

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

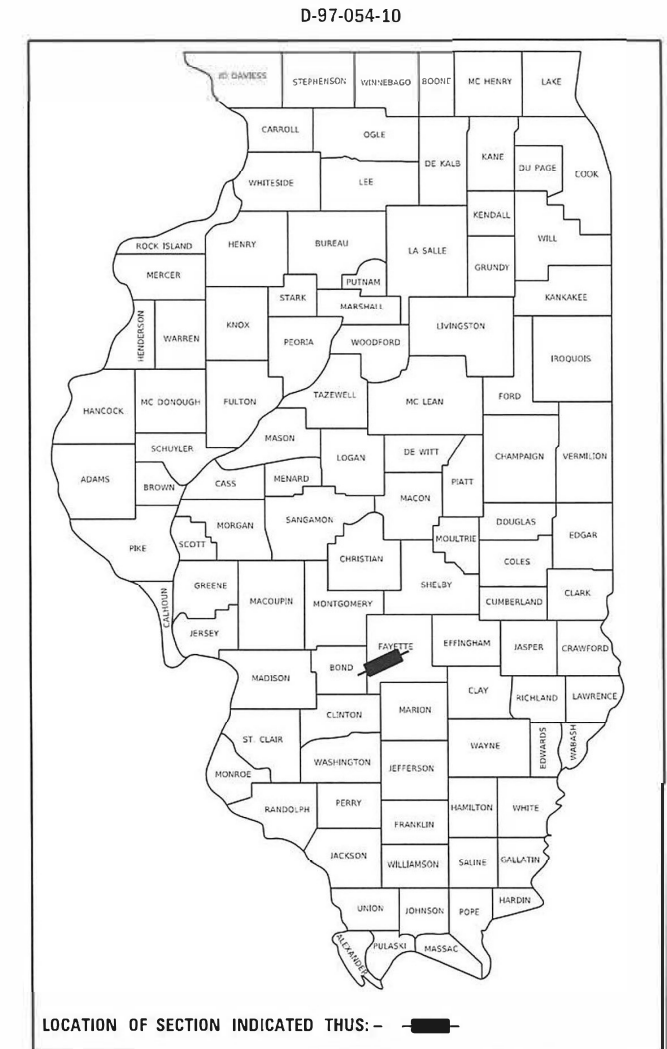
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	1
		ILLINOIS	CONTRACT NO. 74471	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

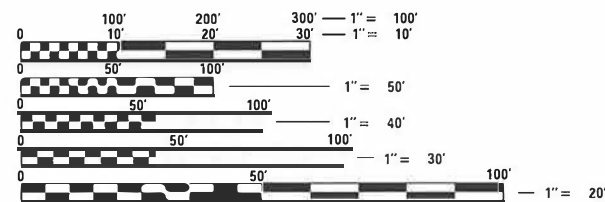
**PROPOSED  
HIGHWAY PLANS**

**FAU 8413, FAU 8437 (US 40)  
SECTION (0-2),(26-1K)RS  
PROJECT STP-NHPP-0T8D(673)  
3R RESURFACING AND BRIDGE REHABILITATION  
FAYETTE COUNTY**

C-97-113-10



**FUNCTIONAL CLASSIFICATION**  
**URBAN MINOR ARTERIAL**  
**2021 ADT = 4850**

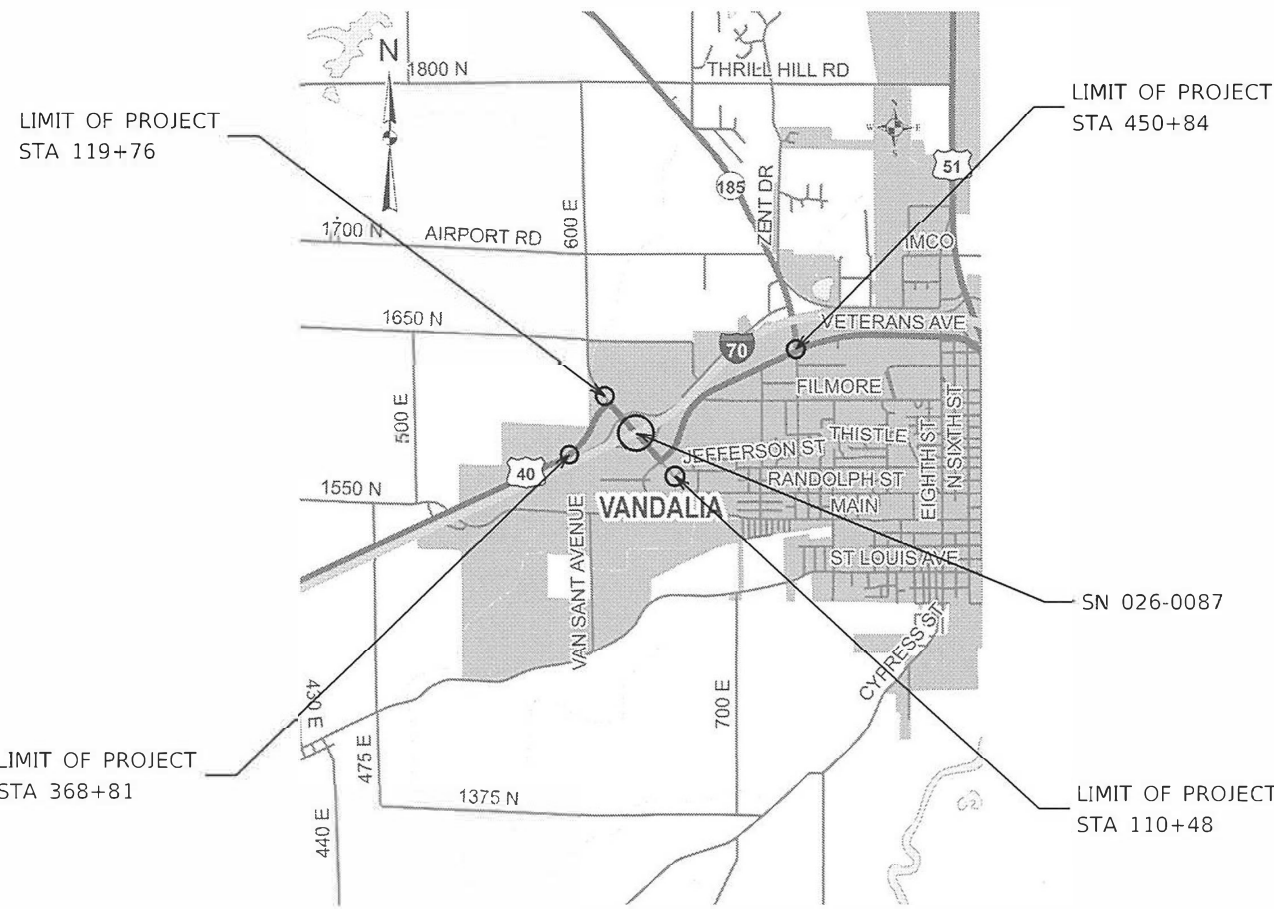


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**PROJECT ENGINEER: MATT BOWER**  
**PROJECT MANAGER: REID TORBECK**

**CONTRACT NO. 74471**



GROSS LENGTH = 17329 FT. = 3.28 MILE  
NET LENGTH = 17329 FT. = 3.28 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 25, 2023  
Jeffrey P. Myrnes  
REGIONAL ENGINEER

October 13, 2023  
Scott A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023  
Steph M. Lewis  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS & GENERAL NOTES
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7-8	SCHEDULES OF QUANTITIES
9-11	TYPICAL SECTIONS
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42-44	TRAFFIC CONTROL STAGING PLANS
45	PLAN OVERVIEW
47-64	PAVEMENT MARKING PLANS
65-79	BRIDGE REPAIR PLANS
80-85	SPECIAL DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING FINAL NUMBERED SHEET.

STD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
606001-08	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' TO EDGE OF PAVEMENT
701011-04	OFF ROAD MOVING OPERATIONS-2L, 2W-DAY ONLY
701201-05	LANE CLOSURE 2L2W- DAY ONLY
701301-04	LANE CLOSURE - SHORT TERM OPERATIONS
701311-03	LANE CLOSURE - MOVING OPERATIONS - DAY ONLY
701316-13	LANE CLOSURE 2L2W-BRIDGE REPAIR FOR SPEEDS > 45 MPH
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701456-05	PARTIAL EXIT RAMP CLOSURE / FREEWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS C PATCHES
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

GENERAL NOTES:

THE WORK INCLUDED IN SECTION (O-2),(26-1K)RS CONSISTS OF BRIDGE REHABILITATION, CONCRETE PAVEMENT PATCHING, HMA RESURFACING, AGGREGATE SHOULDERS, AND OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE PROPOSED PROJECT BEGINS 0.3 WEST OF I-70/US-40 INTERCHANGE AND EXTENDS EAST TO THE INTERSECTION OF US-40/IL-185. THE PROJECT ALSO EXTENDS TO NORTH AND SOUTH LIMITS OF THE STATE CONTROLLED PAVEMENT THE CARRIES US-40 OVER I-70 AND INCLUDES THE RAMPS AT THE I-70/US-40 INTERCHANGE.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE, THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON TOP OF THE HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N90 AT ALL CENTERLINE AND TURN LANE JOINTS.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, PAINT SHALL BE USED ON MILLED SURFACES AND TEMPORARY TAPE SHALL BE USED ON SURFACE COURSE.

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

AGGREGATE WEDGE SHOULDERS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (2")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	QCP	1000	N/A
MAINLINE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (1 3/4")	SBS PG 70-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	QCP	1000	N/A
SHOULDERS	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
SHOULDERS	HMA BINDER COURSE, IL-19.0, N70 (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA	3000	N/A
INCIDENTAL	INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	N/A	N/A

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STANDARDS AND GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

80% FED 90% FED 90% FED  
 20% STATE 10% STATE 10% STATE

80% FED 90% FED 90% FED  
 20% STATE 10% STATE 10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SO YD	697			697
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	23.1	23.1		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	38569	28722		9847
40600370	LONGITUDINAL JOINT SEALANT	FOOT	8075	8075		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1788	1024		764
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	679	679		
40600990	TEMPORARY RAMP	SO YD	1233.3	900.1		333.2
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	4684	3273		1411
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	5497	3865		1632
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	223	223		
42000060	WELDED WIRE REINFORCEMENT	SO YD	214	214		
44000100	PAVEMENT REMOVAL	SO YD	605.5	106		499.5

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	8513	8513		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	587	587		
44003100	MEDIAN REMOVAL	SO FT	34783	34783		
44200966	CLASS B PATCHES, TYPE I, 10 INCH	SO YD	44.3	44.3		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	1911.1	1911.1		
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	50.7	50.7		
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	163.3	163.3		
44201299	DOWEL BARS 1 1/2"	EACH	5006	5006		
44213200	SAW CUTS	FOOT	12507	12507		
44213204	TIE BARS 3/4"	EACH	179	179		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1200	786		414
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SO YD	1833	1833		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2348	1330		1018
50102400	CONCRETE REMOVAL	CU YD	15.1			15.1

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1)RS	FAYETTE	85	3
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

80% FED 90% FED 90% FED  
 URBAN 20% STATE 10% STATE 10% STATE

80% FED 90% FED 90% FED  
 URBAN 20% STATE 10% STATE 10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
50157300	PROTECTIVE SHIELD	SO YD	655		655	
50300100	FLOOR DRAINS	EACH	12		12	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	16.1		16.1	
50300260	BRIDGE DECK GROOVING	SO YD	1090		1090	
50300300	PROTECTIVE COAT	SO YD	1365		1365	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	3250		3250	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2070		2070	
50800515	BAR SPLICERS	EACH	22		22	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	130		130	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	18		18	
52100520	ANCHOR BOLTS, 1"	EACH	36		36	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	589	589		
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SO FT	28678	28678		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
60624600	CORRUGATED MEDIAN	SO FT	1176	1176		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	2	2		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4		4	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1		
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	0.5	0.5	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1)RS	FAYETTE	85	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

80% FED 90% FED 90% FED  
 URBAN 20% STATE 10% STATE 10% STATE

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 URBAN 20% STATE 10% STATE 10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	42312	42312		*
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	14090	14090		*
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" PAINT	FOOT	42312	42312		*
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	444	444		*
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46641	46641		*
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1152	1152		*
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	382	382		*
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	348	348		*
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	328	328		*
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	444	444		*
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	46641	46641		*
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1152	1152		*
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	382	382		*

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	348	348		
78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	328	328		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	192	192		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	192	192		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	80	80		*
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	100	100		
X7240300	SIGN REMOVAL	EACH	13	13		
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	18		18	
Z0012110	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/4"	SQ YD	1200		1200	
Z0012142	BRIDGE DECK SCARIFICATION 2 1/4"	SQ YD	1200		1200	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1302		1302	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	12		12	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	7		7	

\* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	4	4		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MAINLINE	0047 STRUCTURE	0005 I70 RAMPS

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<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>			<p>SUMMARY OF QUANTITIES</p>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<p>SCALE: SHEET OF SHEETS STA. TO STA.</p>						8413	(0-2),(26-1)RS	FAYETTE	85	6
						CONTRACT NO. 74471				
						ILLINOIS FED. AID PROJECT				

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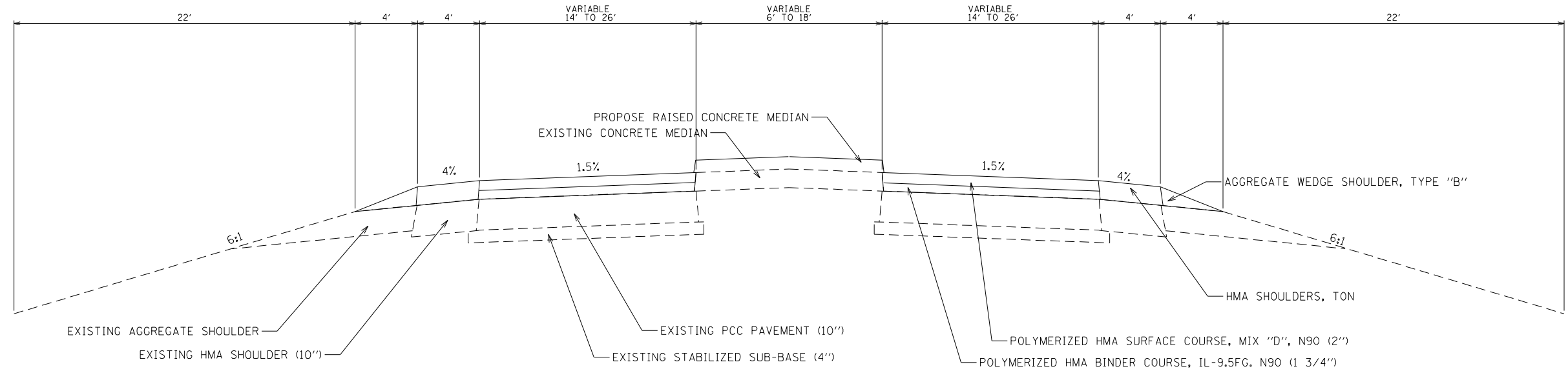






# US-40 OVERPASS SECTION

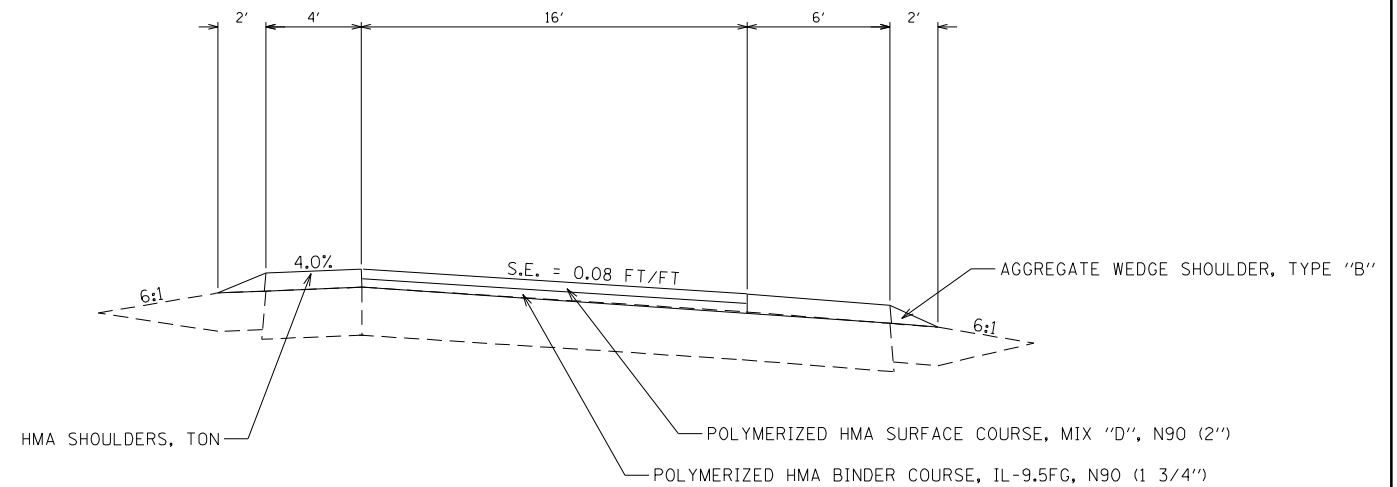
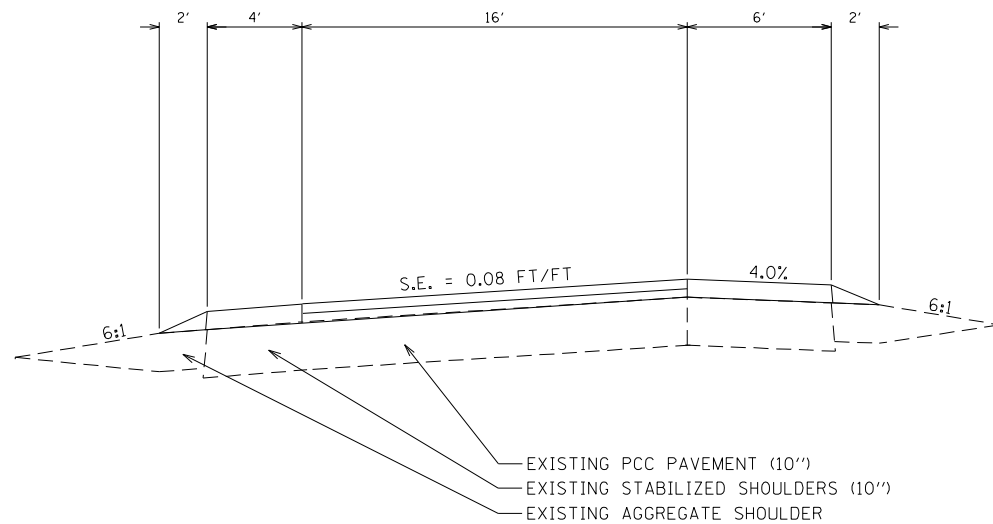
STA 80+49 TO STA 119+76



## RAMPS "A" THRU "D"

STA 1A+30.46 TO STA 5A+42.48  
STA 7B+66.85 TO STA 13B+05.31  
STA 1C+14.62 TO STA 4C+90.32  
STA 6D+79.88 TO STA 12D+51.22

STA 5A+42.48 TO STA 12A+08.57  
STA 0B+00.00 TO STA 7B+70.80  
STA 4C+82.86 TO STA 10C+92.18  
STA 0D+00.00 TO STA 6D+79.88



