

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	1

+1
41

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

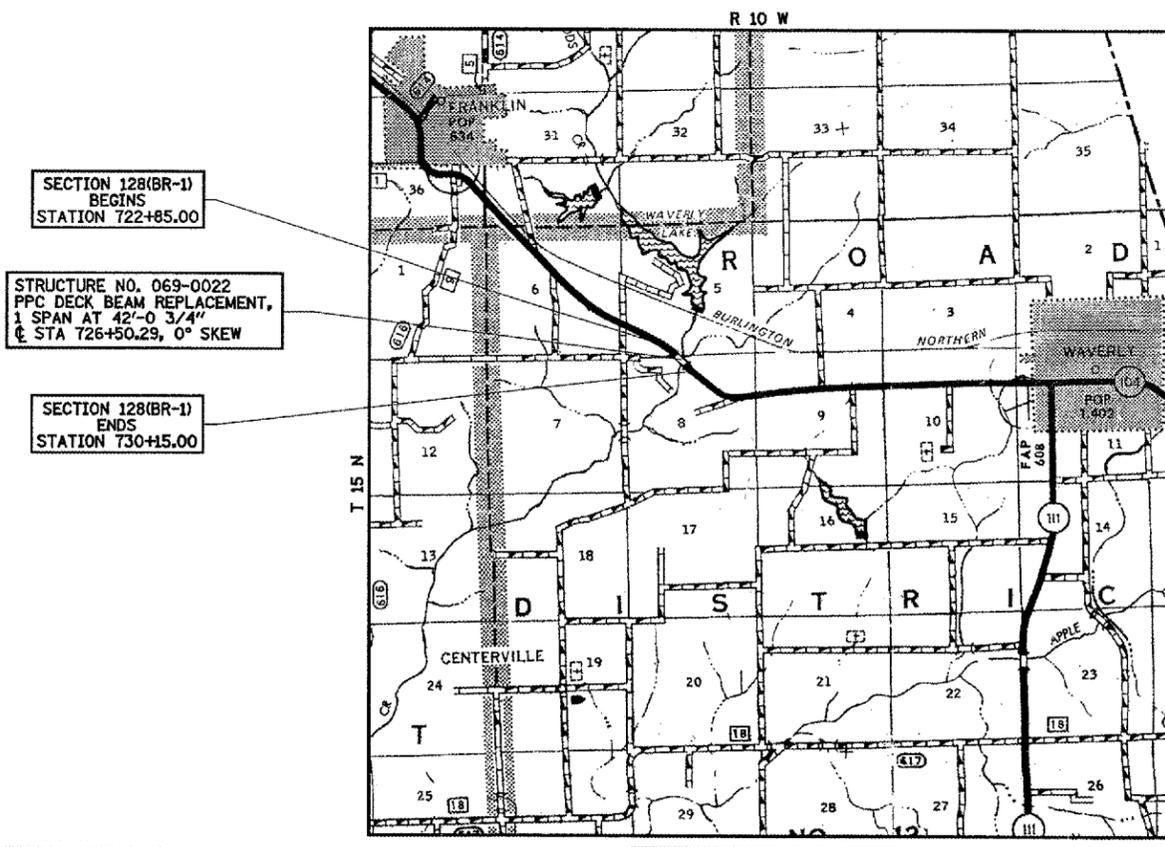
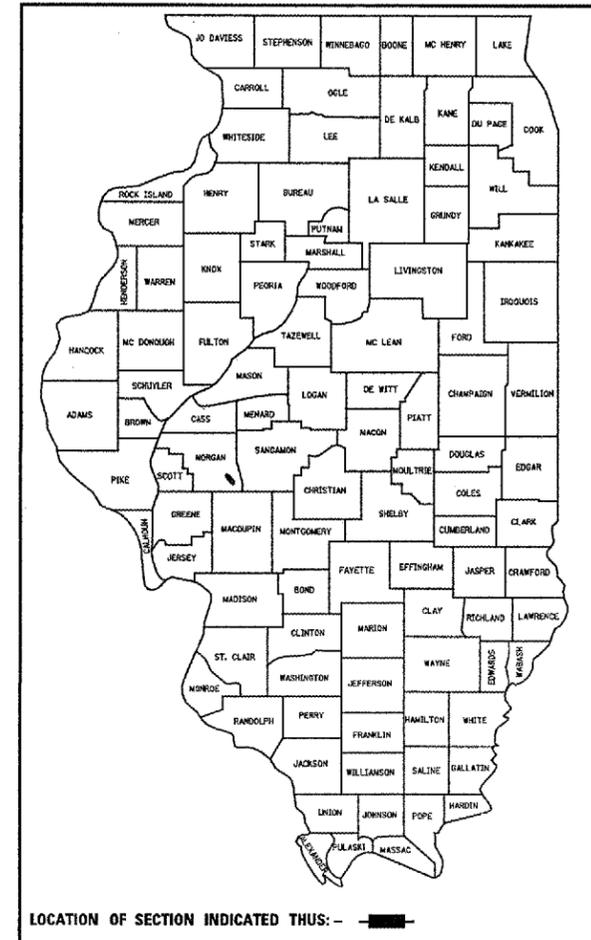
PROPOSED BRIDGE DECK REPLACEMENT PLANS

FAP ROUTE 753 (IL 104) OVER WOODS CREEK
SECTION 128(BR-1)
PROJECT: BHF-0753(032)
MORGAN COUNTY
C-96-539-07

INDEX OF SHEETS

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- *17A. TEMPORARY BRIDGE TRAFFIC SIGNAL LOOP PLACEMENT DETAIL

D-96-517-07



SECTION 128(BR-1)
BEGINS
STATION 722+85.00

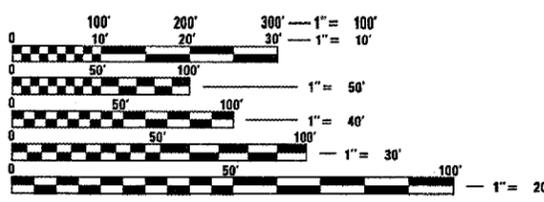
STRUCTURE NO. 069-0022
PPC DECK BEAM REPLACEMENT,
1 SPAN AT 42'-0 3/4"
@ STA 726+50.29, 0° SKEW

SECTION 128(BR-1)
ENDS
STATION 730+15.00

0 1 2 MILES
APPROXIMATE SCALE 1" = 0.67 MILES

DESIGN DESIGNATION
ILLINOIS ROUTE 104
MINOR ARTERIAL, (NON-URBAN)
ADT = 3,550 (2027)
% SU = 6
% MU = 3

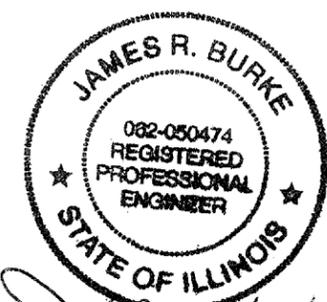
TOTAL LENGTH OF PROJECT = 730.00 FEET = 0.138 MILES
NET LENGTH OF PROJECT = 730.00 FEET = 0.138 MILES



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

CONTRACT NO. 72A89



James R. Burke 6/28/07
Exp 11/30/07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *June 29, 2007*
Chris M. Reed
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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

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

Hutchison Engineering, Inc.
JACKSONVILLE
SHOREWOOD
SINCE 1945

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER JOHN NEGANDARD (217) 782-6390
SQUAD LEADER VINCE MADONIA (217) 785-9046

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	112BR-1	MORGAN	40	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)	0.00038 TON/SQUARE YARD (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON/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	INCIDENTAL HMA SURFACE	HMA SURFACE COURSE	LEVELING BINDER	HMA SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN A/R VOIDS	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50	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	IL-9.5 OR 12.5	IL-9.5	BAM
FRICITION AGGREGATE	N/A	N/A	MIX "C"	MIX "C"	MIX "C"	N/A	N/A

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

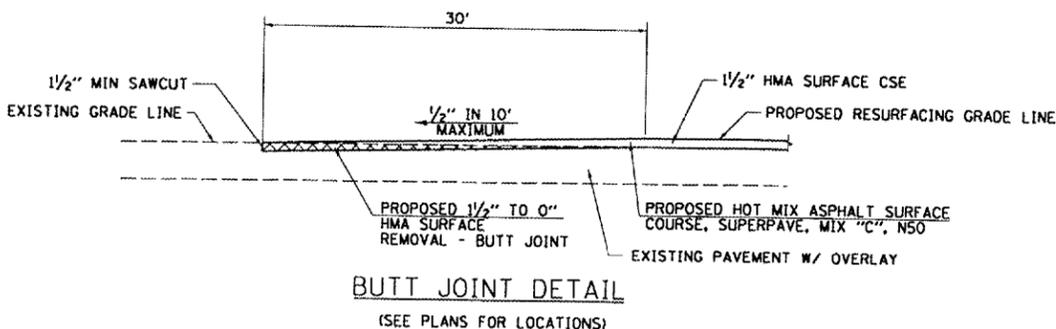
KNOWN UTILITIES LOCATION WITHIN THE LIMITS OF THIS IMPROVEMENT ARE:

- AMEREN CIPS
- VERIZON NORTH, INC.
- PANHANDLE EASTERN PIPELINE
- MEDIACOM
- ATMOS ENERGY
- CITY OF WAVERLY

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	June 25 20 07
<i>Louis J. Hoar</i>	
OPERATIONS ENGINEER	
EXAMINED	June 25 20 07
<i>W.B.F.</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED	June 20 20 07
<i>W.B.F.</i>	
PROGRAM DEVELOPMENT ENGINEER	



STANDARDS

- 000001-04
- 280001-03
- 420401-05
- 515001-02
- 542401
- 606001-03
- 610001-03
- 630001-07
- 630301-04
- 631032-03
- 635006-02
- 635001-01
- 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
- 886001
- 886006

LEGEND

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND LEGEND

DATE 04/05/07

DRAWN BY JCW
CHECKED BY JRB

Rev.

80% FED.
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
X0323665	RIPRAP SLURRY	SQ YD	55	55	
X0324744	REMOVAL OF EXISTING PRECAST CONCRETE UNITS	SQ FT	449		449
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	38		38
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1	
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	205		205
XX005519	STONE DUMPED RIPRAP, CLASS A4 (SPECIAL)	TON	787	787	
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	22		22
Z0023600	FILLING EXISTING CULVERTS	EACH	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	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE: 02/28/07

DRAWN BY JCW
CHECKED BY JRB

Rev.

80% FED.
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	51	51	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	72	72	
20200100	EARTH EXCAVATION	CU YD	40	40	
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	13	13	
20400800	FURNISHED EXCAVATION	CU YD	106	106	
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
25100115	MULCH, METHOD 2	ACRE	0.5	0.5	
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ. YD	700	700	
28000400	PERIMETER EROSION BARRIER	FOOT	1010	1010	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	22	22	
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	467	467	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2	2	
40600300	AGGREGATE (PRIME COAT)	TON	4	4	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	30	30	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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CHECKED BY JRB

DATE: 02/28/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*80% FED.
20% STATE*

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	397	397	
40600990	TEMPORARY RAMP	SQ YD	53	53	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	153	153	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7	7	
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	170	170	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	34	34	
44000100	PAVEMENT REMOVAL	SQ YD	204	204	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	16	16	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	19	19	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE: 02/28/07
DRAWN BY JCM
CHECKED BY JRB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	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
50102400	CONCRETE REMOVAL	CU YD	1.5		1.5
50300225	CONCRETE STRUCTURES	CU YD	2.1		2.1
50300260	BRIDGE DECK GROOVING	SQ YD	145		145
50300300	PROTECTIVE COAT	SQ YD	214		214
50400105	PRECAST CONCRETE BRIDGE SLAB	SQ FT	449		449
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1388		1388
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3240		3240
50800515	BAR SPLICERS	EACH	173		173
50901050	STEEL RAILING, TYPE SM	FOOT	206		206
51500100	NAME PLATES	EACH	1		1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE: 02/28/07
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CHECKED BY JRB

SUMMARY OF QUANTITIES

80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
52000110	PREFORMED JOINT STRIP SEAL	FOOT	33		33
54215547	METAL END SECTIONS, 12"	EACH	2	2	
60100945	PIPE DRAINS, 12"	FOOT	12	12	
60500060	REMOVING INLETS	EACH	1	1	
60602500	CONCRETE GUTTER, TYPE A	FOOT	376	376	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	251	251	
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	2	2	
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	350	350	
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4	

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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DATE: 02/28/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	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
63200310	GUARDRAIL REMOVAL	FOOT	617	617	
64200105	SHOULDER RUMBLE STRIP	FOOT	1254	1254	
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	73	73	

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

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SUMMARY OF QUANTITIES

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				I000	X080
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	5833	5833	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2503	2503	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	370	370	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	370	370	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	2920	2920	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	10	10	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1217	1217	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10	

* SPECIALTY ITEM

REVISIONS	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	11
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

AGGREGATE SHOULDERS, TYPE B

STATION TO STATION	SIDE	AGGREGATE SHOULDERS, TYPE B TON
722+85.0	725+98.8 RT	11.2
724+63.8	725+98.8 LT	4.8
TOTAL		15.6
USE		16

ESTIMATED QUANTITIES

ITEMS	UNIT	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15)
THE FOLLOWING ITEMS INCLUDE ESTIMATED QUANTITIES FOR THE REMOVAL OF VARIOUS DIAMETER TREES			
TREE REMOVAL - 6"	UNIT	6	-
TREE REMOVAL - 8"	UNIT	8	-
TREE REMOVAL - 10"	UNIT	10	-
TREE REMOVAL - 12"	UNIT	12	-
TREE REMOVAL - 15"	UNIT	15	-
TREE REMOVAL - 18"	UNIT	-	18
TREE REMOVAL - 24"	UNIT	-	24
TREE REMOVAL - 30"	UNIT	-	30
TOTAL		51	72

HMA SHOULDER & WIDENING SCHEDULE

STATION TO STATION	SIDE	HMA BASE COURSE WIDENING, 10"	HMA SHOULDERS	SHOULDER RUMBLE STRIPS
		SO YD	TON	FOOT
722+85.0	725+00.0 LT & RT	156.4	6.6	430.0
725+00.0	725+98.8 LT & RT	98.8	3.2	197.6
727+01.8	728+31.0 LT & RT	71.8	5.1	258.4
728+31.0	730+15.0 LT & RT	139.3	3.2	368.0
TOTAL		466.30	18.1	1254.0
USE		467	19	1254

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

STATION TO STATION	LENGTH	WIDTH	AREA
		FT	SO YD
725+92.8	725+98.8	6	25.5
727+01.8	727+07.8	6	17
TOTAL			34
USE			34

EXCAVATING AND GRADING EXISTING SHOULDER

STATION TO STATION	SIDE	LENGTH	UNITS
		FT	
722+85.0	725+98.8 LT & RT	627.6	6.3
727+01.8	730+15.0 LT & RT	626.4	6.3
TOTAL			12.6
USE			13

PAVEMENT REMOVAL

STATION TO STATION	SIDE	AREA
		SO YD
725+92.8	726+28.7 LT & RT	101.8
726+71.9	727+07.8 LT & RT	101.8
TOTAL		203.6
USE		204

CONCRETE GUTTER SCHEDULE

STATION TO STATION	SIDE	CONCRETE GUTTER, TYPE A	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
		LENGTH	AREA
		FT	SO YD
727+01.8	729+00.0 RT		198.2
729+00.0	730+15.0 RT	115	
727+01.8	727+54.5 LT		52.6
727+54.5	730+15.0 LT	260.6	
TOTAL			250.8
USE		376	251

GUARDRAIL SCHEDULE

STATION TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A	STEEL RAILING, TYPE SM	TRAFFIC BARRIER TERMINALS	TERMINAL MARKER - DIRECT APPLIED
		FOOT		TYPE 1, SPECIAL (TANGENT)	TYPE 6A
				EACH	
723+23.8	725+98.8 RT	175		1	1
724+73.8	725+98.8 LT	25		1	1
725+98.8	727+01.8 LT		103		
725+98.8	727+01.8 RT		103		
727+01.8	729+51.8 RT	150		1	1
727+01.8	728+01.8 LT			1	1
TOTALS		350	206	4	4
USE		350	206	4	4

RIPRAP SLURRY

STATION TO STATION	SIDE	AREA
		SO YD
727+13.3	727+21.3 LT	26.0
727+13.3	727+21.3 RT	28.4
TOTAL		54.4
USE		55

DRAINAGE SCHEDULE

STATION	SIDE	METAL END SECTIONS, 12"	PIPE DRAINS, 12"	TYPE E INLET BOX, STANDARD 610001
		EACH	LENGTH	EACH
			FT	
727+17.20	LT	1	6	1
727+17.20	RT	1	6	1
TOTAL		2	12	2
USE		2	12	2

SEEDING SCHEDULE

STATION TO STATION	SIDE	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2
		ACRE	LB	LB	LB	TON	TON
722+85	725+00 RT	0.1	7.2	7.2	7.2	0.2	0.1
722+85	725+00 LT	0.1	2.7	2.7	2.7	0.1	0.1
727+75	730+15 RT	0.1	9.0	9.0	9.0	0.2	0.1
727+50	730+15 LT	0.1	5.4	5.4	5.4	0.1	0.1
TOTAL		0.4	24.3	24.3	24.3	0.5	0.4
USE		0.5	45	45	45	1	0.5

STONE RIPRAP, CLASS A4 (SPECIAL)

STATION TO STATION	SIDE	STONE DUMPED RIPRAP, CLASS A4
		TON
725+00.0	726+28.7 RT	224.8
725+00.0	726+28.7 LT	221.5
726+70.1	727+75.0 RT	204.2
726+70.5	727+50.0 LT	136.4
TOTAL		786.9
USE		787

EARTHWORK SCHEDULE

STATION TO STATION	SIDE	EXCAVATION	EMBANKMENT	EMBANKMENT ADJUSTED FOR SHRINKAGE	BALANCE WASTE OR SHORTAGE (-)
		CU, YD.	CU, YD.	CU, YD.	CU, YD.
723+00.0	725+98.8 LT	0	3.2	4.0	-4.0
722+85.0	725+98.8 RT	0	51.1	63.9	-63.9
727+01.8	730+15.0 LT	1.9	2.8	3.5	-1.6
727+01.8	730+15.0 RT	37.4	58.7	73.4	-36.0
TOTALS		39.3	115.8	144.8	-105.5
USE		40			** 106

* SHRINKAGE FACTOR = 25%
** TO BE PAID FOR AS FURNISHED EXCAVATION

PAVEMENT SCHEDULE

STATION TO STATION	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE CSE, MIX "C", N50, 1	LEVELING BINDER (MACHINE METHOD), N50	BRIDGE APPROACH PAVEMENT
		TON	TON	TON	SO YD
722+85.0	725+98.8	0.4	1.8	76.5	
725+98.8	726+28.7				84.8
726+71.9	727+01.8				84.8
727+01.8	730+15.0	0.7	1.5	76.4	29.4
TOTAL		1.1	3.3	152.9	169.6
USE		2	4	153	170

ENTRANCE PAVING SCHEDULE

STATION	SIDE	AREA	INCIDENTAL HMA SURFACING	AGGREGATE BASE COURSE, TYPE B
		SO YD	TON	TON
724+54.5	LT	31.5	6.2	10.8
728+19.5	LT	12.0		4.1
728+73.4	LT	18.9		6.5
TOTAL			6.2	21.4
USE			7	22

EROSION CONTROL SCHEDULE

STATION TO STATION	SIDE	HEAVY DUTY EXCELSIOR BLANKET	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
		SO YD	FT	EACH
722+85.0	726+28.7 RT		343.7	
723+50.0	725+00.0 RT	278.1		
723+50.0	724+40.0 LT		90	
724+67.0	725+00.0 LT	37.2		
724+63.8	726+28.7 LT		164.9	
726+70.0	729+50.0 RT		280	
727+17.2	LT & RT			2
727+75.0	730+00.0 RT	327.4		
726+70.0	728+00.0 LT		130	
727+50.0	728+00.0 LT	57.2		
TOTAL		699.9	1008.6	2
USE		700	1010	2

PAINT PAVEMENT MARKING - LINE 5" SCHEDULE

STATION TO STATION	SIDE	PAINT PAVEMENT MARKING - LINE 5"
		SOLID WHITE
		DOUBLE CENTERLINE-YELLOW
		FOOT
722+85.0	730+15.0 LT & RT	1460
722+85.0	730+15.0 CL	1460
TOTALS		1460
USE		2920

