/S-2 AFTER THE GUARDRAIL IS REMOVED, IT SHOULD BE FURTHER WIDENED TO FULL WIDTH - EVEN WITH THE FACE OF THE PROPOSED GUARDRAIL.



EMBAKMET SLOPE STEPPING DETAIL

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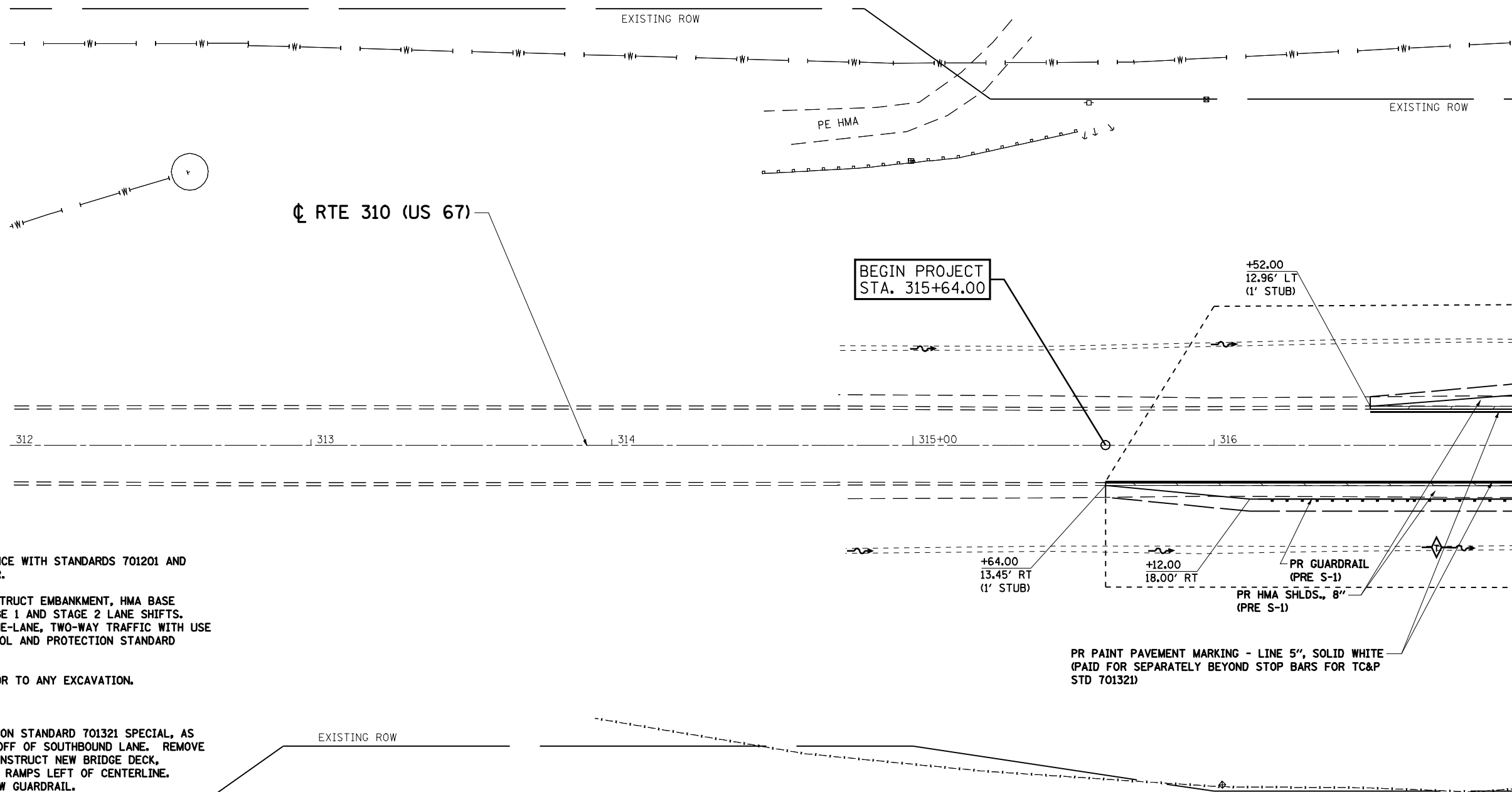
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	10
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
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PLANNED	
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NOTE BOOK	
NO. _____	
GRADES CHECKED	
STRUCTURE	
NOTATION CHKD	



PRE-STAGE 1 SEQUENCE OF CONSTRUCTION

1. LANE CLOSURES AS NEEDED IN ACCORDANCE WITH STANDARDS 701201 AND 701326 AND AS DIRECTED BY THE ENGINEER.
2. REMOVE THE EXISTING SHOULDERS, CONSTRUCT EMBANKMENT, HMA BASE COURSE WIDENING, AND GUARDAIL FOR STAGE 1 AND STAGE 2 LANE SHIFTS. THIS WORK IS TO BE COMPLETED UNDER ONE-LANE, TWO-WAY TRAFFIC WITH USE OF DAYTIME FLAGGERS AND TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
3. INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY EXCAVATION.

STAGE 1 SEQUENCE OF CONSTRUCTION

1. SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF SOUTHBOUND LANE. REMOVE SOUTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

GENERAL NOTES:

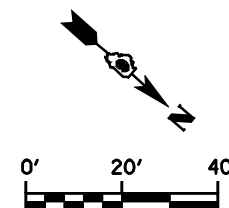
1. DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2. EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
3. VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
4. THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

5. REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
6. THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH: (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
7. THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

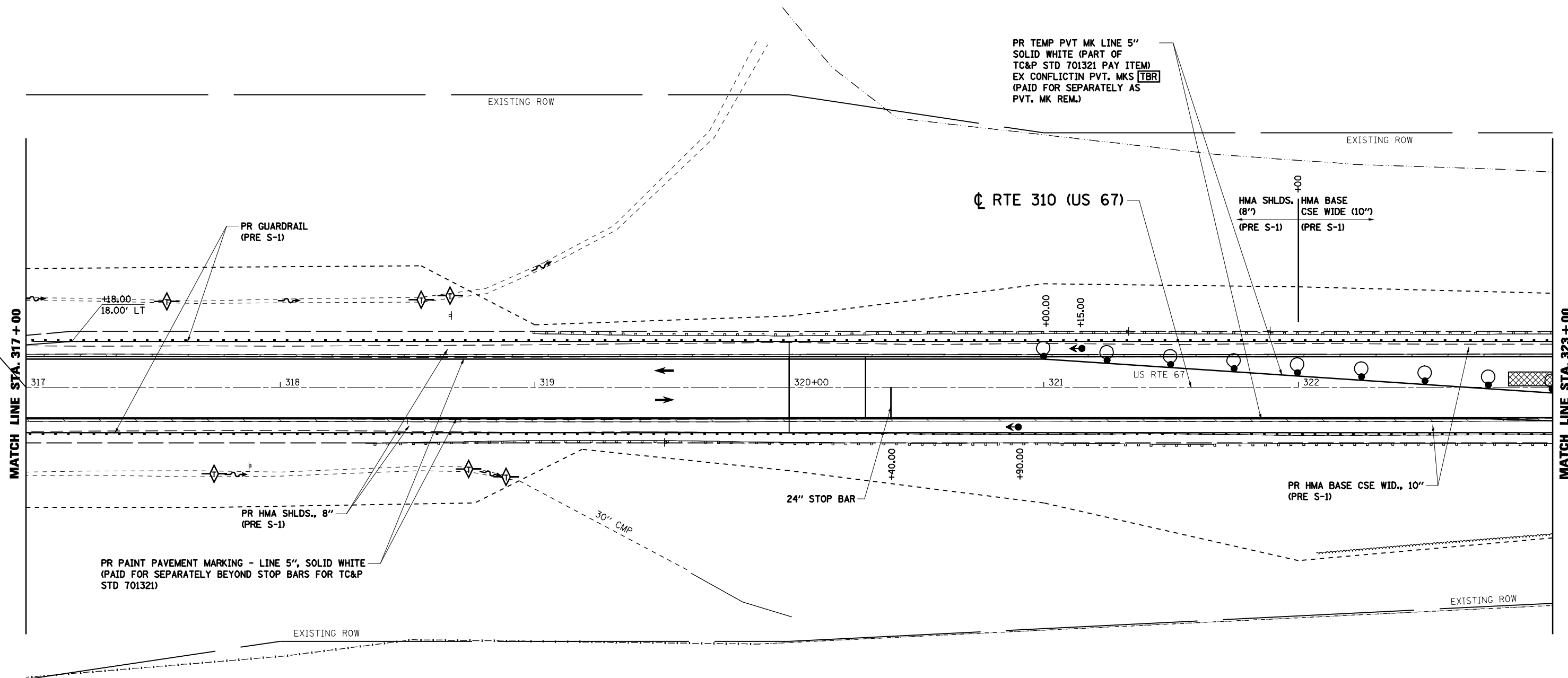
**MAINTENANCE OF TRAFFIC STAGE 1
STA. 312+00 TO 317+00**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	11
CONTRACT NO. 72B95			ILLINOIS FED. AID PROJECT	

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PR TEMP PVT MK LINE 5"
SOLID WHITE (PART OF
TC&P STD 701321 PAY ITEM)
EX CONFLICTIN PVT. MKS [TBR]
(PAID FOR SEPARATELY AS
PVT. MK REM.)

PR PAINT PAVEMENT MARKING - LINE 5", SOLID WHITE
(PAID FOR SEPARATELY BEYOND STOP BARS FOR TC&P
STD 701321)

GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

PRE-STAGE 1 SEQUENCE OF CONSTRUCTION

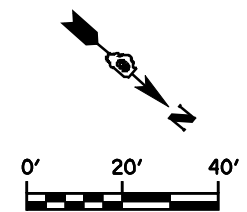
- LANE CLOSURES AS NEEDED IN ACCORDANCE WITH STANDARDS 701201 AND 701326 AND AS DIRECTED BY THE ENGINEER.
- REMOVE THE EXISTING SHOULDERS, CONSTRUCT EMBANKMENT, HMA BASE COURSE WIDENING, AND GUARDRAIL FOR STAGE 1 AND STAGE 2 LANE SHIFTS. THIS WORK IS TO BE COMPLETED UNDER ONE-LANE, TWO-WAY TRAFFIC WITH USE OF DAYTIME FLAGGERS AND TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
- INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY EXCAVATION.

STAGE 1 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF SOUTHBOUND LANE. REMOVE SOUTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- ◉ DRUM WITH STEAD BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



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		DATE - 08/18/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

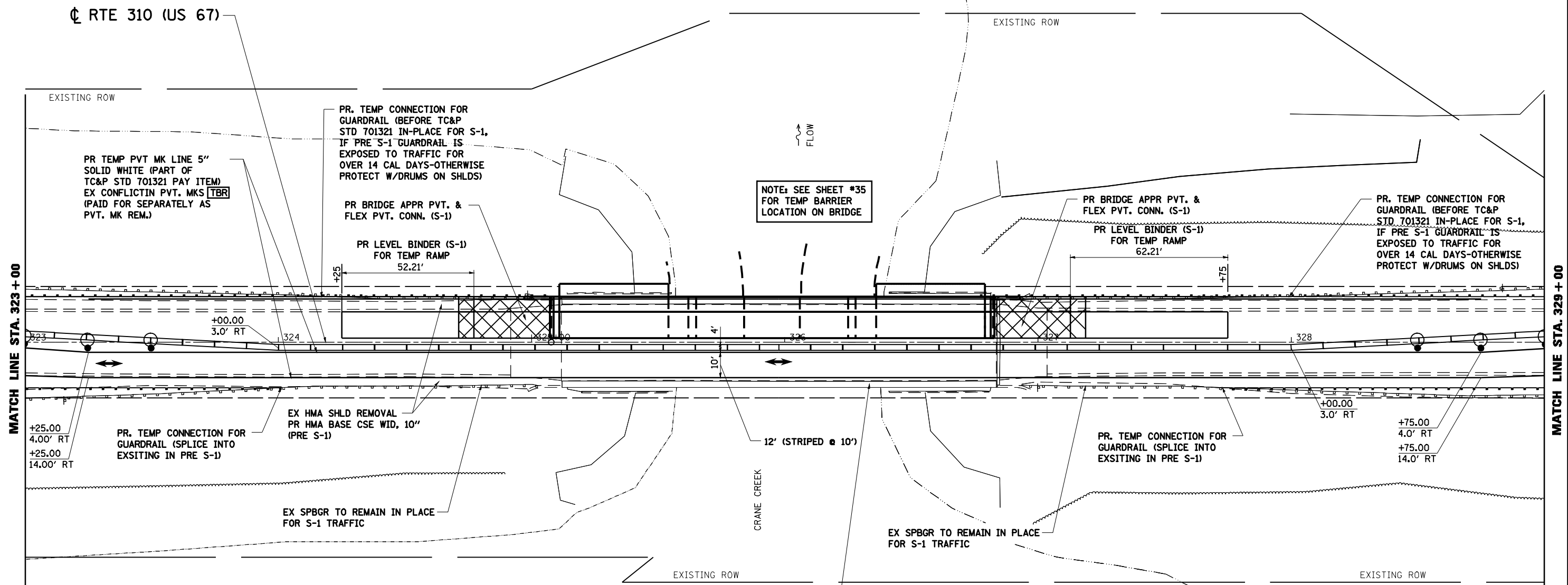
**MAINTENANCE OF TRAFFIC STAGE 1
STA. 317+00 TO STA. 323+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	12
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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NOTE BOOK	
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DATE	
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REVISIONS	
PROFILE	
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NOTE BOOK	
NO.	
STRUCTURE	
NOTATION	
CHKD	



GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

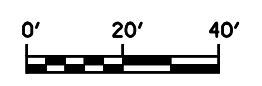
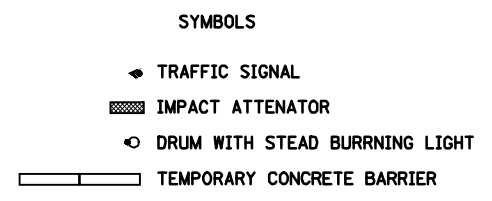
- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH: (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

PRE-STAGE 1 SEQUENCE OF CONSTRUCTION

- LANE CLOSURES AS NEEDED IN ACCORDANCE WITH STANDARDS 701201 AND 701326 AND AS DIRECTED BY THE ENGINEER.
- REMOVE THE EXISTING SHOULDERS, CONSTRUCT EMBANKMENT, HMA BASE COURSE WIDENING, AND GUARDRAIL FOR STAGE 1 AND STAGE 2 LANE SHIFTS. THIS WORK IS TO BE COMPLETED UNDER ONE-LANE, TWO-WAY TRAFFIC WITH USE OF DAYTIME FLAGGERS AND TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
- INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY EXCAVATION.

STAGE 1 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF SOUTHBOUND LANE. REMOVE SOUTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.



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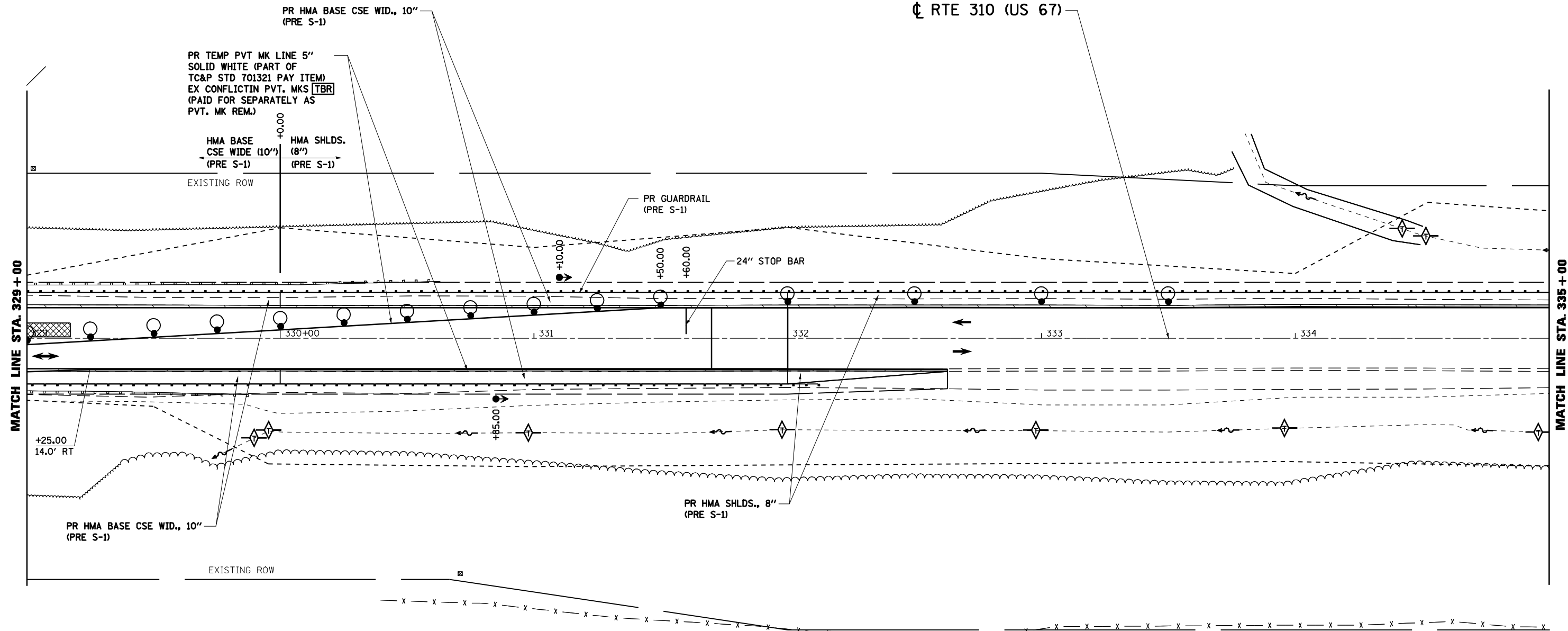
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1 STA. 323+00 TO 329+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87)B/R	SCHUYLER	80	13
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

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GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH: (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

PRE-STAGE 1 SEQUENCE OF CONSTRUCTION

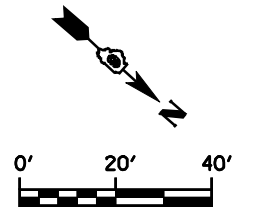
- LANE CLOSURES AS NEEDED IN ACCORDANCE WITH STANDARDS 701201 AND 701326 AND AS DIRECTED BY THE ENGINEER.
- REMOVE THE EXISTING SHOULDERS, CONSTRUCT EMBANKMENT, HMA BASE COURSE WIDENING, AND GUARDRAIL FOR STAGE 1 AND STAGE 2 LANE SHIFTS. THIS WORK IS TO BE COMPLETED UNDER ONE-LANE, TWO-WAY TRAFFIC WITH USE OF DAYTIME FLAGGERS AND TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
- INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY EXCAVATION.

STAGE 1 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF SOUTHBOUND LANE. REMOVE SOUTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENATOR
- ◉ DRUM WITH STEAD BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



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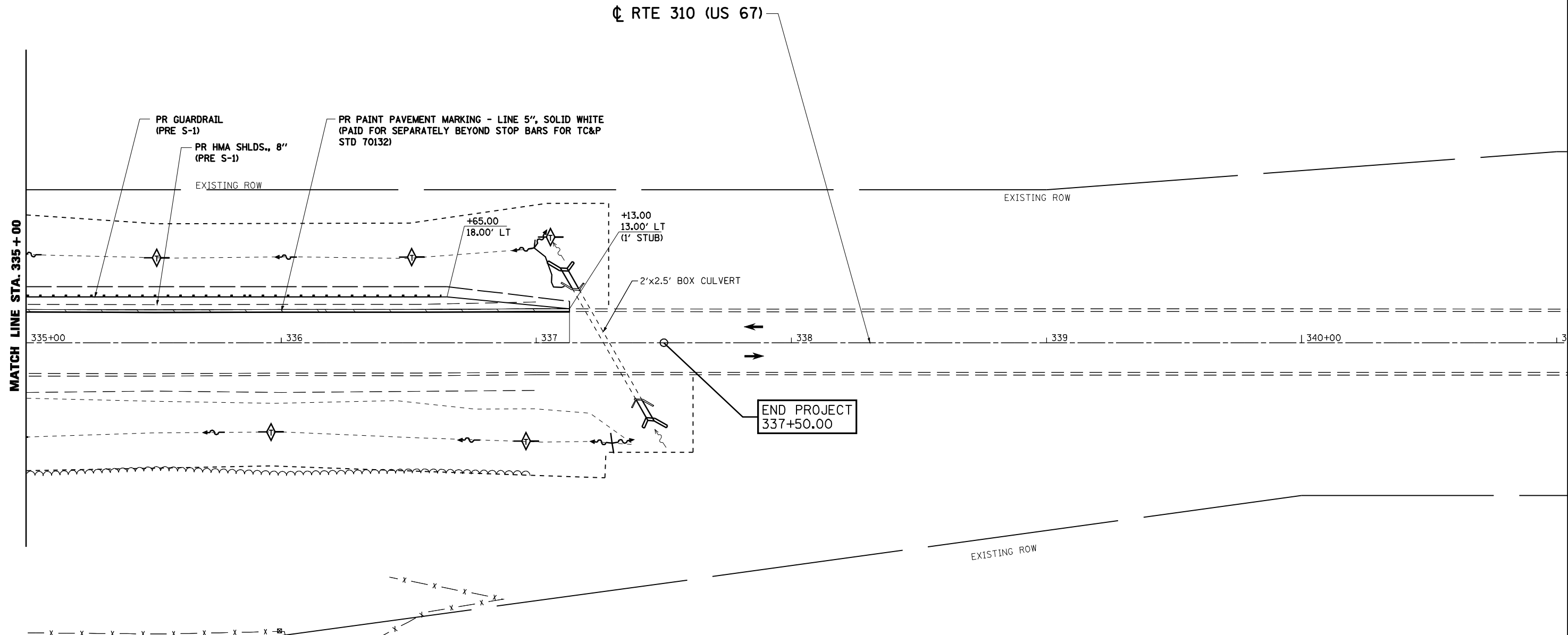
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1 STA. 329 + 00 TO STA. 335 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	14
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
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GRADES CHECKED	
STRUCTURE	
NOTATION	



GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH: (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

PRE-STAGE 1 SEQUENCE OF CONSTRUCTION

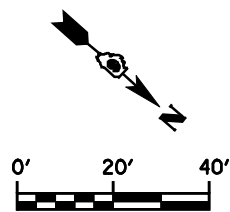
- LANE CLOSURES AS NEEDED IN ACCORDANCE WITH STANDARDS 701201 AND 701326 AND AS DIRECTED BY THE ENGINEER.
- REMOVE THE EXISTING SHOULDERS, CONSTRUCT EMBANKMENT, HMA BASE COURSE WIDENING, AND GUARDRAIL FOR STAGE 1 AND STAGE 2 LANE SHIFTS. THIS WORK IS TO BE COMPLETED UNDER ONE-LANE, TWO-WAY TRAFFIC WITH USE OF DAYTIME FLAGGERS AND TRAFFIC CONTROL AND PROTECTION STANDARD 701326.
- INSTALL EROSION CONTROL SYSTEM PRIOR TO ANY EXCAVATION.

STAGE 1 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF SOUTHBOUND LANE. REMOVE SOUTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◄ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- ◉ DRUM WITH STEADY BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

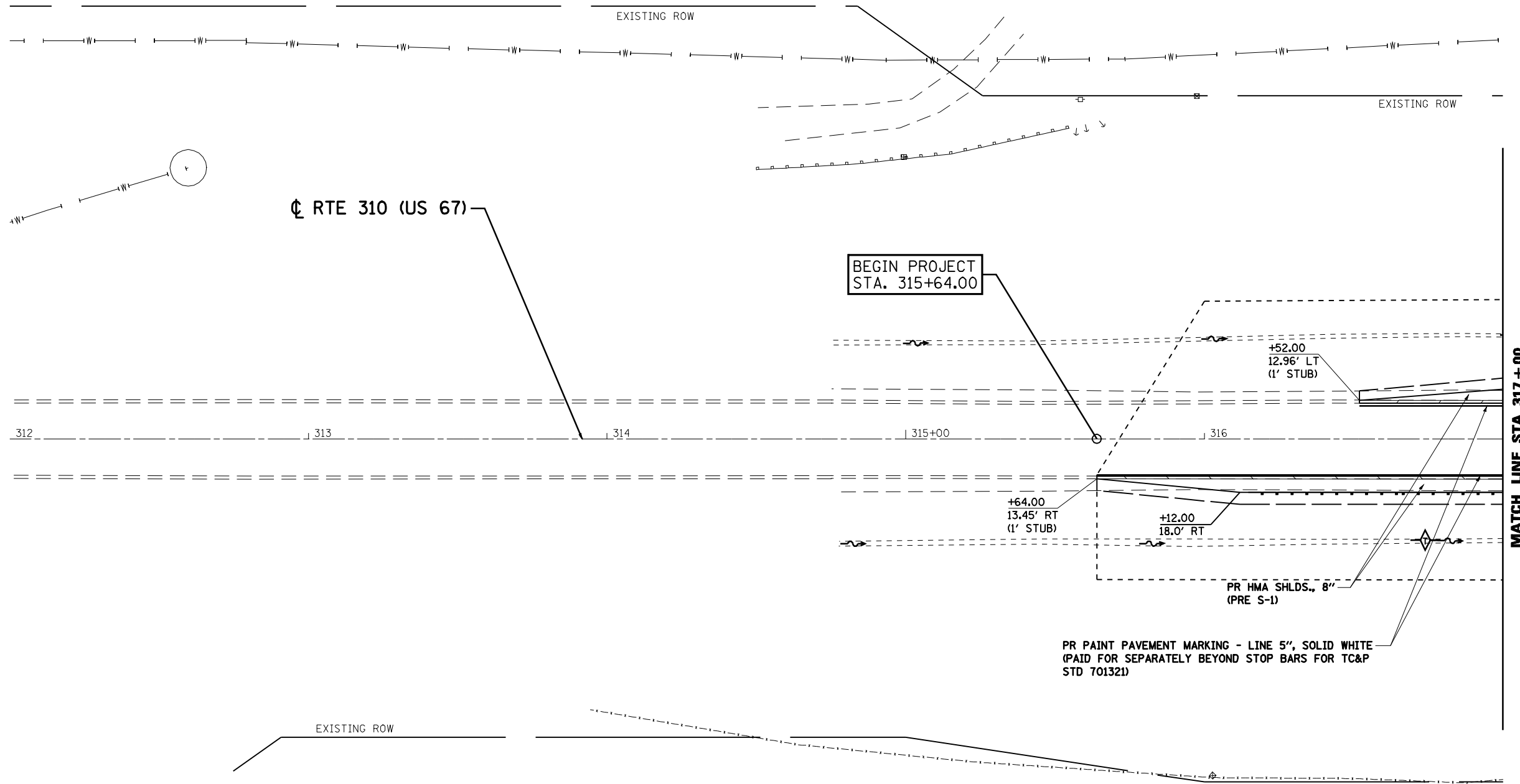
**MAINTENANCE OF TRAFFIC STAGE 1
STA. 335 + 00 TO STA. 337 + 50**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	15
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

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PROFILE	GRADES CHECKED	DATE
NOTE BOOK	STRUCTURE NOTATIONS CHKD	BY
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GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

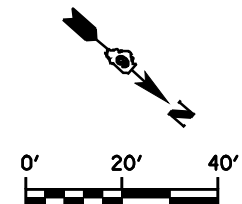
- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

STAGE 2 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF NORTHBOUND LANE. REMOVE NORTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENATOR
- DRUM WITH STEADY BURNING LIGHT
- ▭ TEMPORARY CONCRETE BARRIER



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

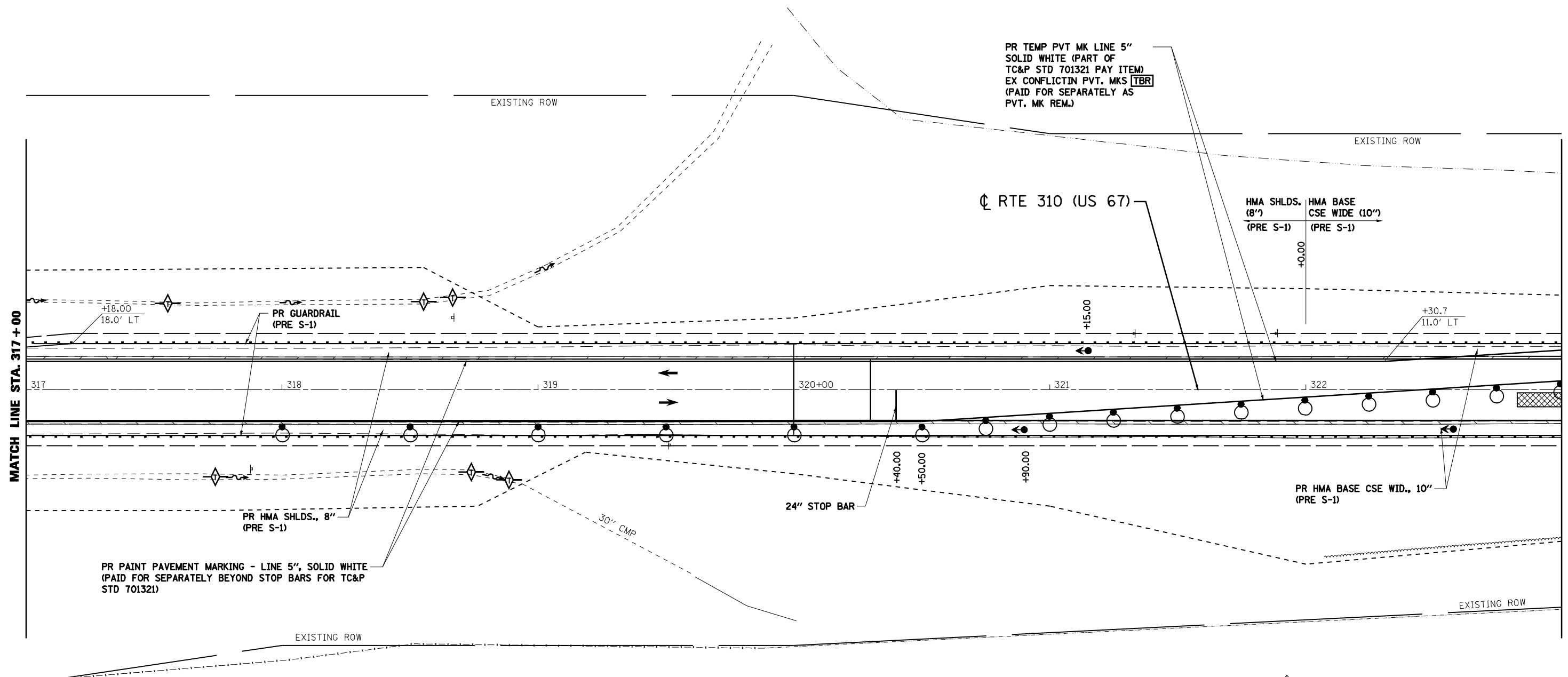
**MAINTENANCE OF TRAFFIC STAGE 2
STA. 312+00 TO 317+00**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	16
CONTRACT NO. 72B95			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	



GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

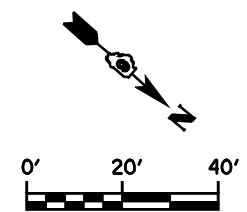
- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

STAGE 2 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF NORTHBOUND LANE. REMOVE NORTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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		CHECKED - JSA	REVISED -
		DATE - 08/18/09	REVISED -

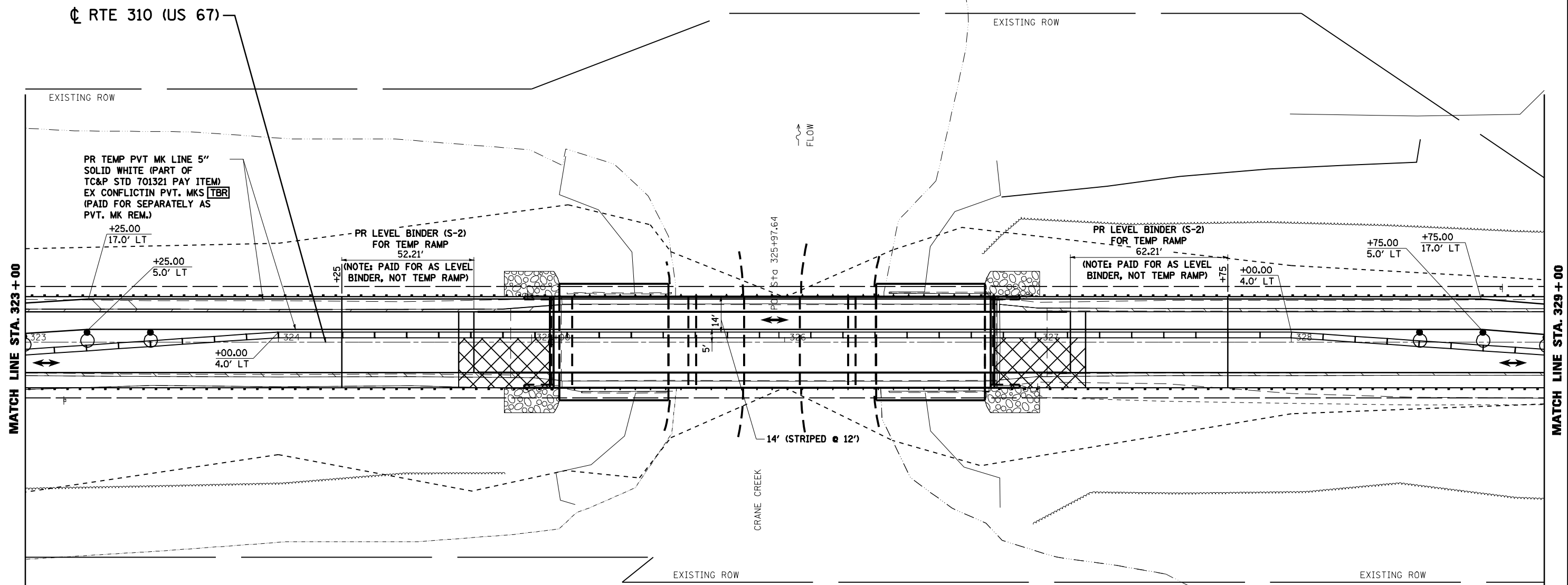
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2 STA. 317 + 00 TO STA. 323 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	17
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	



GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

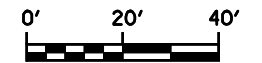
- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

STAGE 2 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF NORTHBOUND LANE. REMOVE NORTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◄ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- ◉ DRUM WITH STEADY BURNING LIGHT
- ▭ TEMPORARY CONCRETE BARRIER



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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		CHECKED - JSA	REVISED -
		DATE - 08/18/09	REVISED -

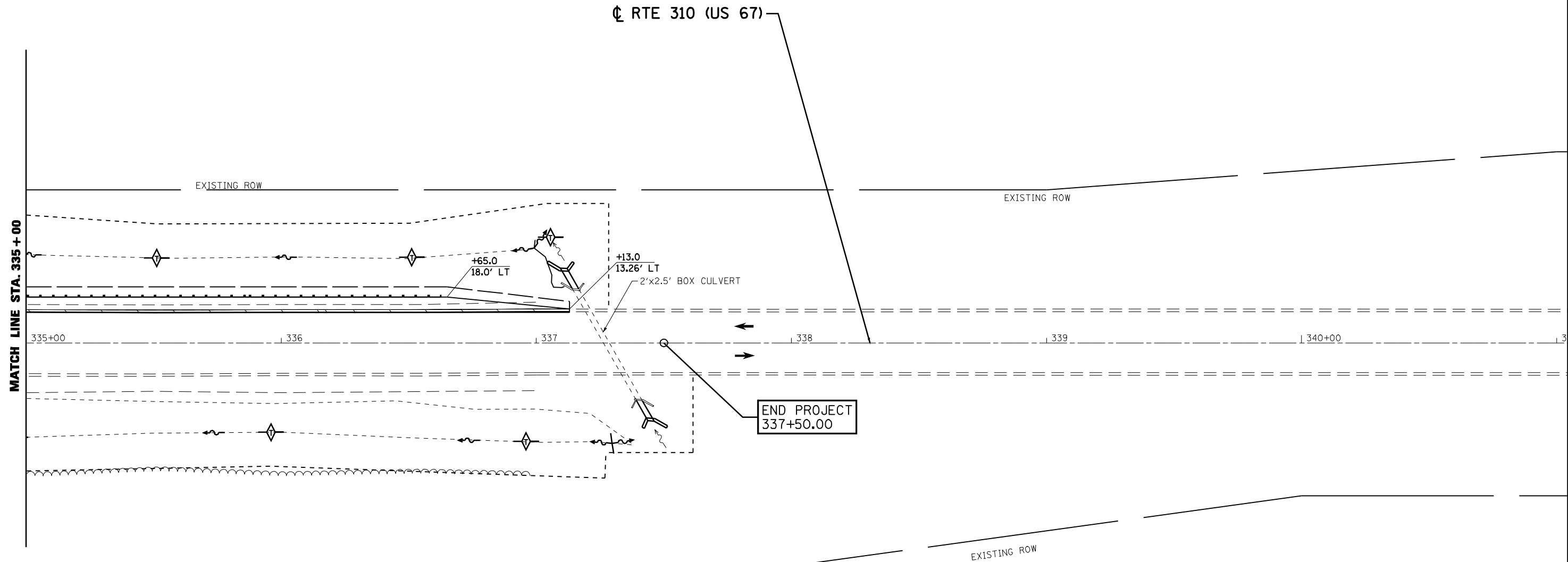
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2			
STA. 323+00 TO 329+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	18
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	
	FILE NAME	

PROFILE	REVIEWED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



GENERAL NOTES:

- DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE PER THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION AND APPROVED BY THE ENGINEER.
- VERTICAL PANELS, DRUMS WITH STEADY BURNING LIGHTS, TYPE III BARRICADES, SIGNS TRAFFIC SIGNALS, MICROWAVE DETECTOR SYSTEMS, DETECTOR LOOPS, AND TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- THE CONTRACTOR SHALL PROVIDE AND ERECT LANE WIDTH AND LOAD RESTRICTION SIGNING. THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL

GENERAL NOTES (CONT.):

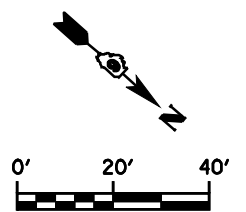
- REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS PH (217) 785-5836 AT LEAST 21 DAYS PRIOR TO IMPLEMENTING STAGE TRAFFIC CONTROL AND WHENEVER A SWITCH IN A STAGING IS TO BE MADE.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 6 TRAFFIC SECTION OF THE BUREAU OF OPERATIONS AT LEAST THREE (3) DAYS PRIOR TO ACTIVATING THE TEMPORARY TRAFFIC SIGNALS. REFER TO DISTRICT 6 SPECIAL PROVISIONS FOR TEMPORARY BRIDGE TRAFFIC SIGNALS FOR CONTACT INFORMATION.

STAGE 2 SEQUENCE OF CONSTRUCTION

- SET-UP TRAFFIC CONTROL AND PROTECTION STANDARD 701321 SPECIAL, AS SHOWN IN THE PLANS AND SHIFT TRAFFIC OFF OF NORTHBOUND LANE. REMOVE NORTHBOUND HALF OF BRIDGE DECK AND CONSTRUCT NEW BRIDGE DECK, APPROACH PAVEMENT, CONNECTOR, AND HMA RAMPS LEFT OF CENTERLINE. REMOVE EXISTING GUARDRAIL. INSTALL NEW GUARDRAIL.

SYMBOLS

- ◀ TRAFFIC SIGNAL
- ▨ IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING LIGHT
- ▬ TEMPORARY CONCRETE BARRIER



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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	PLOT SCALE = 40.0000 ' / IN.	CHECKED - JSA	REVISED -
	PLOT DATE = Aug-26-2009 07:27:34AM	DATE - 08/18/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

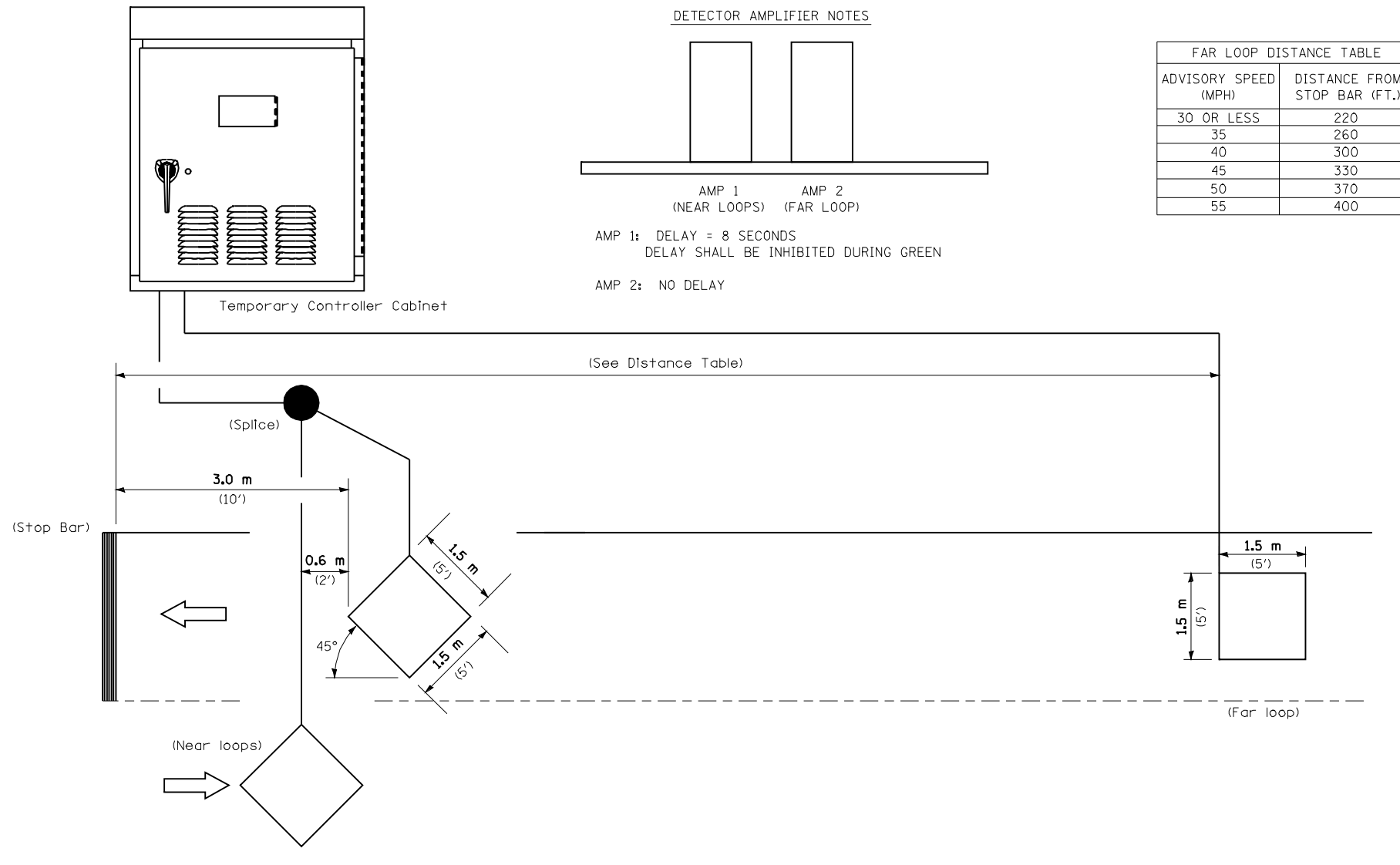
**MAINTENANCE OF TRAFFIC STAGE 2
STA. 335 + 00 TO STA. 337 + 50**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	20
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK		
	NO.		
	FILE NAME		

PROFILE	REVIEWED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHKD		



NOTE: All loops centered in lane.