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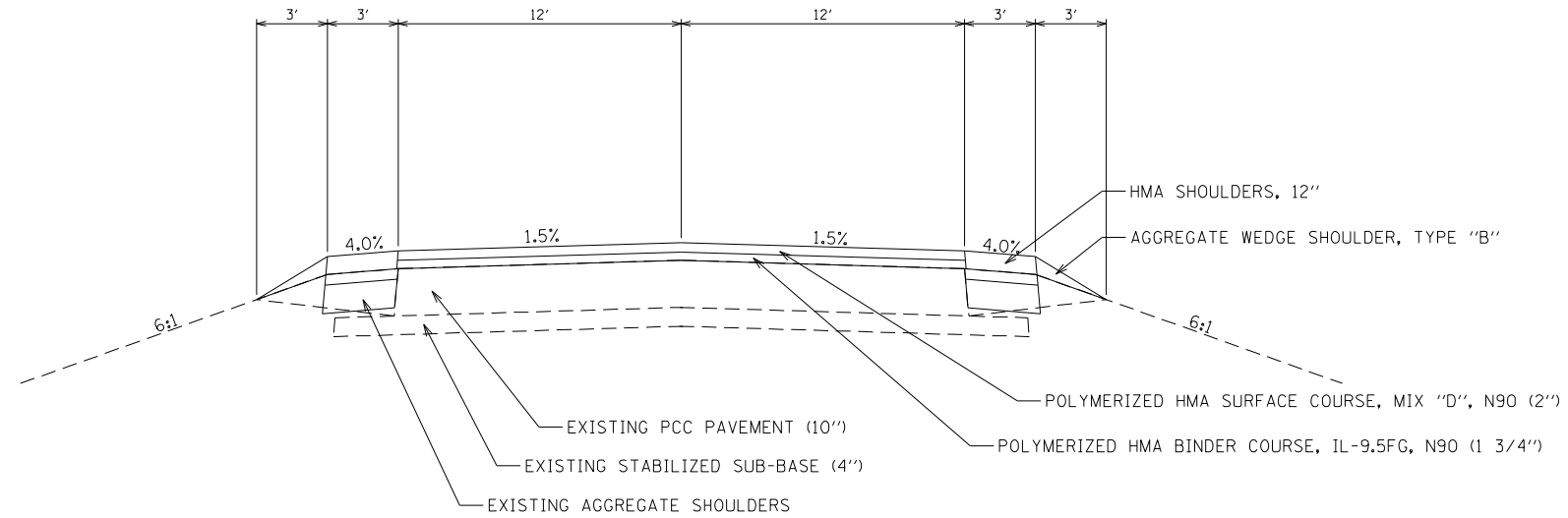
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<b>TYPICAL SECTIONS</b>		SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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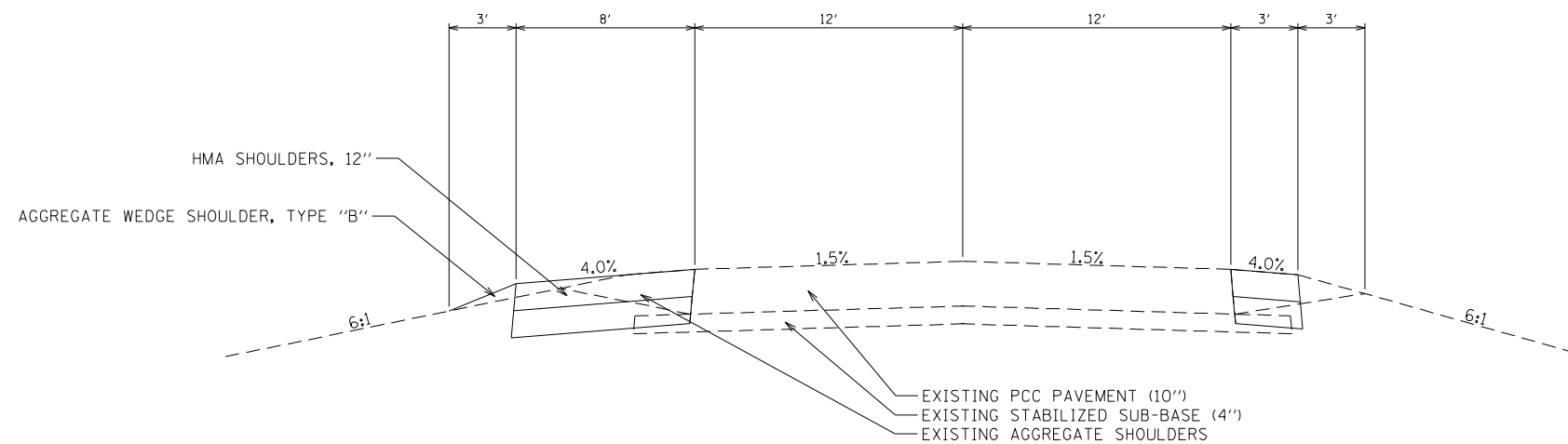
# US-40 LEG "E" ASPHALT SECTION

STA 368+81 TO STA 371+23  
STA 10+00 TO STA 22+61



# US-40 LEG "E" CONCRETE SECTION

STA 24+36 TO STA 34+21



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**STATE OF ILLINOIS  
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**TYPICAL SECTIONS**

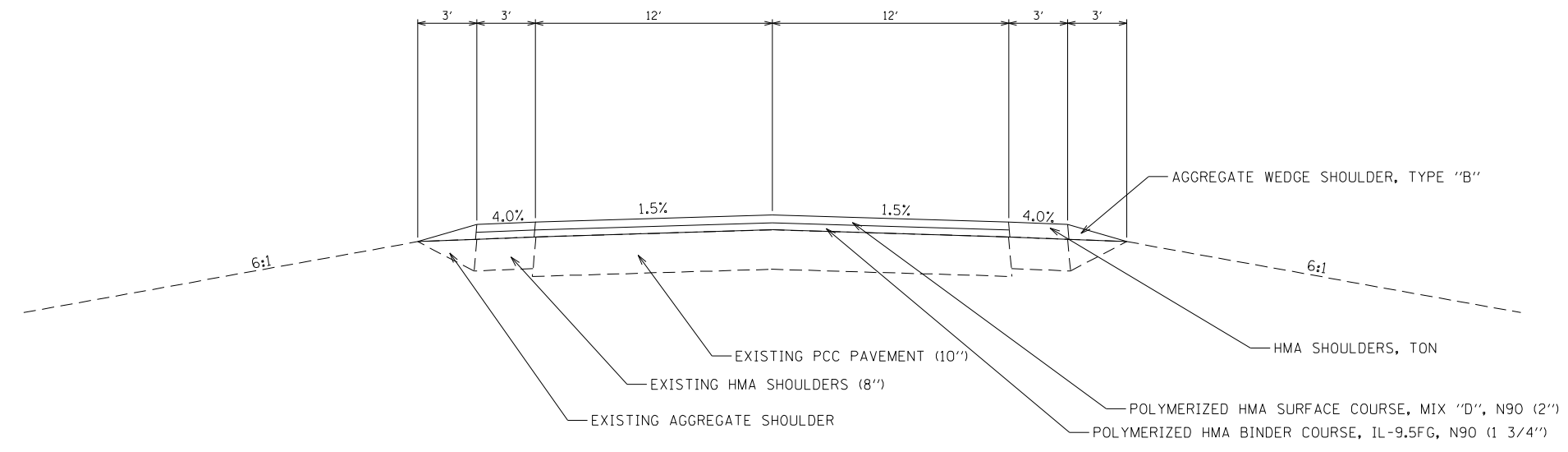
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

# US-40 LEG "F"

## CONCRETE SECTION

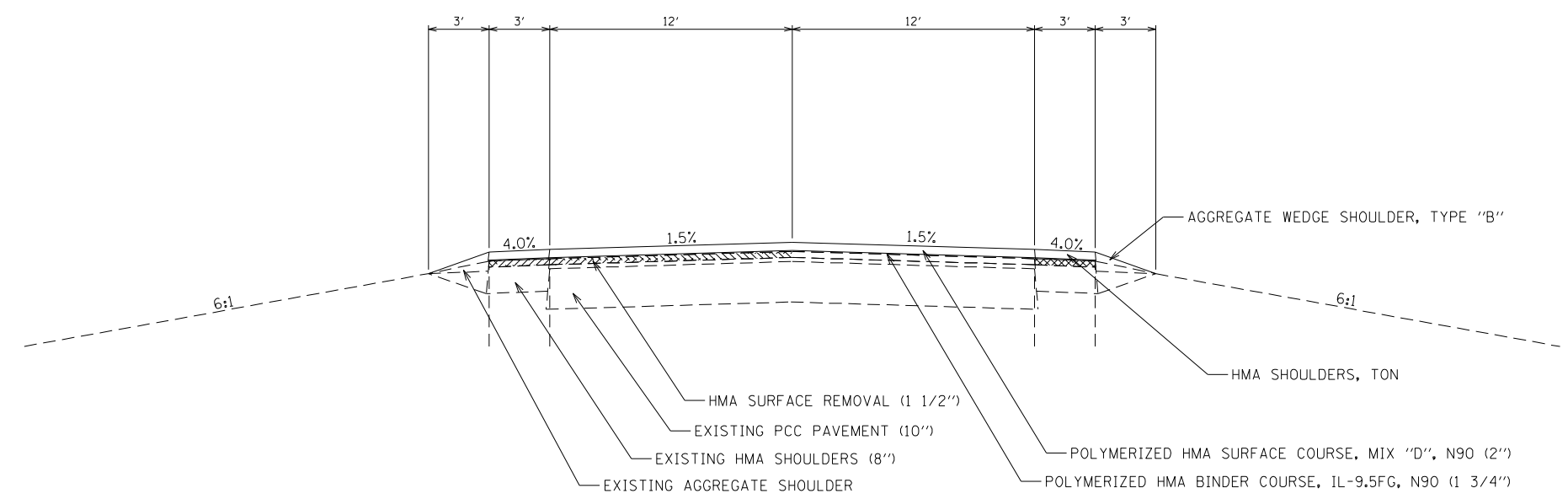
STA 0F+00 TO STA 30F+03



# US-40 LEG "F"

## ASPHALT SECTION

STA 425+45 TO STA 450+84



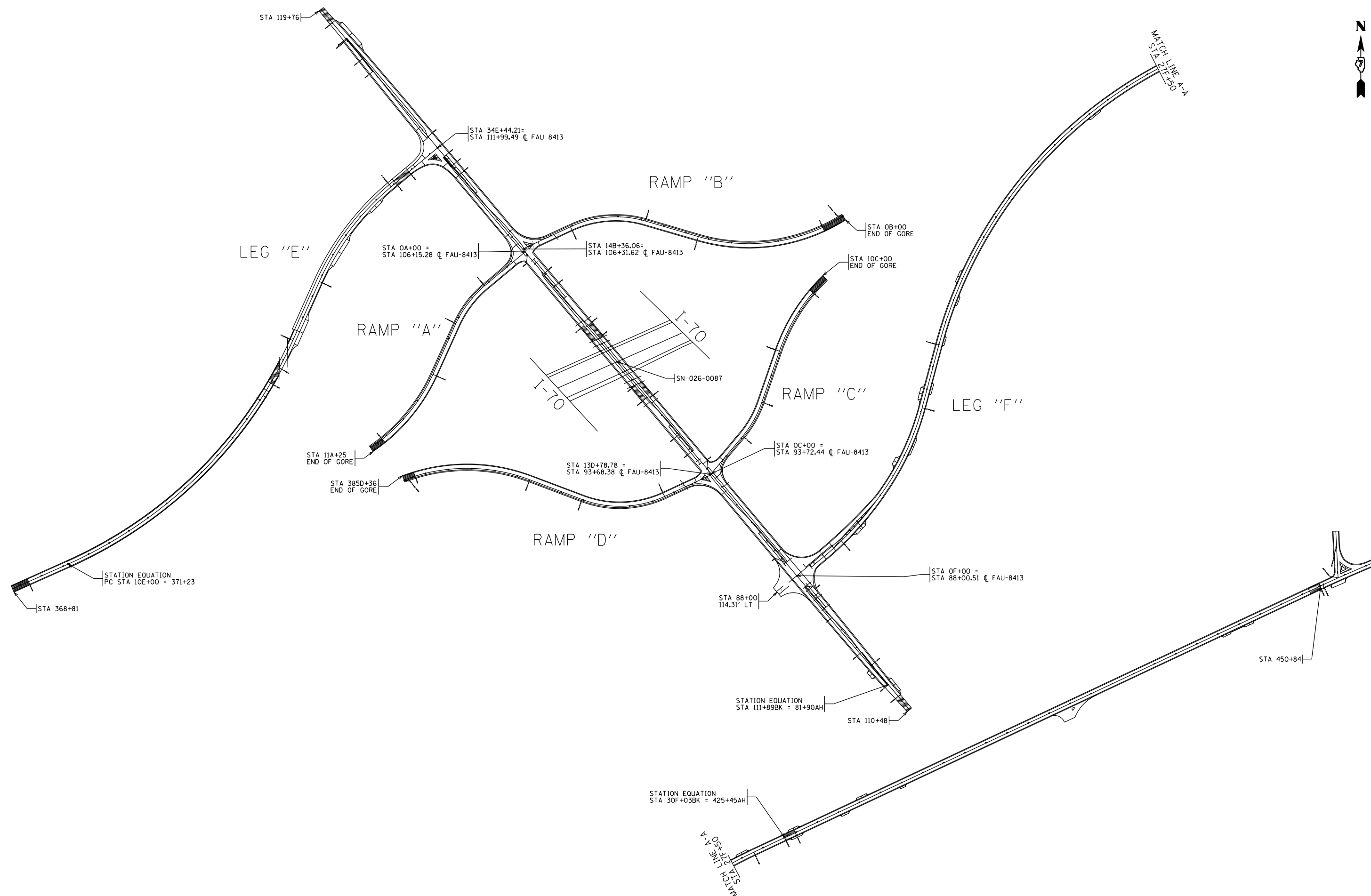
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	11
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



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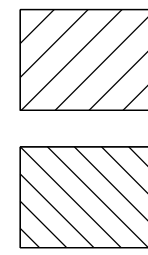
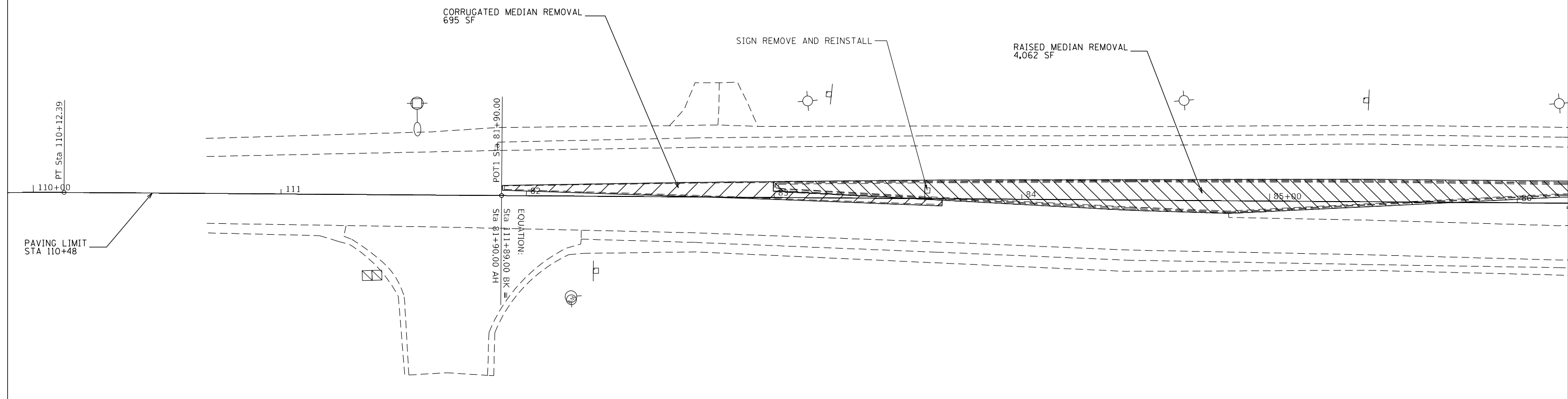
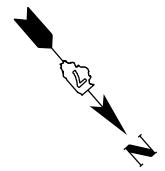
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN OVERVIEW**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	12
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



CORRUGATED MEDIAN REMOVAL  
(PAY AS MEDIAN REMOVAL)

RAISED MEDIAN REMOVAL  
(PAY AS MEDIAN REMOVAL)

NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

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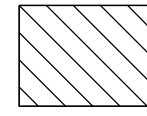
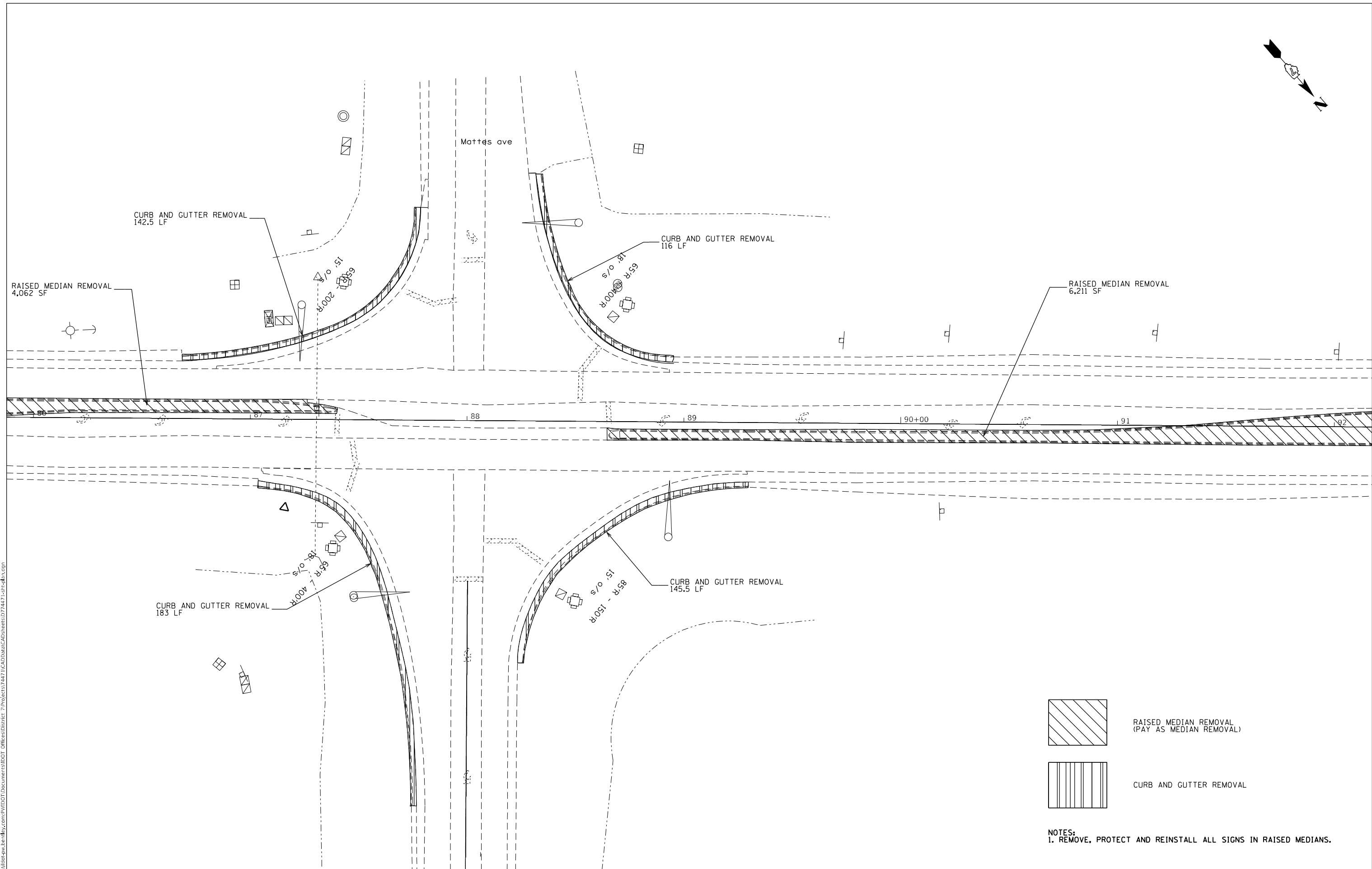
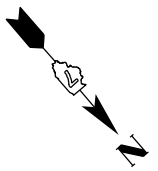
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PLOT DATE = 10/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