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

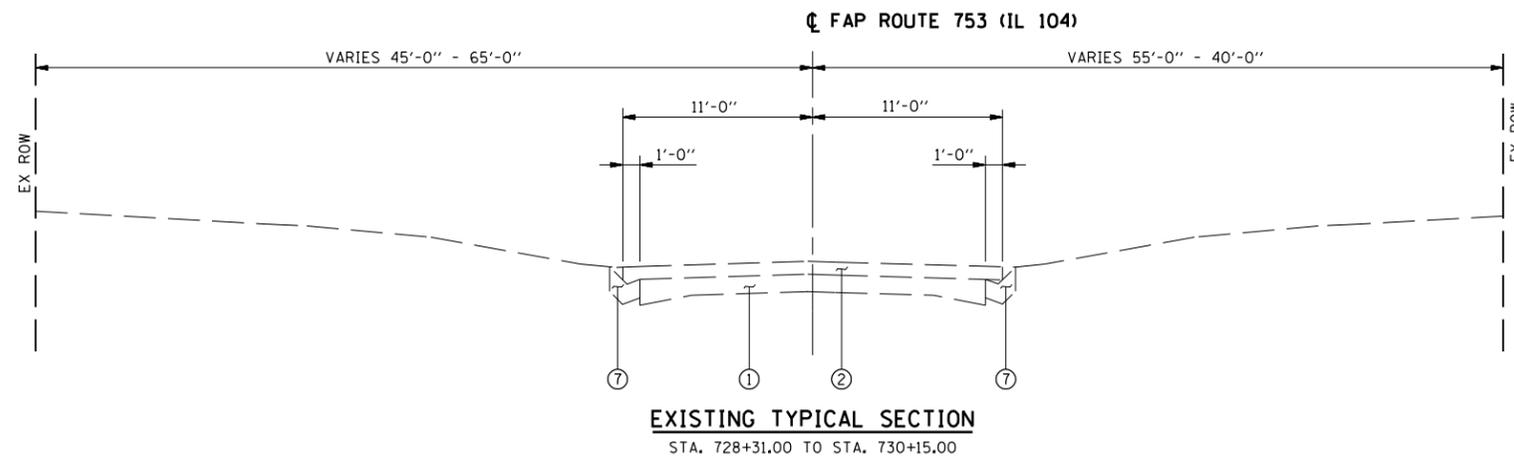
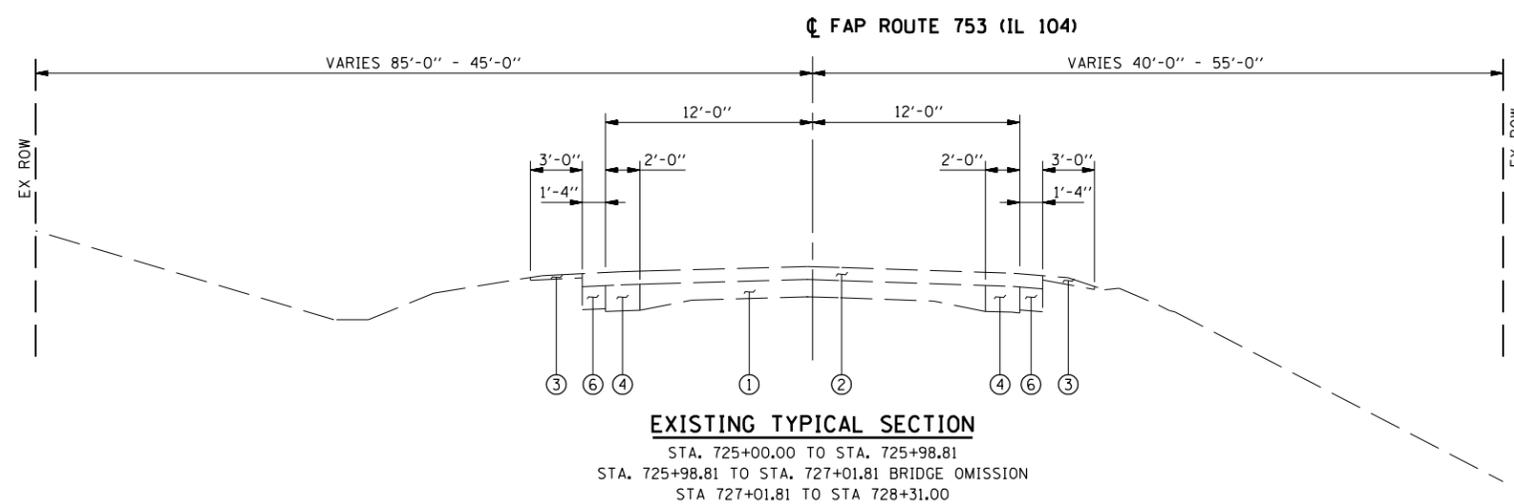
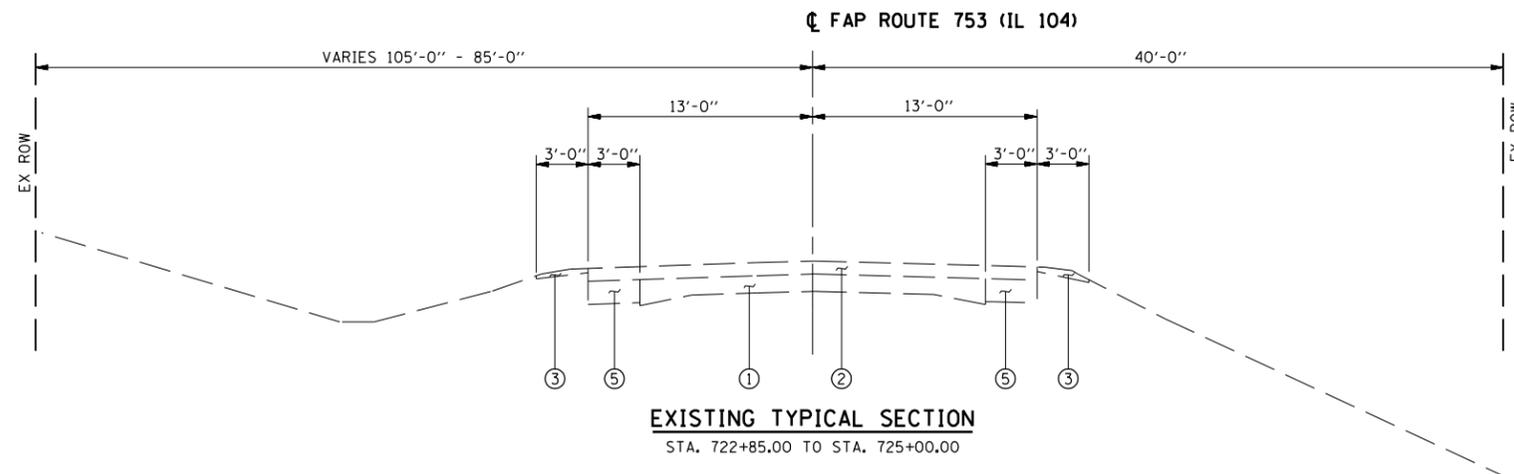
SCHEDULES OF QUANTITIES

DRAWN BY JCW

DATE: 02/28/07

CHECKED BY JRB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- ① EXISTING 9-6-9 PCC PAVEMENT
- ② EXISTING HOT MIX ASPHALT SURFACE (4 1/2")
- ③ EXISTING AGGREGATE SHOULDER WEDGE
- ④ EXISTING HOT MIX ASPHALT WIDENING (9")
- ⑤ EXISTING HOT MIX ASPHALT WIDENING (8")
- ⑥ EXISTING STABILIZED SHOULDER (6")
- ⑦ EXISTING GUTTER, TYPE B

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

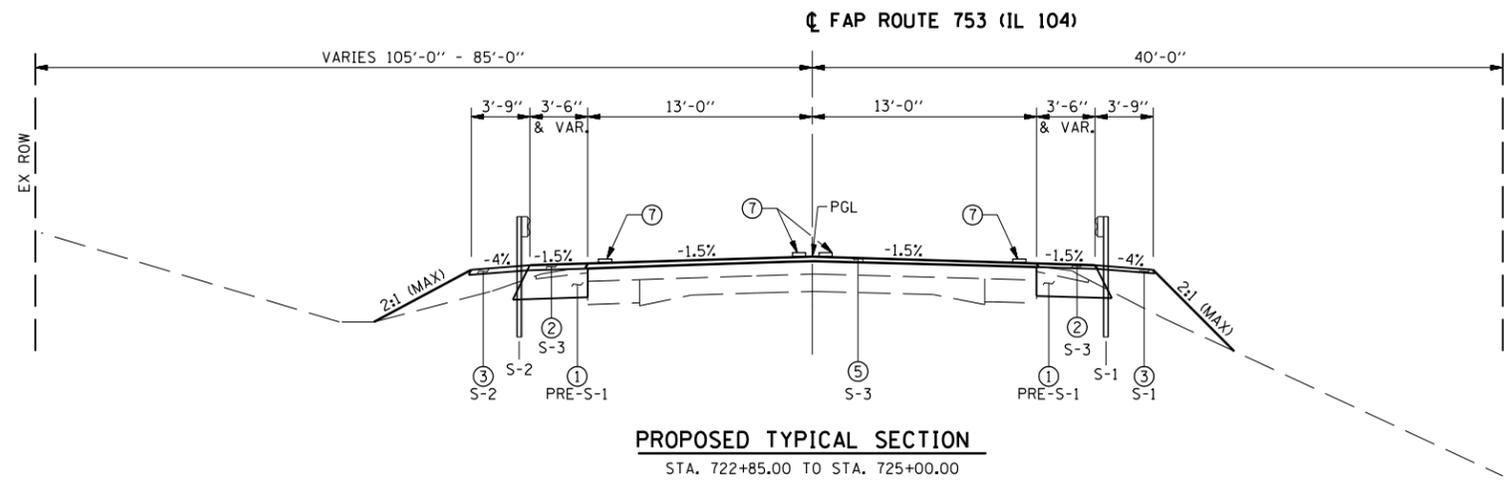
**EXISTING
TYPICAL SECTIONS**

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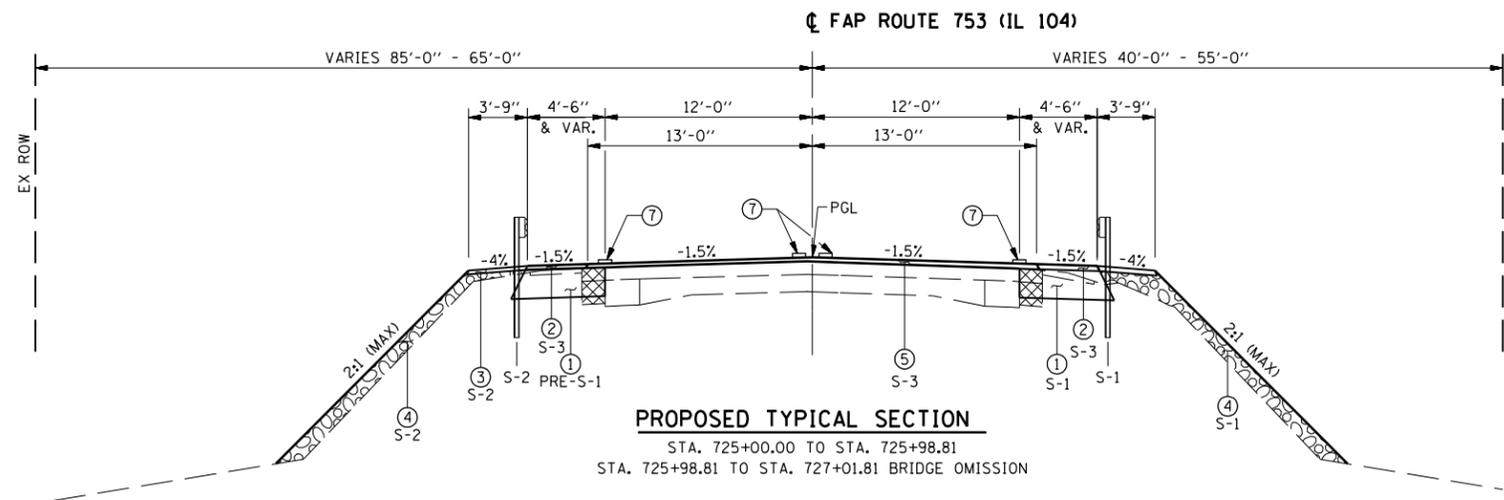
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PLOT DATE = 7/2/2007
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 USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- ① PROPOSED HOT MIX ASPHALT BASE COURSE WIDENING, 10"
 - ② PROPOSED HOT-MIX ASPHALT SHOULDERS (1 1/2")
 - ③ PROPOSED AGGREGATE SHOULDERS, TYPE B
 - ④ PROPOSED STONE DUMPED RIP-RAP, CLASS A-4 (SPECIAL)
 - ⑤ PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
 - ⑥ PROPOSED LEVELING BINDER (MACHINE METHOD), N50
 - ⑦ PROPOSED PAINT PAVEMENT MARKING, LINE 5"
 - ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑨ PROPOSED CONCRETE GUTTER, TYPE A



REVISIONS	
NAME	DATE

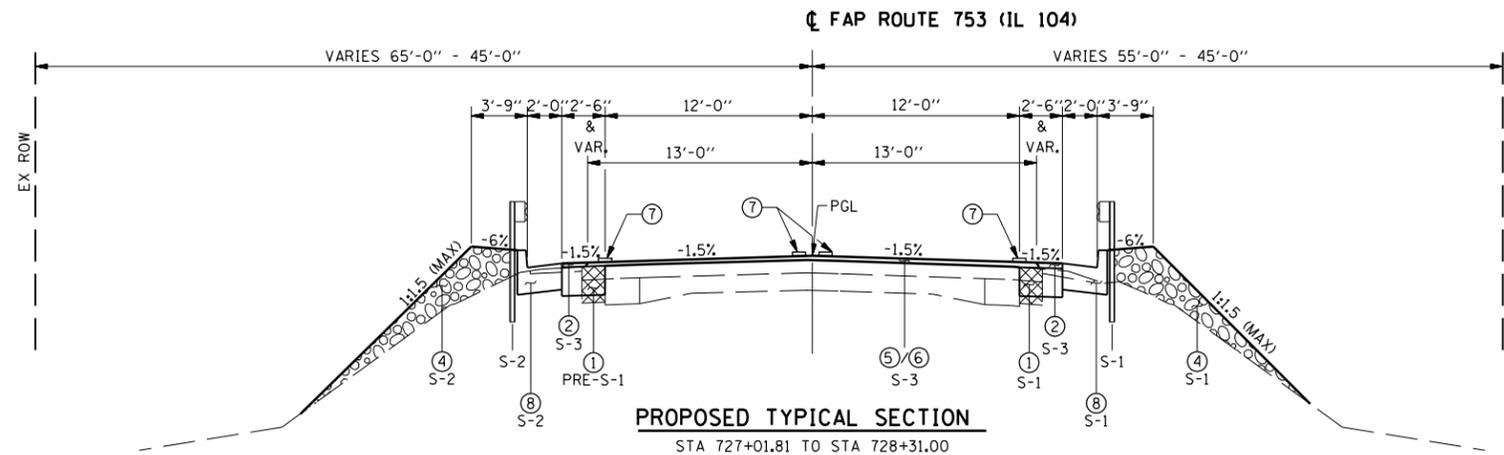
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED
TYPICAL SECTIONS**

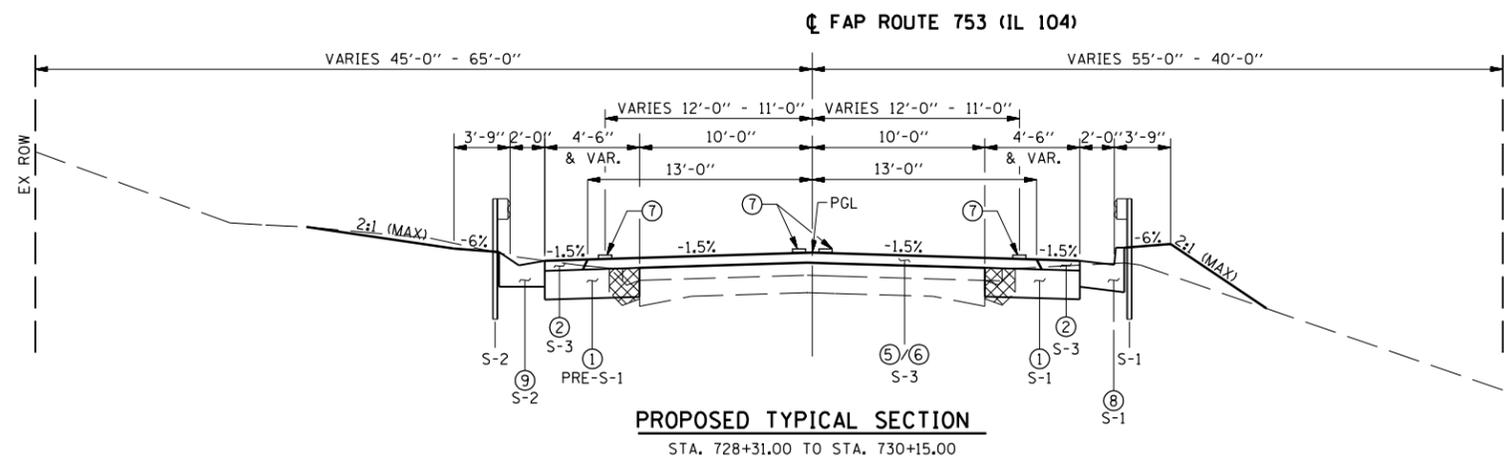
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USER NAME = laughlin-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- ① PROPOSED HOT MIX ASPHALT BASE COURSE WIDENING, 10"
 - ② PROPOSED HOT-MIX ASPHALT SHOULDERS (1 1/2" & VAR)
 - ③ PROPOSED AGGREGATE SHOULDERS, TYPE B
 - ④ PROPOSED STONE DUMPED RIP-RAP, CLASS A-4 (SPECIAL)
 - ⑤ PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")
 - ⑥ PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (VAR)
 - ⑦ PROPOSED PAINT PAVEMENT MARKING, LINE 5"
 - ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑨ PROPOSED CONCRETE GUTTER, TYPE A



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

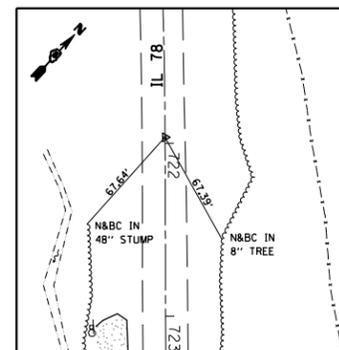
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

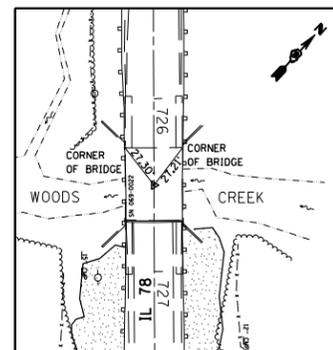
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TYPICAL SECTIONS

DATE: 02/28/07
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CHECKED BY JRB

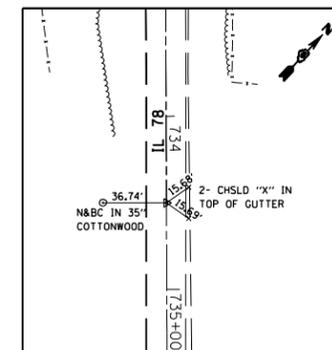
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



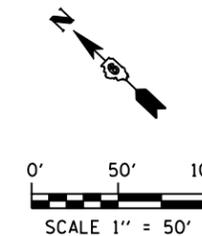
P.T. 721+96.60
(PK IN CHSLD "X")



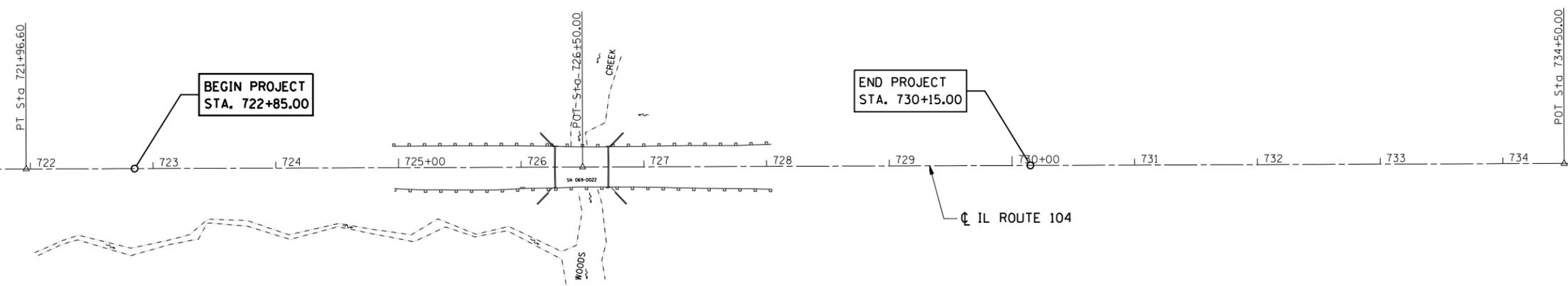
P.O.T. 726+50.00
(STAR DR. 11 IN CHSLD "X")



P.O.T. 734+50.00
(PK IN CHSLD "X")



EXIST. CURVE 23
 PI STA. = 716+94.46
 $\Delta = 18^\circ 15' 47''$ (RT)
 D = 1° 48' 11"
 R = 3,177.84'
 T = 510.80'
 L = 1,012.94'
 E = 40.79'
 P.C. STA. = 711+83.66
 P.T. STA. = 721+96.60