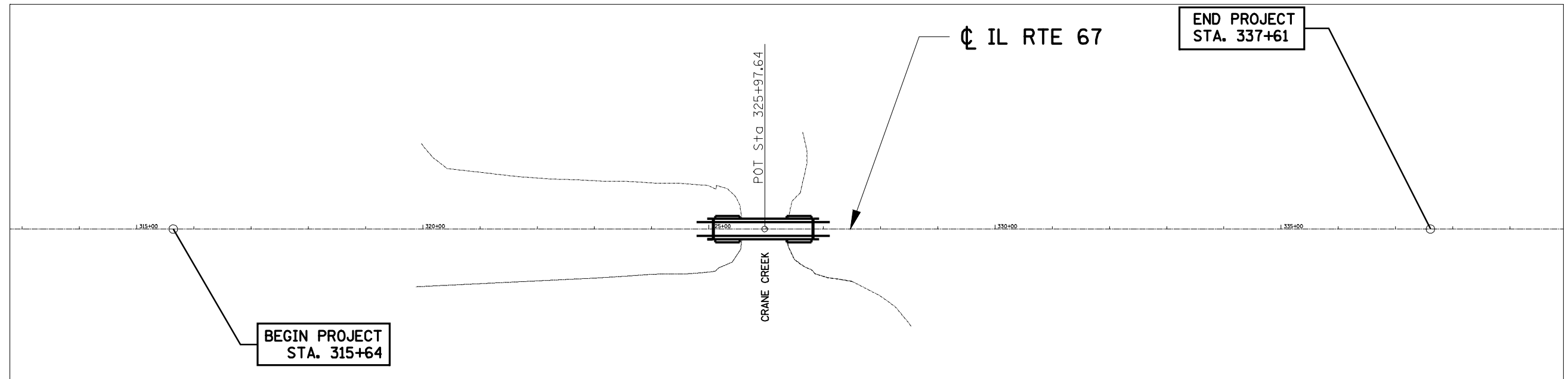
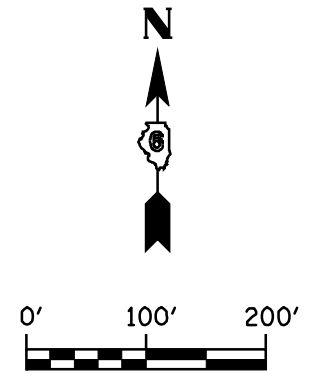
INDUCTION LOOP DETECTOR

BRIDGE TEMP SIGNAL.DGN

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY BRIDGE TRAFFIC SIGNAL LOOP PLACEMENT DETAIL SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwid\LAUGHLINRL\0159736\09060808-sht-TS.dgn	DRAWN - RAW	REVISED -	310					(87B)BR	SCHUYLER	80	21	
PLOT SCALE = 40.0000' / IN.	CHECKED - JSA	REVISED -	CONTRACT NO. 72B95									
PLOT DATE = Aug-26-2009 07:27:37AM	DATE - 08/18/09	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CADD FILE NAME		
	NO.		
	NOTE BOOK		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHK'D		
	NO.		
	NOTE BOOK		



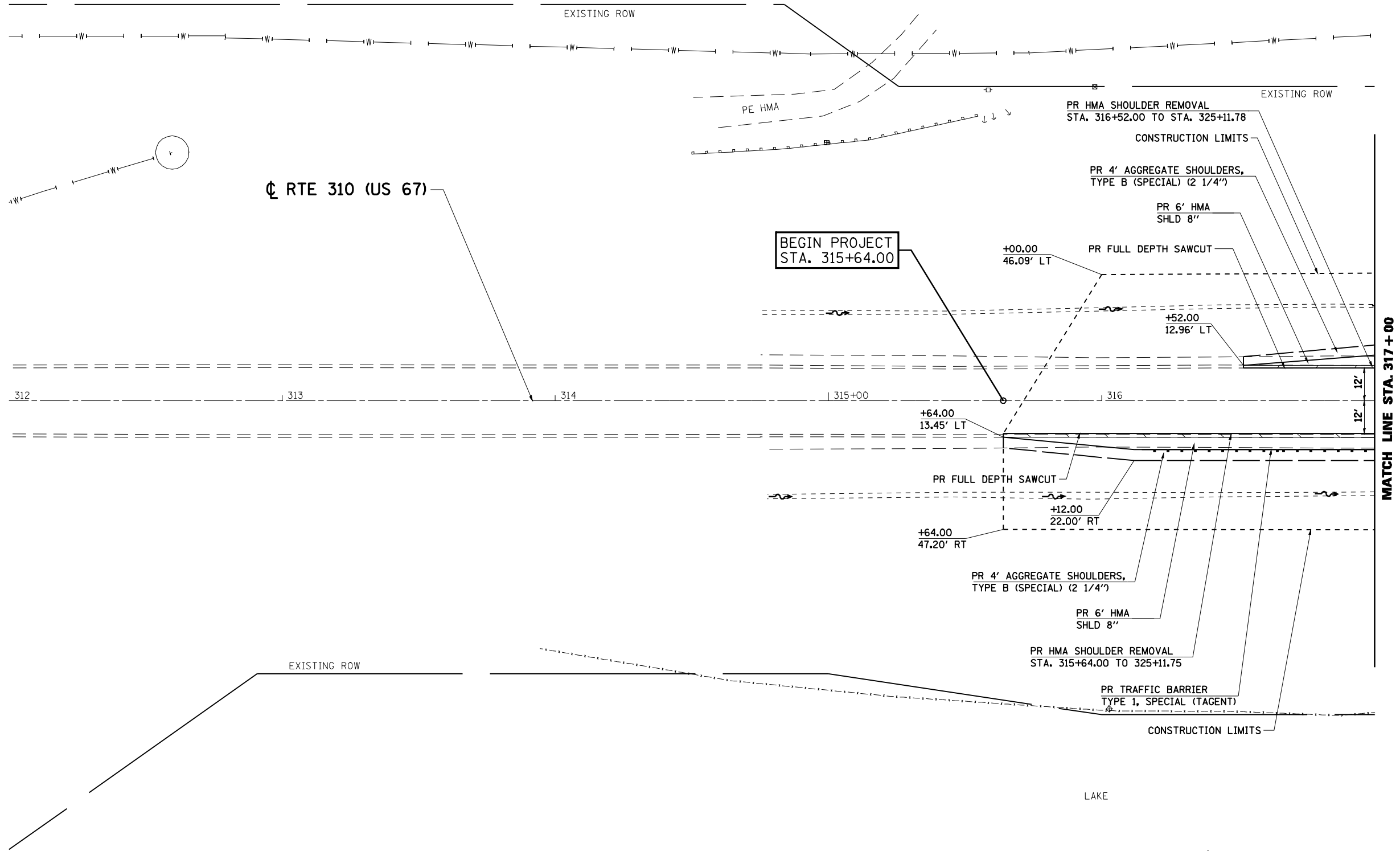
B.M. DA 1 FOUND CHISELED "□" ON TOP OF NORTHEAST CORNER BRIDGE #085-0001 STA. 326+80, 16.6' RT. ELEV. 535.97	B.M. DA 2 FOUND CHISELED "□" ON TOP CENTER OF NORTH CONCRETE HEADWALL STA. 312+01, 22.3' RT. ELEV. 577.71
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES, AND BENCHMARKS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwwork\pwwid0t\LAUGHLINRL\0159736\090608-sht-ATB.dgn		DRAWN - RAW	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	310	(87B)BR	SCHUYLER	80	22
		CHECKED - JSA	REVISED -												
		DATE - 08/18/09	REVISED -												

ILLINOIS FED. AID PROJECT CONTRACT NO. 72B95

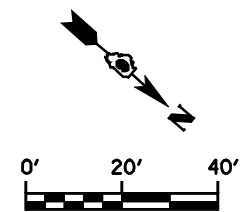
DATE	
BY	
REVIEWED	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
CADD FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
GRADES CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
STRUCTURE	
NOTATIS CHKD	



**BEGIN PROJECT
STA. 315+64.00**

NOTE:
SEE SCHEDULE ON SHEET 7 FOR GUARDRAIL LOCATION



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
c:\pwork\PWIDOT\LAUGHLINRL\0159736\0906008-sh1-Plan.dgn		DRAWN - RAW	REVISED -
		CHECKED - JSA	REVISED -
		DATE - 08/18/09	REVISED -

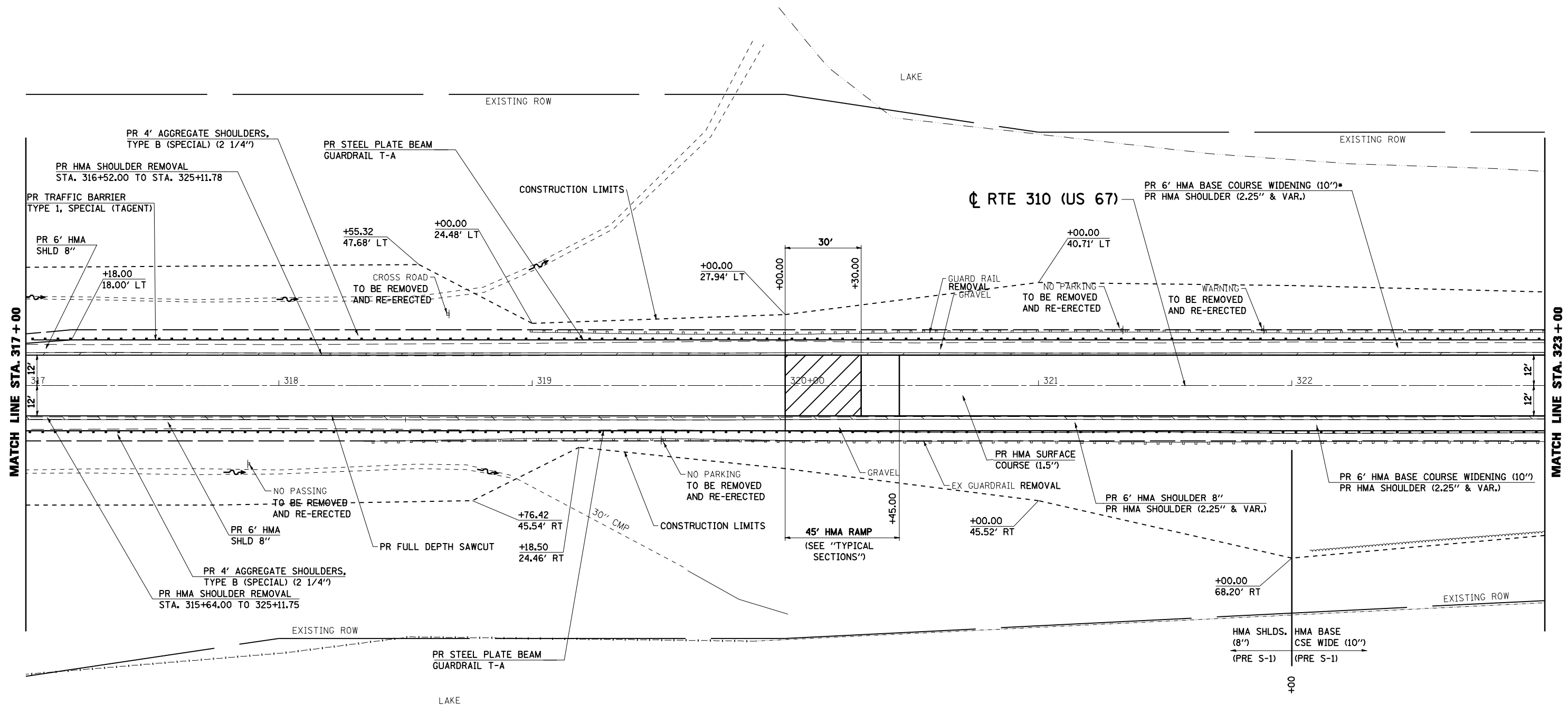
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
STA. 312+00 TO 317+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87)BR	SCHUYLER	80	23
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



NOTE:
SEE SCHEDULE ON SHEET 7 FOR GUARDRAIL LOCATION

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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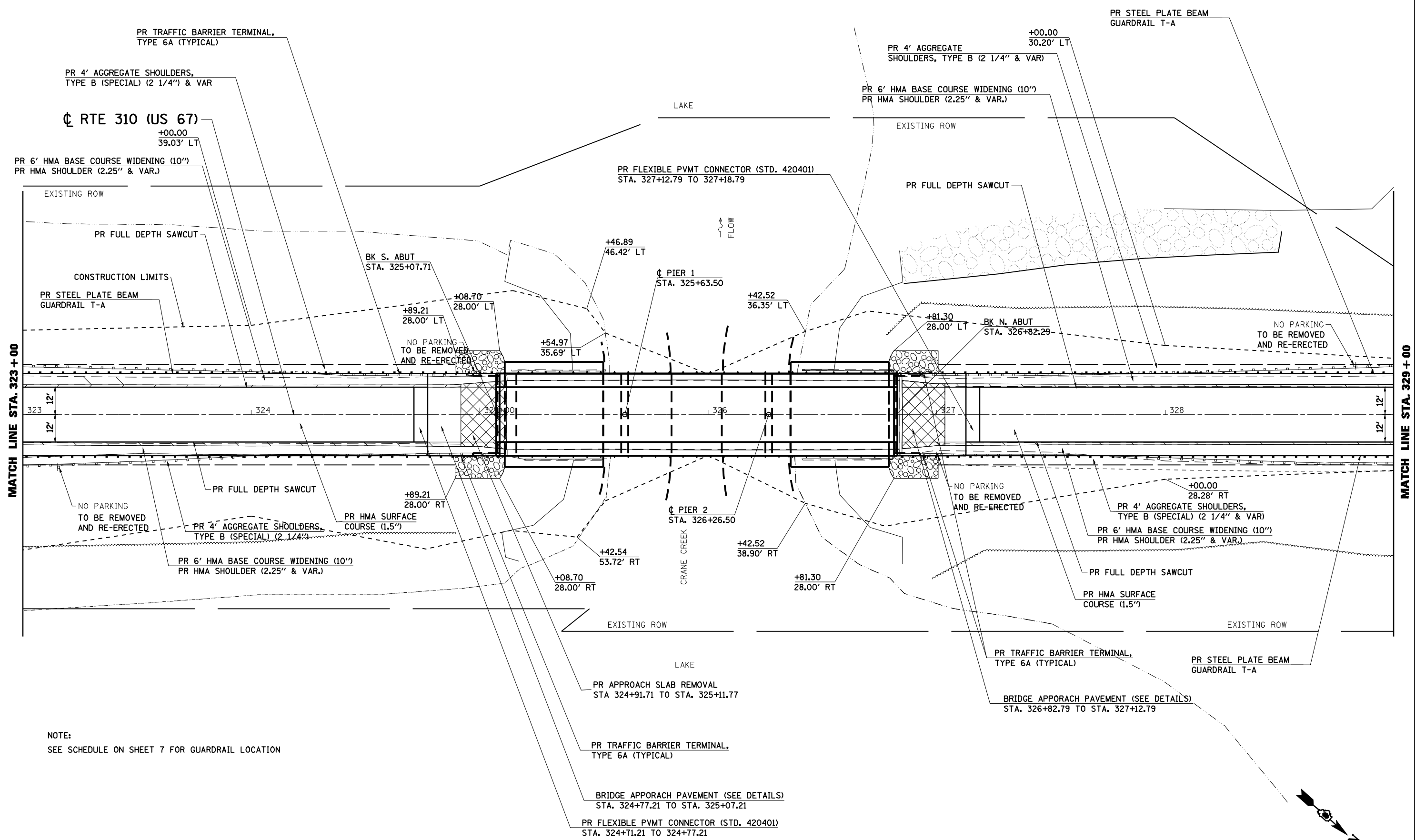
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
STA. 317+00 TO STA. 323+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	25
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
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NOTE:
SEE SCHEDULE ON SHEET 7 FOR GUARDRAIL LOCATION

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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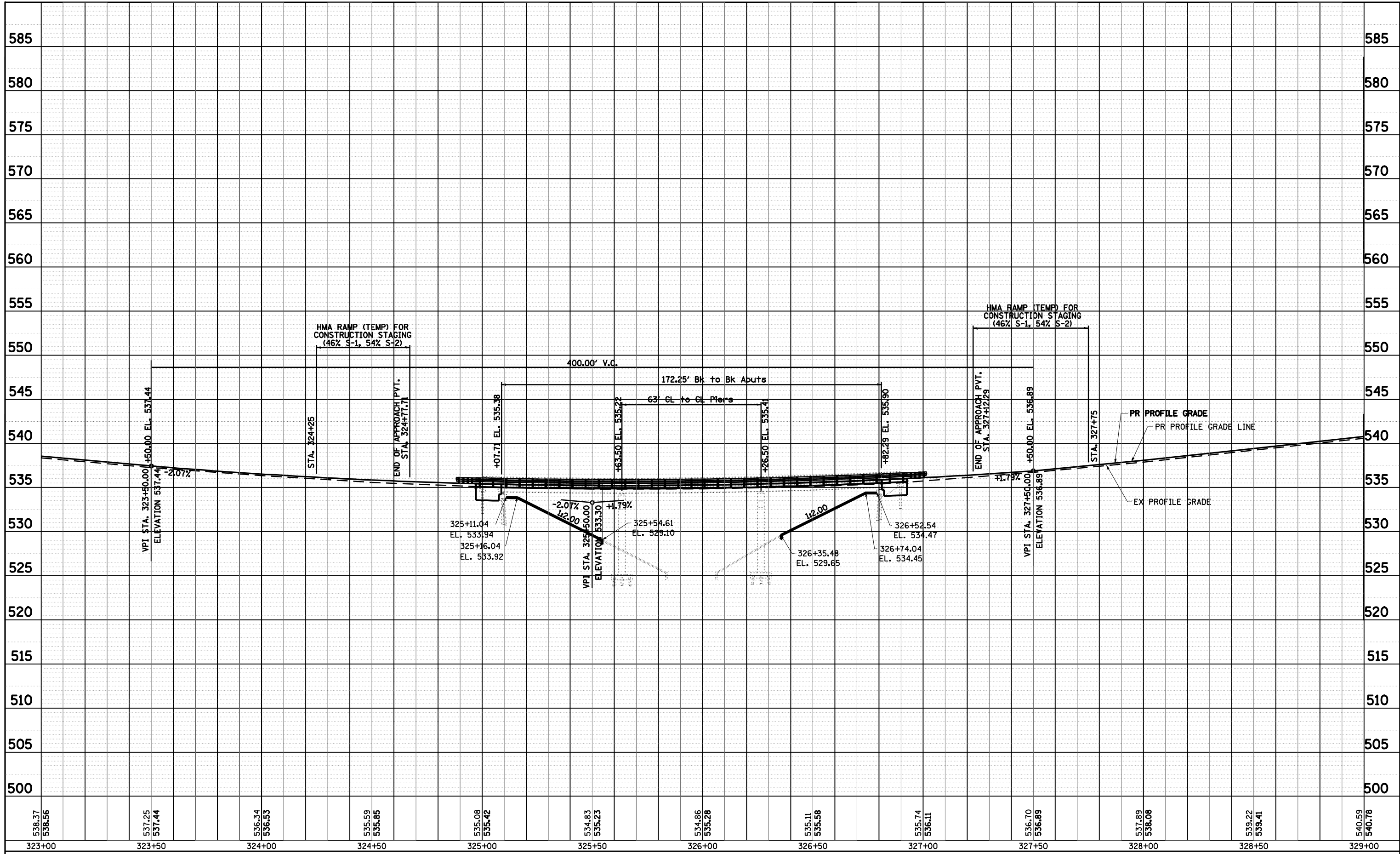
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
STA. 323+00 TO 329+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	27
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	CHECKED		
	CADD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		



538.37 538.56	537.25 537.44	536.34 536.53	535.59 535.85	535.08 535.42	534.83 535.23	534.86 535.28	535.11 535.58	535.74 536.11	536.70 536.89	537.89 538.08	539.22 539.41	540.59 540.78
323+00	323+50	324+00	324+50	325+00	325+50	326+00	326+50	327+00	327+50	328+00	328+50	329+00

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		CHECKED - J.S.A.	REVISED -
		DATE - 08/21/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET			
STA. 323 + 00 TO 329 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	28
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

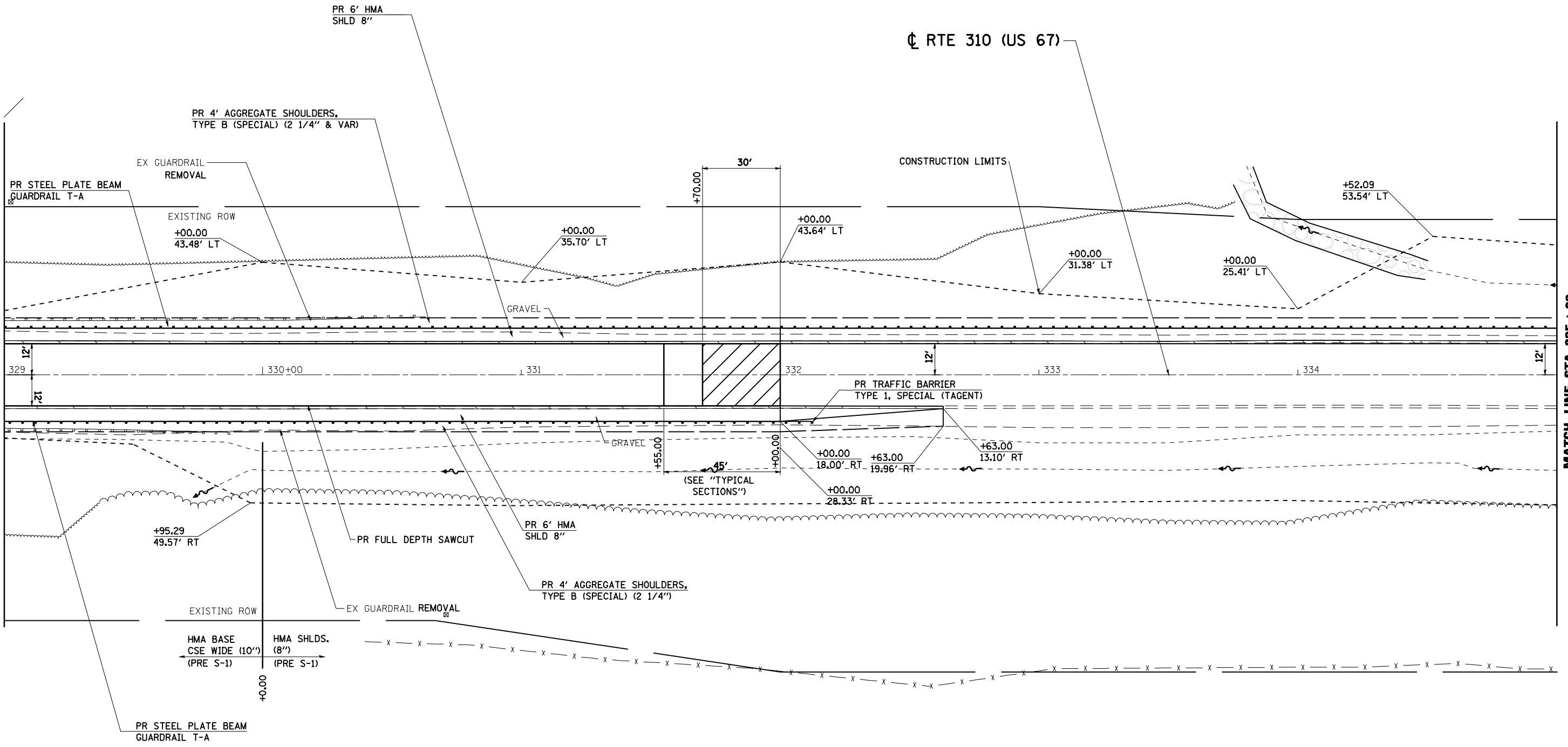
DATE	
BY	
REVIEWED	
PLANNED	
PLAN	
NO.	
NOTE BOOK	
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DATE	
BY	
REVIEWED	
PLANNED	
PROFILE	
NO.	
NOTE BOOK	
NO.	
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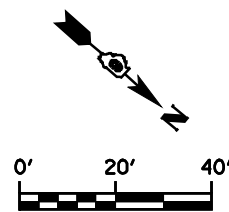
MATCH LINE, STA. 326+00.00

MATCH LINE STA. 329+00

MATCH LINE STA. 335+00



NOTE:
SEE SCHEDULE ON SHEET 7 FOR GUARDRAIL LOCATION



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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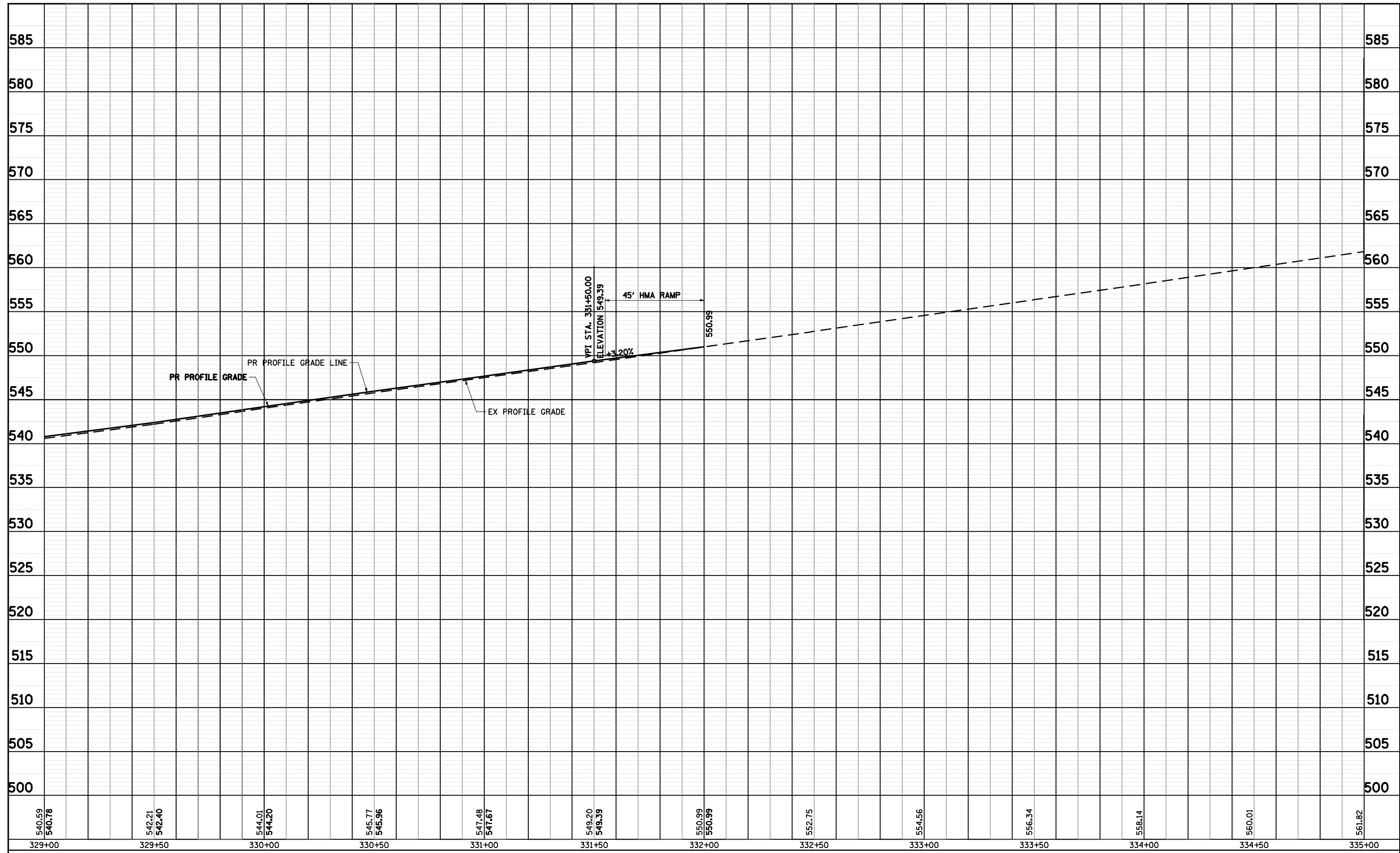
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
STA. 329+00 TO STA. 335+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	29
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	CADD FILE NAME		
NOTE BOOK NO.			

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
NOTE BOOK NO.			



FILE NAME =	USER NAME = laughlinr1	DESIGNED - E.R.O.	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED - J.S.A.	REVISED -
PLOT DATE = Aug-26-2009 07:27:59AM		DATE - 08/21/09	REVISED -

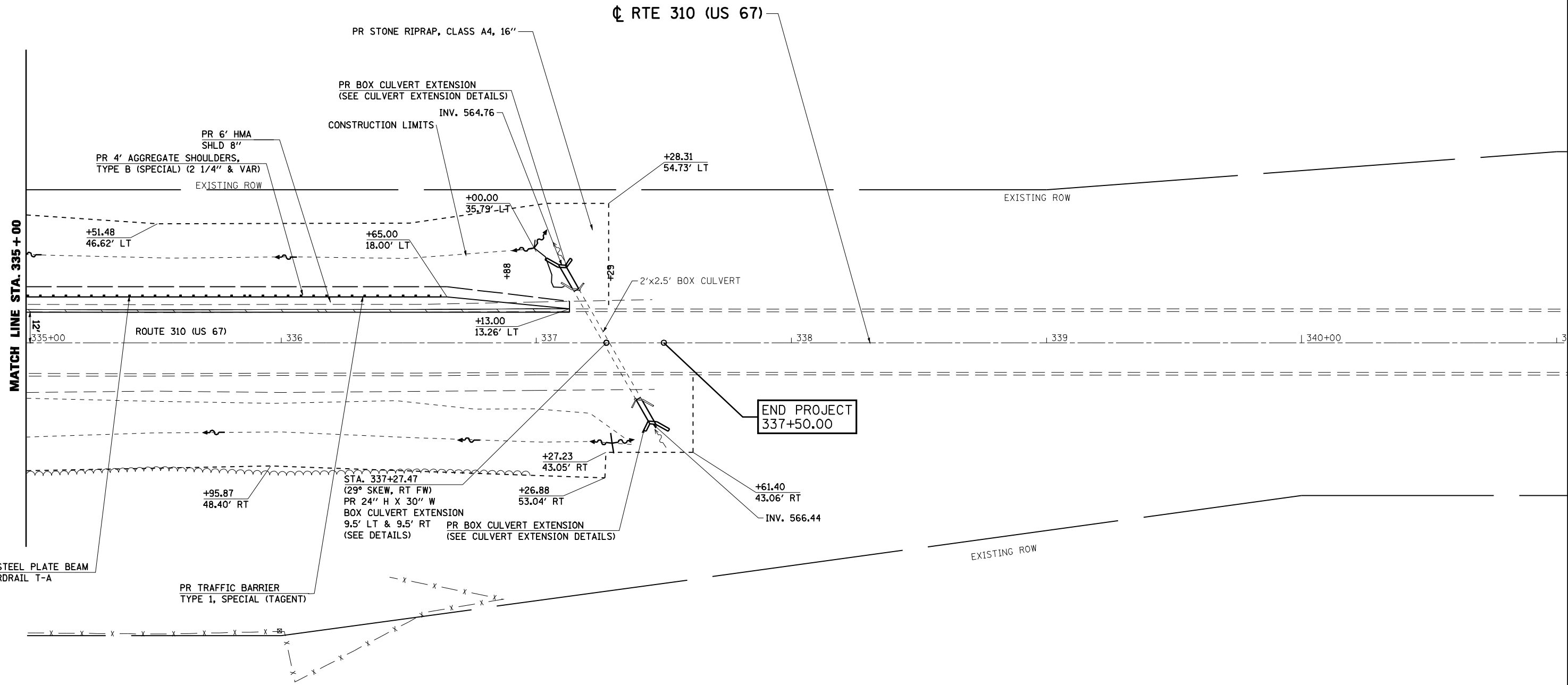
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET			
329 + 00 TO 335 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	30
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	
CADD FILE NAME	



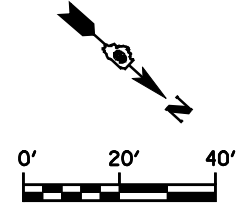
PR STEEL PLATE BEAM
GUARDRAIL T-A

PR TRAFFIC BARRIER
TYPE 1, SPECIAL (TAGENT)

STA. 337+27.47
(29° SKEW, RT FW)
PR 24" H X 30" W
BOX CULVERT EXTENSION
9.5' LT & 9.5' RT PR BOX CULVERT EXTENSION
(SEE DETAILS) (SEE CULVERT EXTENSION DETAILS)

END PROJECT
337+50.00

NOTE:
SEE SCHEDULE ON SHEET 7 FOR GUARDRAIL LOCATION



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
c:\pwork\p\WIDOT\LAUGHLINR1\0159736\0906008-sh1-Plan.dgn		DRAWN - RAW	REVISED -
		CHECKED - JSA	REVISED -
		DATE - 08/18/09	REVISED -

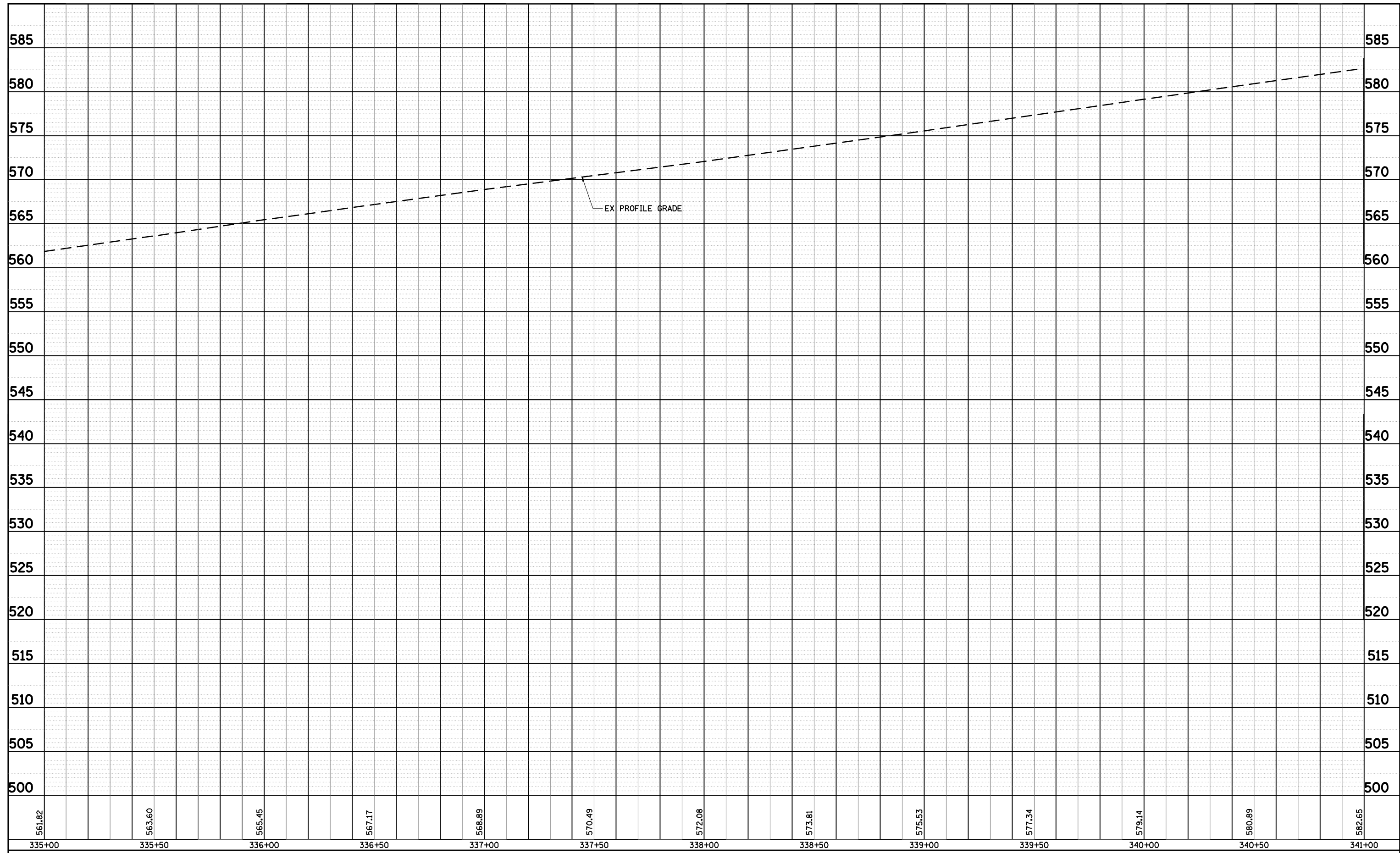
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
STA. 335 + 00 TO STA. 337 + 50			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	31
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOTATION CHKD		



FILE NAME =	USER NAME = laughlinr1	DESIGNED - E.R.O.	REVISED -
c:\pwwork\PWIDOT\LAUGHLINR1\0159736\09026008-sht-profile.dgn		DRAWN - R.A.W.	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED - J.S.A.	REVISED -
PLOT DATE = Aug-26-2009 07:28:05AM		DATE - 08/21/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET			
STA. 335 + 00 TO 341 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	32
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	FILE NAME	

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP 310 Marked: US 67
 Section: (87B)BR Project No.:
 County: SCHUYLER Contract No.: C-96-060-08

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Reynold Diskell (Signature) 9/1/09 (Date)
Region 4 Engineer (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

- The proposed project consists of replacing the bridge on FAP 310 (US 67) approximately 2.5 miles southeast of Rushville. The project will the existing alignment and will include reconstruction / resurfacing of approx. 0.414 mi of FAP 310 (US 67).
- Construction consists of grading, constructing bridge and culvert, HMA pavement, widening, HMA resurfacing, placing aggregate shoulders and other miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

- Tree removal will be completed to clear approximately 0.02 acres of wooded land.
- Excavation will be completed along the entire length to grade out for proposed roadway ditches and waterways.
- Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed roadway grade/vertical alignment.
- Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
- Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
- Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, riprap ditch checks, sediment basins, temporary seeding, etc.
- Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, riprap dry dams, excelsior blanket, seeding, etc.
- Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be approx. sq miles in which acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

- Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
- Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
- Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

Crane Creek
 Schuy-Rush Lake

FILE NAME = SWPPLAN.DGN	USER NAME = default	DESIGNED - ERO	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN				F.A.P. RTE. 310	SECTION (87B)BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 33
	DRAWN - BARD	CHECKED - JSM	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 72B95					
	PLOT SCALE = 48.000' / IN.	DATE - 08/18/09 1999	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE = 8/25/2009												

PLAN	REVIEWED	BY	DATE
	PLOTTED		
	ALIGNMENT		
	CHECKED		
	CAAD FILE NAME		
	NOTE BOOK NO.		

PROFILE	REVIEWED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS CHKD		
	NOTE BOOK NO.		