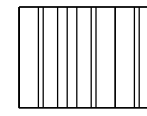
**PLAN SHEET  
I-70 OVERPASS**

SCALE: SHEET 1 OF 7 SHEETS STA. 80+49 TO STA. 85+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	13
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



RAISED MEDIAN REMOVAL  
(PAY AS MEDIAN REMOVAL)



CURB AND GUTTER REMOVAL

NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

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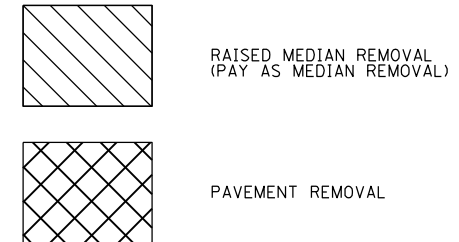
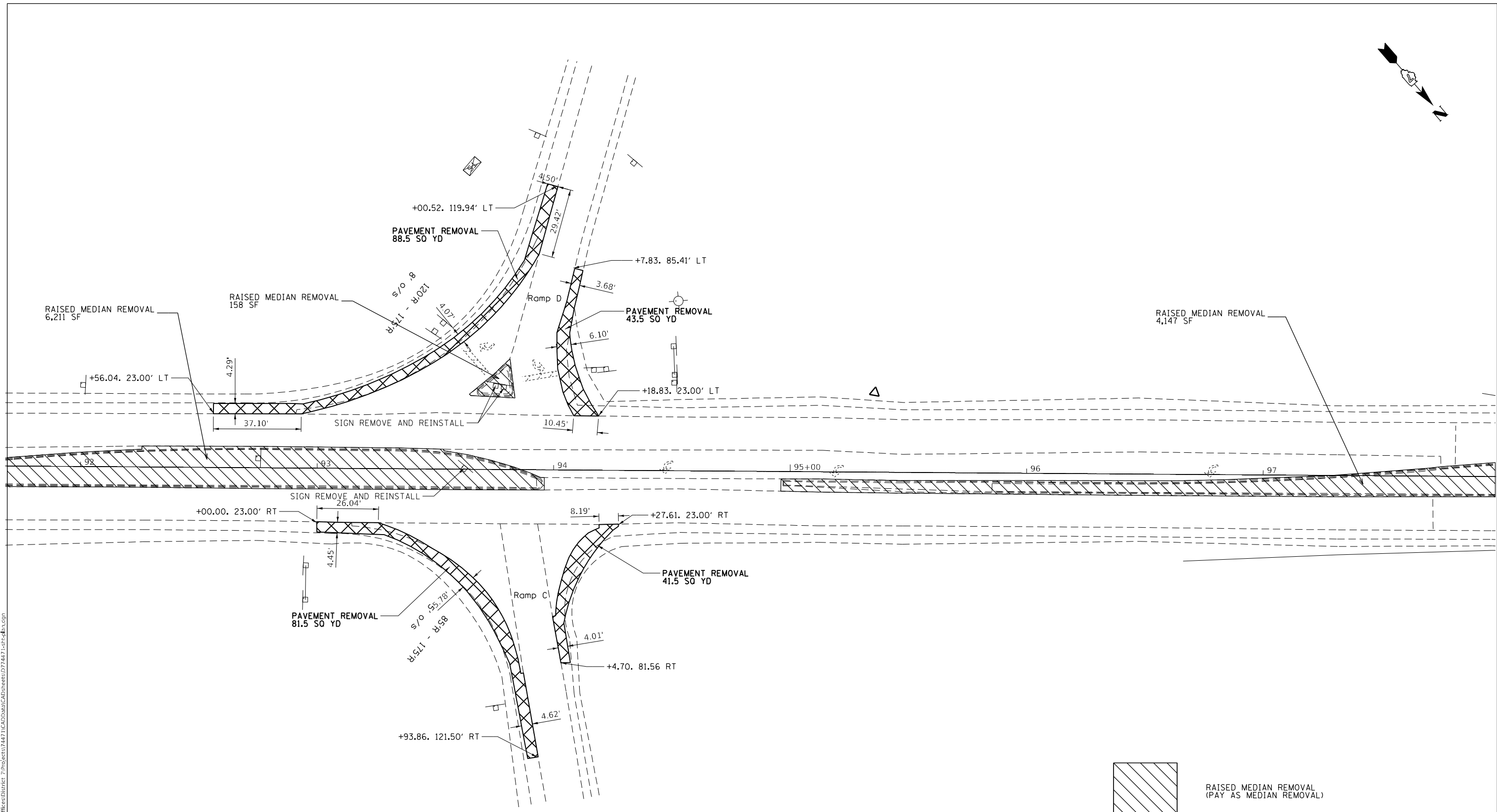
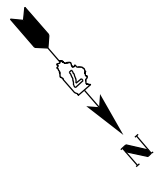
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PLOT DATE = 10/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
I-70 OVERPASS**

SCALE: SHEET 2 OF 7 SHEETS STA. 85+00 TO STA. 91+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	14
CONTRACT NO. 74471				
ILLINOIS		FED. AID PROJECT		



NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

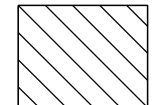
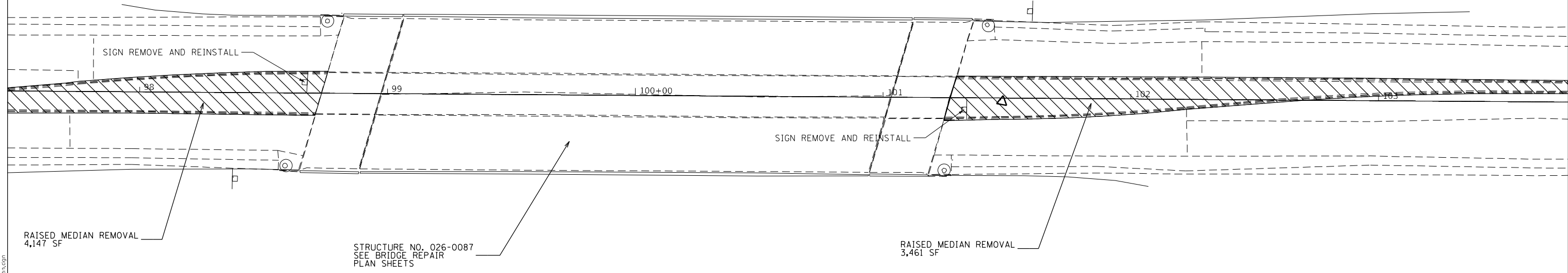
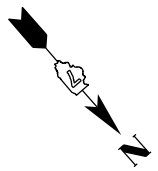
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PLOT DATE = 10/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET I-70 OVERPASS</b>			
SCALE:	SHEET 3	OF 7 SHEETS	STA. 91+00 TO STA. 97+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	15
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



RAISED MEDIAN REMOVAL  
(PAY AS MEDIAN REMOVAL)

NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

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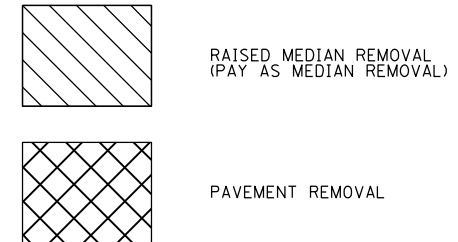
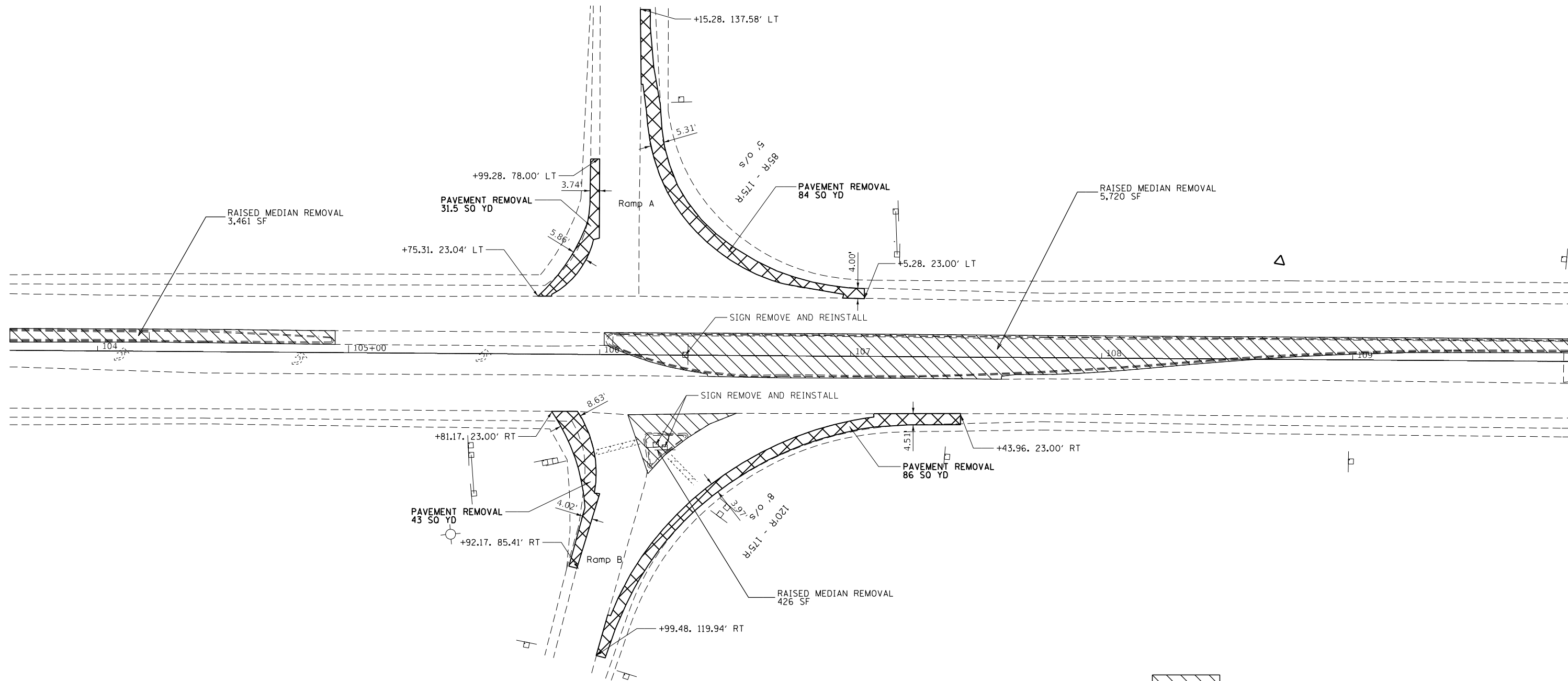
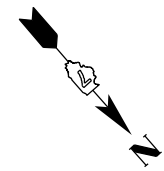
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
I-70 OVERPASS**

SCALE: SHEET 4 OF 7 SHEETS STA. 97+00 TO STA. 103+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	16
CONTRACT NO. 74471				
ILLINOIS		FED. AID PROJECT		





NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

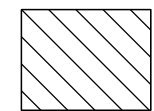
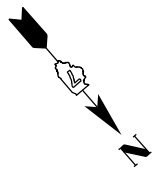
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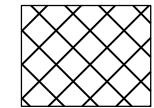
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET I-70 OVERPASS</b>			
SCALE:	SHEET 5	OF 7 SHEETS	STA. 103+00 TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	17
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

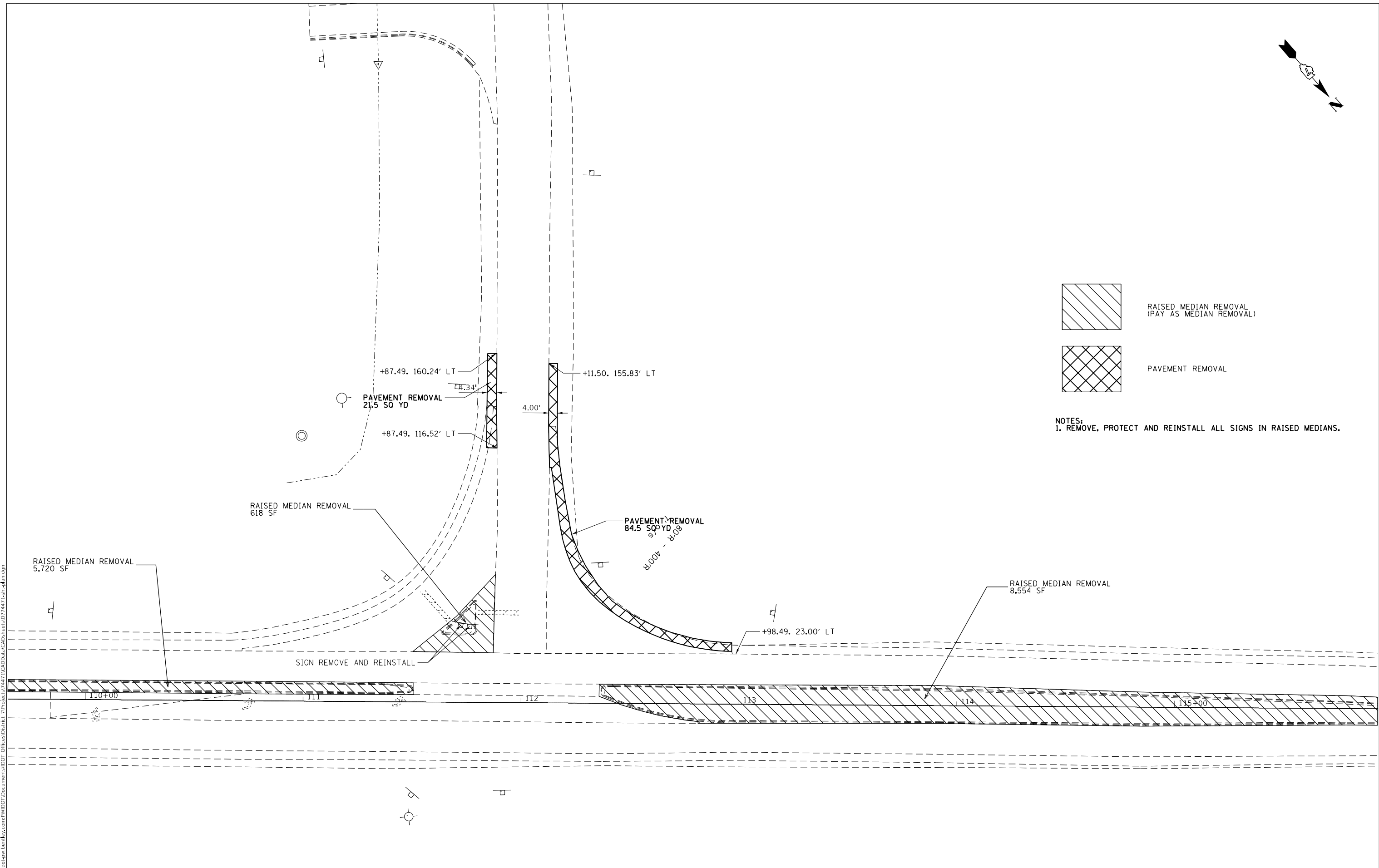


RAISED MEDIAN REMOVAL  
(PAY AS MEDIAN REMOVAL)



PAVEMENT REMOVAL

NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.



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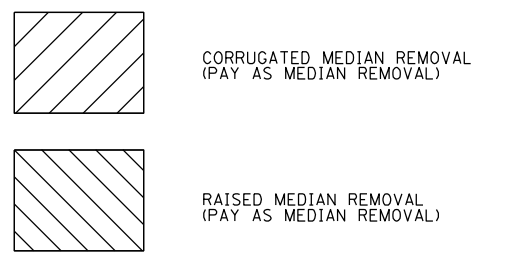
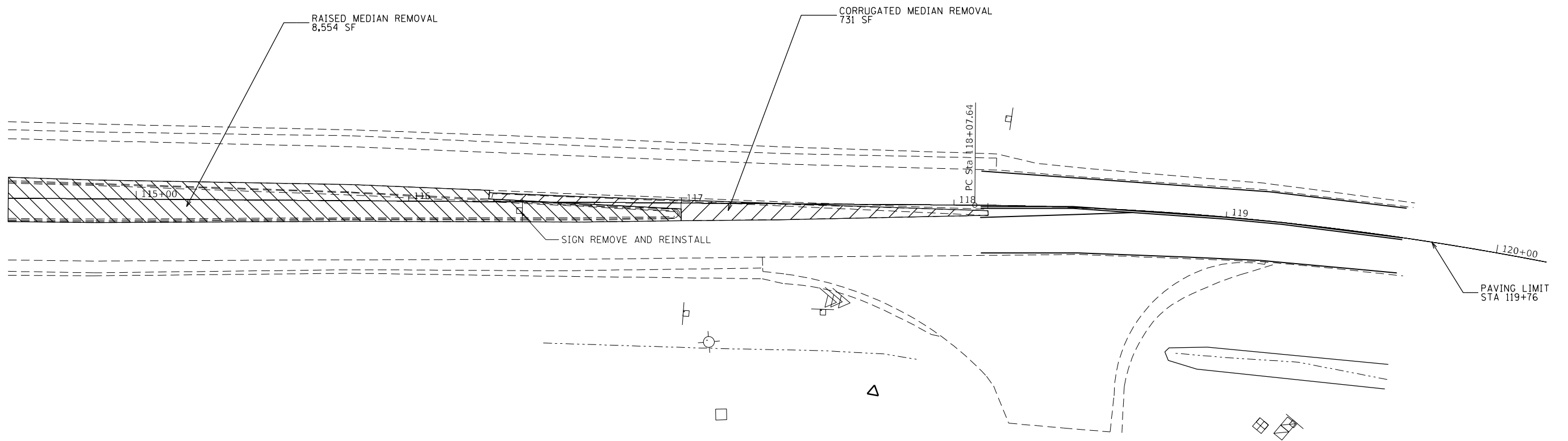
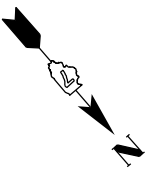
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
I-70 OVERPASS**

SCALE: SHEET 6 OF 7 SHEETS STA. 109+00 TO STA. 114+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	18
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



NOTES:  
1. REMOVE, PROTECT AND REINSTALL ALL SIGNS IN RAISED MEDIANS.

