

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	1

1/45

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED BRIDGE DECK REPLACEMENT PLANS

FAP ROUTE 685 (IL 9 /IL 94) OVER CAMP CREEK
SECTION 115 BR-1
PROJECT: BHF-0685(024)
HANCOCK COUNTY
C-96-540-07

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LDDP PLACEMENT DETAIL

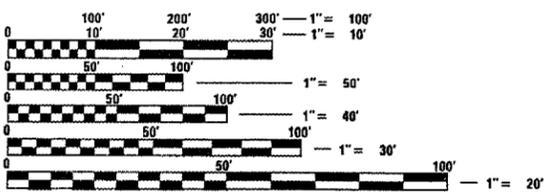
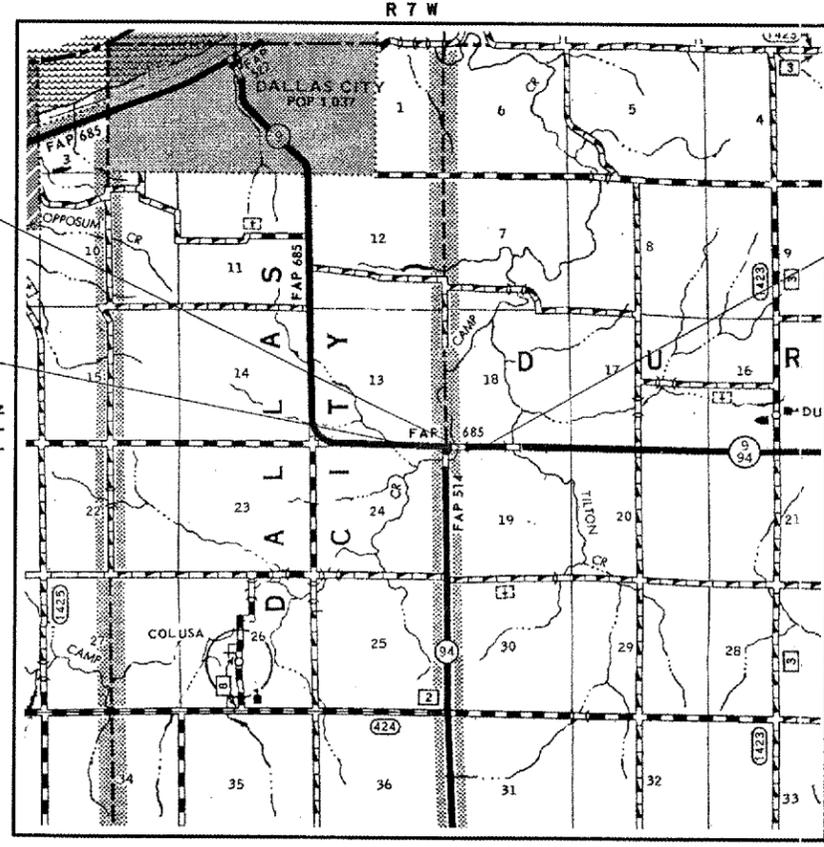
D-96-518-07



PROPOSED STRUCTURE NO. 034-0061
PPC DECK BEAM REPLACEMENT
1 SPAN @ 30'-1 1/2", 1 SPAN @ 28'-8" & 1 SPAN @ 30'-3 1/2"
@ STA 607+43.00, 10° SKEW LT AH

SECTION 115(BR-1)
BEGINS
STATION 601+00.00

SECTION 115(BR-1)
ENDS
STATION 611+20.00



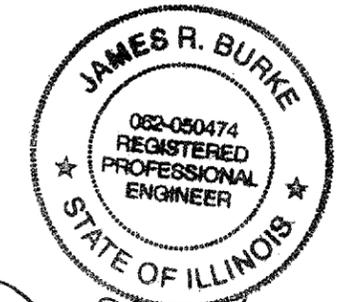
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DESIGN DESIGNATION
ILLINOIS ROUTE 9
MINOR ARTERIAL (NON-URBAN)
ADT = 1300 (2027)
% SU = 6
% MU = 3

0 1 2 MILES
APPROXIMATE SCALE 1" = 0.67 MILES

TOTAL LENGTH OF PROJECT = 1,020.00 FEET = 0.193 MILES
NET LENGTH OF PROJECT = 1,020.00 FEET = 0.193 MILES



James R. Burke 6/27/07
Exp 11/30/07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug 9, 2007
Christina Peral
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 17, 2007
Eric E. Harrel
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

August 17, 2007
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

Hutchison Engineering, Inc.
JACKSONVILLE
SHOREWOOD
SINCE 1946

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

CONTRACT NO. 72A90

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	1151(R-1)	HANCOCK	44	2
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

- ALL ELEVATIONS REFER TO NAVD88 DATUM.
- 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 WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL DISTURBED UNSURFACED AREAS WITHIN THE ROW AND EASEMENTS SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS, SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
- FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET.
- DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- ALL TREES, BRUSH AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TREES ALONG THE EDGE OF RIGHT OF WAY, OUTSIDE THE CONSTRUCTION LIMITS SHALL BE SAVED IF, IN THE OPINION OF THE ENGINEER, THEY DO NOT INTERFERE WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- IN ACCORDANCE WITH STATE OF ILLINOIS P.A. 86-0674, THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION.

- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- AN ASPHALT PRIME SHALL BE REQUIRED FOR THE PRIMING OF THE MAINLINE PAVEMENT TO BE RESURFACED. THE AREA PRIMED SHALL BE LIMITED TO THAT WHICH WILL BE COVERED WITH BITUMINOUS CONCRETE THAT SAME DAY.
- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES :

AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TON/CUBIC YARD
STONE DUMPED RIPRAP	1.75 TON/CUBIC YARD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GALLONS/SQUARE YARD (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.50 GALLONS/SQUARE YARD (ON AGGREGATE)
AGGREGATE (PRIME COAT)	0.002 TON/SQUARE YARD
HOT-MIX ASPHALT SURFACE/BINDER (112 LBS)	0.056 TON/SQUARE YARD*INCH
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGRICULTURE GROUND LIMESTONE	2 TON/ACRE
MULCH	2 TON/ACRE

15. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	HMA BASE CSE / WIDENING	FLEXIBLE CONNECTOR BINDER	FLEXIBLE CONNECTOR SURFACE	HMA SURFACE COURSE	HMA SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50	2.0% @ N DESIGN=30
MIX COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-19.0	IL-9.5 OR 12.5	IL-9.5 (OR 12.5	BAM
FRICITION AGGREGATE	N/A	N/A	MIX "C"	MIX "C"	N/A

STANDARDS

- 000001-04
 - 280001-03
 - 420001-06
 - 420401-05
 - 515001-02
 - 606001-03
 - 606301-03
 - 630001-07
 - 630301-04
 - 631032-03
 - 635006-02
 - 635011-01
 - 701001-01
 - 701006-02
 - 701011-01
 - 701201-02
 - 701301-02
 - 701306-01
 - 701311-02
 - 701321-08
 - 701326-02
 - 702001-06
 - 704001-03
 - 780001-01
 - 781001-02
- 886 001
886 006

LEGEND

-  PAVEMENT REMOVAL
-  HMA SURFACE REMOVAL-BUTT JOINT
-  TO BE REMOVED
- S-1 TRAFFIC CONTROL STAGE NUMBER

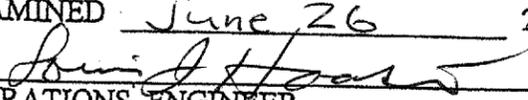
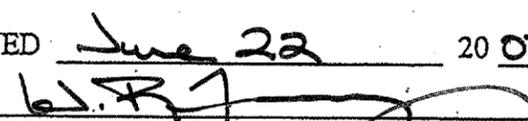
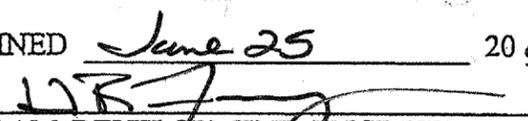
J.U.L.I.E. TELEPHONE NUMBER
1-800-892-0123

KNOWN UTILITIES LOCATION WITHIN THE LIMITS OF THIS IMPROVEMENT ARE:

FRONTIER COMMUNICATIONS
DALLAS RURAL WATER DISTRICT
CONSOLIDATED UTILITY SERVICE
MCDONOUGH TELEPHONE COMPANY
WESTERN ILLINOIS ELECTRIC

COMMITMENTS

THE FIELD/RESIDENT ENGINEER SHALL CONTACT DISTRICT 6 STUDIES & PLANS AT 217-782-6990 CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVEMENTS IN THE DESIGN FOR FUTURE PROJECTS.

DISTRICT SIX	
EXAMINED <u>June 26</u> 20 <u>07</u>	
OPERATIONS ENGINEER	
EXAMINED <u>June 22</u> 20 <u>07</u>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>June 25</u> 20 <u>07</u>	
PROGRAM DEVELOPMENT ENGINEER	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND LEGEND

DATE 05/03/07

DRAWN BY JCW
CHECKED BY JRB

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	3
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	180.1		180.1
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	325		325
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1	
* XX005496	TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH	1	1	
XX005519	STONE DUMPED RIPRAP, CLASS A4 (SPECIAL)	TON	338		338
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	12		12
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	
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1		1
20200100	EARTH EXCAVATION	CU YD	53	53	

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DRAWN BY JCW
CHECKED BY JRB

DATE: 05/02/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(R-1)	HANCOCK	44	4
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	14	14	
25000200	SEEDING, CLASS 2	ACRE	0.2	0.2	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18	18	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18	18	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18	18	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.4	0.4	
25100115	MULCH, METHOD 2	ACRE	0.2	0.2	
28000400	PERIMETER EROSION BARRIER	FOOT	500	500	
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	58	58	

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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DATE: 05/02/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	5
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
35101400	AGGREGATE BASE COURSE, TYPE B	TON	10	10	
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	642	642	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5	5	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.6	1.6	
40600300	AGGREGATE (PRIME COAT)	TON	8	8	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	575	575	
40600990	TEMPORARY RAMP	SQ YD	87	87	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	287	287	
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	114	114	
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	120	120	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	49	49	

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE: 05/02/07

DRAWN BY JCW
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
44000100	PAVEMENT REMOVAL	SQ YD	271	271	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	443	443	
48101300	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	TON	75	75	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	55	55	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	4.2		4.2
50300225	CONCRETE STRUCTURES	CU YD	5.4		5.4
50300260	BRIDGE DECK GROOVING	SQ YD	559	234	325
50300300	PROTECTIVE COAT	SQ YD	333		333
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2914		2914
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4780		4780

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DRAWN BY JCW
CHECKED BY JRB
DATE: 05/02/07

Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	7
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
50800515	BAR SPLICERS	EACH	98		98
50901050	STEEL RAILING, TYPE SM	FOOT	172		172
51500100	NAME PLATES	EACH	1		1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	34.5		34.5
60500065	REMOVING INLETS, SPECIAL	EACH	2	2	
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	8	8	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	23	23	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	46	46	
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	225	225	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	3	3	

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE: 05/02/07

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Rev.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
63200310	GUARDRAIL REMOVAL	FOOT	552	552	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	236	236	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	8882	8882	

* SPECIALTY ITEM

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ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080-2A
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	63	63	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1651	1651	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	370	370	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	370	370	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	4292	4292	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	27	27	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13	13	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	10	10	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1696	1696	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13	

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SUMMARY OF QUANTITIES

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	10
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

STATION TO STATION	SIDE	DESCRIPTION	PAINT PAVEMENT MARKING		
			5" WHITE LINE	5" YELLOW LINE	24" WHITE LINE
FOOT					
IL 9					
601+00	611+20	LT	EOP	1020	
601+00	604+63	RT	EOP	363	
601+00	605+29	CL	DUAL NPZ		858
605+29	611+20	CL	EB NPZ		591
605+29	611+20	CL	WB SKIP-DASH		150
607+05	611+20	RT	EOP	415	
IL 94					
5+15	6+02	RT	EOP	140	
5+15	6+08	LT	EOP	176	
5+15	5+54	LT	ISLAND	133	
5+30	6+78	CL	DUAL NPZ		296
6+02	6+90	RT	EOP	88	
6+04	6+66	LT	EOP	62	
5+30	5+32	LT	STOP BAR		12
5+37	5+47	LT	STOP BAR		15
TOTALS				2397	1895
USE				4292	27

EXCAVATING AND GRADING EXISTING SHOULDER

STATION TO STATION	SIDE	EXCAVATING AND GRADING EXISTING SHOULDER		
		FOOT	UNIT	
603+00.0	607+01.5	LT	401.5	4.0
604+62.7	6+90.8*	RT/LT	227.4	2.3
6+64.8*	606+54.5	RT/LT	198.1	2.0
607+90.6	611+11.1	LT	320.5	3.2
608+14.6	609+84.6	RT	170.0	1.7
TOTALS			1317.5	13.2
USE				14

*IL 94 STATIONING

PAVING SCHEDULE

STATION TO STATION	SUB-BASE GRANULAR MATERIAL, TYPE A	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" NSO	BRIDGE APPROACH PAVEMENT	BRIDGE APPROACH PAVEMENT (SPECIAL)	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 "	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	HOT-MIX ASPHALT SHOULDERS	
														TON
IL 9														
601+00.0	601+30.0		0.03	0.2	86.7	7.3						1.8		
601+30.0	606+38.5		0.63	3.3		124.0						38.7	16.0	
606+38.5	606+68.5		21.4	0.04	0.2	137.0						1.6	1.7	
606+68.5	606+98.5	29.6	15.5						26.0			1.4		
607+87.6	608+17.6	28.1	13.8				113.3			129.0		2.8		
608+17.6	608+47.6		27.5	0.04	0.2	113.3			119.8	127.0		2.9	2.2	
608+47.6	609+55.0		98.6	0.15	0.8							8.7	8.0	
609+55.0	609+85.0		27.6	0.04	0.2	113.3						2.6	2.2	
609+85.0	611+20.0		54.8	0.17	0.9						443.0	4.3	5.0	
MAILBOX TURNOUT				0.03	0.1								3.8	
IL 94														
5+15.2	6+34.8		147.4	0.34	1.8							8.9	12.3	
6+34.8	6+90.8		39.4	0.06	0.3	124.2						1.2	3.2	
TOTALS		57.7	641.2	1.53	8.0	574.5	286.1	113.3	119.8	48.7	271.0	443.0	74.9	54.4
USE		58	642	1.6	8	575	287	114	120	49	271	443	75	55

GUARDRAIL SCHEDULE

STATION TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL)	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	TERMINAL MARKER - DIRECT APPLIED
606+01.5	607+01.5	LT	1		1	1
6+60.8*	606+95.5	LT/RT*	1	1		
607+84.5	609+72.0	RT	1		1	1
607+90.2	609+03.1	LT	1		1	1
TOTALS			225.0	4	1	3

*GUARDRAIL FROM 6+60.8 LT ON IL 94 TO 606+95.5 RT ON IL 9

EARTHWORK SCHEDULE

STATION TO STATION	SIDE	EXCAVATION	EMBANKMENT	EMBANKMENT ADJUSTED FOR SHRINKAGE*	BALANCE WASTE OR SHORTAGE (-)
601+00.0	606+98.5	LT	16.4	48.7	60.9
607+87.6	611+20.0	RT	35.8	35.1	43.9
TOTALS			52.2	83.8	104.8
USE			53		**53

* SHRINKAGE FACTOR = 25%
 ** EXCAVATED MATERIAL GENERATED FROM EXCAVATING AND GRADING EXISTING SHOULDER TO BE USED FOR EMBANKMENT

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	GUARDRAIL REMOVAL	
			FOOT
606+00.3	607+01.5	LT	101.2
6+60.8*	606+95.5	LT/RT*	211.9
607+90.2	608+90.6	LT	100.4
607+84.5	609+22.3	RT	137.8
TOTAL			551.3
USE			552

*EXISTING GUARDRAIL FROM 6+60.8 LT IL 94 TO 606+95.5 RT IL 9

AGGREGATE FOR TEMPORARY ACCESS

STATION TO STATION	SIDE	TON	
605+79.7	605+91.5	RT (CORNER ISLAND)	4.5
TOTAL		4.5	
USE		5	

AGGREGATE BASE COURSE, TYPE B

STATION	SIDE	AGGREGATE BASE COURSE, TYPE A
		TON
609+15 (FE)	LT	9.9
TOTAL		9.9
USE		10

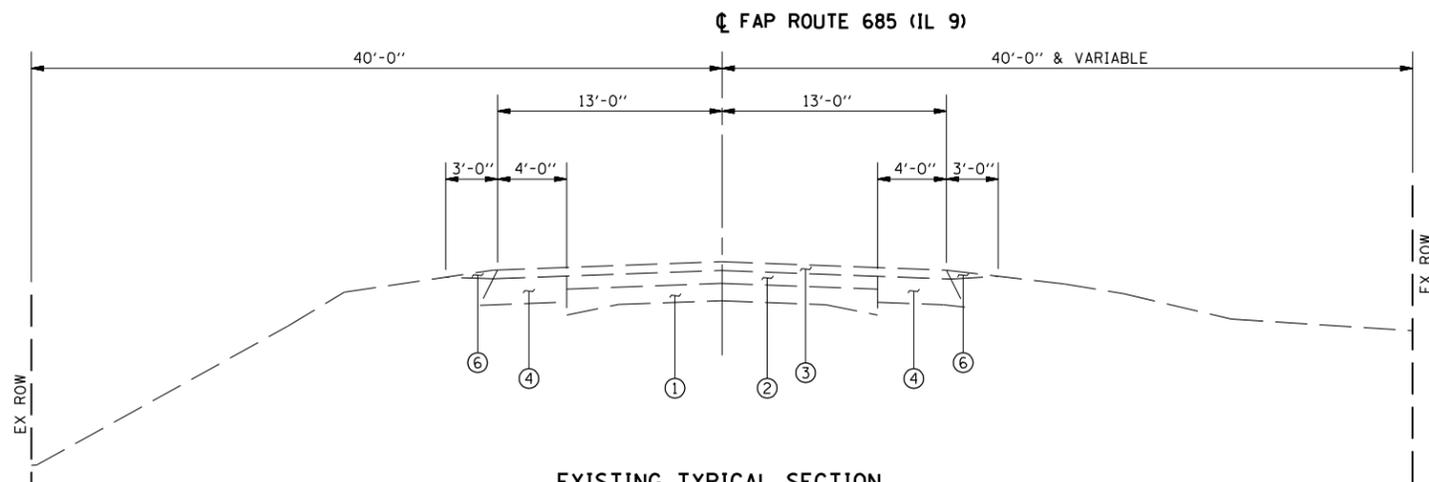
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE: 05/02/07
 DRAWN BY JCW
 CHECKED BY JRB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

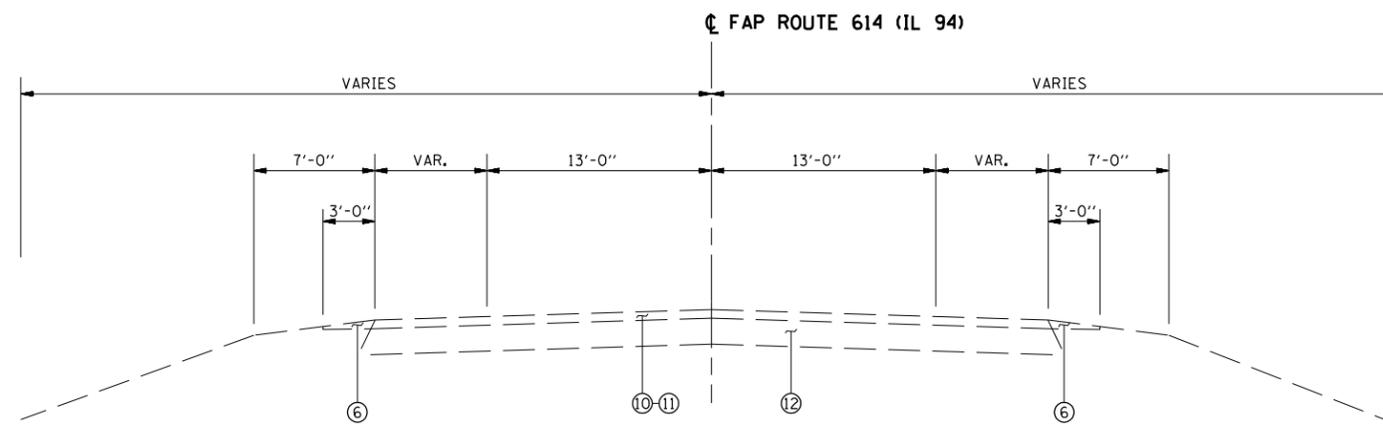


EXISTING TYPICAL SECTION

STA. 601+00.00 TO STA. 609+84.00
BRIDGE / APPROACH OMISSION STA 606+76.76 TO STA 608+09.40

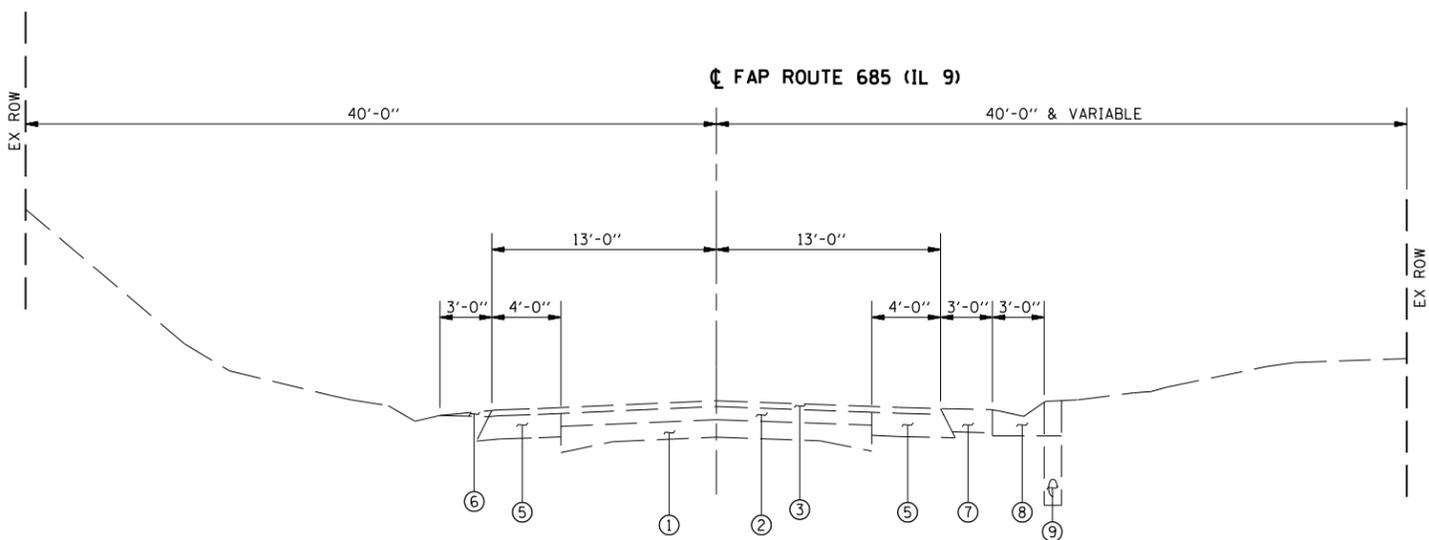
LEGEND

- ① EXISTING 9-6-9 PCC PAVEMENT
- ② EXISTING HOT-MIX ASPHALT SURFACE (4 1/2")
- ③ EXISTING HOT-MIX ASPHALT SURFACE (3" & VAR.)
- ④ EXISTING HOT-MIX ASPHALT WIDENING (9")
- ⑤ EXISTING HOT-MIX ASPHALT WIDENING (8")
- ⑥ EXISTING AGGREGATE SHOULDER WEDGE
- ⑦ EXISTING HOT-MIX ASPHALT SHOULDERS (8")
- ⑧ EXISTING GUTTER
- ⑨ EXISTING PIPE UNDERDRAINS
- ⑩ EXISTING HOT-MIX ASPHALT BINDER COURSE (1 1/2")
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE COURSE (1 1/2")
- ⑫ EXISTING HOT-MIX ASPHALT BASE COURSE (9")