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: _____ Marked: _____
 Section: _____ Project No.: _____
 County: _____ Contract No.: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED - AUG 2007 (JCN)
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		CHECKED - JGN	REVISED -
		DATE - 08/16/09 1999	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION
PREVENTION PLAN

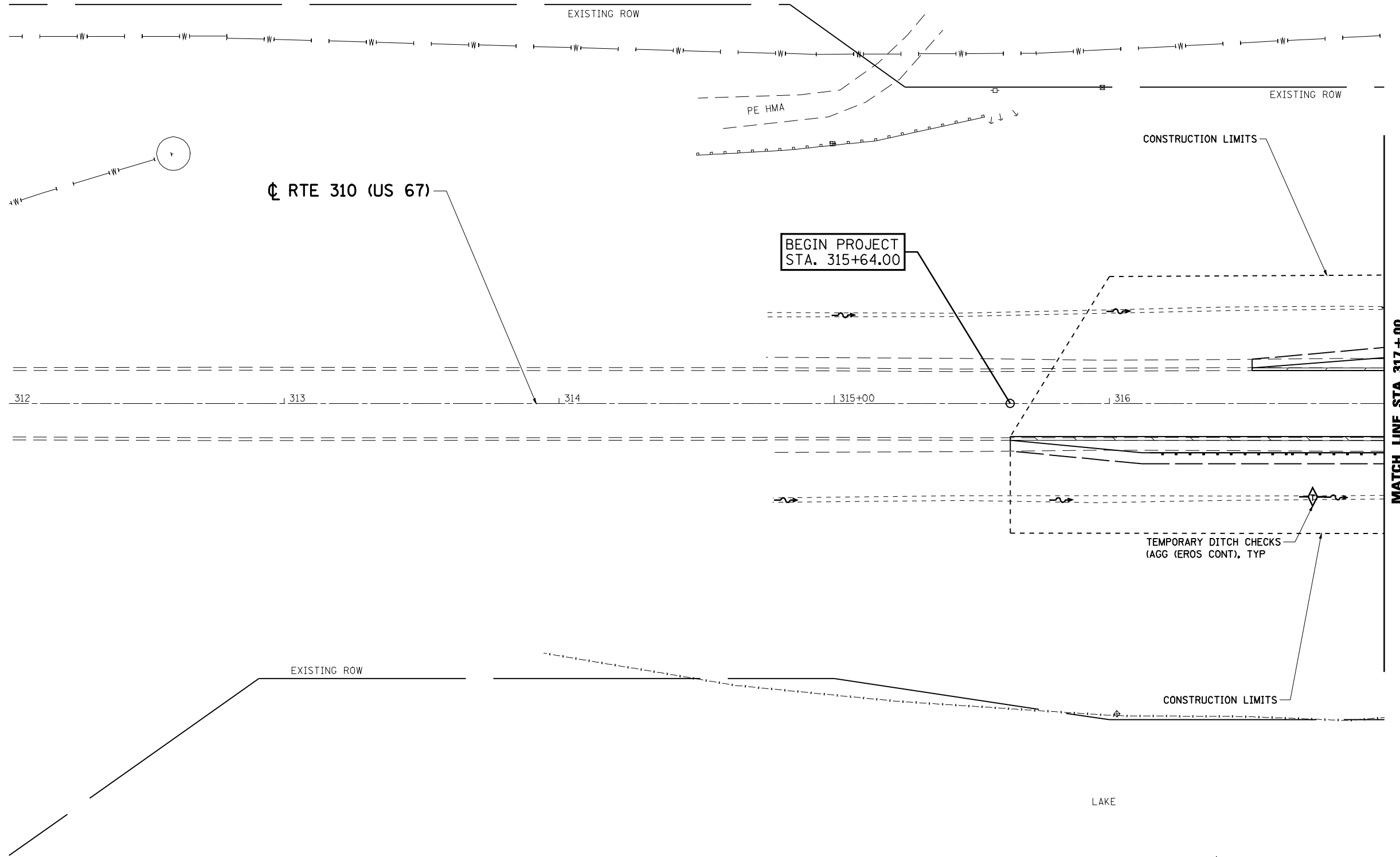
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	35
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

SWPPLAN.DGN

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NOTE BOOK NO.	PLOTTED	BY
	ALIGNMENT CHECKED	
	CADD FILE NAME	

PROFILE	REVIEWED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHKD	



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 PLOT SCALE = 40.0000' / IN.
 PLOT DATE = Sep-01-2009 07:13:28AM

DESIGNED - ERO
 DRAWN - RAW
 CHECKED - JSA
 DATE - 08/18/09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

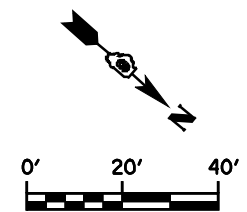
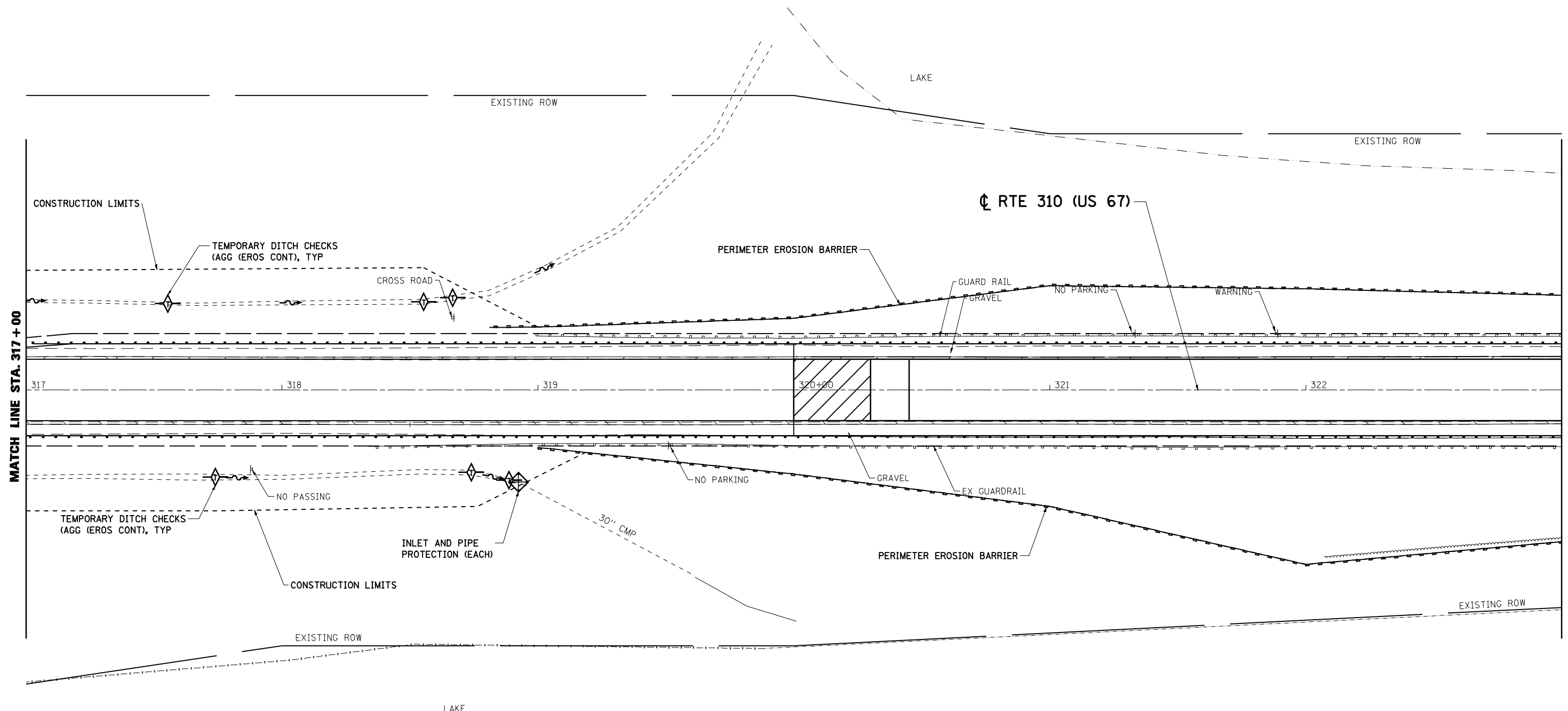
**EROSION AND SEDIMENT CONTROL DETAILS
 STA. 312+00 TO 317+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	37
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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NOTE BOOK	PLOTTED	
NO.	ALIGNMENT	
	CHECKED	
	NO.	
	CADD FILE NAME	

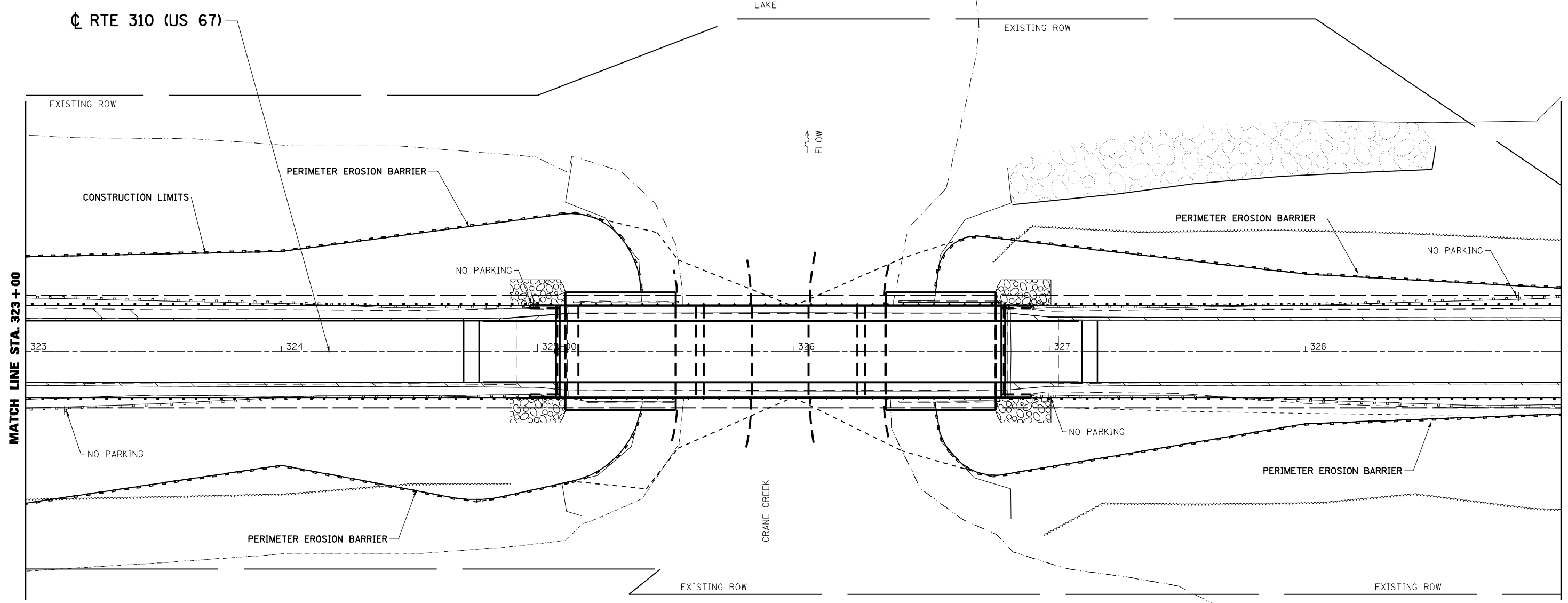
PROFILE	REVIEWED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	
	NOTATION	
	CHKD	



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PLOT SCALE = 40.0000' / IN.		CHECKED - JSA	REVISED -		CONTRACT NO. 72B95								
PLOT DATE = Sep-01-2009 07:13:31AM		DATE - 08/18/09	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.					

PLAN	REVIEWED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	
	CADD FILE NAME	

PROFILE	REVIEWED	DATE
	PLOTTED	
	GRADES CHECKED	
	NO. _____	
	STRUCTURE NOTATIONS CHKD	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

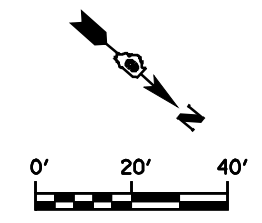
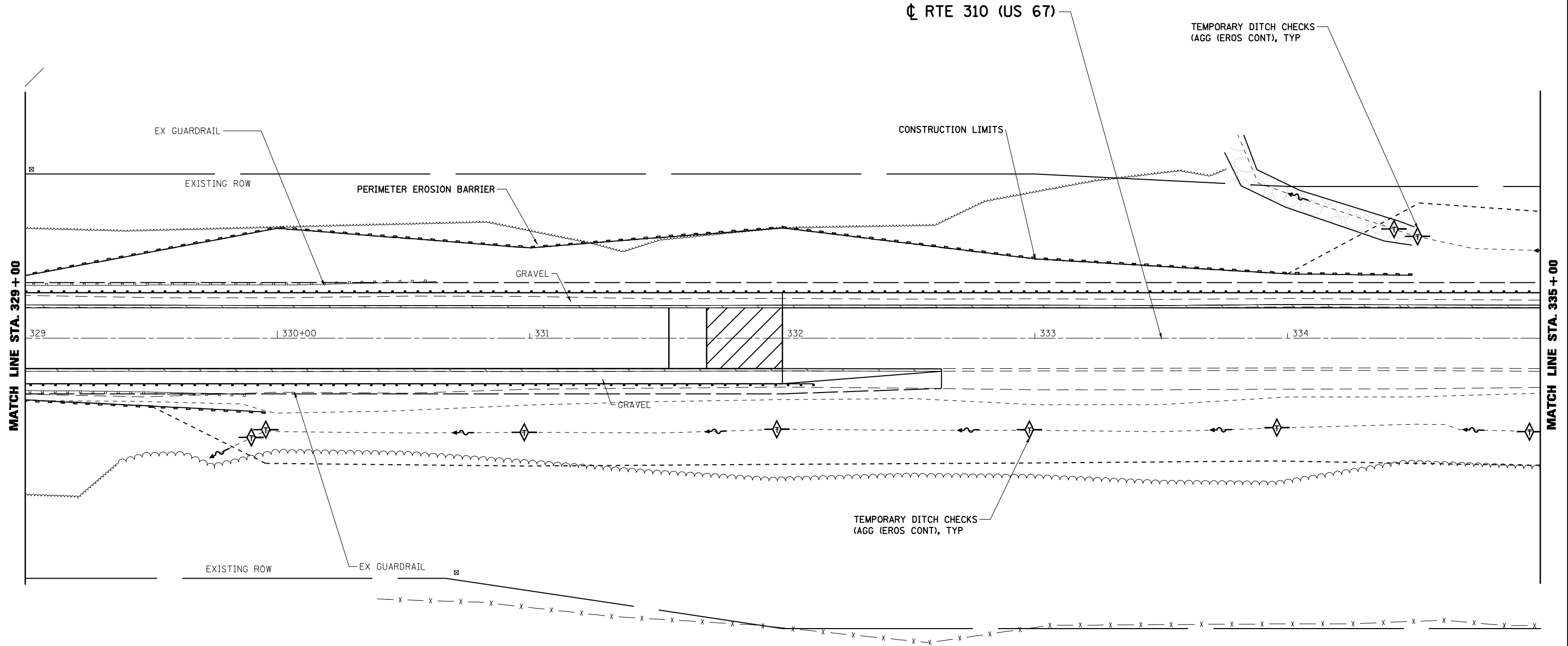
EROSION AND SEDIMENT CONTROL DETAILS			
STA. 323+00 TO 329+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	39
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

MATCH LINE, STA. 326+00.00



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
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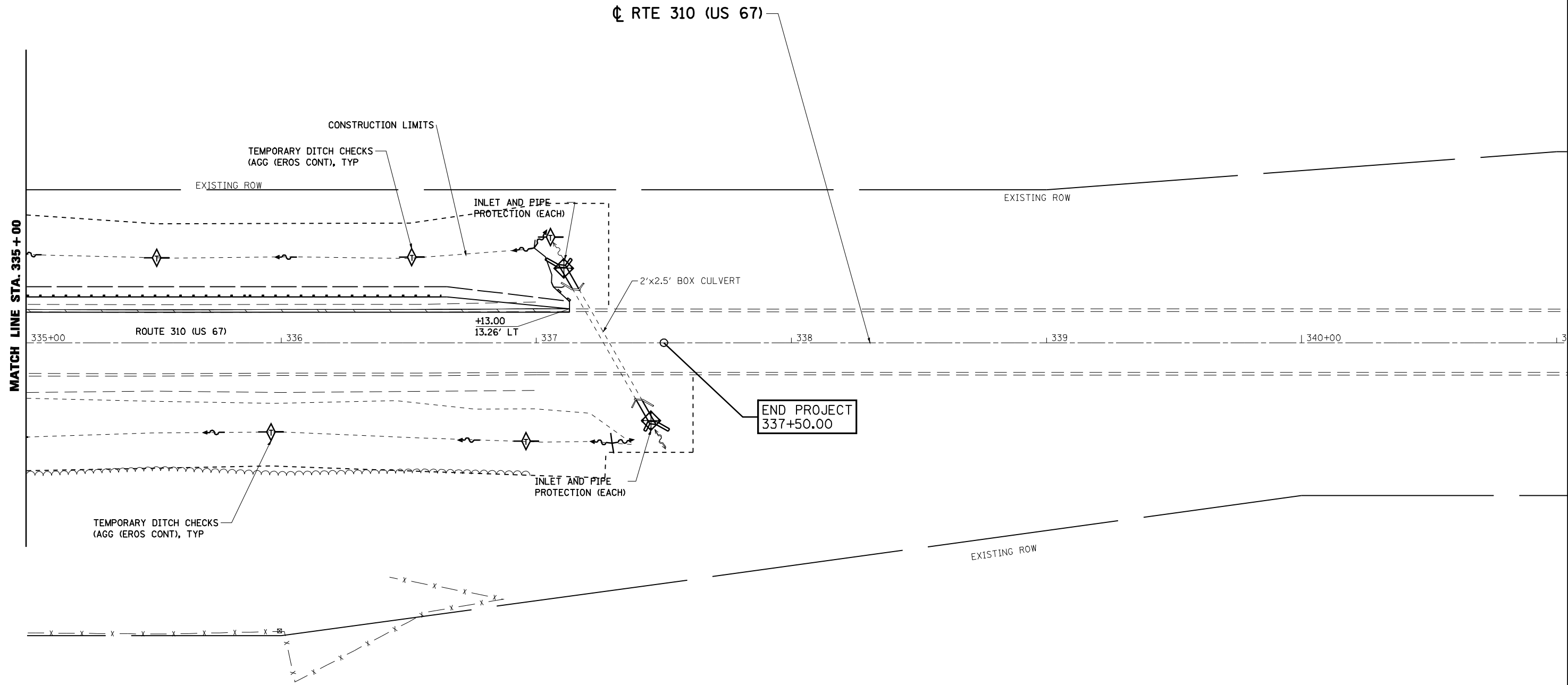
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DETAILS			
STA. 329+00 TO STA. 335+00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	40
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	REVIEWED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS
STA. 335 + 00 TO STA. 337 + 50**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	41
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

B.M. DA 300 = Chiseled "□" in top of center of concrete headwall NE of US 67, 0.9 miles NW of bridge 085-0001
Elev. 569.176

Existing Structure: S.N. 085-0001 is a 3 span steel continuous structure built in 1959. The structure is 174'-7" Bk to Bk of abutments and has an O. to O. width of 35'-8" with a 30'-0" clear width. Span lengths are 54'-0", 63'-0" and 54'-0" with a skew of 0 Deg. The superstructure consists of a concrete deck with an overlay making a total thickness of 8" on 6-33" wide flange beams. The abutments are open with cap supported steel piles. The piers are hammerhead piers on steel piles.

Bridge to be constructed using stage construction.

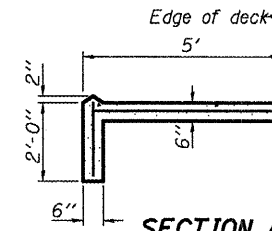
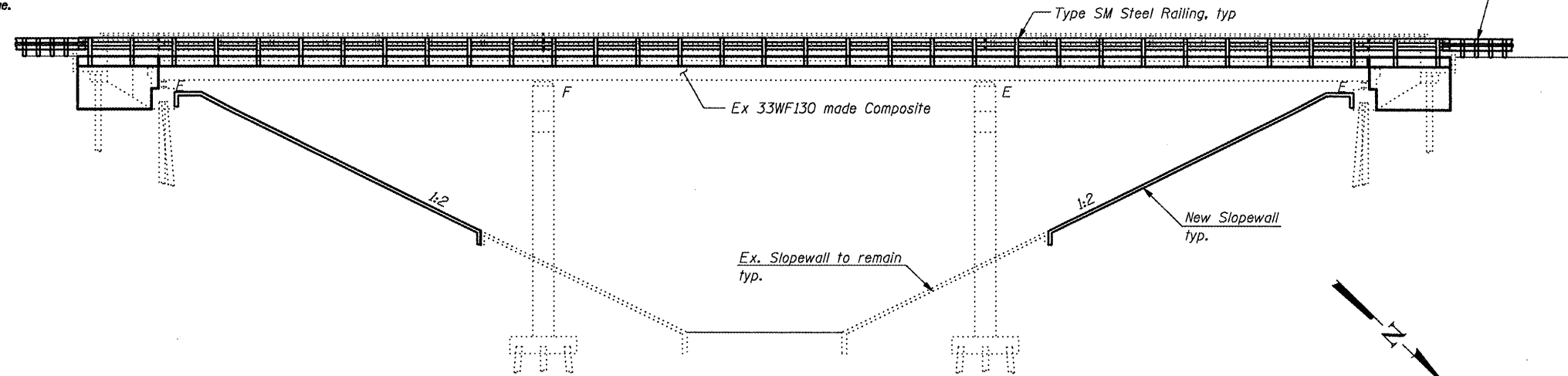
No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCOPE OF WORK

1. Remove and replace deck.
2. Remove and replace approach pavements.
3. Remove and replace abutment back walls.
4. Remove and replace upper portion of wingwalls.
5. Install stud shear connectors to make deck composite.
6. Replace the damaged slopewall sections.
7. Jack and remove existing expansion bearings at abutments. Replace with new elastomeric bearings and steel bolsters.
8. Proposed profile will be raised approximately 5". Change will be accommodated in the proposed fillets.

Traffic Barrier Terminal,
Type 6A, Std 631032
typ.

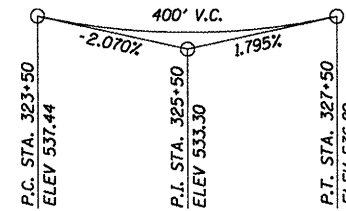


SECTION A-A

STATION 325+95.00
RE-BUILT 20 BY
STATE OF ILLINOIS
F.A.P. 310 - SEC. (87B)BR
LOADING HS20
STRUCTURE NO. 085-0001

NAME PLATE
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with "Name Plates."



PR PROFILE US 67

LOADING HS-20

No allowance for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

DESIGN STRESSES

FIELD UNITS (New Construction)

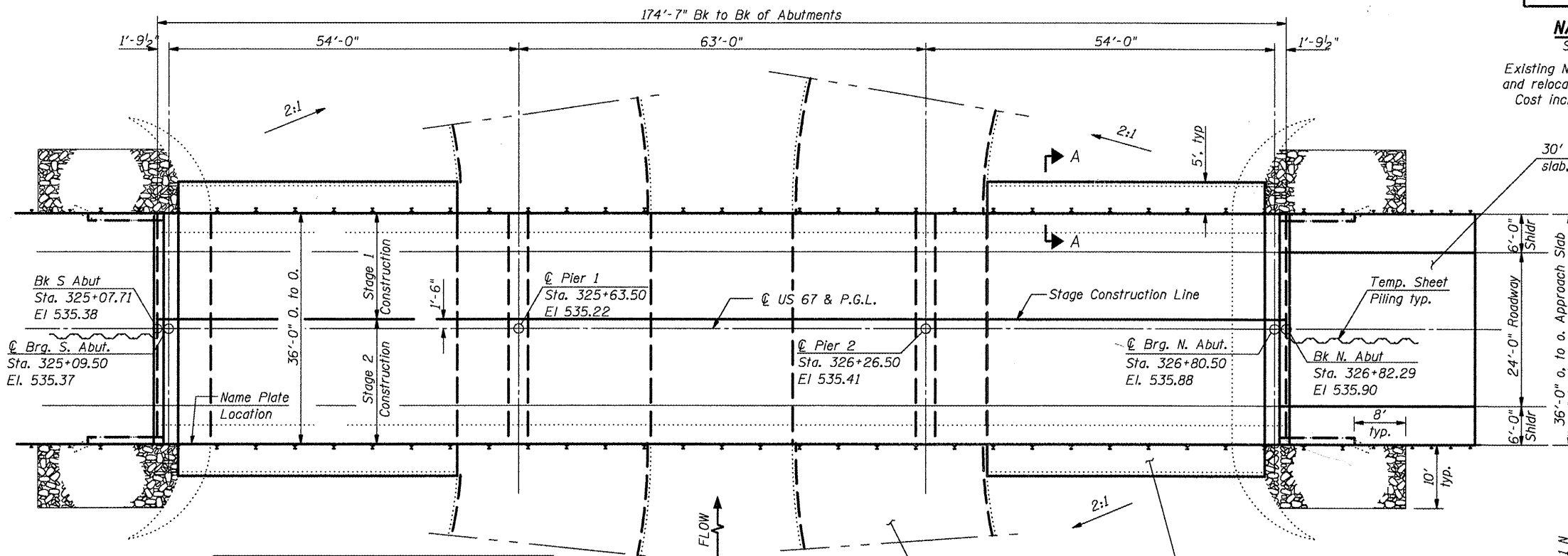
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

FIELD UNITS (Existing Construction)

$f'_c = 3,500$ psi
 $f_y = 40,000$ psi (Reinforcement)
 $f_y = 33,000$ psi (Structural Steel)

SEISMIC DATA

Seismic Category Zone (SPC) = A
Bedrock Acceleration Coefficient (A) = .03g
Site Coefficient (S) = 1.0



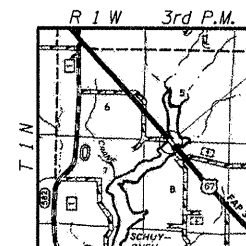
ELEVATION

ELEVATION



02 - Sept - 2009
Expires 30 - Nov - 2010

GENERAL PLAN
F.A.P. 310 (US 67) OVER
CRANE CREEK
SECTION (87B)BR
SCHUYLER COUNTY
STRUCTURE NO. 085-0001
STA. 325+95.00



LOCATION SKETCH

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW



11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-8610
(217) 698-8608 (fax)

115 North Neil Street, Suite 105
Champaign, Illinois 61820
(217) 351-8610
(217) 351-8611 (fax)

APPROVED
For Structural Adequacy Only

Ralph E. Anderson
Engineer of Bridges & Structures

SHEET NO. 1	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 42
20 SHEETS	CONTRACT NO. 72B95		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

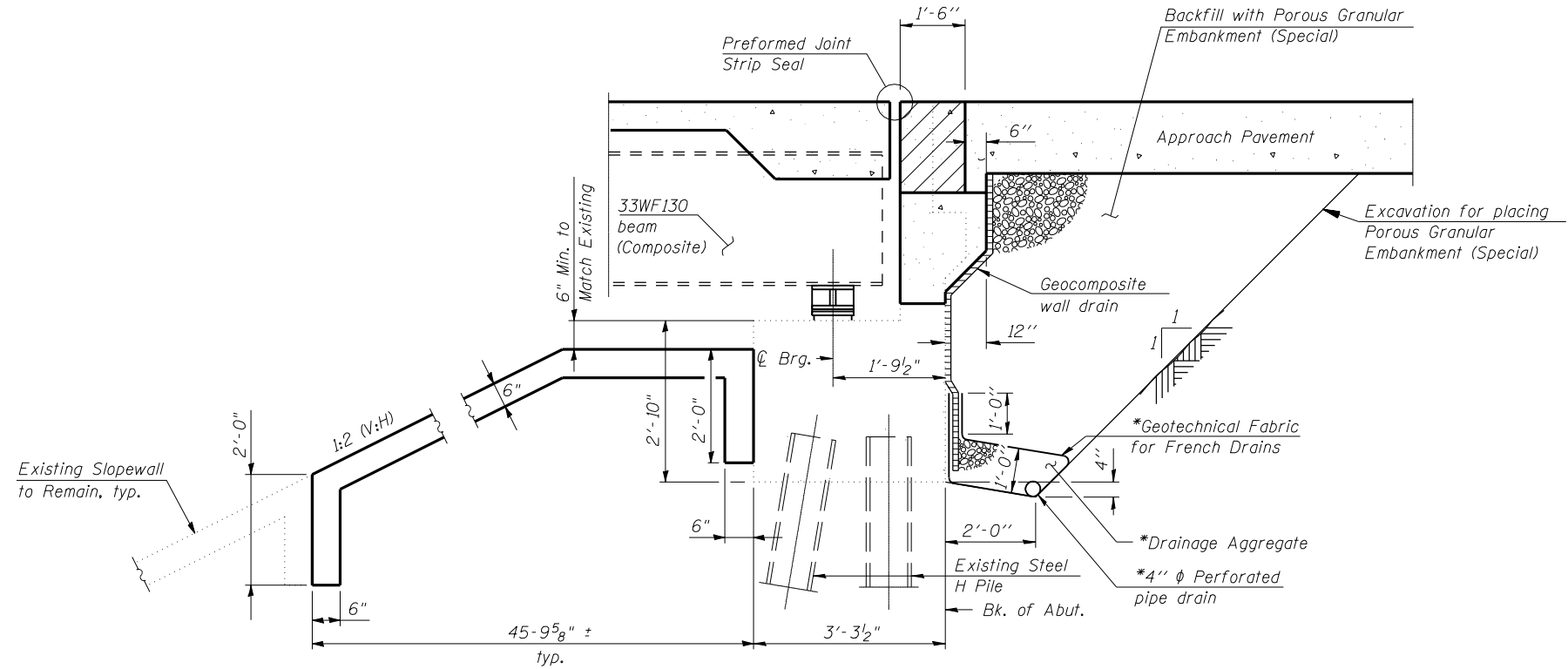
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Sloped wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

Concrete Sealer shall be applied to the designated areas of the abutment backwalls.

All new structural steel shall be shop primed with an inorganic zinc rich primer per AASHTO M300, Type I.

Cleaning and field painting of structural steel shall be done under a separate painting contract.



SECTION THRU ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	88.5	88.5
Concrete Removal	Cu. Yd.	-	27.4	27.4
Slope Wall Removal	Sq. Yd.	-	517.5	517.5
Removal of Existing Concrete Deck	Each	1	-	1
Structure Excavation	Cu. Yd.	-	105	105
Concrete Structures	Cu. Yd.	-	58.2	58.2
Concrete Superstructure	Cu. Yd.	305.0	-	305.0
Bridge Deck Grooving	Sq. Yd.	651	-	651
Protective Coat	Sq. Yd.	689	-	689
Furnishing and Erecting Structural Steel	Pound	3749	-	3749
Stud Shear Connectors	Each	2700	-	2700
Jack and Remove Existing Bearings	Each	12	-	12
Reinforcement Bars, Epoxy Coated	Pound	67876	4820	72696
Bar Splicers	Each	669	102	771
Steel Railing, Type SM	Foot	392	-	392
Slope Wall 6 Inch	Sq. Yd.	-	517.5	517.5
Temporary Sheet Piling	Sq. Ft.	-	384	384
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	72.0	-	72.0
Elastomeric Bearing Assembly, Type I	Each	12	-	12
Anchor Bolt 1"	Each	24	-	24
Concrete Sealer	Sq. Ft.	-	348	348
Geocomposite Wall Drain	Sq. Yd.	-	50.4	50.4
Pipe Underdrains for Structures 4"	Foot	-	72	72

INDEX OF SHEETS

- General Plan and Elevation
- General Data
- Stage Construction Details
- Temporary Barrier Details
- Top of Slab Elevations
- Top of Slab Elevations
- Top of South Approach Slab Elevations
- Top of North Approach Slab Elevations
- Superstructure Plan and Cross Section
- Superstructure Details
- Bridge Approach Slab Details
- Bridge Approach Slab Details
- Bridge Railing Details
- Preformed Joint Strip Seal
- Structural Steel Details
- Bearing Details
- Concrete Removal
- South Abutment
- North Abutment
- Bar Splicer Assembly Details

GENERAL DATA
STRUCTURE NO. 085-0001

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

HE
HOELSCHER ENGINEERING

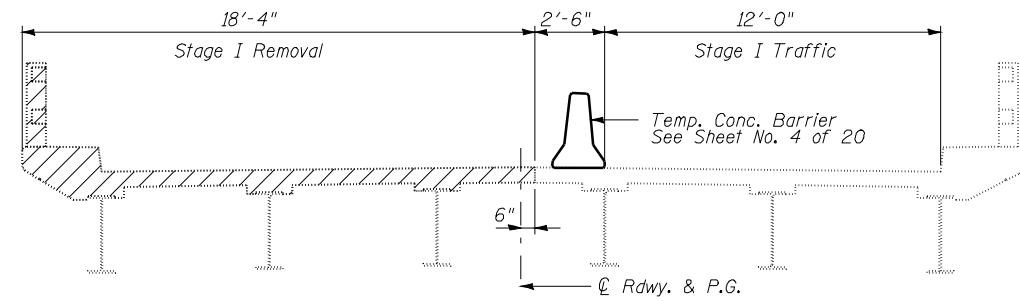
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-8610
(217) 698-8608 (fax)

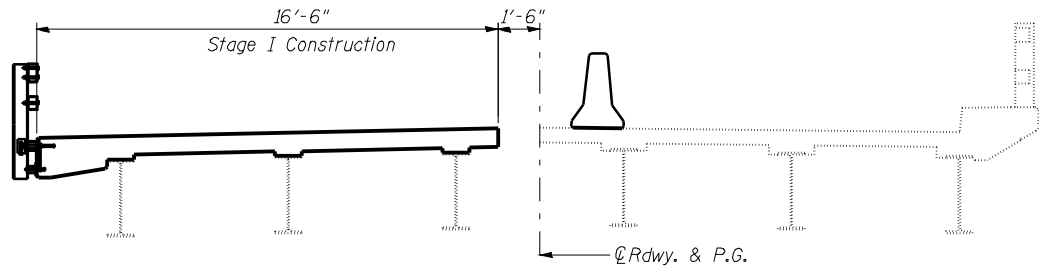
115 North Neil Street, Suite 105
Champaign, Illinois 61820
(217) 351-8610
(217) 351-8611 (fax)

SHEET NO. 2	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	310 (US 67)	(87B) BR	SCHUYLER	80	43
20 SHEETS	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

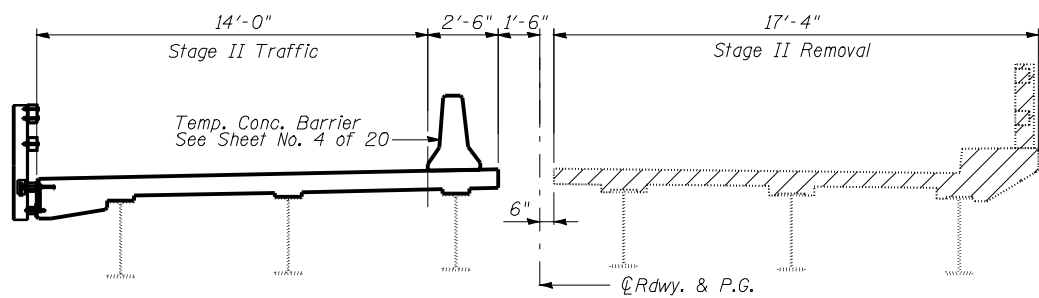
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



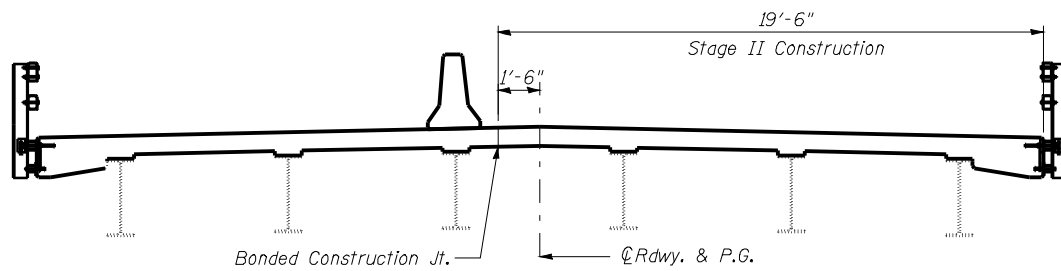
STAGE I REMOVAL



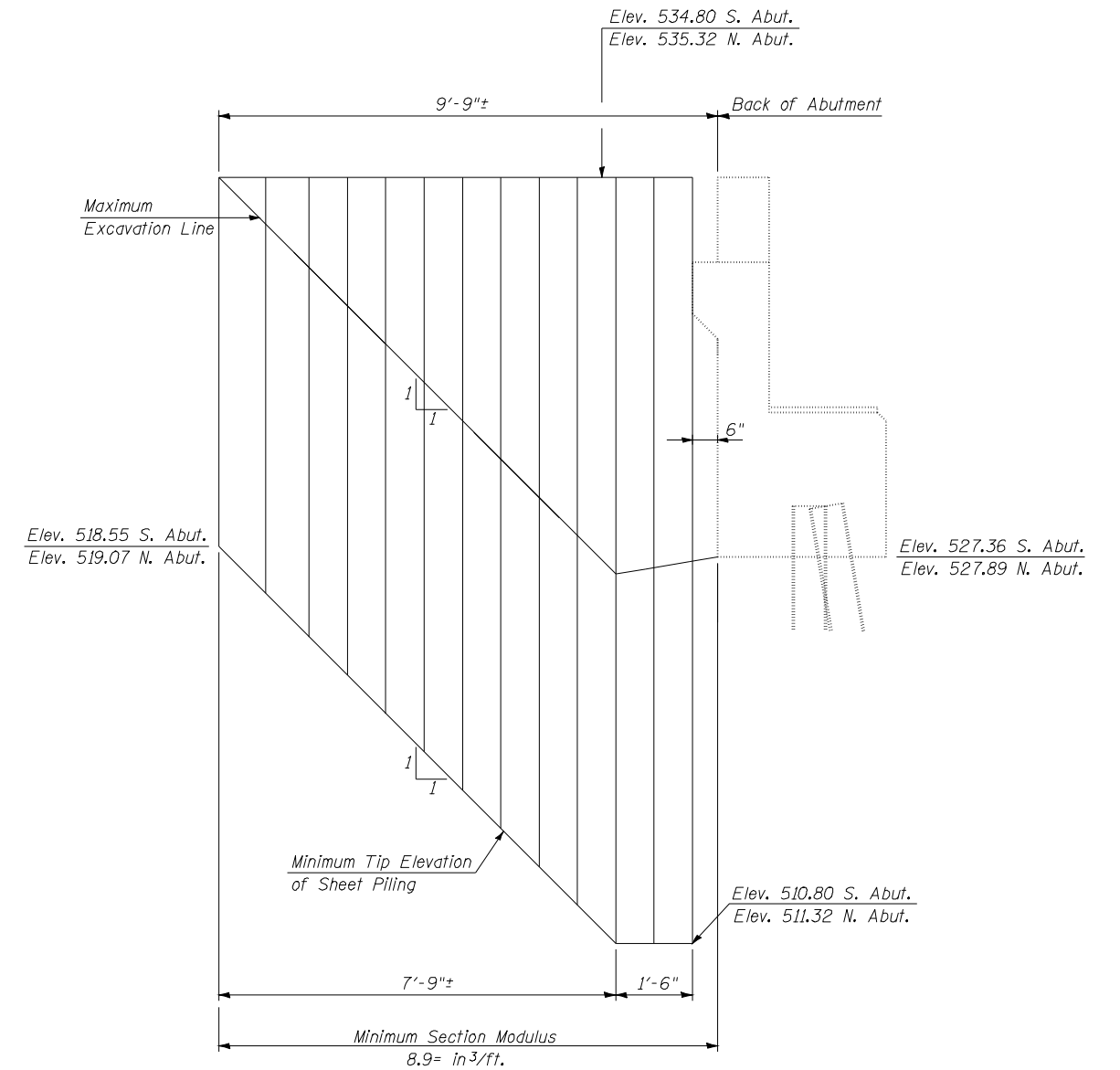
STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION



TEMPORARY SHEET PILING AND ABUTMENTS

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

HOELSCHER ENGINEERING

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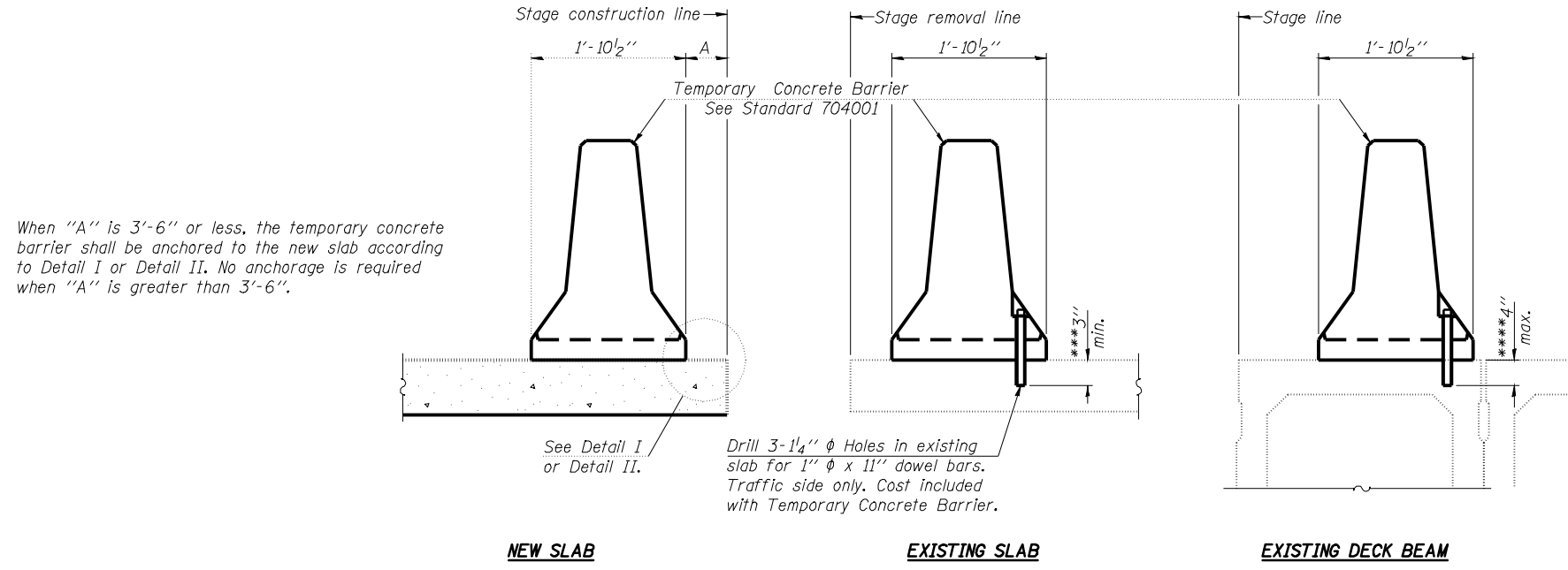
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Note:
All Cross Sections are Looking Upstation.
Hatched area indicates removal of existing structures.
For quantity of Temporary Concrete Barrier, see roadway plans.

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 085-0001**

SHEET NO. 3 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 44
	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

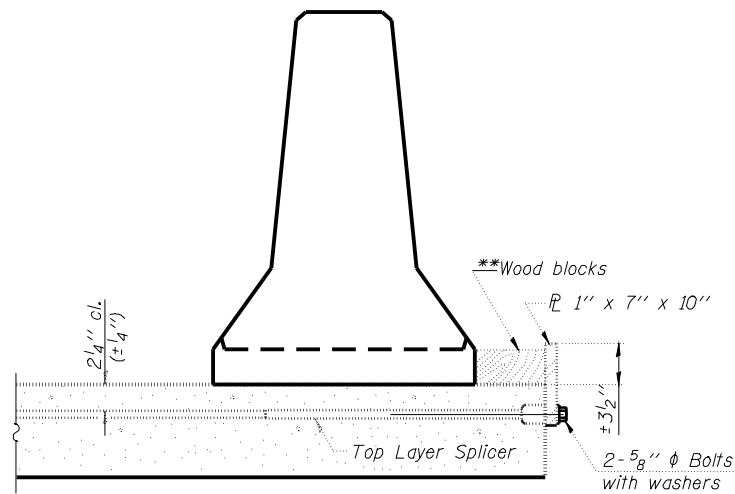
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" 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.