BEGIN PROJECT
 STA. 722+85.00

END PROJECT
 STA. 730+15.00

IL ROUTE 104

BM #10: STA. 726+71.1, 15.7' RT
 CHISLED "□" SE CORNER
 OF BRIDGE 069-0022
 ELEV. = 615.78

BM #11: STA. 724+45.8, 43.3' LT
 CHISLED "+" IN S BOLT OF
 FIRE HYDRANT, 0.038 mi NW
 OF BRIDGE 069-0022
 ELEV. = 611.63

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

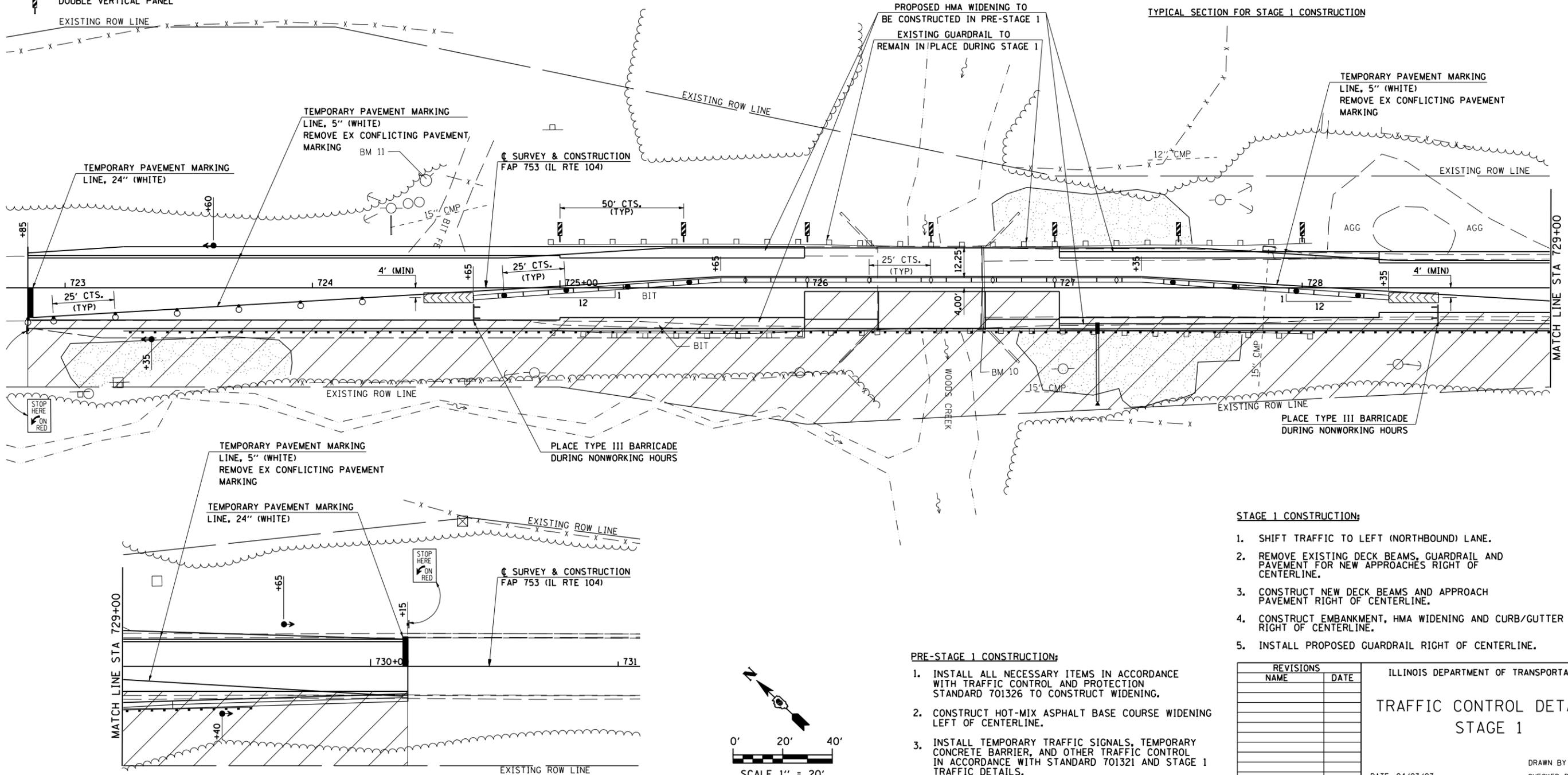
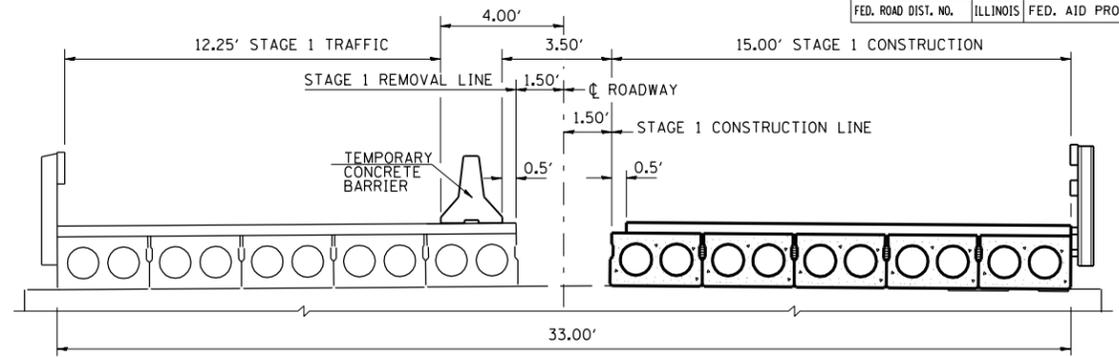
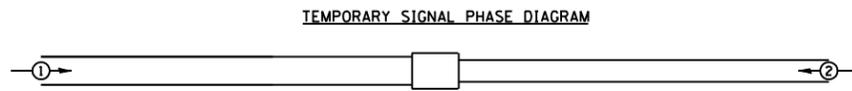
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 USER NAME = laughlin-1

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	16
STA. 723+00.00		TO STA. 731+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

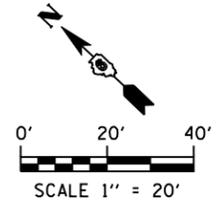


- STAGE 1 CONSTRUCTION:**
- SHIFT TRAFFIC TO LEFT (NORTHBOUND) LANE.
 - REMOVE EXISTING DECK BEAMS, GUARDRAIL AND PAVEMENT FOR NEW APPROACHES RIGHT OF CENTERLINE.
 - CONSTRUCT NEW DECK BEAMS AND APPROACH PAVEMENT RIGHT OF CENTERLINE.
 - CONSTRUCT EMBANKMENT, HMA WIDENING AND CURB/GUTTER RIGHT OF CENTERLINE.
 - INSTALL PROPOSED GUARDRAIL RIGHT OF CENTERLINE.

- PRE-STAGE 1 CONSTRUCTION:**
- INSTALL ALL NECESSARY ITEMS IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701326 TO CONSTRUCT WIDENING.
 - CONSTRUCT HOT-MIX ASPHALT BASE COURSE WIDENING LEFT OF CENTERLINE.
 - INSTALL TEMPORARY TRAFFIC SIGNALS, TEMPORARY CONCRETE BARRIER, AND OTHER TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD 701321 AND STAGE 1 TRAFFIC DETAILS.

REVISIONS	
NAME	DATE

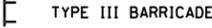
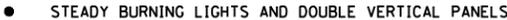
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
STAGE 1
 DRAWN BY JCW
 CHECKED BY JRB
 DATE: 04/03/07

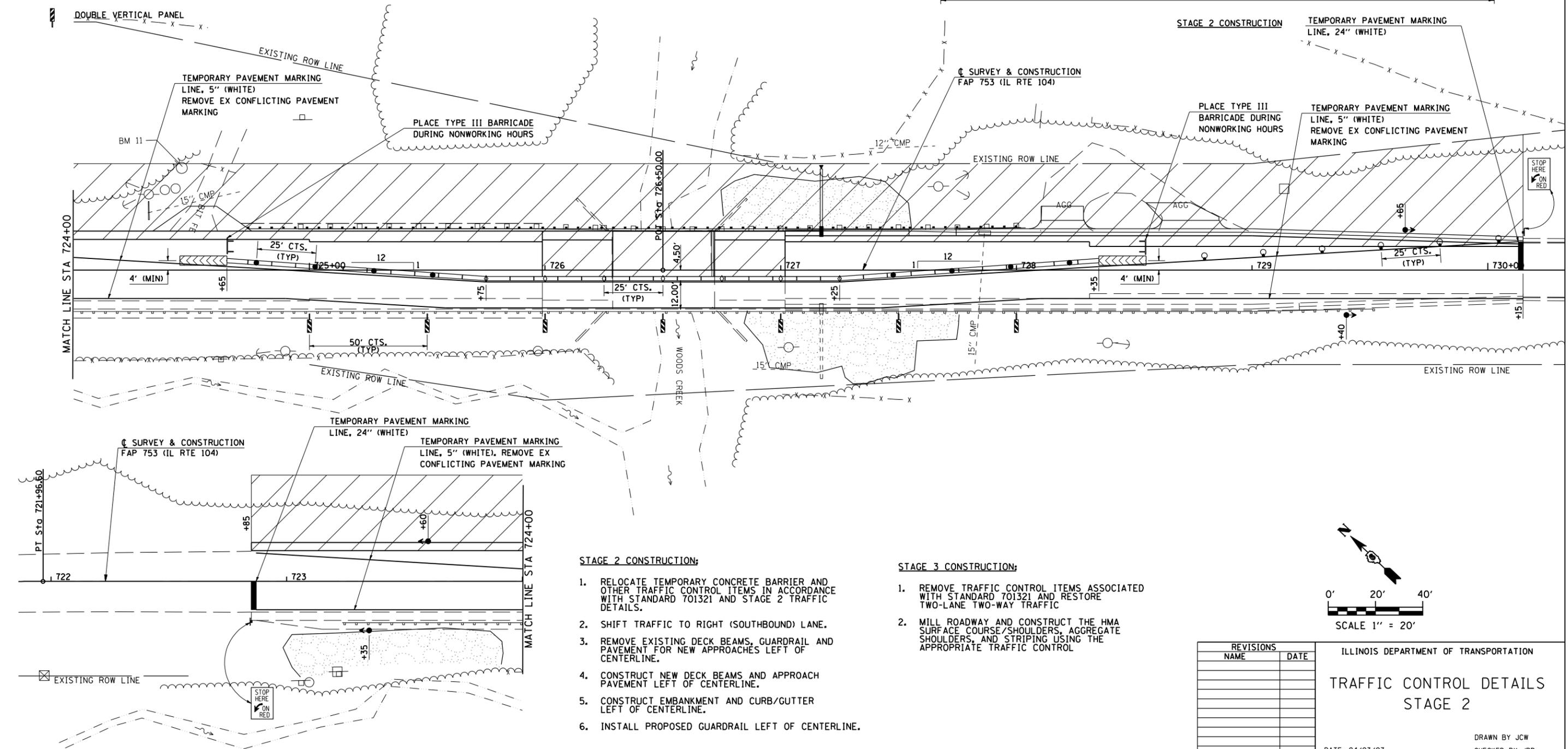
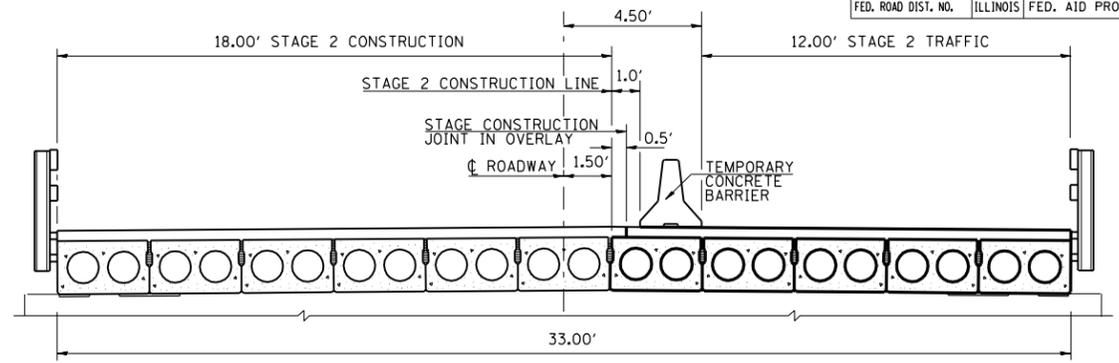
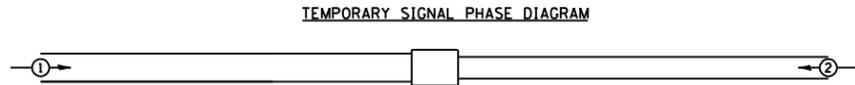


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 USER NAME = laughlin-1

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	17
STA. 723+00.00		TO STA. 731+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

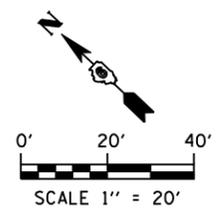
LEGEND

-  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 AND OTHER TRAFFIC CONTROL ITEMS IN ACCORDANCE WITH STANDARD 701321 AND STAGE 2 TRAFFIC DETAILS.
 2. SHIFT TRAFFIC TO RIGHT (SOUTHBOUND) LANE.
 3. REMOVE EXISTING DECK BEAMS, GUARDRAIL AND PAVEMENT FOR NEW APPROACHES LEFT OF CENTERLINE.
 4. CONSTRUCT NEW DECK BEAMS AND APPROACH PAVEMENT LEFT OF CENTERLINE.
 5. CONSTRUCT EMBANKMENT AND CURB/GUTTER LEFT OF CENTERLINE.
 6. INSTALL PROPOSED GUARDRAIL LEFT OF CENTERLINE.

- STAGE 3 CONSTRUCTION:**
1. REMOVE TRAFFIC CONTROL ITEMS ASSOCIATED WITH STANDARD 701321 AND RESTORE TWO-LANE TWO-WAY TRAFFIC
 2. MILL ROADWAY AND CONSTRUCT THE HMA SURFACE COURSE/SHOULDERS, AGGREGATE SHOULDERS, AND STRIPING USING THE APPROPRIATE TRAFFIC CONTROL



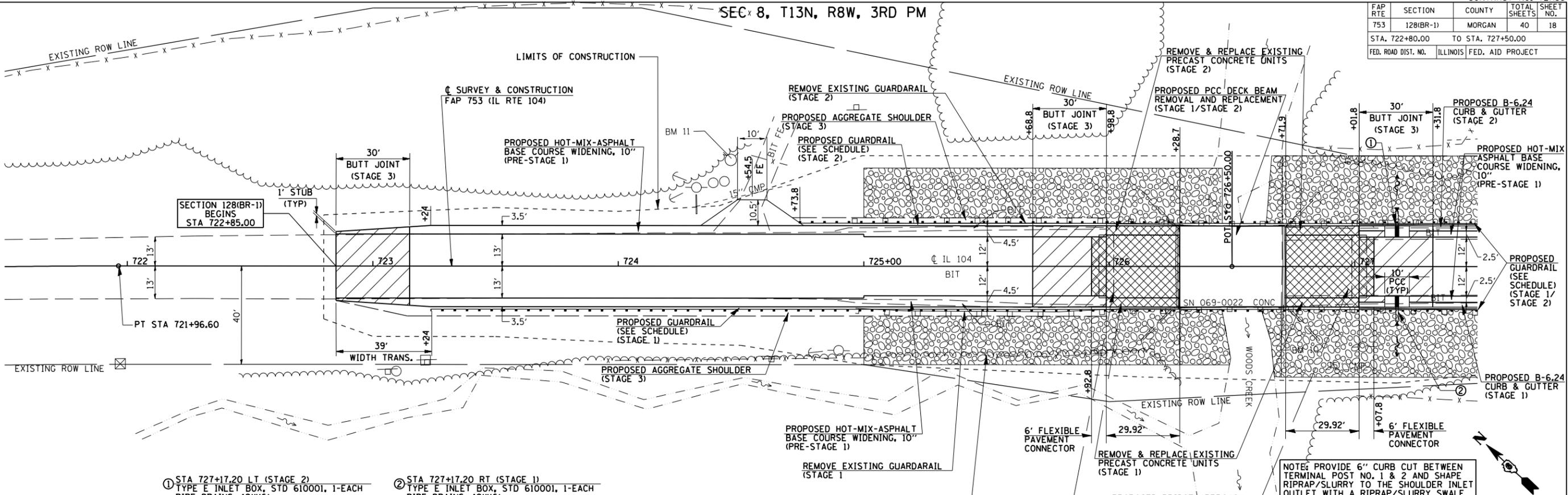
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
 STAGE 2
 DRAWN BY JCW
 CHECKED BY JRB
 DATE: 04/03/07

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

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	128(BR-1)	MORGAN	40	18
STA. 722+80.00		TO STA. 727+50.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

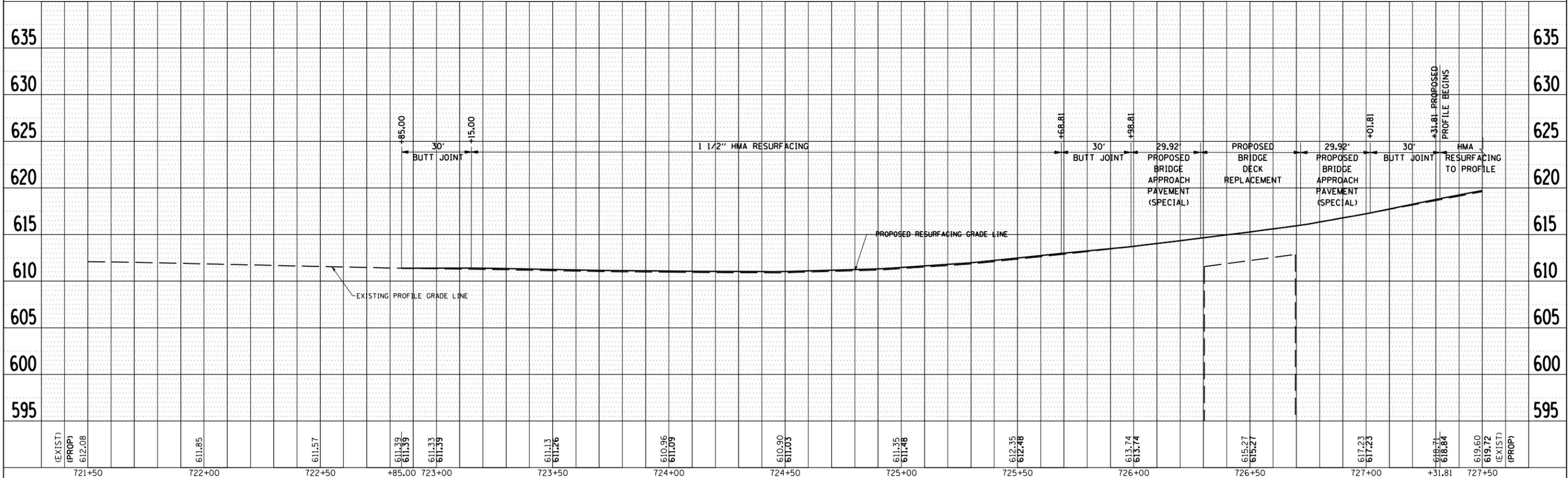
SEC 8, T13N, R8W, 3RD PM



- ① STA 727+17.20 LT (STAGE 2)
TYPE E INLET BOX, STD 610001, 1-EACH
PIPE DRAINS, 12"x6"
TOG=617.72
DSFL=615.01, 21.30' LT
METAL END SECTION, STD 542401, 1-EACH
- ② STA 727+17.20 RT (STAGE 1)
TYPE E INLET BOX, STD 610001, 1-EACH
PIPE DRAINS, 12"x6"
TOG=617.72
DSFL=615.01, 21.30' LT
METAL END SECTION, STD 542401, 1-EACH

NOTE: PROVIDE 6" CURB CUT BETWEEN TERMINAL POST NO. 1 & 2 AND SHAPE RIPRAP/SLURRY TO THE SHOULDER INLET OUTLET WITH A RIPRAP/SLURRY SWALE

SEC 8, T13N, R8W, 3RD PM



PLAN	SURVEYED	DATE
BY		
NO. 6888-FILE NAME		

PROF	DATE
BY	
NO. 6888-FILE NAME	

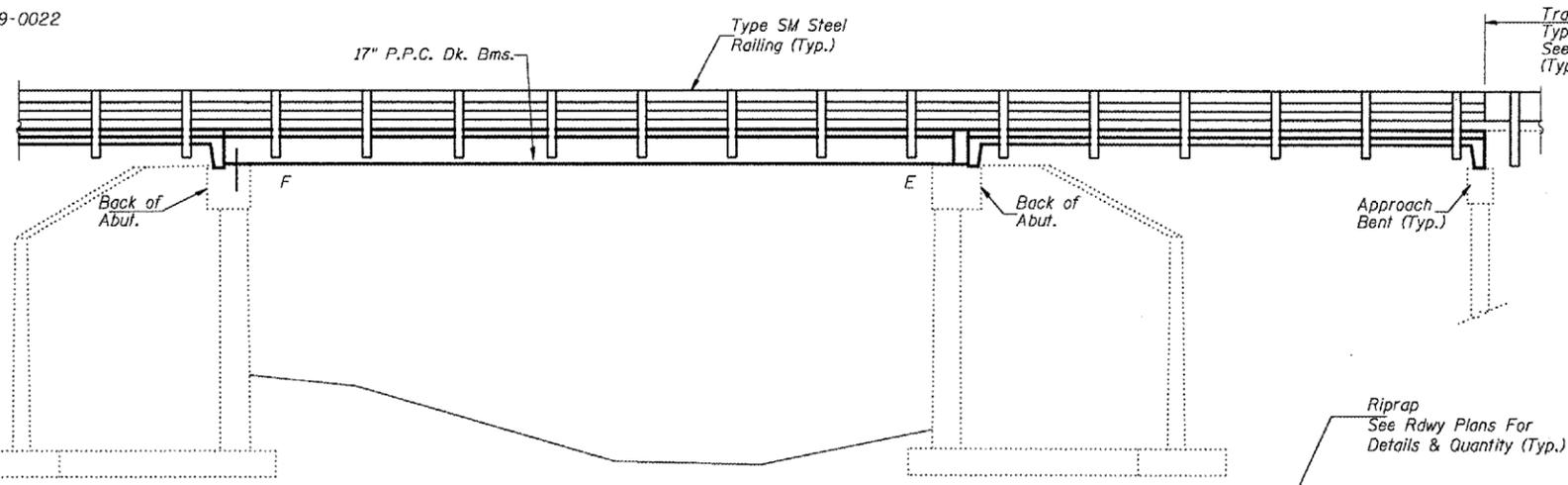
PLOT DATE 7/8/2007
 USER NAME laughlinr1

B.M.: Chiseled "□" SE Corner of Bridge, Str. No. 069-0022
Sta. 726+71.1, 15.7' Rf., Elev. 615.78 (NAVD 88)

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 753	*	MORGAN	39	20
FEL ROAD EST. NO. 7	ILLINOIS	PROJECT	CONTRACT NO. 72A89	
		* 128BR-1		

EXISTING STRUCTURE:

SN 069-0022 Built in 1934, Re-Built in 1971.
A single span 17" deep prestressed concrete deck beam superstructure, 44'-7 1/2" back to back abutments and 33'-0" clear roadway width with steel barrier rails on concrete closed abutments.
The existing superstructure is to be replaced with PPC Deck Beams and 5" (min.) Concrete Wearing Surface.
Traffic shall be maintained by utilizing Stage Construction.
No Salvage



ELEVATION

GENERAL NOTES

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

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.