EXISTING TYPICAL SECTION

STA. 5+13.00 TO STA. 6+78.89 (BK ABUT)



EXISTING TYPICAL SECTION

STA 609+84.00 TO STA 611+20.00

REVISIONS	
NAME	DATE

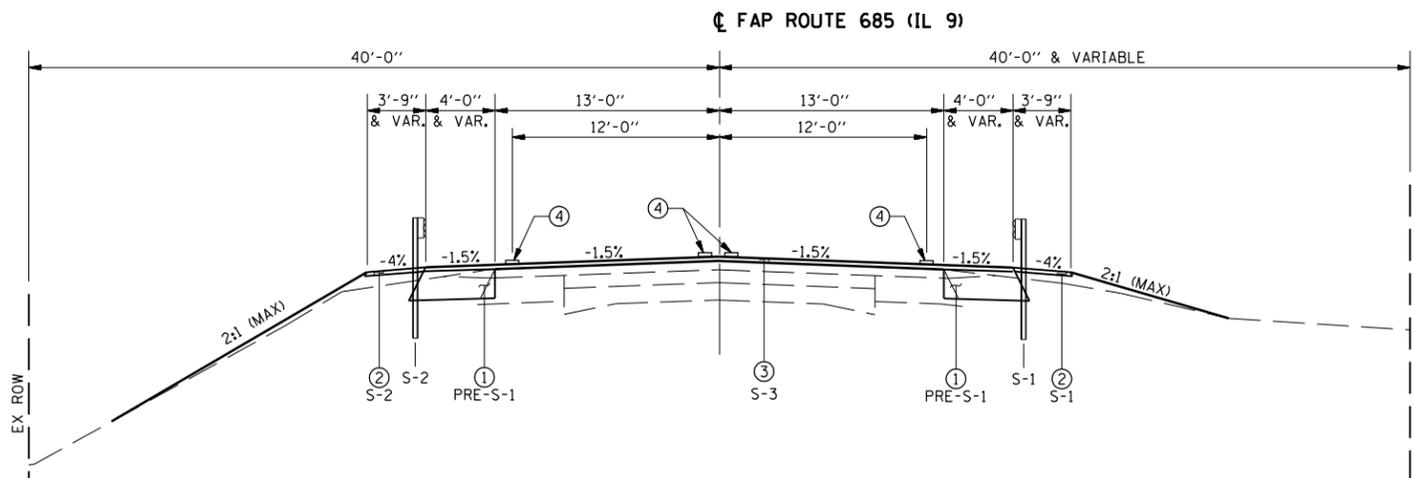
ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

DATE: 05/02/07
DRAWN BY JCW
CHECKED BY JRB

PLOT DATE = 7/2/2007
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PLOT SCALE = 1/8"=1'-0"
USER NAME = laughlin-1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	12
STA. 601+00.00		TO STA. 609+85.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

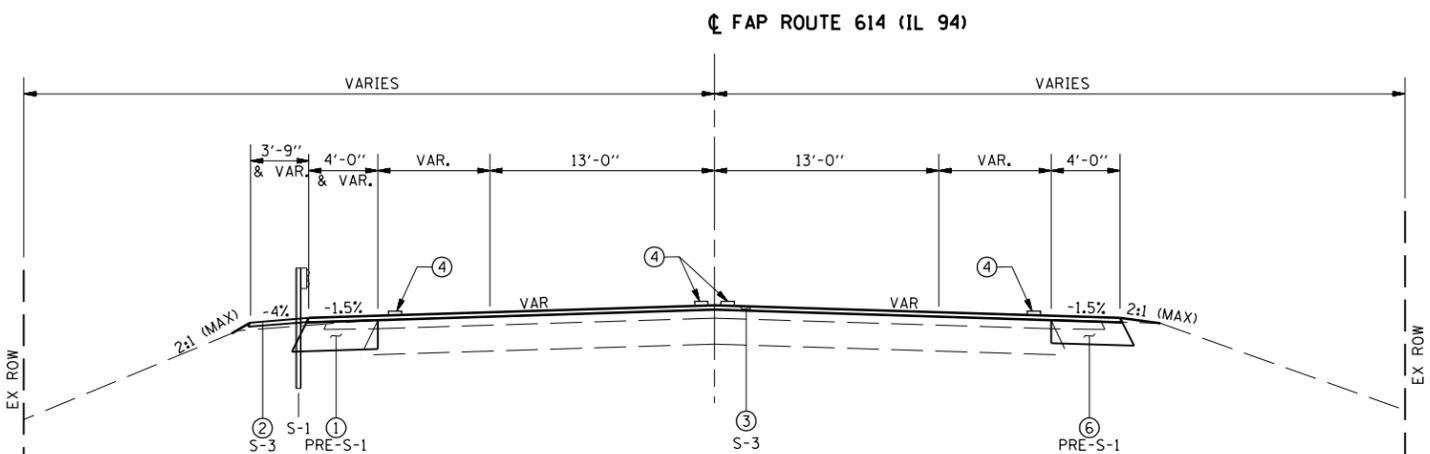


PROPOSED TYPICAL SECTION
 STA. 601+00.00 TO STA. 609+85.00
 BRIDGE/APPROACH OMISSION STA 606+68.54 TO STA 608+17.62

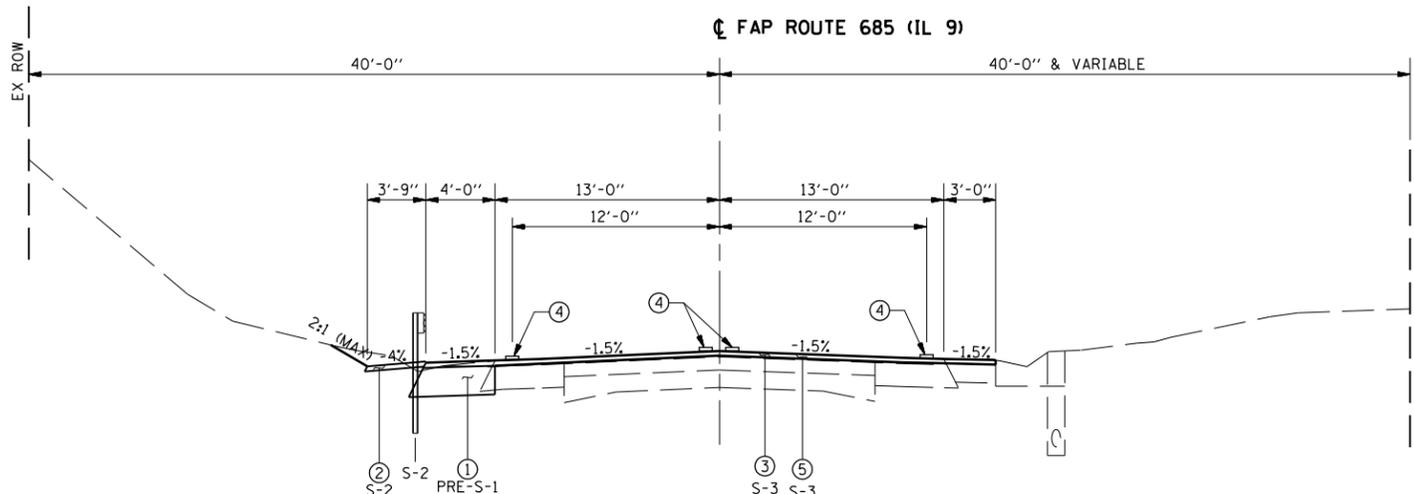
LEGEND

- ① PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10"
- ② PROPOSED AGGREGATE SHOULDERS, TYPE B
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
- ④ PROPOSED PAINT PAVEMENT MARKING, LINE 5"
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS (8")

NOTE:
 SEE PLAN VIEW FOR GUARDRAIL
 LOCATIONS AND SHOULDER TAPERS.



PROPOSED TYPICAL SECTION
 STA. 5+13.00 TO STA. 6+78.89 (BK ABUT)



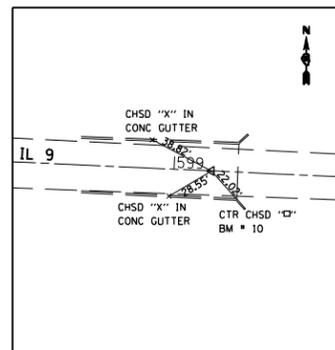
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 STA 609+85.00 TO STA 611+20.00

REVISIONS	
NAME	DATE

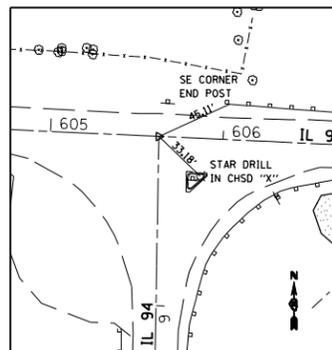
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS
 DRAWN BY JCW
 CHECKED BY JRB
 DATE: 05/02/07

PLOT DATE = 7/2/2007
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 USER NAME = laughlin-1

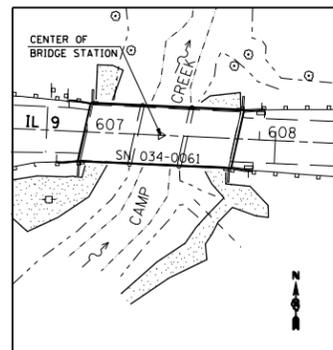
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



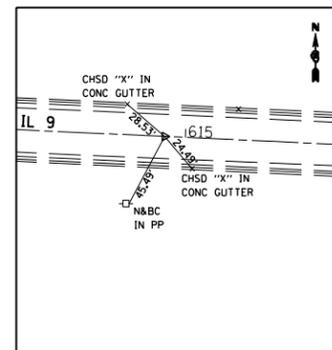
P.O.T. 599+21.71 (IL 9)
(PK IN CHSLD "X")



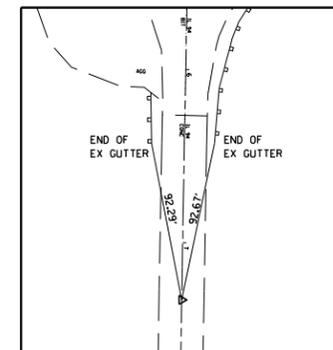
P.O.T. 605+62.78 (IL 9)
= 5+02.16 (IL 94)
(PK IN CHSLD "X")



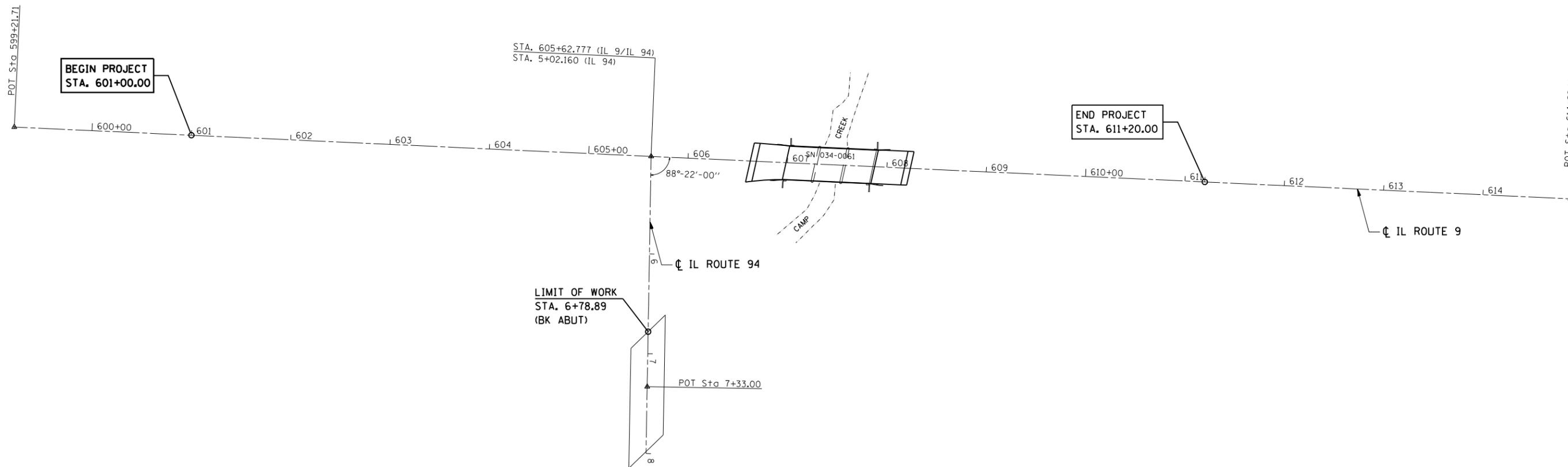
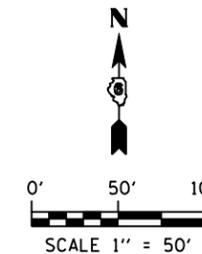
P.O.T. 607+43.00 (IL 9)
(STAR DR. 11 IN CHSLD "X")



P.O.T. 614+88.11 (IL 9)
(PK IN CHSLD "X")



P.O.T. 7+33.00 (IL 94)
(PK IN CHSLD "X")



BEGIN PROJECT
STA. 601+00.00

END PROJECT
STA. 611+20.00

STA. 605+62.777 (IL 9/IL 94)
STA. 5+02.160 (IL 94)

LIMIT OF WORK
STA. 6+78.89
(BK ABUT)

POT Sta 7+33.00

BM #11: STA. 605+5.8, 191.2' RT
CHISLED "□" NW WING OF
BRIDGE 034-0060 ±200'
SOUTH OF JCT IL 9 & IL 94
@ STA 6+92.9, 17.4' RT (IL 94)
ELEV. = 599.03

BM #12: STA. 607+89.5, 17.3' LT
CHISLED "□" IN NE WING
OF BRIDGE 034-0061 ±300'
EAST OF JCT IL 9 & IL 94
ELEV. = 597.93

BM #13: FOUND
CHISLED "□" IN SE WINGWALL
OF BRIDGE 034-0010 @ 0.522
mi EAST ALONG IL 9/IL94
FROM JCT IL 94
ELEV. = 600.88

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

DATE: 3/13/07
DRAWN BY JCW
CHECKED BY JRB

PLOT DATE = 7/2/2007
FILE NAME = c:\projects\6851887\hutchison_fm\2447-9a001.dgn
PLOT SCALE = 1/8"=50' / IN.
USER NAME = laughlin-1

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	14
STA. 604+00.00		TO STA. 610+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LEGEND

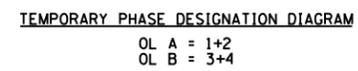
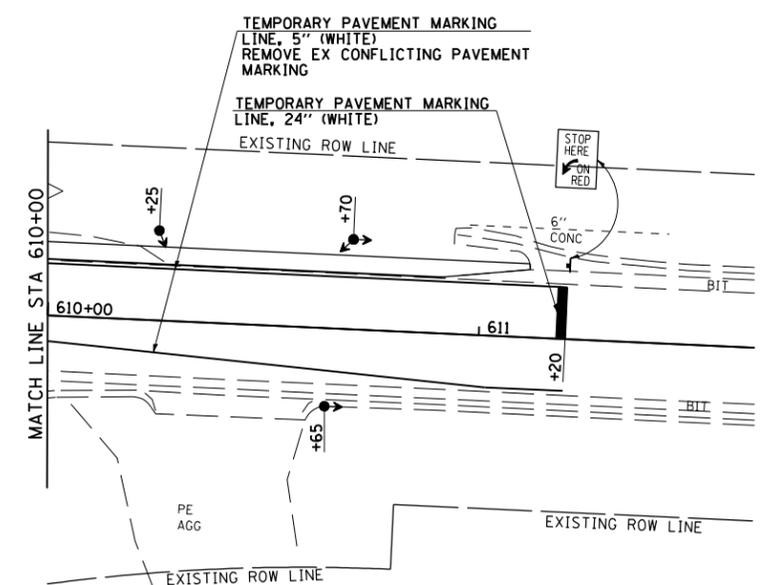
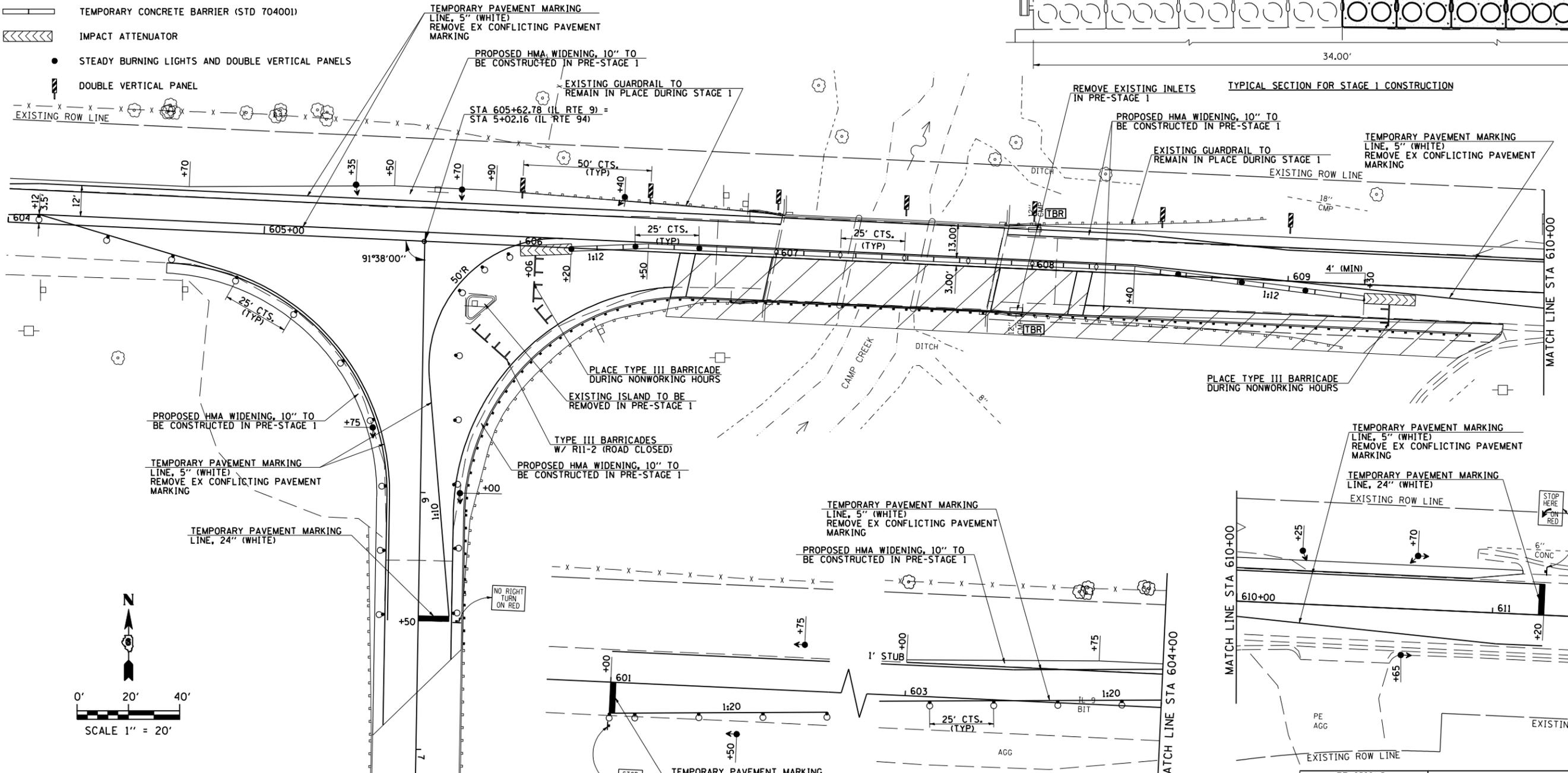
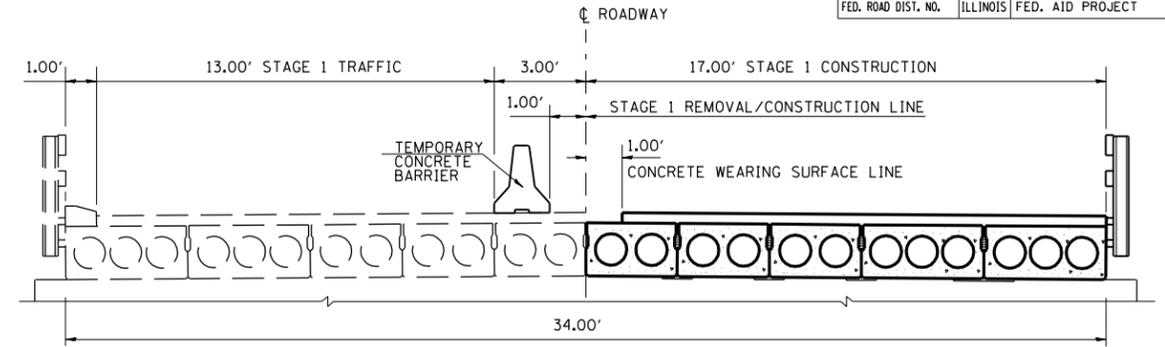
- WORK AREA
- SIGN
- TYPE III BARRICADE
- DRUM WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL
- TYPE C BIDIRECTIONAL REFLECTOR
- TEMPORARY CONCRETE BARRIER (STD 704001)
- IMPACT ATTENUATOR
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
- DOUBLE VERTICAL PANEL

PRE-STAGE 1 CONSTRUCTION:

1. INSTALL ALL NECESSARY ITEMS IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701326 TO CONSTRUCT WIDENING.
2. CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING BOTH LEFT & RIGHT OF CENTERLINE IL RTE 9.
3. CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 8" BOTH LEFT & RIGHT OF CENTERLINE IL RTE 94.
4. INSTALL TEMPORARY TRAFFIC SIGNALS, TEMPORARY CONCRETE BARRIER, AND OTHER TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD 701321 AND STAGE 1 TRAFFIC DETAILS.