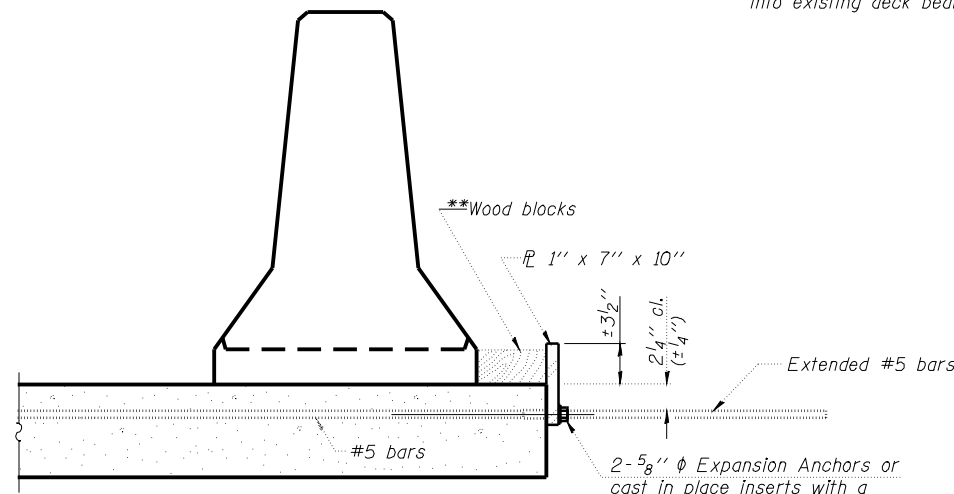
SECTIONS THRU SLAB OR DECK BEAM

***Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

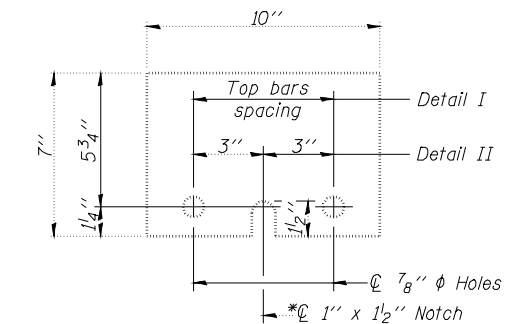
***If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1" x 7" x 10"

*Required only with Detail II

**TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
STRUCTURE NO. 085-0001**

**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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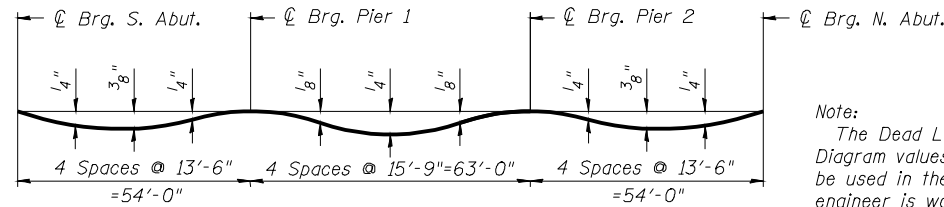
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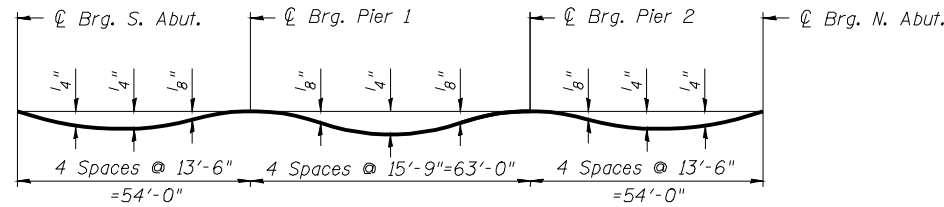
R-27 Modified 11-1-06

SHEET NO. 4 30 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 45
	CONTRACT NO. 72B95			ILLINOIS FED. AID PROJECT	

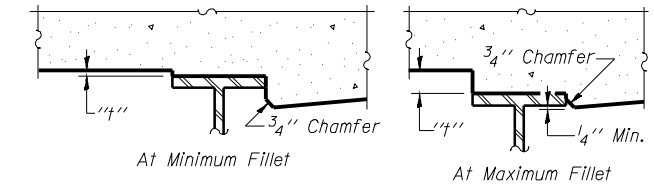
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EXTERIOR BEAM DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)



INTERIOR BEAM DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)



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. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on sheet 6 of 20, minus slab thickness, equals the fillet heights "t" above top flange of

FILLET HEIGHTS

BEAM 1

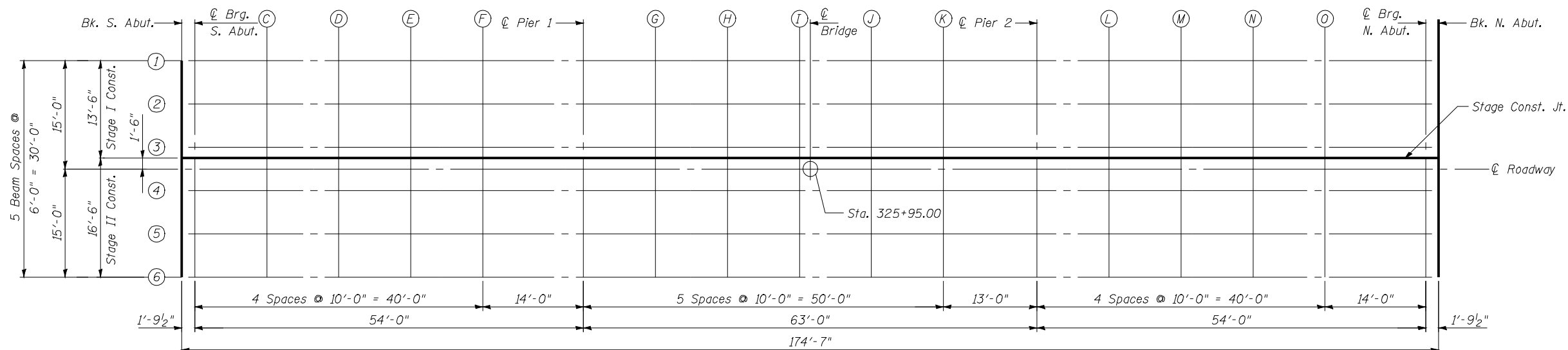
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	-15.00	535.06	535.06
☉ Brg S. Abut.	325+09.50	-15.00	535.05	535.05
C	325+19.50	-15.00	535.01	535.03
D	325+29.50	-15.00	534.97	535.00
E	325+39.50	-15.00	534.94	534.97
F	325+49.50	-15.00	534.92	534.94
☉ Exist. Pier 1	325+63.50	-15.00	534.91	534.91
G	325+73.50	-15.00	534.91	534.92
H	325+83.50	-15.00	534.93	534.95
I	325+93.50	-15.00	534.95	534.98
J	326+03.50	-15.00	534.98	535.00
K	326+13.50	-15.00	535.03	535.04
☉ Exist. Pier 2	326+26.50	-15.00	535.10	535.10
L	326+36.50	-15.00	535.16	535.17
M	326+46.50	-15.00	535.24	535.26
N	326+56.50	-15.00	535.32	535.35
O	326+66.50	-15.00	535.42	535.44
☉ Brg N. Abut.	326+80.50	-15.00	535.56	535.56
Bk. N. Abut.	326+82.29	-15.00	535.58	535.58

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	-9.00	535.19	535.19
☉ Brg S. Abut.	325+09.50	-9.00	535.18	535.18
C	325+19.50	-9.00	535.13	535.15
D	325+29.50	-9.00	535.09	535.12
E	325+39.50	-9.00	535.06	535.09
F	325+49.50	-9.00	535.05	535.06
☉ Exist. Pier 1	325+63.50	-9.00	535.04	535.04
G	325+73.50	-9.00	535.04	535.04
H	325+83.50	-9.00	535.05	535.07
I	325+93.50	-9.00	535.08	535.09
J	326+03.50	-9.00	535.11	535.12
K	326+13.50	-9.00	535.15	535.16
☉ Exist. Pier 2	326+26.50	-9.00	535.22	535.22
L	326+36.50	-9.00	535.29	535.30
M	326+46.50	-9.00	535.36	535.38
N	326+56.50	-9.00	535.45	535.47
O	326+66.50	-9.00	535.54	535.56
☉ Brg N. Abut.	326+80.50	-9.00	535.69	535.69
Bk. N. Abut.	326+82.29	-9.00	535.71	535.71

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	-3.00	535.31	535.31
☉ Brg S. Abut.	325+09.50	-3.00	535.30	535.30
C	325+19.50	-3.00	535.26	535.27
D	325+29.50	-3.00	535.22	535.24
E	325+39.50	-3.00	535.19	535.21
F	325+49.50	-3.00	535.17	535.18
☉ Exist. Pier 1	325+63.50	-3.00	535.16	535.16
G	325+73.50	-3.00	535.16	535.17
H	325+83.50	-3.00	535.18	535.19
I	325+93.50	-3.00	535.20	535.22
J	326+03.50	-3.00	535.23	535.25
K	326+13.50	-3.00	535.28	535.28
☉ Exist. Pier 2	326+26.50	-3.00	535.35	535.35
L	326+36.50	-3.00	535.41	535.42
M	326+46.50	-3.00	535.49	535.51
N	326+56.50	-3.00	535.57	535.60
O	326+66.50	-3.00	535.67	535.69
☉ Brg N. Abut.	326+80.50	-3.00	535.81	535.81
Bk. N. Abut.	326+82.29	-3.00	535.83	535.83



PLAN

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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E-S 5-16-08

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 085-0001**

SHEET NO. 5 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 46
	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	-1.50	535.35	535.35
⊙ Brg S. Abut.	325+09.50	-1.50	535.34	535.34
C	325+19.50	-1.50	535.29	535.30
D	325+29.50	-1.50	535.25	535.27
E	325+39.50	-1.50	535.22	535.24
F	325+49.50	-1.50	535.20	535.21
⊙ Exist. Pier 1	325+63.50	-1.50	535.19	535.19
G	325+73.50	-1.50	535.20	535.20
H	325+83.50	-1.50	535.21	535.22
I	325+93.50	-1.50	535.23	535.25
J	326+03.50	-1.50	535.27	535.28
K	326+13.50	-1.50	535.31	535.32
⊙ Exist. Pier 2	326+26.50	-1.50	535.38	535.38
L	326+36.50	-1.50	535.44	535.45
M	326+46.50	-1.50	535.52	535.54
N	326+56.50	-1.50	535.60	535.63
O	326+66.50	-1.50	535.70	535.72
⊙ Brg N. Abut.	326+80.50	-1.50	535.84	535.84
Bk. N. Abut.	326+82.29	-1.50	535.86	535.86

⊙ RDWY.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	0.00	535.38	535.38
⊙ Brg S. Abut.	325+09.50	0.00	535.37	535.37
C	325+19.50	0.00	535.32	535.33
D	325+29.50	0.00	535.28	535.30
E	325+39.50	0.00	535.25	535.27
F	325+49.50	0.00	535.23	535.25
⊙ Exist. Pier 1	325+63.50	0.00	535.22	535.22
G	325+73.50	0.00	535.23	535.23
H	325+83.50	0.00	535.24	535.25
I	325+93.50	0.00	535.26	535.28
J	326+03.50	0.00	535.30	535.31
K	326+13.50	0.00	535.34	535.35
⊙ Exist. Pier 2	326+26.50	0.00	535.41	535.41
L	326+36.50	0.00	535.48	535.48
M	326+46.50	0.00	535.55	535.57
N	326+56.50	0.00	535.63	535.66
O	326+66.50	0.00	535.73	535.75
⊙ Brg N. Abut.	326+80.50	0.00	535.88	535.88
Bk. N. Abut.	326+82.29	0.00	535.90	535.90

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	3.00	535.31	535.31
⊙ Brg S. Abut.	325+09.50	3.00	535.30	535.30
C	325+19.50	3.00	535.26	535.27
D	325+29.50	3.00	535.22	535.24
E	325+39.50	3.00	535.19	535.21
F	325+49.50	3.00	535.17	535.18
⊙ Exist. Pier 1	325+63.50	3.00	535.16	535.16
G	325+73.50	3.00	535.16	535.17
H	325+83.50	3.00	535.18	535.19
I	325+93.50	3.00	535.20	535.22
J	326+03.50	3.00	535.23	535.25
K	326+13.50	3.00	535.28	535.28
⊙ Exist. Pier 2	326+26.50	3.00	535.35	535.35
L	326+36.50	3.00	535.41	535.42
M	326+46.50	3.00	535.49	535.51
N	326+56.50	3.00	535.57	535.60
O	326+66.50	3.00	535.67	535.69
⊙ Brg N. Abut.	326+80.50	3.00	535.81	535.81
Bk. N. Abut.	326+82.29	3.00	535.83	535.83


BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	9.00	535.19	535.19
⊙ Brg S. Abut.	325+09.50	9.00	535.18	535.18
C	325+19.50	9.00	535.13	535.15
D	325+29.50	9.00	535.09	535.12
E	325+39.50	9.00	535.06	535.09
F	325+49.50	9.00	535.05	535.06
⊙ Exist. Pier 1	325+63.50	9.00	535.04	535.04
G	325+73.50	9.00	535.04	535.04
H	325+83.50	9.00	535.05	535.07
I	325+93.50	9.00	535.08	535.09
J	326+03.50	9.00	535.11	535.12
K	326+13.50	9.00	535.15	535.16
⊙ Exist. Pier 2	326+26.50	9.00	535.22	535.22
L	326+36.50	9.00	535.29	535.30
M	326+46.50	9.00	535.36	535.38
N	326+56.50	9.00	535.45	535.47
O	326+66.50	9.00	535.54	535.56
⊙ Brg N. Abut.	326+80.50	9.00	535.69	535.69
Bk. N. Abut.	326+82.29	9.00	535.71	535.71

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	325+07.71	15.00	535.06	535.06
⊙ Brg S. Abut.	325+09.50	15.00	535.05	535.05
C	325+19.50	15.00	535.01	535.03
D	325+29.50	15.00	534.97	535.00
E	325+39.50	15.00	534.94	534.97
F	325+49.50	15.00	534.92	534.94
⊙ Exist. Pier 1	325+63.50	15.00	534.91	534.91
G	325+73.50	15.00	534.91	534.92
H	325+83.50	15.00	534.93	534.95
I	325+93.50	15.00	534.95	534.98
J	326+03.50	15.00	534.98	535.00
K	326+13.50	15.00	535.03	535.04
⊙ Exist. Pier 2	326+26.50	15.00	535.10	535.10
L	326+36.50	15.00	535.16	535.17
M	326+46.50	15.00	535.24	535.26
N	326+56.50	15.00	535.32	535.35
O	326+66.50	15.00	535.42	535.44
⊙ Brg N. Abut.	326+80.50	15.00	535.56	535.56
Bk. N. Abut.	326+82.29	15.00	535.58	535.58

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW



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TOP OF SLAB ELEVATIONS
STRUCTURE NO. 085-0001

SHEET NO. 6	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	310 (US 67)	(87B) BR	SCHUYLER	80	47
20 SHEETS	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	18.00	535.17
A	324+87.21	18.00	535.11
B	324+97.21	18.00	535.06
Begin S. Appr. Pav't.	325+07.21	18.00	535.00

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	-12.00	535.41
A	324+87.21	-12.00	535.32
B	324+97.21	-12.00	535.22
Begin S. Appr. Pav't.	325+07.21	-12.00	535.13

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	-1.50	535.57
A	324+87.21	-1.50	535.50
B	324+97.21	-1.50	535.42
Begin S. Appr. Pav't.	325+07.21	-1.50	535.35

☉ ROADWAY & PG

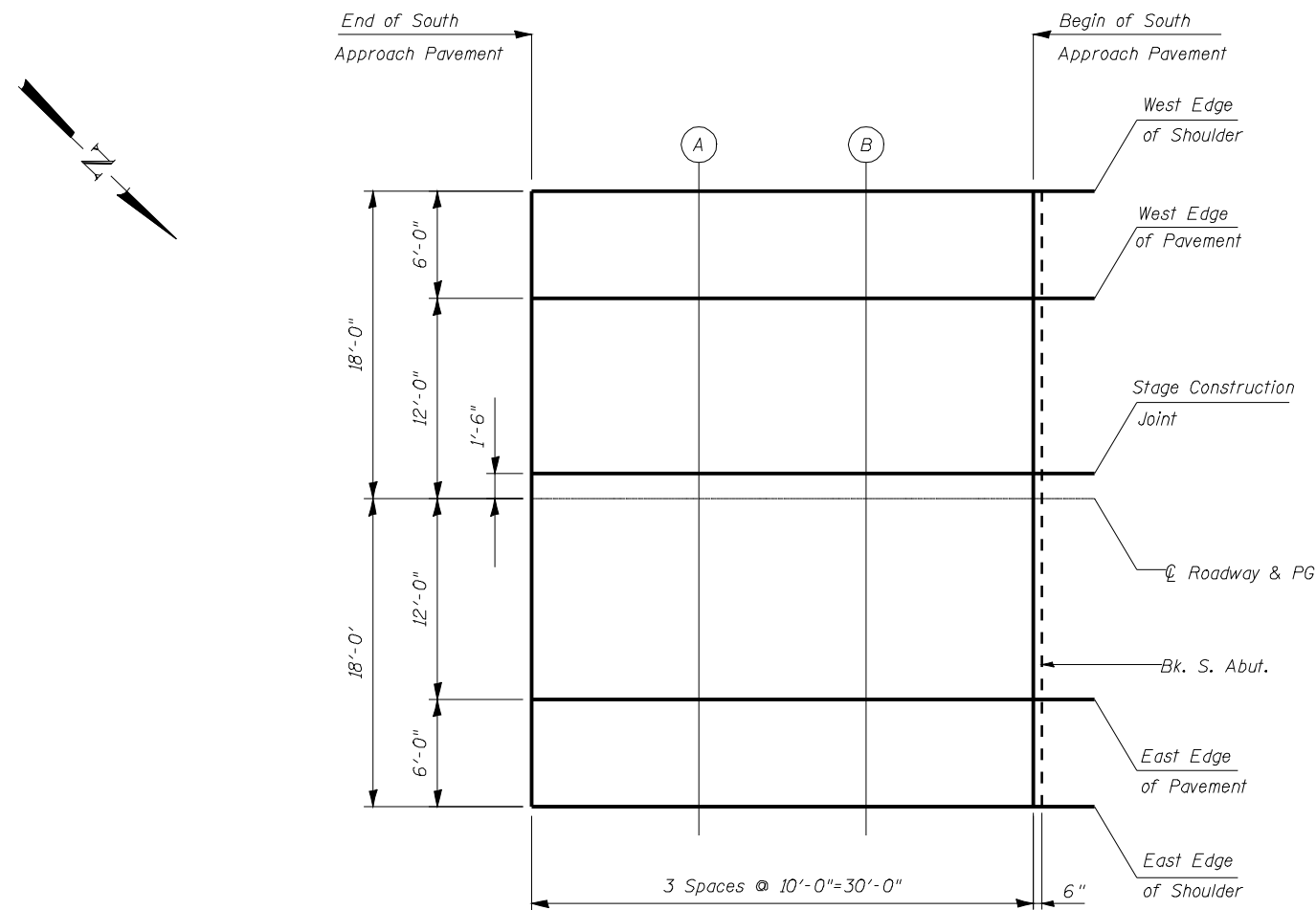
Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	0.00	535.59
A	324+87.21	0.00	535.51
B	324+97.21	0.00	535.44
Begin S. Appr. Pav't.	325+07.21	0.00	535.38

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	12.00	535.41
A	324+87.21	12.00	535.32
B	324+97.21	12.00	535.22
Begin S. Appr. Pav't.	325+07.21	12.00	535.13

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End S. Appr. Pav't.	324+77.21	18.00	535.17
A	324+87.21	18.00	535.11
B	324+97.21	18.00	535.06
Begin S. Appr. Pav't.	325+07.21	18.00	535.00



PLAN

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO.085-0001**

SHEET NO. 7 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 48
	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	-18.00	535.53
P	326+92.79	-18.00	535.64
Q	327+02.79	-18.00	535.76
End N. Appr. Pav't.	327+12.79	-18.00	535.87

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	-12.00	535.65
P	326+92.79	-12.00	535.80
Q	327+02.79	-12.00	535.96
End N. Appr. Pav't.	327+12.79	-12.00	536.11

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	-1.50	535.87
P	326+92.79	-1.50	536.00
Q	327+02.79	-1.50	536.14
End N. Appr. Pav't.	327+12.79	-1.50	536.27

☉ ROADWAY & PG

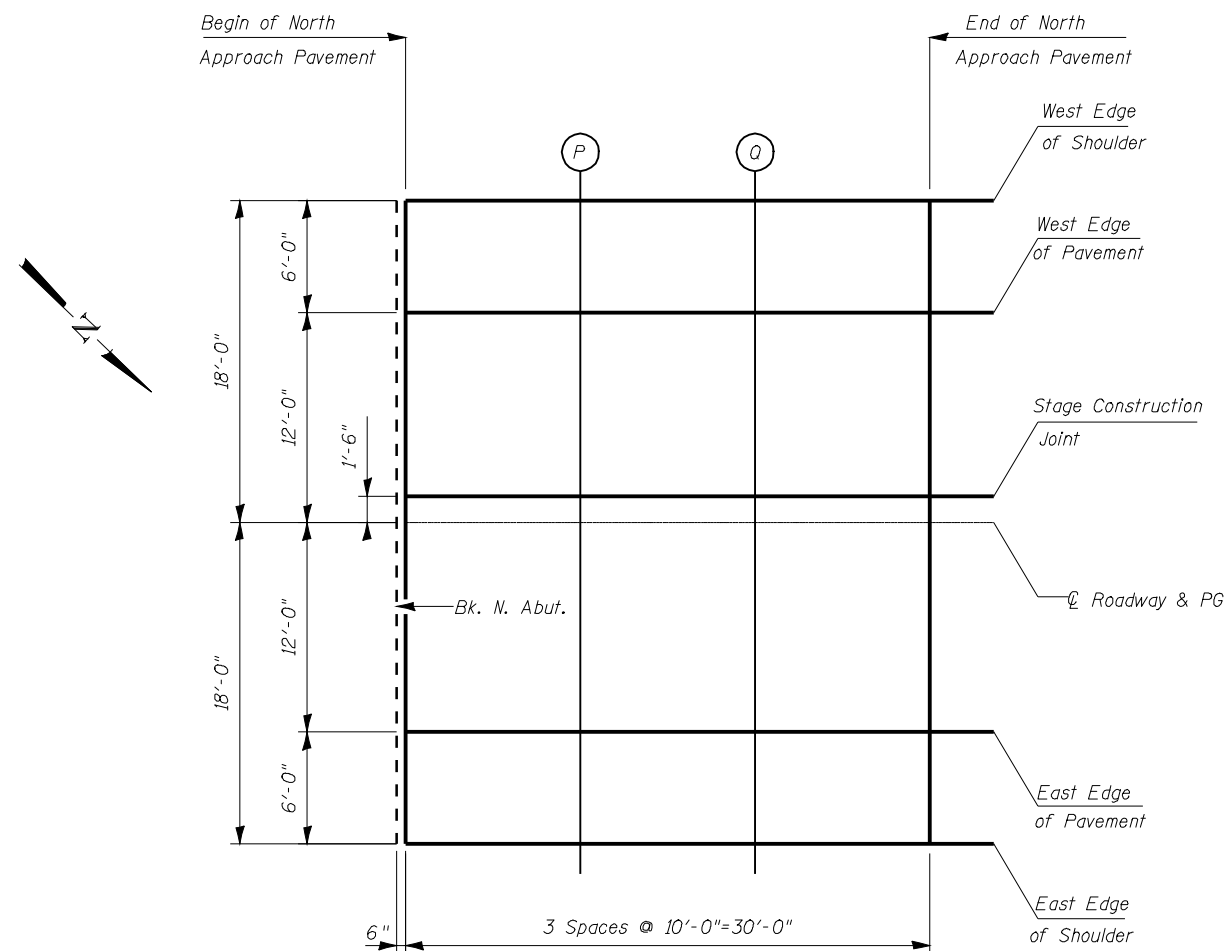
Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	0.00	535.90
P	326+92.79	0.00	536.02
Q	327+02.79	0.00	536.15
End N. Appr. Pav't.	327+12.79	0.00	536.29

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	12.00	535.65
P	326+92.79	12.00	535.80
Q	327+02.79	12.00	535.96
End N. Appr. Pav't.	327+12.79	12.00	536.11

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
Begin N. Appr. Pav't.	326+82.79	18.00	535.53
P	326+92.79	18.00	535.64
Q	327+02.79	18.00	535.76
End N. Appr. Pav't.	327+12.79	18.00	535.87



PLAN

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 085-001**

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

E-AS 5-16-08

HOELSCHER ENGINEERING

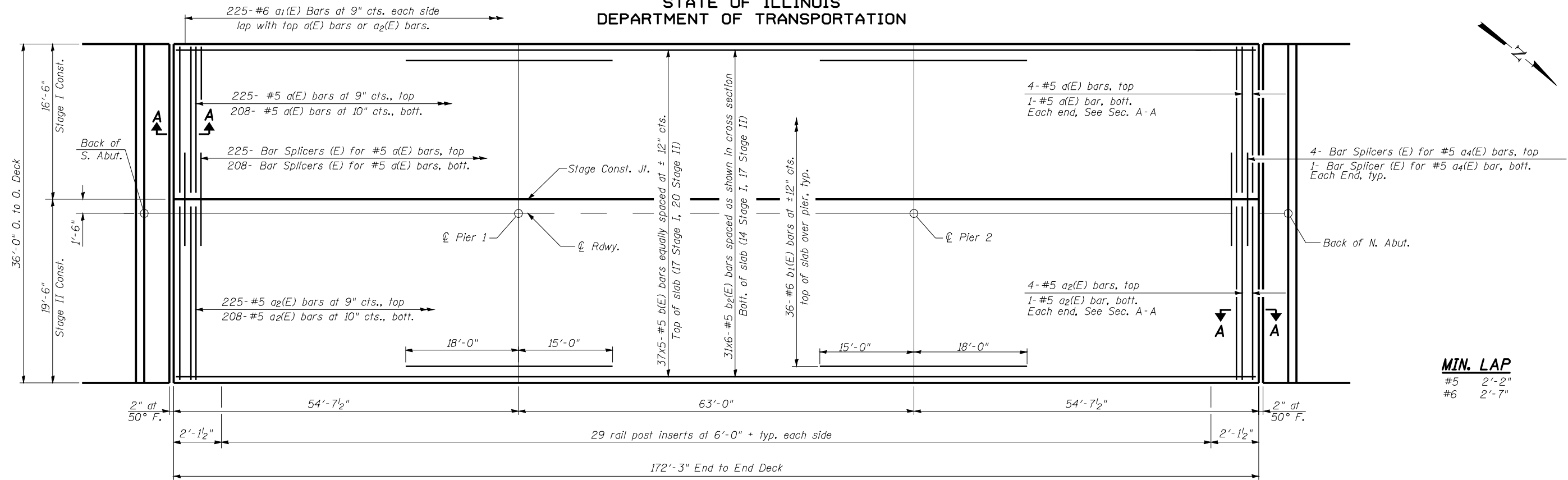
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SHEET NO. 8 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 49
	CONTRACT NO. 72B95			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

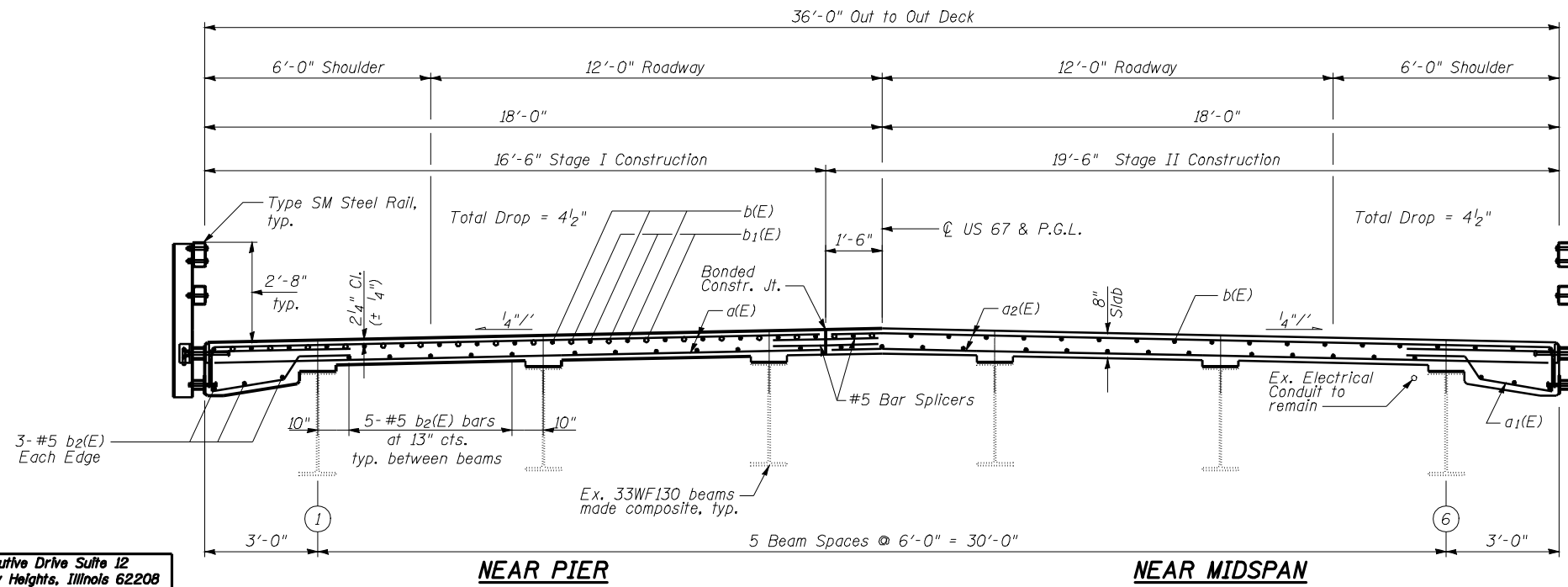
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



MIN. LAP

#5	2'-2"
#6	2'-7"

PLAN



NEAR PIER

CROSS SECTION
(Looking North)

NEAR MIDSPAN

SUPERSTRUCTURE PLAN & CROSS SECTION
STRUCTURE NO. 085-0001

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

HE

HOELSCHER ENGINEERING

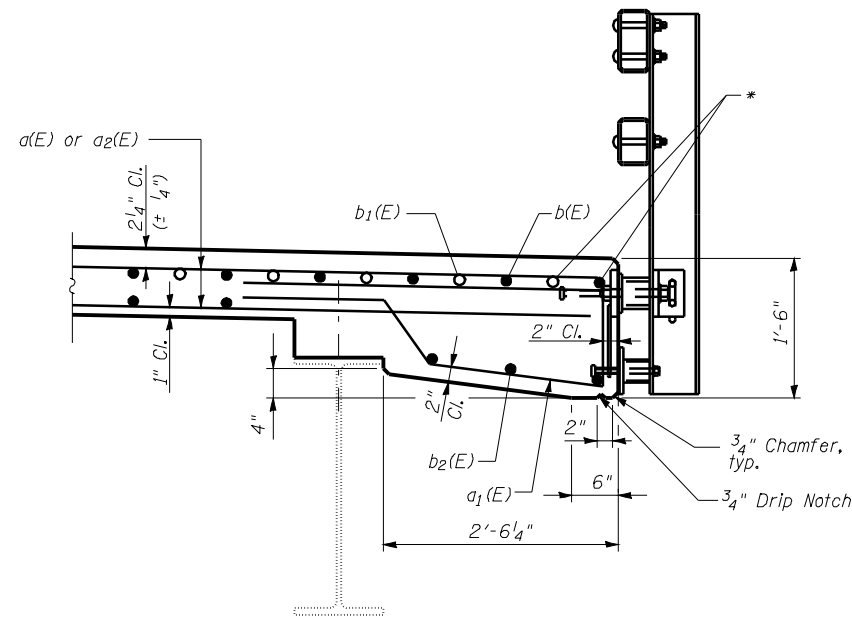
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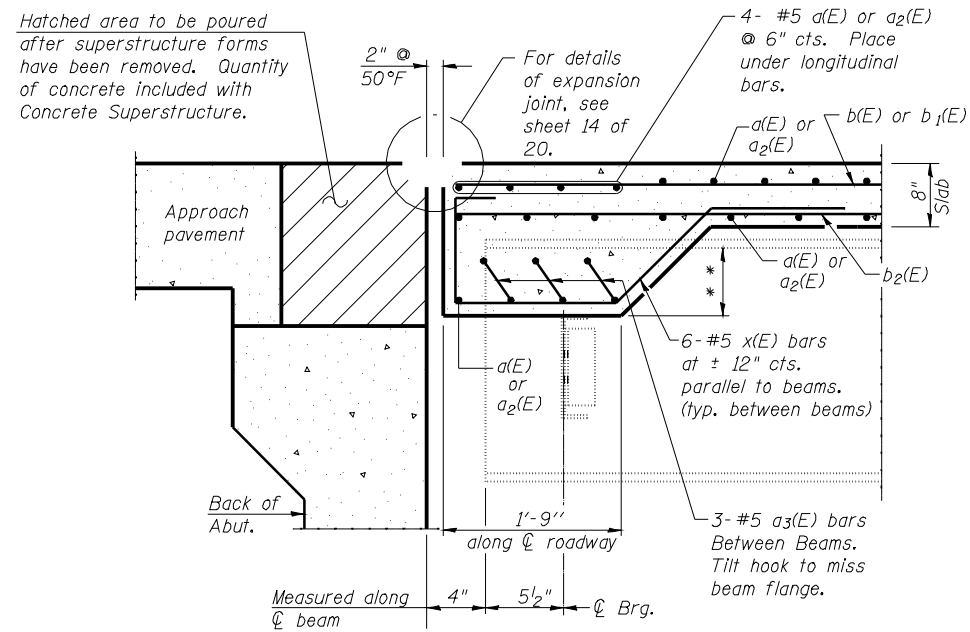
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	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION THRU EDGE OF SLAB

* Note: Reinforcement bars in the top of the deck may be placed with a 1/2" minimum clearance in the area of the rail post anchor devices. The studs of the anchor devices shall be positioned below the top reinforcement bars and the outermost longitudinal reinforcement bars (b(E) and b1(E) Bars) shall be placed directly above the studs of the rail post anchor device.



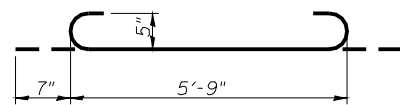
SECTION A-A

- ** 2 1/8" Beam 1 & Beam 6
- 3 3/8" Beam 2 & Beam 5
- 4" Beam 3 & Beam 4

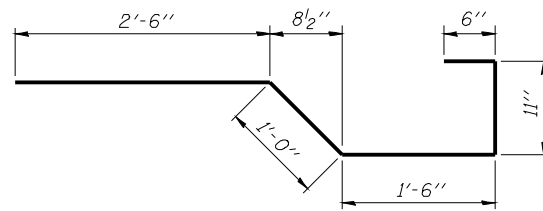
**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	443	#5	16'-4"	—
a1(E)	450	#6	10'-4"	—
a2(E)	443	#5	19'-4"	—
a3(E)	30	#5	6'-11"	—
b(E)	185	#5	36'-2"	—
b1(E)	72	#6	33'-0"	—
b2(E)	186	#5	30'-6"	—
x(E)	60	#5	6'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	40546
Concrete Superstructure			Cu. Yds.	204

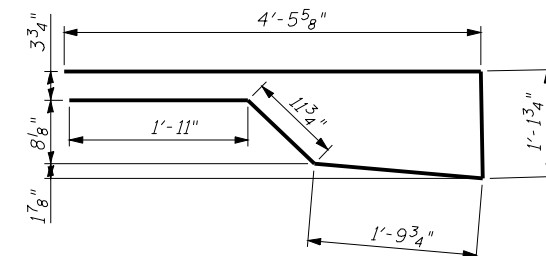
Bars indicated thus 31 x 6 -#5 etc. indicates 31 lines of bars with 6 lengths per line.



a3(E) BAR



BAR x(E)



BAR a1(E)

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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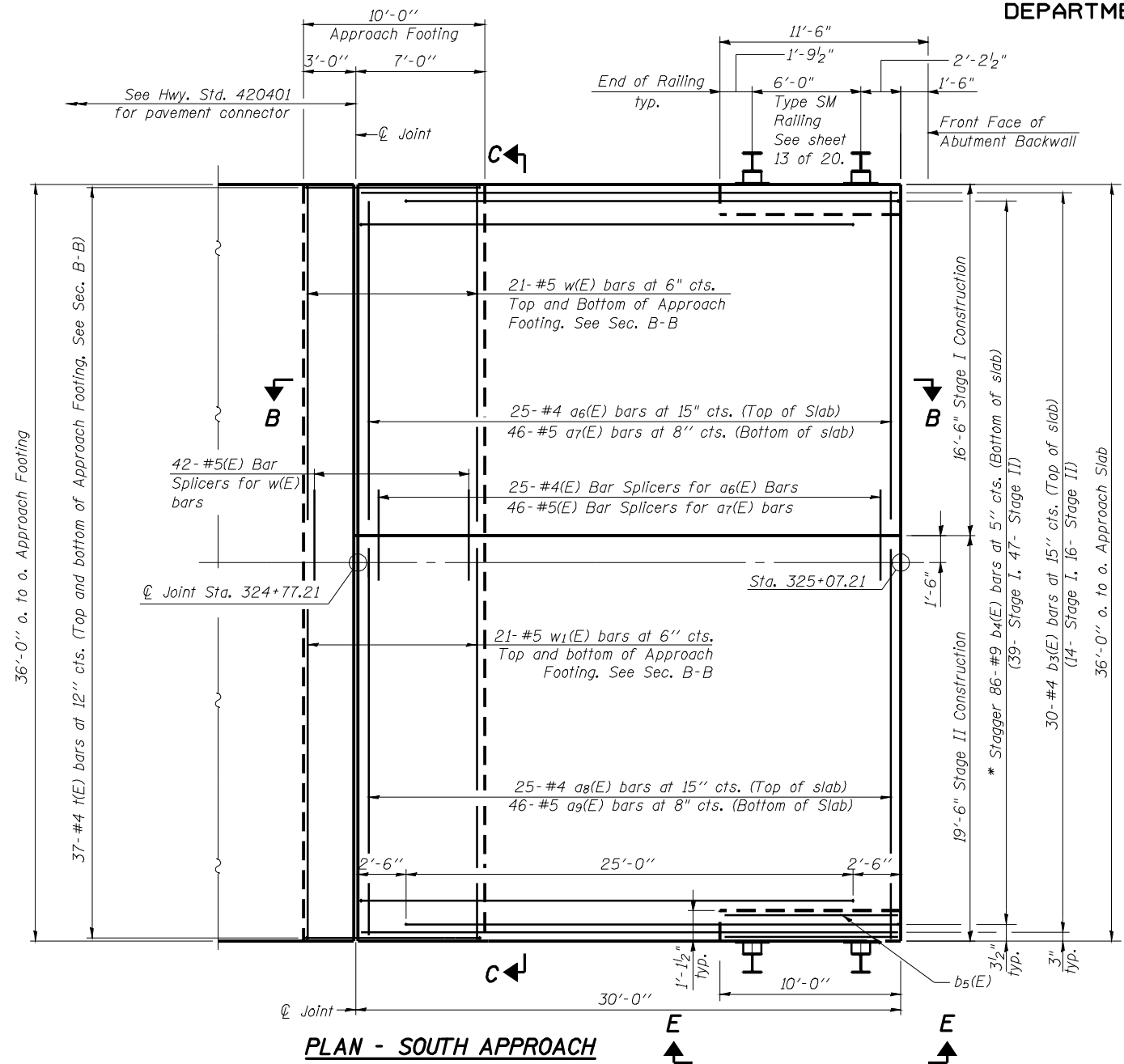
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**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 085-0001**

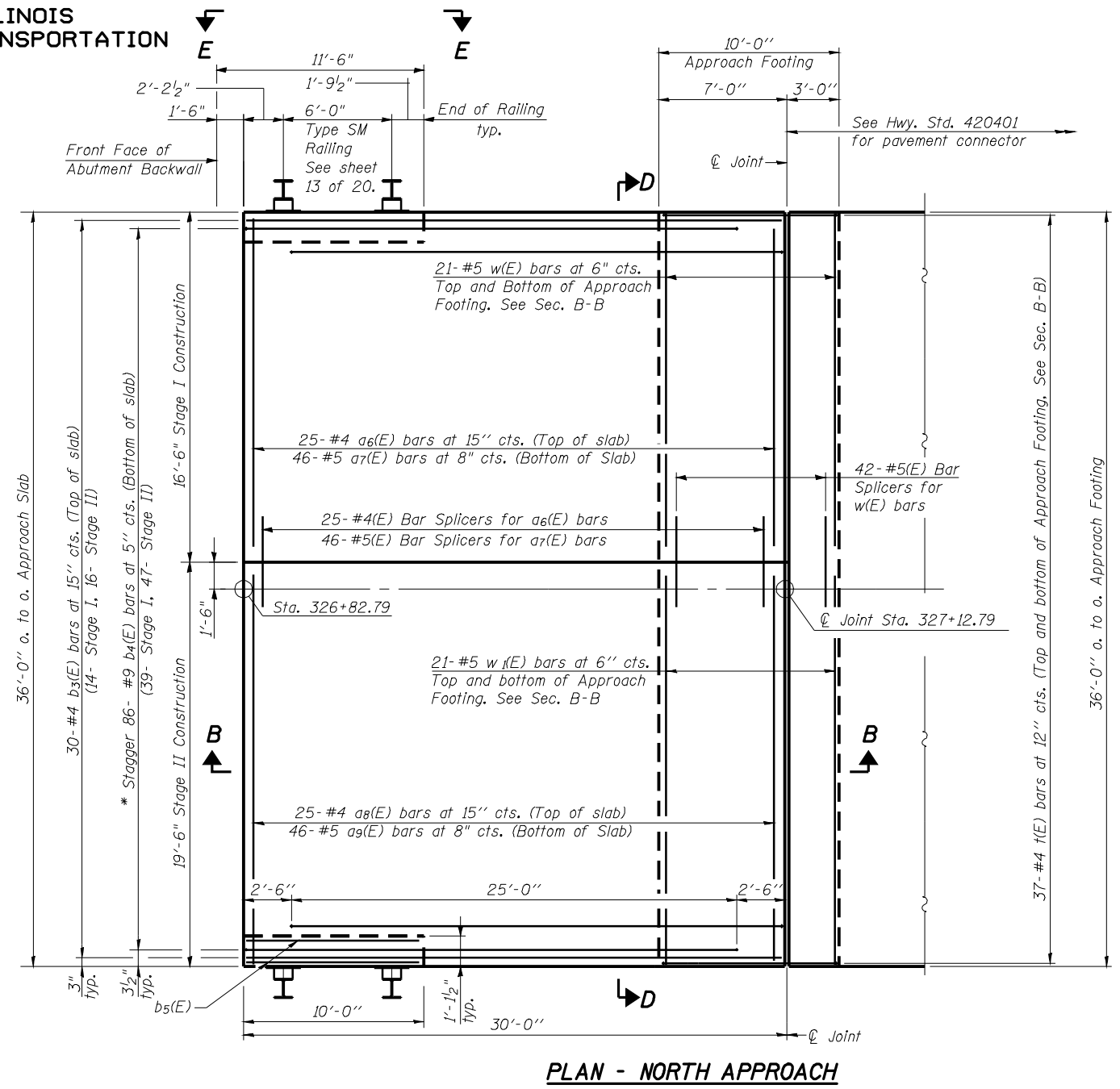
SHEET NO. 10 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 51
	CONTRACT NO. 72B95			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN - SOUTH APPROACH

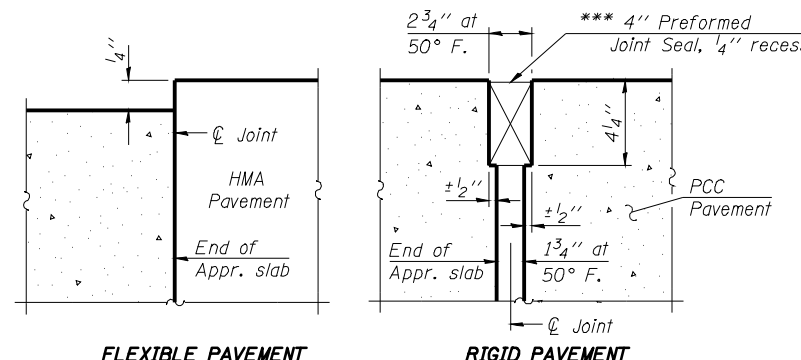
* Tilt #9 b4(E) bars as required to maintain clearance.



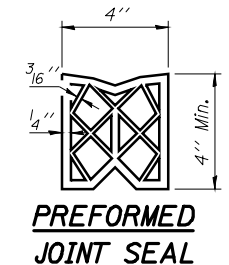
PLAN - NORTH APPROACH

* Tilt #9 b4(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.



DETAIL A



Notes:
See sheet 12 of 20 for Sections B-B, C-C & D-D.
See sheet 13 of 20 for Railing and Railing Connection.
a6(E), a7(E), a8(E), a9(E) and w(E) bar spacings measured parallel to ϕ Rdwy.