No in-stream work will be allowed on this project.

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

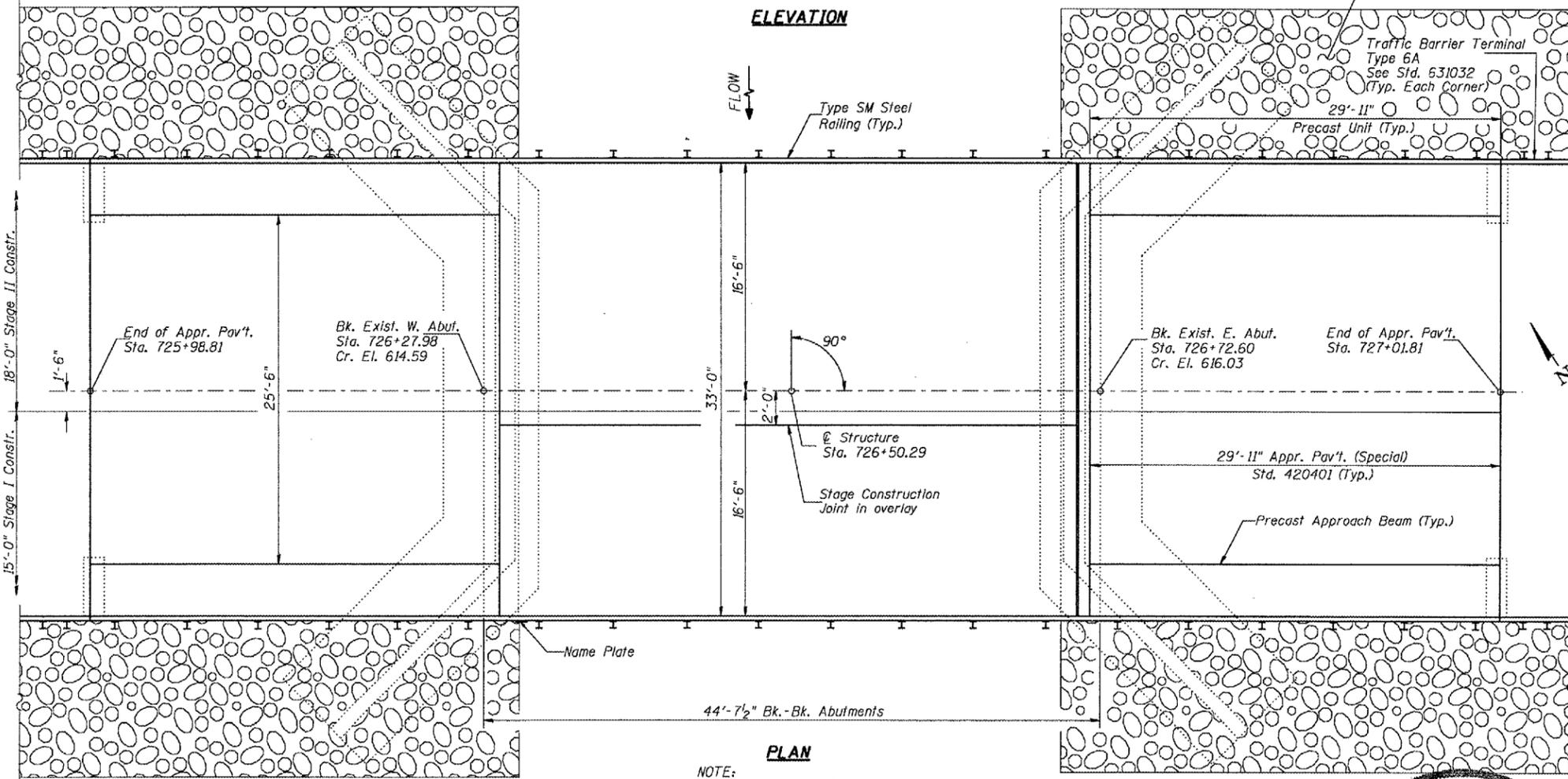
The minimum thickness of the Concrete overlay shall be 5" and varies as required to adjust for new profile grade and beam camber.

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 abutments shall be completed prior to placement of the new deck beams.

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

Protective Coat shall be applied to the top and edges of the concrete wearing surface. Reinforcement bars designated (E) shall be epoxy coated.



PLAN

NOTE:
See Roadway plans for profile grade information.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Removal of Existing Superstructures	Each	-	-	1
Removal of Existing Precast Concrete Unit	Sq. Ft.	449	-	449
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1,388	-	1,388
Precast Concrete Bridge Slab	Sq. Ft.	449	-	449
Concrete Structures	Cu. Yd.	-	2.1	2.1
Reinforcement Bars, Epoxy Coated	Pound	2,660	580	3,240
Steel Railing, Type SM	Foot	206	-	206
Concrete Wearing Surface, 5"	Sq. Yd.	205	-	205
Bridge Deck Grooving	Sq. Yd.	145	-	145
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	-	38	38
Name Plates	Each	-	-	1
Bar Splicers	Each	167	6	173
Protective Coat	Sq. Yd.	214	-	214
Asbestos Bearing Pad Removal	Each	22	-	22
Concrete Removal	Cu. Yd.	-	1.5	1.5
Preformed Joint Strip Seal	Foot	33	-	33

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

STATION 726+50.29
REBUILT 200 BY
STATE OF ILLINOIS
F.A.P. 753
SEC 128BR-1
LOADING HS20
STRUCTURE NO. 069-0022

NAME PLATE
See Std. 515001
Attach new name plate to back side of 8" rail element. Clean and re-locate existing name plate adjacent to new name plate. Cost included in the cost of "Name Plates".

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES
LOADING HS20-44
Allow 50#/sq. ft. future wearing surface.
DESIGN SPECIFICATIONS
2002 AASHTO

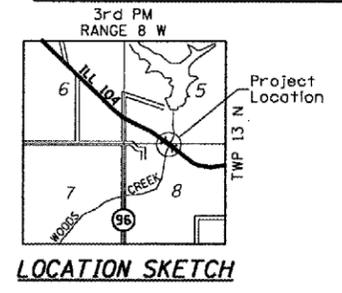
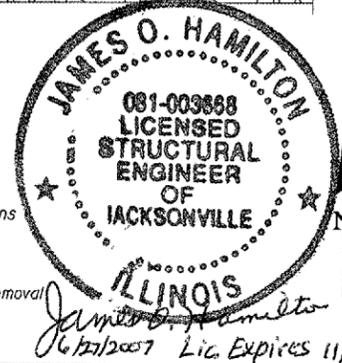
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 p.s.i.
f'cl = 4,000 p.s.i. (Concrete Wearing Surface)
fy = 60,000 p.s.i. (Reinforcement)

PRECAST PRESTRESSED UNITS
f'c = 5,000 p.s.i.
f'cl = 4,000 p.s.i.
f's = 270,000 p.s.i. (1/2" low relaxation strands)
f'si = 201,960 p.s.i. (1/2" low relaxation strands)

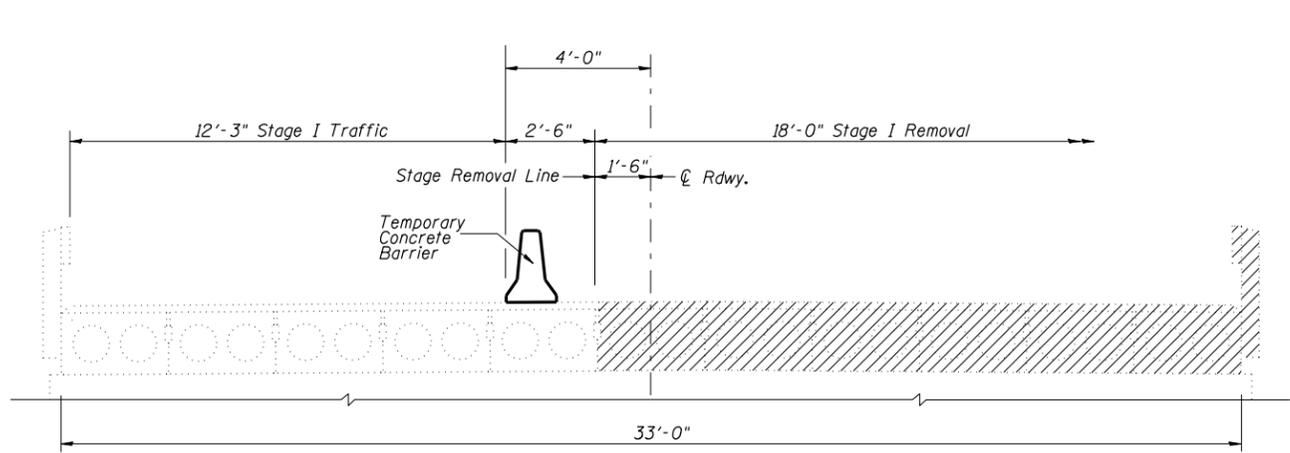
PRECAST NON-PRESTRESSED UNITS
f'c = 4,500 p.s.i.

INDEX TO SHEETS

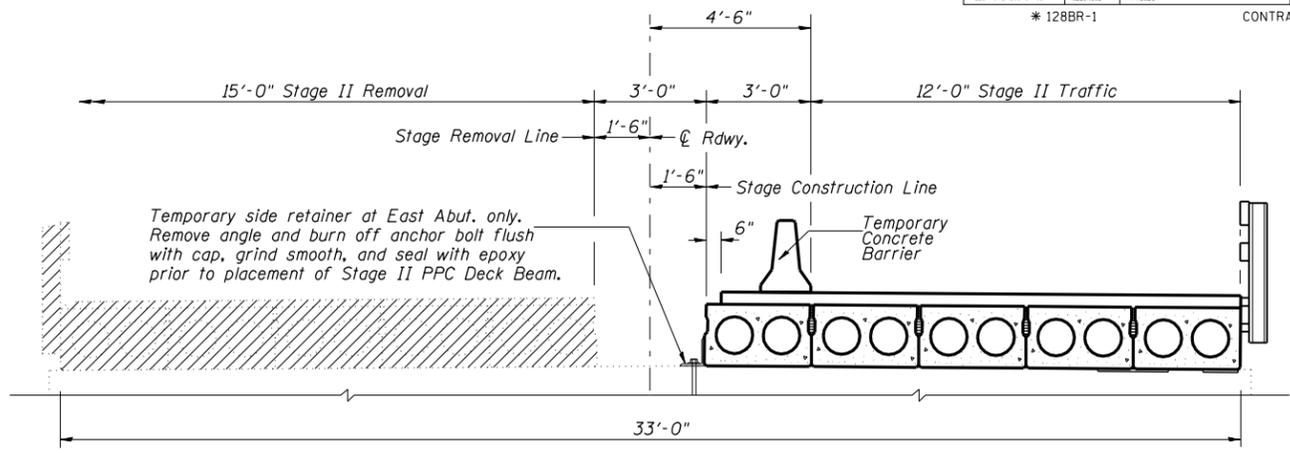
- General Plan
- Stage Construction Details
- Temporary Concrete Barrier For Stage Construction
- Approach Details
- Deck Beam Details
- Overlay Details & Typical Sections
- Preformed Joint Strip Seal
- Steel Railing, Type SM
- Superstructure Details
- Abutment Concrete Repair & Removal
- Abutment Details
- Bar Splicer Assembly Details



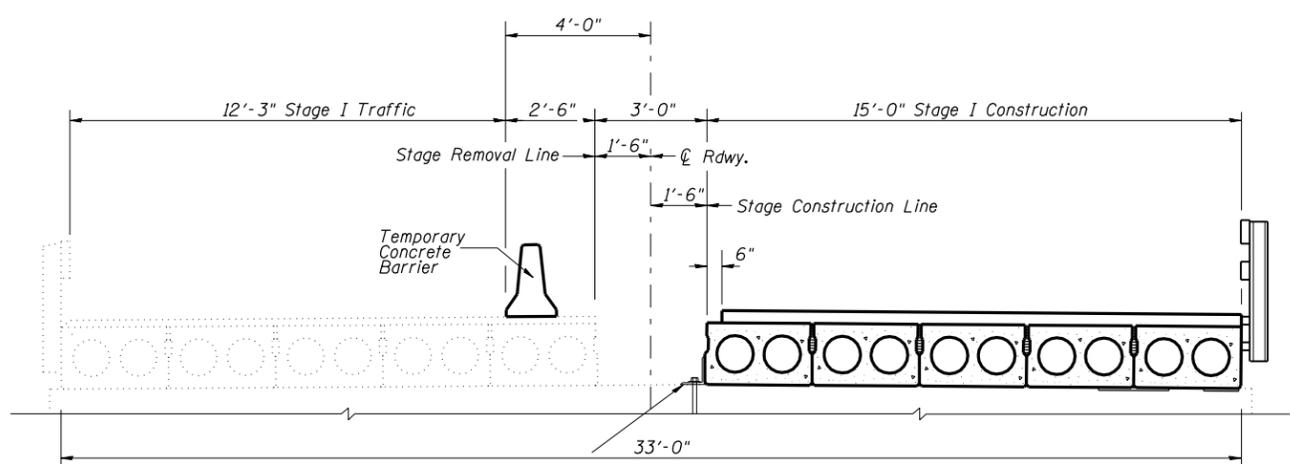
GENERAL PLAN
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022
HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____



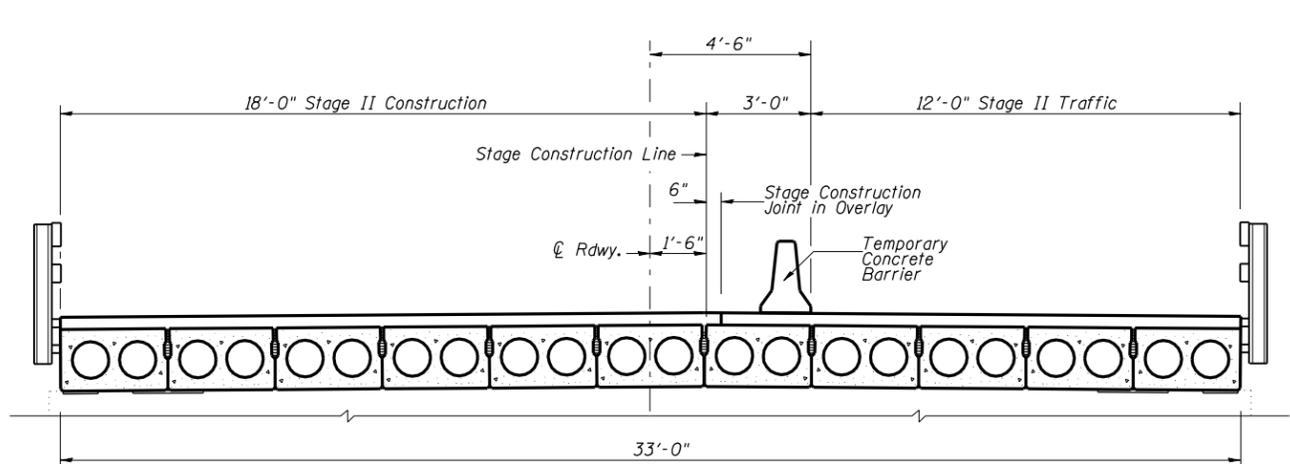
STAGE I REMOVAL



STAGE II REMOVAL



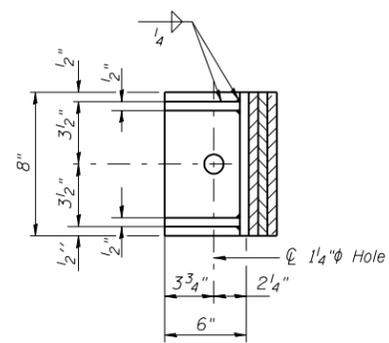
STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

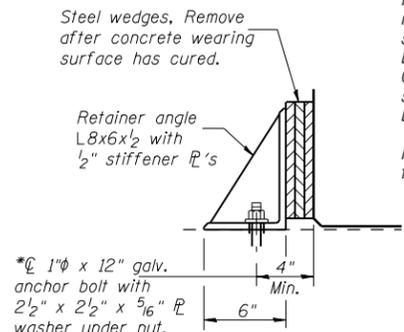
Temporary side retainer at East Abut. only. Remove angle and burn off anchor bolt flush with cap, grind smooth, and seal with epoxy prior to placement of Stage II PPC Deck Beam.

Notes:
 All cross-sections are looking southeast.
 Hatched area indicates Removal of Existing Superstructure.
 For Temporary Concrete Barrier Details see sheet 3 of 12.
 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.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.



TEMPORARY RETAINER ANGLE PLAN

The retainers and hardware shall be galvanized after shop fabrication accordance to AASHTO M111 ASTM 385.



TEMPORARY RETAINER ANGLE ELEVATION

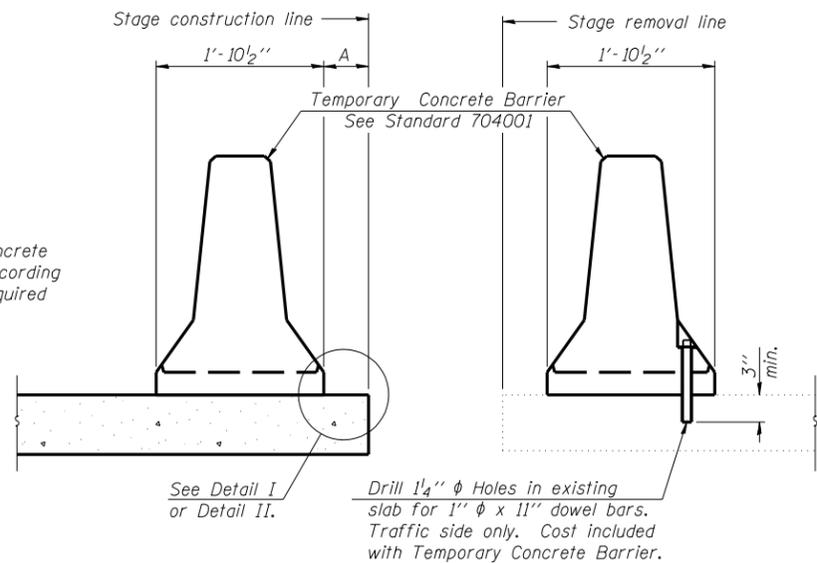
*Anchor bolts or approved threaded rod may be placed in drilled holes and grouted in place. Cost of retainers, accessories, and galvanizing are included with Precast Prestressed Concrete Deck Beams.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

STAGE CONSTRUCTION DETAILS
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
 Rev: _____ Date: _____

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".