STAGE 1 CONSTRUCTION:

1. SHIFT TRAFFIC TO LEFT (WESTBOUND) LANE.
2. REMOVE EXISTING DECK BEAMS, AND GUARDRAIL RIGHT OF CENTERLINE.
3. CONSTRUCT NEW DECK BEAMS RIGHT OF CENTERLINE.
4. CONSTRUCT APPROACH PAVEMENT & FLEXIBLE CONNECTOR RIGHT OF CENTERLINE.
5. INSTALL PROPOSED GUARDRAIL RIGHT OF CENTERLINE IL RTE 9 & IL RTE 94.
6. CONSTRUCT PROPOSED CORNER ISLAND



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
 STAGE 1
 DATE: 04/03/07
 DRAWN BY JCW
 CHECKED BY JRB

PLOT DATE = 7/2/2007
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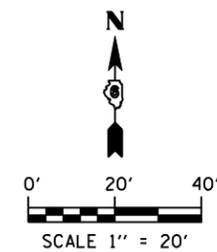
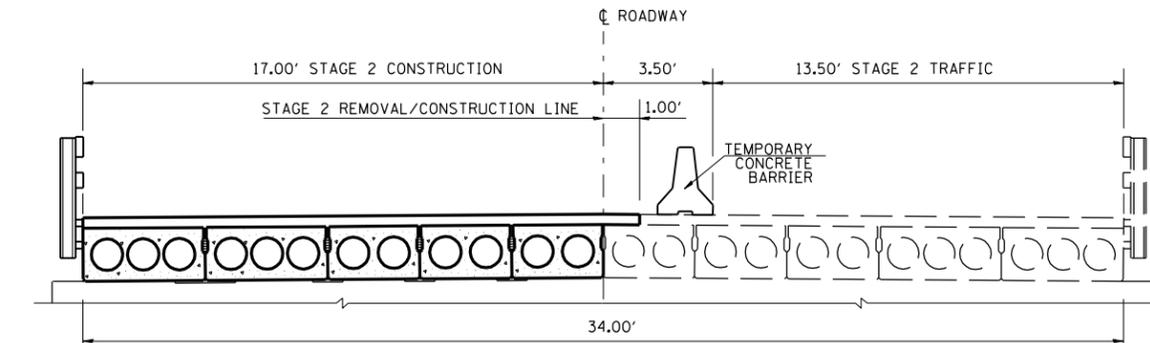
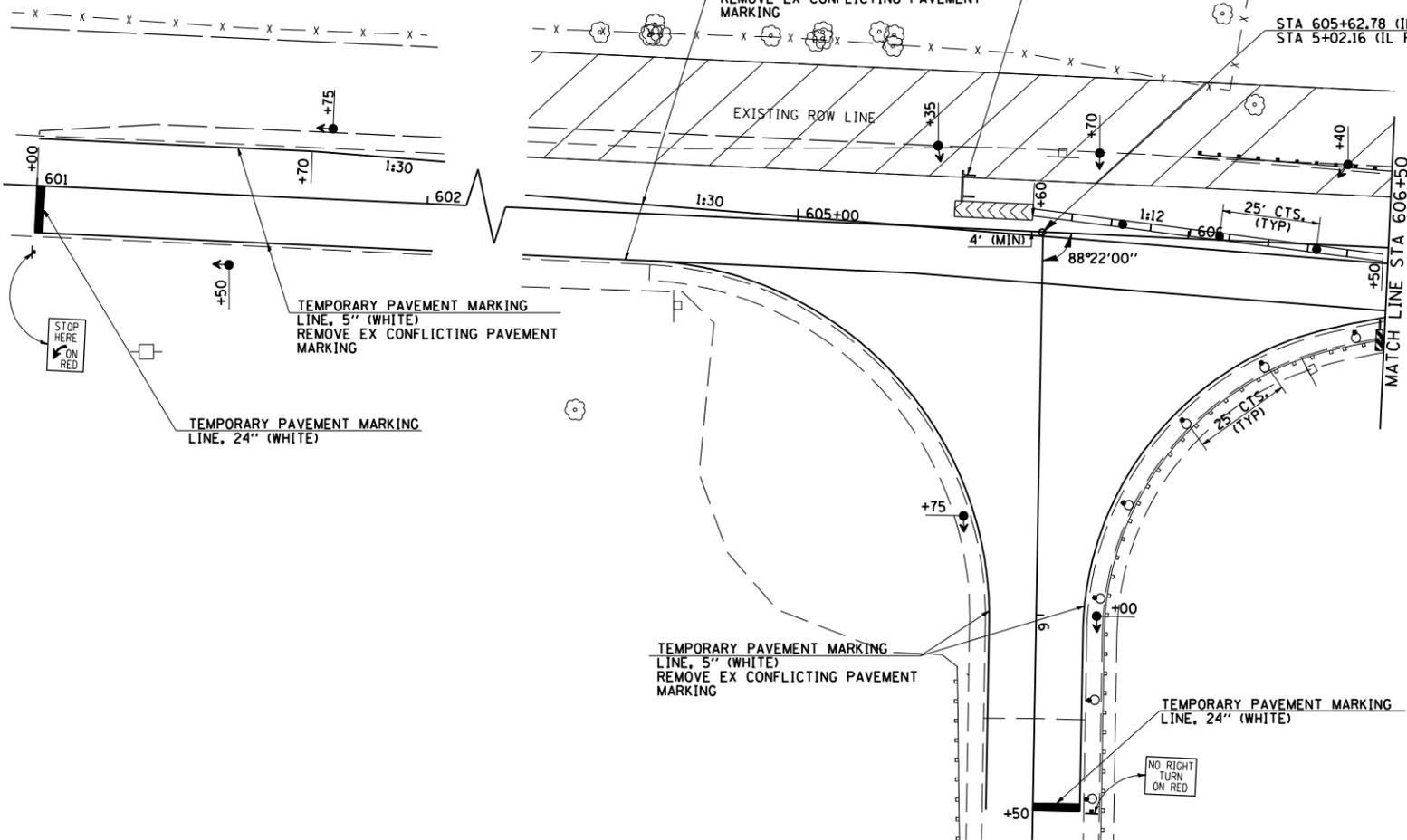
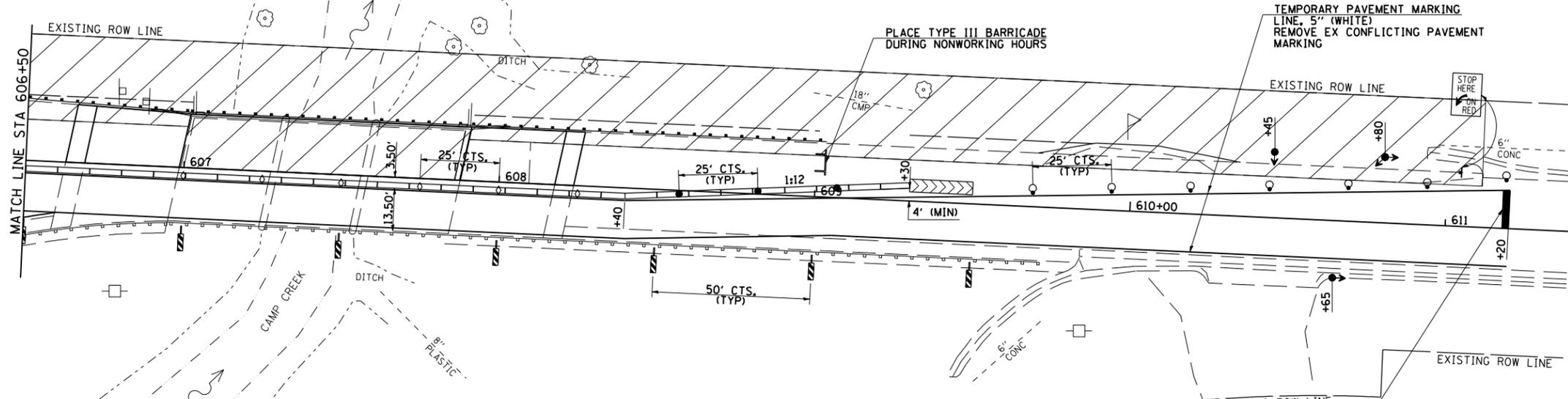
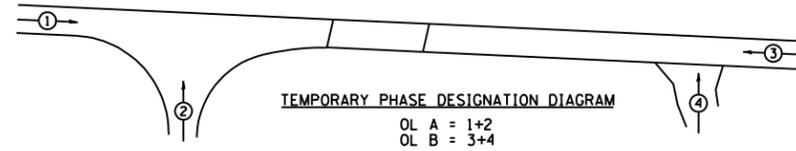
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685	115(BR-1)	HANCOCK	44	15
STA. 604+00.00		TO STA. 610+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LEGEND

-  WORK AREA
-  SIGN
-  TYPE III BARRICADE
-  DRUM WITH STEADY BURNING LIGHT
-  TRAFFIC SIGNAL
-  TYPE C BIDIRECTIONAL REFLECTOR
-  TEMPORARY CONCRETE BARRIER (STD 704001)
-  IMPACT ATTENUATOR
-  STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
-  DOUBLE VERTICAL PANEL

STAGE 2 CONSTRUCTION:

1. RELOCATE TEMPORARY CONCRETE BARRIER, TRAFFIC SIGNALS, AND OTHER TRAFFIC CONTROL ITEMS IN ACCORDANCE WITH STANDARD 701321 AND STAGE 2 TRAFFIC DETAILS.
2. SHIFT TRAFFIC TO RIGHT (EASTBOUND) LANE.
3. REMOVE EXISTING DECK BEAMS, AND GUARDRAIL LEFT OF CENTERLINE.
4. CONSTRUCT NEW DECK BEAMS LEFT OF CENTERLINE.
5. CONSTRUCT APPROACH PAVEMENT & FLEXIBLE CONNECTOR LEFT OF CENTERLINE.
6. INSTALL PROPOSED GUARDRAIL LEFT OF CENTERLINE.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
STAGE 2

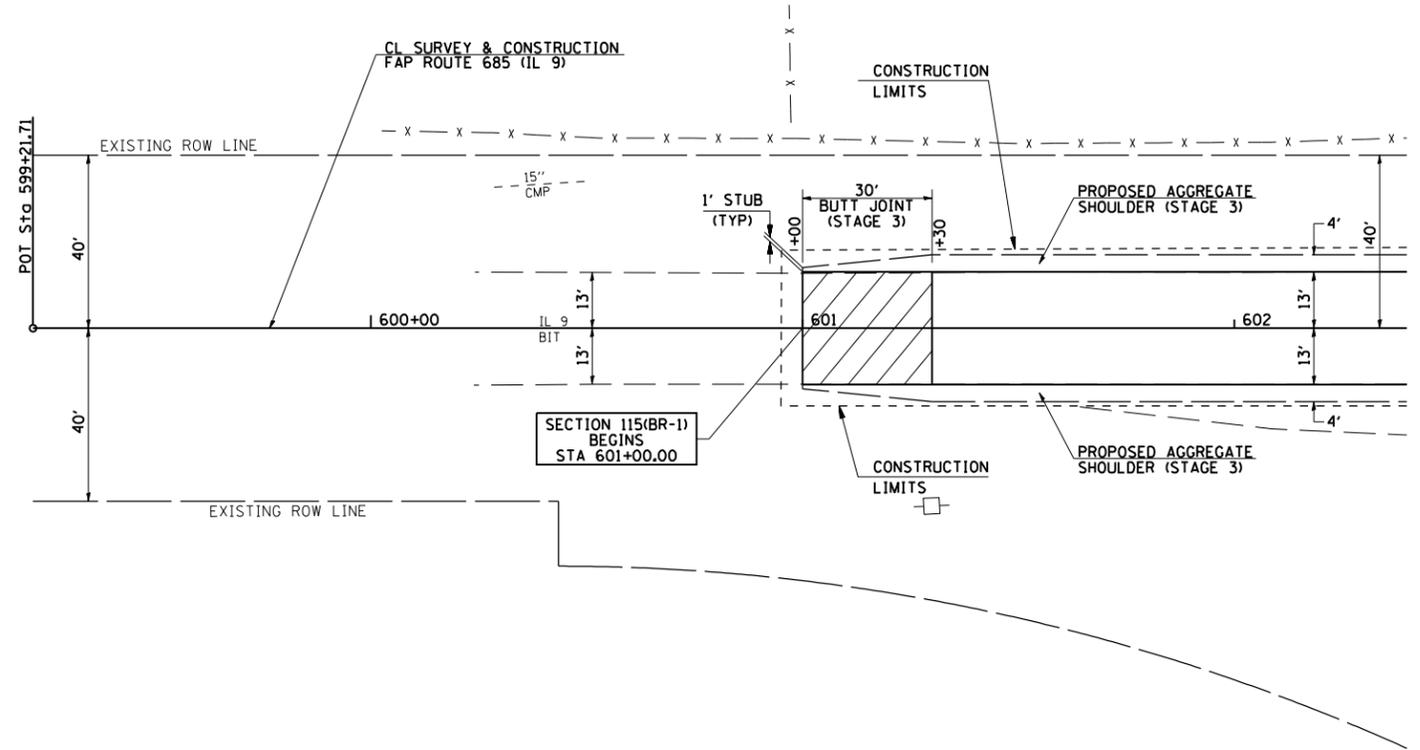
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DRAWN BY JCW
CHECKED BY JRB

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 USER NAME = laughlin-1

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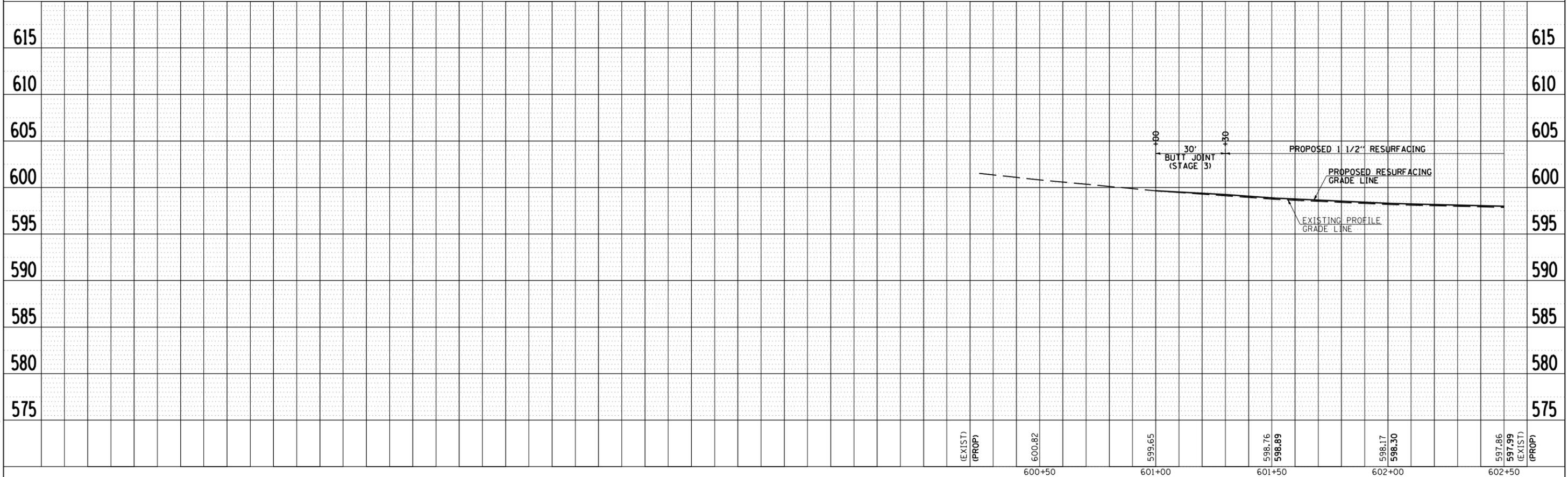
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	16
STA. 599+21.71		TO STA. 602+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHRD		

SEC 13, T 7 N, R 7 W, 3RD PM

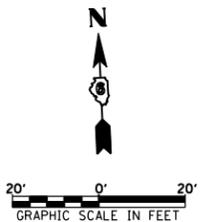
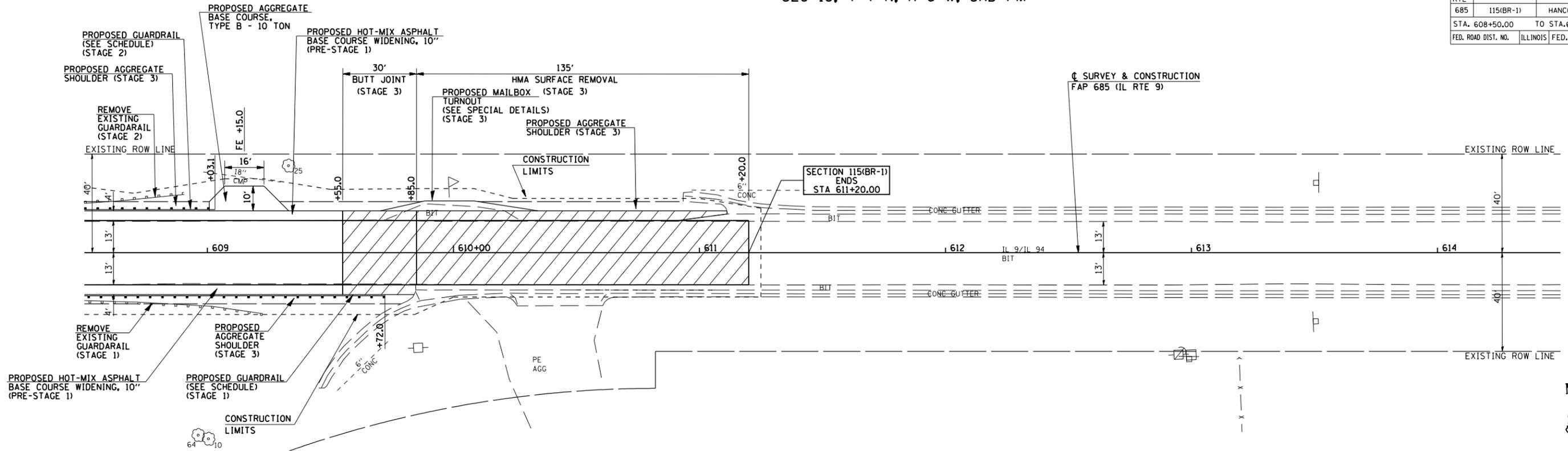


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SEC 18, T 7 N, R 6 W, 3RD PM

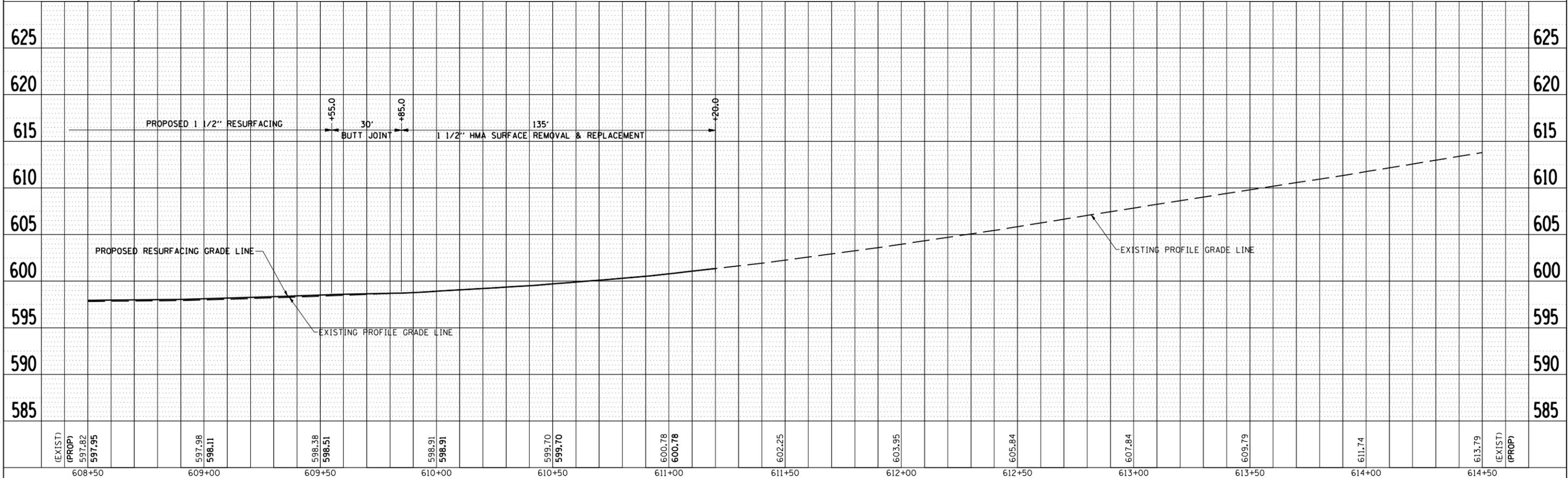
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685	115(BR-1)	HANCOCK	44	18
STA. 608+50.00		TO STA. 611+30.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO. _____	PLotted		
	Checked		
	By		
	Notations		

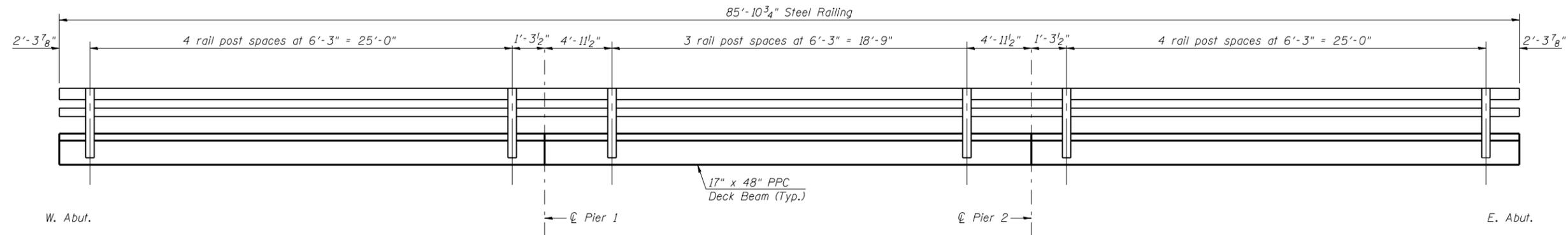


PROFILE	SURVEYED	BY	DATE
NO. _____	Plotted		
	Checked		
	By		
	Notations		

SEC 19, T 7 N, R 6 W, 3RD PM



PLOT DATE = 7/2/2007
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 PLOT SCALE = 4.23628 / IN.
 USER NAME = laughlin-1



RAIL POST SPACING

(Dimensions measured along exterior face of outside beams.)
(South railing shown looking North)

GENERAL NOTES

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the new deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructures.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions. Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

The minimum thickness of Concrete Overlay is 5" and varies as required to adjust for the profile grade and beam camber.

Protective Coat shall be applied to the top and edges of the Concrete Wearing Surface.

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

Repair of the pier caps shall be completed prior to placement of the new deck beams.