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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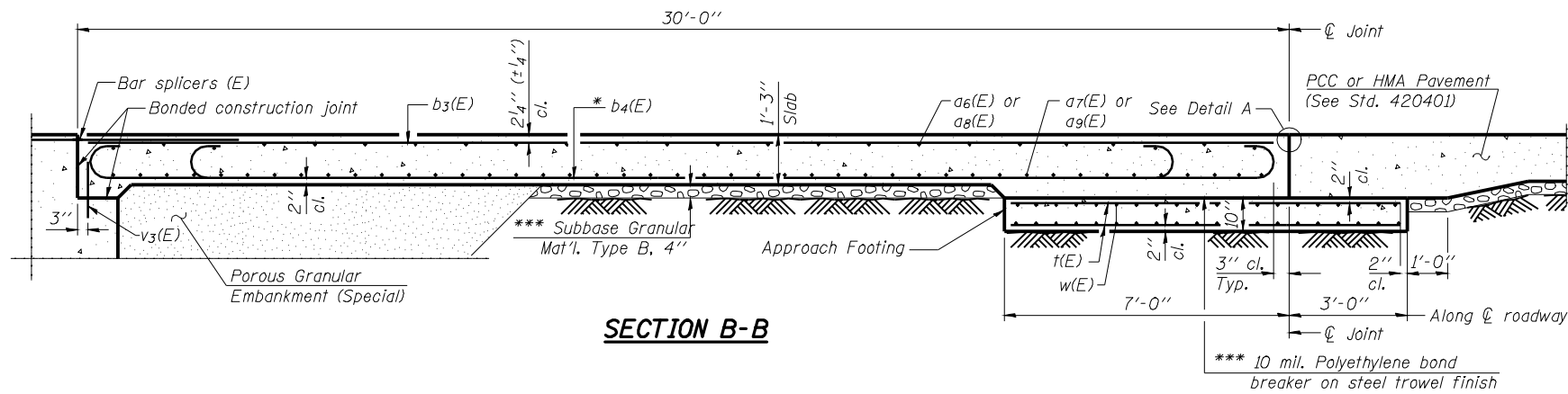
BA-0 Modified 10-31-08

(Sheet 1 of 2)

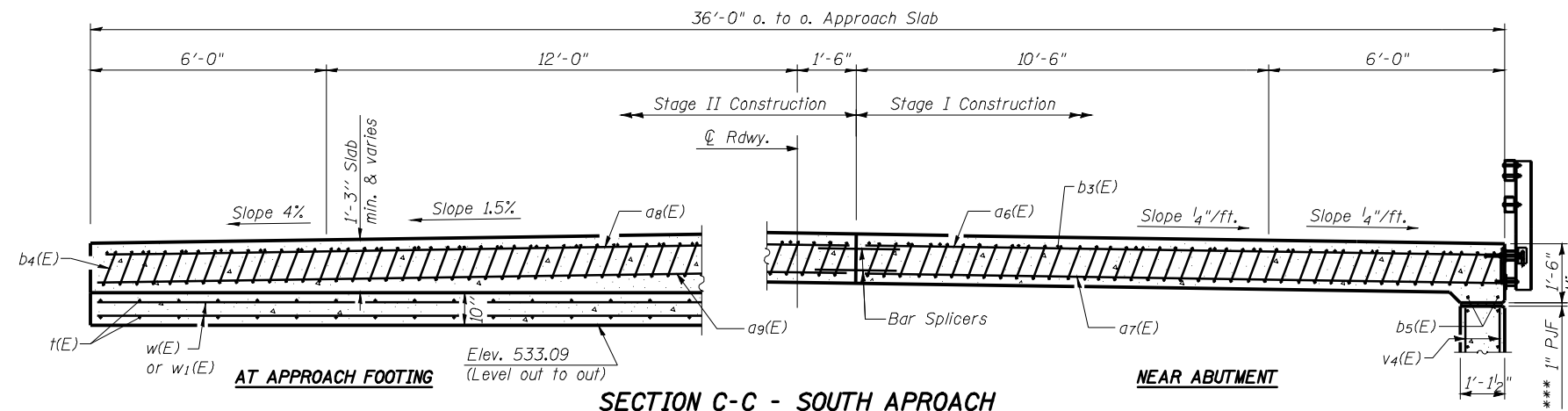
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 085-0001

SHEET NO. 11	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 52
20 SHEETS			CONTRACT NO. 72B95		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

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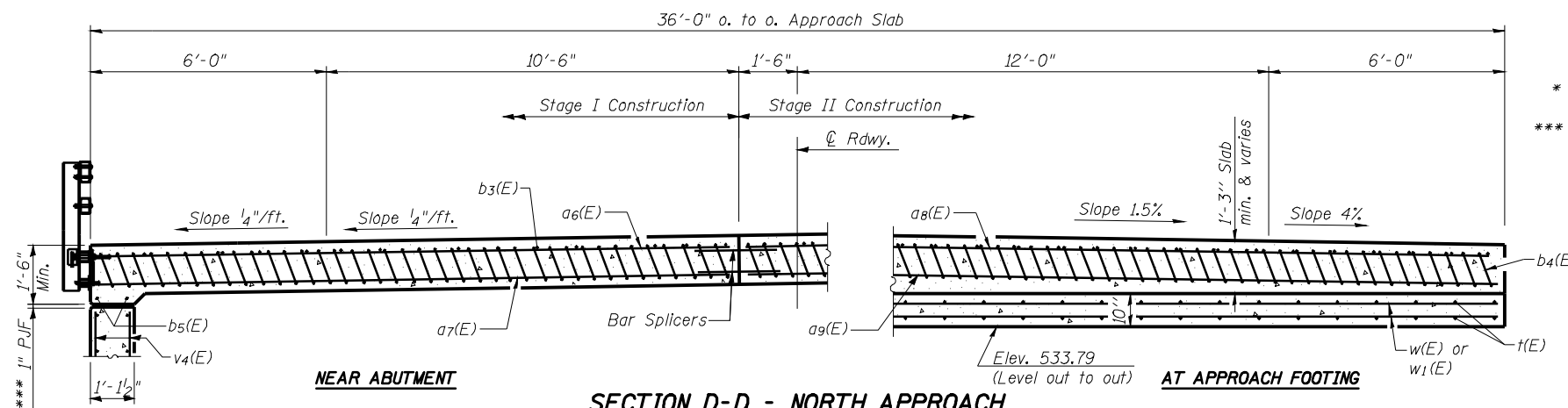


SECTION B-B



SECTION C-C - SOUTH APPROACH

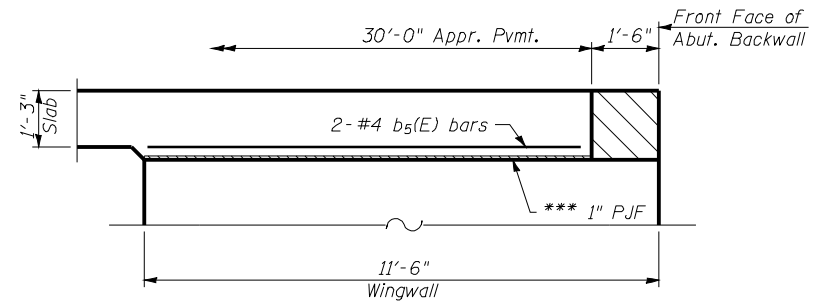
(Looking South - See Plan for dimensions not shown)



SECTION D-D - NORTH APPROACH

(Looking North - See Plan for dimensions not shown)

Notes:
See sheet 11 of 20 for Detail A.
Approach slab concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For v3(E) and v4(E) bar details, see sheet 18 and sheet 19 of 20.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 20 of 20.
Cost of excavation for approach footing included with Concrete Structures.
For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 20.

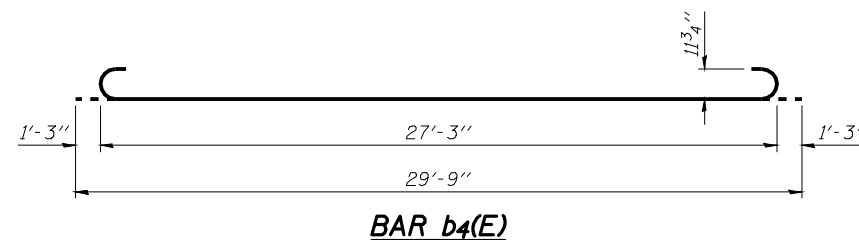


VIEW E-E

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a6(E)	50	#4	16'-4"	—
a7(E)	92	#5	16'-4"	—
a8(E)	50	#4	19'-4"	—
a9(E)	92	#5	19'-4"	—
b3(E)	60	#4	29'-8"	⌋
b4(E)	172	#9	29'-9"	—
b5(E)	8	#4	9'-8"	—
t(E)	148	#4	9'-8"	—
w(E)	84	#5	16'-4"	—
w1(E)	84	#5	19'-4"	—
Concrete Superstructure			Cu. Yd.	101.0
Concrete Structures			Cu. Yd.	11.1
Reinforcement Bars, Epoxy Coated			Pound	27330

* Tilt #9 b4(E) bars as required to maintain clearance.
*** Cost included with Concrete Superstructure.



BAR b4(E)

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 085-0001

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

BA-0 Modified 10-31-08

HOELSCHER ENGINEERING

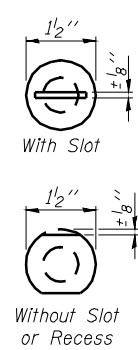
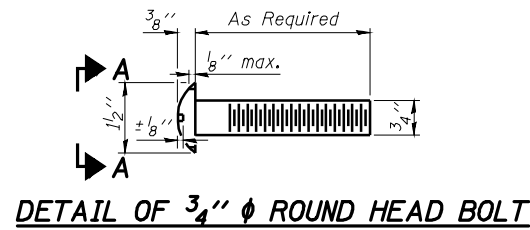
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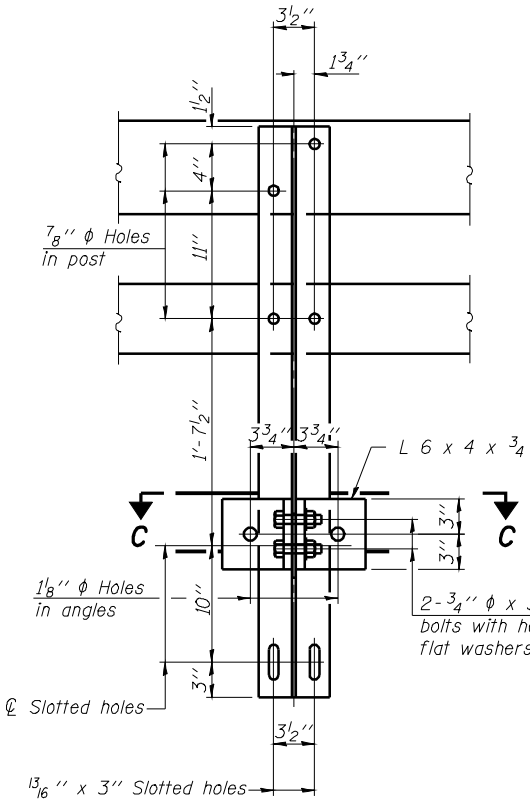
SHEET NO. 12 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 53
	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

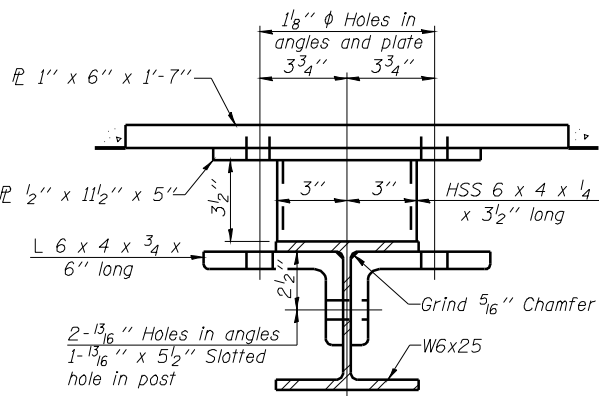


VIEW A-A

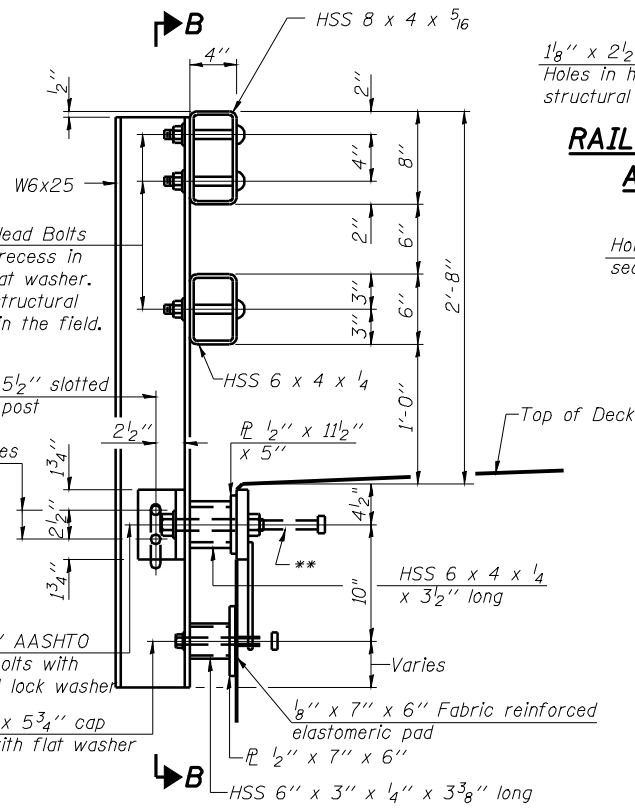
4-3/4" ϕ x 6" Round Head Bolts (With slot or approved recess in head) with locknut & flat washer. 7/8" ϕ holes in hollow structural section may be drilled in the field.



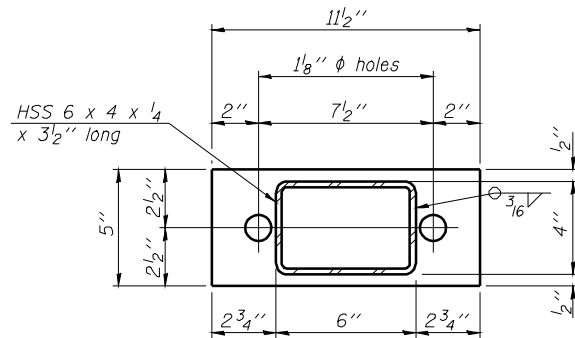
SECTION B-B



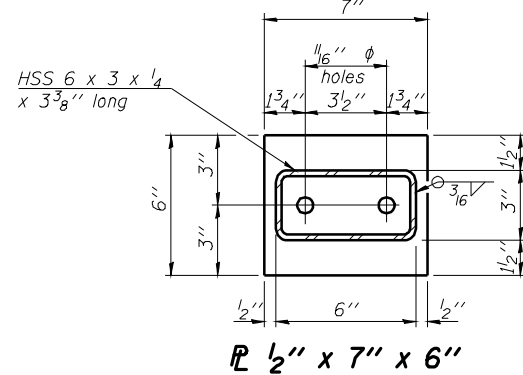
SECTION C-C



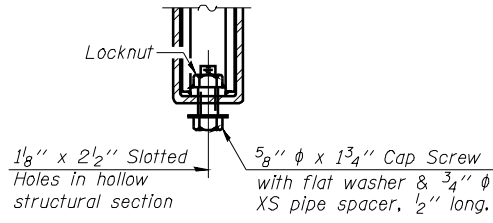
SECTION AT RAIL POST



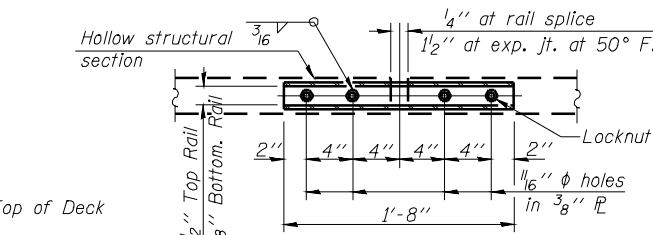
ϕ 1/2" x 11 1/2" x 5"



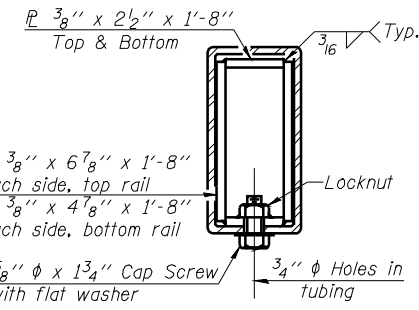
ϕ 1/2" x 7" x 6"



RAIL SPLICE CONNECTION
AT EXPANSION JT.

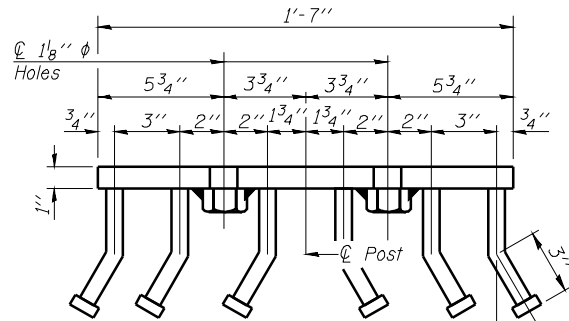


PLAN-BOTTOM SPLICE ϕ TYPICAL

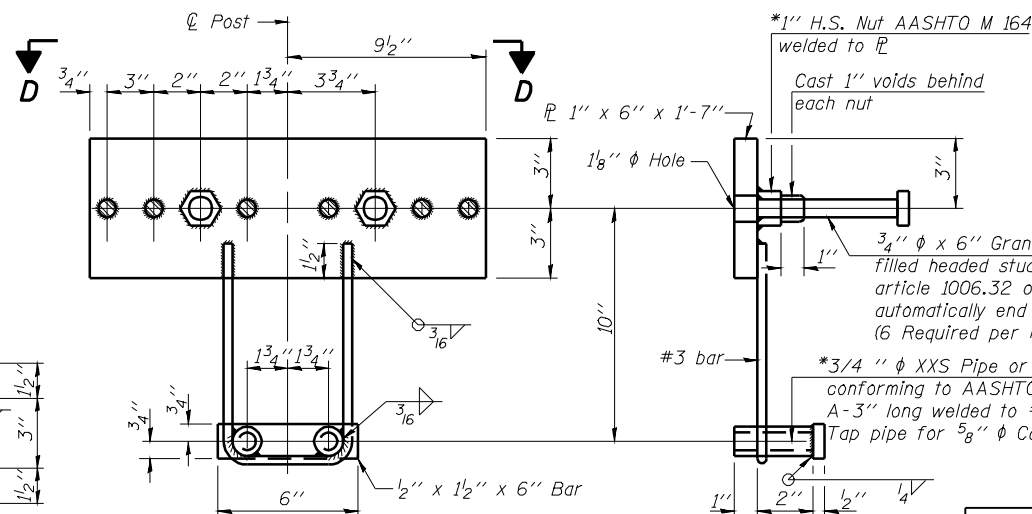


SECTION AT RAIL SPLICE

ϕ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032

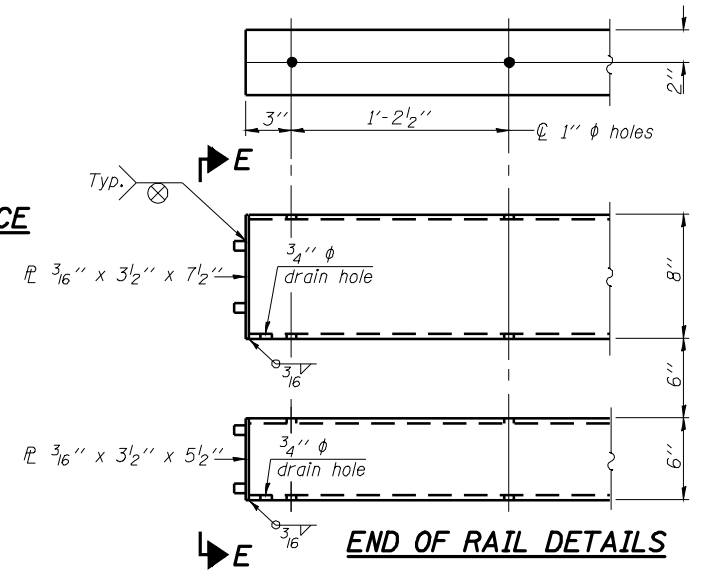


VIEW D-D



ANCHOR DEVICE

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



END OF RAIL DETAILS

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
**The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	392

STEEL RAILING, TYPE SM
WITH CONCRETE WEARING SURFACE
STRUCTURE NO. 085-0001

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

R-34CWS 5-16-08

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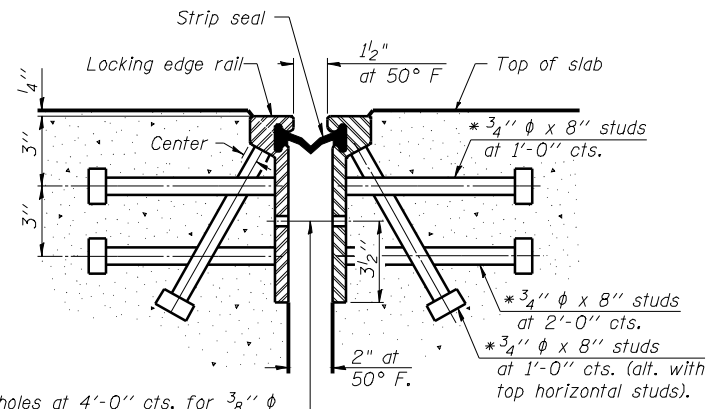
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(6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

SHEET NO. 13	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 54
20 SHEETS	CONTRACT NO. 72B95		ILLINOIS FED. AID PROJECT		

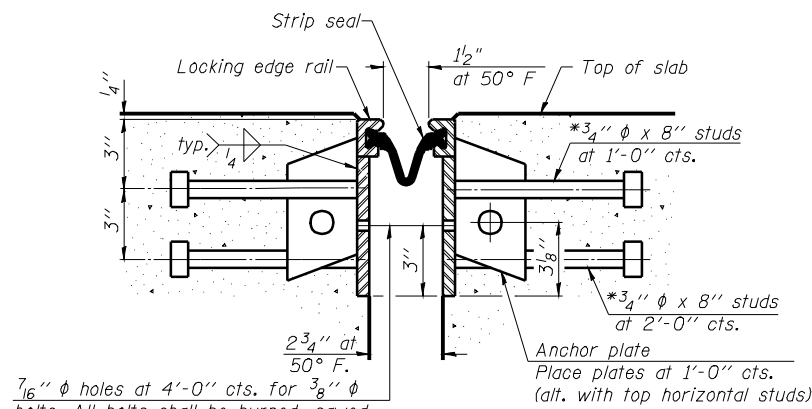
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" φ holes at 4'-0" cts. for 3/8" φ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU
ROLLED RAIL JOINT**



7/16" φ holes at 4'-0" cts. for 3/8" φ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU
WELDED RAIL JOINT**

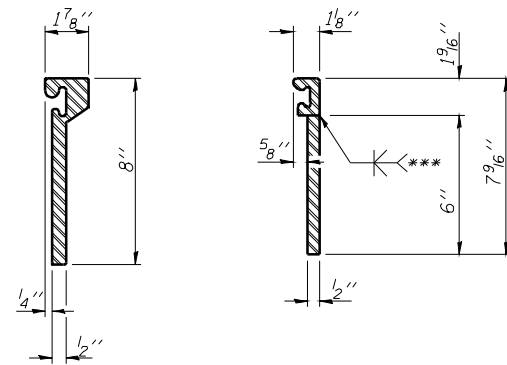
Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

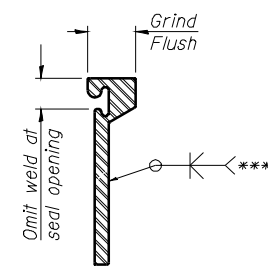
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.



**ROLLED
EXTRUDED RAIL** **WELDED RAIL**

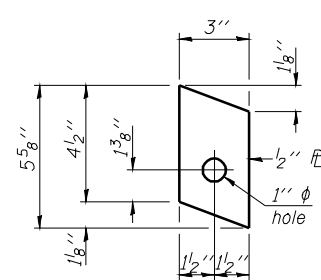


***Back gouge not required if complete joint penetration is verified by mock-up.

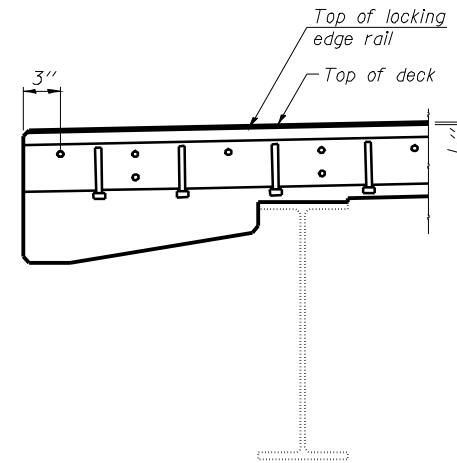
**LOCKING EDGE
RAIL SPLICE**

The inside of the locking edge rail groove shall be free of weld residue.

LOCKING EDGE RAILS



ANCHOR PL
(for welded rail)



END TREATMENT AT EDGE OF SLAB

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	72.0

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

EJ-SSJ

10-1-08

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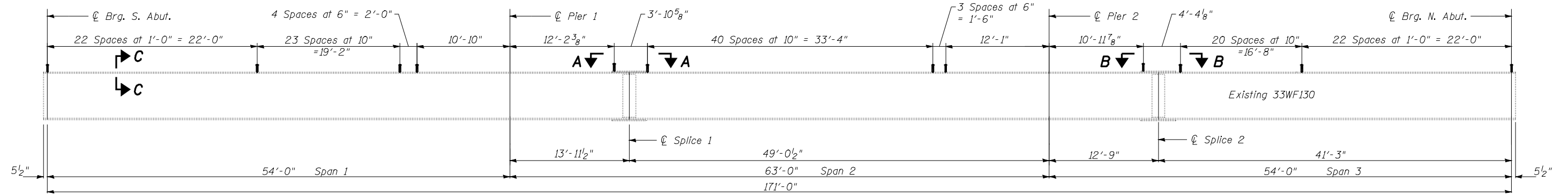
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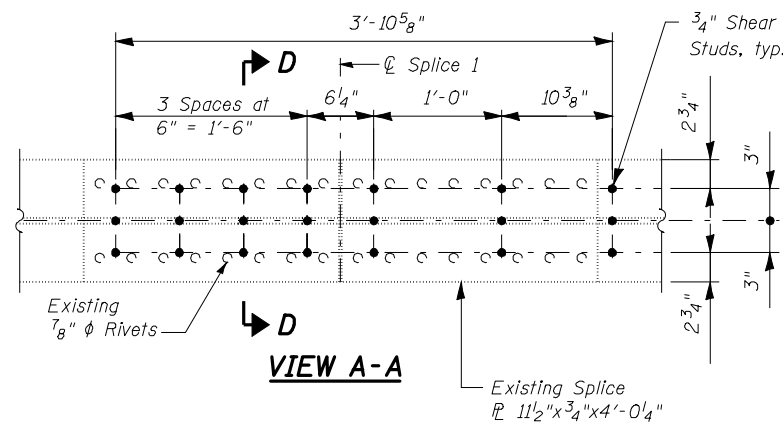
**PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 085-0001**

SHEET NO. 14	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 55
20 SHEETS	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

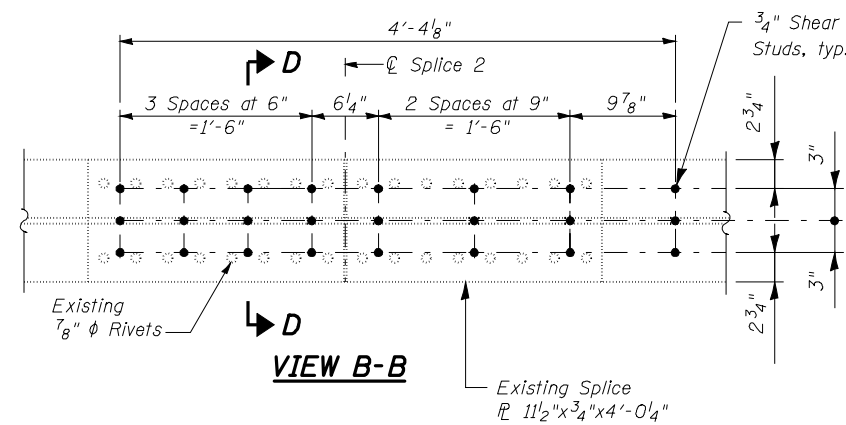
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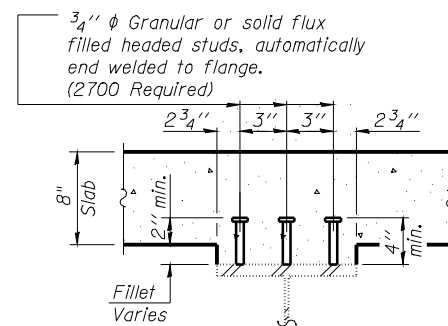
EXISTING BEAM ELEVATION
Showing Stud Shear Connector Spacing



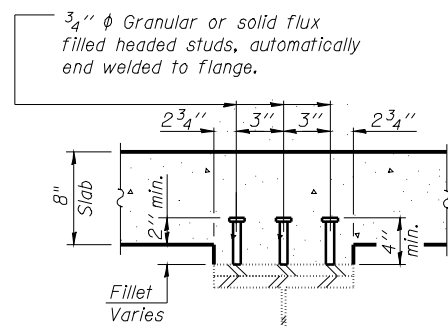
VIEW A-A



VIEW B-B



SECTION C-C



SECTION D-D

(At Existing Splice R)

INTERIOR BEAM MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 3	Pier	0.5 Sp. 2
I_s	(in ⁴)	6699	6699	6699
$I_c(n)$	(in ⁴)	18161	-	18161
$I_c(3n)$	(in ⁴)	13173	-	13173
S_s	(in ³)	405	405	405
$S_c(n)$	(in ³)	605	-	605
$S_c(3n)$	(in ³)	543	-	543
Z	(in ³)	-	466	-
ρ	(k/')	0.80	0.82	0.80
$M\phi$	(k)	169	279	123
$s\phi$	(k/')	0.02	-	0.02
$M_s\phi$	(k)	4	-	3
M_L	(k)	332	174	332
M_{IM}	(k)	93	47	88
$\phi_3 [M_L + i]$	(k)	708	368	700
M_a	(k)	1146	842	1074
M_u	(k)	1894	1282	1894
$f_s \phi$ non-comp	(ksi)	5.0	8.3	3.6
$f_s \phi$ (comp)	(ksi)	0.1	-	0.1
$f_s \phi_3 [M_L + M_I]$	(ksi)	14.0	10.9	13.9
f_s (Overload)	(ksi)	19.1	19.2	17.6
f_s (Total)	(ksi)	-	-	-
VR	(k)	32.5	-	33.5

*Compact section
**Braced non-compact and partially braced section

INTERIOR BEAM REACTION TABLE		
$R\phi$	(k)	17.9
R_L	(k)	31.6
R_I	(k)	8.8
R_{Total}	(k)	58.3

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in.⁴ and in.³).
 $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in.⁴ and in.³).
 $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
Z: Plastic Section Modulus of the steel section in non-composite areas (in.³).
 ρ : Un-factored non-composite dead load (kips/ft.).
 $M\phi$: Un-factored moment due to non-composite dead load (kip-ft.).
 $s\phi$: Un-factored long-term composite (superimposed) dead load (kips/ft.).
 $M_s\phi$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
 M_L : Un-factored live load moment (kip-ft.).
 M_I : Un-factored moment due to impact (kip-ft.).
 M_a : Factored design moment (kip-ft.).
 $1.3 [M\phi + M_s\phi + \frac{2}{3} (M_L + M_I)]$
 M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
 f_s (Overload): Sum of stresses as computed from the moments below (ksi).
 $M\phi + M_s\phi + \frac{2}{3} (M_L + M_I)$
 f_s (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.3 [M\phi + M_s\phi + \frac{2}{3} (M_L + M_I)]$
VR: Maximum ϕ + impact horizontal shear range within the composite portion of the span for stud shear connector design (kips).

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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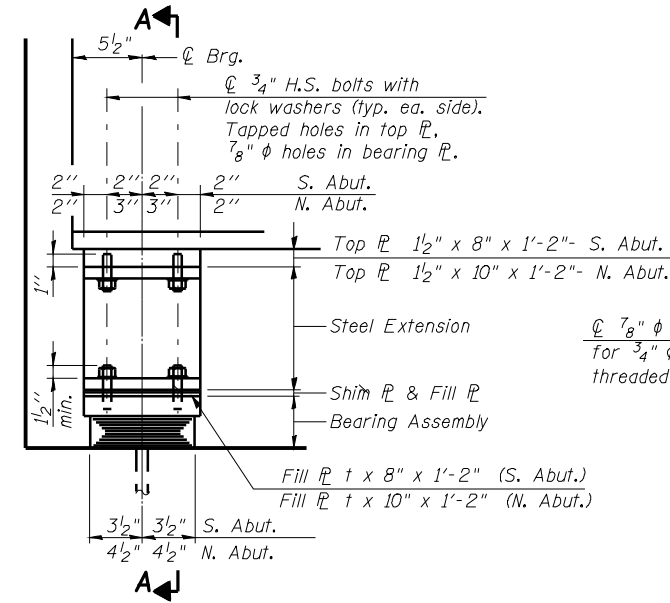
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STRUCTURAL STEEL DETAILS
STRUCTURE NO. 085-0001

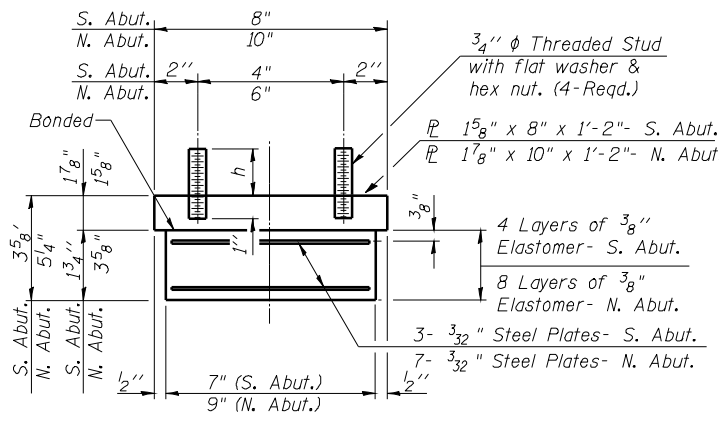
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20 SHEETS	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

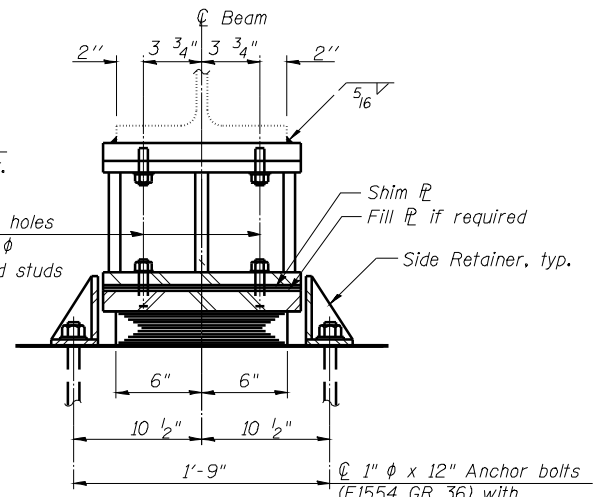


ELEVATION AT ABUT.

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY



SECTION A-A

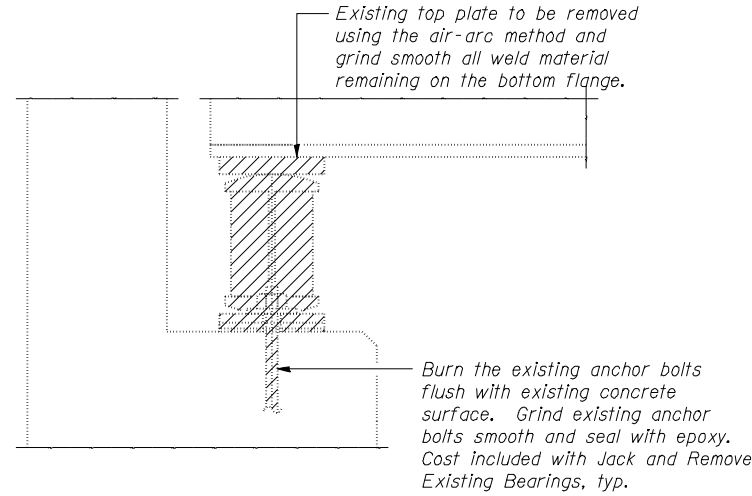
Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

4" Dimensions

Location (Beam No.)	S. Abut.	N. Abut.
1	0	1/2'
2	3/8"	0
3	3/4"	3/4"
4	5/8"	1 1/4"
5	0	3/8"
6	0	3/8"

h" Dimensions

Location (Beam No.)	S. Abut.	N. Abut.
1	2 3/4"	3 1/4"
2	3"	2 3/4"
3	3 1/2"	2 5/8"
4	3 3/8"	4'
5	2 5/8"	2 1/8"
6	2 3/4"	2 1/8"



EXISTING ABUTMENT BEARING REMOVAL

JACK AND REMOVE EXISTING BEARING PROCEDURE

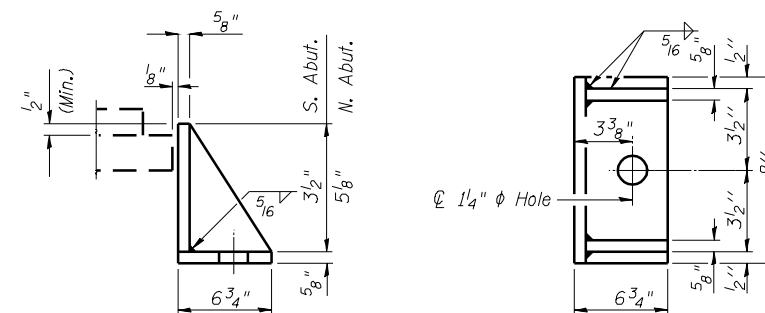
(North and South Abutments)

1. The Contractor shall submit for approval by the Engineer, plans for jacking existing beams and installing new bearings prior to commencing any related work.
2. Jacking and removing existing bearings shall be done after existing concrete deck is removed and prior to pouring the concrete deck.
3. Prior to ordering any material, the Contractor shall verify steel extension height and shim plate thickness required at each bearing so that total height of new bearing, steel extension and fill matches height of existing bearing and shim.
4. There shall be at least one jack per bearing, and the Jack shall be placed close to the bearings.
5. For limitations on lift amounts, see Special Provisions.
6. The maximum dead load reaction per beam (weight of steel only) at South and North Abutments is 3.2 kips. Minimum Jack capacity is 5 Kips for South and North Abutments.
7. The new bearing and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.
8. Jacking against diaphragms is prohibited.