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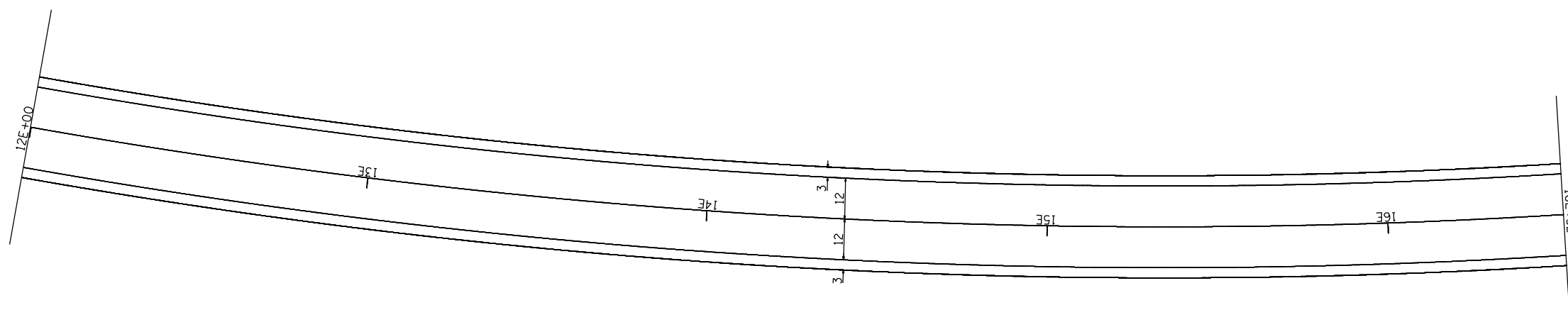
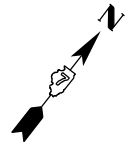
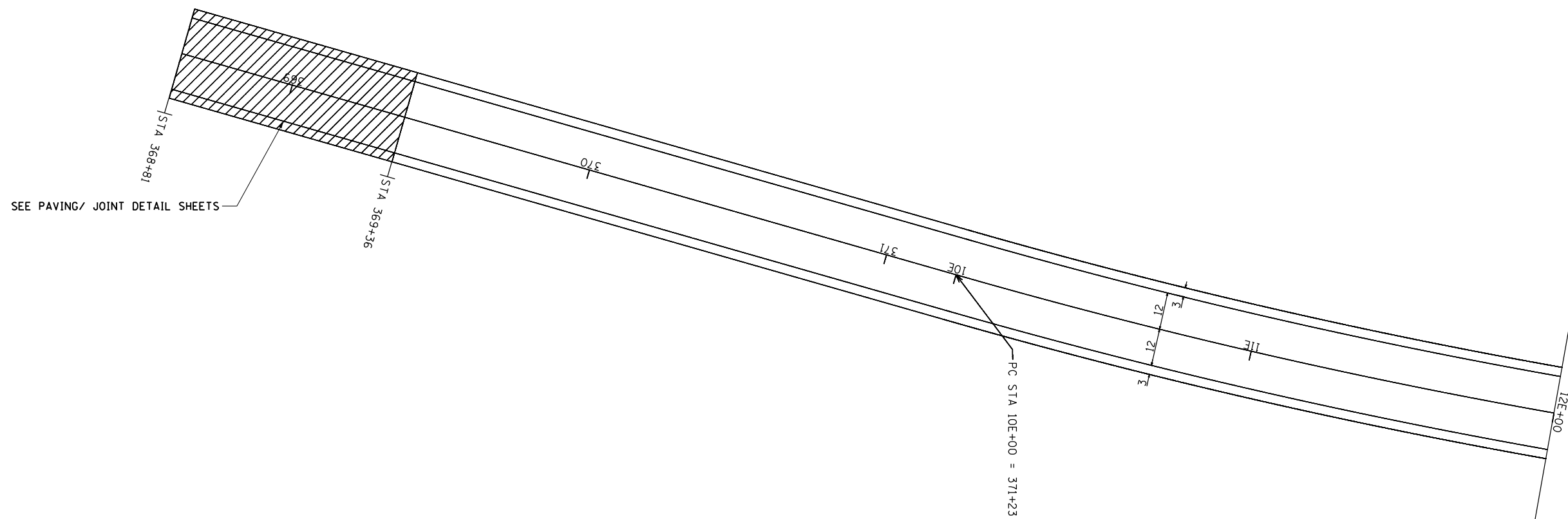
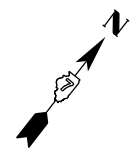
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**  
**I-70 OVERPASS**

SCALE: SHEET 7 OF 7 SHEETS STA. 114+00 TO STA. 119+76

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	



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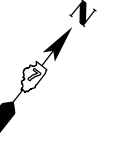
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

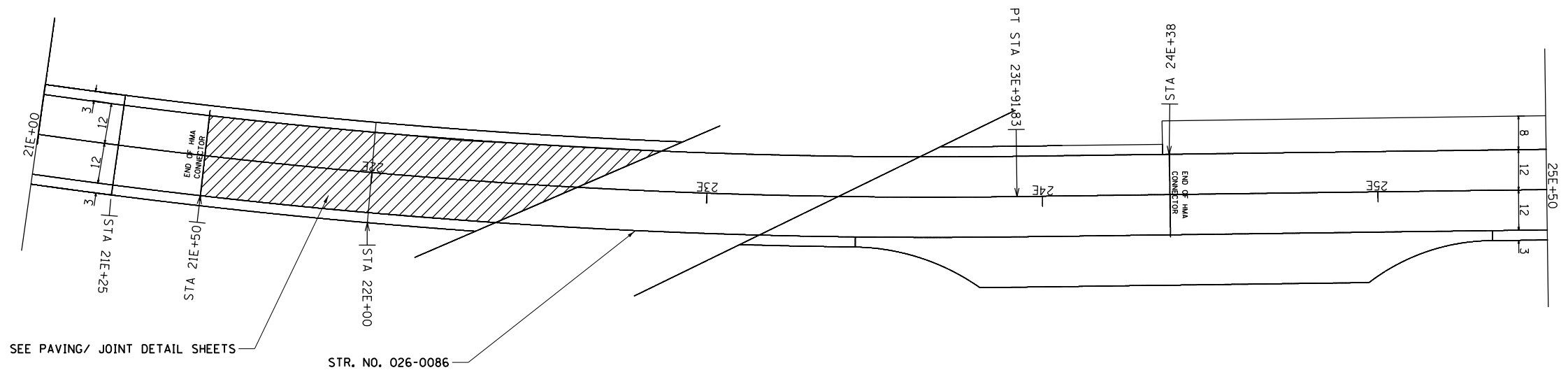
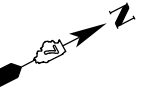
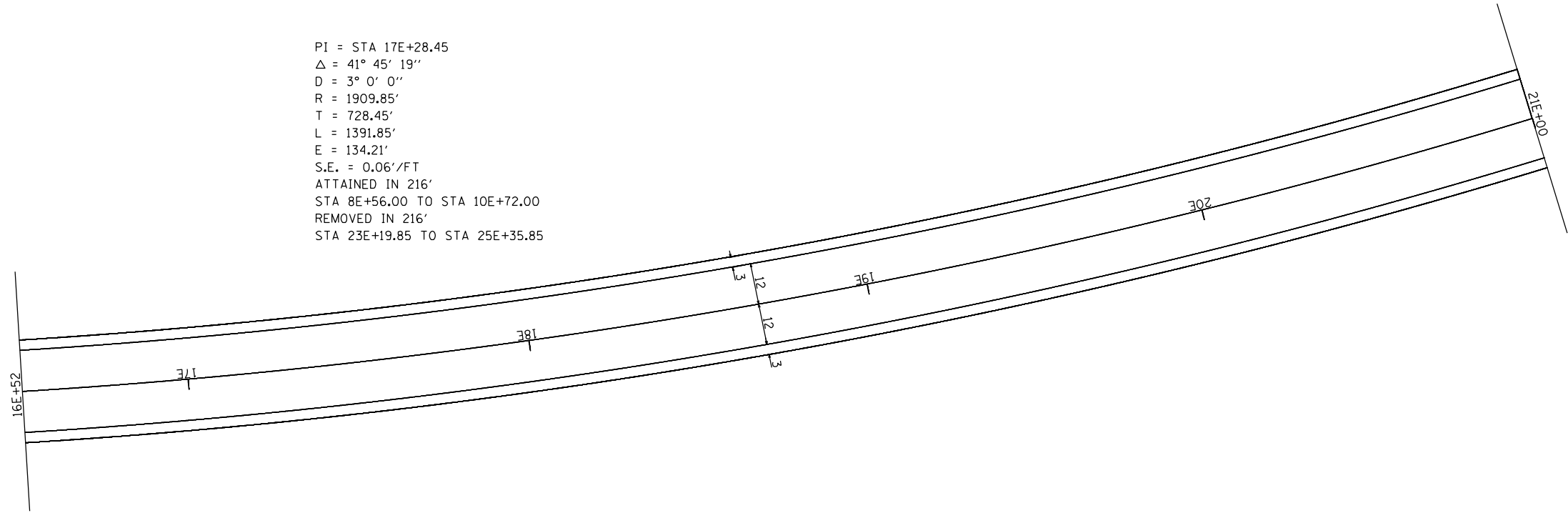
**PLAN SHEET  
 US-40 LEG "E"**

SCALE: SHEET 1 OF 3 SHEETS STA. 368+61 TO STA. 16E+52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	



PI = STA 17E+28.45  
 $\Delta = 41^\circ 45' 19''$   
 D = 3° 0' 0"  
 R = 1909.85'  
 T = 728.45'  
 L = 1391.85'  
 E = 134.21'  
 S.E. = 0.06'/FT  
 ATTAINED IN 216'  
 STA 8E+56.00 TO STA 10E+72.00  
 REMOVED IN 216'  
 STA 23E+19.85 TO STA 25E+35.85



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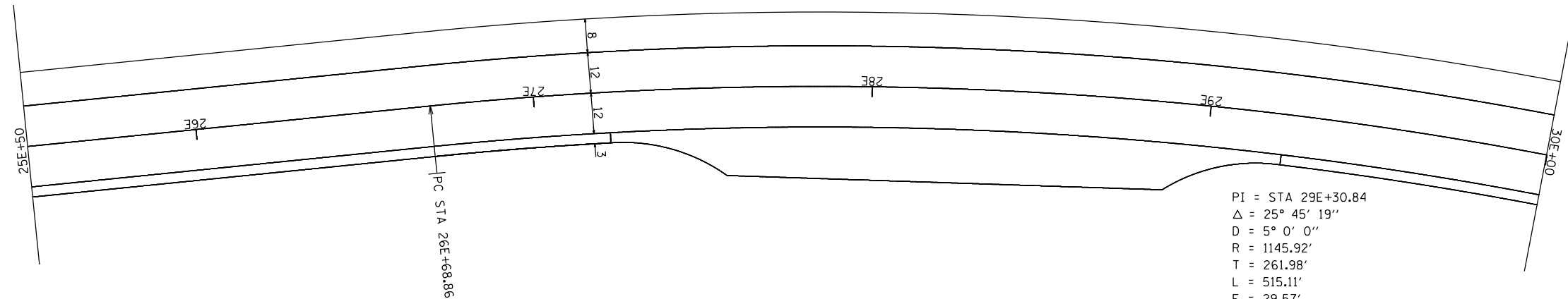
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

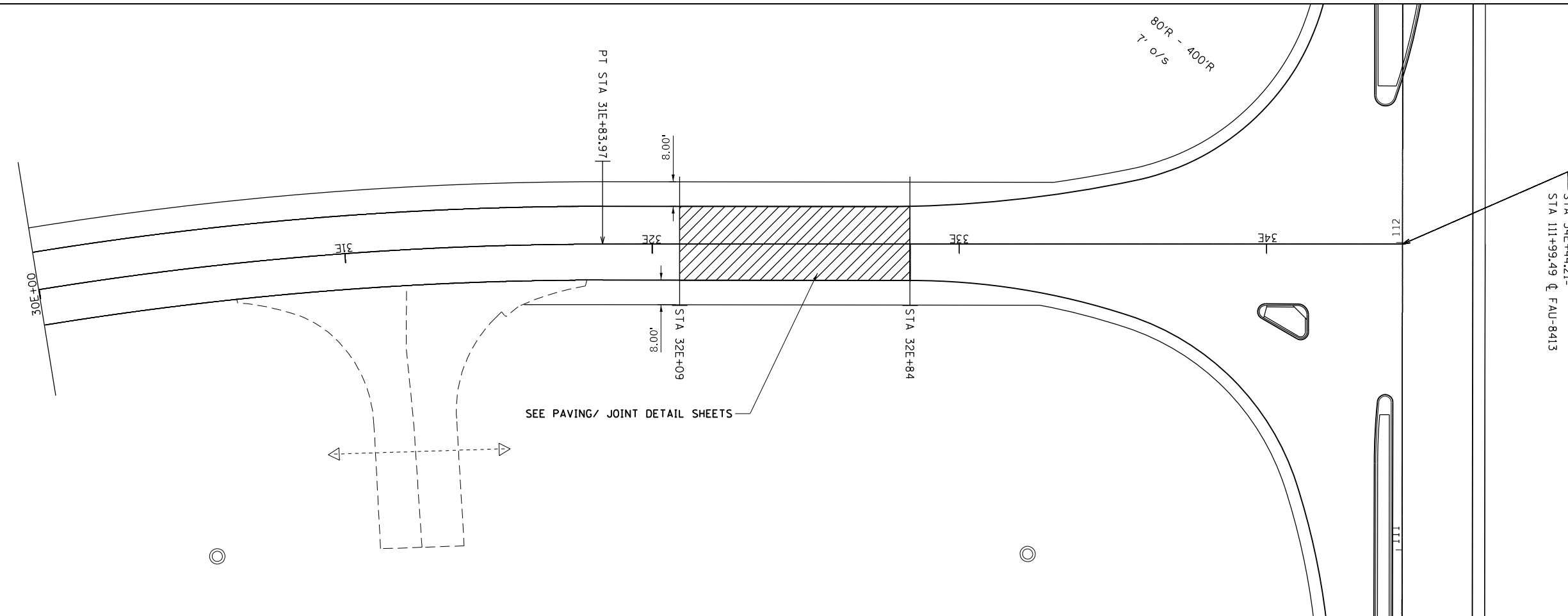
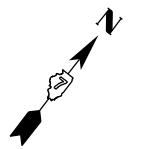
**PLAN SHEET**  
**US-40 LEG "E"**

SCALE: SHEET 2 OF 3 SHEETS STA. 16E+52 TO STA. 25E+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	



PI = STA 29E+30.84  
 $\Delta = 25^\circ 45' 19''$   
 $D = 5^\circ 0' 0''$   
 $R = 1145.92'$   
 $T = 261.98'$   
 $L = 515.11'$   
 $E = 29.57'$   
 $S.E. = 0.08'/FT$   
 ATTAINED IN 200'  
 STA 25E+35.86 TO STA 27E+35.86  
 REMOVED IN 150'  
 STA 31E+33.97 TO 32E+83.97



SEE PAVING/ JOINT DETAIL SHEETS

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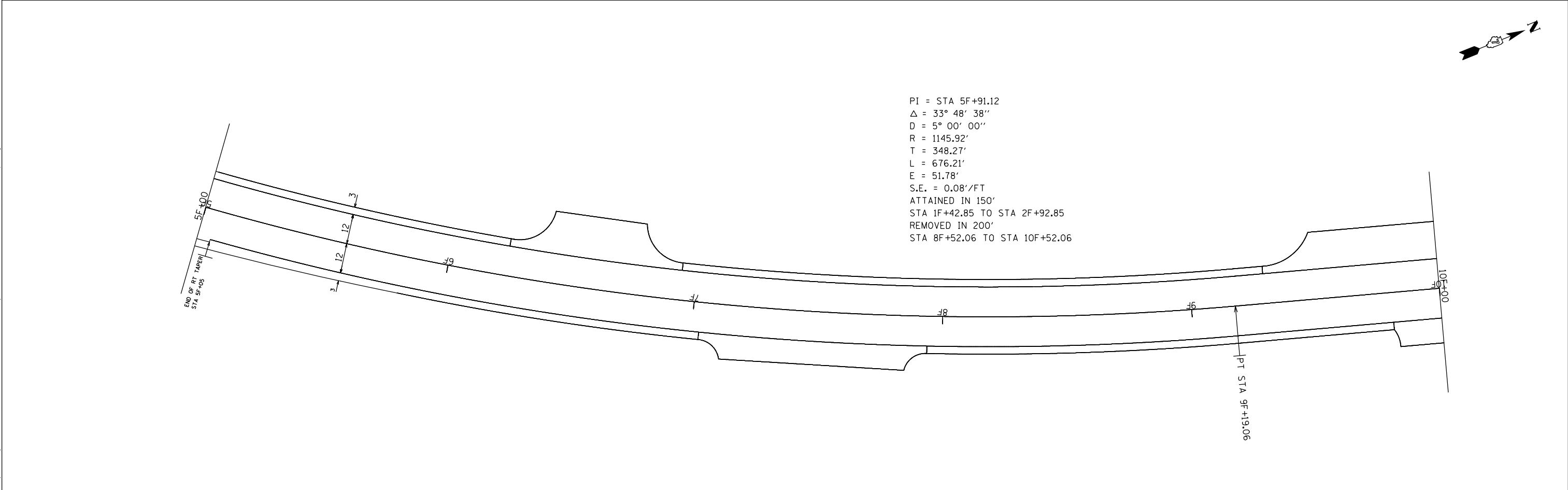
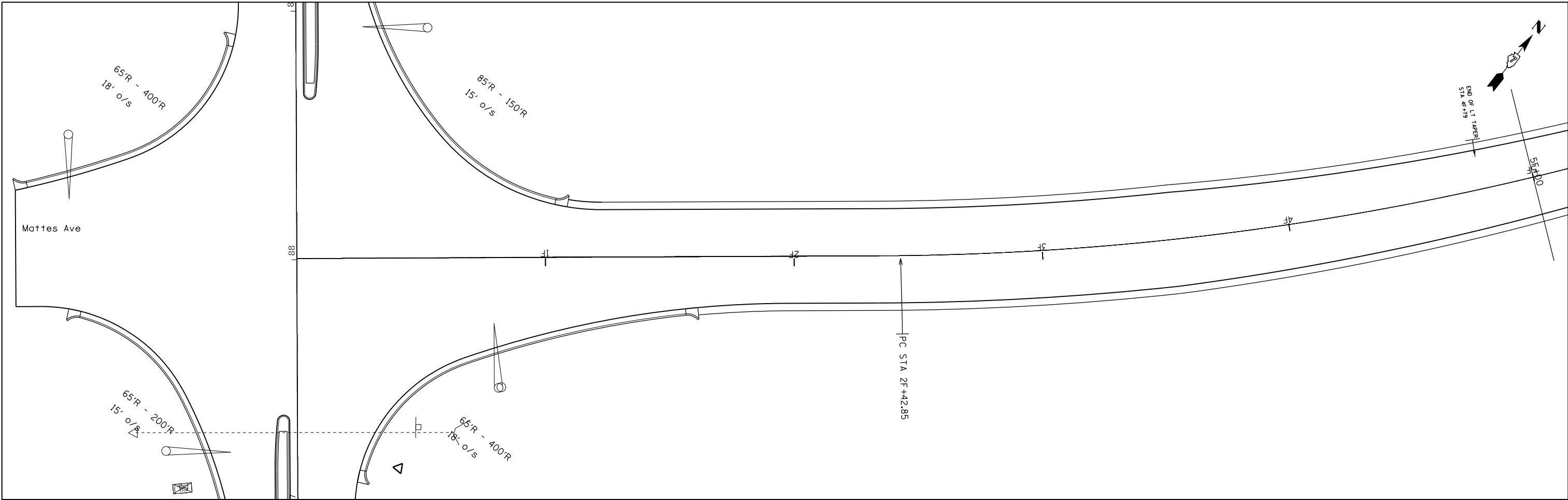
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 3	OF 3	SHEETS	STA. 25E+50	TO STA. 34E+44.21
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**PLAN SHEET**  
**US-40 LEG "E"**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	22
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