NEW SLAB

EXISTING SLAB

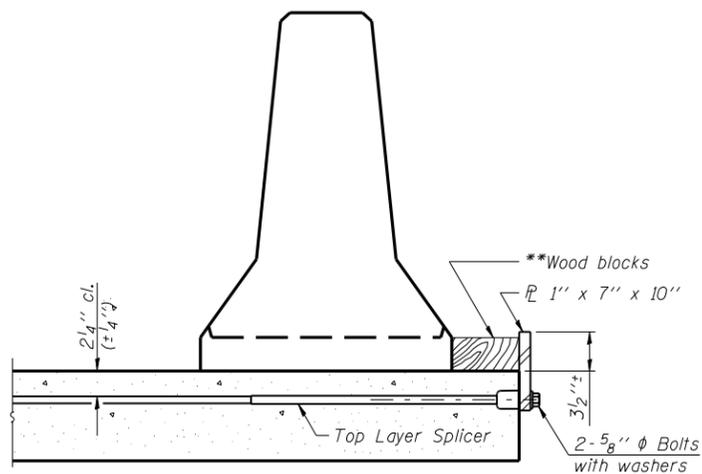
SECTIONS THRU SLAB

NOTES

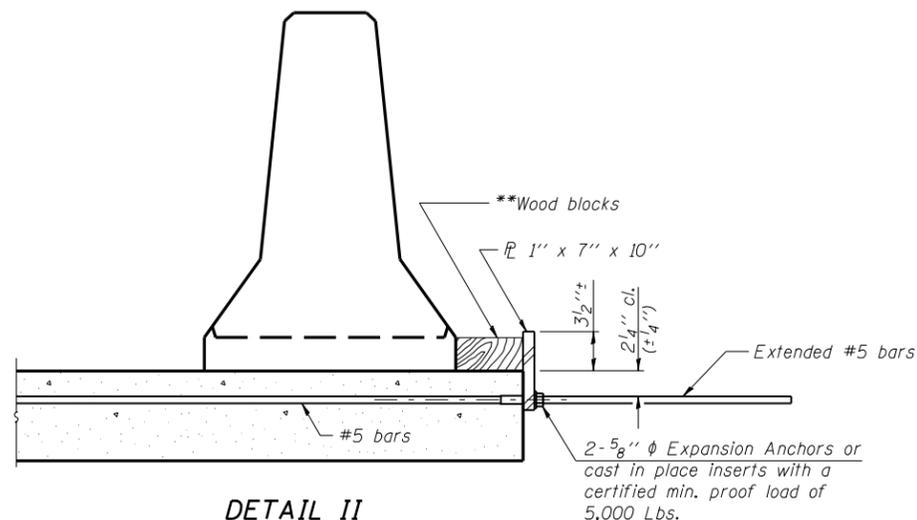
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

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

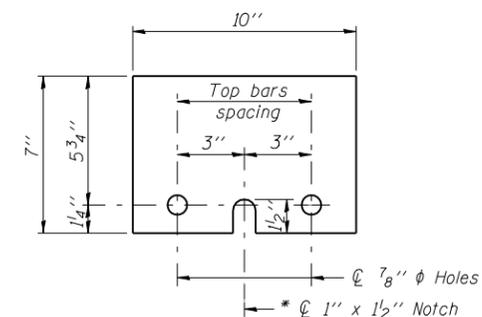
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



DETAIL I



DETAIL II



STEEL RETAINER \bar{P} 1" x 7" x 10"

* Required only with 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.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

R-27

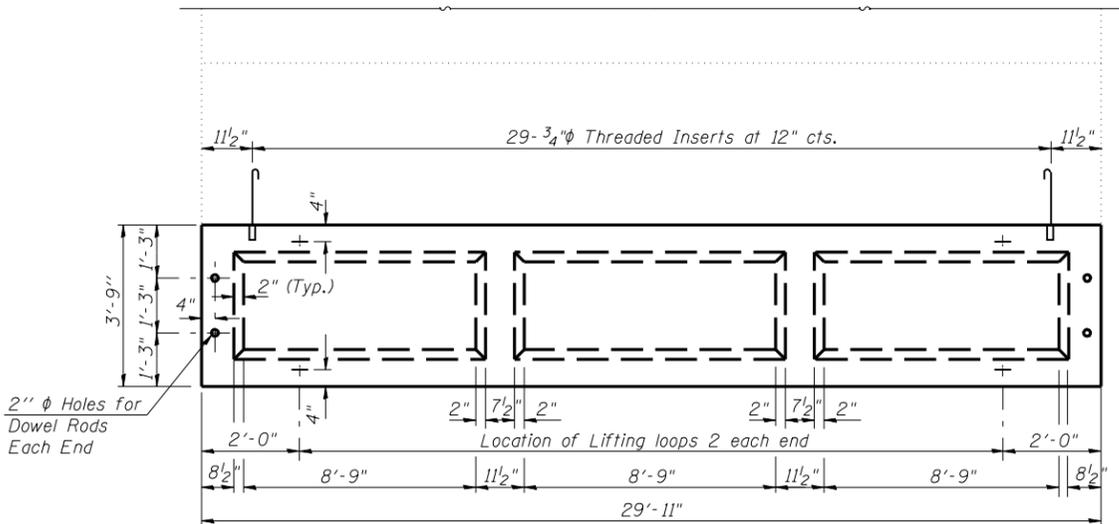
11-1-06

2447-8b003

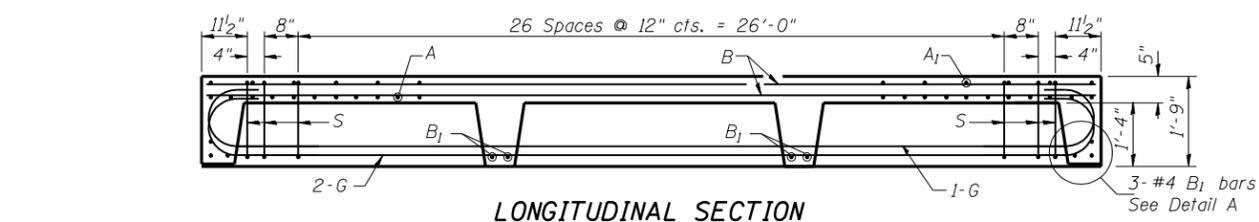
**TEMPORARY CONCRETE BARRIER
FOR STAGE CONSTRUCTION
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022**

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____

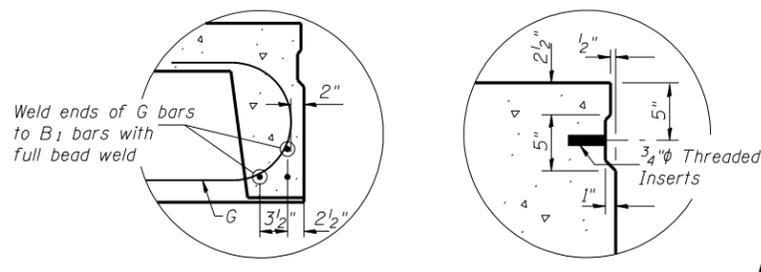
Note:
Tack welding of stirrups to bottom longitudinal reinforcement bars will not be permitted except as otherwise authorized in writing by the Engineer.



TYPICAL PLAN OF BEAM



LONGITUDINAL SECTION



DETAIL A

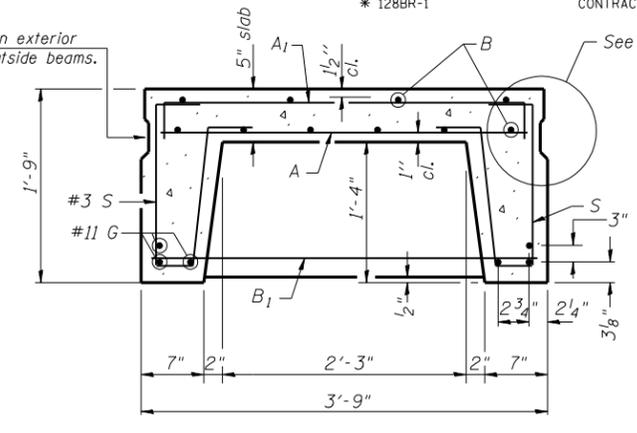
KEY DETAIL

The surface of the member shall not deviate more than 1/1200 of the full length of the member from a straight line connecting the two end points on the member's surface. In addition to State inspection and prior to erection, the beam shall be approved by the resident Engineer at the jobsite. The units shall remain on the bottom supporting forms until the concrete has attained a compressive strength of not less than 3,500 pounds per square inch.

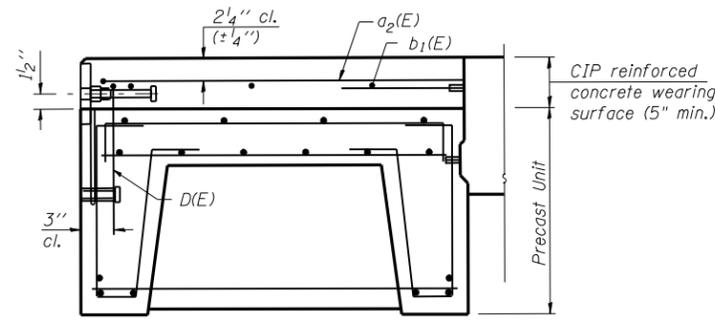
Precast concrete bridge slab shall meet the requirements of Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Concrete Bridge Slab.

1/2" FABRIC BEARING PAD
(4 Req'd. per beam)

Omit key on exterior face of outside beams. See Key Detail



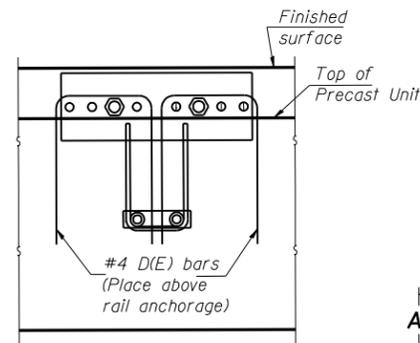
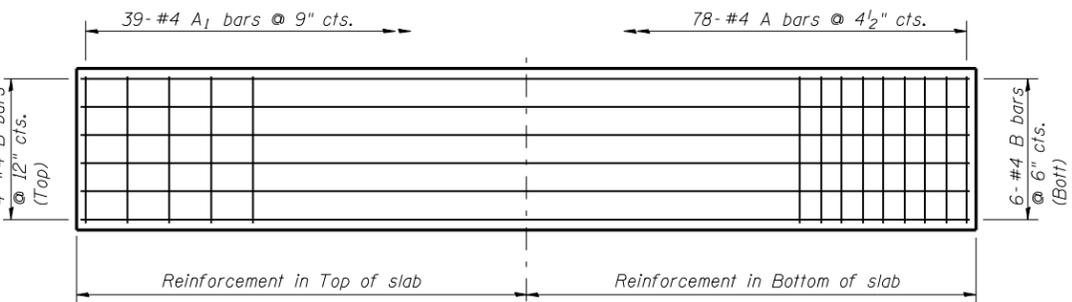
SECTION THRU PRECAST UNIT



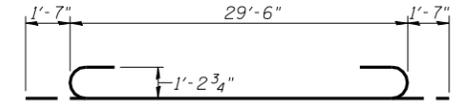
FASCIA BEAM

BILL OF MATERIAL

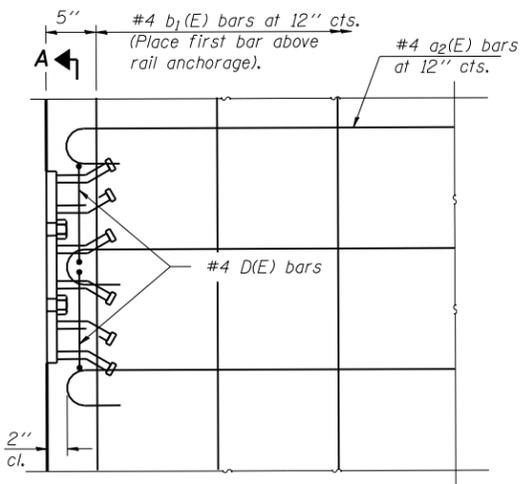
Item	Unit	Quantity
Precast Concrete Bridge Slab	Sq. Ft.	449
Removal of Existing Precast Unit	Sq. Ft.	449



SECTION A-A

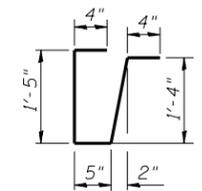


BAR G

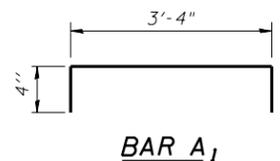


PLAN AT RAIL ANCHOR

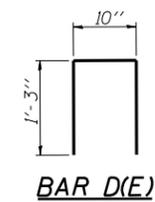
Rail anchorage shall be cast in precast units. See section for dimensions and bar callouts not shown. Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam. Drilling into the precast unit will not be permitted.



BAR S

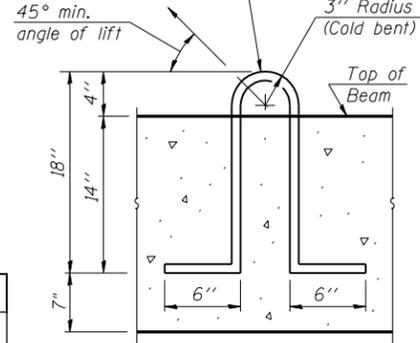


BAR A1



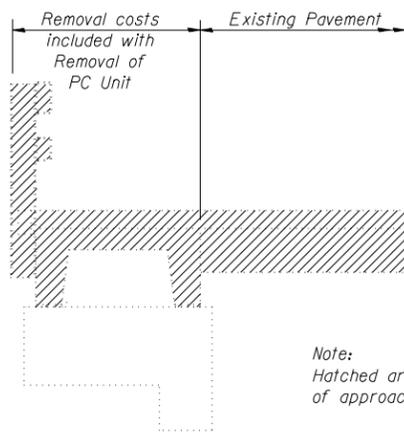
BAR D(E)

2-1/2" Strands/Loop, 2 Ea. End Ea. Beam. Loop shall be burned off after beams have been erected. Strands shall conform to the requirements of AASHTO M 203.



LIFTING LOOP DETAIL

Approved alternate may be substituted for the above



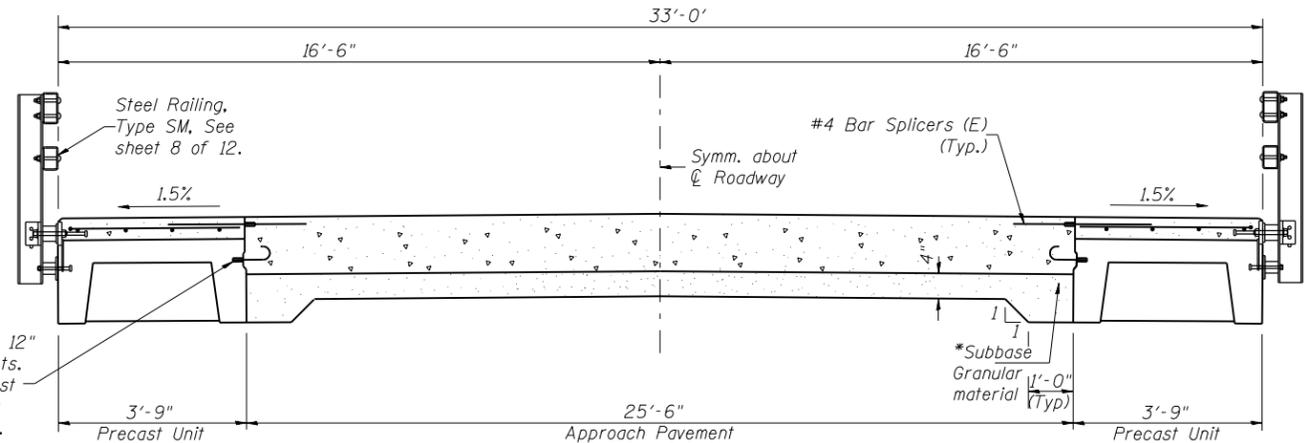
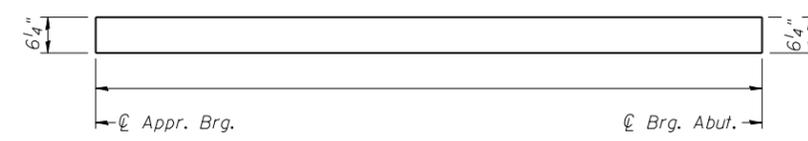
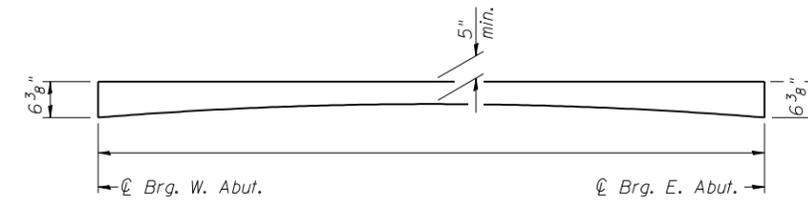
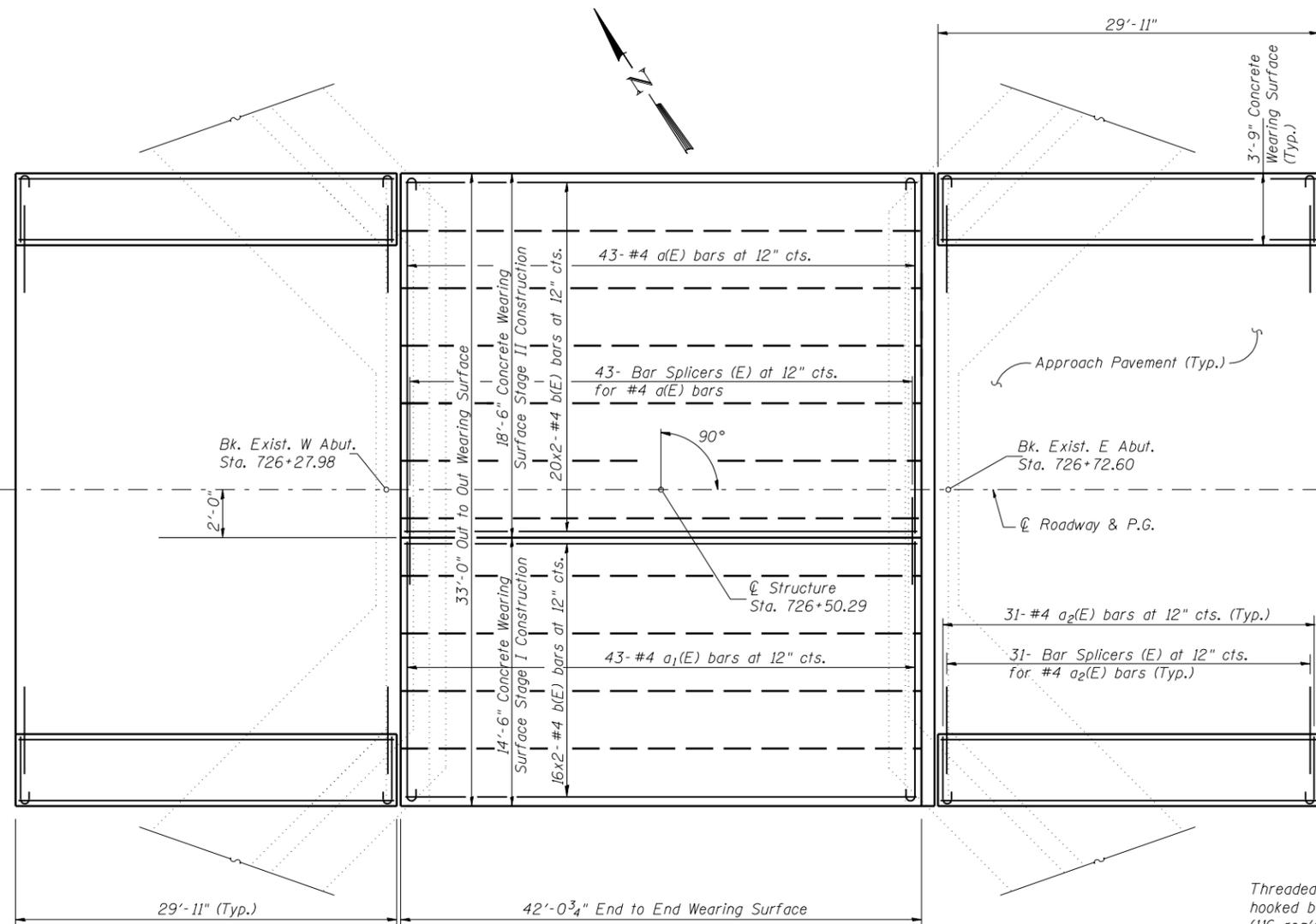
TYPICAL APPROACH REMOVAL SECTION

Note:
Hatched area indicates area of approach removal.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

APPROACH DETAILS
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____



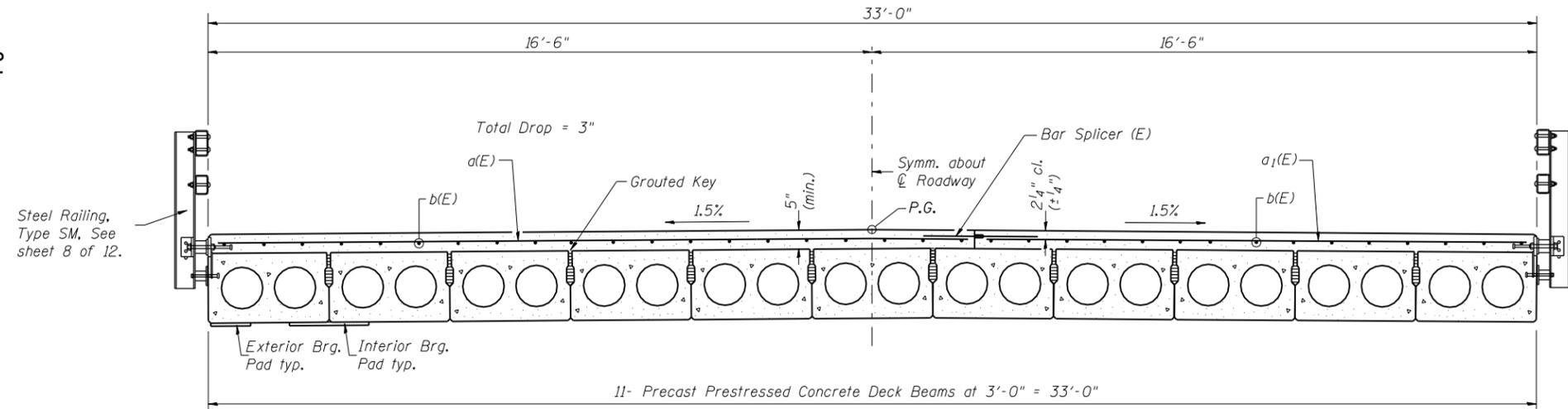
CROSS SECTION (APPROACH UNITS) *Cost included in Approach Pavement (Special)
Looking Southeast

SUPERSTRUCTURE BILL OF MATERIAL

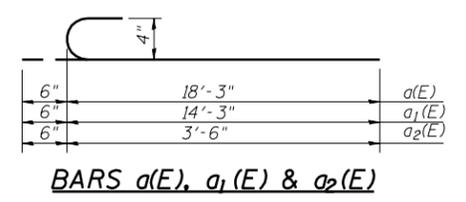
Bar	No.	Size	Length	Shape
a(E)	43	#4	18'-9"	C
a ₁ (E)	43	#4	14'-9"	C
a ₂ (E)	124	#4	4'-0"	C
b(E)	72	#4	21'-9"	—
b ₁ (E)	16	#4	29'-8"	—
Reinforcement Bars, Epoxy Coated			Lbs.	2,660
Concrete Wearing Surface, 5"			Sq. Yds.	205
Bar Splicers			Each	167

For Bar Splicer Details, see sheet 12 of 12. Bars indicated thus 1 x 2 - #4 etc. indicates 1 line of bars with 2 lengths per line.