It is the responsibility of the Contractor to brace the soil behind the abutments to protect the roadway during Stage Construction. Cost of this work shall be considered incidental to Concrete Removal.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A4 (Special)	Ton	-	338	338
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	-	4.2	4.2
Concrete Structures	Cu. Yd.	-	5.4	5.4
Bridge Deck Grooving	Sq. Yd.	325	-	325
Protective Coat	Sq. Yd.	333	-	333
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2914	-	2914
Reinforcement Bars, Epoxy Coated	Pound	4000	780	4780
Steel Railing, Type SM	Foot	172	-	172
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	34.5	-	34.5
Bar Splicers	Each	86	12	98
Concrete Wearing Surface, 5"	Sq. Yd.	325	-	325
Structural Repair of Concrete (Depth equal to or less than 5 in.)	Sq. Ft.	-	180.1	180.1
Asbestos Bearing Pad Removal	Each	12	-	12
Temporary Support System	Each	1	-	1

\$FILEABBREV\$

1:35:26 PM

7/2/2007

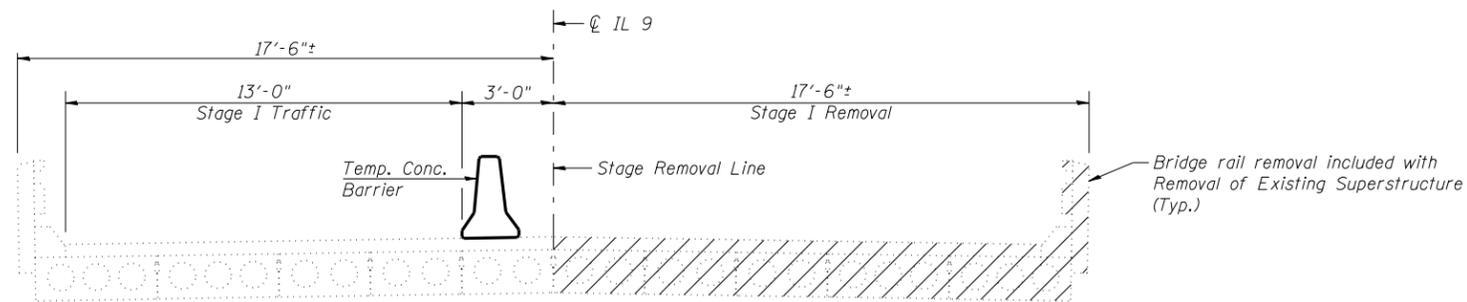
Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS
Date: 04/2007

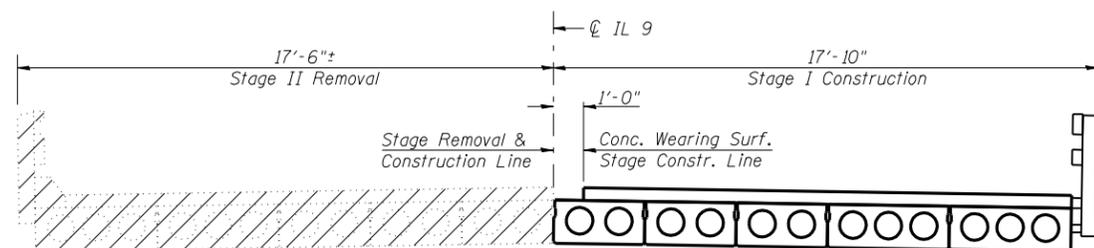
Checked By: MTH
Files: 034-0061.dgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL DATA
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

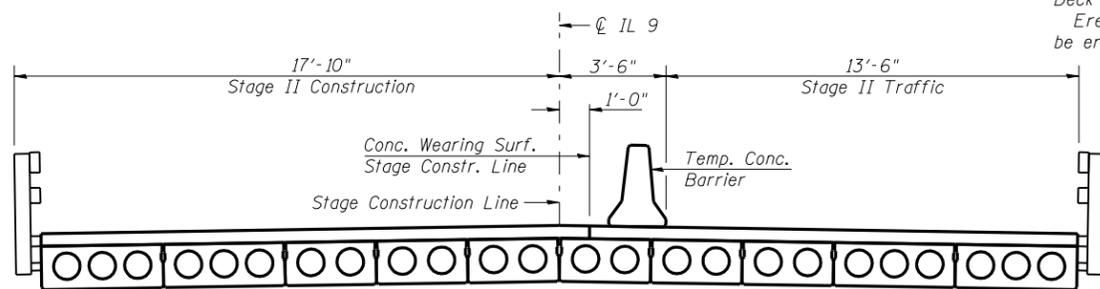


STAGE I REMOVAL & TRAFFIC
(Looking East)

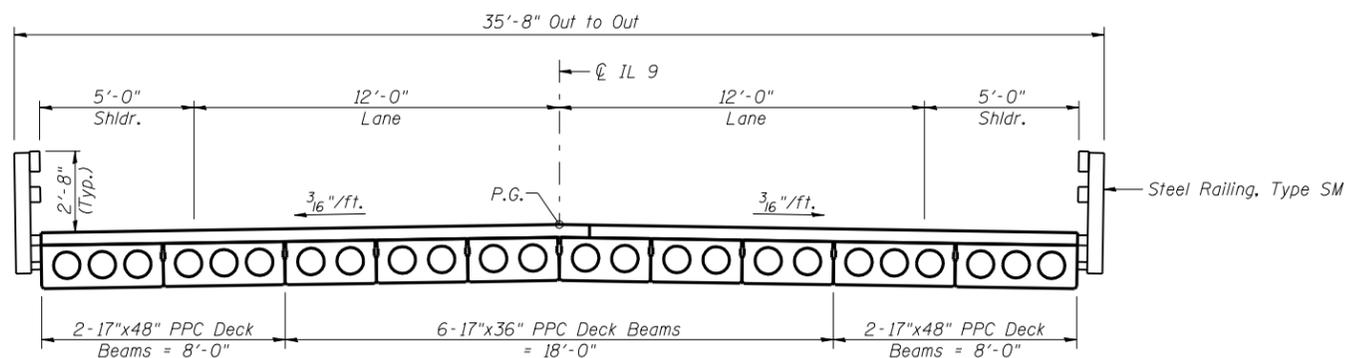


STAGE I CONSTRUCTION & STAGE II REMOVAL
(Looking East)

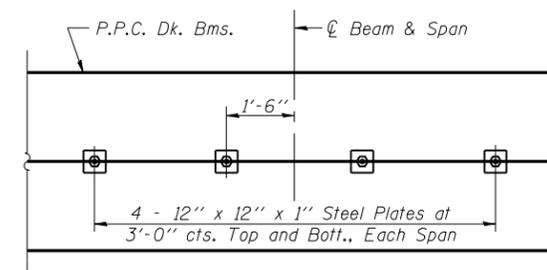
Notes:
Hatched areas indicate removal of existing superstructure.
See roadway plans for quantity of Temporary Concrete Barrier.
See Sheet 15 of 17 for details of Temporary Concrete Barrier.
See Sheet 17 of 17 for temporary bracing of existing PPC Deck Beams carrying Stage I Traffic.
Erection sequence may require that deck beams at the centerline be erected first with transverse ties already installed.



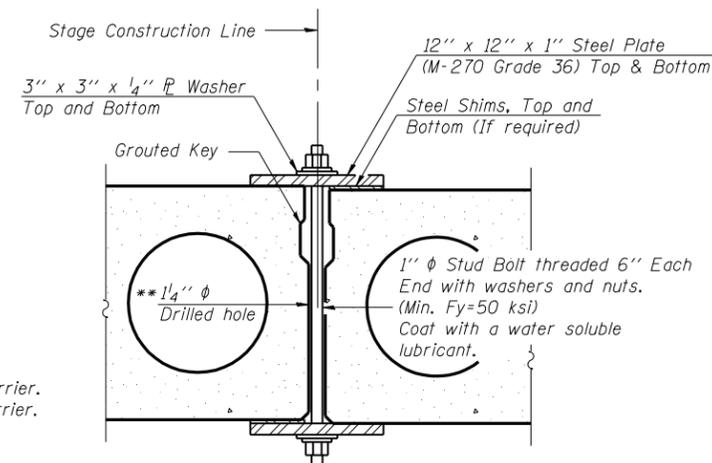
STAGE II CONSTRUCTION & TRAFFIC
(Looking East)



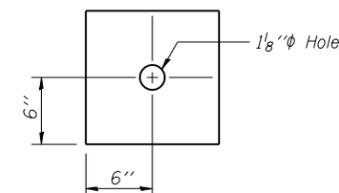
PROPOSED CROSS SECTION
(Looking East)



PLAN



SECTION



CLAMPING PLATE

SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

Cost included with Precast Prestressed Concrete Deck Beams (17" Depth).

** As an alternate to the drilled holes, the Contractor may request the Fabricator to cast 2" diameter semi-circular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate locations for the clamping device bolts. If the Contractor elects to use this alternate, the details shall be identified on the shop drawings.

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION DETAILS
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

REVISIONS	
NAME	DATE

Designed By: DLS
Date: 04/2007
Checked By: MTH
Date: 034-0061.dgn
Drawn By: AJP

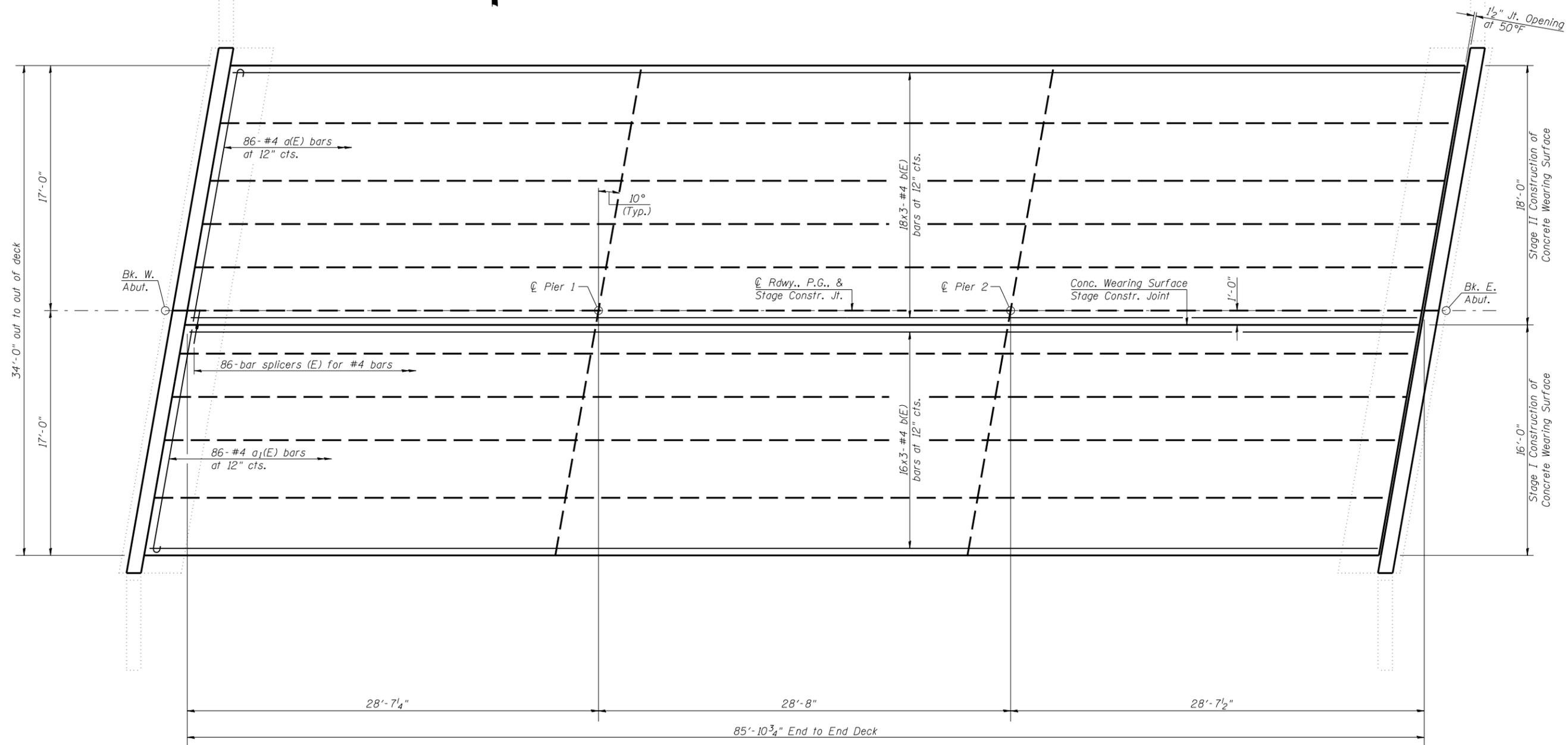
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 685	115 BR-1	HANCOCK	44	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

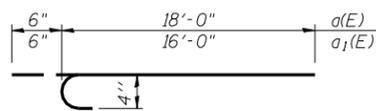
SHEET NO. 5
17 SHEETS

Contract #72A90

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



PLAN



a(E) and a1(E) BARS

Notes:
For remainder of superstructure details, see Sheets 6 thru 8 of 17.
Bars indicated thus 16x3-#4 etc. indicates 16 lines of bars with 3 lengths per line.
See Sheet 3 of 17 for shear key clamping details at Stage Construction Joint.

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Chatham, Illinois

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Date: 04/2007 File: 034-0061.dgn

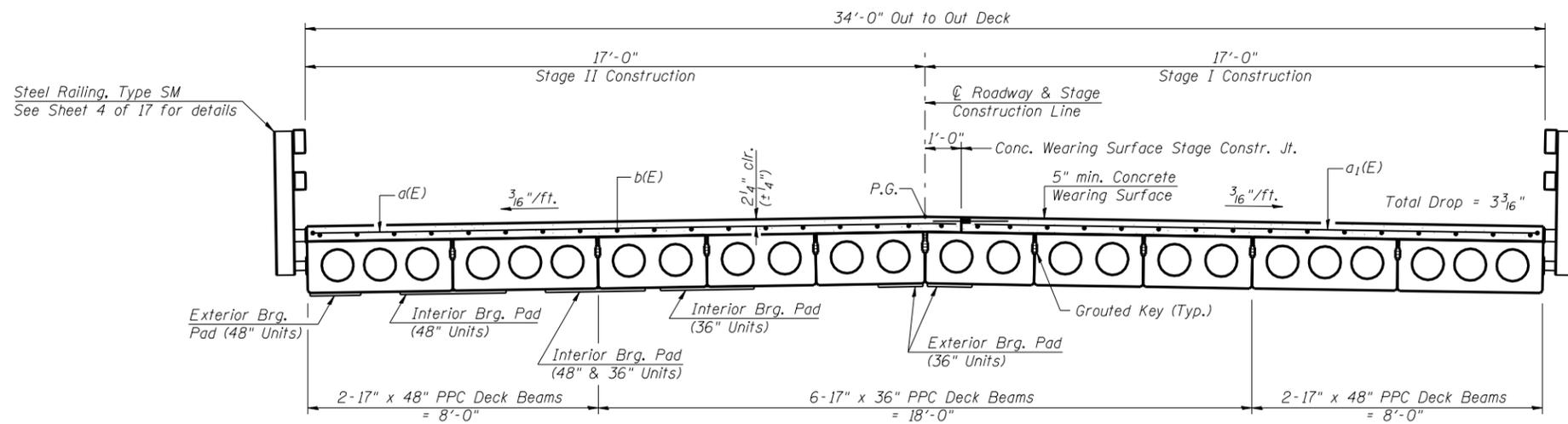
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

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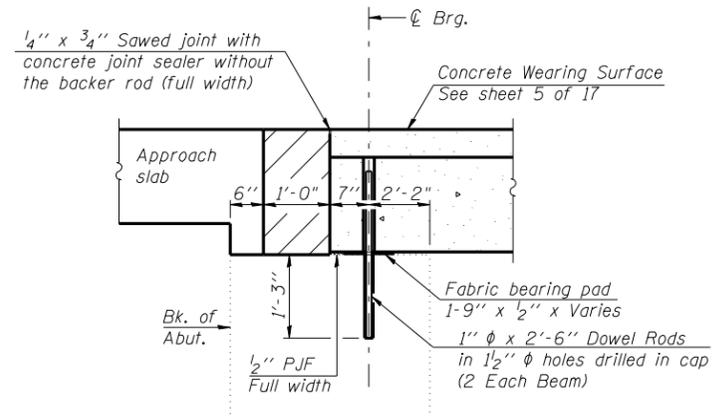
7/2/2007



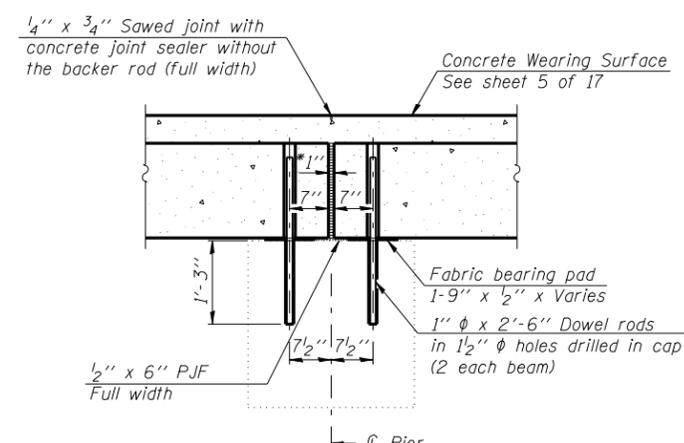
CROSS SECTION
(Looking East)

**SUPERSTRUCTURE
BILL OF MATERIAL**

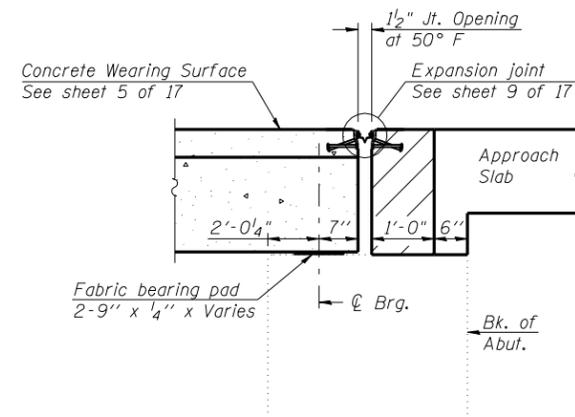
Bar	No.	Size	Length	Shape
a(E)	86	#4	18'-6"	U
a1(E)	86	#4	16'-6"	U
b(E)	102	#4	29'-1"	—
Reinforcement Bars, Epoxy Coated			Pound	4000
Concrete Wearing Surface, 5"			Sq. Yd.	325



SECTION THRU WEST ABUTMENT
(Dimensions at Rt. L's)



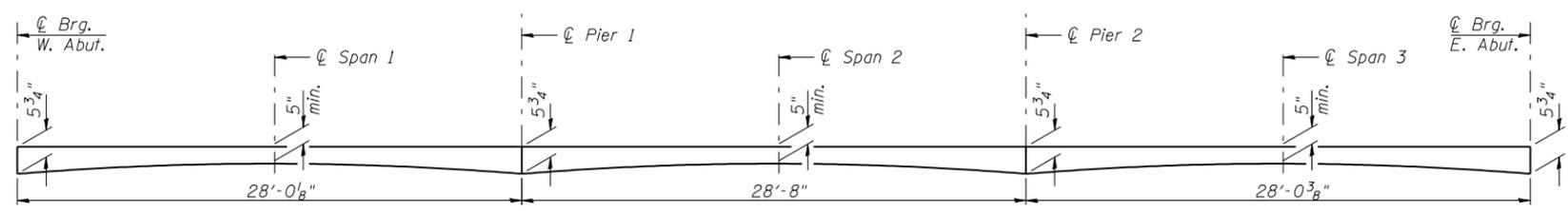
SECTION THRU PIER
(Dimensions at Rt. L's)



SECTION THRU EAST ABUTMENT
(Dimensions at Rt. L's)

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

Notes:
 Ends of beams shall be aligned at the expansion joints. Any lined variation in the beam lengths shall be placed at the fixed joint.
 After beams have been erected, retainers shall be installed, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
 Dowel rods drilled in cap are included in the cost of Precast Prestressed Concrete Deck Beams (17" Depth).
 All horizontal dimensions are at right angles to beam ends, unless noted otherwise.
 Concrete wearing surface to be poured after grouting the shear keys.
 Hatched areas to be poured after concrete wearing surface is in place. Quantity included with Concrete Structures on Sheets 11 and 12 of 17.
 See Sheet 9 of 17 for bearing pad details.



REINFORCED CONCRETE WEARING SURFACE PROFILE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS - 1
 IL ROUTE 9 OVER
 CAMP CREEK
 F.A.P. ROUTE 685 - SECTION 115 BR-1
 HANCOCK COUNTY
 STA. 607+43.00
 STRUCTURE NO. 034-0061

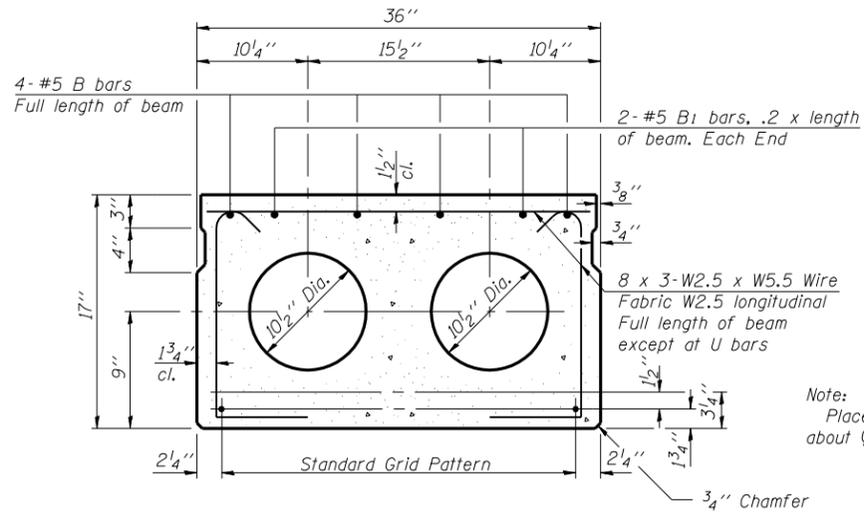
Lin Engineering, Ltd.
 Consulting Engineers
 Chatham, Illinois

REVISIONS	
NAME	DATE

Designed By: DLS
 Checked By: MTH
 Date: 04/2007
 Drawn By: AUF
 File: 034-0061.dgn

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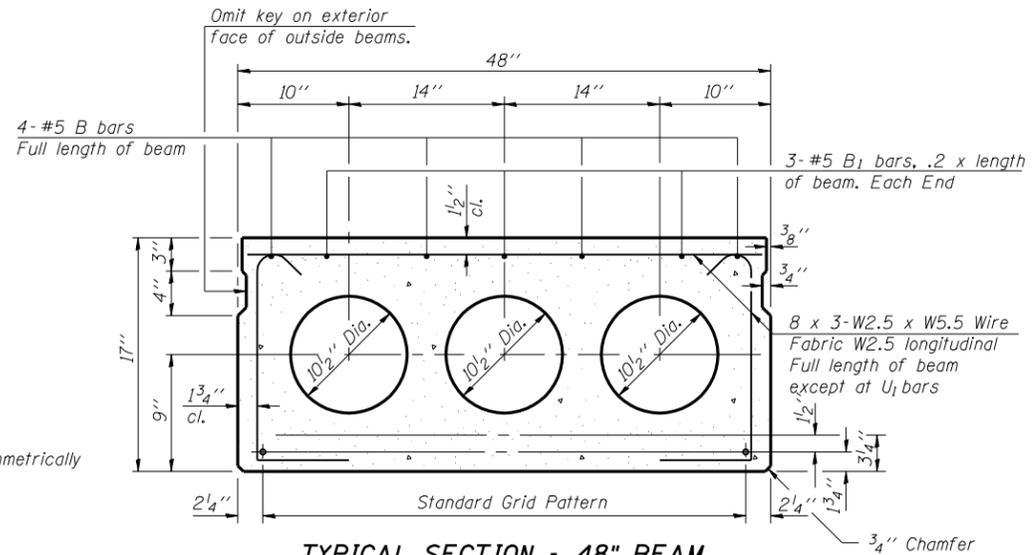
Contract #72A90



TYPICAL SECTION - 36" BEAM

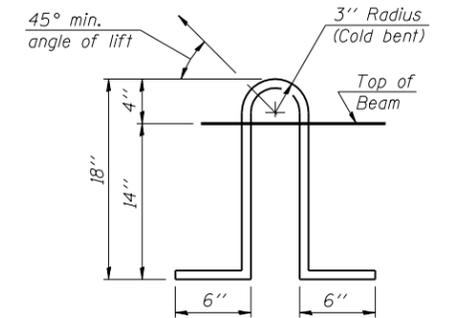
1/2" ϕ Strands, Each Strand Stressed to 30,900 Lbs.
5-Strands 1 3/4" up, 4-Strands 3 3/4" up

Note:
Place strands symmetrically about ϕ of beam.