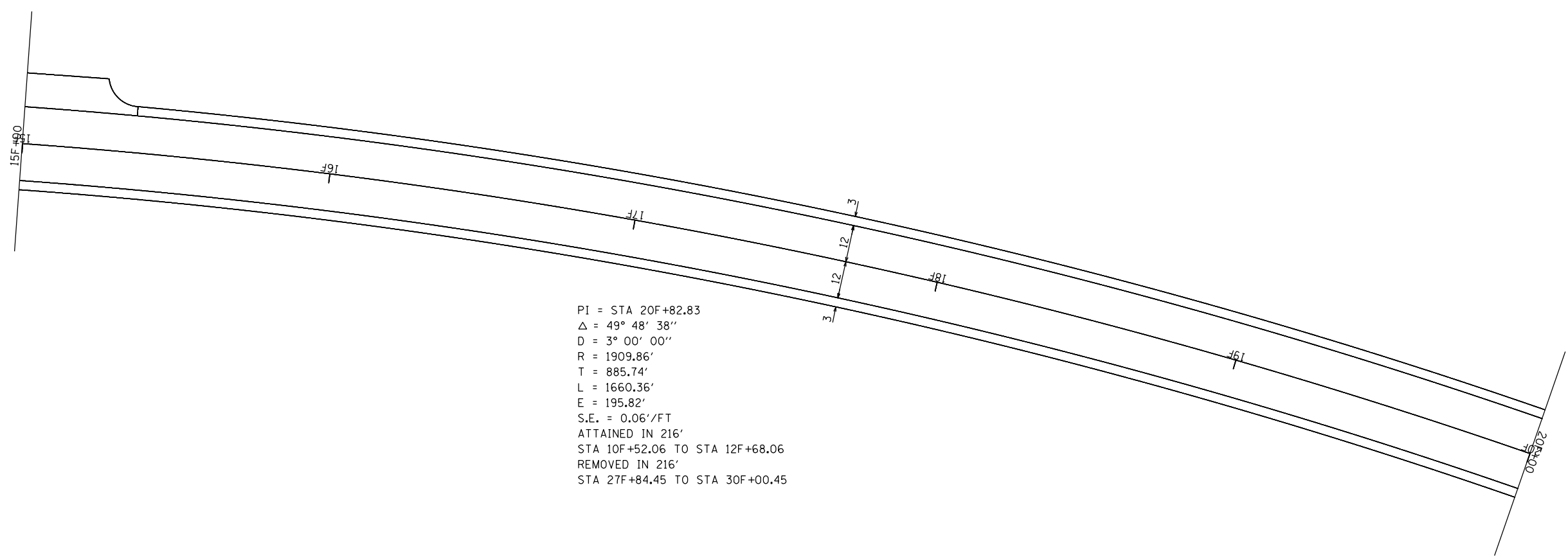
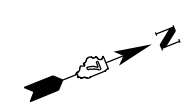
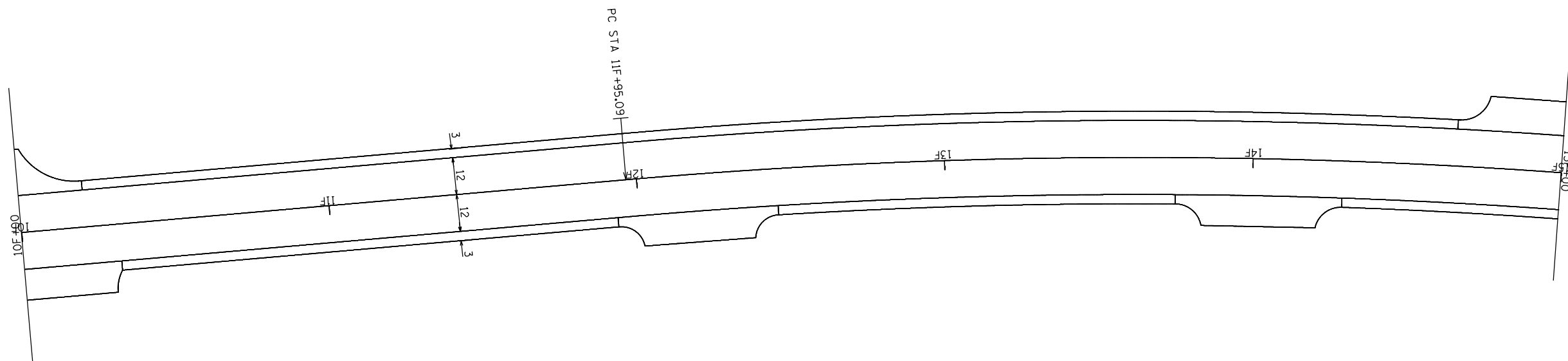
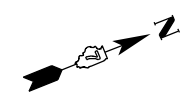
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET US-40 LEG "F"</b>	
SCALE:	SHEET 1 OF 7 SHEETS STA. 0F+00 TO STA. 10F+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	23
CONTRACT NO. 74471				
		ILLINOIS	FED. AID PROJECT	



PI = STA 20F+82.83  
 $\Delta = 49^\circ 48' 38''$   
 $D = 3^\circ 00' 00''$   
 $R = 1909.86'$   
 $T = 885.74'$   
 $L = 1660.36'$   
 $E = 195.82'$   
 $S.E. = 0.06'/FT$   
 ATTAINED IN 216'  
 STA 10F+52.06 TO STA 12F+68.06  
 REMOVED IN 216'  
 STA 27F+84.45 TO STA 30F+00.45

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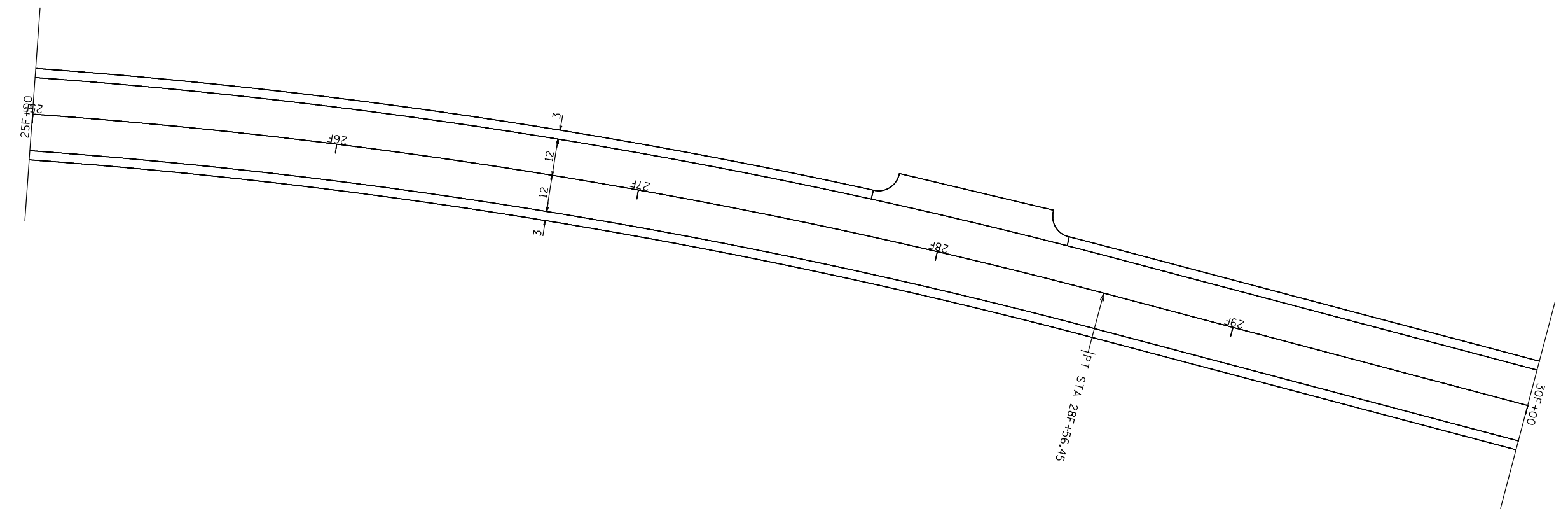
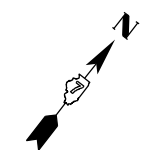
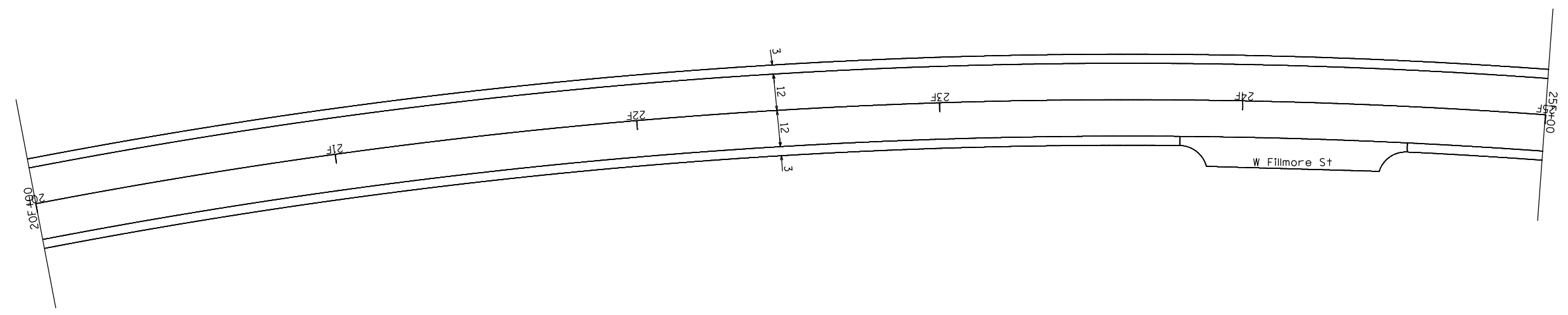
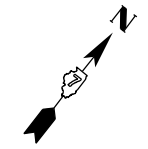
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**  
**US-40 LEG "F"**

SCALE: SHEET 2 OF 7 SHEETS STA. 10F+00 TO STA. 20F+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	





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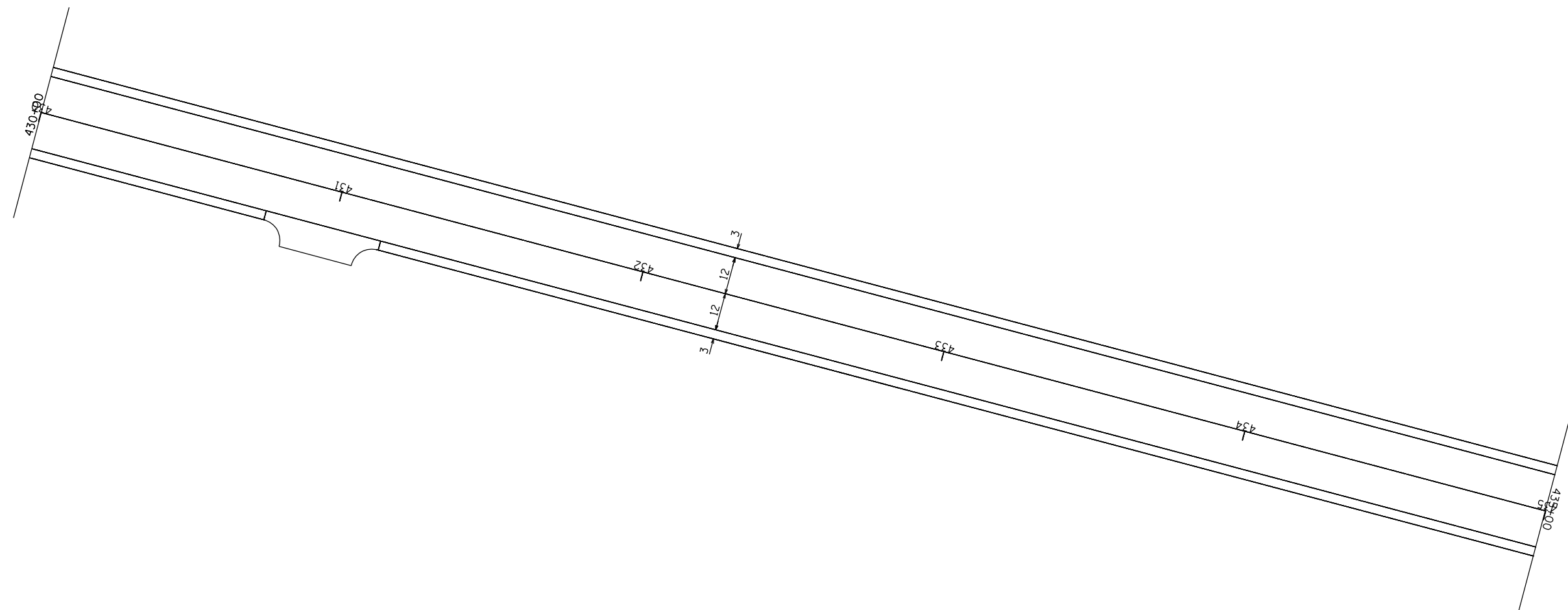
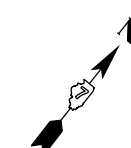
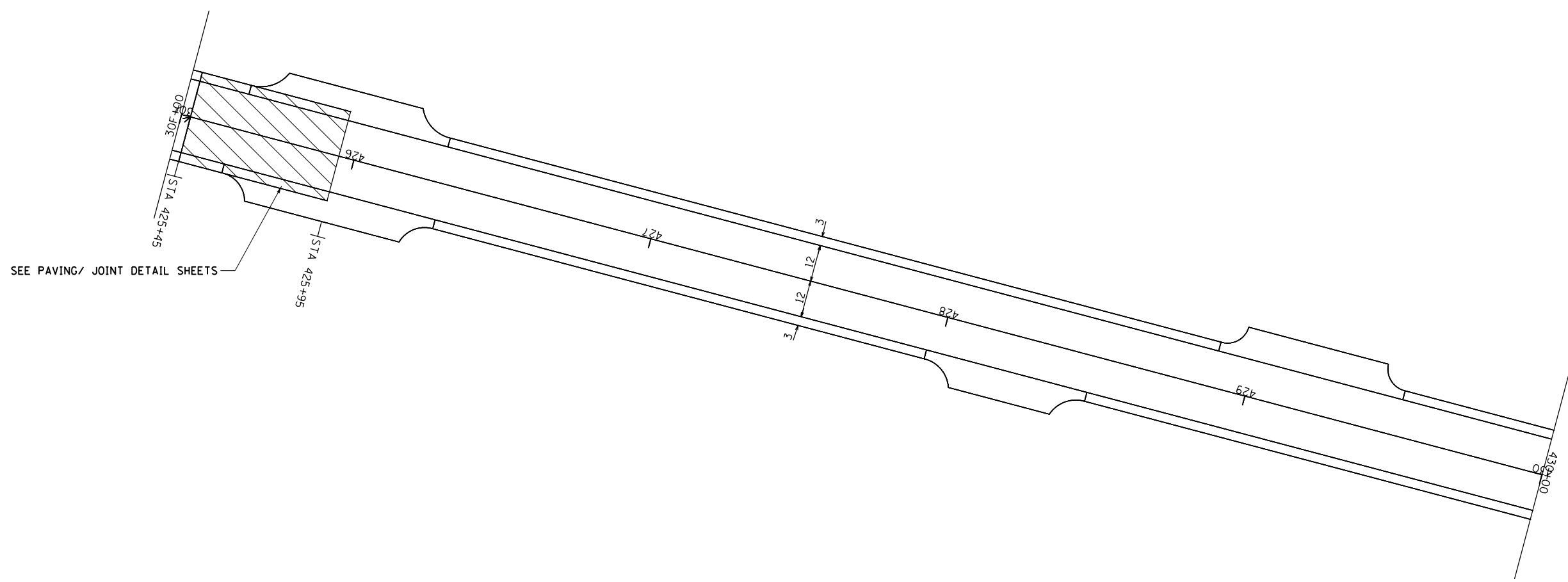
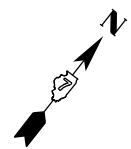
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
 US-40 LEG "F"**

SCALE: SHEET 3 OF 7 SHEETS STA. 20F+00 TO STA. 30F+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	25
			CONTRACT NO. 74471	
		ILLINOIS	FED. AID PROJECT	