MIN. BAR LAP
#4 Bar = 1'-8"



CROSS SECTION
Looking Southeast



OVERLAY DETAILS AND TYPICAL SECTIONS
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____

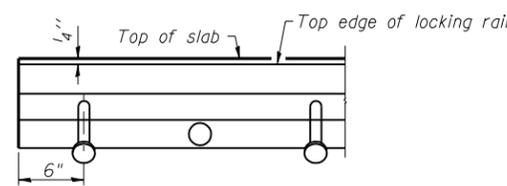
DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 753	*	MORGAN	40	26
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

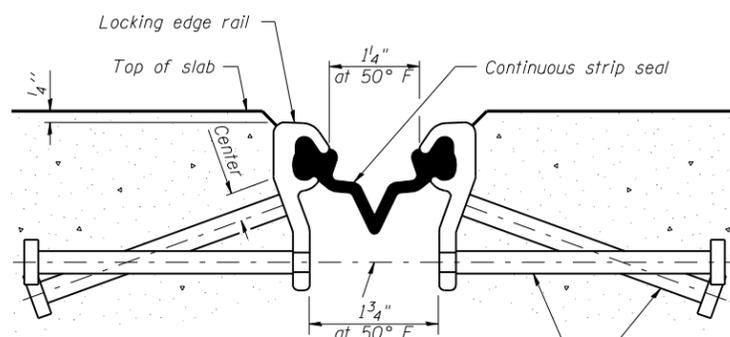
SHEET NO. 7
OF 12 SHEETS

* 128BR-1

CONTRACT NO. 72A89



TYPICAL END TREATMENT

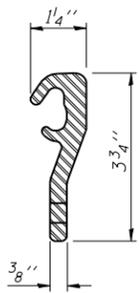


7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

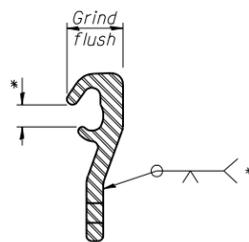
Place 1/2" ϕ x 6" granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded at 1'-0" alt. cts. (66 Req'd.)

SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS

* Omit weld at seal opening.



LOCKING EDGE RAIL



LOCKING EDGE RAIL SPLICE

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

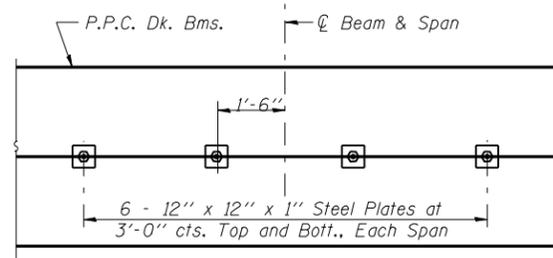
BILL OF MATERIAL

Item	Unit	Quantity
Preformed Joint Strip Seal	Foot	33

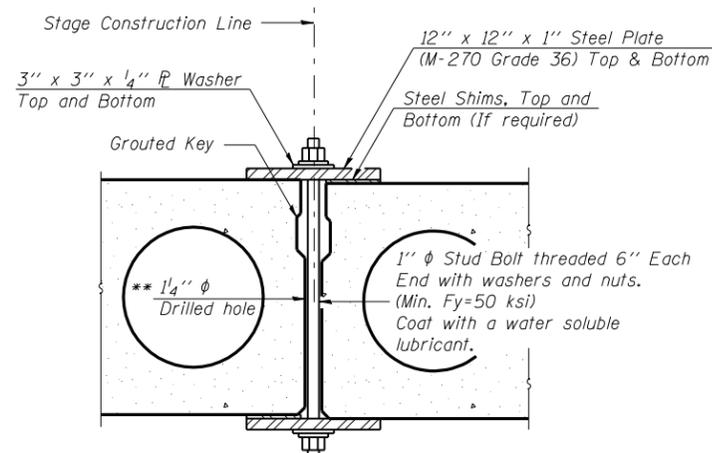
DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

**PREFORMED JOINT STRIP SEAL
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022**

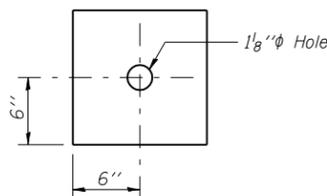
**HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS**
Rev: _____ Date: _____



PLAN



SECTION



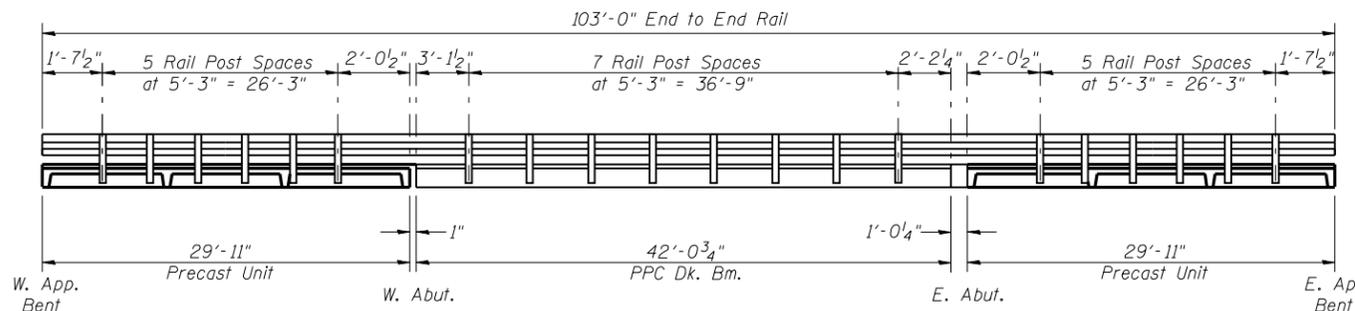
CLAMPING PLATE

SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

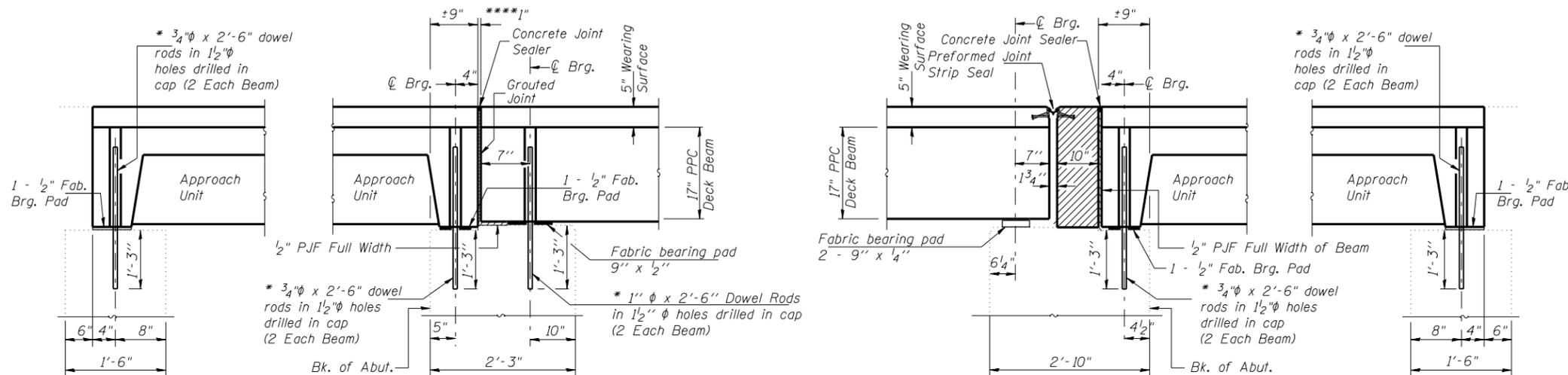
Cost included with Precast Prestressed Concrete Deck Beams.
See Stage Construction Details for traffic lanes.
Stage construction of Precast Prestressed Concrete Deck Beams shall be according to Article 504.06(d) of the Standard Specifications.

** 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.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN



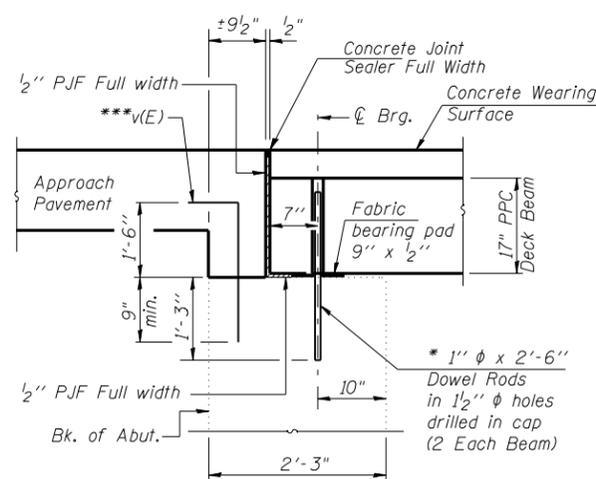
RAIL POST SPACING



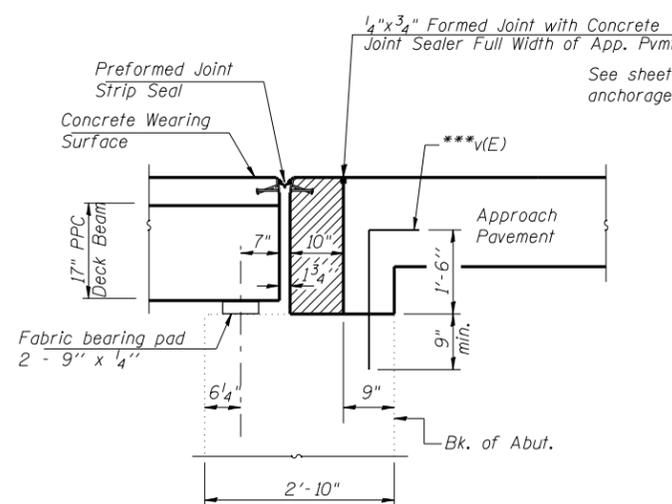
SECTION THRU WEST ABUTMENT AT OUTSIDE BEAM

SECTION THRU EAST ABUTMENT AT OUTSIDE BEAM

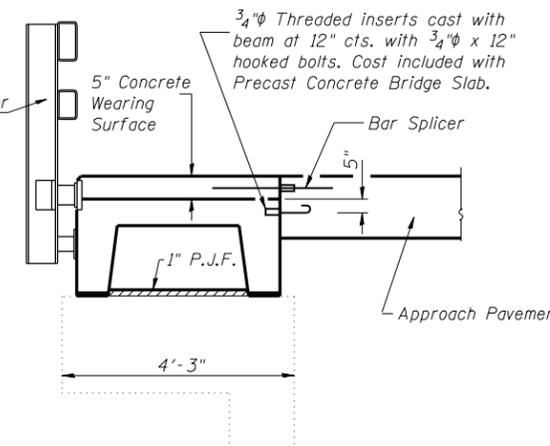
***Epoxy grout bars (E) in 9'' min. drilled holes according to Section 584 of the Standard Specifications.
****1'' joint shall be packed with a very dry mix of 2:1 sand and PC mortar. 1'' dimension may vary plus or minus to accommodate tolerances in beam lengths.



SECTION THRU WEST ABUTMENT AT ROADWAY



SECTION THRU EAST ABUTMENT AT ROADWAY



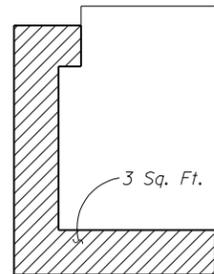
TYPICAL APPROACH SECTION NEAR BENT

* Existing Dowel Rods shall be burned off flush with the top of existing concrete, ground smooth, and sealed with epoxy. Cost to be included in the cost of Removal of Existing Superstructures/Removal of Existing Precast Units. After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.

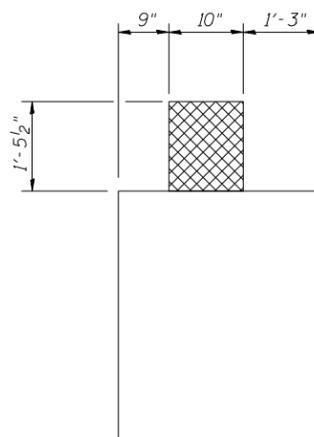
Notes:
All horizontal dimensions are at right angles to beam ends.
See sheet 5 of 12 for bearing pad details.
Hatched area shall be poured after Concrete Wearing Surface is in place and cured.

SUPERSTRUCTURE DETAILS
F.A.P. 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

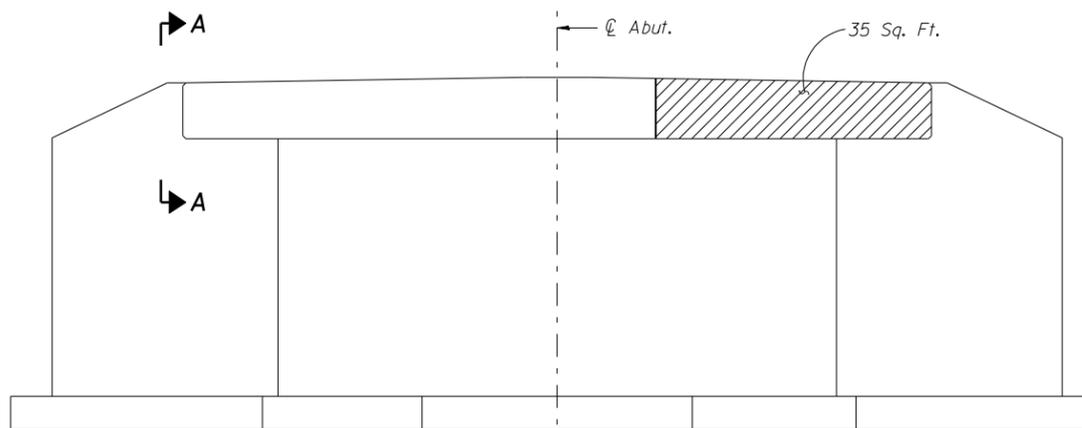
HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: _____ Date: _____



VIEW A-A

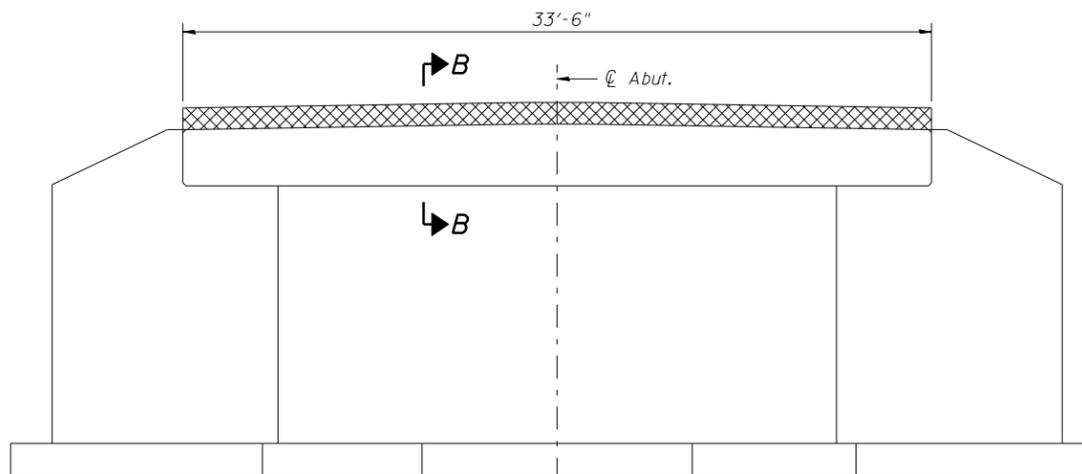


SECTION B-B



WEST ABUTMENT

Looking West



EAST ABUTMENT

Looking East

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	1.5
Structural Repair of Concrete (Depth equal to or less than 5")	Sq. Ft.	38

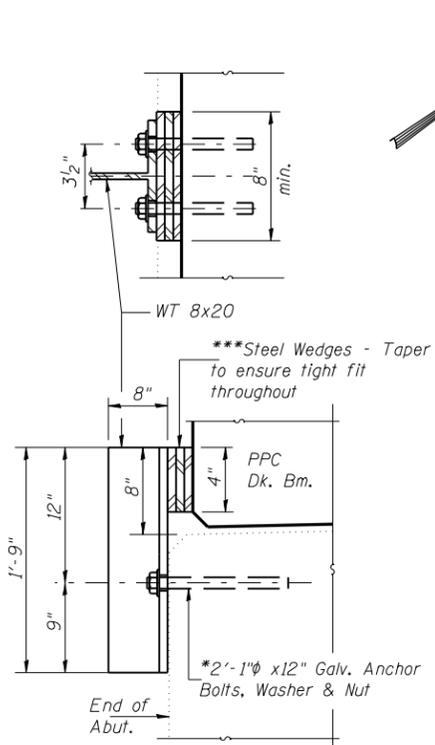
LEGEND

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Concrete Removal

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

**ABUTMENT CONCRETE REPAIR
& REMOVAL**
F.A.P 753 (ILL 104) OVER
WOODS CREEK
SECTION 128BR-1
MORGAN COUNTY
STATION 726+50.29
STR. NO. 069-0022

HUTCHISON ENGINEERING, INC.
 JACKSONVILLE, ILLINOIS
 Rev: _____ Date: _____

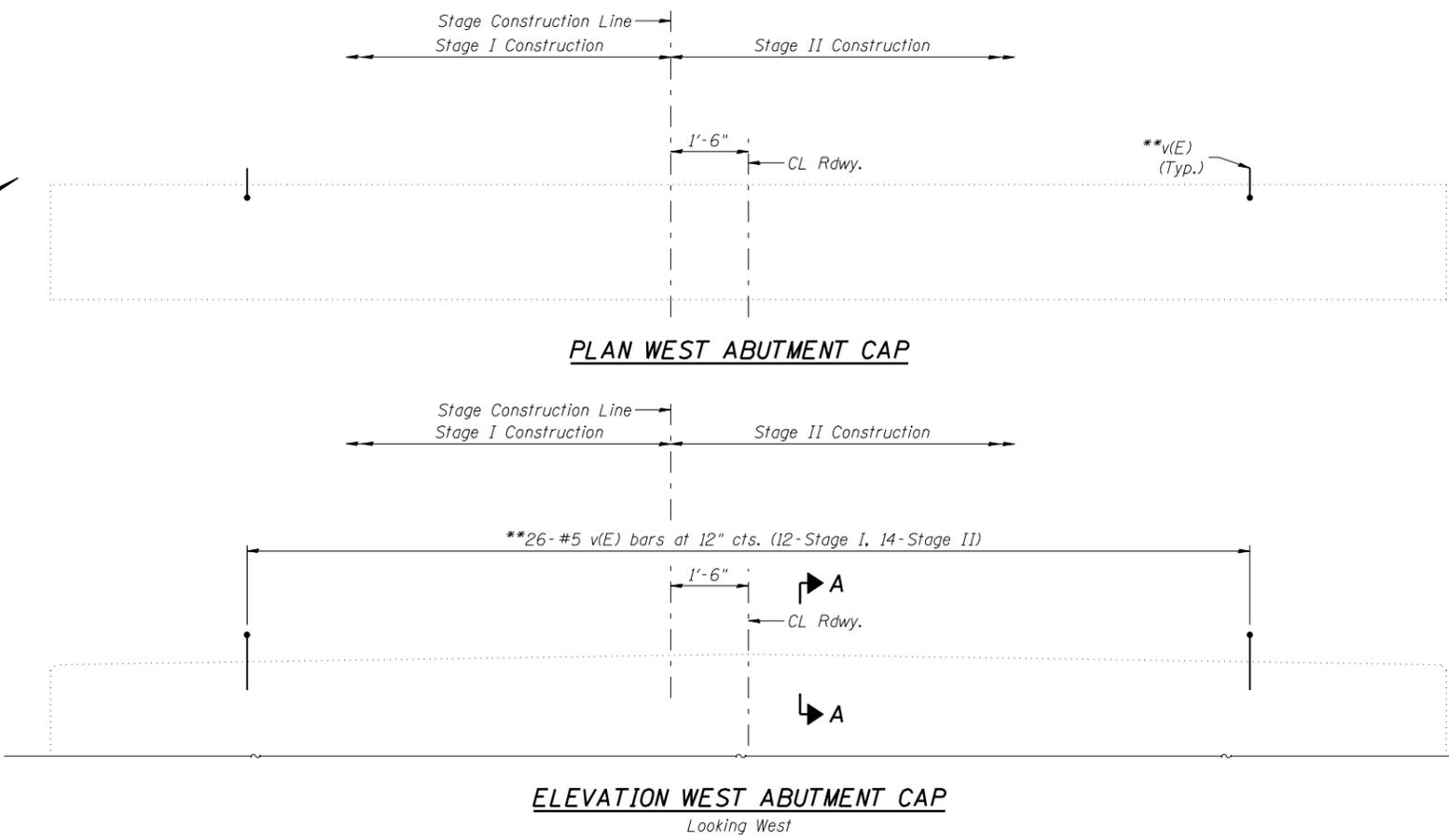


RETAINER DETAIL

* Anchor bolts will be approved threaded rod placed in drilled holes and grouted in place. Cost of retainer and accessories are included with Precast Prestressed Concrete Deck Beams.
 *** Remove steel wedges after concrete wearing surface has cured.