Note:

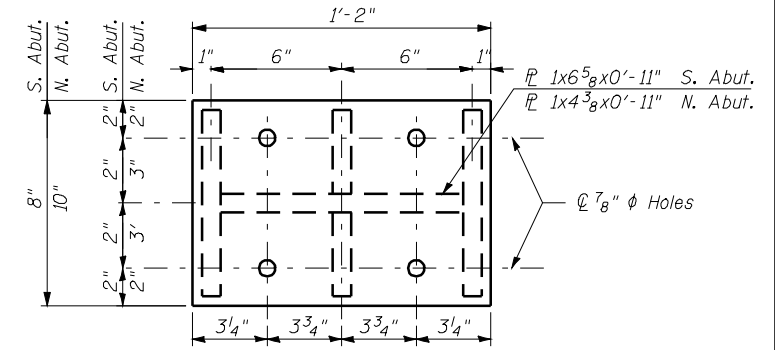
Shim plates shall not be placed under Bearing Assembly.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

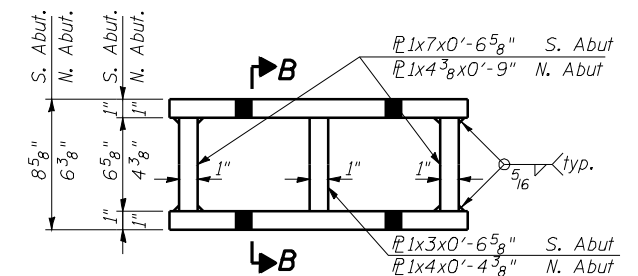


SIDE RETAINER

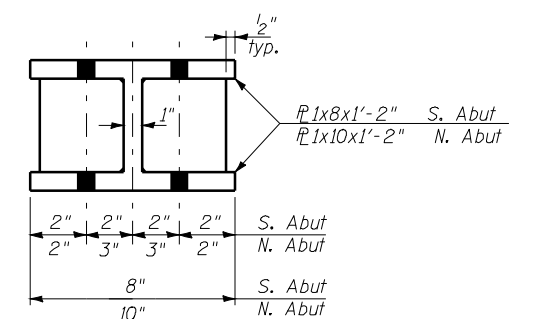
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PLAN TOP AND BOTTOM PLATE



STEEL EXTENSION DETAIL



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Anchor Bolts, 1"	Each	24

BEARING DETAILS
STRUCTURE NO. 085-0001

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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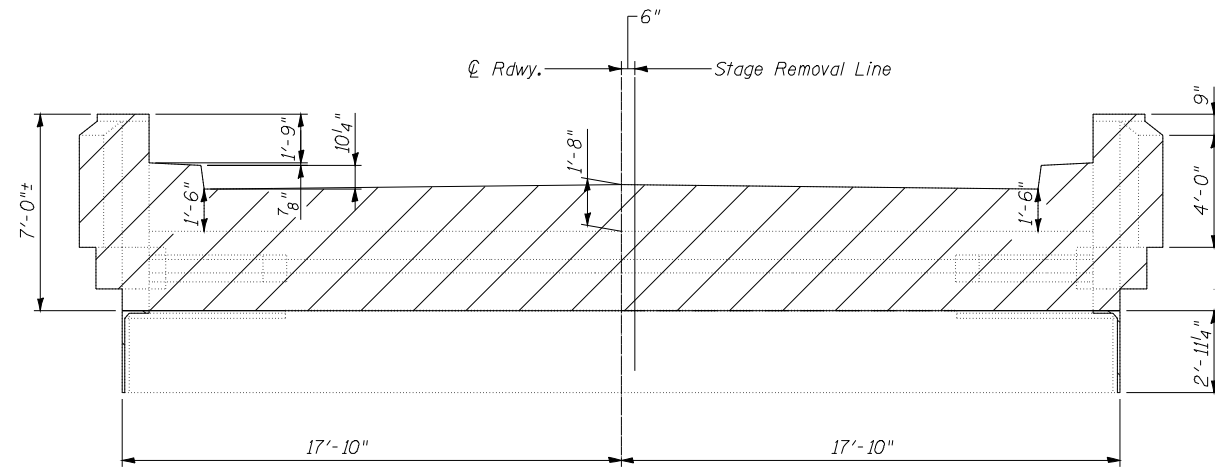
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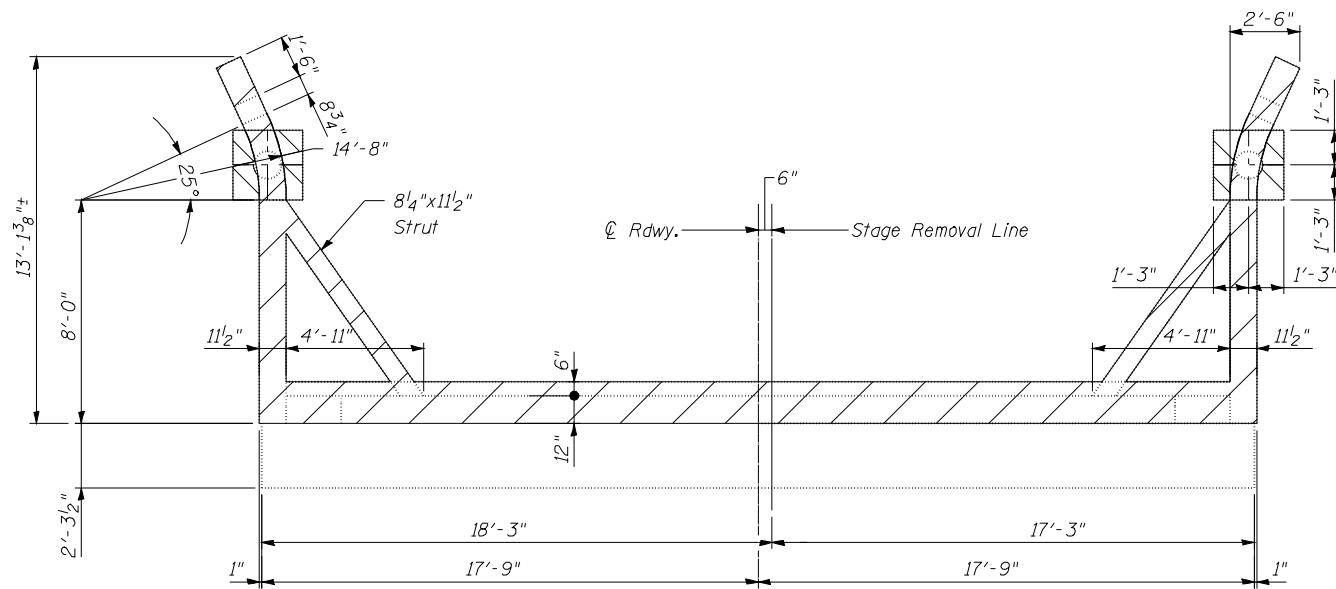
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20 SHEETS	CONTRACT NO. 72B95		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



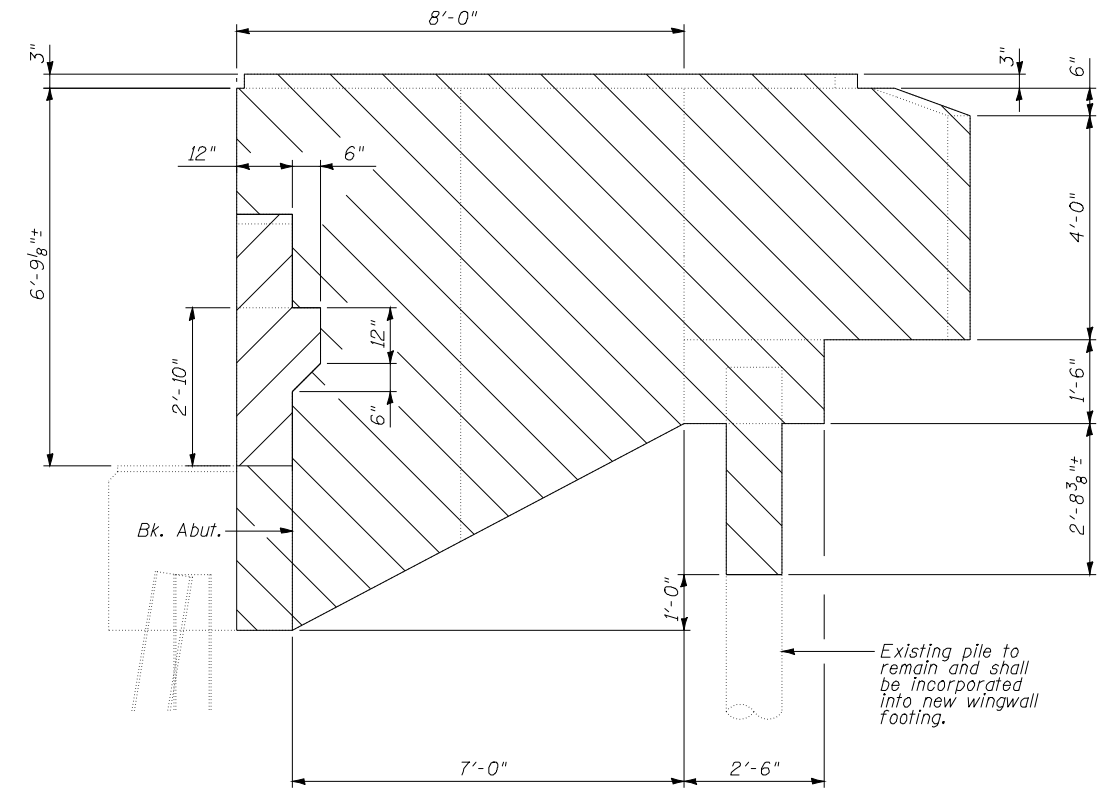
ELEVATION-NORTH ABUTMENT

(Looking North)
(South Abutment Similar)



PLAN-NORTH ABUTMENT

(South Abutment Similar)



WINGWALL ELEVATION-NORTH ABUTMENT

(South Abutment Similar)

Notes:

- Hatched area indicates Concrete Removal.
- Existing reinforcement bars extending into the new construction shall be cleaned, straightened and incorporated into the new construction. Cost included with Concrete Removal.
- Existing reinforcement bars not extending into the new construction shall be cut off and covered with a 2" layer of cement grout. Cost included with Concrete Removal.

**TWO ABUTMENTS
BILL OF MATERIAL**

ITEM	UNIT	Quantity
Concrete Removal	Cu. Yd.	27.4

**CONCRETE REMOVAL
STRUCTURE NO. 085-0001**

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

HOELSCHER ENGINEERING

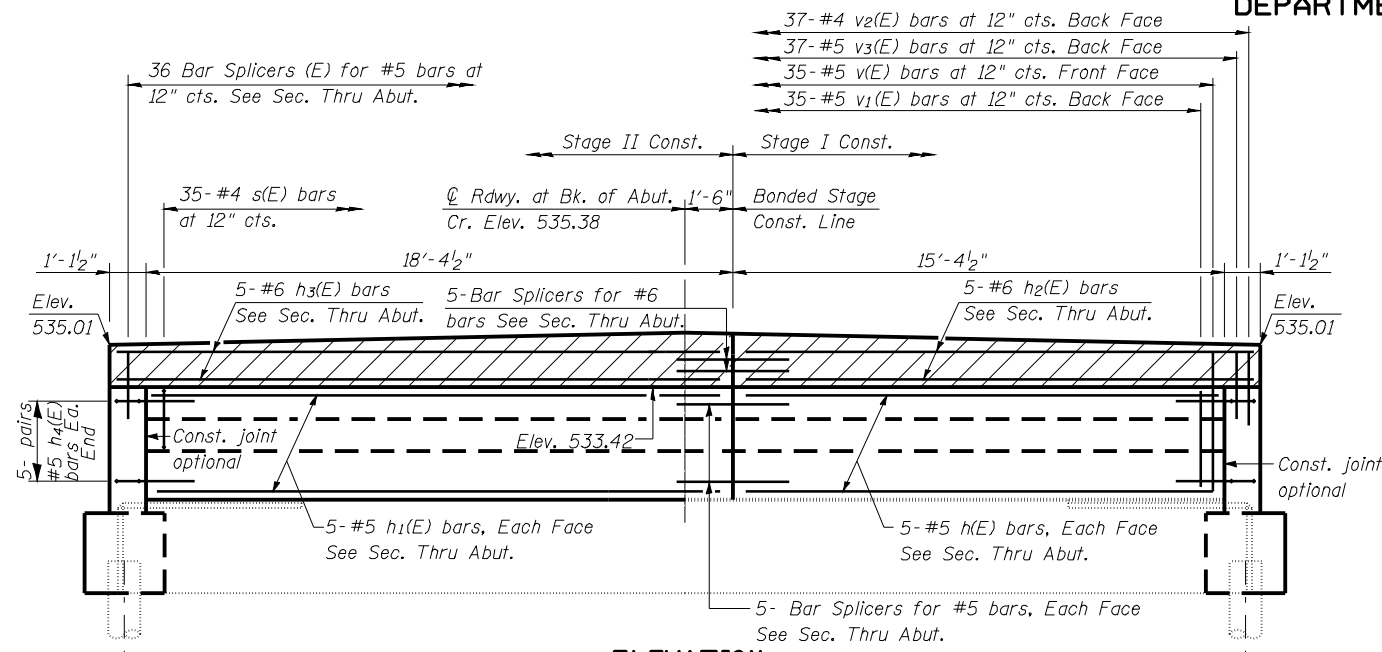
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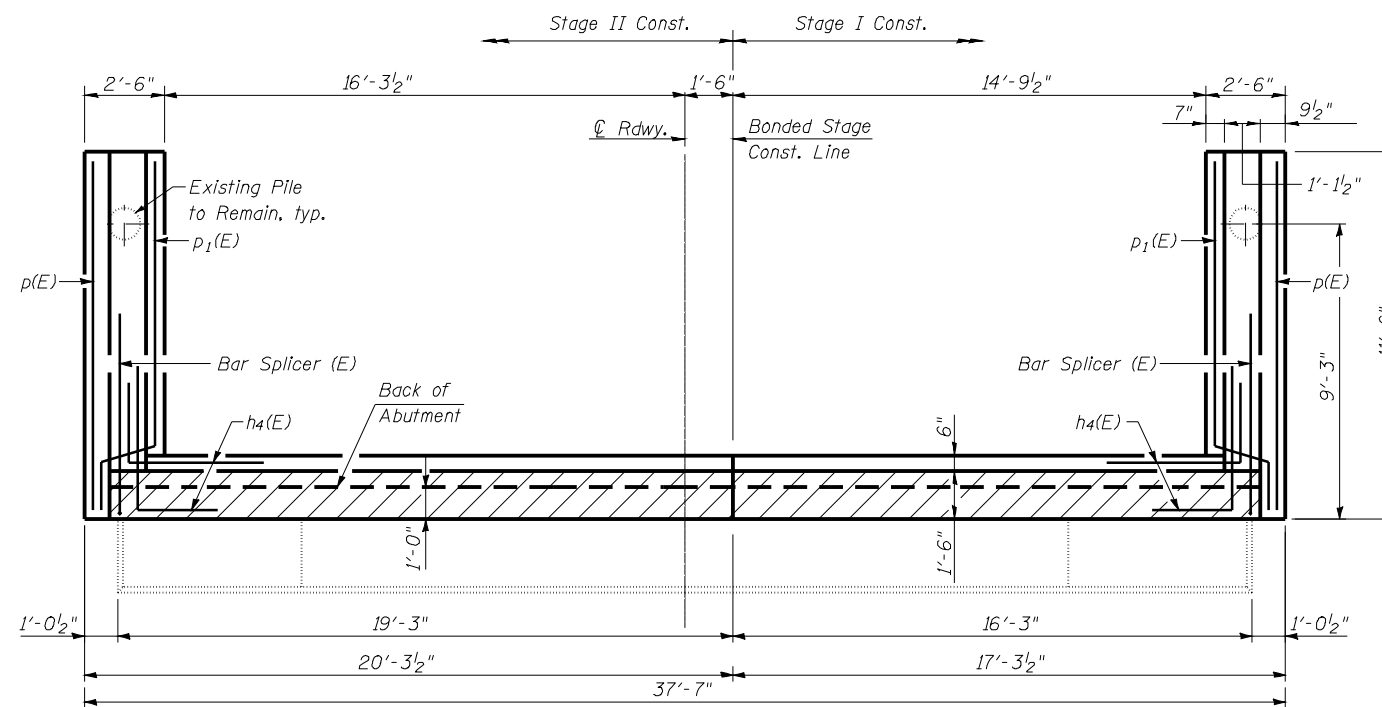
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SHEET NO. 17 20 SHEETS	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 58
	CONTRACT NO. 72B95				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

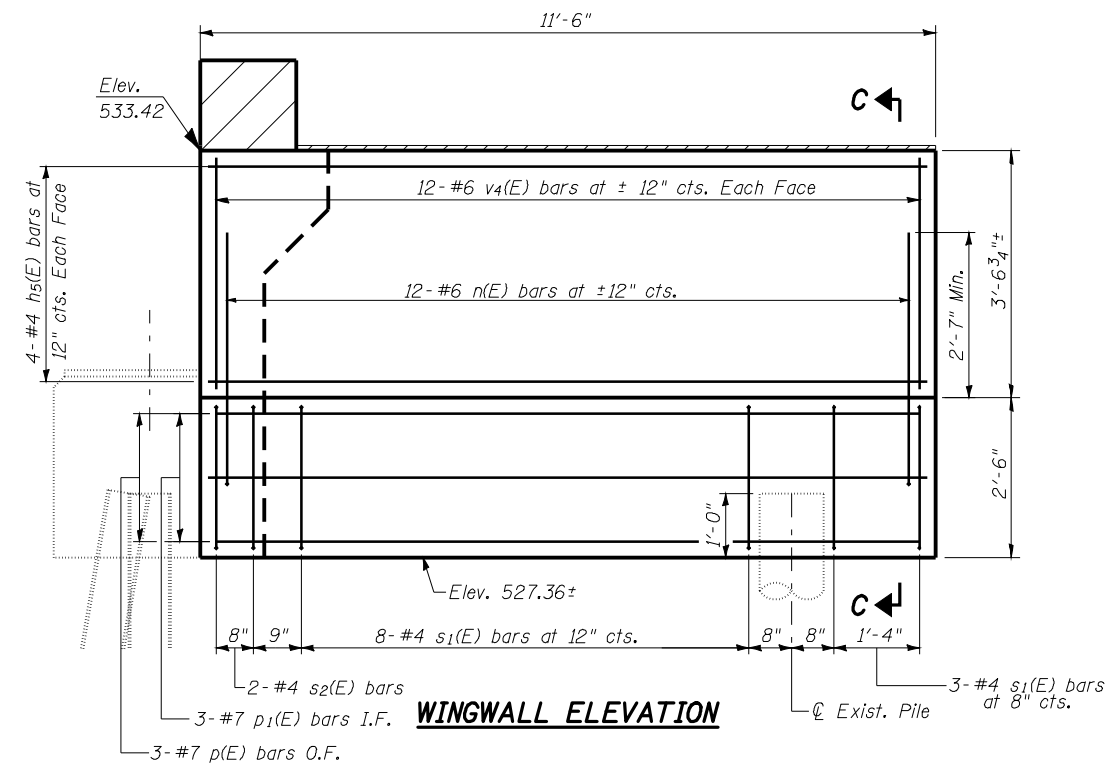
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DEPARTMENT OF TRANSPORTATION



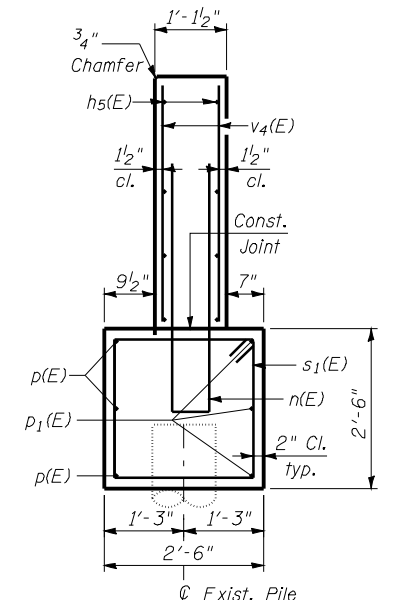
ELEVATION
(Looking South)



TOP VIEW



WINGWALL ELEVATION



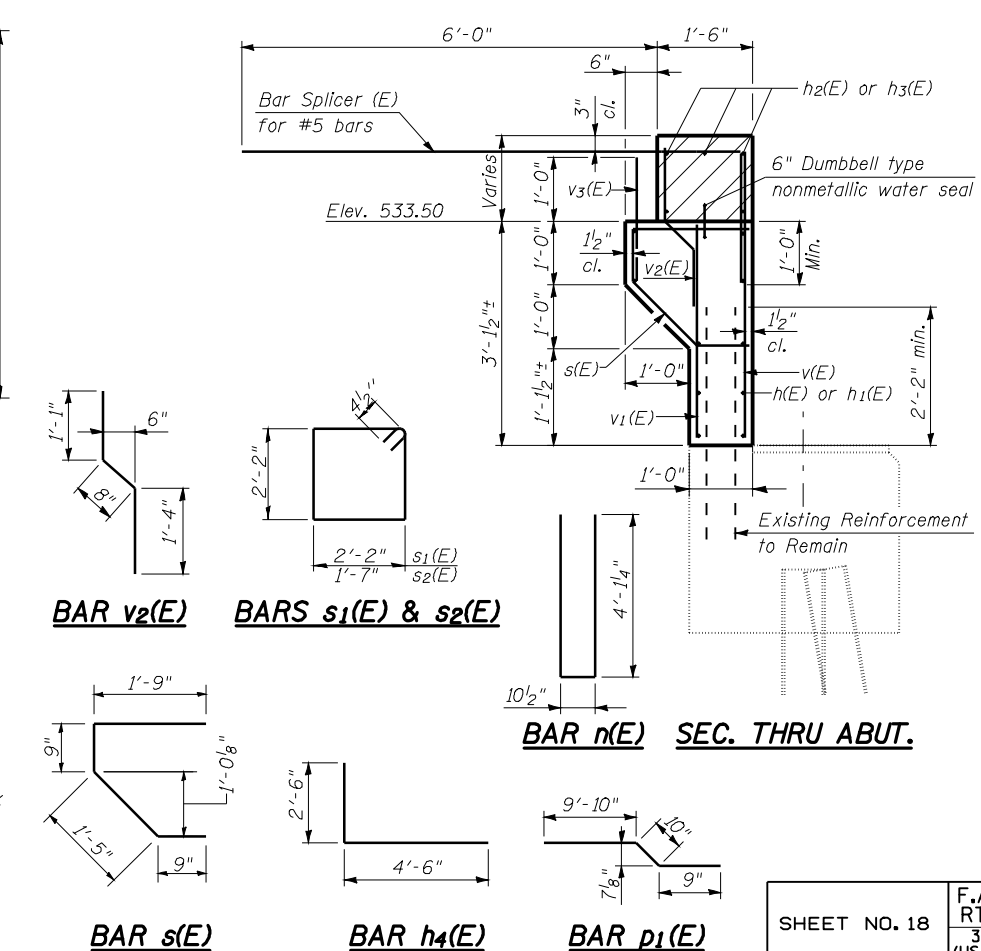
SECTION C-C

**ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	10	#5	15'-1"	▬
h ₁ (E)	10	#5	18'-1"	▬
h ₂ (E)	5	#6	16'-3"	▬
h ₃ (E)	5	#6	19'-3"	▬
h ₄ (E)	20	#5	7'-0"	└
h ₅ (E)	16	#4	11'-3"	▬
n(E)	24	#6	9'-1"	▬
p(E)	6	#7	11'-2"	▬
p ₁ (E)	6	#7	11'-5"	▬
s(E)	35	#4	4'-8"	└
s ₁ (E)	22	#4	9'-5"	▬
s ₂ (E)	4	#4	8'-3"	▬
v(E)	35	#5	4'-3"	▬
v ₁ (E)	35	#5	3'-0"	▬
v ₂ (E)	37	#4	3'-1"	▬
v ₃ (E)	37	#5	1'-9"	▬
v ₄ (E)	48	#6	3'-5"	▬
Structure Excavation		Cu. Yd.	52.5	
Concrete Structures		Cu. Yd.	18.0	
Reinforcement Bars, Epoxy Coated		Pound	2410	
Concrete Sealer		Sq. Ft.	174	

For details of Bar Splicers, see sheet 20 of 20.

**SOUTH ABUTMENT
STRUCTURE NO. 085-0001**



BAR v₂(E)

BARS s₁(E) & s₂(E)

BAR n(E) SEC. THRU ABUT.

BAR s(E)

BAR h₄(E)

BAR p₁(E)

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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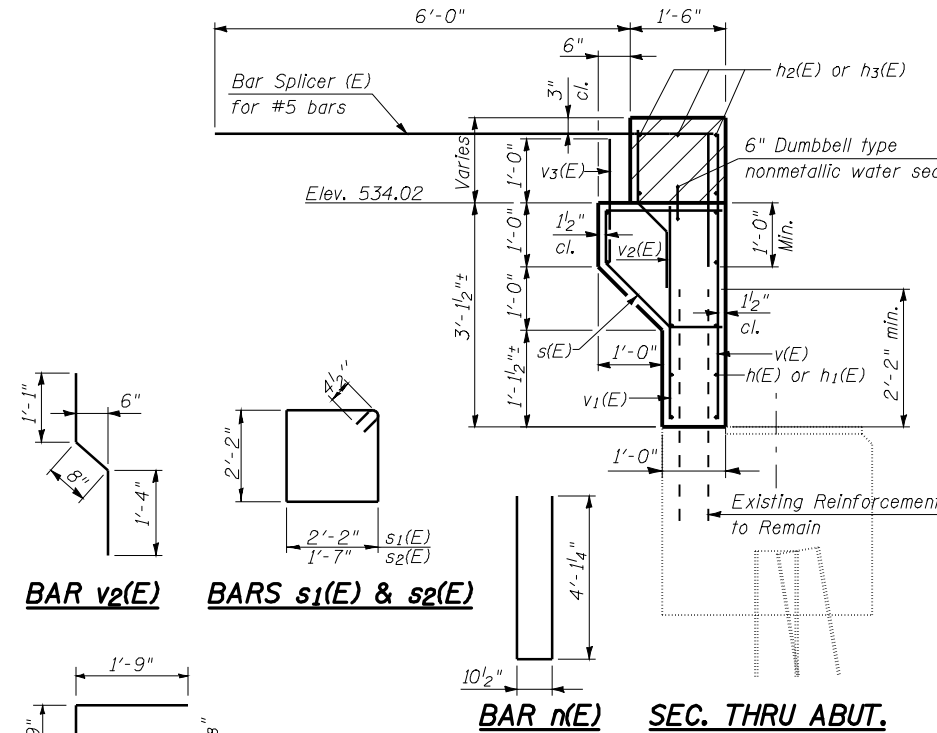
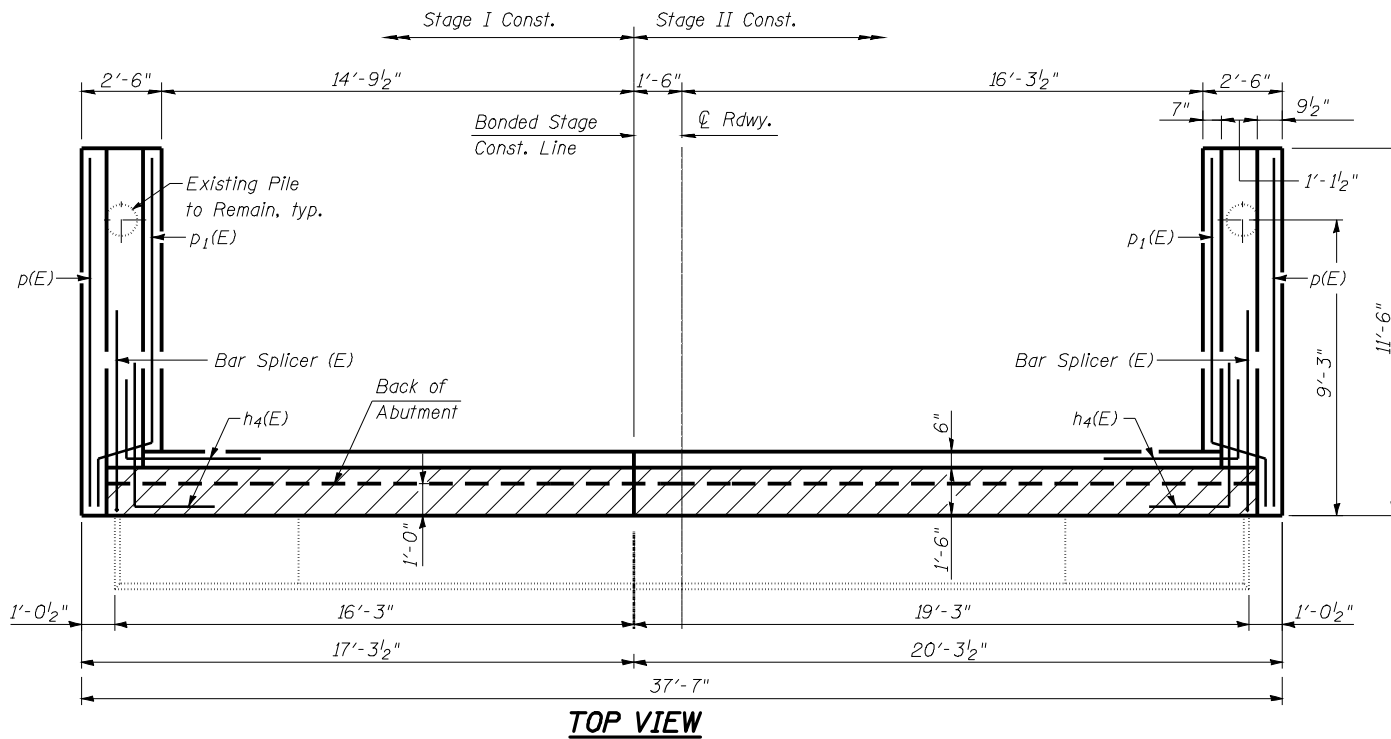
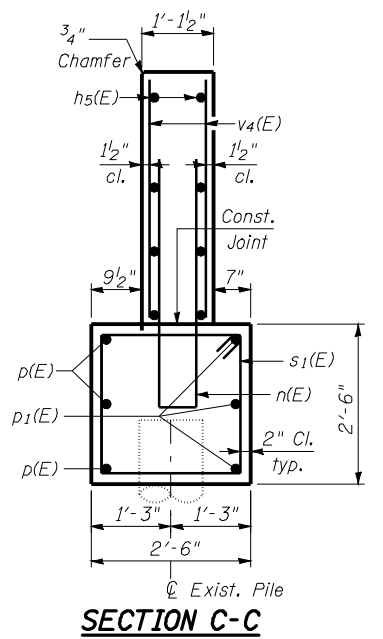
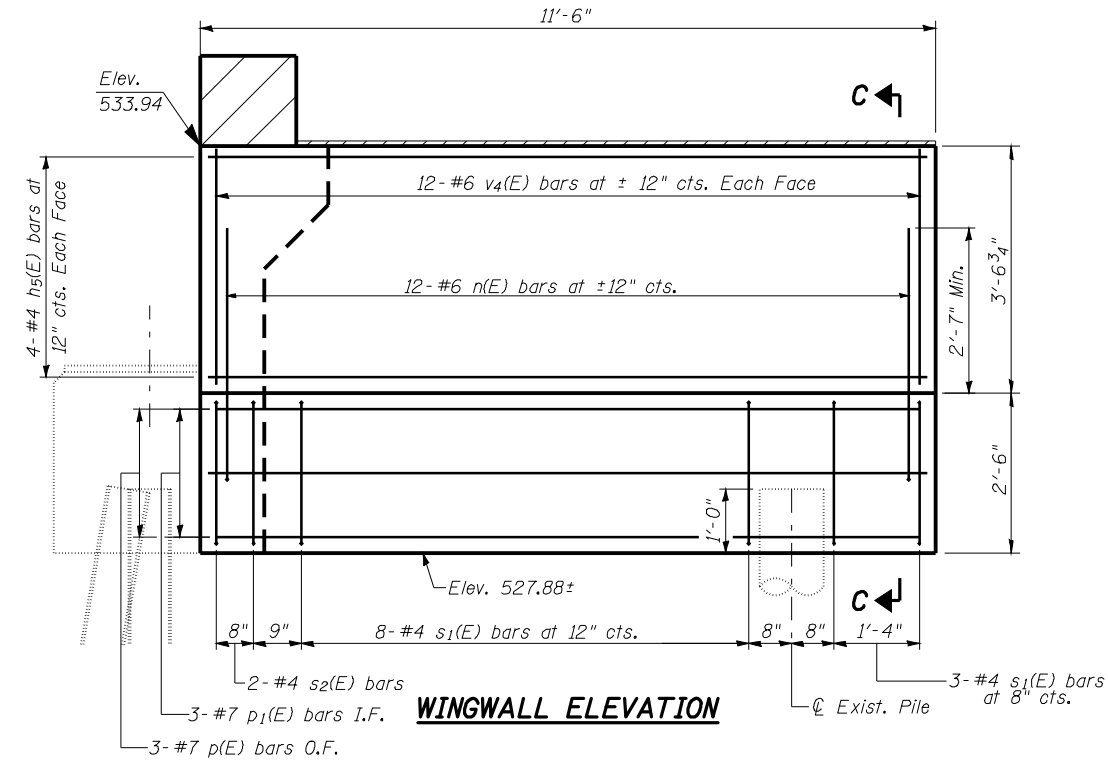
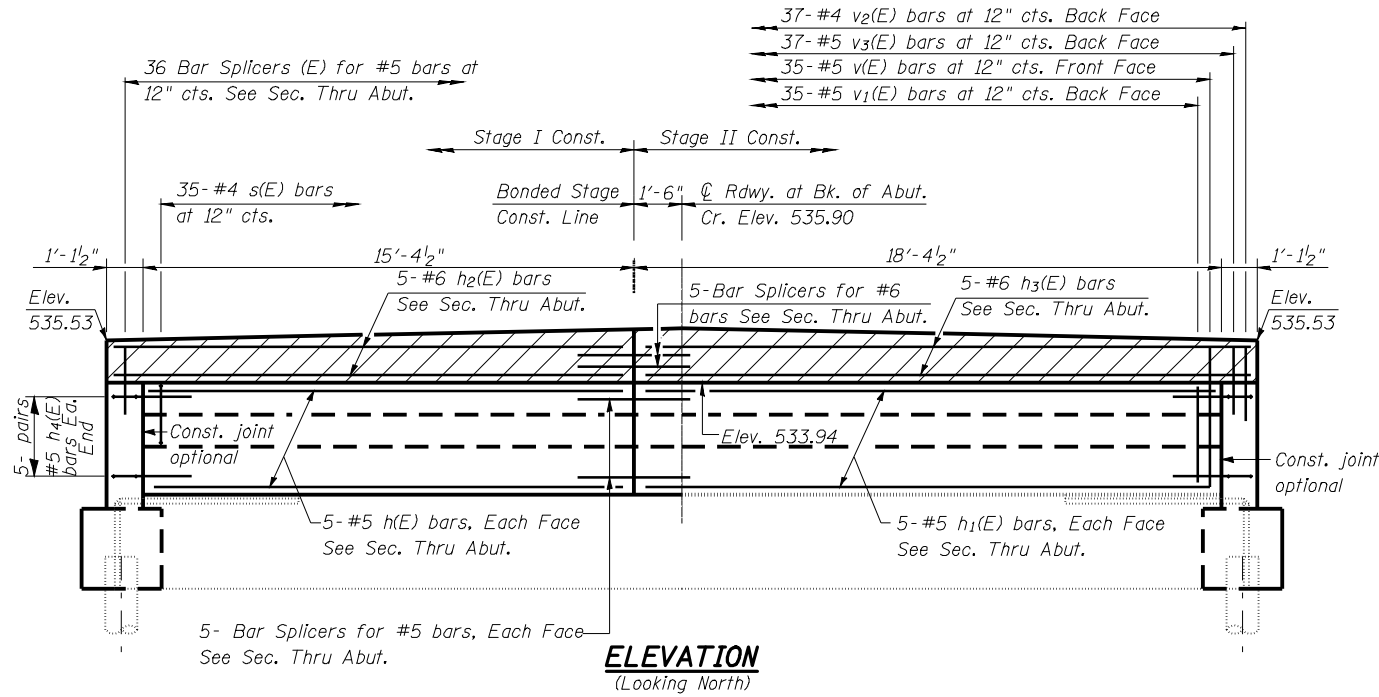
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(217) 698-8608 (fax)

115 North Neil Street, Suite 105
Champaign, Illinois 61820
(217) 351-8610
(217) 351-8611 (fax)

Notes:
Hatched area to be poured after superstructure formwork has been removed. Quantity of Concrete Included with Concrete Superstructure.
I.F.= Inside Face
O.F.= Outside Face

SHEET NO. 18	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 59
20 SHEETS	CONTRACT NO. 72B95		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	10	#5	15'-1"	
h1(E)	10	#5	18'-1"	
h2(E)	5	#6	16'-3"	
h3(E)	5	#6	19'-3"	
h4(E)	20	#5	7'-0"	
hs(E)	16	#4	11'-3"	
n(E)	24	#6	9'-1"	
p(E)	6	#7	11'-2"	
p1(E)	6	#7	11'-5"	
s(E)	35	#4	4'-8"	
s1(E)	22	#4	9'-5"	
s2(E)	4	#4	8'-3"	
v(E)	35	#5	4'-3"	
v1(E)	35	#5	3'-0"	
v2(E)	37	#4	3'-1"	
v3(E)	37	#5	1'-9"	
v4(E)	48	#6	3'-5"	
Structure Excavation		Cu. Yd.	52.5	
Concrete Structures		Cu. Yd.	18.0	
Reinforcement Bars, Epoxy Coated		Pound	2410	
Concrete Sealer		Sq. Ft.	174	

For details of Bar Splicers, see sheet 20 of 20.

NORTH ABUTMENT
STRUCTURE NO. 085-0001

SHEET NO. 19	F.A. RTE. 310 (US 67)	SECTION (87B) BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 60
20 SHEETS	CONTRACT NO. 72B95		ILLINOIS FED. AID PROJECT		

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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(618) 624-8611 (fax)

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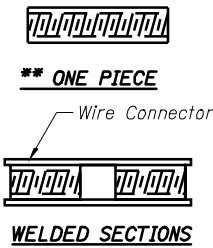
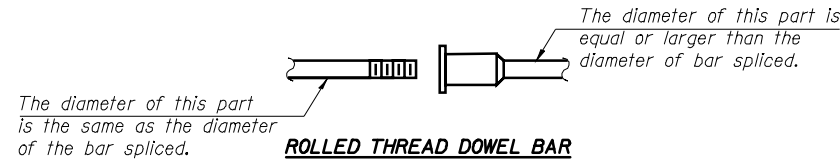
Notes:
Hatched area to be poured after superstructure formwork has been removed. Quantity of Concrete included with Concrete Superstructure.
I.F. = Inside Face
O.F. = Outside Face

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOTES

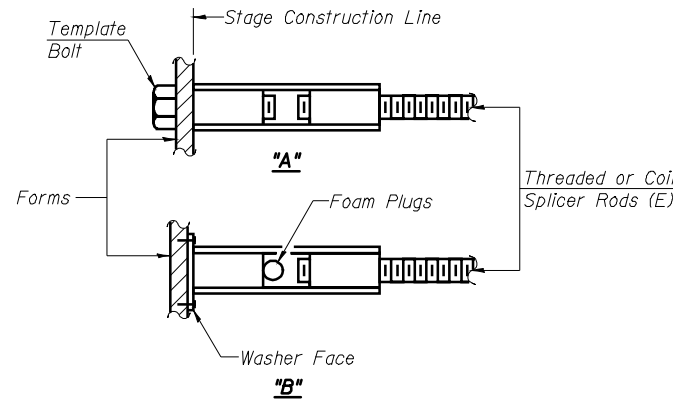
Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the 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 (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete



BAR SPLICER ASSEMBLY ALTERNATIVES

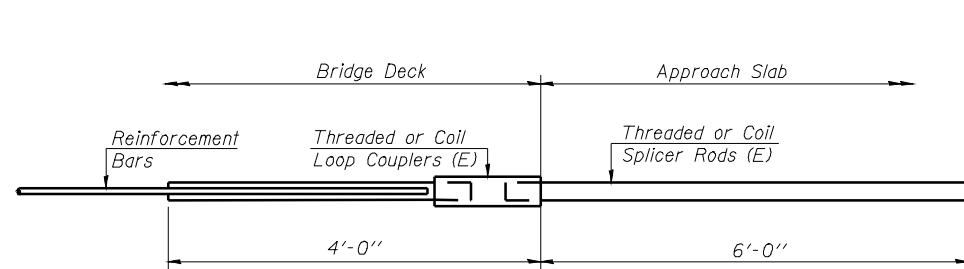
**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

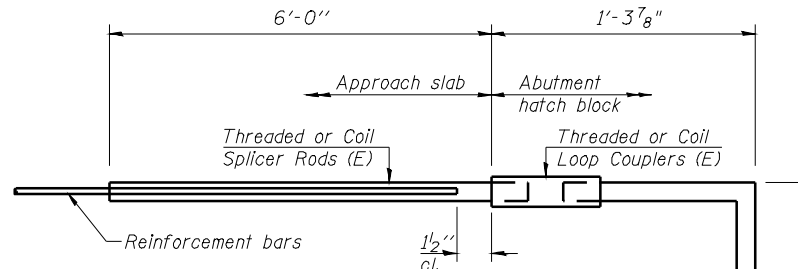
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

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	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



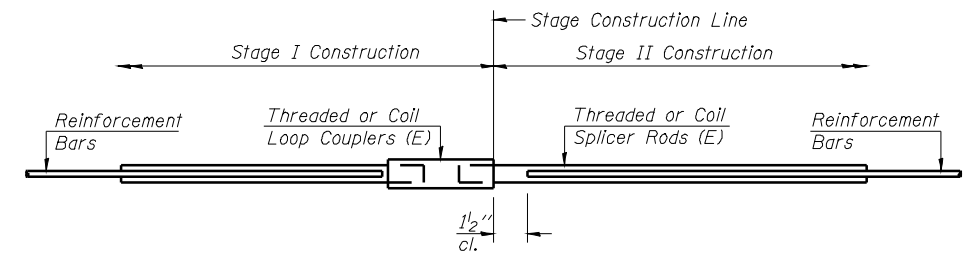
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	



FOR STUB ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	72



STANDARD

Bar Size	No. Assemblies Required	Location
5	438	Deck
4	25	S. Approach
5	88	S. Approach
4	25	N. Approach
5	88	N. Approach
5	10	S. Abutment
6	5	S. Abutment
5	10	N. Abutment
6	5	N. Abutment

**BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO.**

DESIGNED	CMW
CHECKED	JSA
DRAWN	TJW
CHECKED	CMW

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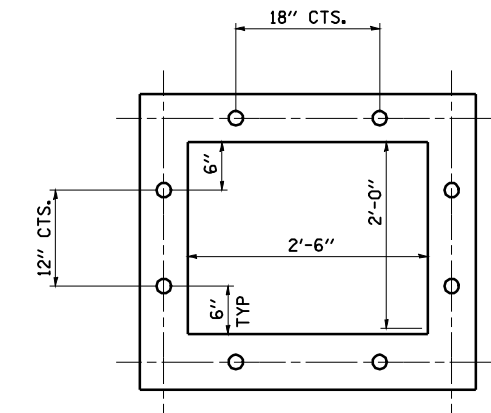
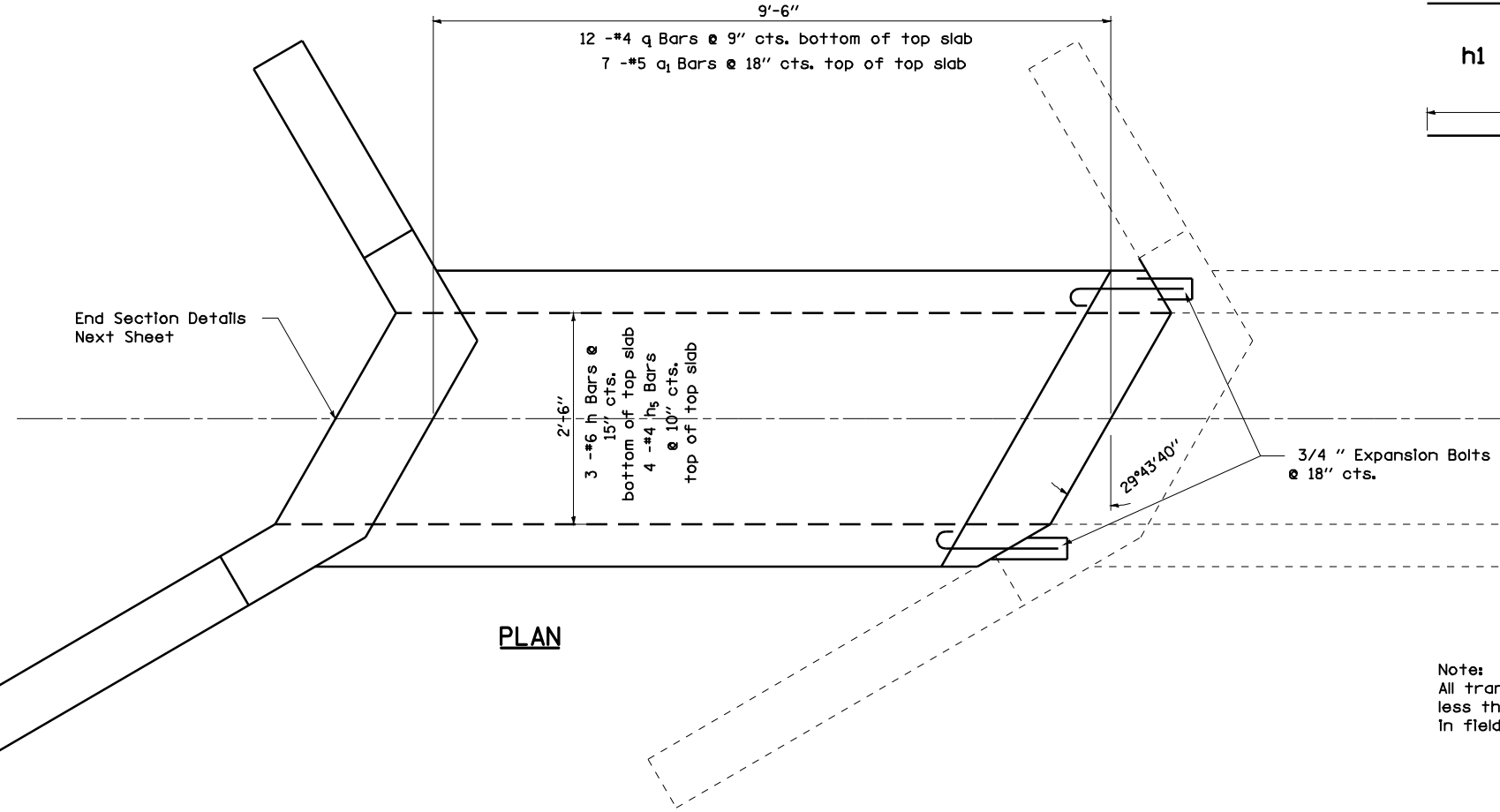
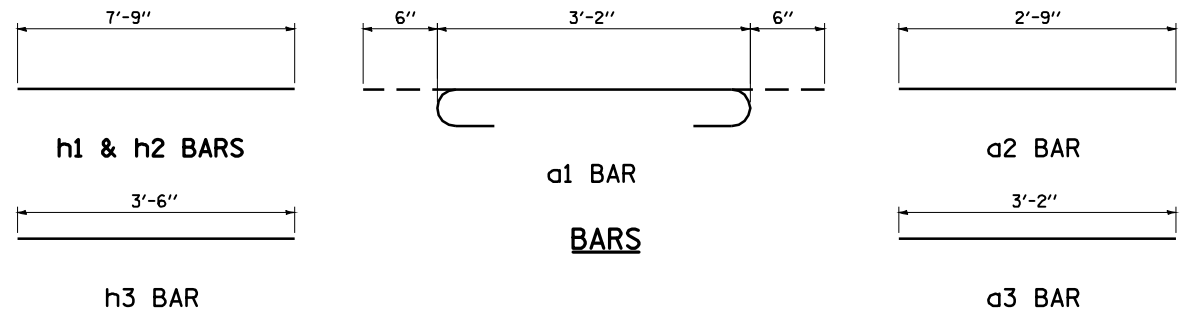
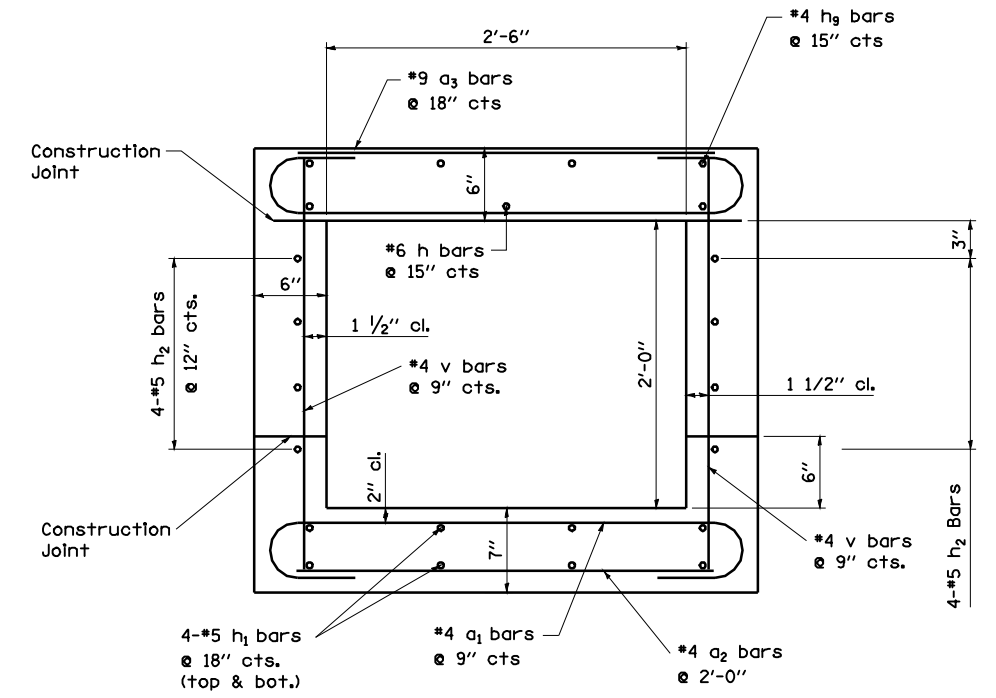
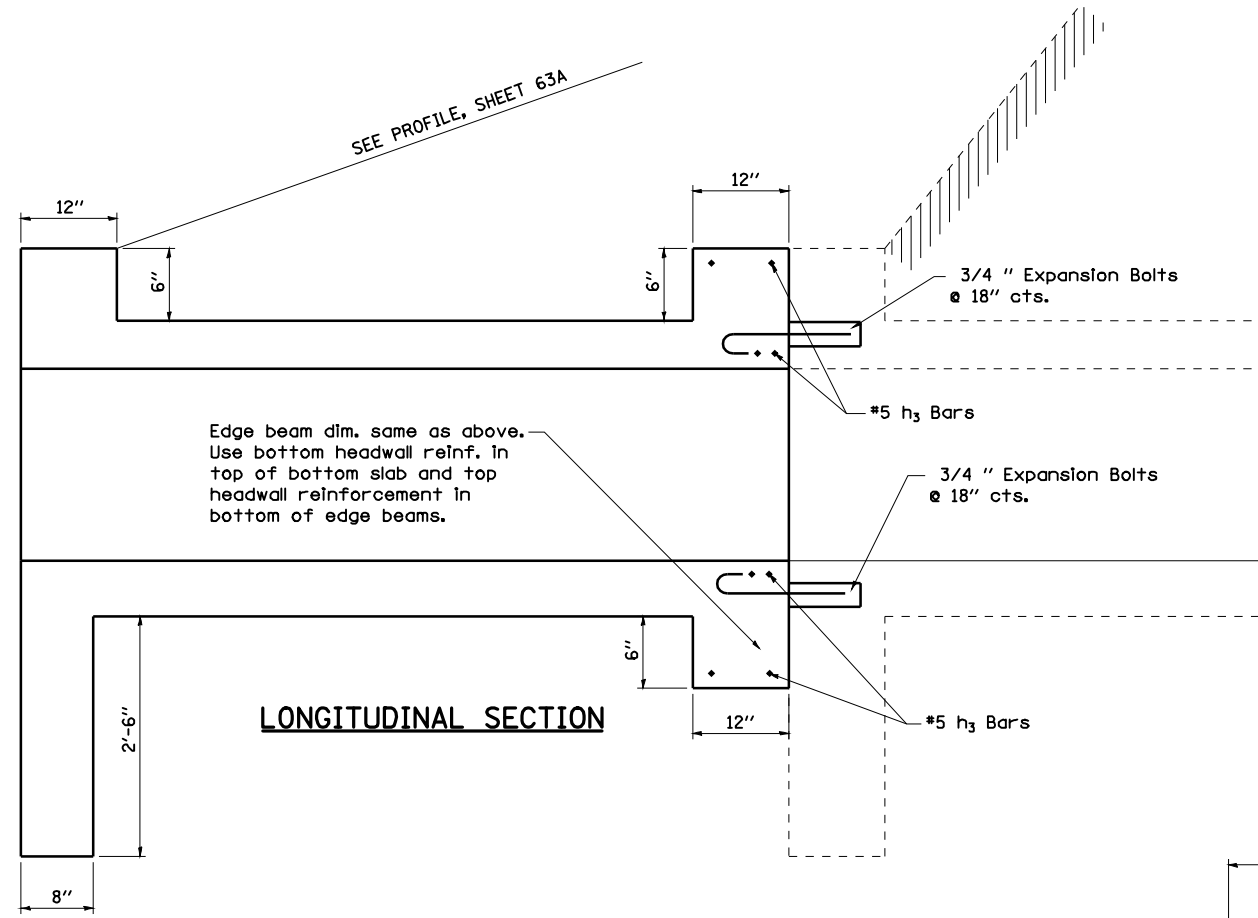
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20 SHEETS			CONTRACT NO. 72B95		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



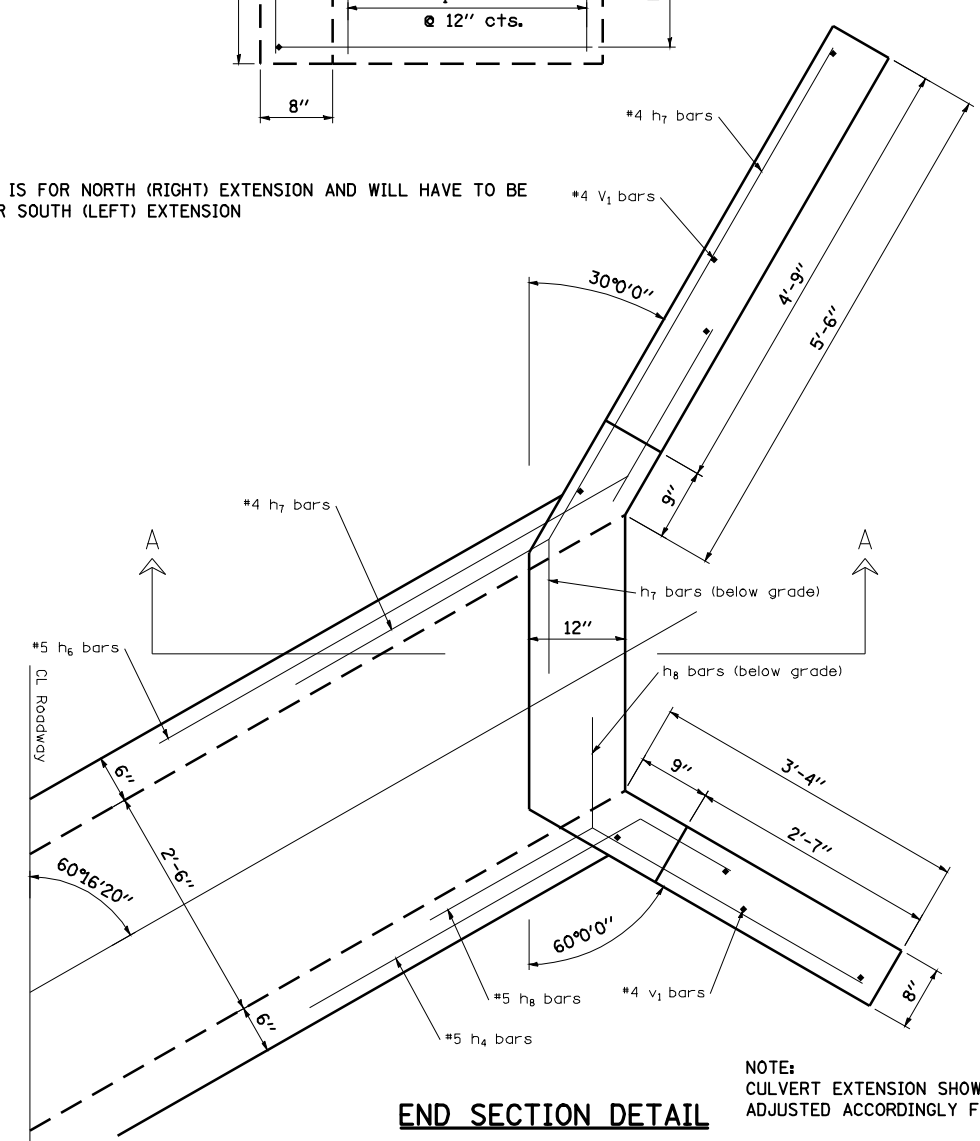
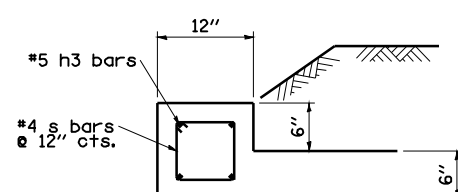
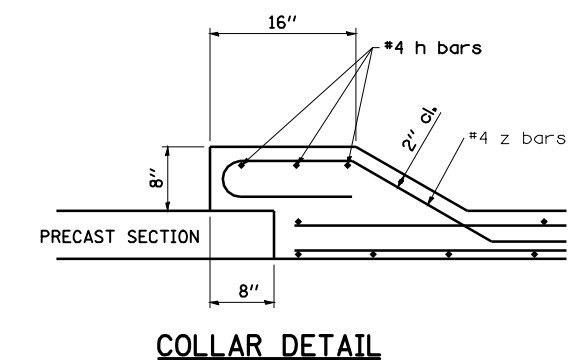
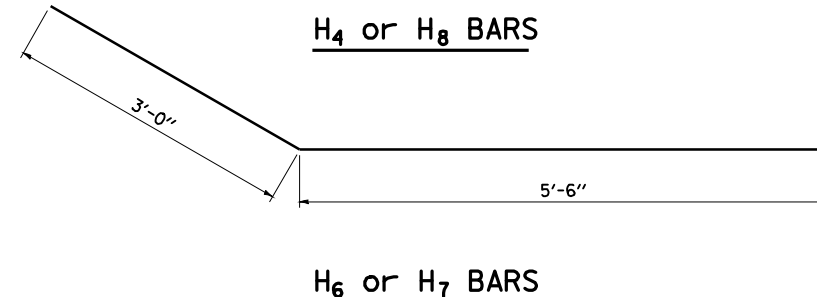
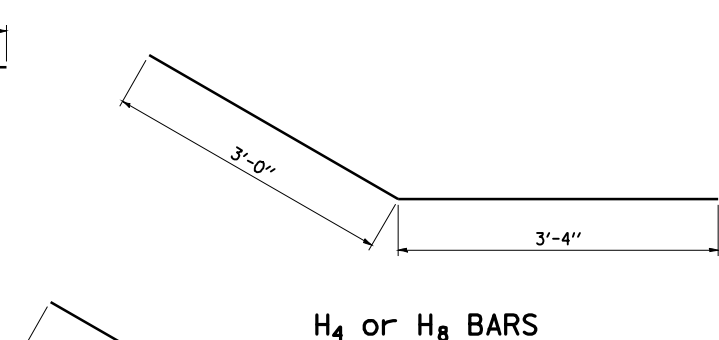
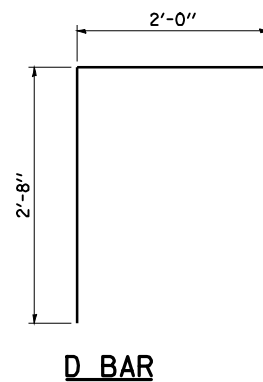
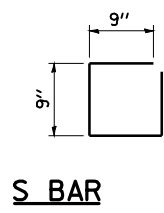
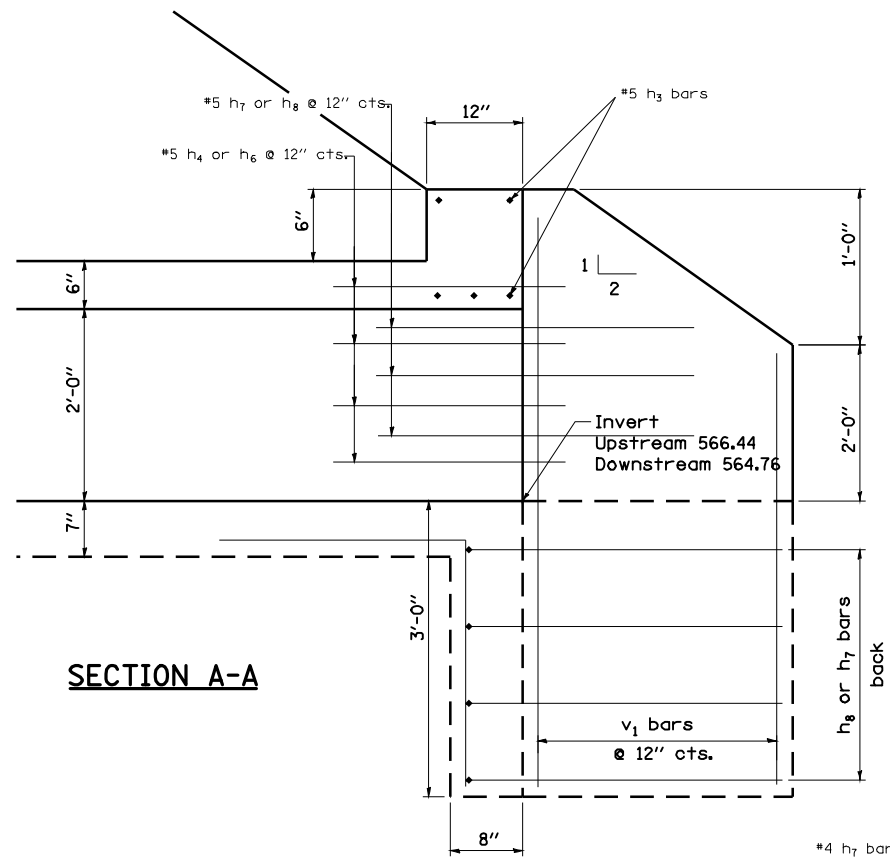
Note:
Expansion bolts shall be 3/4" dia. hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete

Note:
All transverse bars in diagonal areas less than full width shall be trimmed in field to fit (1/2" min. cl.).

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT EXTENSION DETAILS STA. 337 + 27.47				F.A.P. RTE. 310	SECTION (87B)BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 62
c:\pwwork\pwwid001\LAUGHLINRL\0159736\0906008-shr-culvert\details.dgn		DRAWN - RAW	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 72B95			
PLOT SCALE = 2.0000' / IN.		CHECKED - JSA	REVISED -		ILLINOIS FED. AID PROJECT								
PLOT DATE = Sep-01-2009 06:58:24AM		DATE - 08/18/09	REVISED -										

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



NOTE:
CULVERT EXTENSION SHOWN IS FOR NORTH (RIGHT) EXTENSION AND WILL HAVE TO BE ADJUSTED ACCORDINGLY FOR SOUTH (LEFT) EXTENSION

- Notes:
1. No Precast Box Culverts will be allowed.
 2. Contractor shall verify all existing and proposed dimensions prior to ordering material or beginning construction.
 3. All Reinforcement Bars shall have minimum 1 1/2 " edge clearance.

NOTE:
CULVERT EXTENSION SHOWN IS FOR SOUTH (LEFT) EXTENSION AND WILL HAVE TO BE ADJUSTED ACCORDINGLY FOR NORTH (RIGHT) EXTENSION

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
a ₁	48	#4	4'-2"	
a ₂	10	#4	2'-9"	
a ₃	14	#5	3'-2"	
d	8	#5	4'-8"	
h	6	#6	7'-9"	
h ₁	16	#5	7'-9"	
h ₂	16	#5	7'-9"	
h ₃	26	#5	3'-9"	
h ₄	12	#5	6'-4"	
h ₆	12	#5	8'-6"	
h ₇	8	#5	8'-6"	
h ₈	8	#5	6'-4"	
h ₉	8	#4	7'-9"	
S	8	#4	2'-9"	
v	48	#4	2'-9"	
v*	16	#4	5'-9"	
			UNIT	QUANTITY
			Concrete Box Culverts	Cu. Yd. 7.0
			Reinforcement Bars, Epoxy Ctd.	Pound 1284
			Anchor Bolts, 3/4"	Each 16

* Field Trim Where Necessary

FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -
c:\pwork\pwwdot\LAUGHLINR1\d0159736\d9026008-sht-culvert-details.dgn		DRAWN - RAW	REVISED -
PLOT SCALE = 2.0000' / IN.		CHECKED - JSA	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

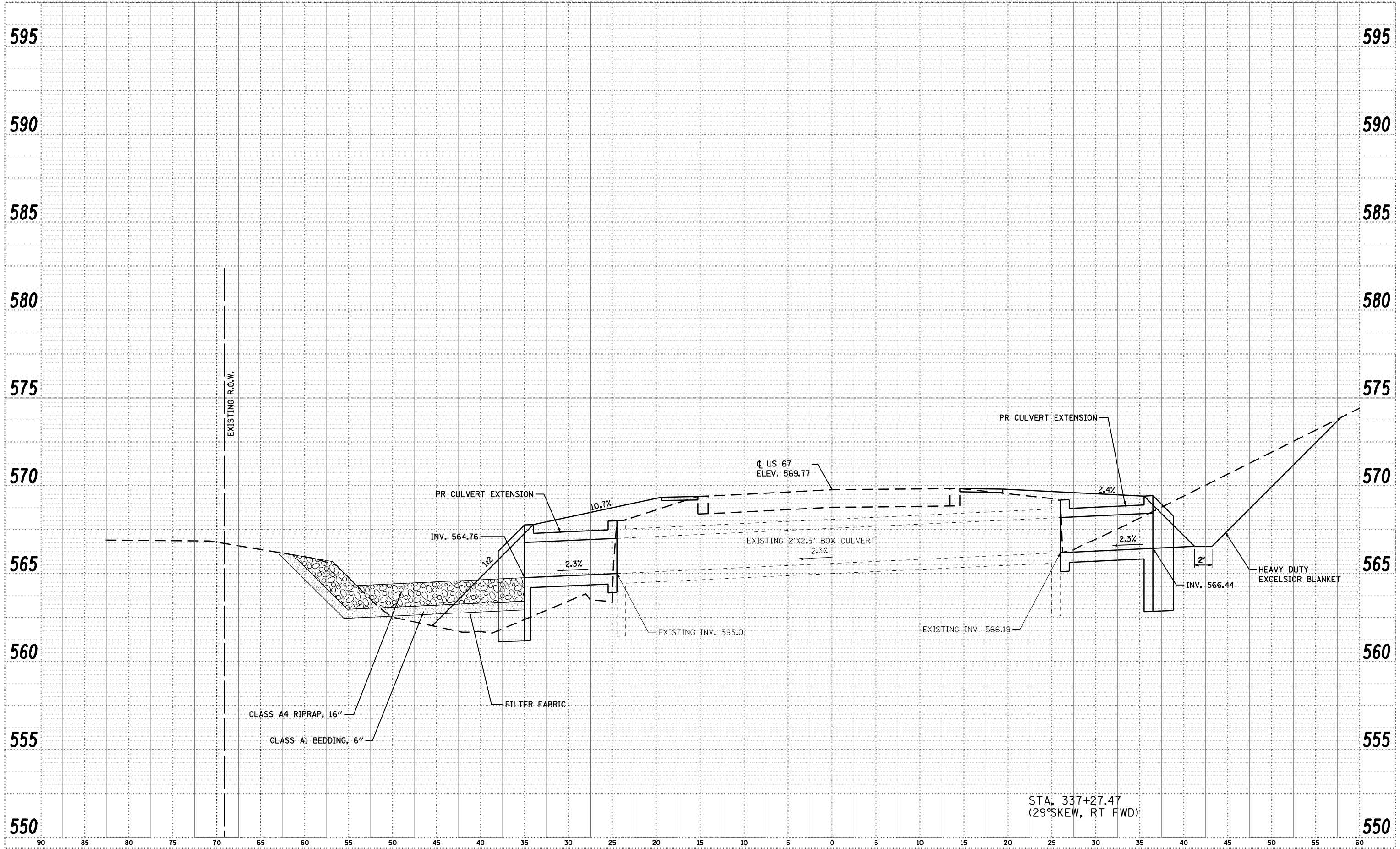
**CULVERT EXTENSION DETAILS
STA. 337 + 27.47**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	63
CONTRACT NO. 72B95				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHKD		



STA. 337+27.47
(29°SKEW, RT FWD)

NOTE: CONTRACTOR TO GRADE 2' FLAT BOTTOM DITCH AT DIRECTION OF ENGINEER

FILE NAME =	USER NAME = laughlinr1	DESIGNED - E.R.O.	REVISED -
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PLOT SCALE = 10.0000' / IN.		CHECKED - J.S.A.	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

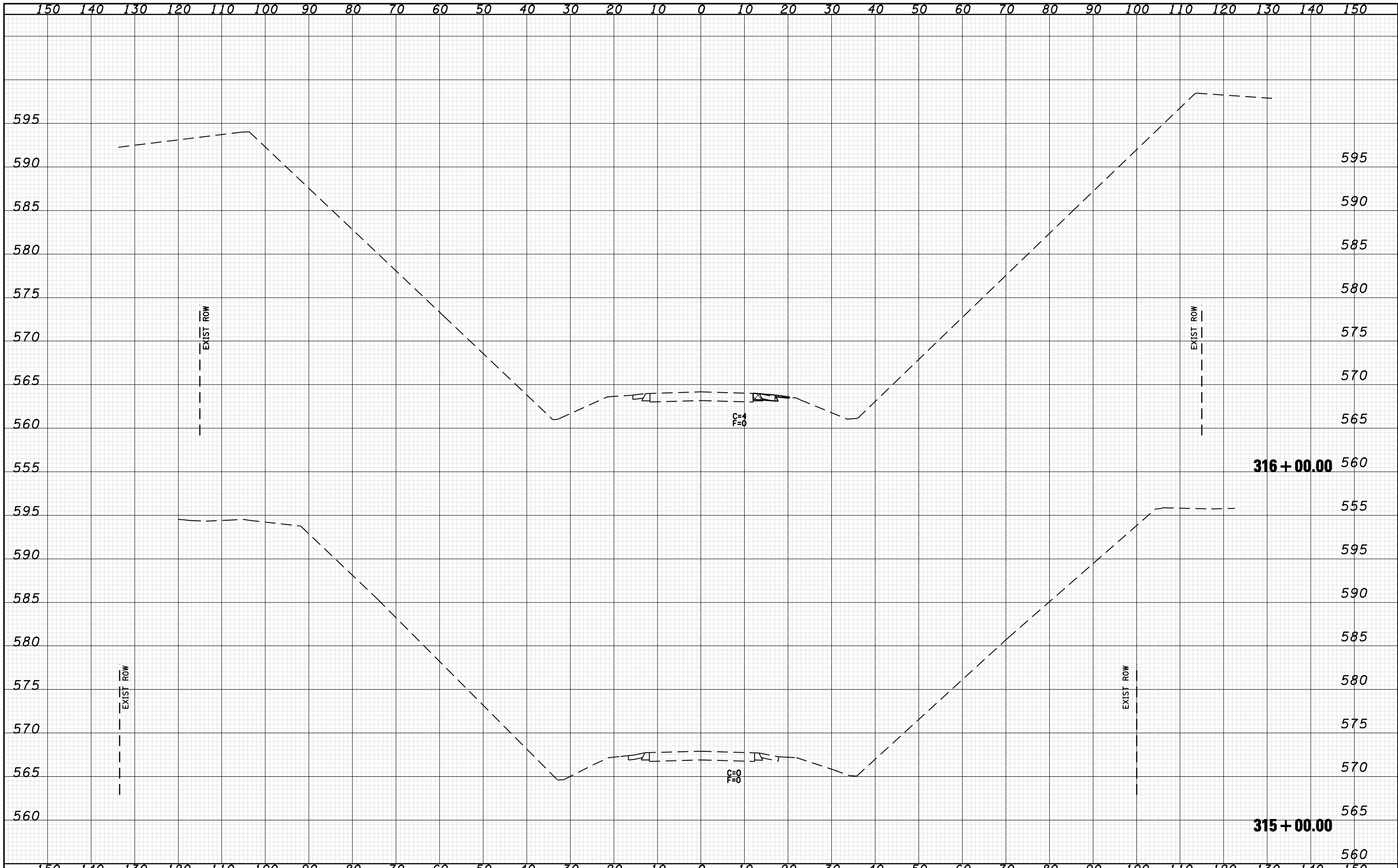
**CULVERT PROFILE SHEET
STA. 337+27.47**

F.A.P. RTE. 310	SECTION (87B)BR	COUNTY SCHUYLER	TOTAL SHEETS 80	SHEET NO. 63A
				CONTRACT NO. 72B95
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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

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



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	DRAWN - RAW	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED - JSA	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

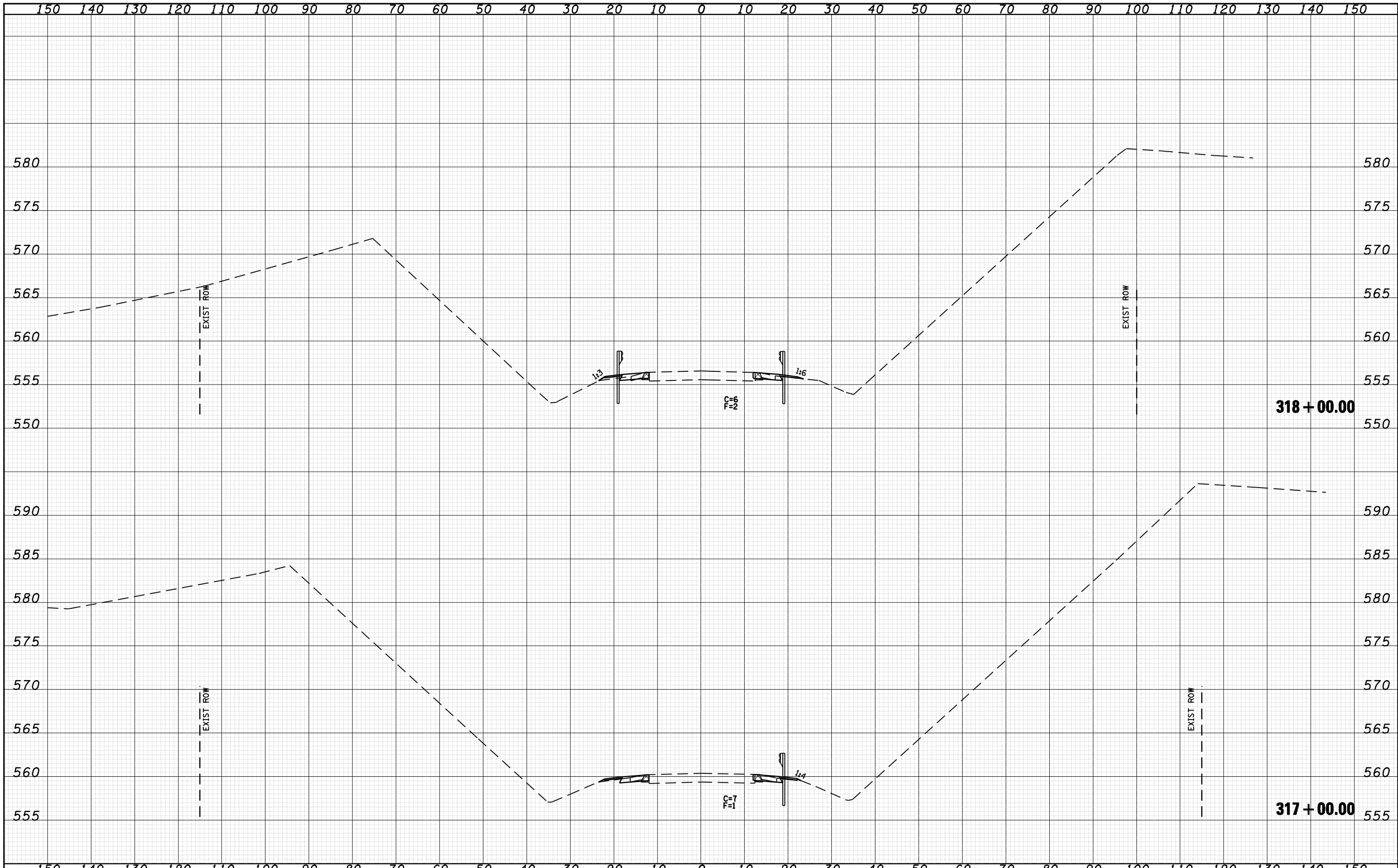
CROSS SECTIONS

SCALE: 1:10H 1:5V SHEET NO. 16 OF 32 SHEETS STA. 314+00.00 TO STA. 316+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	64
CONTRACT NO. 72B95				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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USER NAME = laughlinr1
 DESIGNED - ERO
 DRAWN - RAW
 CHECKED - JSA
 DATE - 01/30/09

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

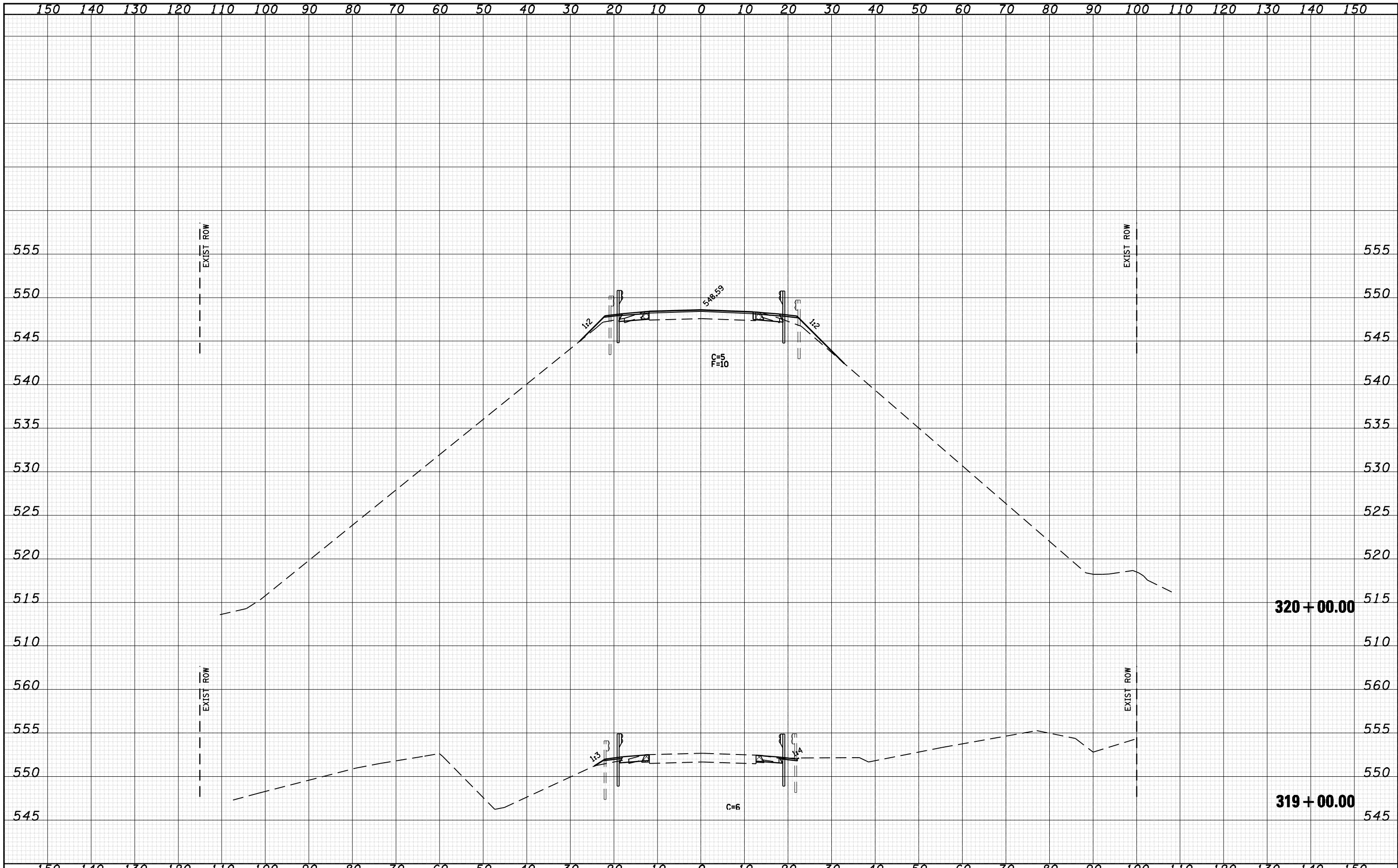
CROSS SECTIONS

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(87B)BR	SCHUYLER	80	65
CONTRACT NO. 72B95			ILLINOIS FED. AID PROJECT	

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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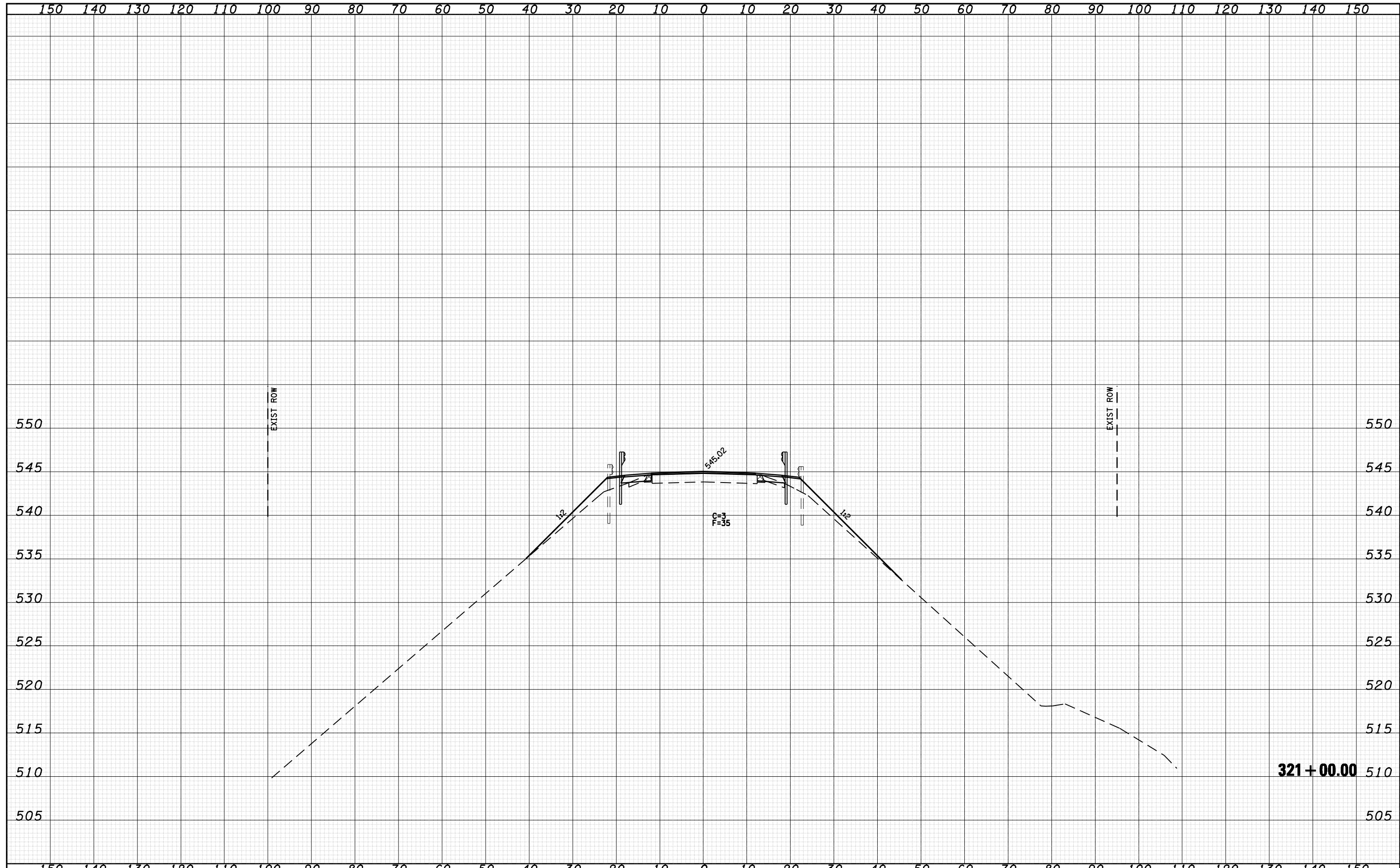
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		SCALE: 1:10H 1:5V				SHEET NO. 18 OF 32 SHEETS		STA. 319+00.00 TO STA. 320+00.00	CONTRACT NO. 72B95	
PLOT DATE = Aug-26-2009 07:29:26AM		DATE - 01/30/09	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

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

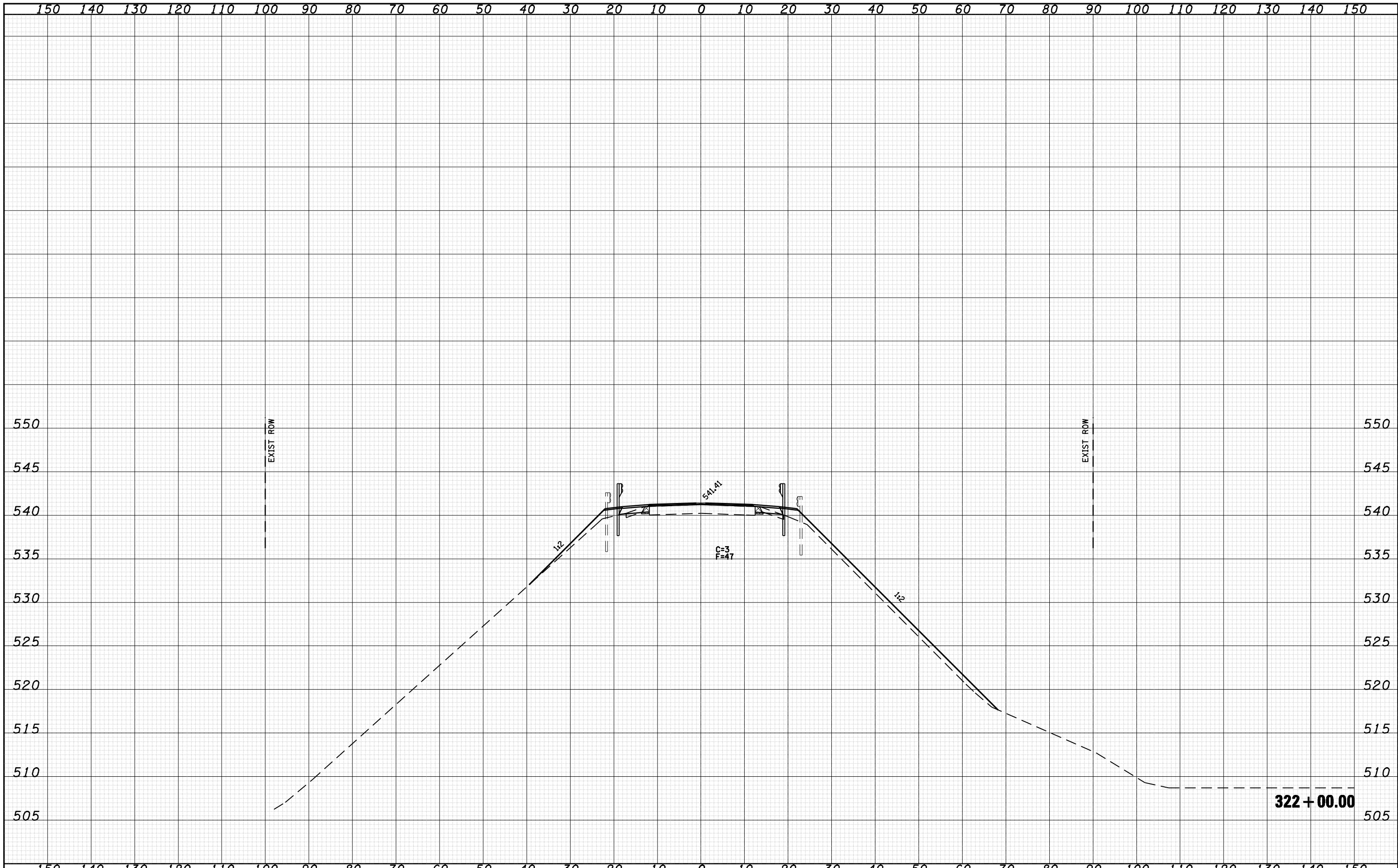
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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o:\pwork\pwidot\LAUGHLINRL\d0159736\09606008-aht-xasht-ex67.dgn	DRAWN - RAW	REVISIED -			310	(87)BR	SCHUYLER	80	67				
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PLOT DATE = Aug-26-2009 07:29:29AM	DATE - 01/30/09	REVISIED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT							
				SCALE: 1:10H 1:5V	SHEET NO. 19 OF 32 SHEETS	STA. 321+00.00	TO STA. 321+00.00						

DATE	
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PLOTTED	
TEMPLATE	
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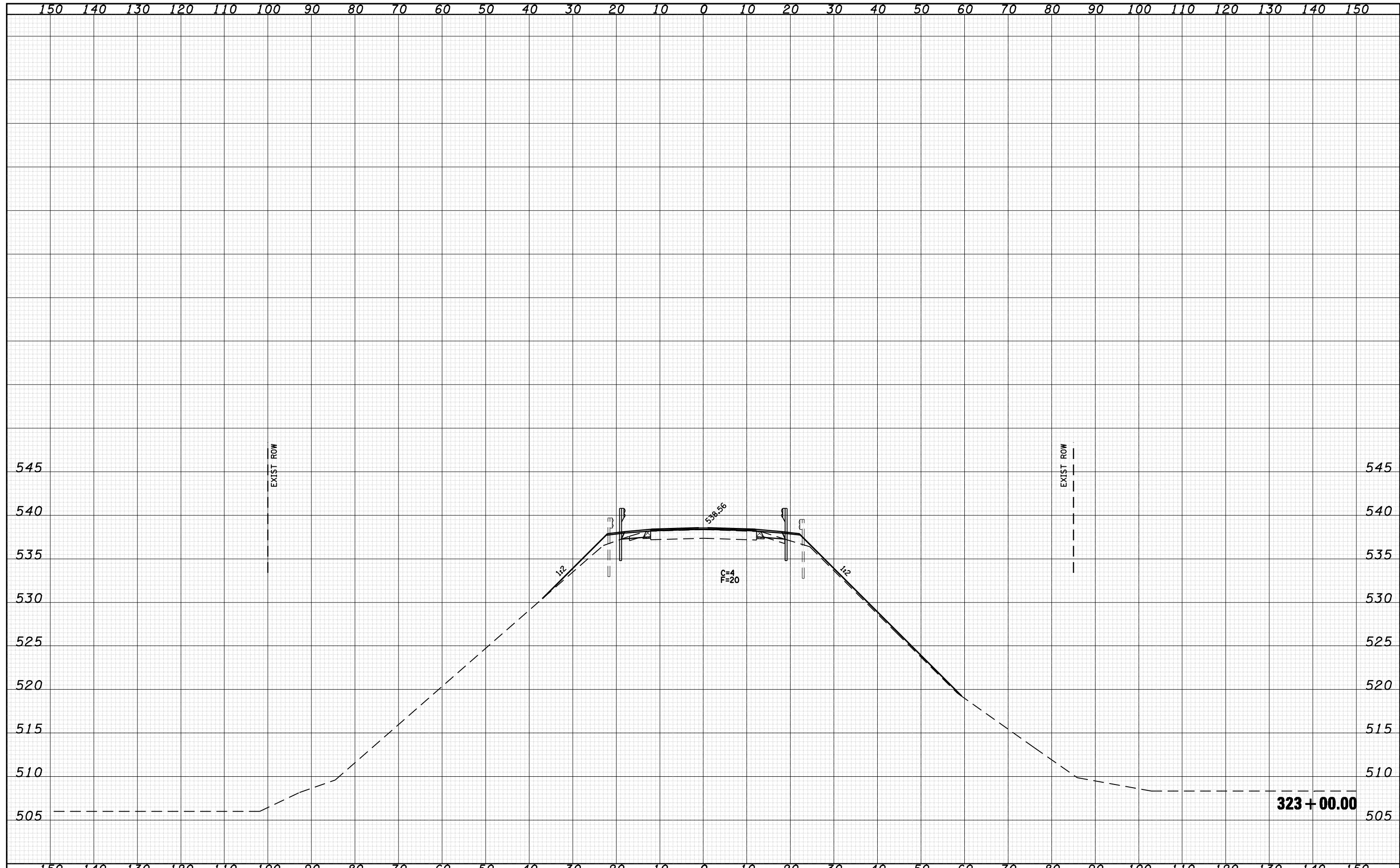
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ORIGINAL SURVEY NOTE BOOK NO.	