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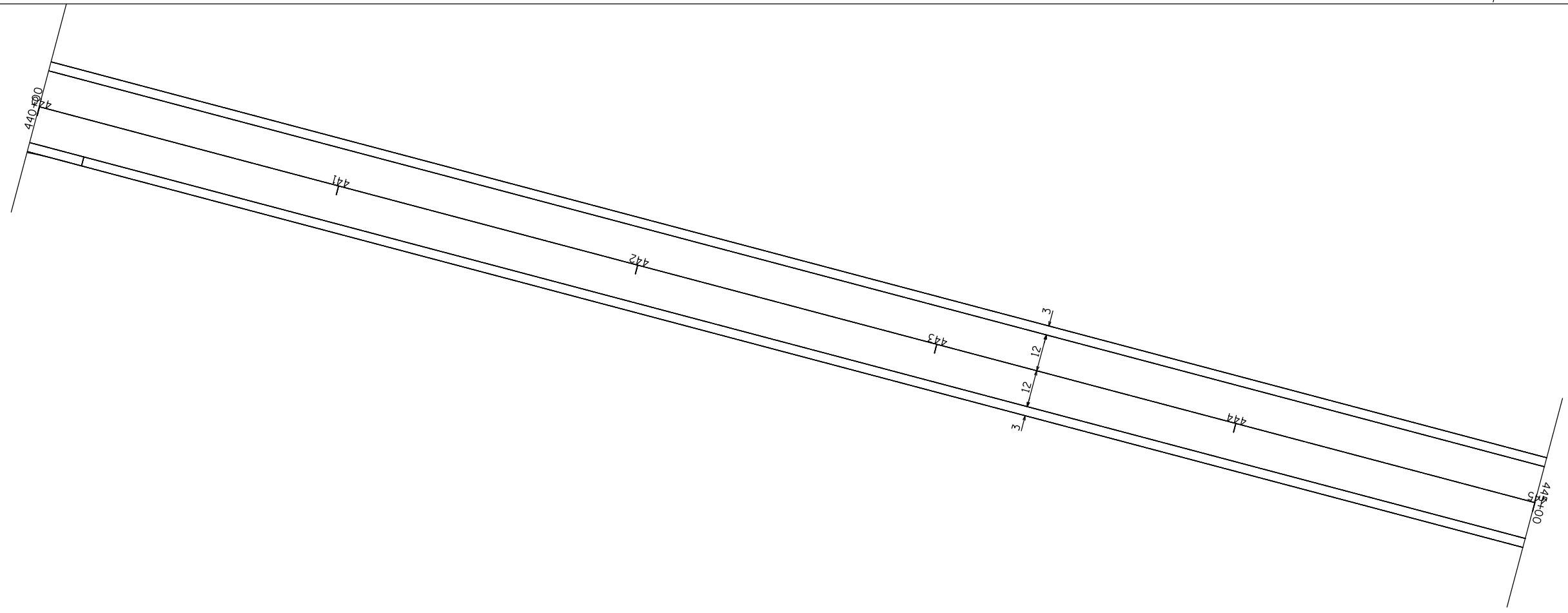
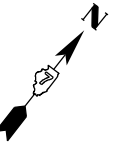
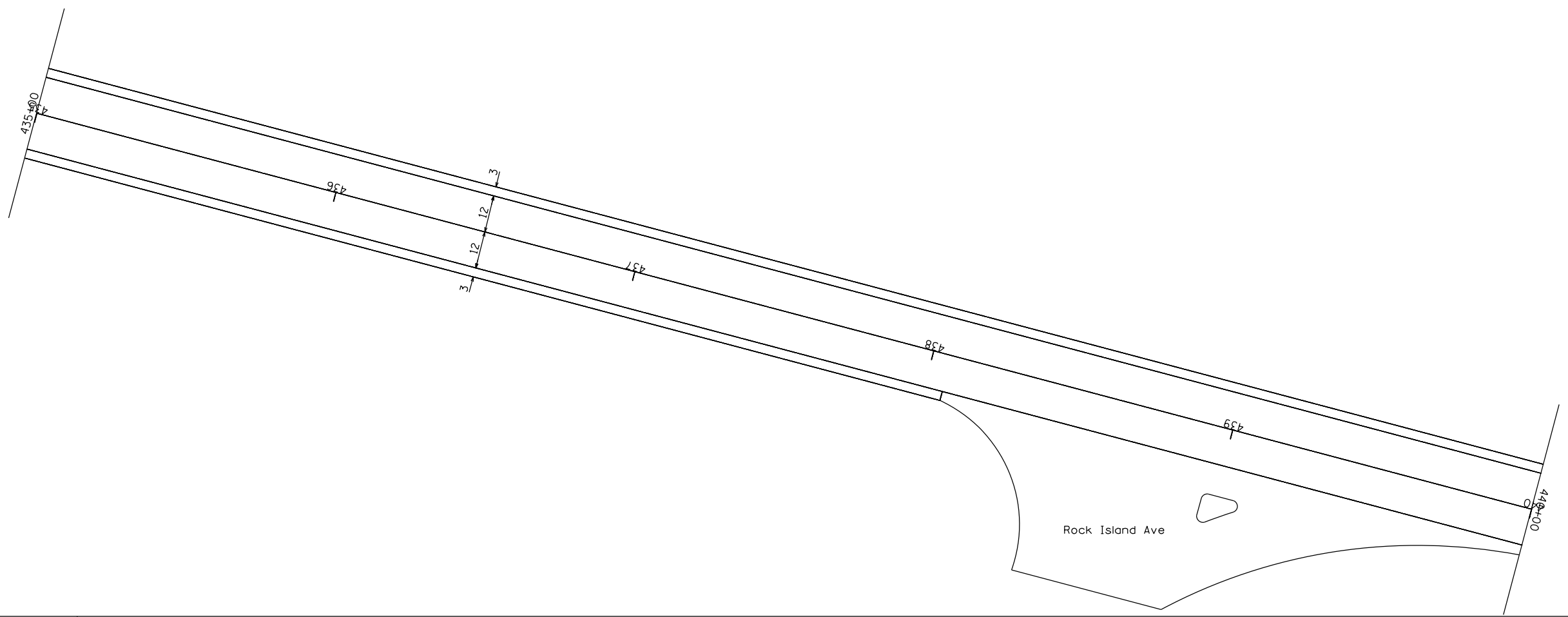
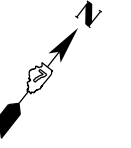
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**  
**US-40 LEG "F"**

SCALE: SHEET 4 OF 7 SHEETS STA. 30F+00 TO STA. 435+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	26
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



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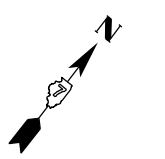
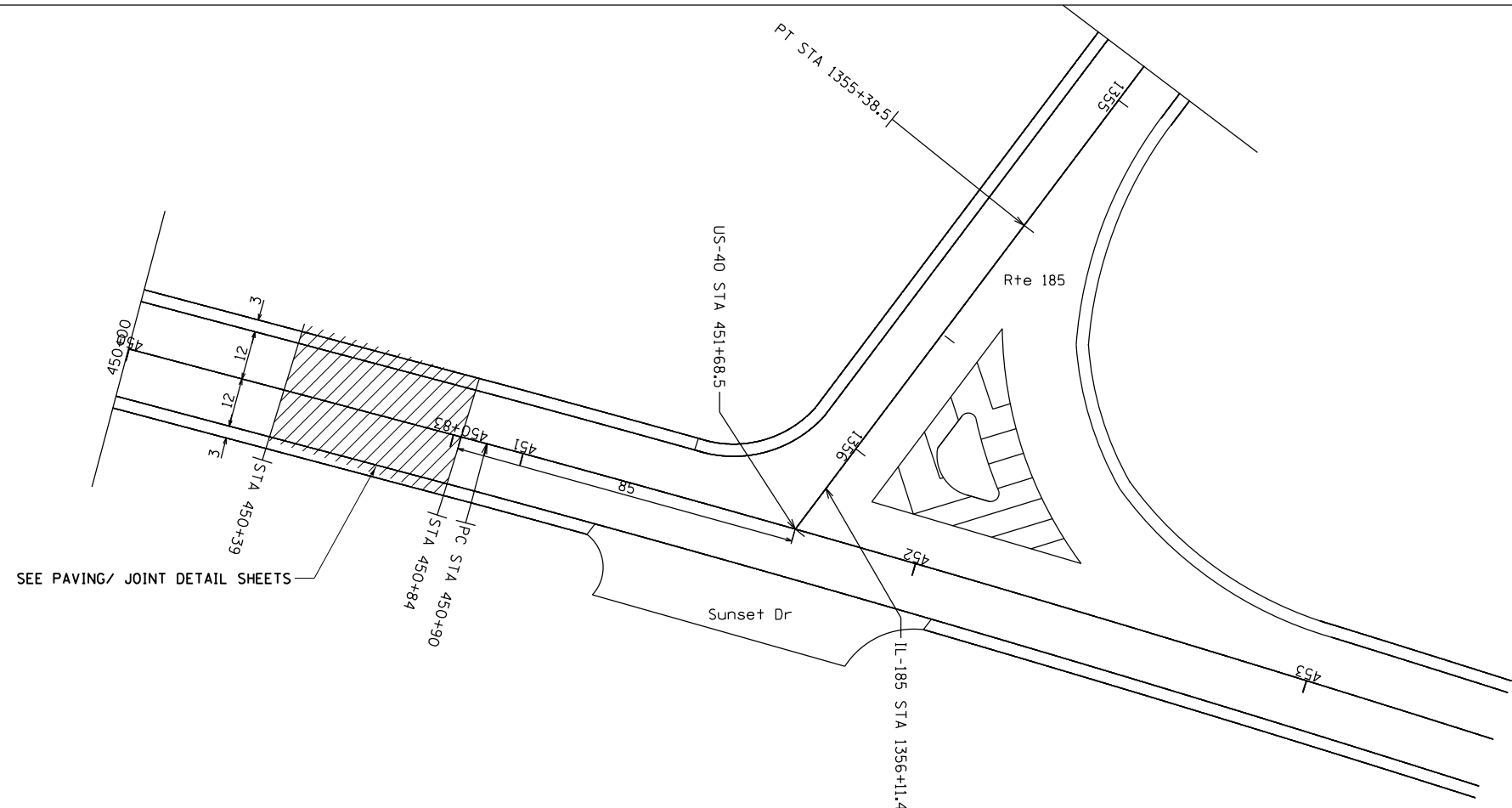
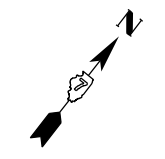
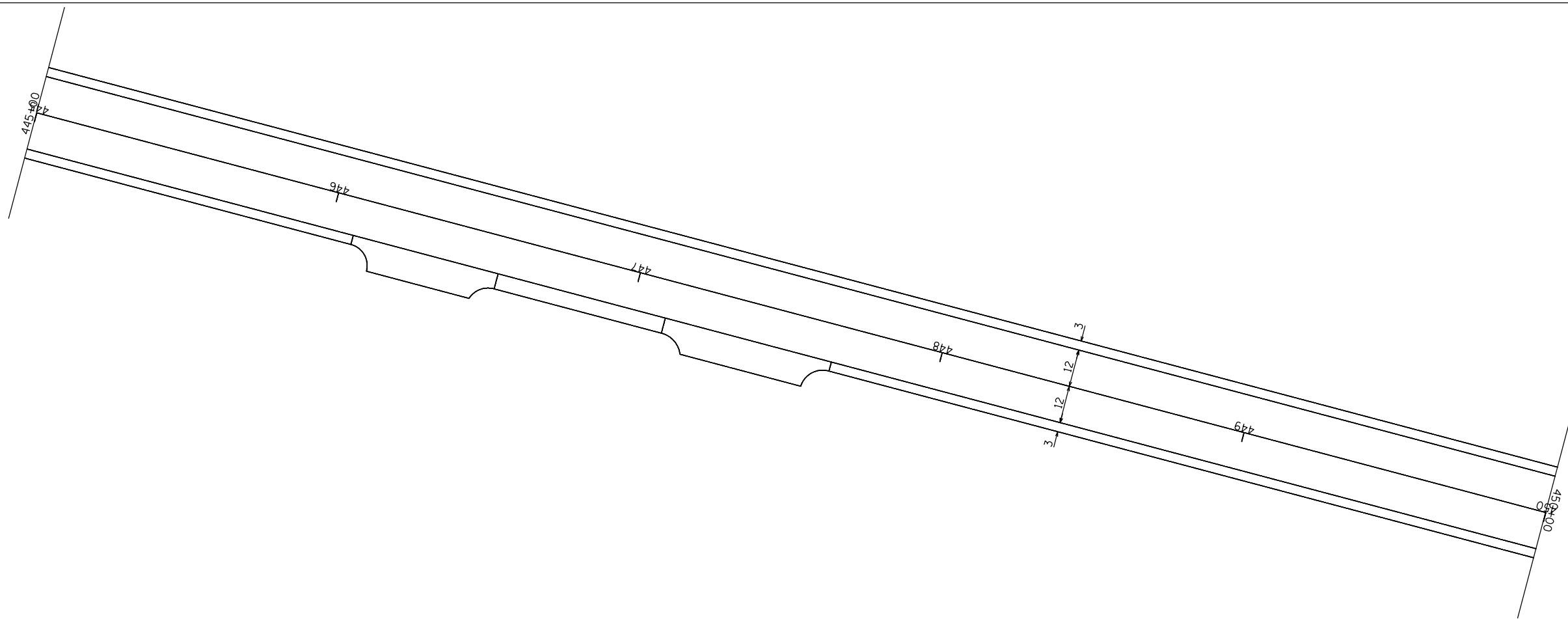
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**  
**US-40 LEG "F"**

SCALE: SHEET 5 OF 7 SHEETS STA. 435+00 TO STA. 445+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	27
			CONTRACT NO. 74471	
		ILLINOIS	FED. AID PROJECT	



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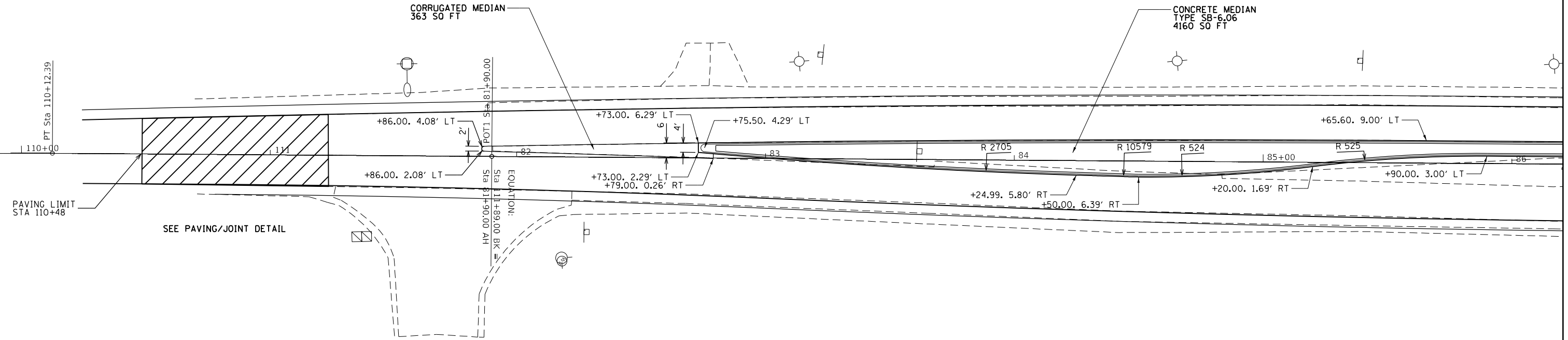
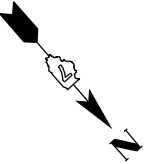
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**  
**US-40 LEG "F"**

SCALE: SHEET 6 OF 7 SHEETS STA. 445+00 TO STA. 450+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	28
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



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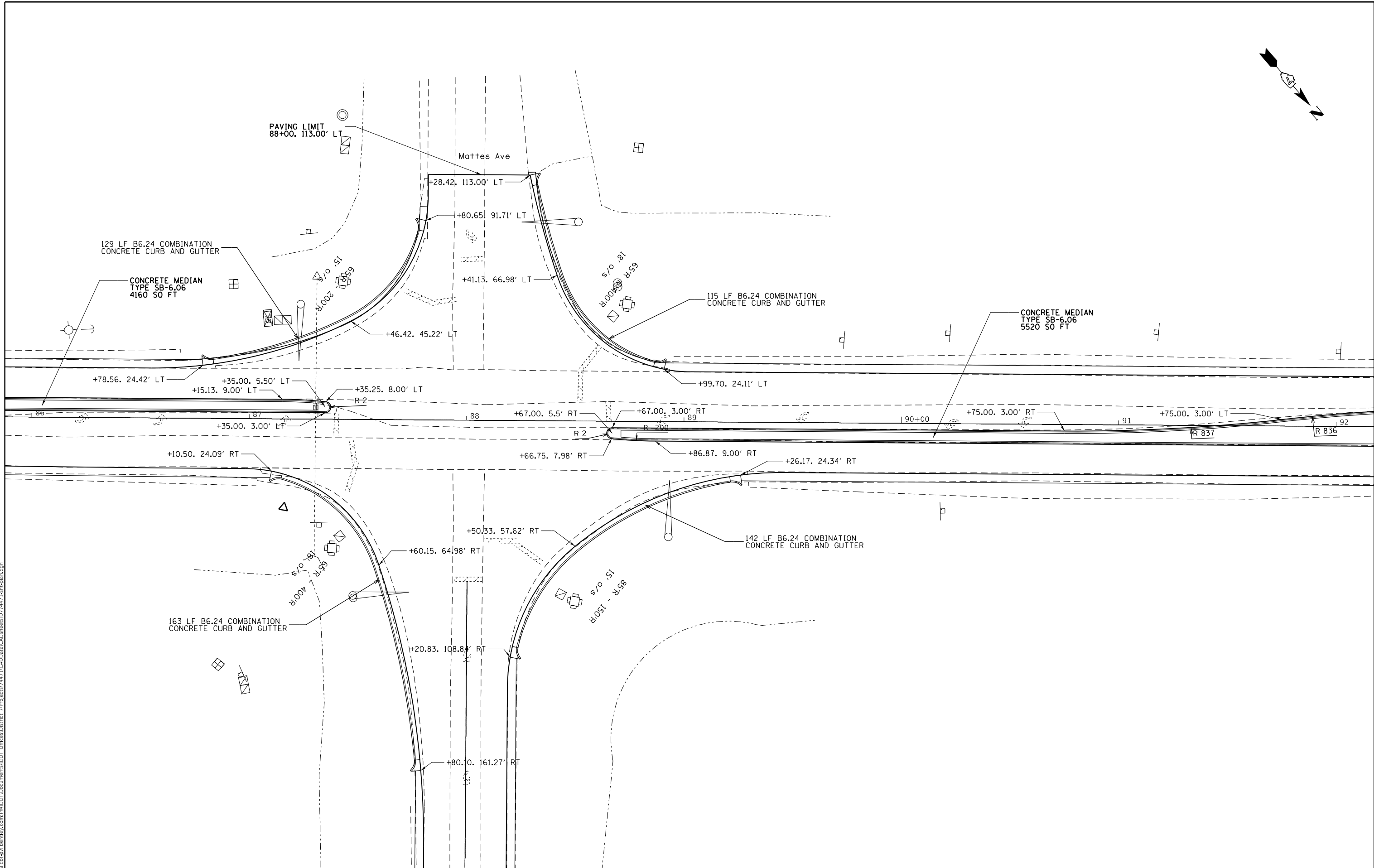
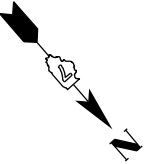
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 40 PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

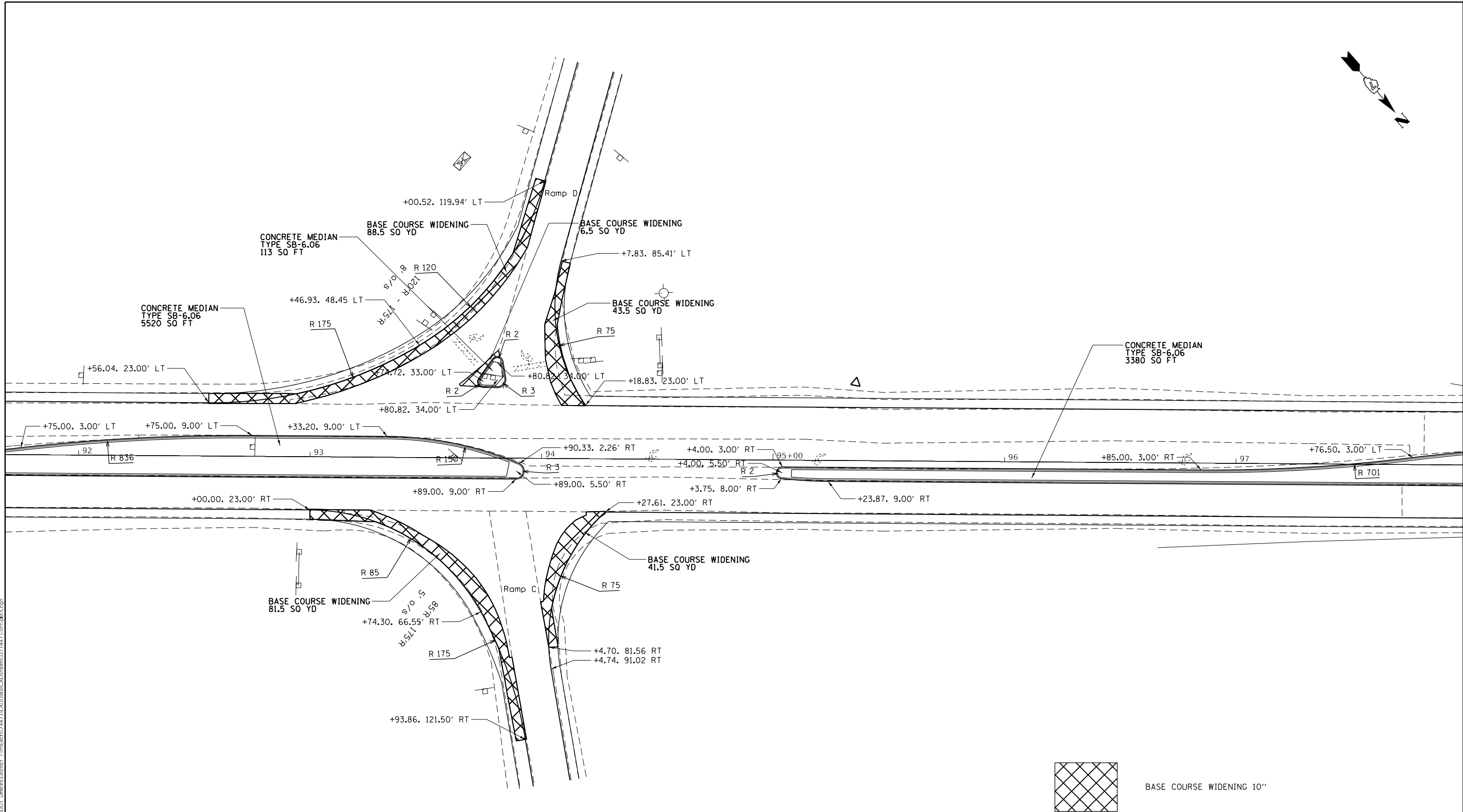
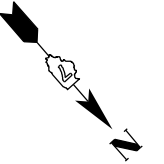