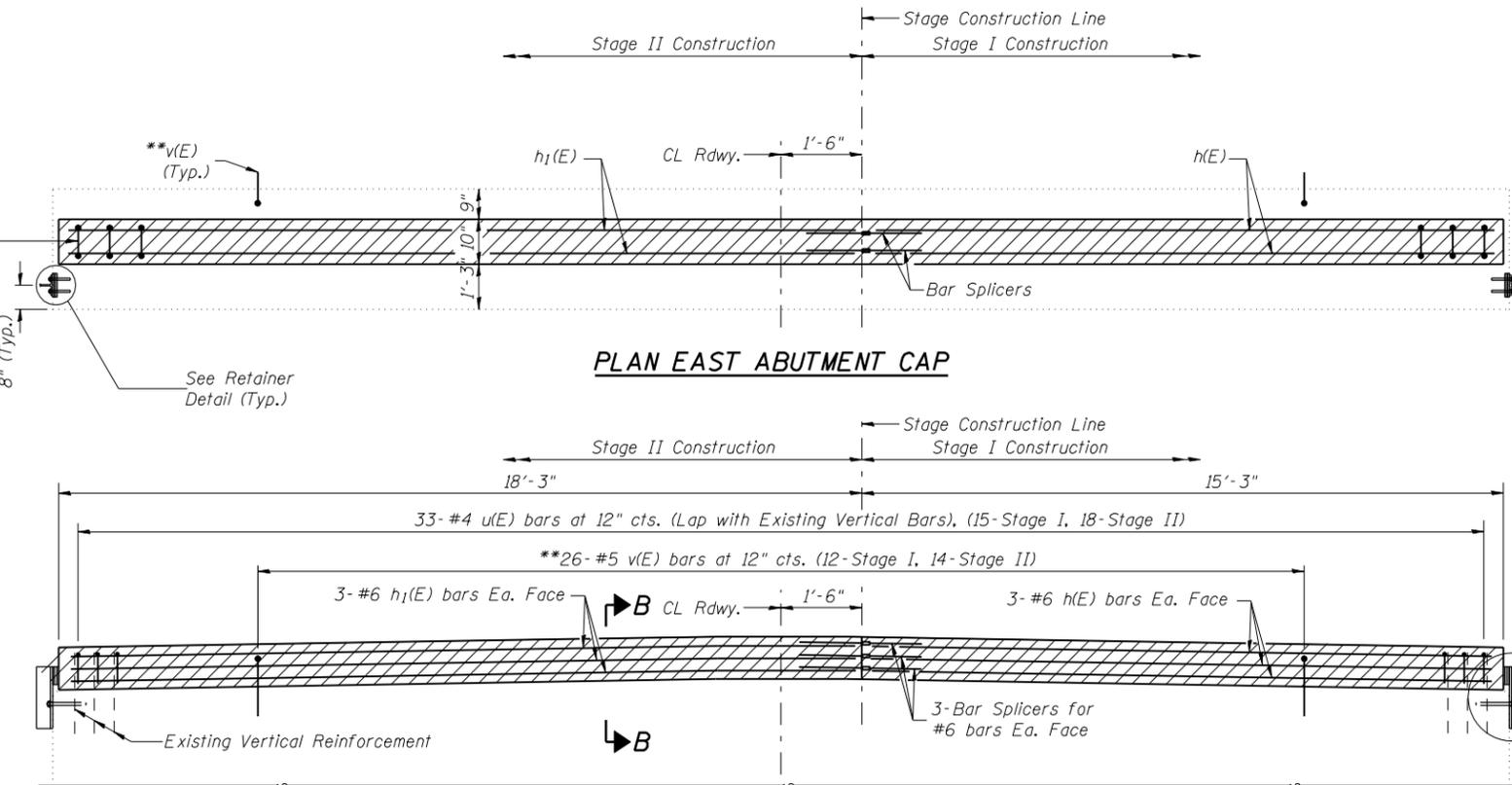
** Epoxy grout bars v(E) in 9" min. drilled holes according to Section 584 of the Standard Specifications.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN



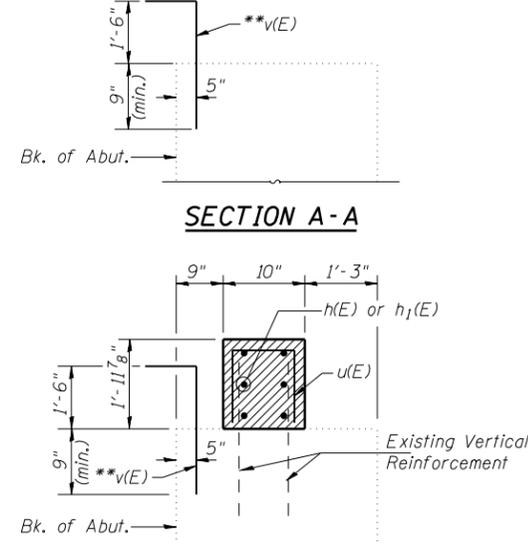
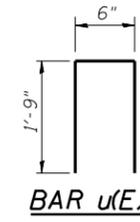
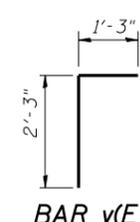
ELEVATION WEST ABUTMENT CAP

Looking West



ELEVATION EAST ABUTMENT CAP

Looking East



Notes:
 Existing reinforcement bars extending into new construction shall be cleaned, straightened and incorporated into the new construction. Cost to be included with Concrete Removal.
 Hatched area shall be poured after Concrete Wearing Surface on PPC Deck Beams is in place and cured.
 For additional anchor bolt notes, see sheet 2 of 12.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#6	15'-0"	—
h1(E)	6	#6	18'-0"	—
u(E)	33	#4	4'-0"	□
v(E)	52	#5	3'-6"	Γ
Concrete Structures		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Lbs.	580	

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

ABUTMENT DETAILS
 F.A.P. 753 (ILL 104) OVER
 WOODS CREEK
 SECTION 128BR-1
 MORGAN COUNTY
 STATION 726+50.29
 STR. NO. 069-0022

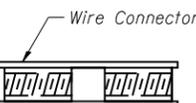
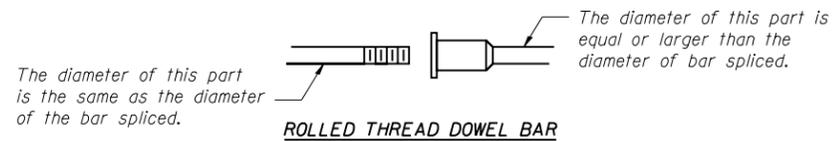
HUTCHISON ENGINEERING, INC.
 JACKSONVILLE, ILLINOIS
 Rev: _____ Date: _____

NOTES

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

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

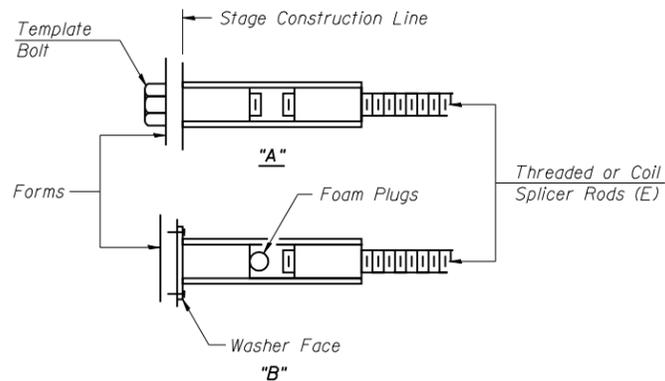
BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



WELDED SECTIONS

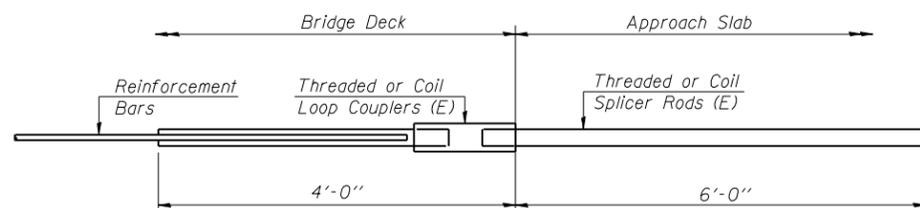
BAR SPLICER ASSEMBLY ALTERNATIVES

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



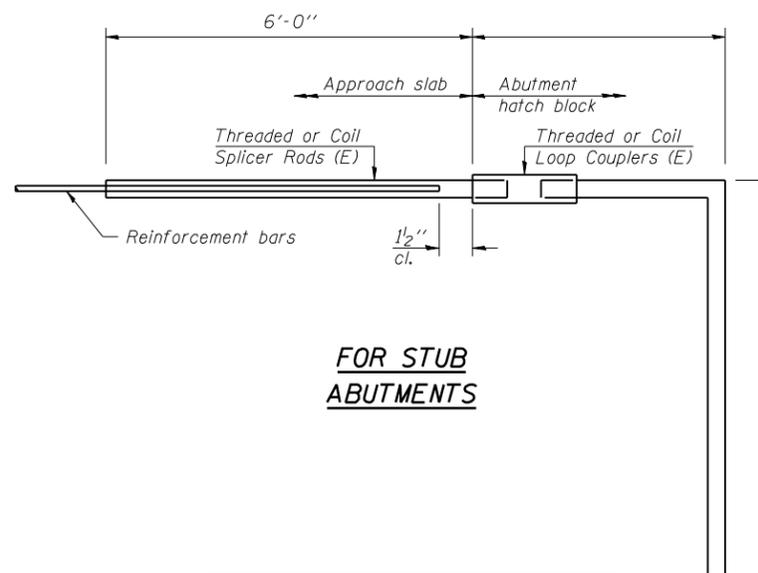
INSTALLATION AND SETTING METHODS

"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.



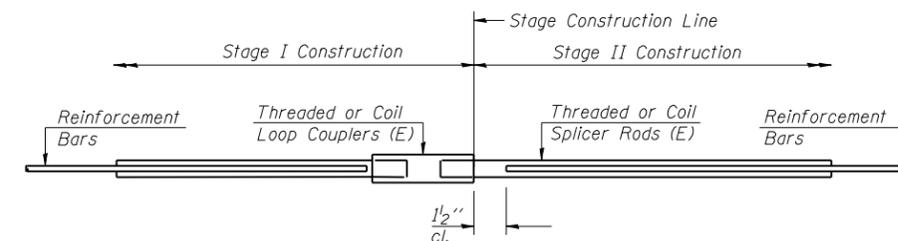
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

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 =	



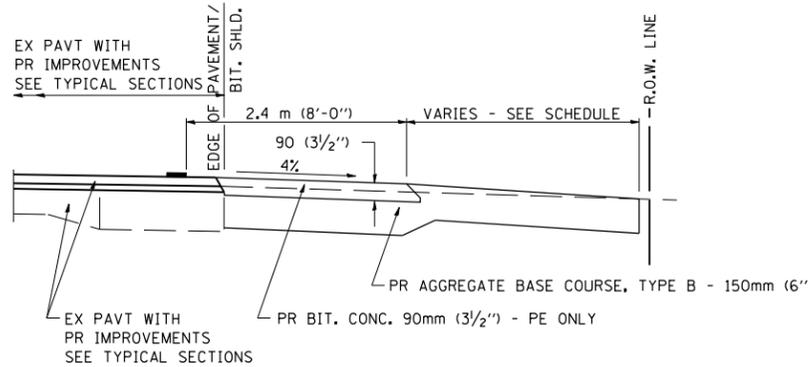
STANDARD

Bar Size	No. Assemblies Required	Location
#4	167	Conc. wear. Surf.
#6	6	E. Abut

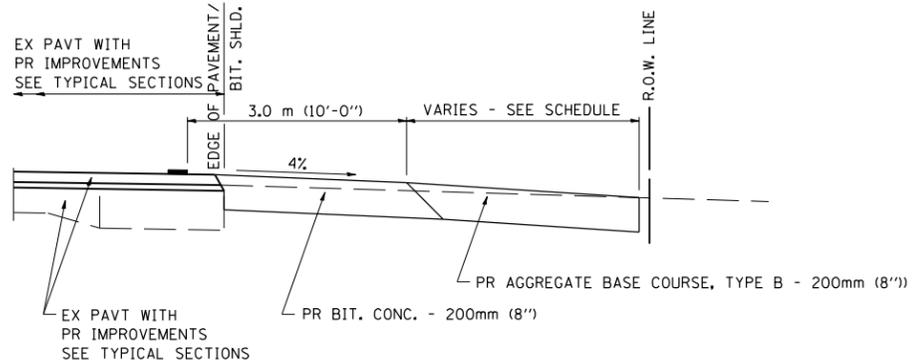
DESIGNED	BAN
CHECKED	JOH
DRAWN	TC
CHECKED	BAN

BAR SPLICER ASSEMBLY DETAILS
 F.A.P. 753 (ILL 104) OVER
 WOODS CREEK
 SECTION 128BR-1
 MORGAN COUNTY
 STATION 726+50.29
 STR. NO. 069-0022

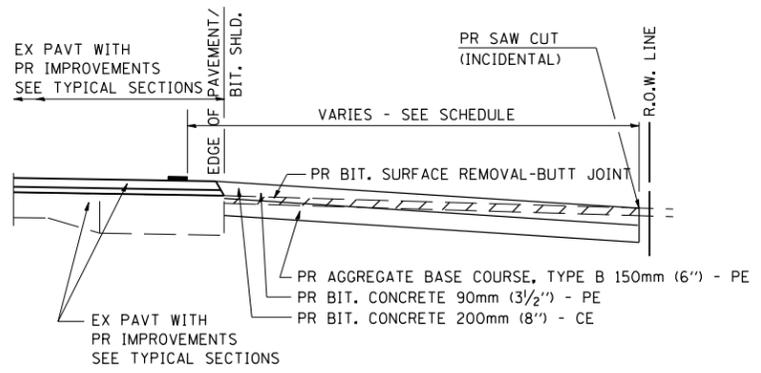
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



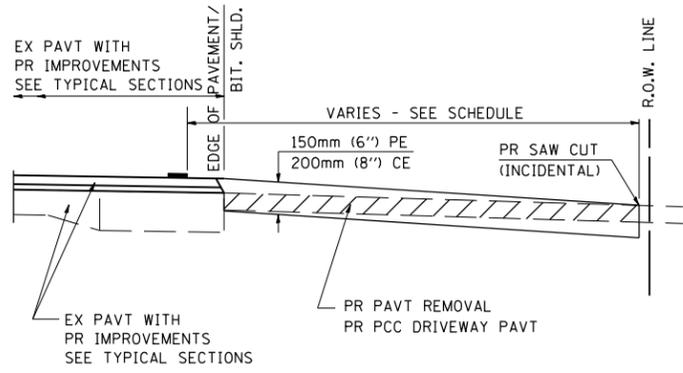
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



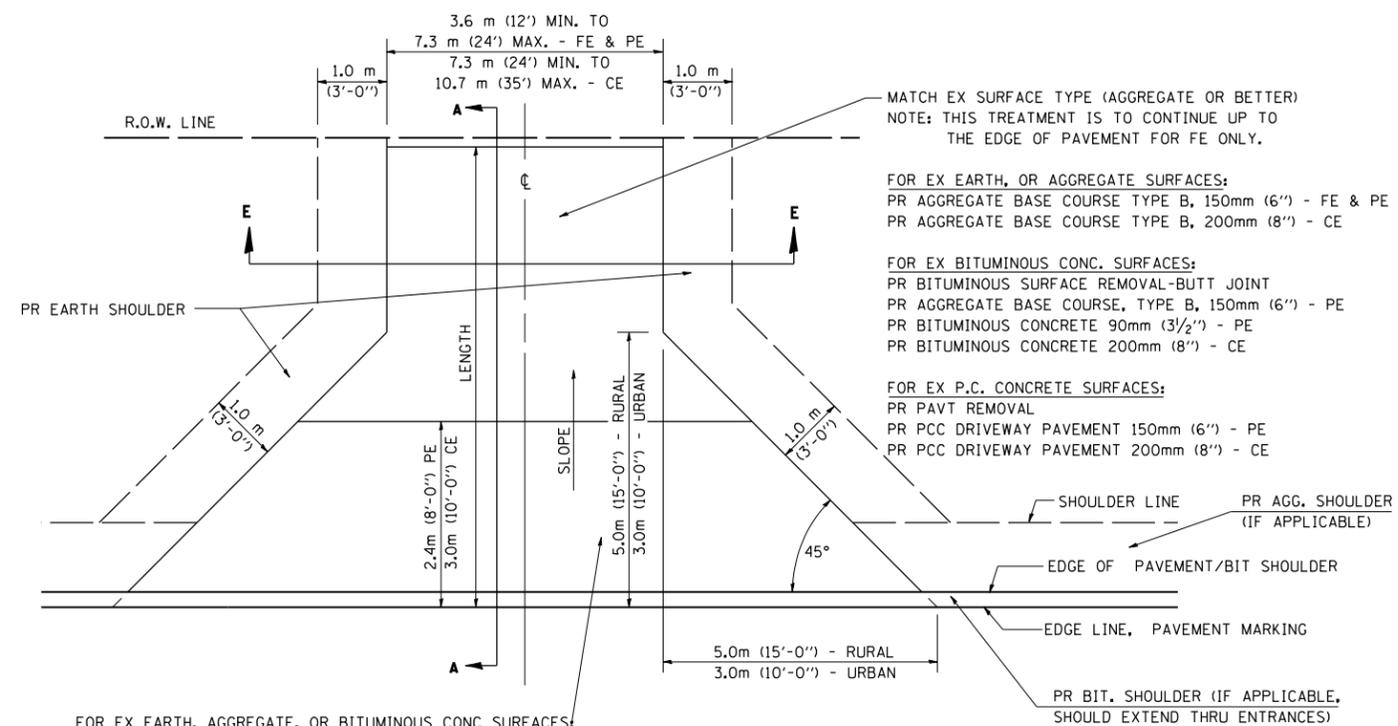
SECTION A-A FOR EX EARTH/AGGREGATE CE



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)

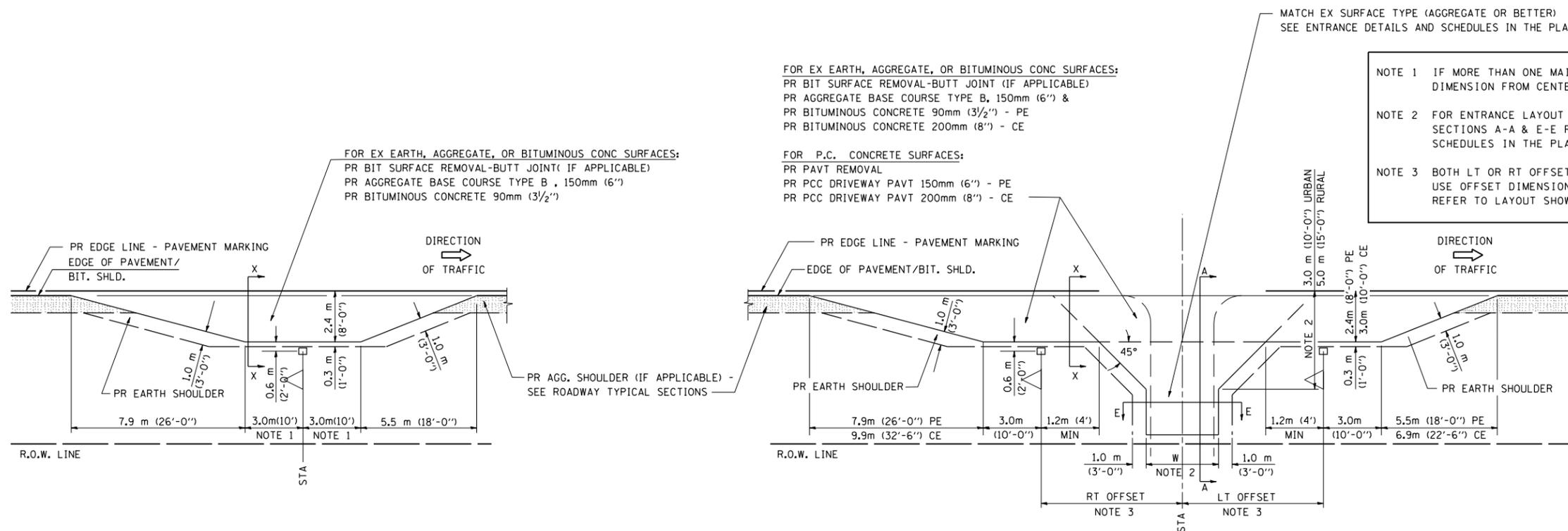
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 DATE: FEBRUARY 23, 1999

DRAWN BY: CADD
 CHECKED BY: JCN

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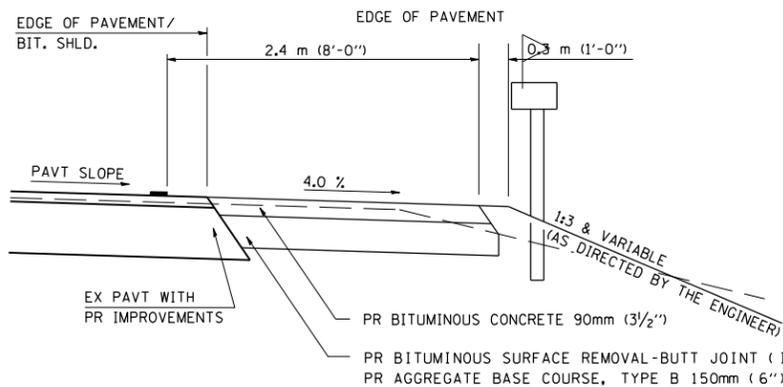
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	115(BR-1)	HANCOCK	40	33
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF MAILBOX TURNOUTS

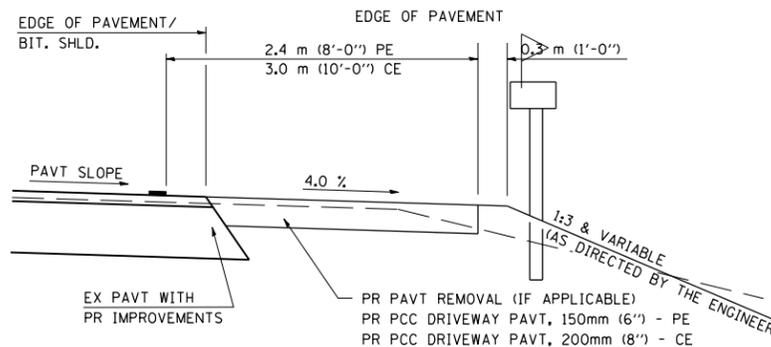


PLAN - MAILBOX TURNOUTS

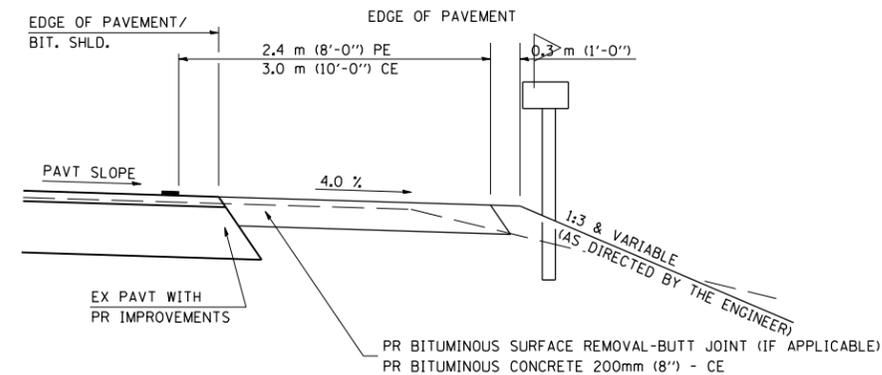
PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE



SECTION X-X THRU MAILBOX TURNOUT COMBINED WITH EX CONC PE OR CE



SECTION X-X THRU MAILBOX TURNOUT COMBINED WITH EX EARTH, AGGREGATE, OR BITUMINOUS CE

SHEET 2 OF 3

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)

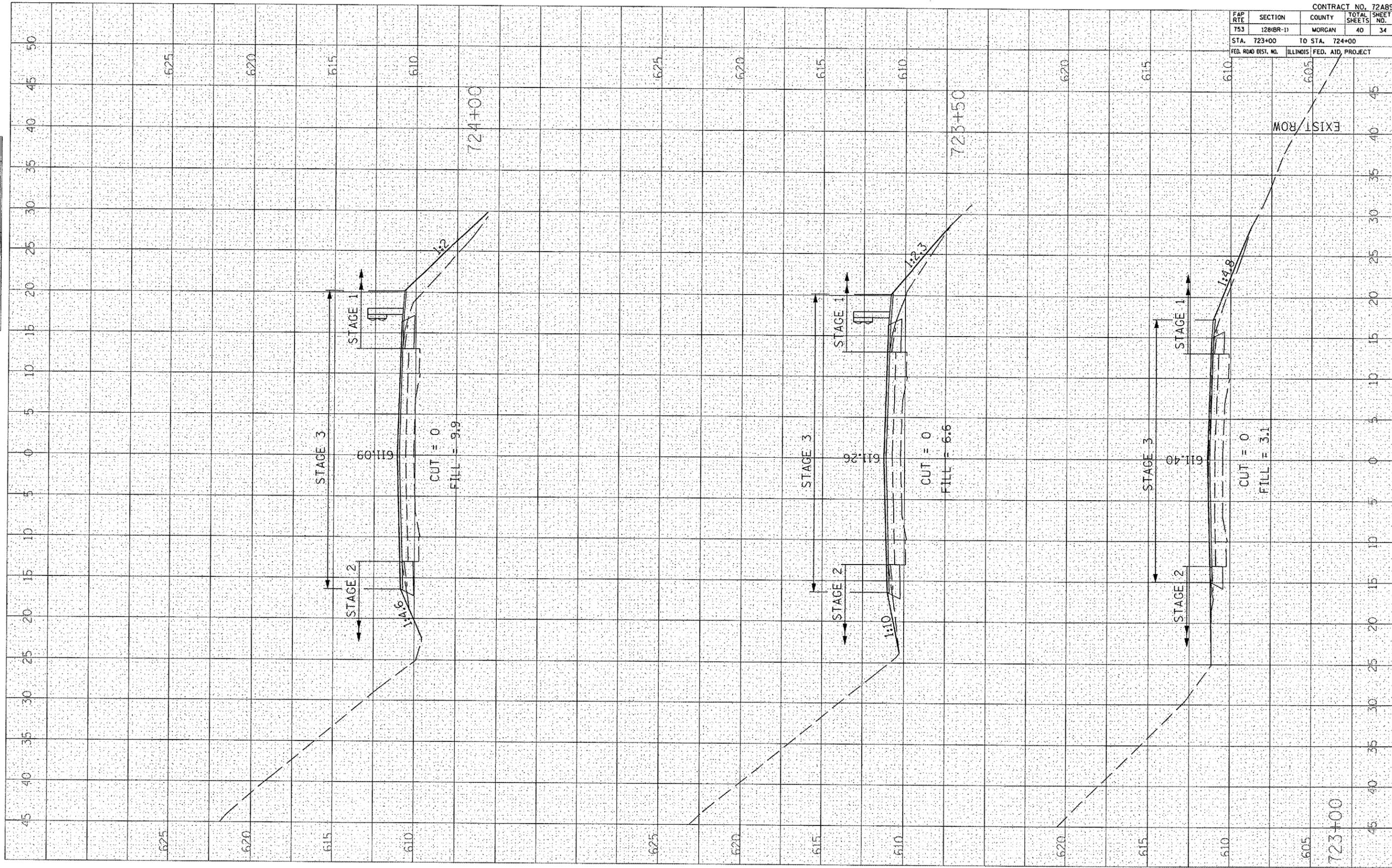
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 DATE: FEBRUARY 23, 1999
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PLOT DATE: 7/2/2007
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 FINISH SURVEY PLOTTED AREAS CHECKED

ORIGINAL SURVEY PLOTTED AREAS CHECKED
 FINISH SURVEY PLOTTED AREAS CHECKED

FINISH SURVEY PLOTTED AREAS CHECKED
 NOTE BOOK NO.
 BY DATE



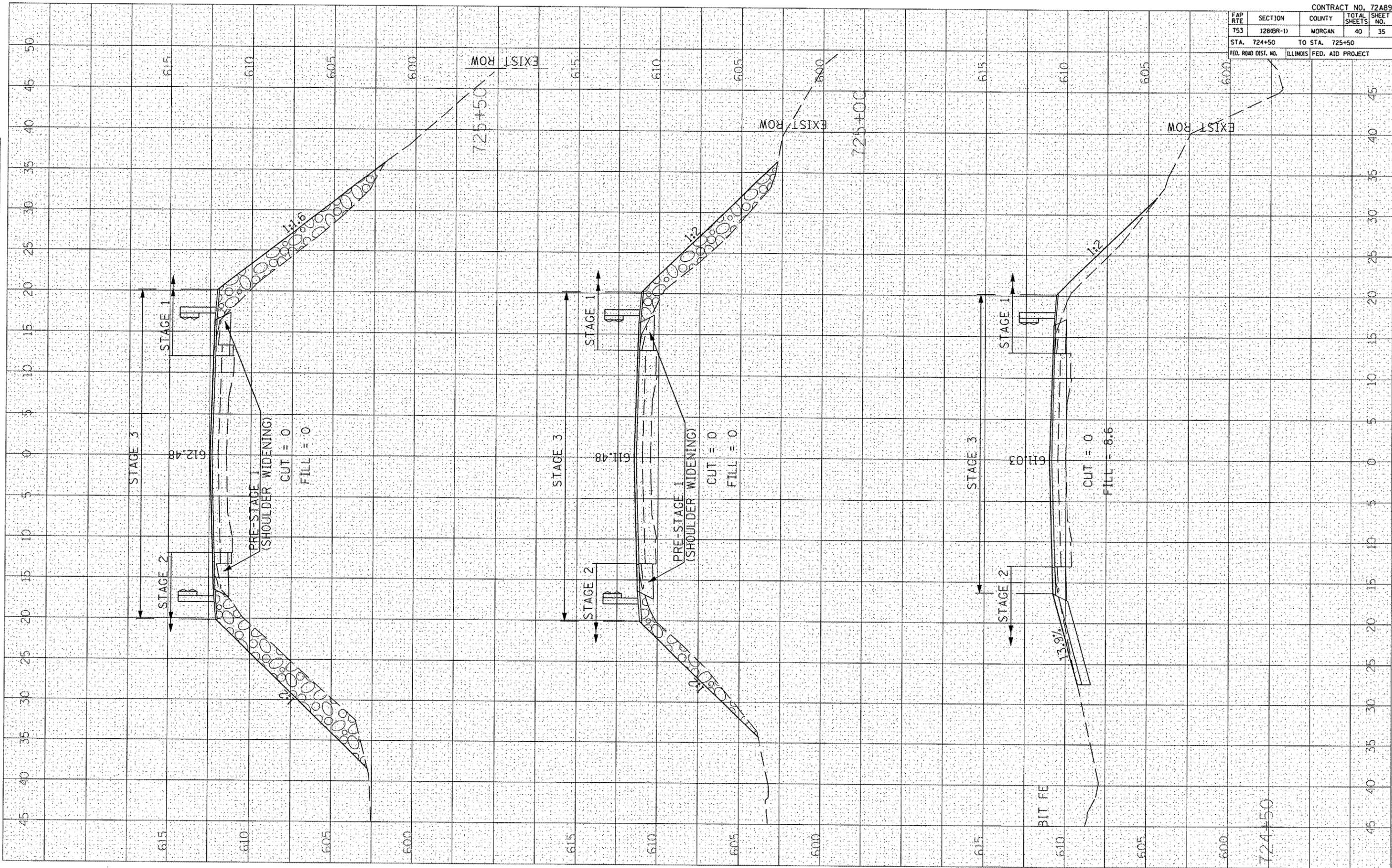
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753	1281BR-11	MORGAN	40	34
STA. 723+00		TO STA. 724+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLOT DATE = 8/2/2007
 PLOT SCALE = 10.0000 IN.
 USER NAME = laughton1

ORIGINAL SURVEY
 SURVEY PLOTTED
 NUMBER OF REVISIONS
 AREAS CHECKED

FINAL SURVEY
 NOTE BOOK
 TEMPLATE
 AREAS CHECKED

BY: _____ DATE: _____
 NO. _____

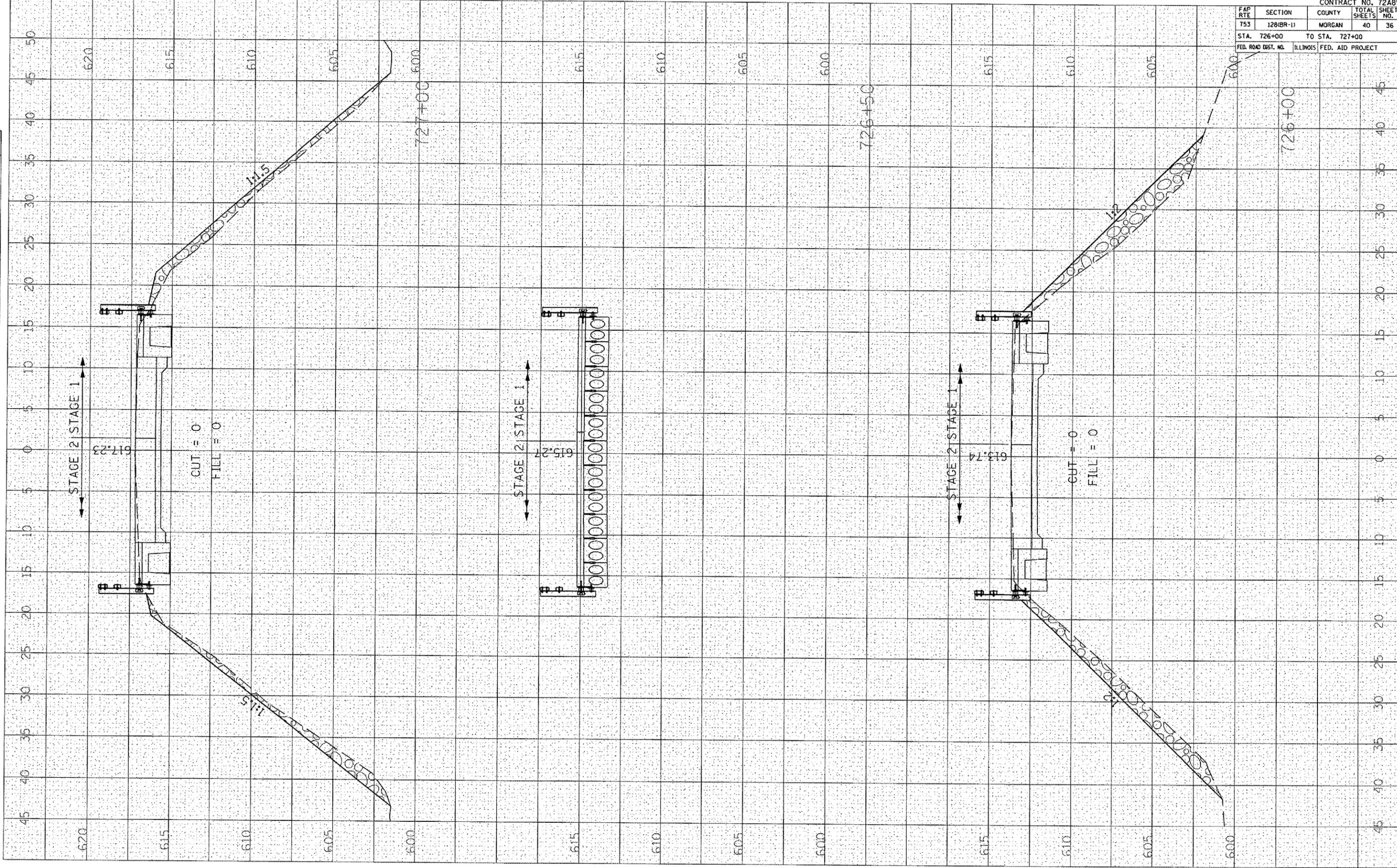


CONTRACT NO. 72A89				
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753	128(BR-1)	MORGAN	40	35
STA. 724+50		TO STA. 725+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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ORIGINAL SURVEY
 SURVEY NO. _____
 DATE _____
 BY _____

FINAL SURVEY
 SURVEY NO. _____
 DATE _____
 BY _____



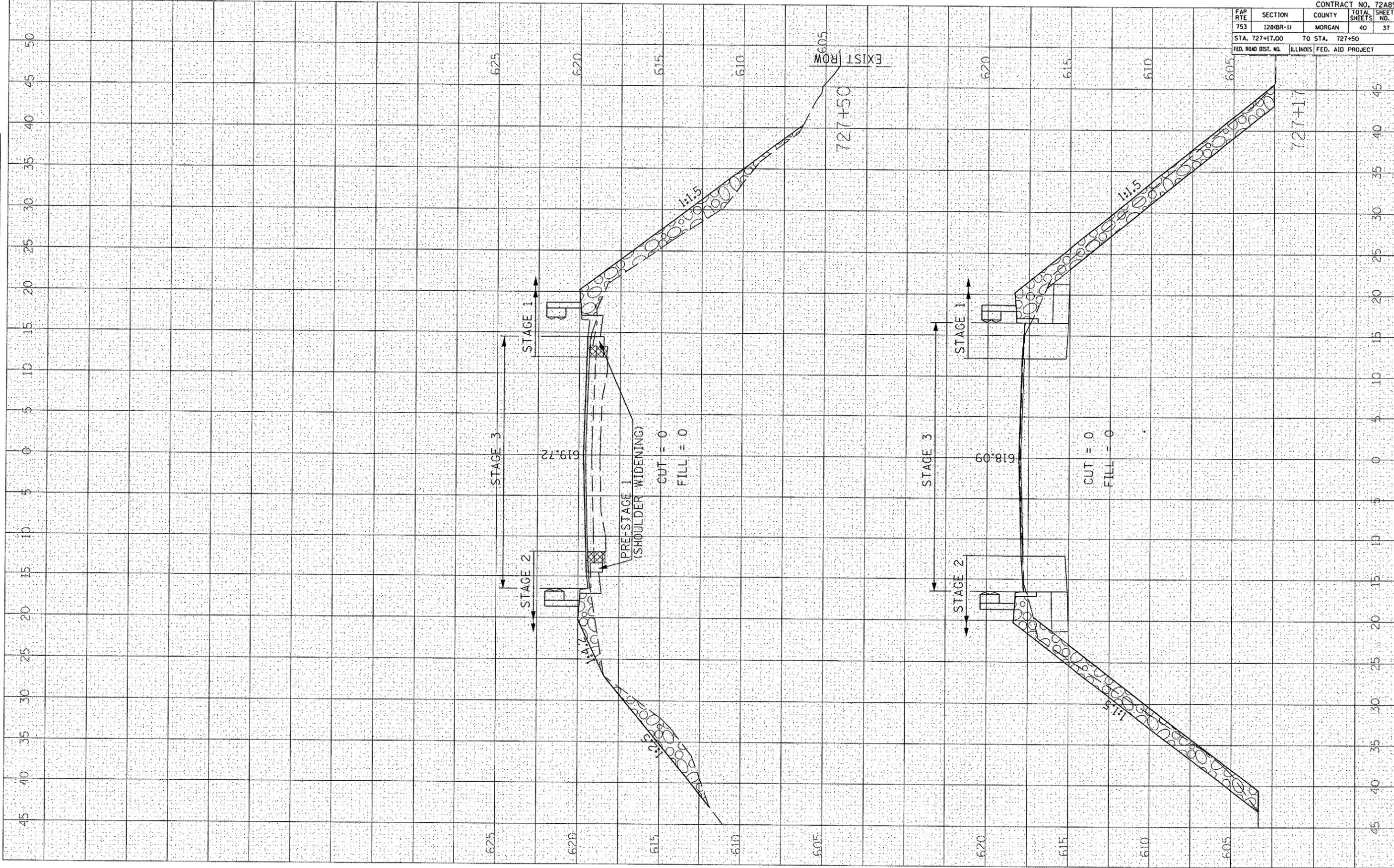
CONTRACT NO. 72A89			
FAP RTE	SECTION	COUNTY	TOTAL SHEETS
753	128(BR-1)	MORGAN	40
STA. 726+00		TO STA. 727+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

727+00
 600
 605
 610
 615
 620
 726+50
 600
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ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK
 AREAS CHECKED
 BY
 DATE

FINISH SURVEY
 SURVEY PLOTTED
 NOTE BOOK
 AREAS CHECKED
 BY
 DATE



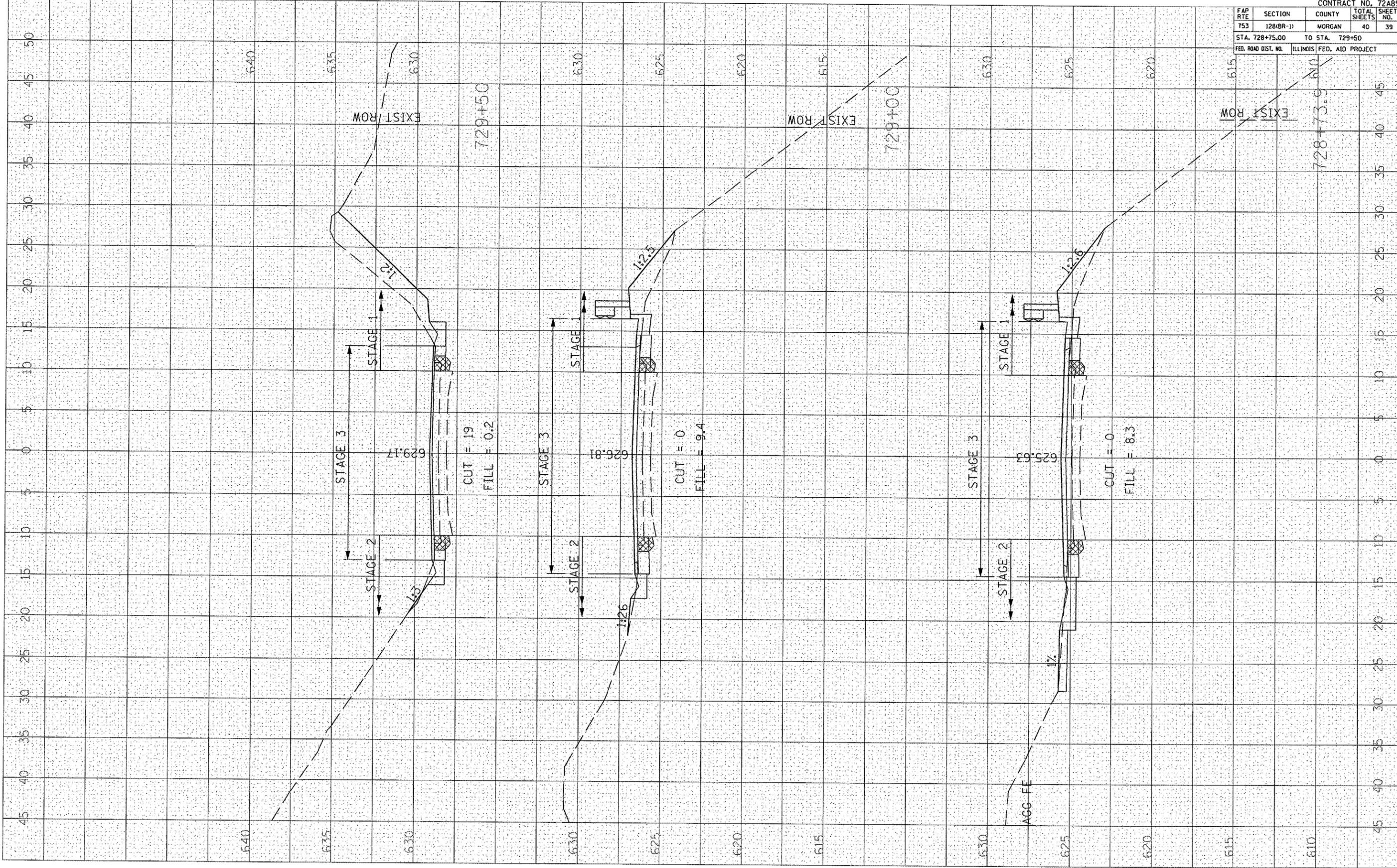
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753	128(BR-1)	MORGAN	40	37
STA. 727+17.00		TO STA. 727+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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ORIGINAL SURVEY PLOTTED
 SURVEY PLOTTED
 AREAS CHECKED

FINAL SURVEY PLOTTED
 NOTE BOOK AREAS CHECKED

BY: _____ DATE: _____



CONTRACT NO. 72A89			
FAP RTE	SECTION	COUNTY	TOTAL SHEETS
753	12808R-11	MORGAN	40
STA. 728+75.00		TO STA. 729+50	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

SHEET NO.
39