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				SCALE: 1:10H 1:5V	SHEET NO. 20 OF 32 SHEETS	STA. 322+00.00 TO STA. 322+00.00							

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

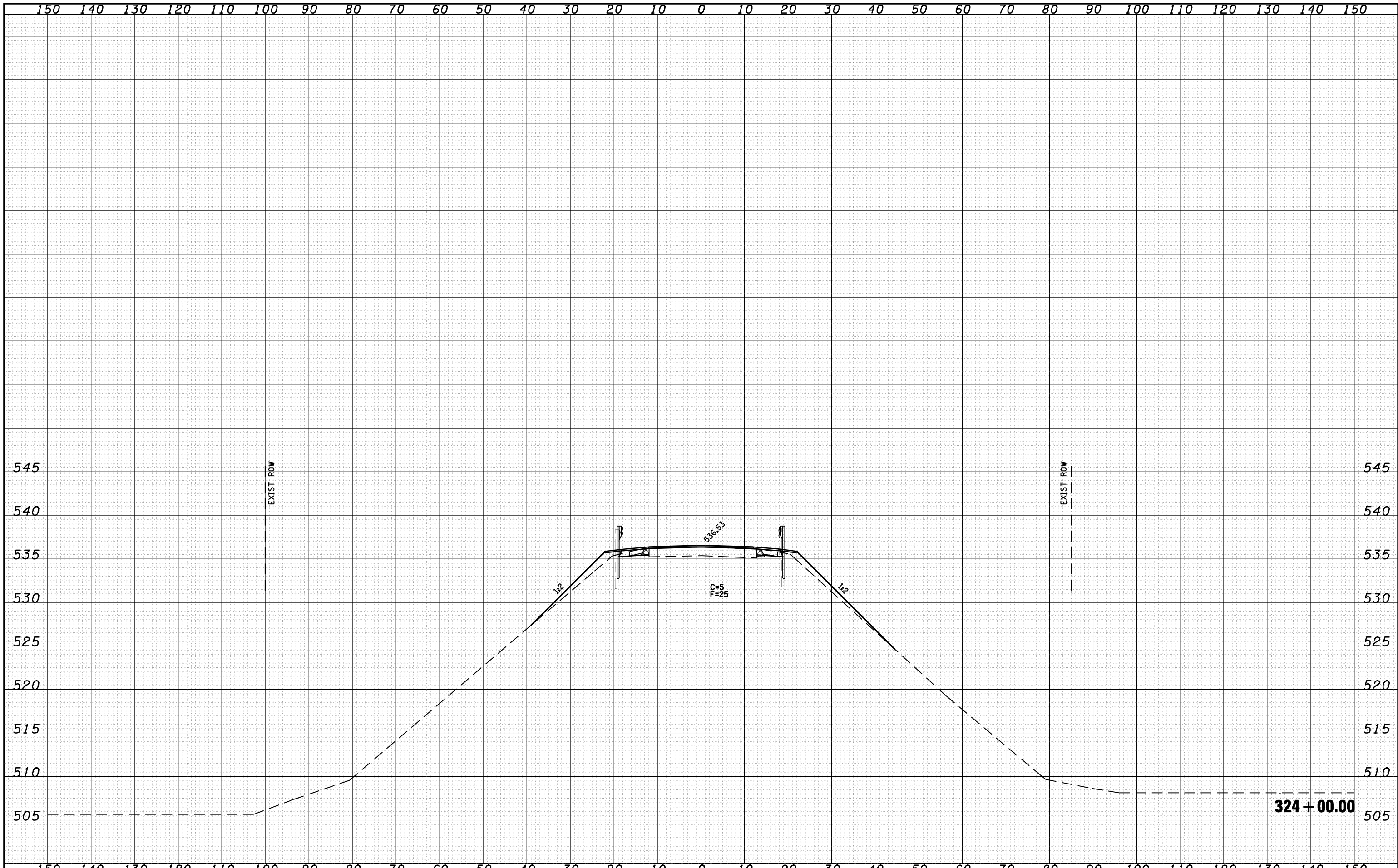
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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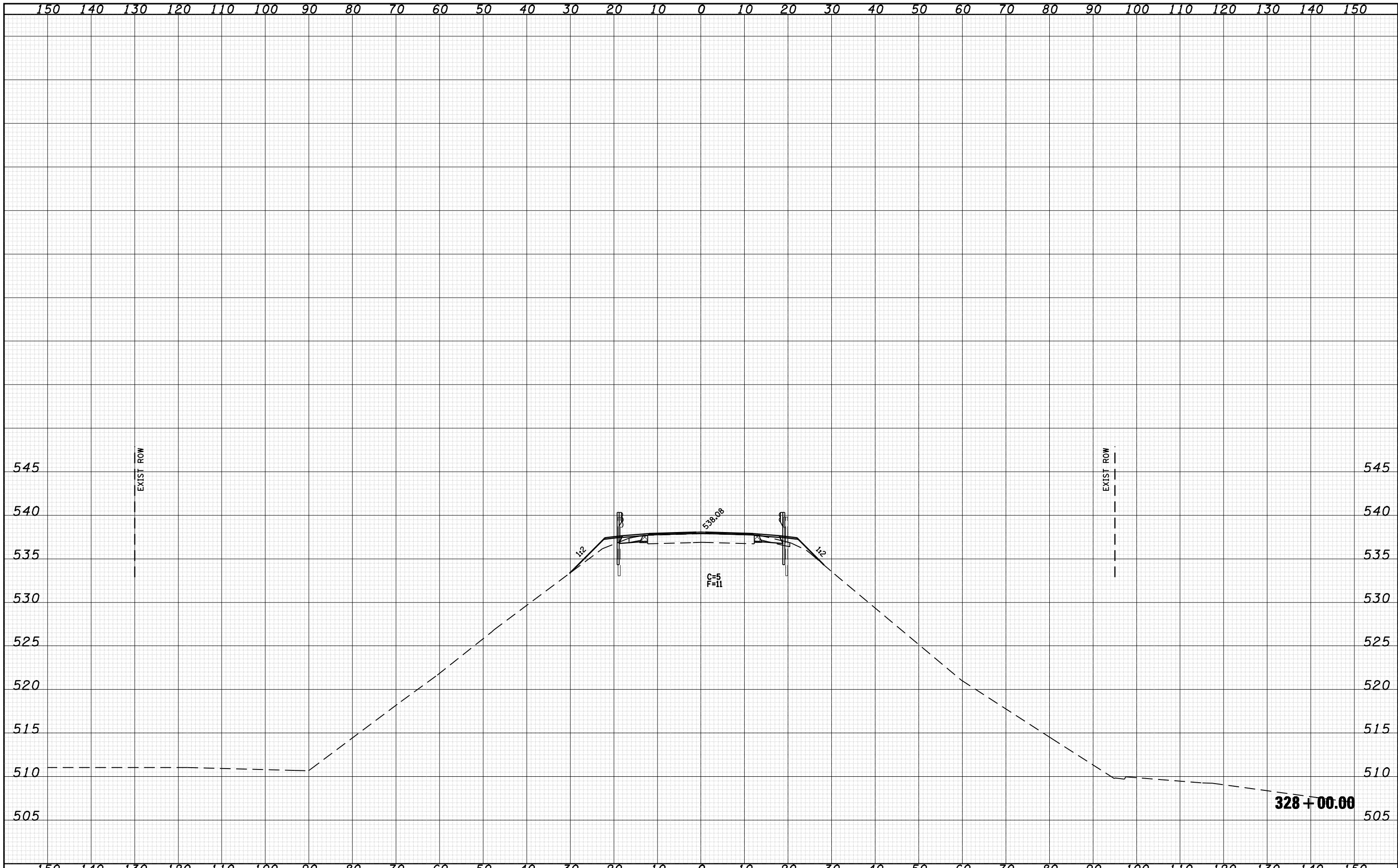
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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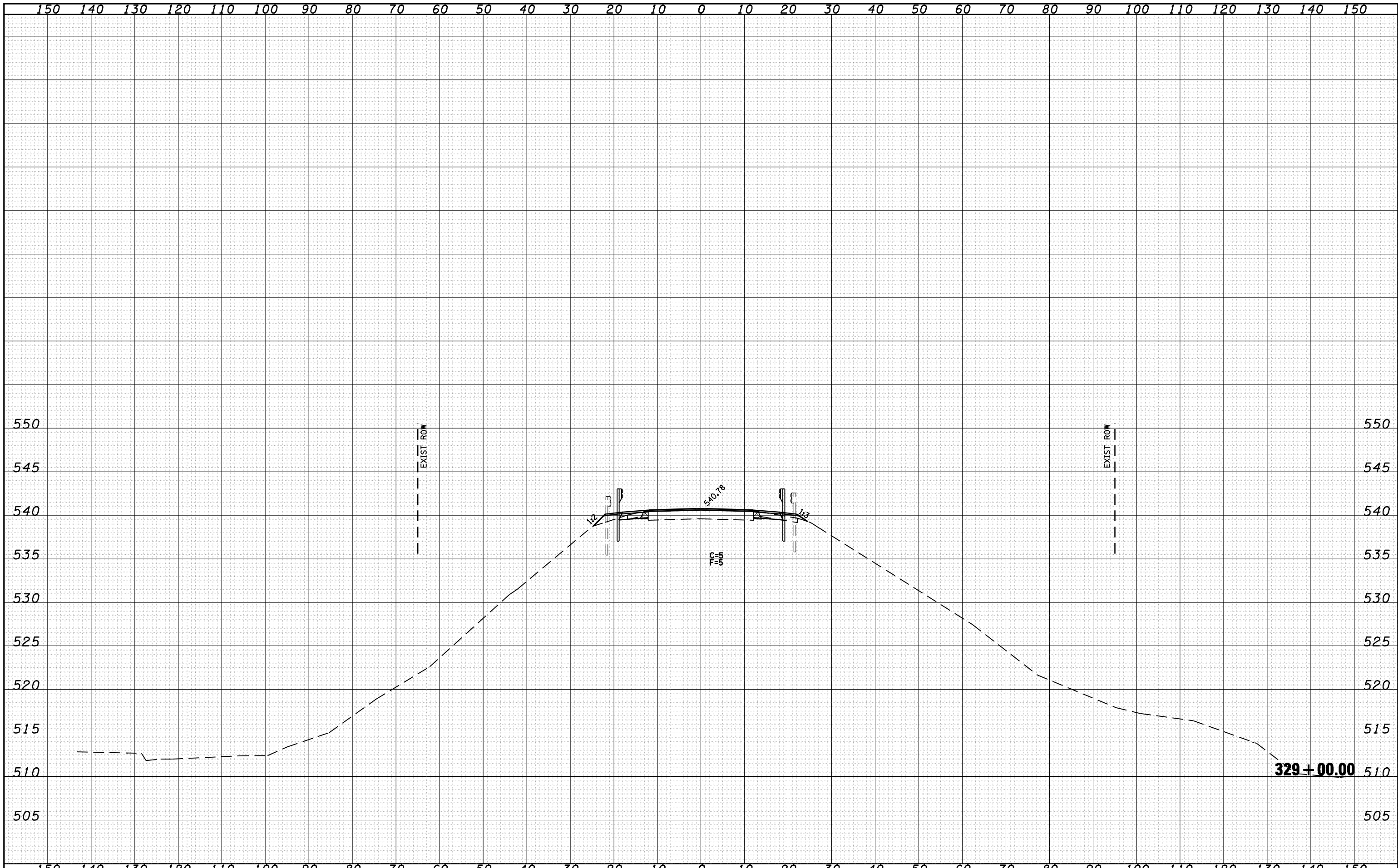
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NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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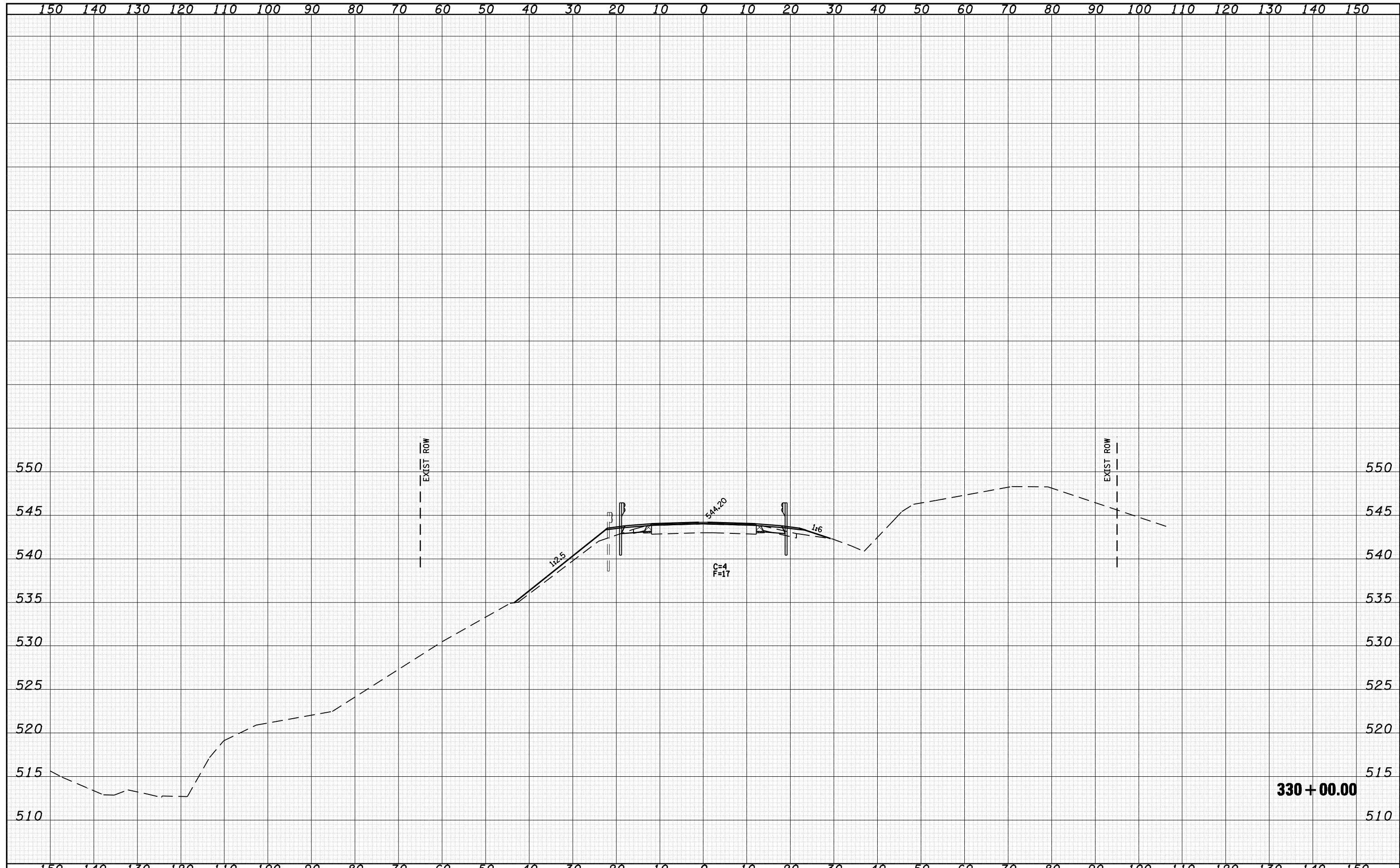
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NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	o:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	DRAWN - RAW	REVISED -		310	(87B)BR	SCHUYLER	80	72				
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DATE	
BY	
SURVEYED	
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TEMPLATE	
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NOTE BOOK	
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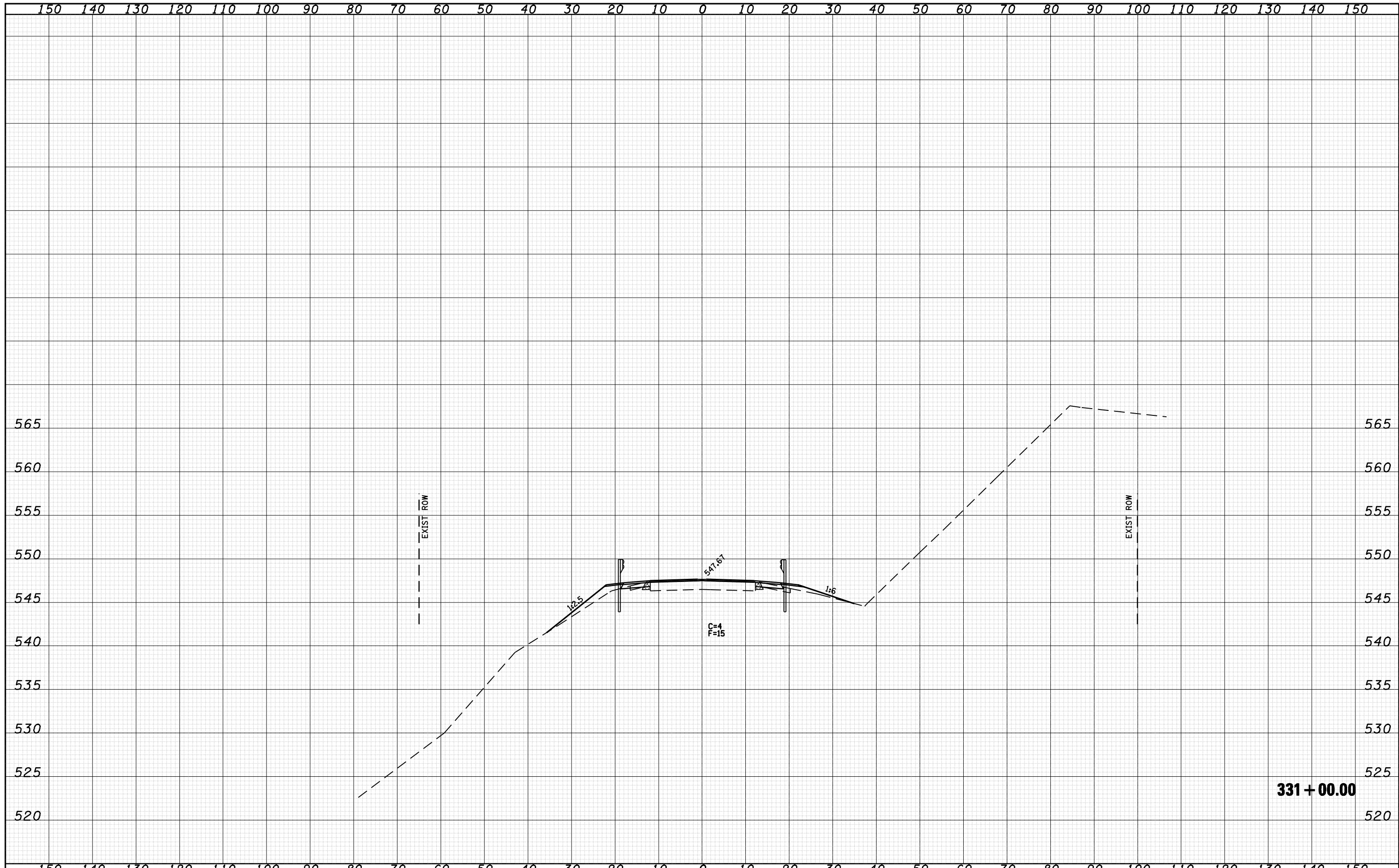
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NOTE BOOK	
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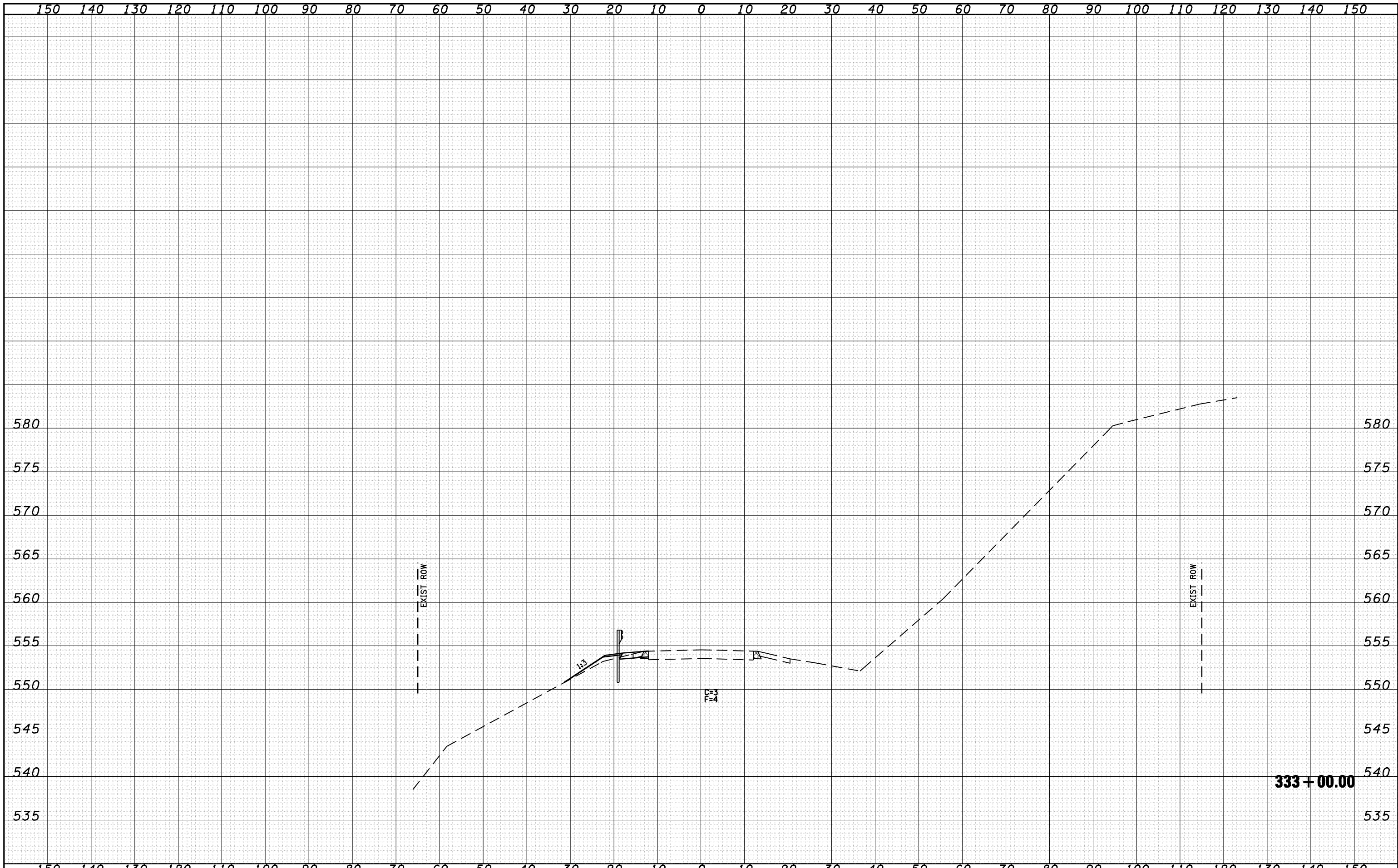
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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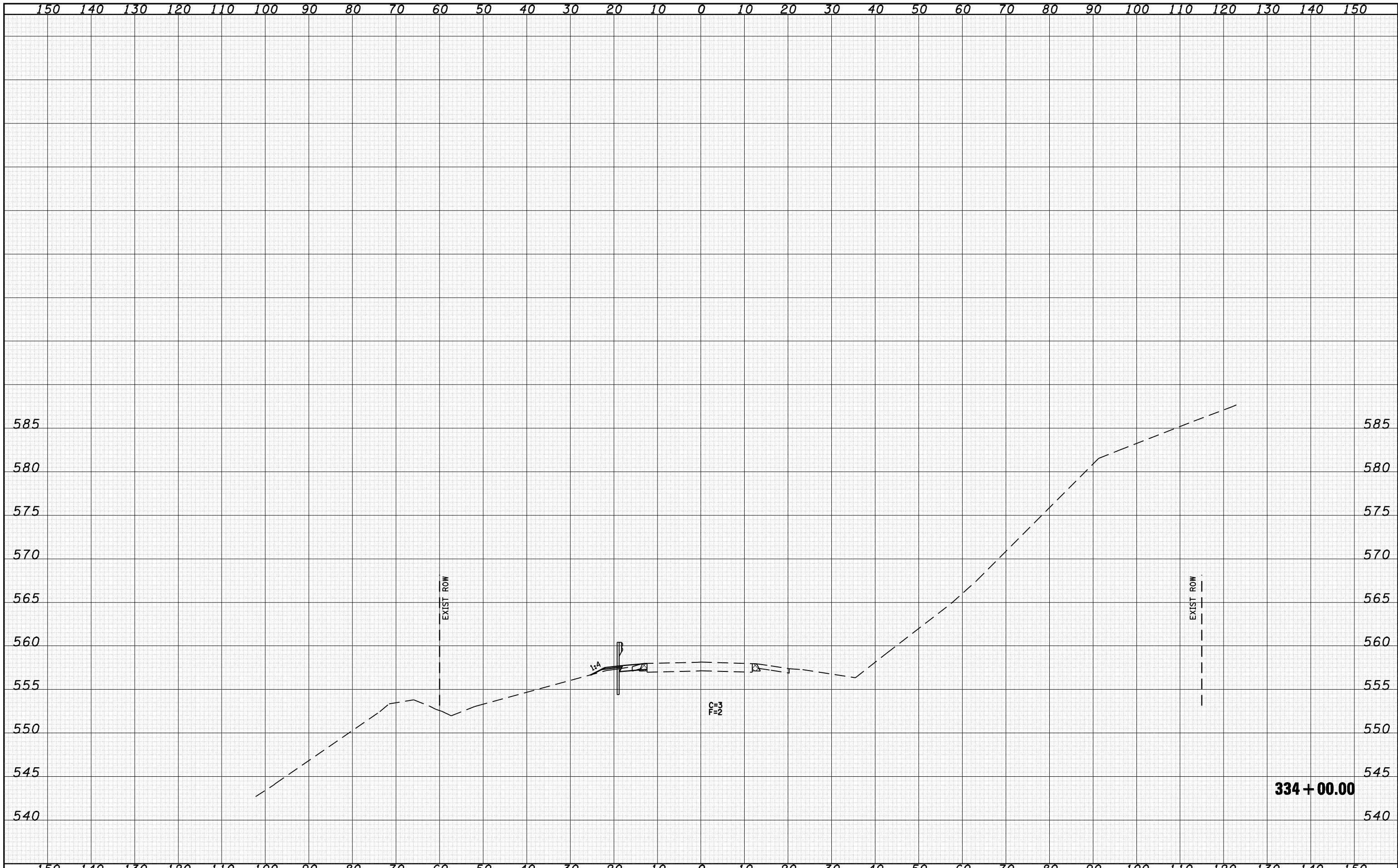
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NOTE BOOK	PLOTTED
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		SCALE: 1:10H 1:5V				SHEET NO. 28 OF 32 SHEETS		STA. 333+00.00 TO STA. 333+00.00	CONTRACT NO. 72B95	
PLOT DATE = Aug-26-2009 07:30:02AM		DATE - 01/30/09	REVISED -						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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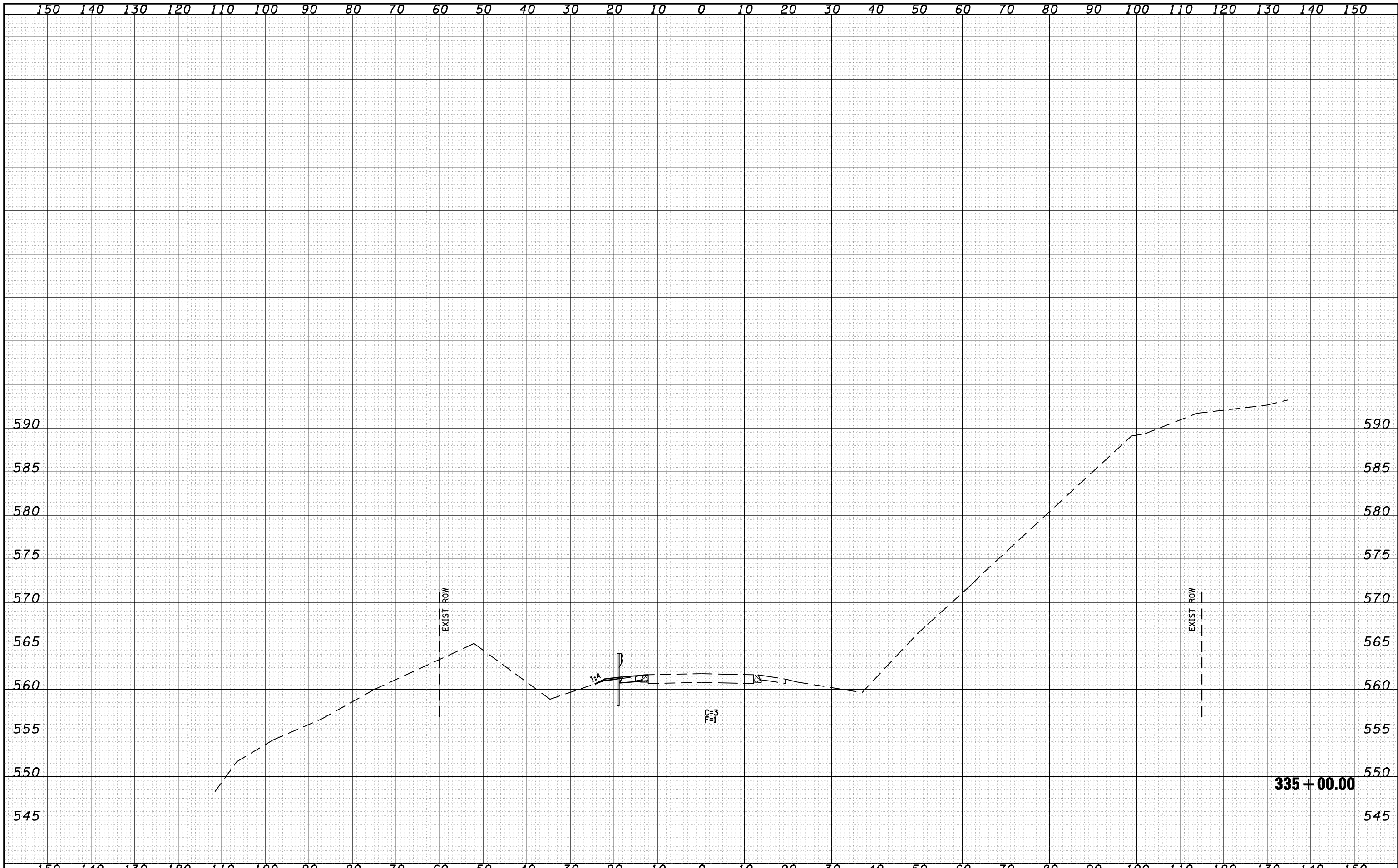
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NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000-1\shht-xshht-ex67.dgn		DRAWN - RAW	REVISED -		310	(87B)BR	SCHUYLER	80	77			
PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		SCALE: 1:10H 1:5V			SHEET NO. 29 OF 32 SHEETS		STA. 334+00.00 TO STA. 334+00.00	CONTRACT NO. 72B95	
PLOT DATE = Aug-26-2009 07:30:06AM		DATE - 01/30/09	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

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

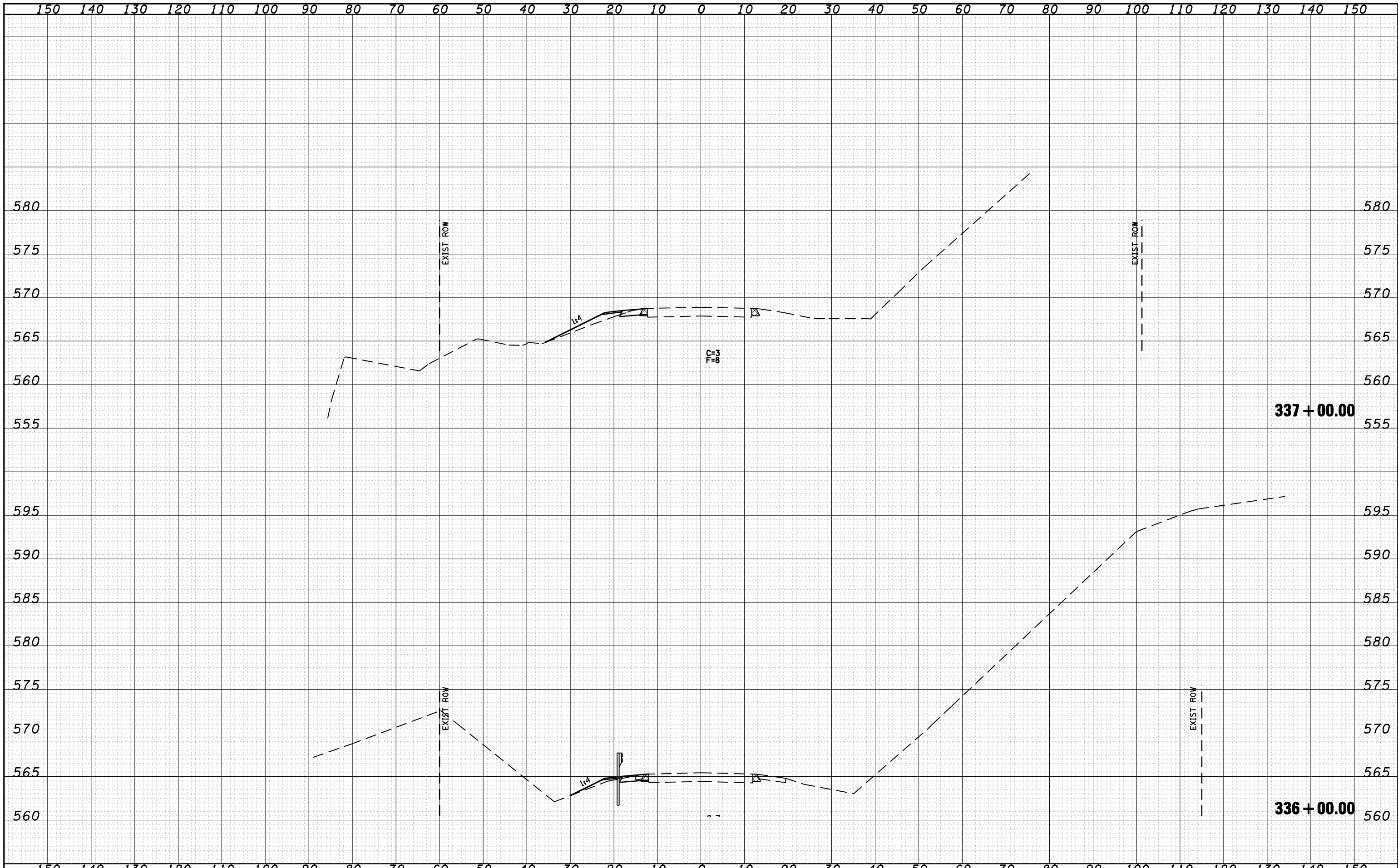
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	o:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	DRAWN - RAW	REVISED -		310	(87B)BR	SCHUYLER	80	78			
PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		SCALE: 1:10H 1:5V			SHEET NO. 30 OF 32 SHEETS		STA. 335+00.00 TO STA. 335+00.00	CONTRACT NO. 72B95	
PLOT DATE = Aug-26-2009 07:30:09AM		DATE - 01/30/09	REVISED -		FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT				

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

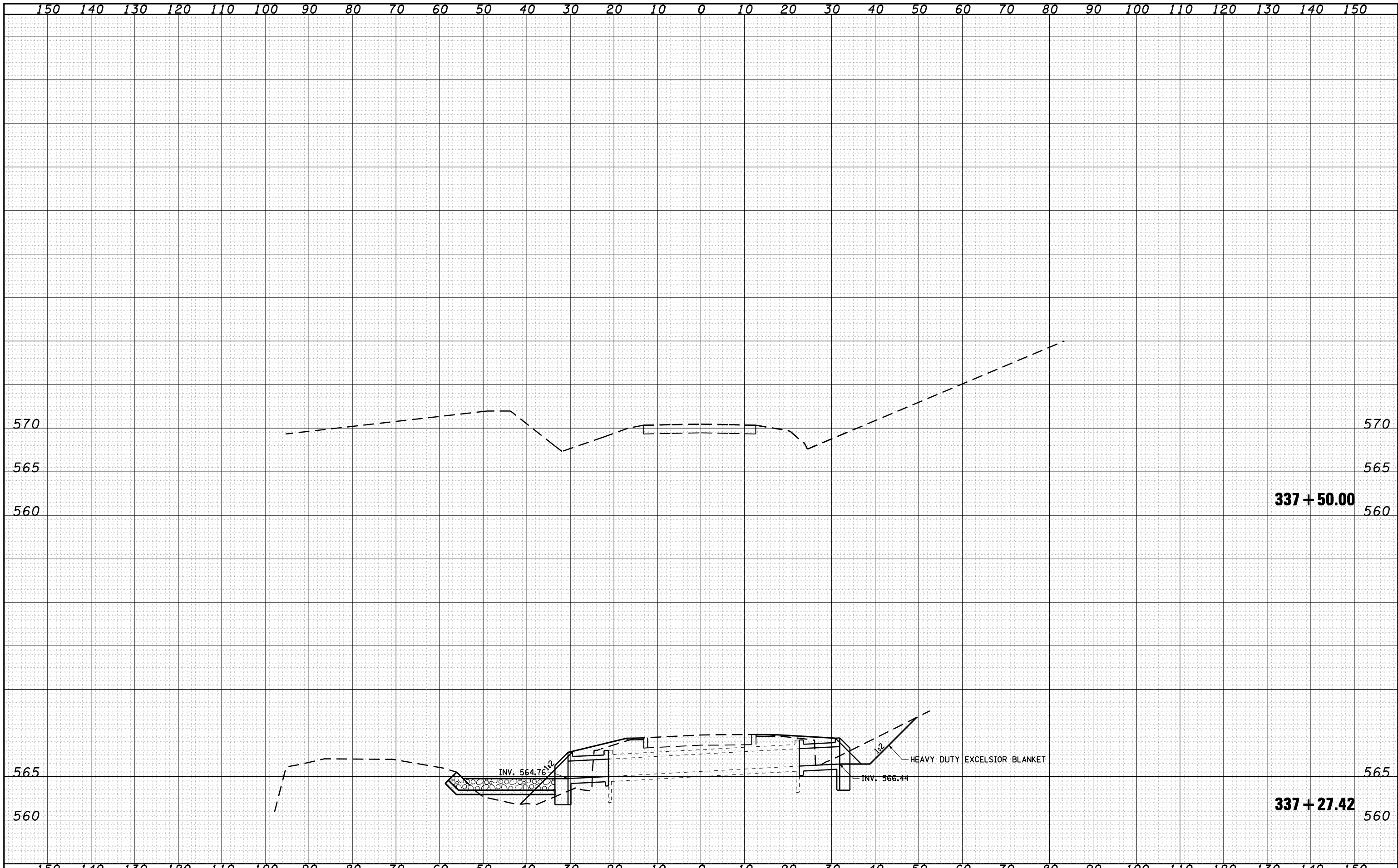
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwidot\LAUGHLINRL\d0159736\09606000	o:\pwwork\pwidot\LAUGHLINRL\d0159736\09606000	DRAWN - RAW	REVISED -		310	(87B)BR	SCHUYLER	80	79			
PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		CONTRACT NO. 72B95							
PLOT DATE = Sep-01-2009 06:58:31AM		DATE - 01/30/09	REVISED -		SCALE: 1:10H 1:5V	SHEET NO. 31 OF 32 SHEETS	STA. 336+00.00 TO STA. 337+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME =	USER NAME = laughlinr1	DESIGNED - ERO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	o:\pwork\PWIDOT\LAUGHLINRL\d0159736\09606000	DRAWN - RAW	REVISED -		310	(87B)BR	SCHUYLER	80	80				
PLOT SCALE = 20.0000' / IN.		CHECKED - JSA	REVISED -		CONTRACT NO. 72B95								
PLOT DATE = Sep-01-2009 02:19:34PM		DATE - 01/30/09	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE: 1:10H 1:5V	SHEET NO. 32 OF 32 SHEETS	STA. 337+27.42	TO STA. 337+27.42						