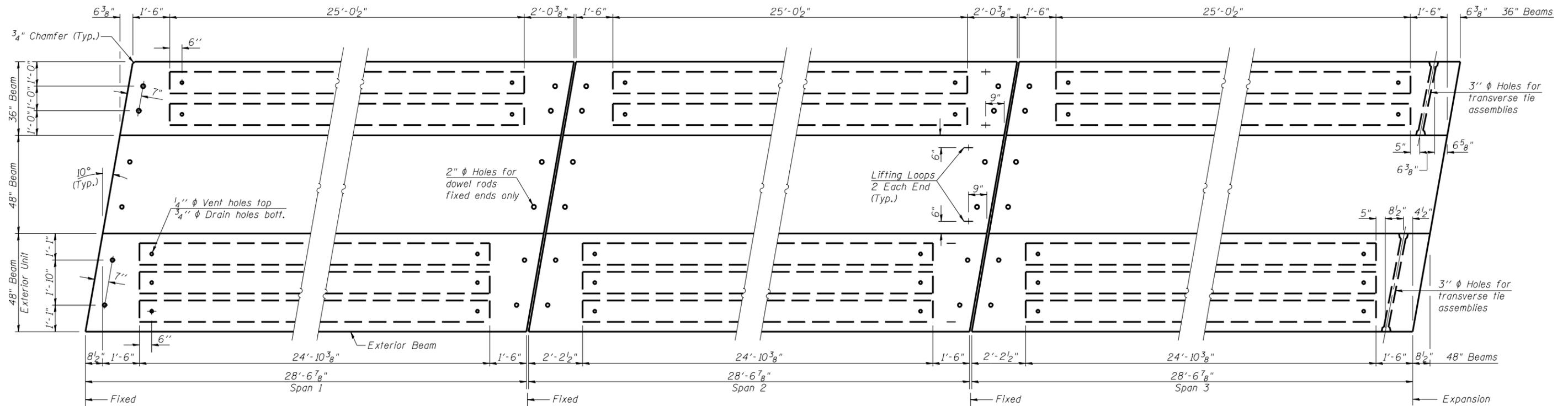


TYPICAL SECTION - 48" BEAM

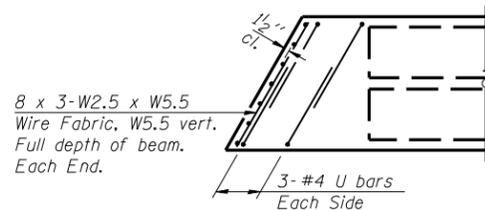
1/2" ϕ Strands, Each Strand Stressed to 30,900 Lbs.
8-Strands 1 3/4" up, 4-Strands 3 3/4" up



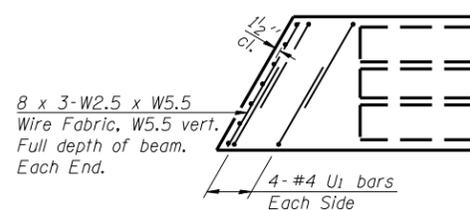
LIFTING LOOP DETAIL



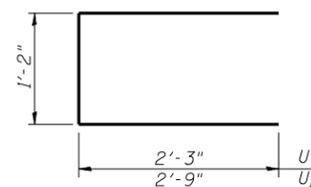
PLAN



END PLAN
36" Beam Ends



END PLAN
48" Beam Ends



BARS U & U₁

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Chatham, Illinois

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Files: 034-0061.dgn

Drawn By: AUF

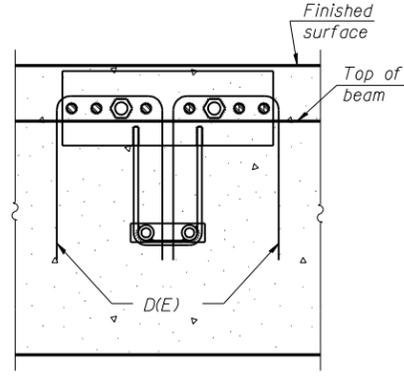
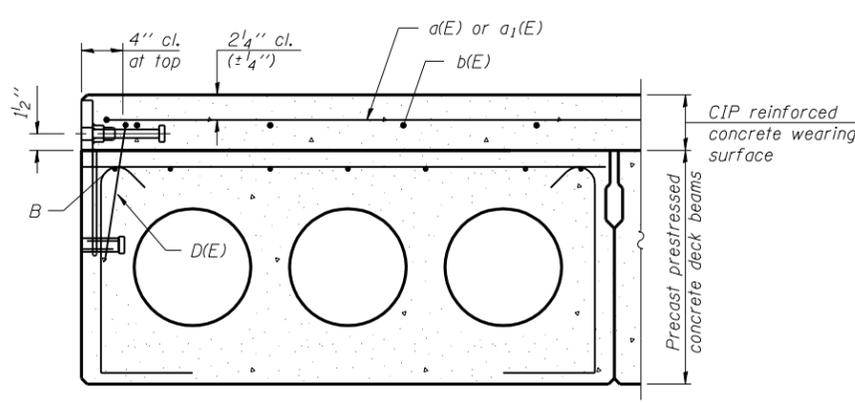
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS - 2
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

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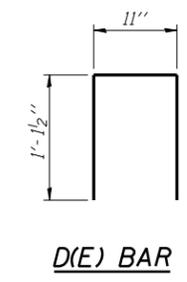
BAR LIST
(One 36" Beam)

Bar	No.	Size	Length	Shape
B	4	#5	28'-3"	—
B ₁	4	#5	5'-9"	—
U	12	#4	5'-8"	⊏

BAR LIST
(One 48" Beam)

Bar	No.	Size	Length	Shape
B	4	#5	28'-3"	—
B ₁	6	#5	5'-9"	—
* D(E)	10	#4	3'-2"	⊏
U ₁	16	#4	6'-8"	⊏

* At exterior beams only.



NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 2-1/2" φ-270 ksi strands, as shown.

Non prestressing steel shall conform to ASTM A 706 (IL MOD), Grade 60.

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

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

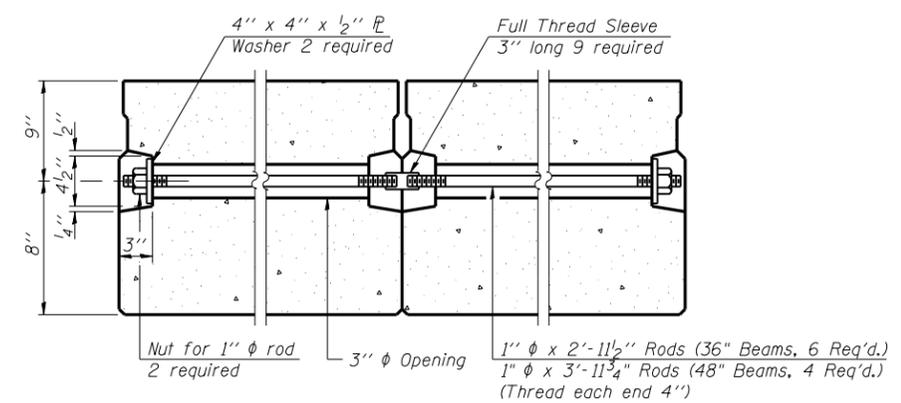
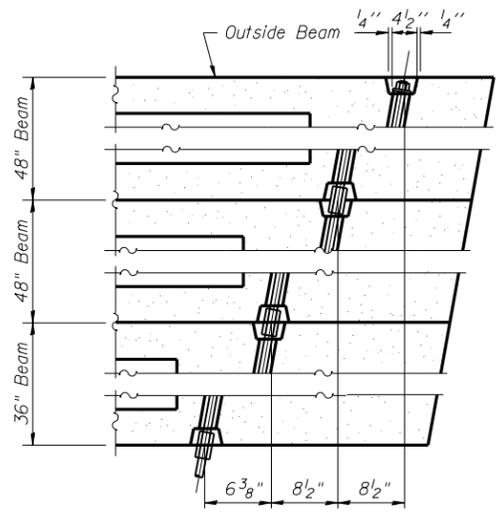
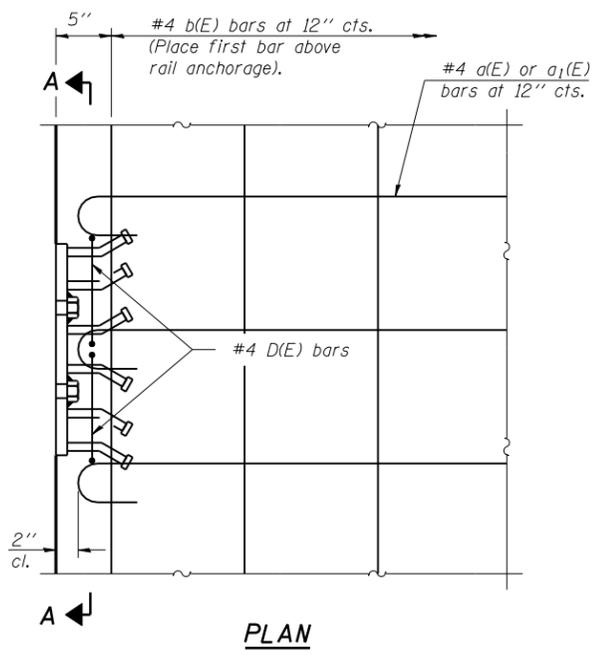
Corrosion Inhibitor, per Article 1020.05(b)(12) of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

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

The rail anchorage shall be cast with the beam and the wearing surface shall be cast in the field. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the beam will not be permitted. Cost of rail anchorages shall be included with Precast Prestressed Concrete Deck Beams (17" Depth). See Sheet 2 of 17 for location of rail anchors.

BILL OF MATERIAL

Precast Prestressed Concrete Deck Bms. (17" Depth)	Sq. Ft.	2914
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TYPICAL TRANSVERSE TIE ASSEMBLY

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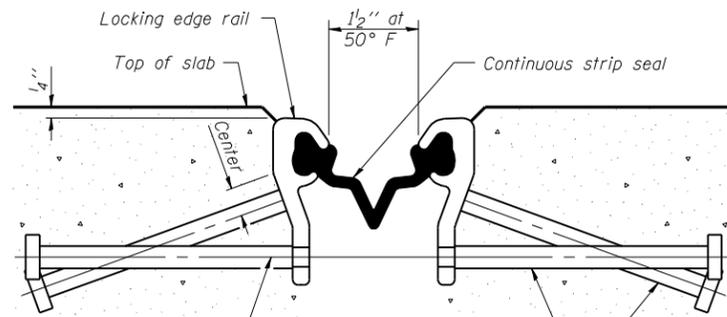
Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS
Checked By: MTH
Date: 04/2007

Drawn By: AUF
File: 034-0061.dgn

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS - 3
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061



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.

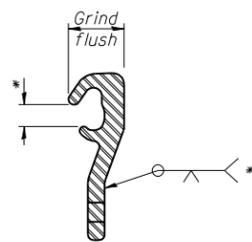
Place 1/2" ϕ x 6" granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded at 1'-0" alt. cts.

SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS

Dimensions at Rt. L's



LOCKING EDGE RAIL



LOCKING EDGE RAIL SPLICE

* Omit weld at seal opening.

Notes:

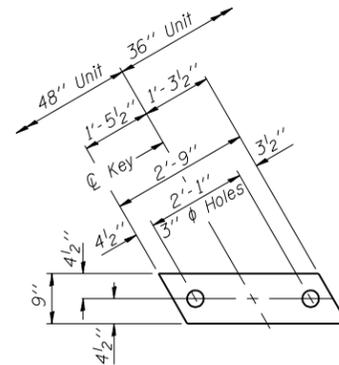
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

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.

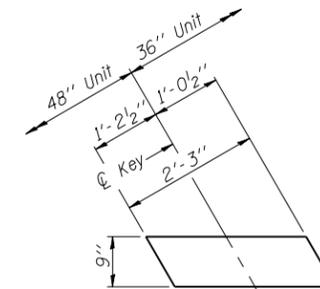
The inside of the Locking Edge Rail groove shall be free of weld residue.

Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

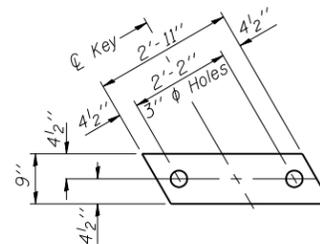
The manufacturer's recommended installation methods shall be followed.



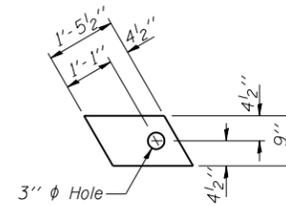
FABRIC BEARING PAD
(Interior - 48" & 36" Units)



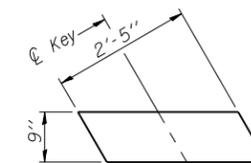
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(Interior - 48" & 36" Units)



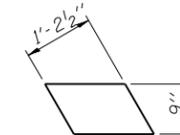
FABRIC BEARING PAD
(Interior - 48" Units)



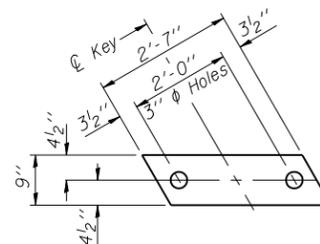
FABRIC BEARING PAD
(Exterior - 48" Units)



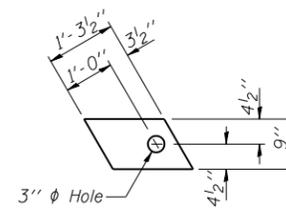
FABRIC BEARING PAD
(Interior - 48" Units)



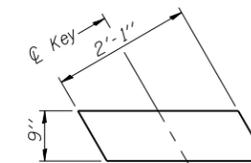
FABRIC BEARING PAD
(Exterior - 48" Units)



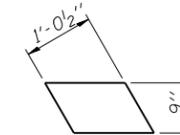
FABRIC BEARING PAD
(Interior - 36" Units)



FABRIC BEARING PAD
(Exterior - 36" Units)



FABRIC BEARING PAD
(Interior - 36" Units)



FABRIC BEARING PAD
(Exterior - 36" Units)

EXPANSION

FIXED

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	34.5

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7/2/2007

REVISIONS

NAME	DATE

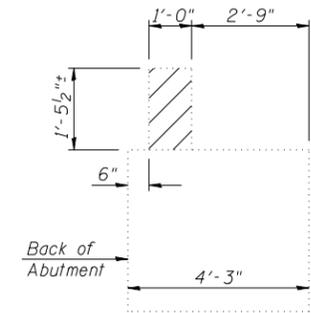
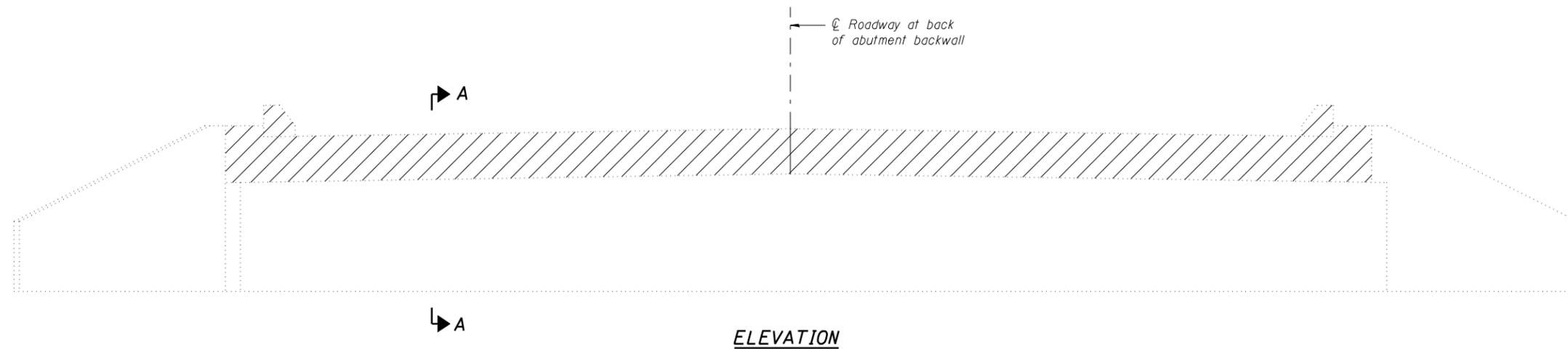
Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS Checked By: MTH Drawn By: AUF
Date: 04/2007 File: 034-0061.dgn

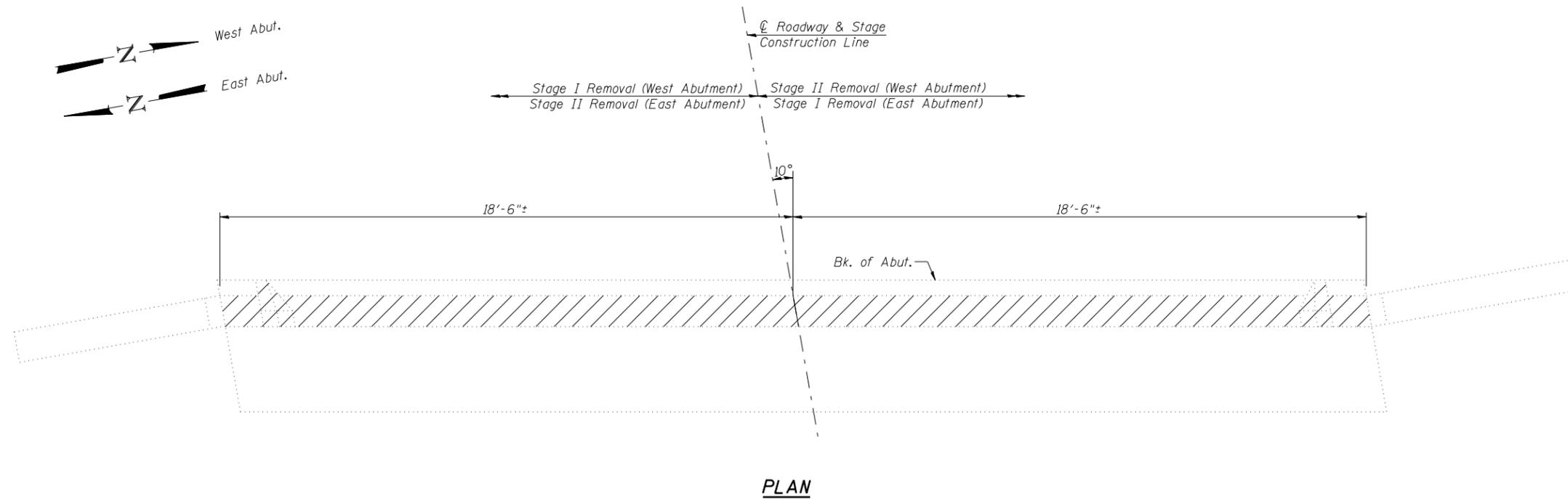
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS - 4
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10 17 SHEETS
F.A.P. 685	115 BR-1	HANCOCK	44	28	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #72A90



SECTION A-A
Dimensions at Rt. L's



BILL OF MATERIAL
(2 Abutments)

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	4.2

Notes:
Hatched areas indicate Concrete Removal.
Existing reinforcement shall be cleaned, straightened and incorporated into the new construction.

Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

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Date: 04/2007 File: 034-0061.dgn

REVISIONS	
NAME	DATE

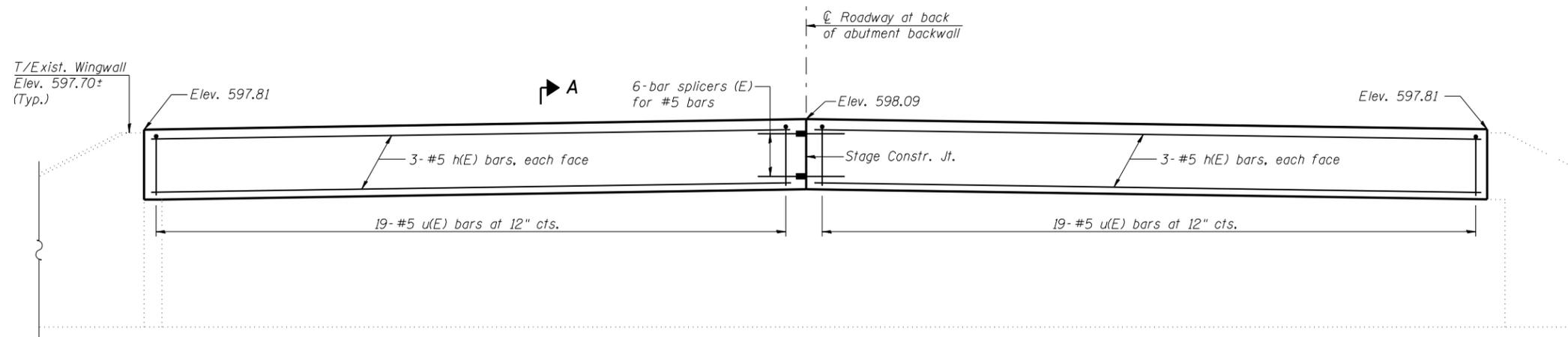
ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE REMOVAL
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

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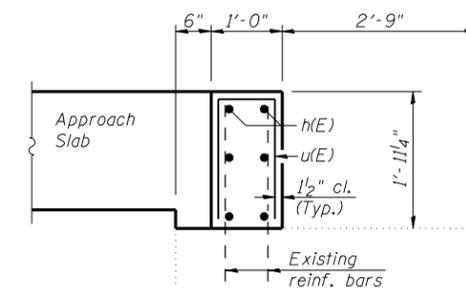
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7/2/2007

Contract #72A90

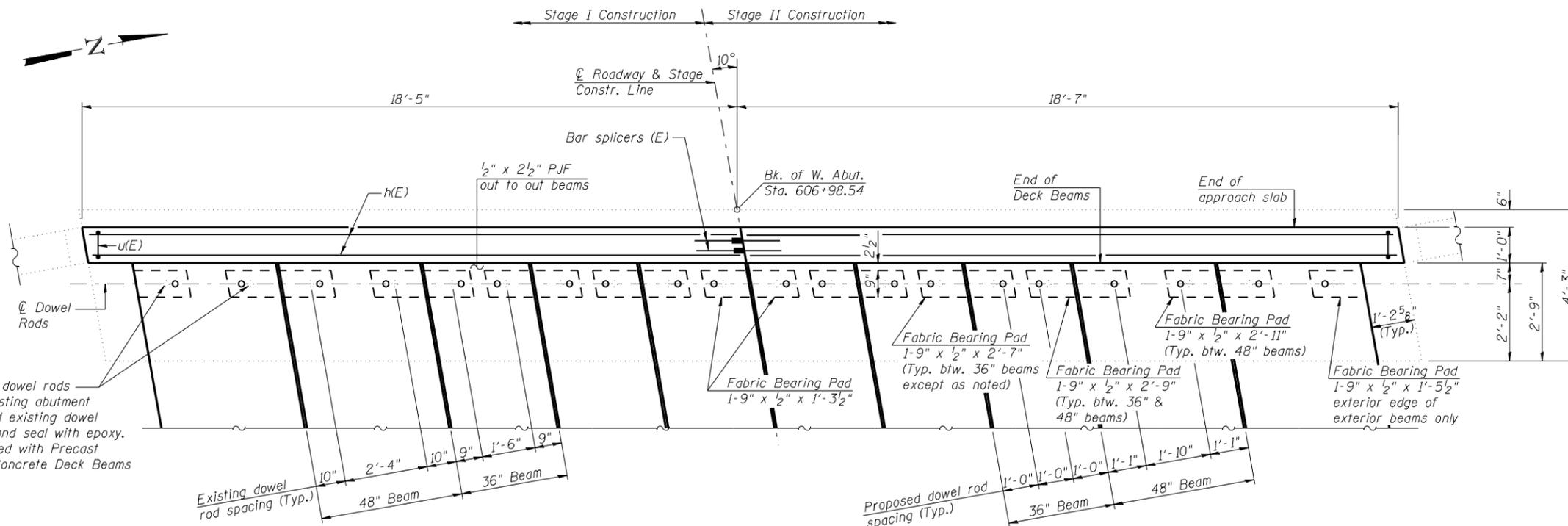


ELEVATION



SECTION A-A

(Dimensions at Rt. L's)



PLAN

(Concrete wearing surface and approach pavement not shown)

BILL OF MATERIAL

(West Abutment)

Bar	No.	Size	Length	Shape
h(E)	12	#5	18'-2"	—
u(E)	38	#5	4'-1"	□
Concrete Structures			Cu. Yd.	2.7
Reinforcement Bars, Epoxy Coated			Pound	390



BAR u(E)

Notes:
Concrete structures shown are to be poured after Concrete Wearing Surface is in place and cured.
See Sheet 9 of 17 for Fabric Bearing Pad Details.