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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 40 PLAN SHEETS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	30
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



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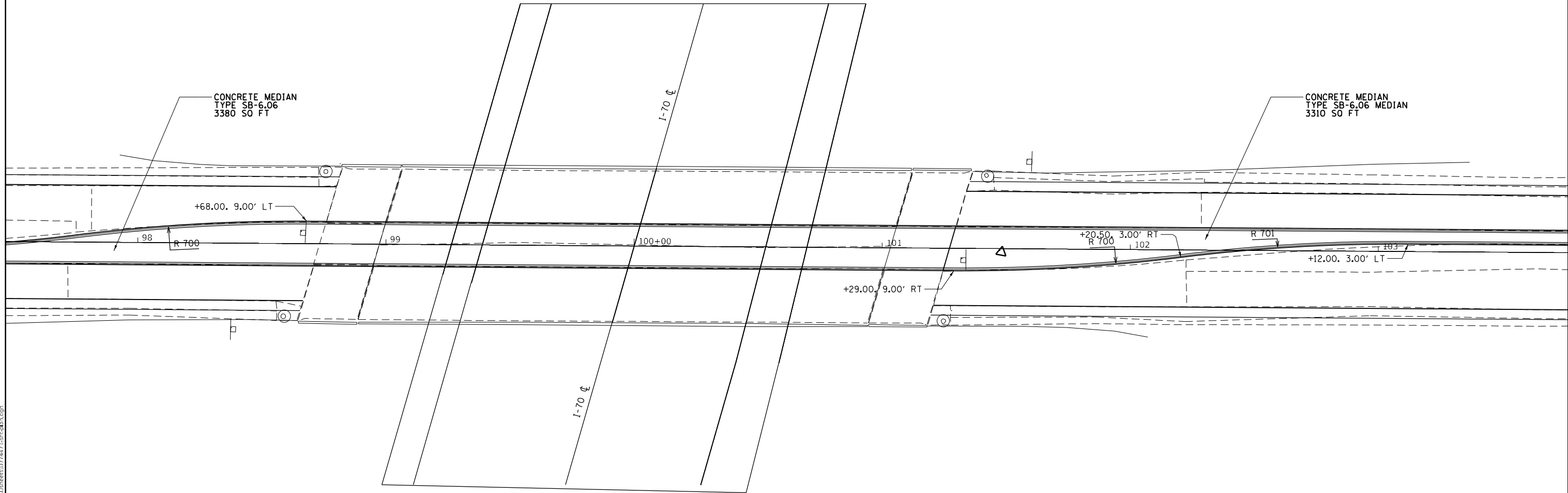
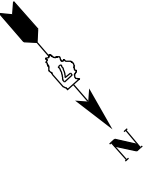
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 40 PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	31
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



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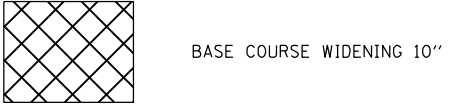
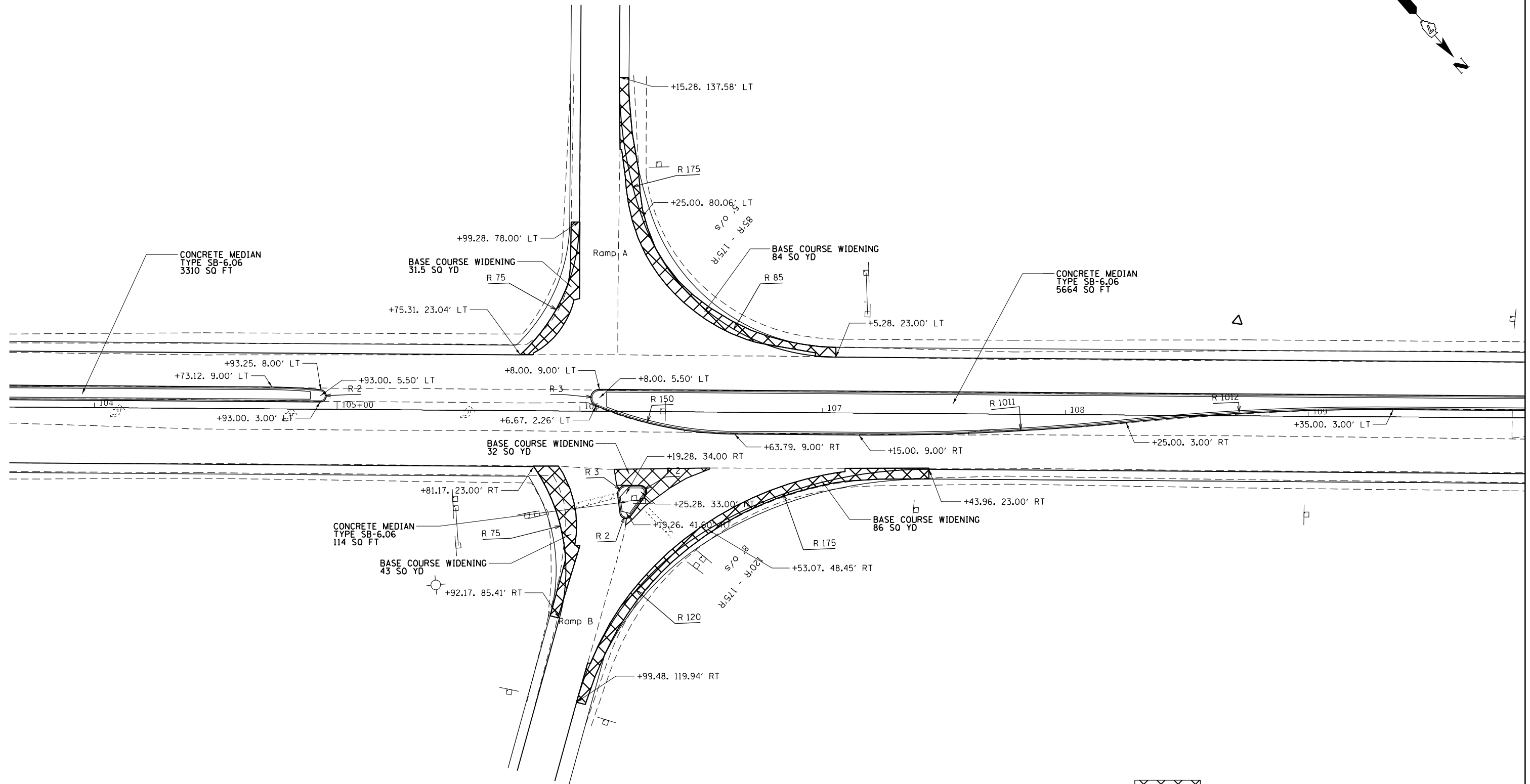
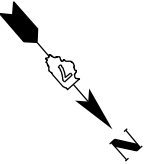
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US 40 PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	





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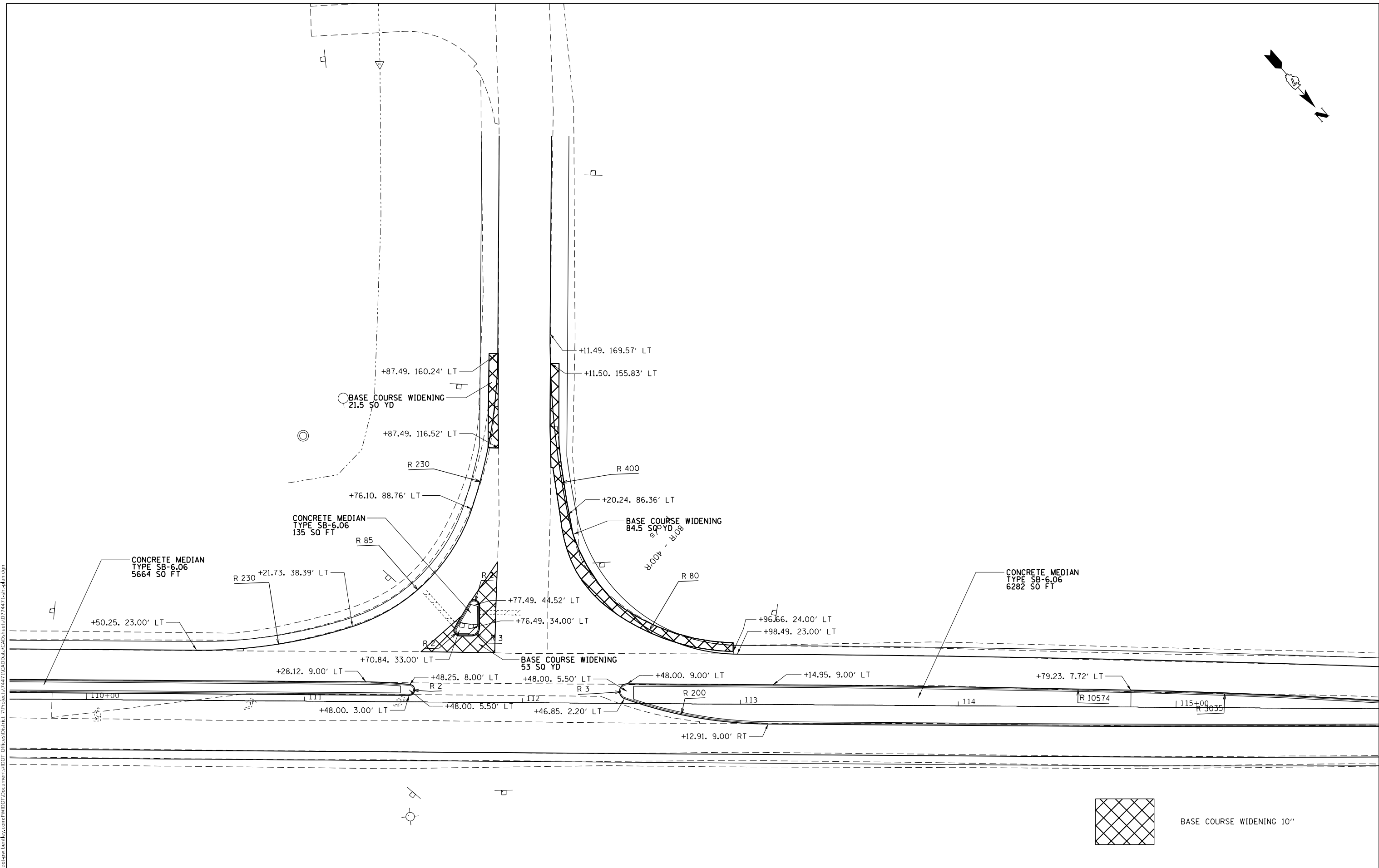
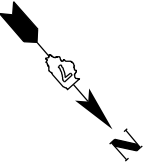
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US 40 PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	33
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



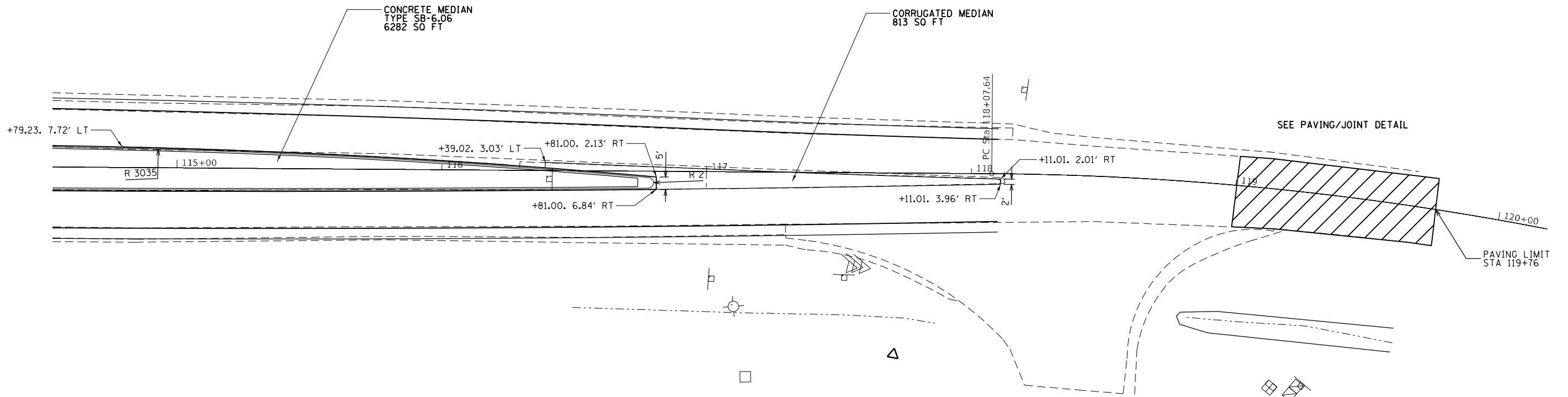
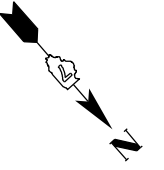
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 40 PLAN SHEETS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	34
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



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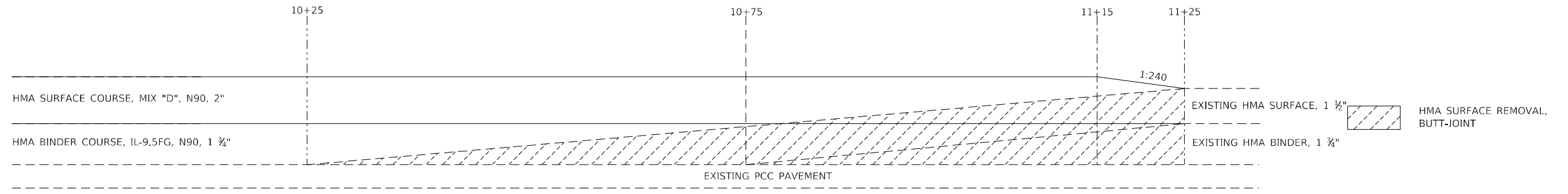
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 40 PLAN SHEETS**

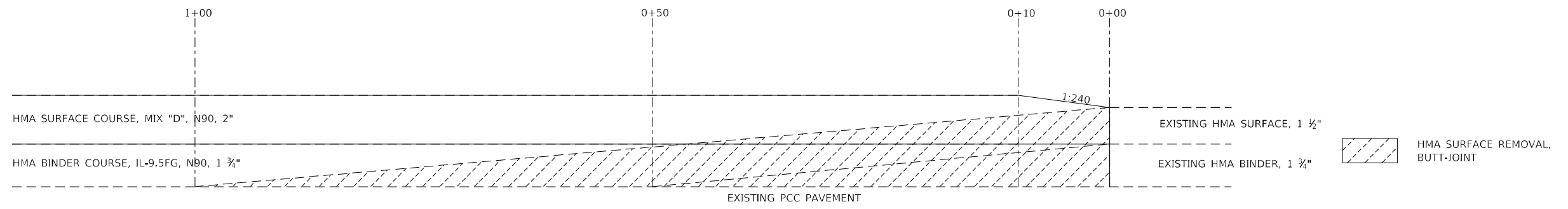
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	35
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

PROPOSED BUTT JOINT/PAVING DETAIL  
 RAMP "A" - I-70 WB ONRAMP  
 STA 10A+25 - STA 11A+25



PROPOSED BUTT JOINT/PAVING DETAIL  
 RAMP "B" - I-70 WB OFFRAMP  
 STA 0B+00 - STA 1B+00



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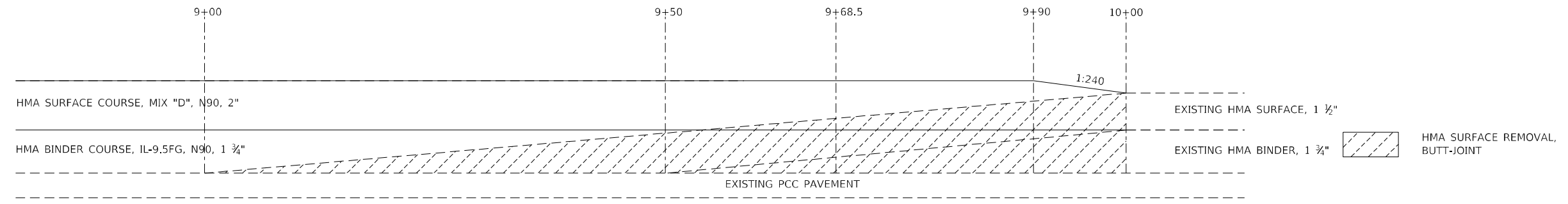
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVING DETAILS**

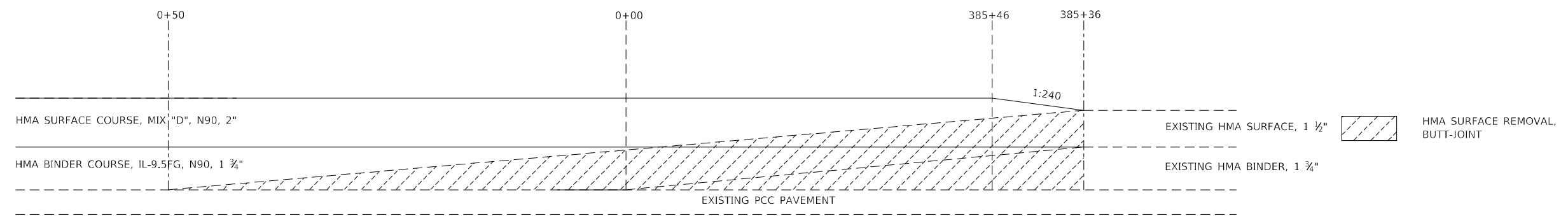
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	36
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

PROPOSED BUTT JOINT/PAVING DETAIL  
 RAMP "C" - I-70 EB ONRAMP  
 STA 9C+00 - STA 10C+00



PROPOSED BUTT JOINT/PAVING DETAIL  
 RAMP "D" - I-70 EB OFFRAMP  
 STA 385+36 - STA 0D+50



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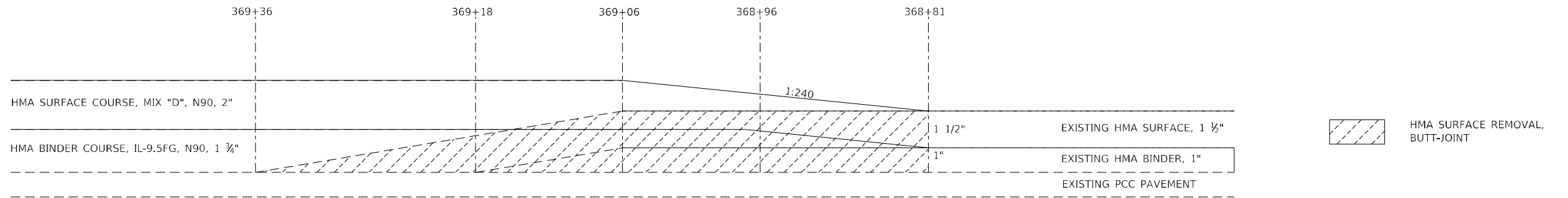
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