REVISIONS

NAME	DATE

Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

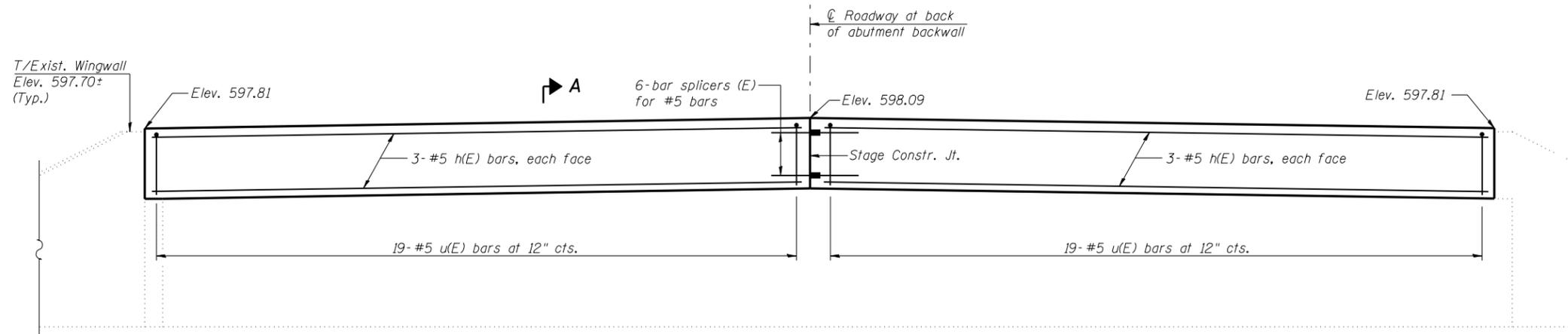
Designed By: DLS Checked By: MTH Drawn By: AJP
Date: 04/2007 File: 034-0061.dgn

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

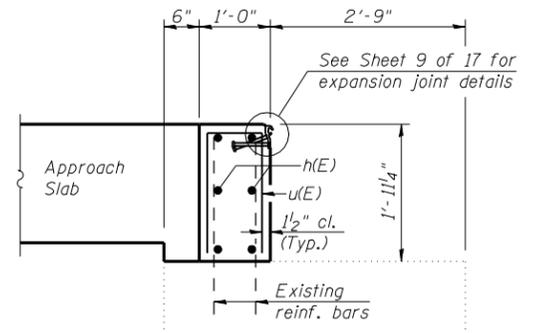
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12 17 SHEETS
F.A.P. 685	BR-1	HANCOCK	44	30	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

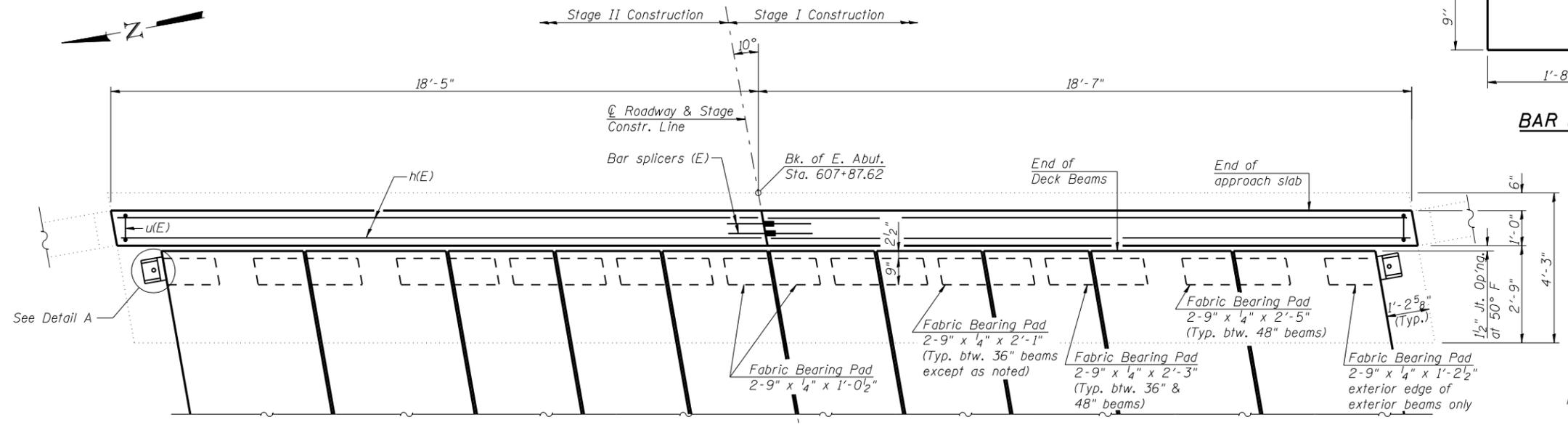
Contract #72A90



ELEVATION



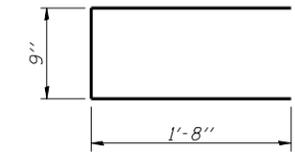
SECTION A-A
(Dimensions at Rt. L's)



PLAN

(Concrete wearing surface and approach pavement not shown)

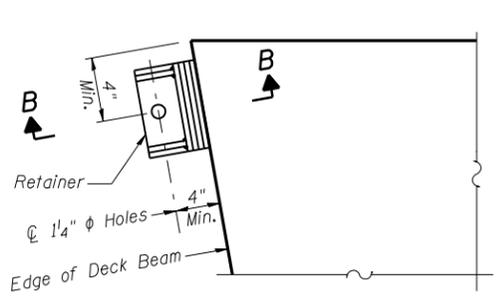
BAR u(E)



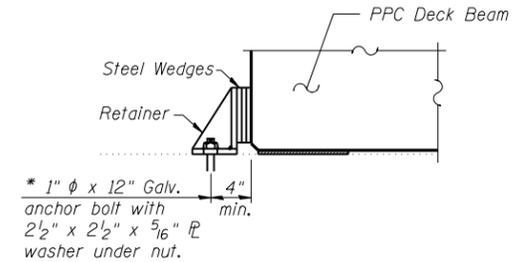
BILL OF MATERIAL
(East Abutment)

Bar	No.	Size	Length	Shape
h(E)	12	#5	18'-2"	—
u(E)	38	#5	4'-1"	□
Concrete Structures			Cu. Yd.	2.7
Reinforcement Bars, Epoxy Coated			Pound	390

Notes:
Anchor bolts shall be ASTM F1554 Grade 36 all-thread (or an Engineer-approved alternate material) of the diameter 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 shall be installed in holes drilled after beams have been erected and adjusted. Retainers shall be placed after bolts are installed. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. After concrete wearing surface is poured and cured the steel wedges shall be removed. Anchor bolts and retainers shall be left in place. Cost of retainers, anchor bolts, and accessories are included with Precast Prestressed Concrete Deck Beams (17" Depth). Concrete structures shown are to be poured after Concrete Wearing Surface is in place and cured. See Sheet 9 of 17 for Fabric Bearing Pad Details.

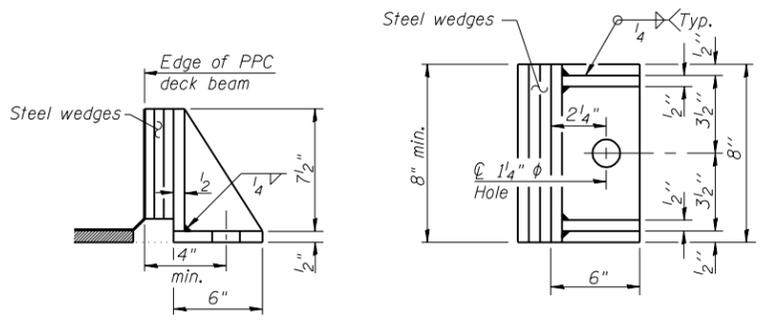


DETAIL A
(Retainer placement)



SECTION B-B

* Approved threaded rod shall be placed in drilled holes and grouted in place. Contractor has the option of using the existing 1" phi anchor bolts for retainer attachment, if they are determined to be in an acceptable condition by the Engineer. If the existing anchor bolts are not reused, they shall be cut off flush with the existing abutment surface, ground smooth and sealed with epoxy. Cost included with Precast Prestressed Concrete Deck Beams (17" Depth).



RETAINER

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

Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS
Date: 04/2007

Checked By: MTH
File: 034-0061.dgn

Drawn By: AJP

REVISIONS	
NAME	DATE

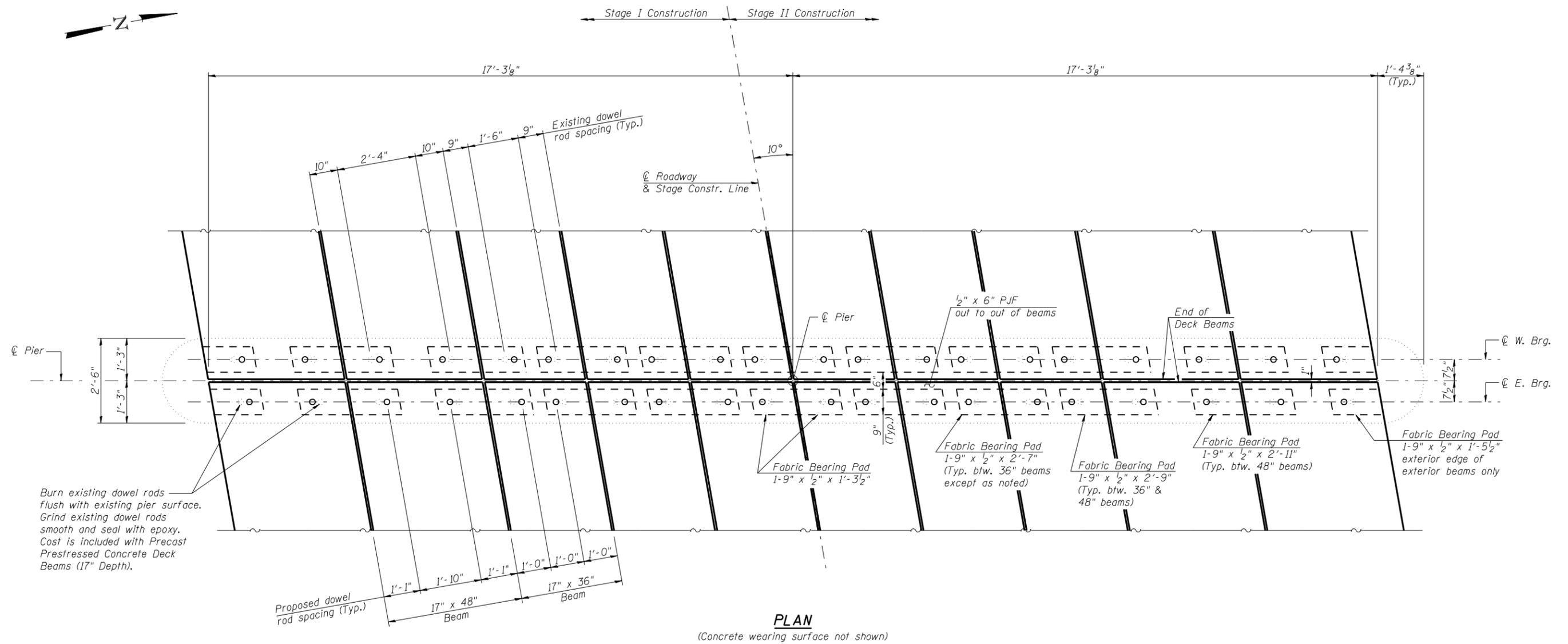
ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

7/2/2007 1:36:22 PM \$FILEABBREV\$

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 685	115 BR-1	HANCOCK	44	31
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 13
17 SHEETS

Contract #72A90



PLAN
(Concrete wearing surface not shown)

Notes:
See sheet 9 of 17 for fabric bearing pad details.

\$FILEABBREV\$

1:36:27 PM

7/2/2007

Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS
Checked By: MTH
Date: 04/2007

Drawn By: AUF
File: 034-0061.dgn

REVISIONS	
NAME	DATE

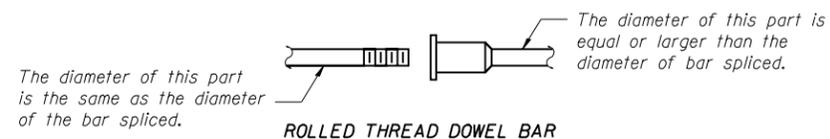
ILLINOIS DEPARTMENT OF TRANSPORTATION
PIERS
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

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:

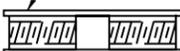
- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_l$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_l$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_l = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	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



**** ONE PIECE**

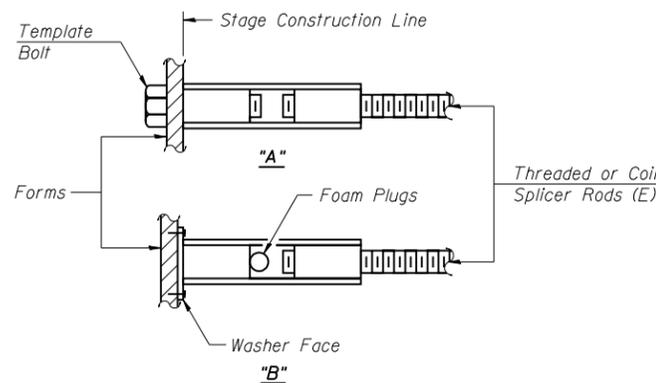
Wire Connector



WELDED SECTIONS

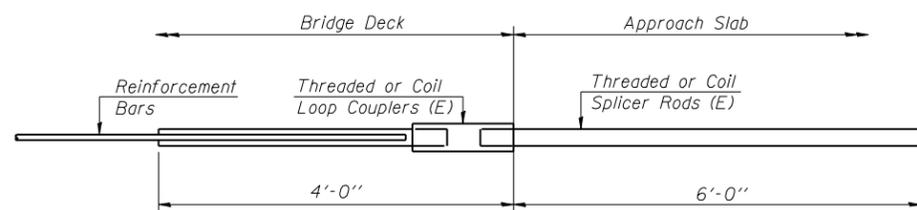
BAR SPLICER ASSEMBLY ALTERNATIVES

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



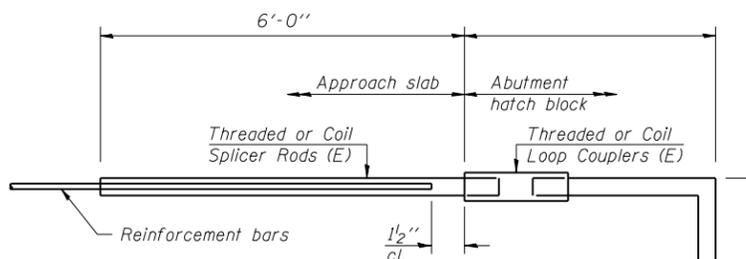
INSTALLATION AND SETTING METHODS

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



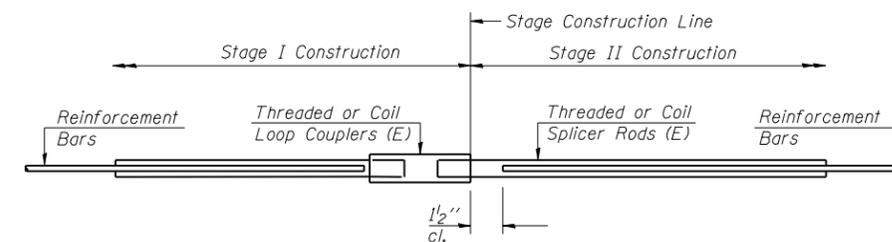
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 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 =



STANDARD

Bar Size	No. Assemblies Required	Location
#4	86	Deck
#5	12	Abutments

ILLINOIS DEPARTMENT OF TRANSPORTATION
BAR SPLICER ASSEMBLY DETAILS
 IL ROUTE 9 OVER
 CAMP CREEK
 F.A.P. ROUTE 685 - SECTION 115 BR-1
 HANCOCK COUNTY
 STA. 607+43.00
 STRUCTURE NO. 034-0061

REVISIONS

NAME	DATE

Lin Engineering, Ltd.
 Consulting Engineers
 Chatham, Illinois

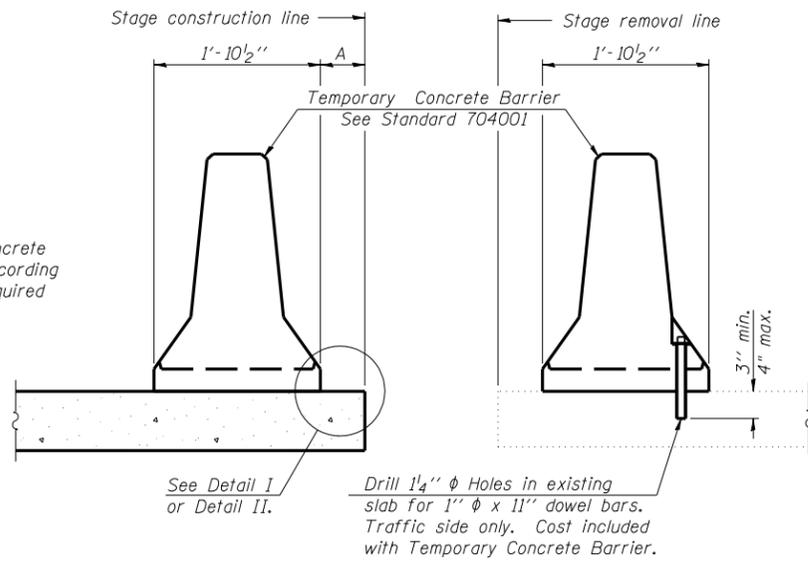
Designed By: DLS Checked By: MTH Drawn By: AJP
 Date: 04/2007 File: 034-0061.dgn

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 685	115 BR-1	HANCOCK	44	33
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 15
17 SHEETS

Contract #72A90



NEW SLAB

EXISTING SLAB

SECTIONS THRU SLAB

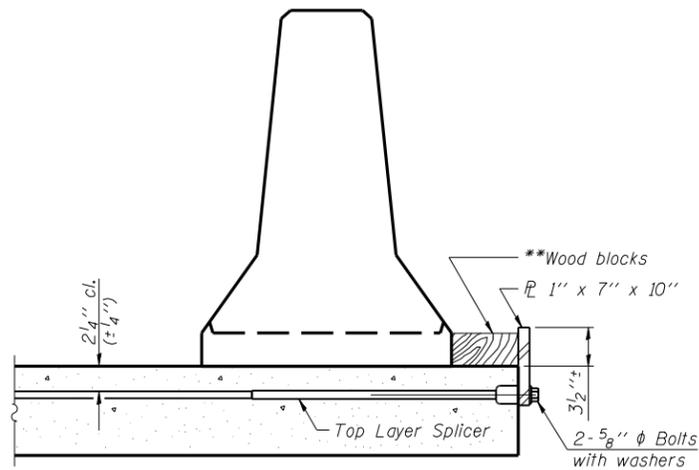
When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

NOTES

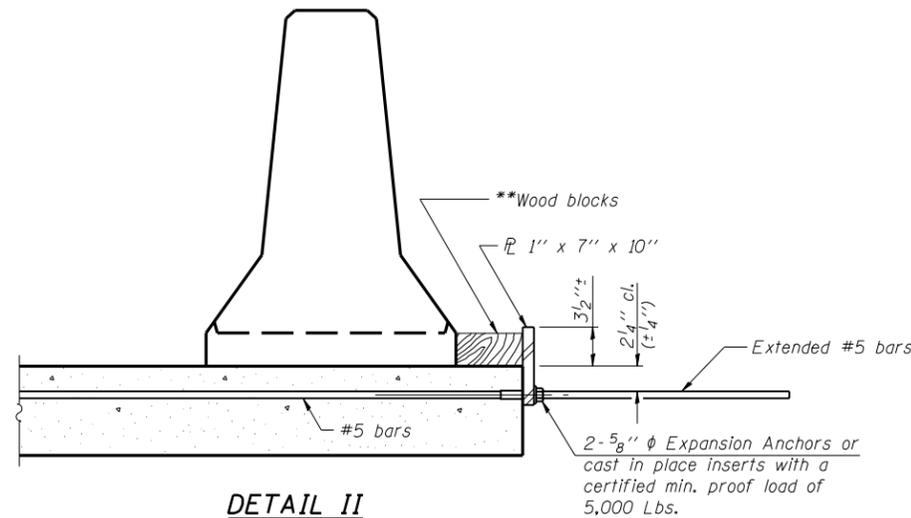
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate CL of each barrier panel.

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

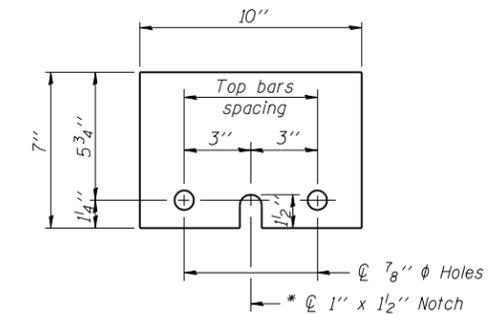


DETAIL I



DETAIL II

** 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.



STEEL RETAINER PL 1" x 7" x 10"

* Required only with Detail II

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7/2/2007

R-27

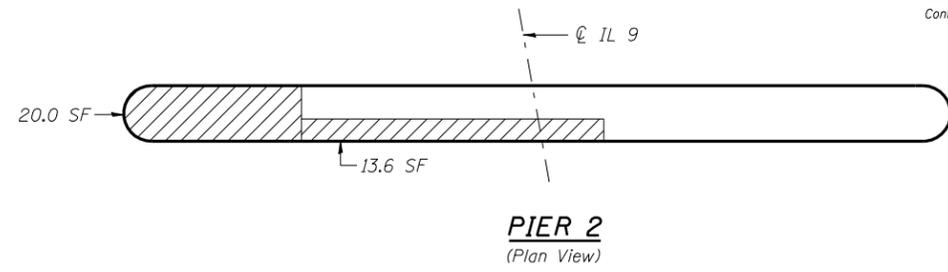
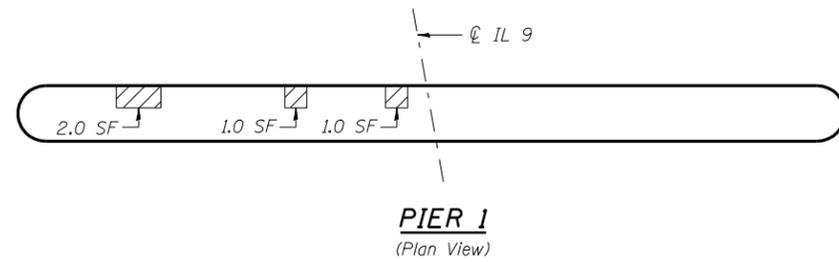
11-1-06

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Consulting Engineers
Chatham, Illinois

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Date: 04/2007 File: 034-0061.dgn

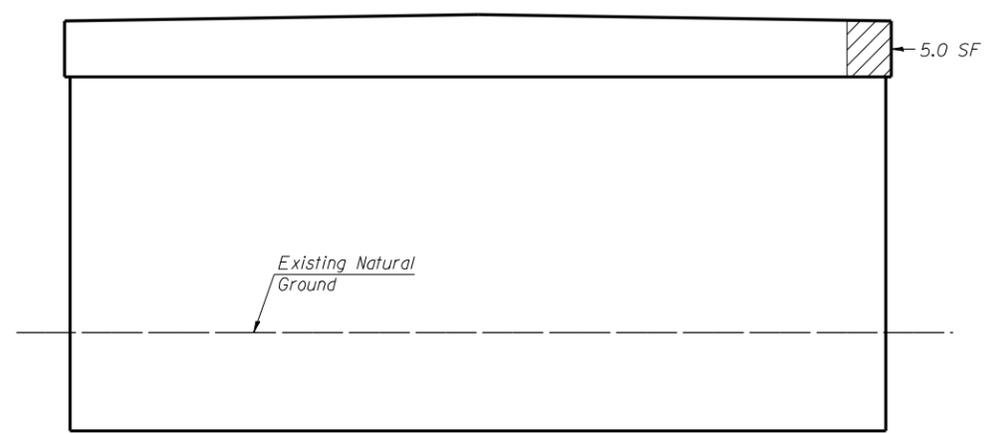
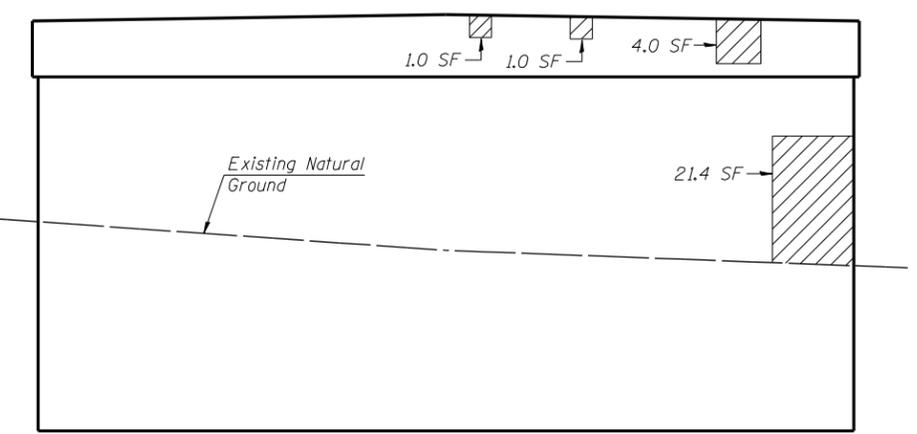
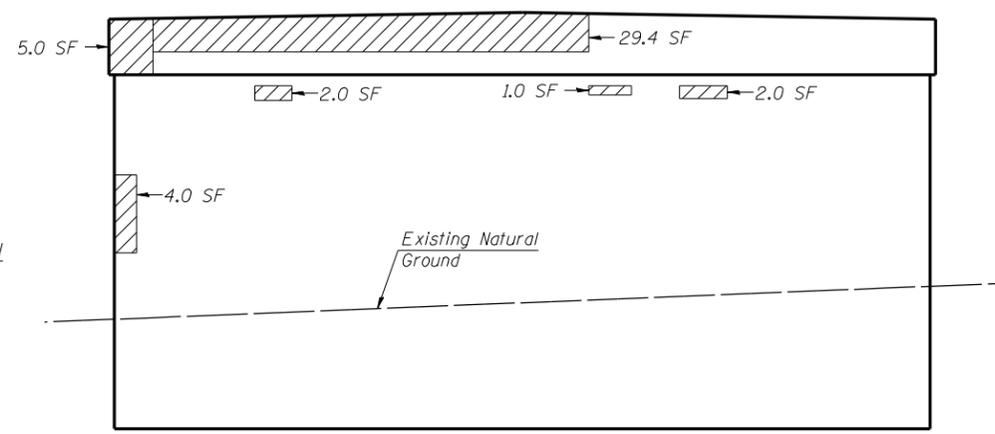
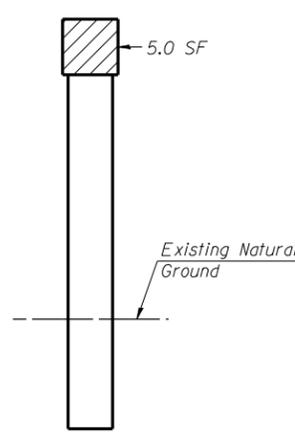
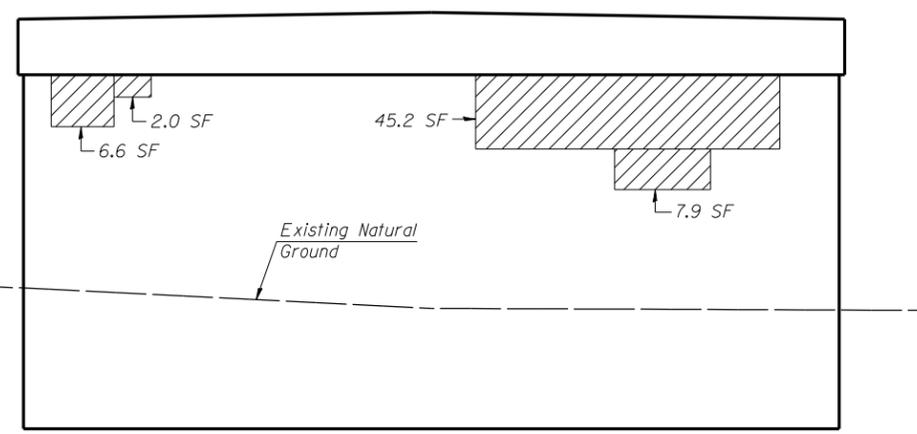
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061



LEGEND

Structural Repair of Concrete
(Depth equal to or less than 5 in.)



BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth equal to or less than 5 in.)	Sq. Ft.	180.1

Notes:
The quantities shown are for estimating purposes only. Area to be repaired will be determined by the Engineer at the time of Construction. Actual repair locations shall be shown on the as-built plans.

REVISIONS

NAME	DATE

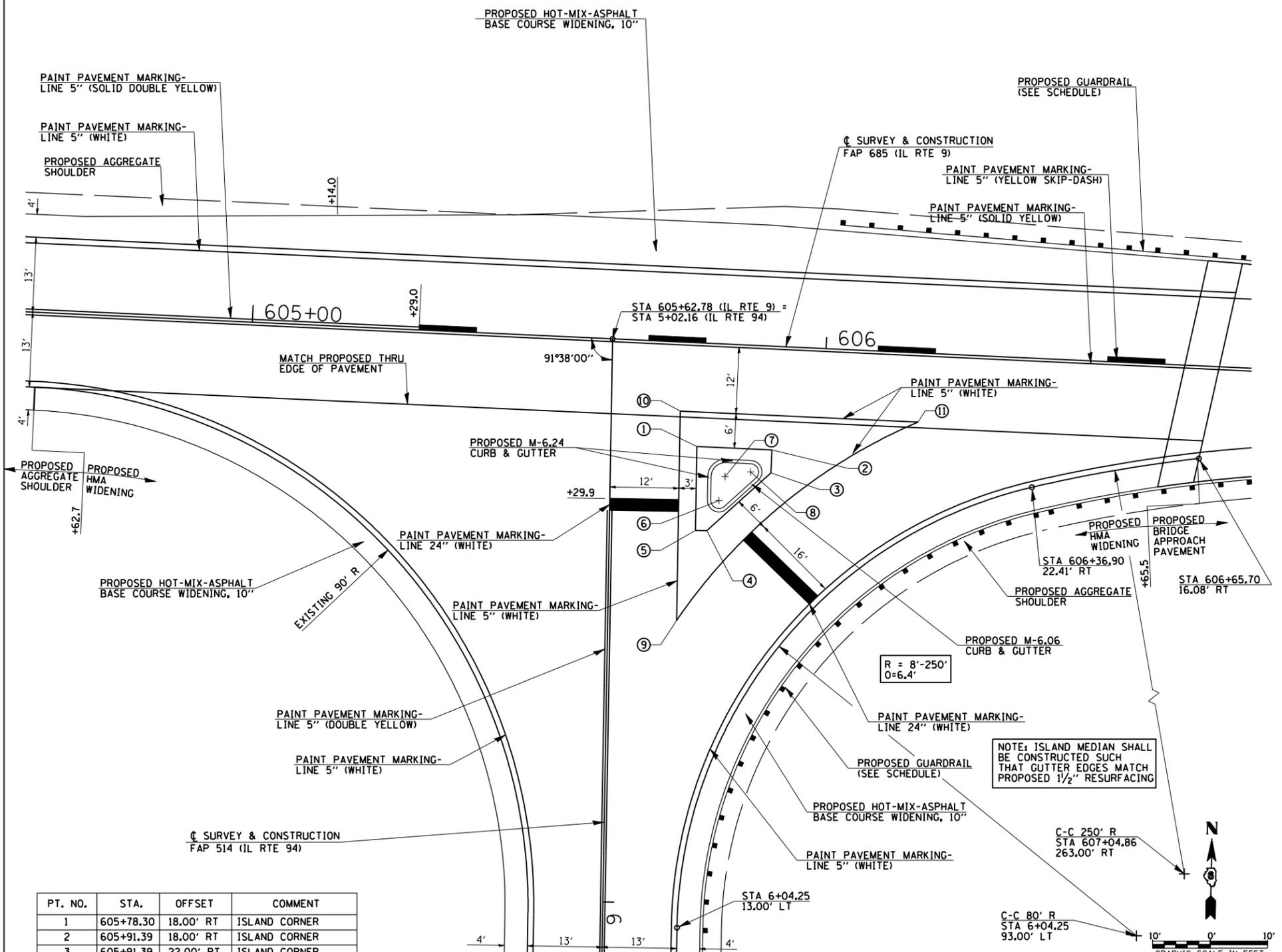
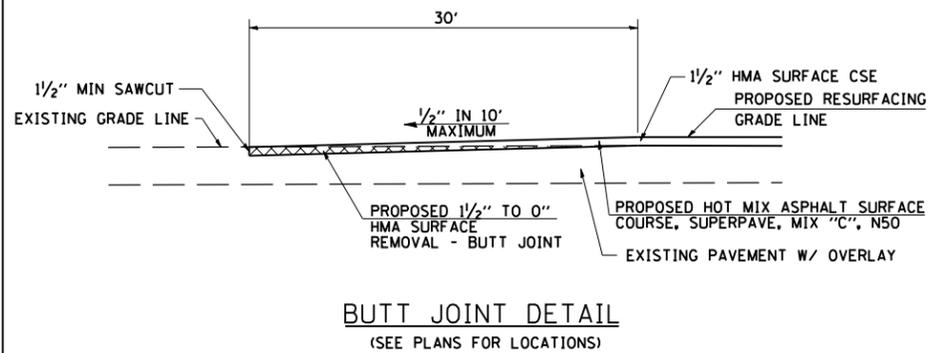
Lin Engineering, Ltd.
Consulting Engineers
Chatham, Illinois

Designed By: DLS Checked By: MTH Drawn By: AUF
Date: 04/2007 File: 034-0061.dgn

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE REPAIR
IL ROUTE 9 OVER
CAMP CREEK
F.A.P. ROUTE 685 - SECTION 115 BR-1
HANCOCK COUNTY
STA. 607+43.00
STRUCTURE NO. 034-0061

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	44	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PT. NO.	STA.	OFFSET	COMMENT
1	605+78.30	18.00' RT	ISLAND CORNER
2	605+91.39	18.00' RT	ISLAND CORNER
3	605+91.39	22.00' RT	ISLAND CORNER
4	605+80.71	32.54' RT	ISLAND CORNER
5	605+78.71	32.60' RT	ISLAND CORNER
6	605+82.56	27.21' RT	CTR 2' R
7	605+83.44	23.00' RT	CTR 3' R
8	605+87.83	22.00' RT	CTR 2' R
9	605+76.16	48.36' RT	STRIPE CORNER
10	605+75.12	12.00' RT	STRIPE CORNER
11	606+16.57	12.00' RT	STRIPE CORNER

IL9/IL94 INTERSECTION DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

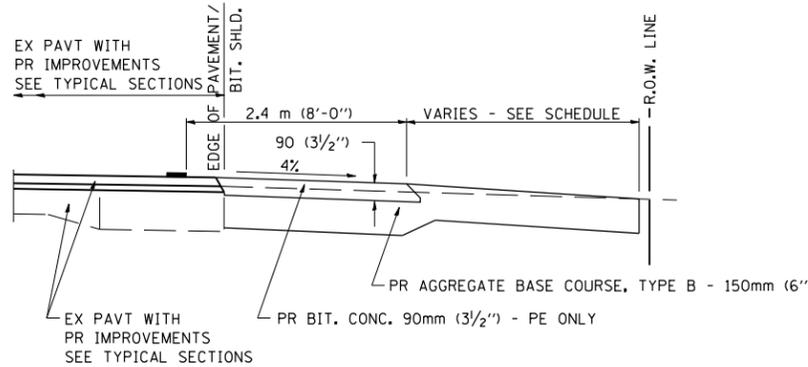
SPECIAL DETAILS

DATE 05/05/07

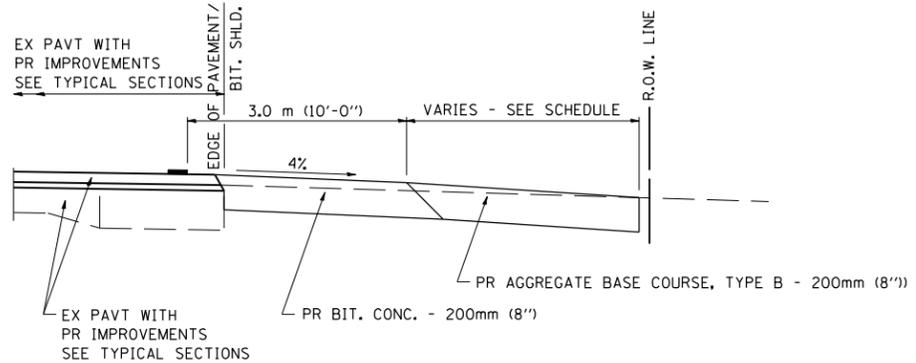
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CHECKED BY JRB

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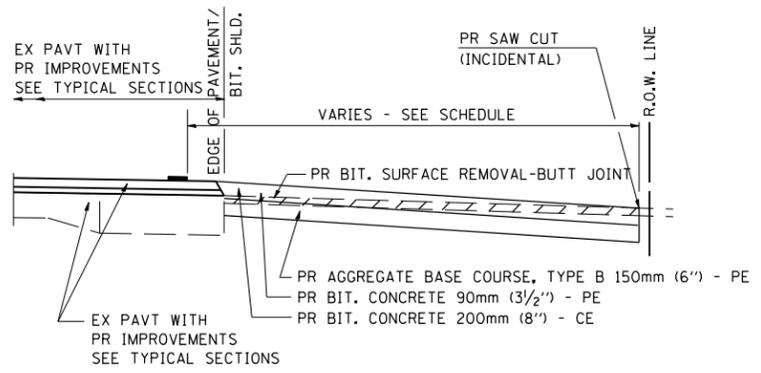
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



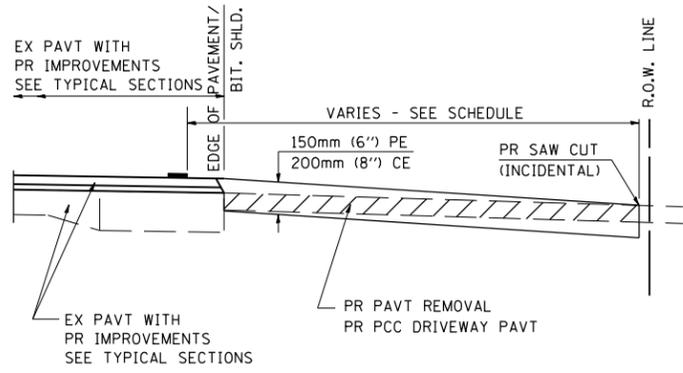
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



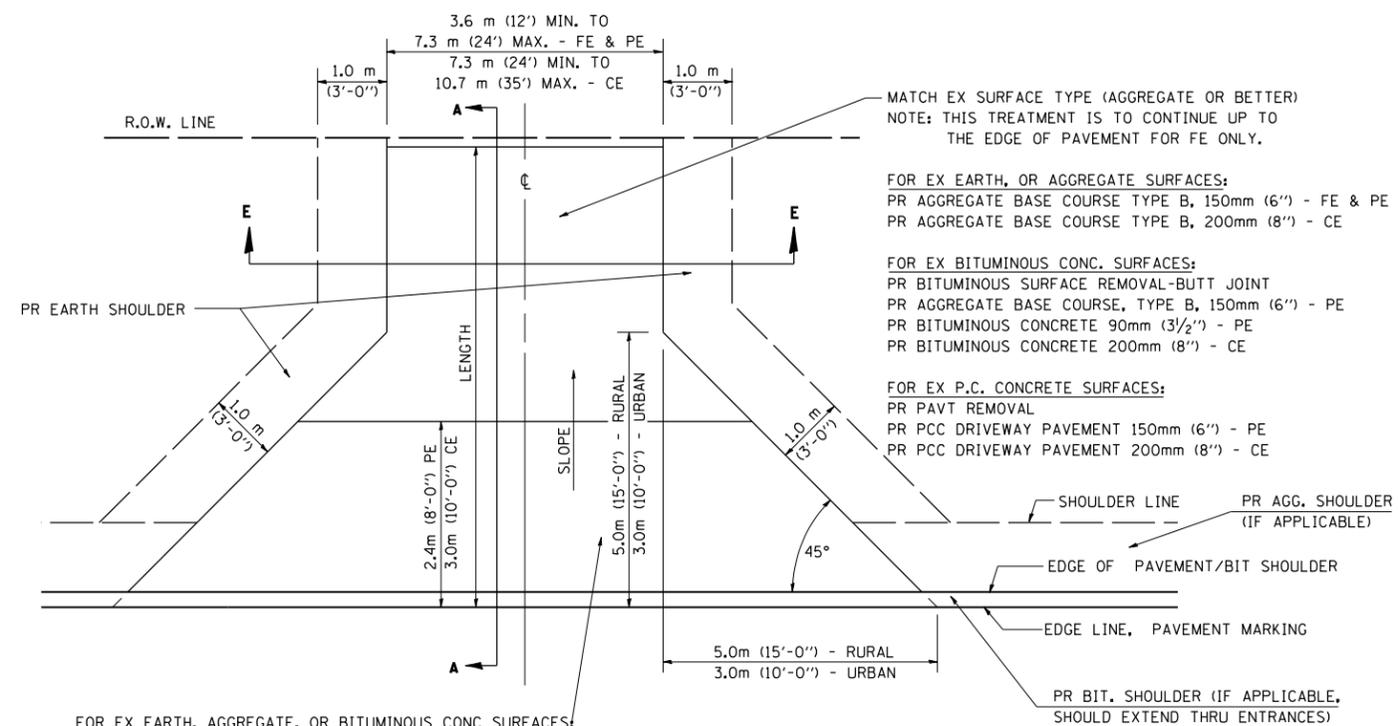
SECTION A-A FOR EX EARTH/AGGREGATE CE



SECTION A-A FOR EX BITUMINOUS PE & CE



SECTION A-A FOR EX P.C. CONC. PE & CE



FOR EX EARTH, AGGREGATE, OR BITUMINOUS CONC SURFACES:
 PR BIT SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)
 PR AGGREGATE BASE COURSE TYPE B 150mm (6") - FE
 PR AGGREGATE BASE COURSE TYPE B, 150mm (6") &
 PR BITUMINOUS CONCRETE 90mm (3/2") - PE
 PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR P.C. CONCRETE SURFACES:
 PR PAVT REMOVAL
 PR PCC DRIVEWAY PAVT 150mm (6") - PE
 PR PCC DRIVEWAY PAVT 200mm (8") - CE

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

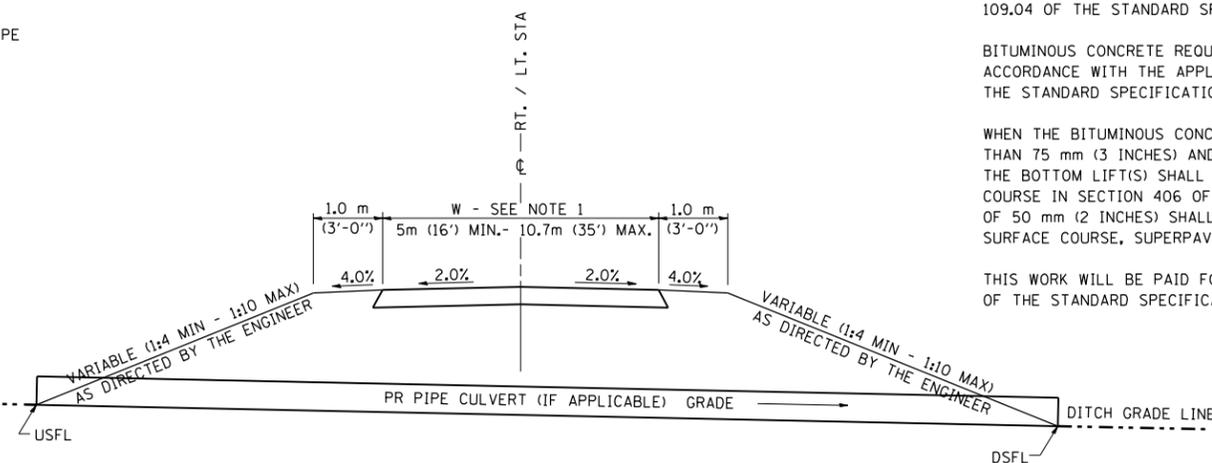
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

REVISIONS	
NAME	DATE
JCN	2/19/03
JCN	4/01/04

SHEET 1 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL / URBAN
ENTRANCE & MAILBOX TURNOUT
W/O CONCRETE GUTTER
(3R - PROJECTS)

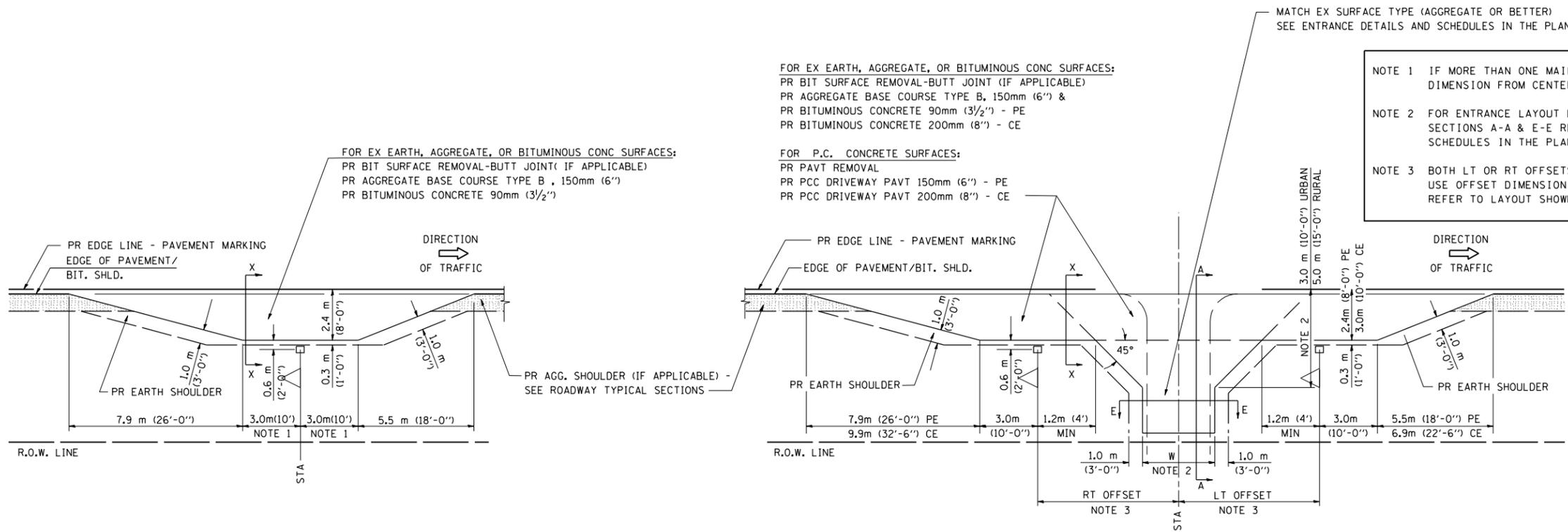
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 DATE: FEBRUARY 23, 1999

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 CHECKED BY: JCN

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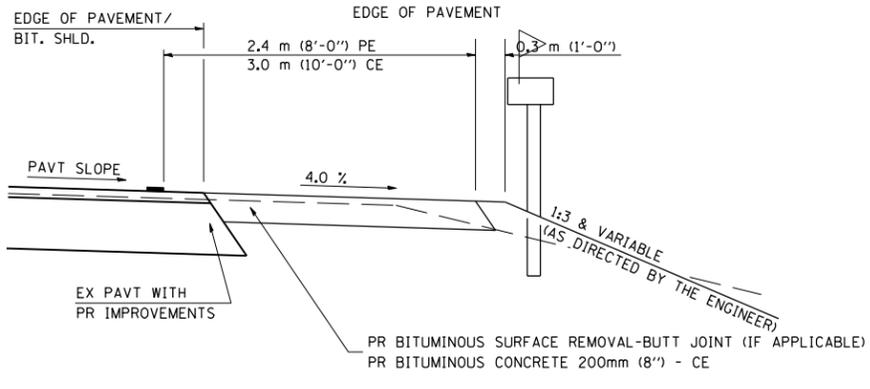
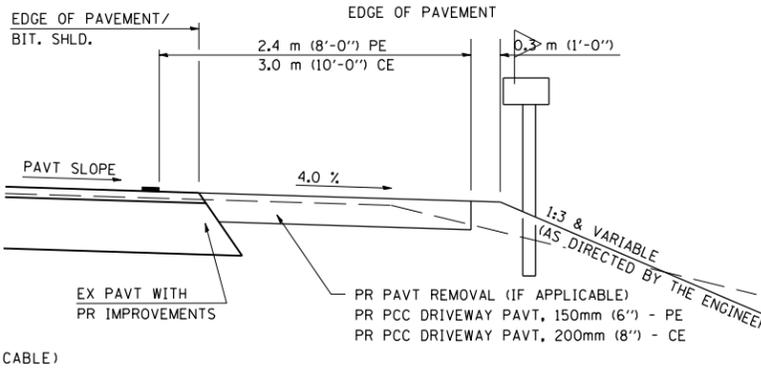
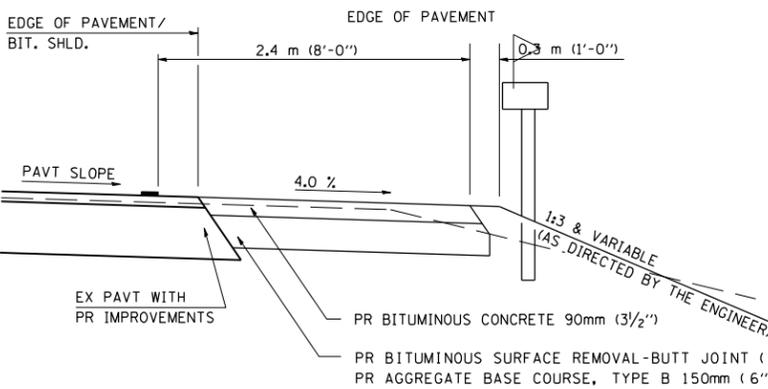
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685	115(BR-1)	HANCOCK	44	38
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



REVISIONS	
NAME	DATE
JCN	2/19/03
JCN	4/01/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT SIX
DETAILS FOR RURAL / URBAN
ENTRANCE & MAILBOX TURNOUT
W/ O CONCRETE GUTTER
(3R - PROJECTS)

SCALE: VERT. _____
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 DATE: FEBRUARY 23, 1999

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 600+50.00		TO STA. 602+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

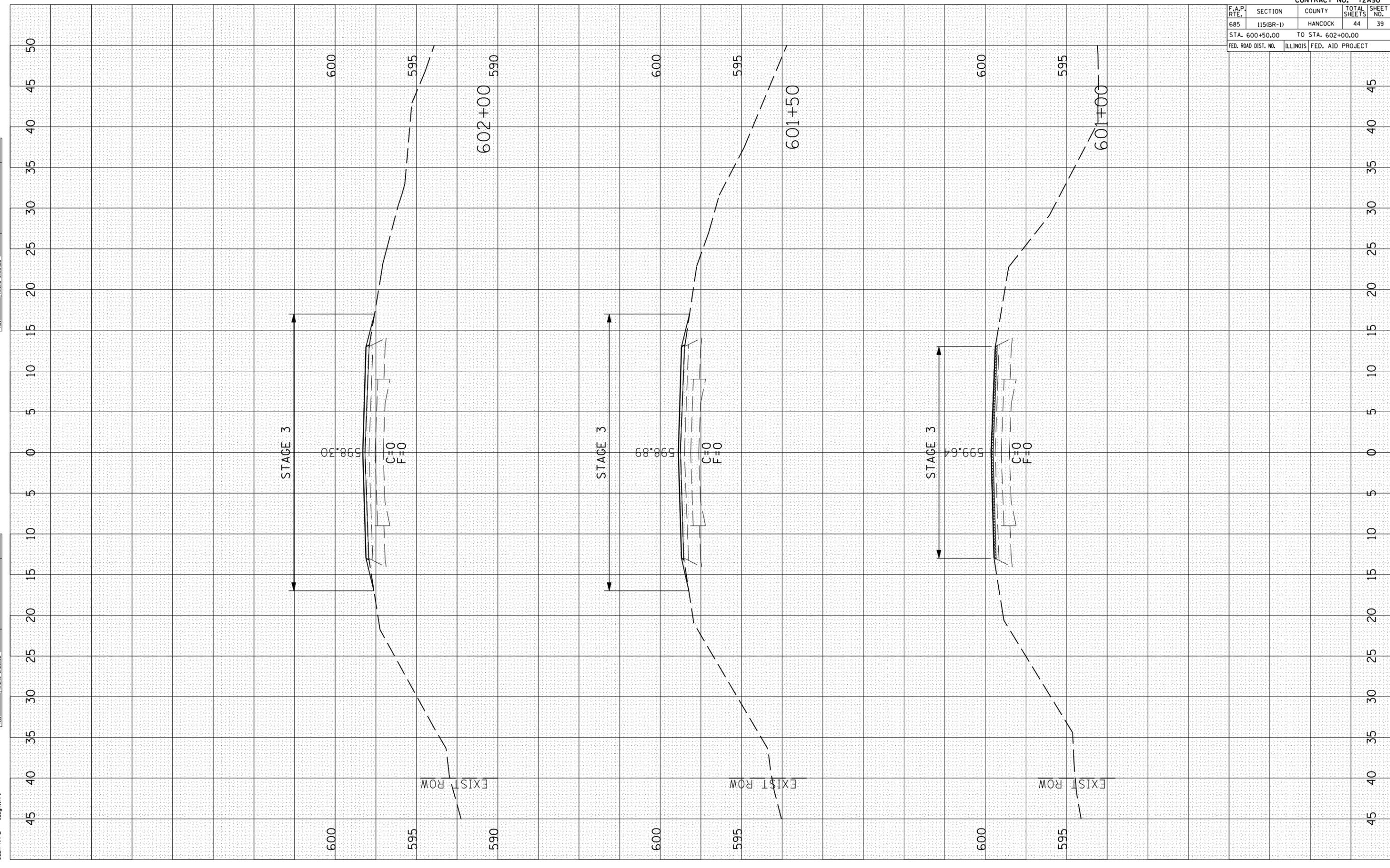
BY	DATE

NO.	AREAS CHECKED

BY	DATE

NO.	AREAS CHECKED

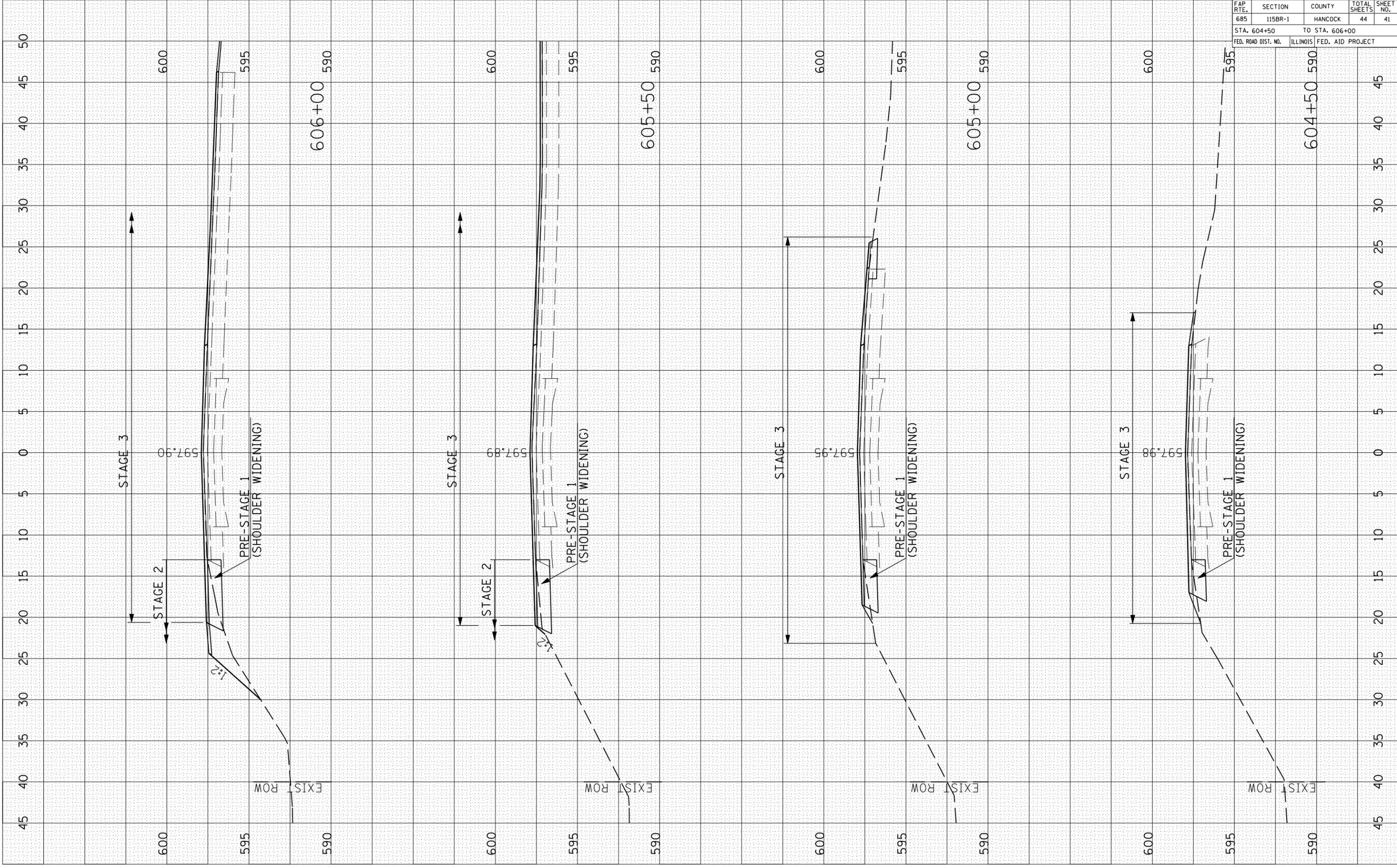
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NO.		

FINAL SURVEY	SURVEYED	DATE
NO.		

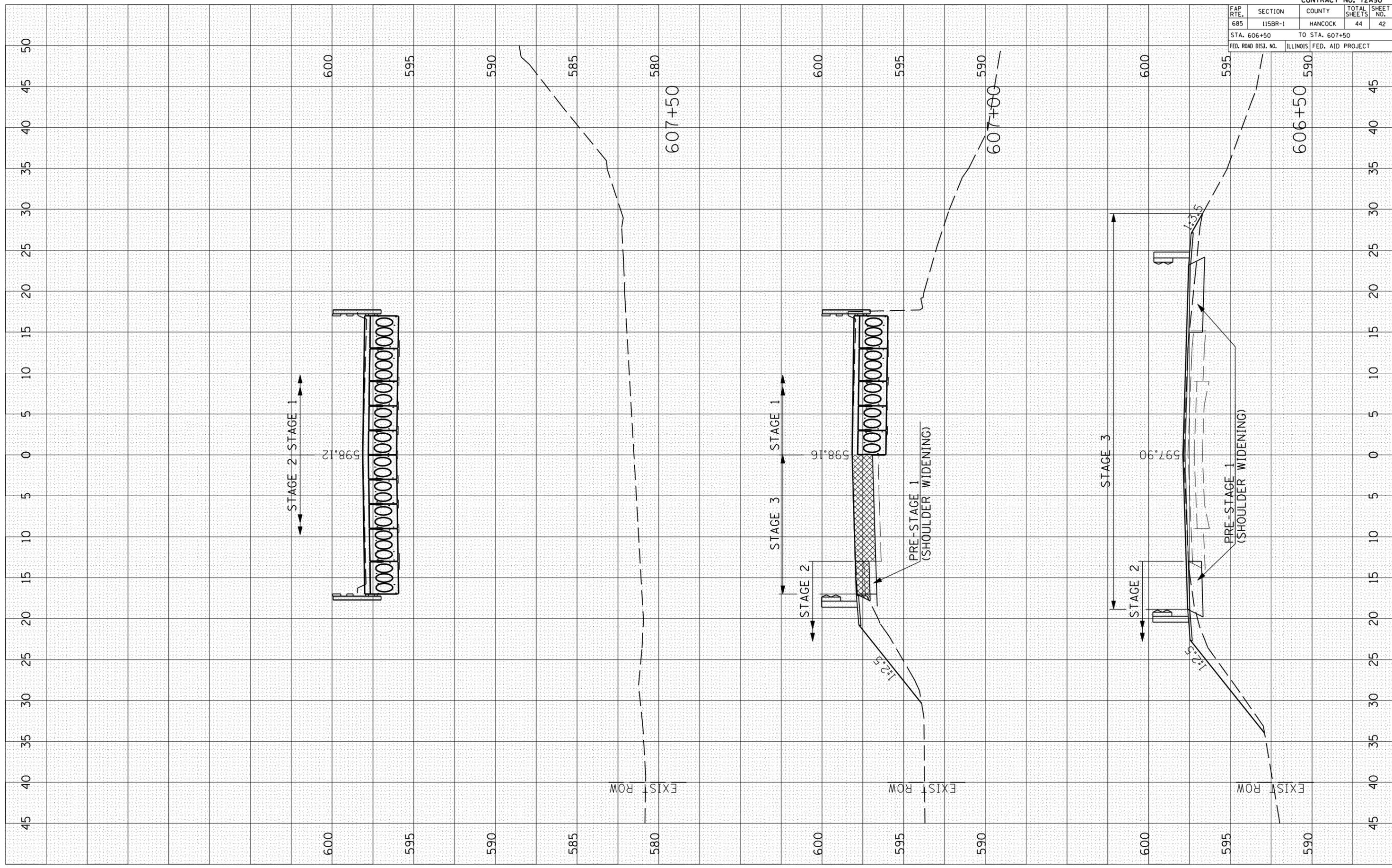


CONTRACT NO. 72A90				
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 604+50		TO STA. 606+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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NO.			

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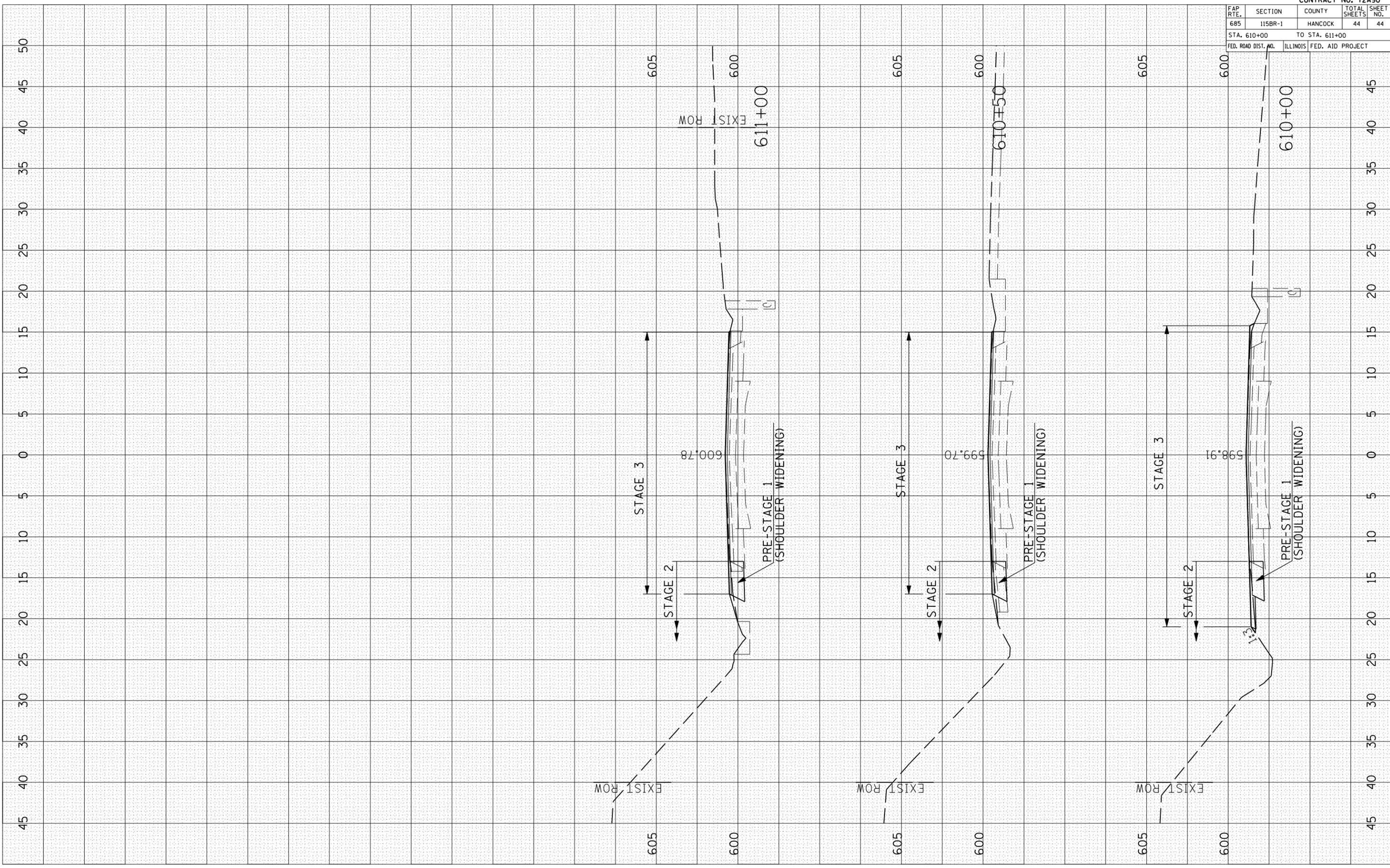


CONTRACT NO. 72A90				
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STA. 606+50		TO STA. 607+50		
FED. ROAD DISJ. NO.	ILLINOIS	FED. AID PROJECT		

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 PLOT SCALE : 1/8"=1'-0"
 USER NAME : laughlin-1

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	NO.		

FINAL SURVEY	SURVEYED	BY	DATE
NO.	NO.		



CONTRACT NO. 72A90				
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115BR-1	HANCOCK	44	44
STA. 610+00		TO STA. 611+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	