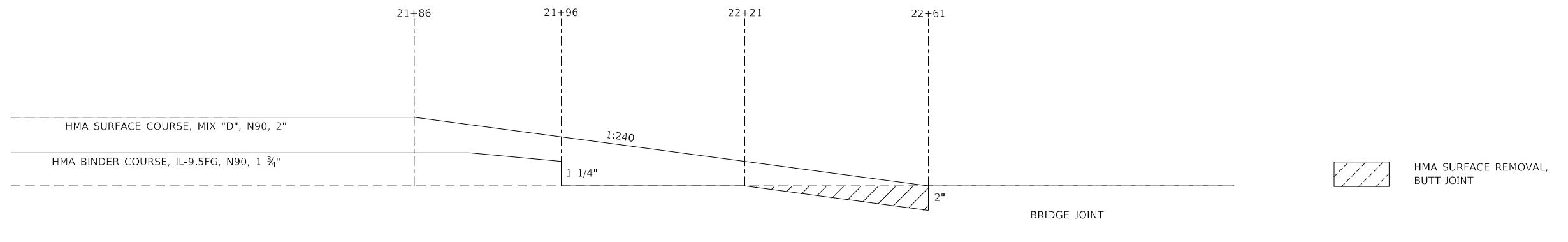
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SCALE:	SHEET 2	OF 6 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	37
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

PROPOSED BUTT JOINT/PAVING DETAIL  
 LEG "E" - US40 WEST SECTION  
 STA 368+81 - STA 369+36



PROPOSED BUTT JOINT/PAVING DETAIL  
 LEG "E" - US40 SECTION  
 STA 21+50 - STA 22+61



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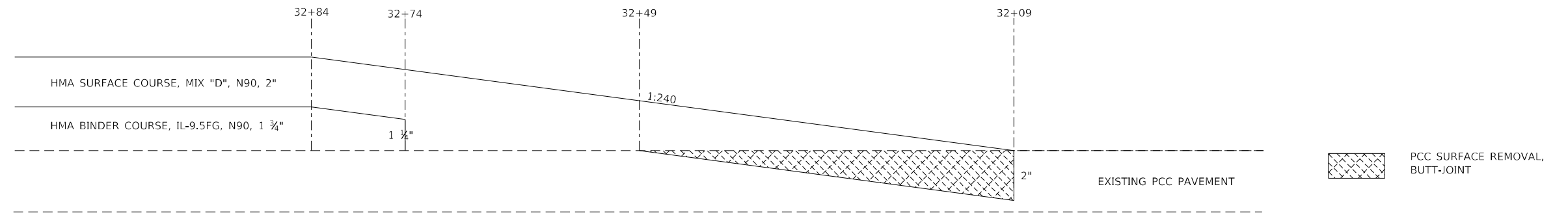
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVING DETAILS

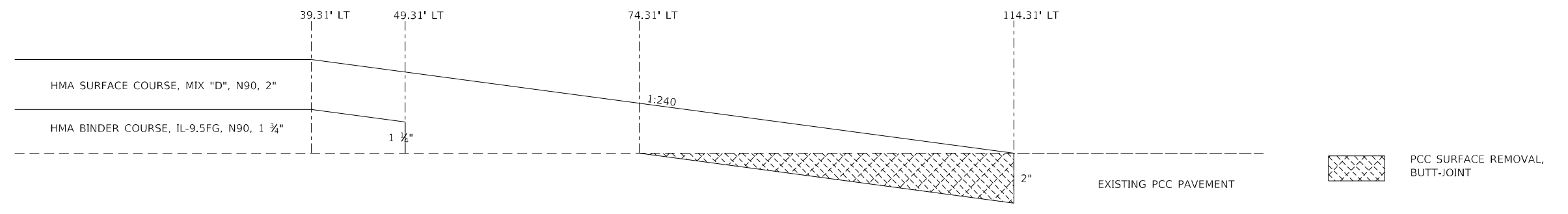
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

PROPOSED BUTT JOINT/PAVING DETAIL  
 LEG "E" - US40 WEST SECTION  
 STA 32+09 - STA 32+84



PROPOSED BUTT JOINT/PAVING DETAIL  
 LEG "F" - US40 WEST SECTION  
 STA 88+00, 114.31' LEFT



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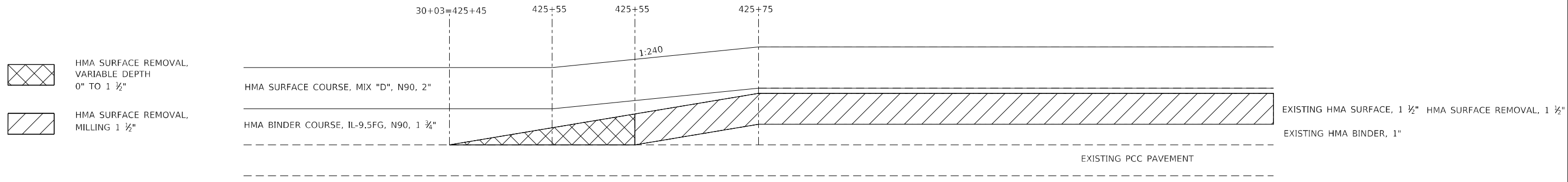
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVING DETAILS

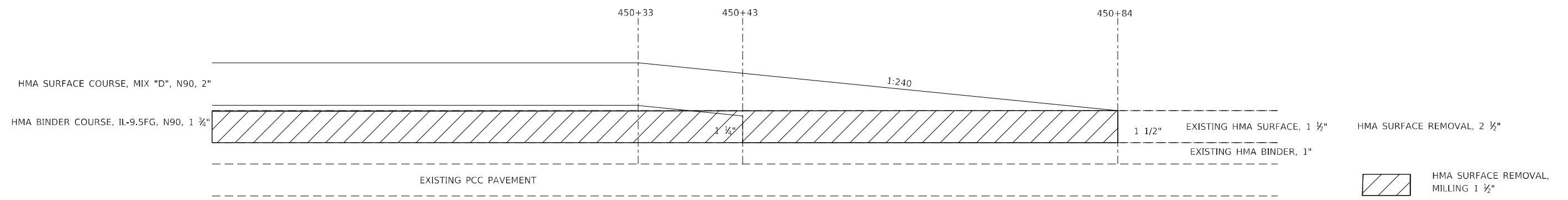
SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	39
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

PROPOSED PAVING DETAIL  
 LEG "F" - US40 EAST SECTION  
 STA 425+45 - 425+75



PROPOSED BUTT JOINT/PAVING DETAIL  
 LEG "F" - US40 EAST SECTION  
 STA 450+33 - STA 450+84



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PLOT DATE = 10/4/2023	CHECKED -	REVISED -
	DATE -	REVISED -

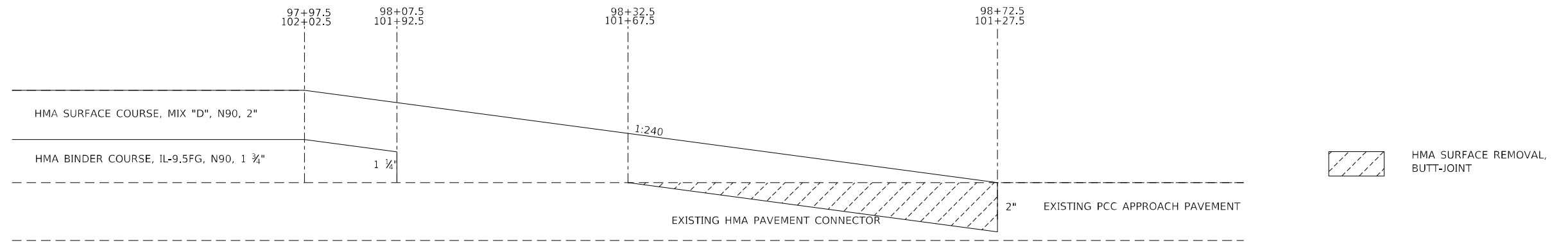
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PAVING DETAILS</b>			
SCALE:	SHEET 5	OF 6 SHEETS	STA. TO STA.

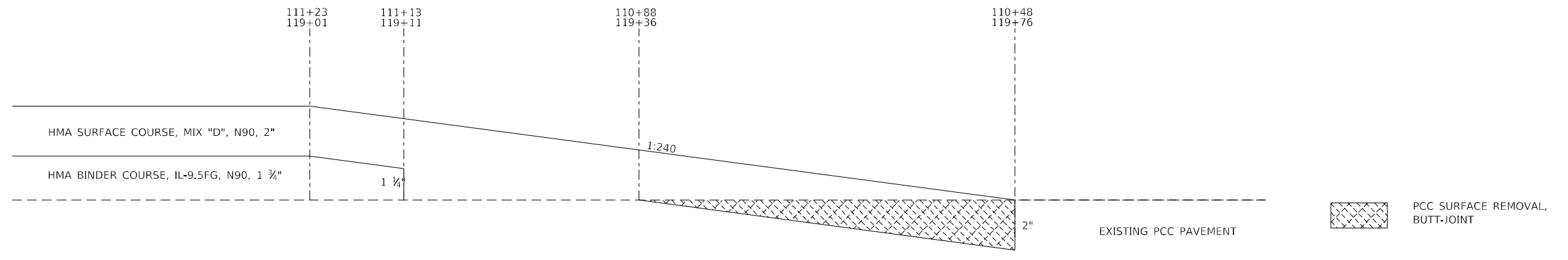
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	40
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



PROPOSED BUTT JOINT/PAVING DETAIL  
 US40 N/S SECTION  
 STA 97+97.5 - STA 98+72.5  
 STA 101+27.5 - STA 102+02.5



PROPOSED BUTT JOINT/PAVING DETAIL  
 US40 N/S SECTION  
 STA 110+48 - STA 111+23  
 STA 119+01 - STA 119+76



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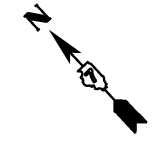
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PLOT DATE = 8/29/2023	DATE -	REVISED -





**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

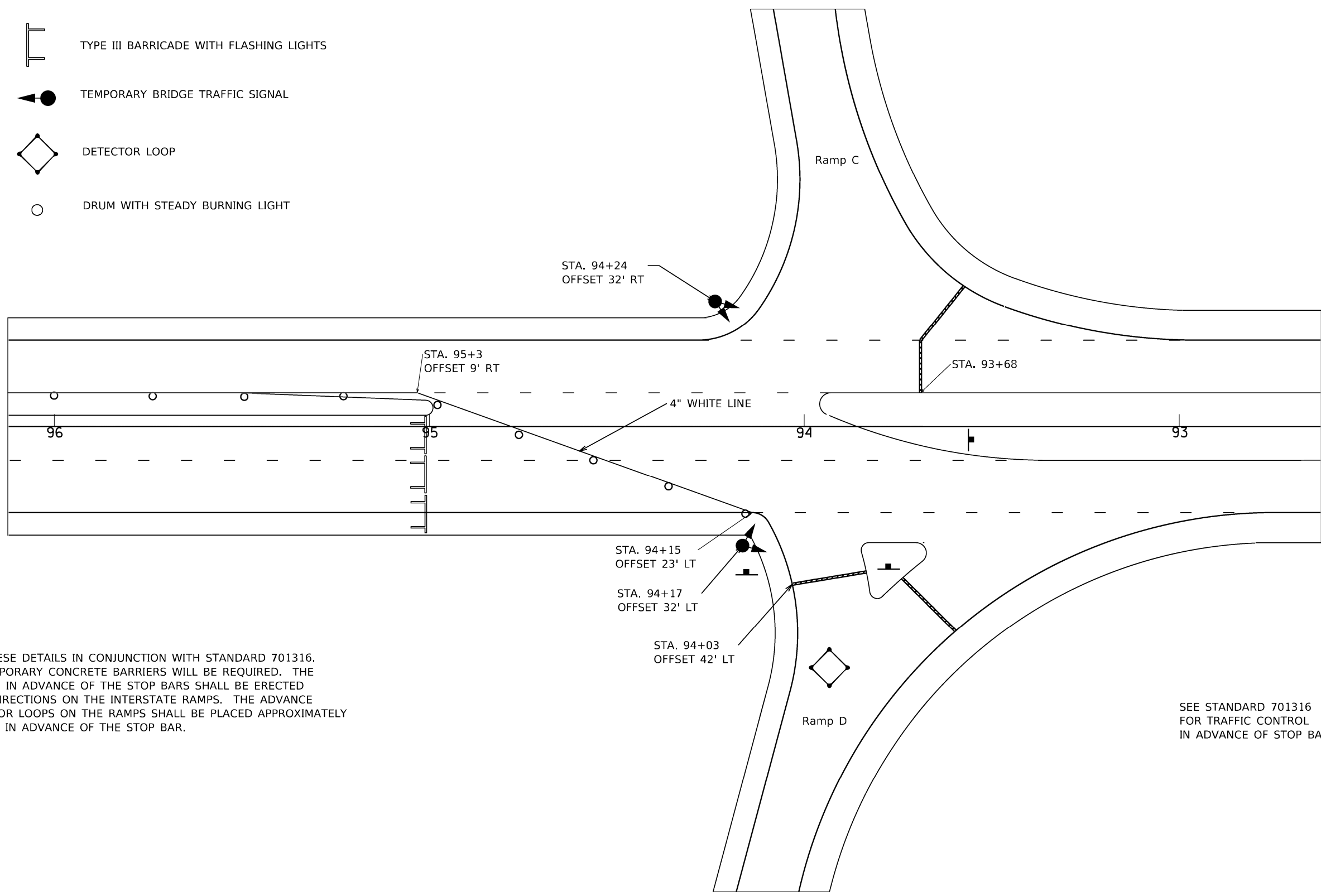
**PAVING DETAILS**

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	41
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  DETECTOR LOOP
-  DRUM WITH STEADY BURNING LIGHT



**NOTE:**

USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316. NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE SIGNING IN ADVANCE OF THE STOP BARS SHALL BE ERECTED BOTH DIRECTIONS ON THE INTERSTATE RAMPS. THE ADVANCE DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY 50 FEET IN ADVANCE OF THE STOP BAR.

SEE STANDARD 701316 FOR TRAFFIC CONTROL IN ADVANCE OF STOP BARS.

REV. - MS

MODEL: Default  
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USER NAME = jessica.hille	DESIGNED -	REVISED -
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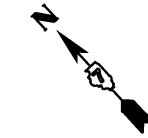
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**





**STAGE I TRAFFIC CONTROL  
SN 026-0087**

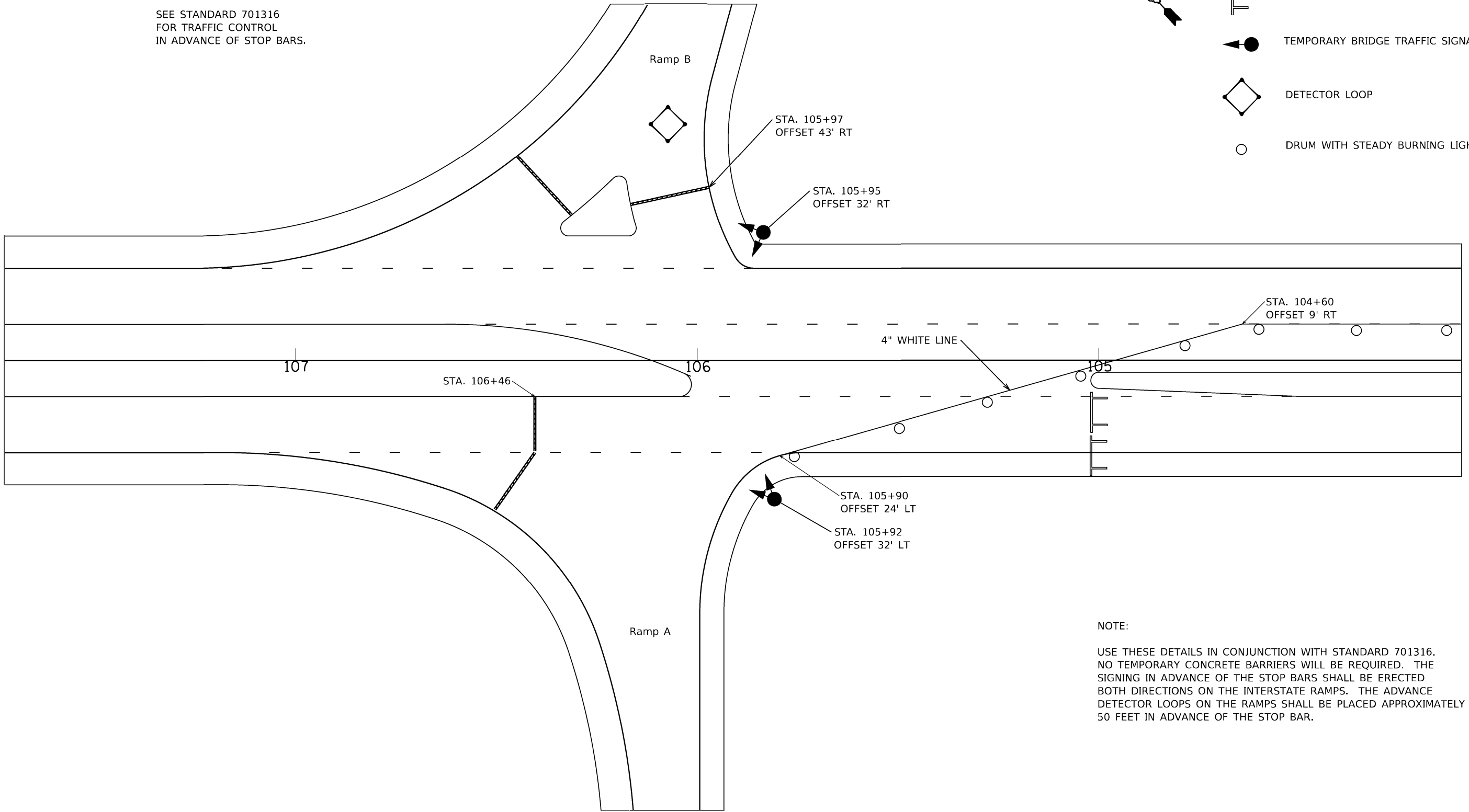
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	42
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

SEE STANDARD 701316  
FOR TRAFFIC CONTROL  
IN ADVANCE OF STOP BARS.



-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  DETECTOR LOOP
-  DRUM WITH STEADY BURNING LIGHT



NOTE:  
USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316.  
NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE  
SIGNING IN ADVANCE OF THE STOP BARS SHALL BE ERECTED  
BOTH DIRECTIONS ON THE INTERSTATE RAMPS. THE ADVANCE  
DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY  
50 FEET IN ADVANCE OF THE STOP BAR.

REV. - MS

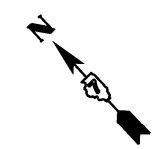
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USER NAME = jessica.hille	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

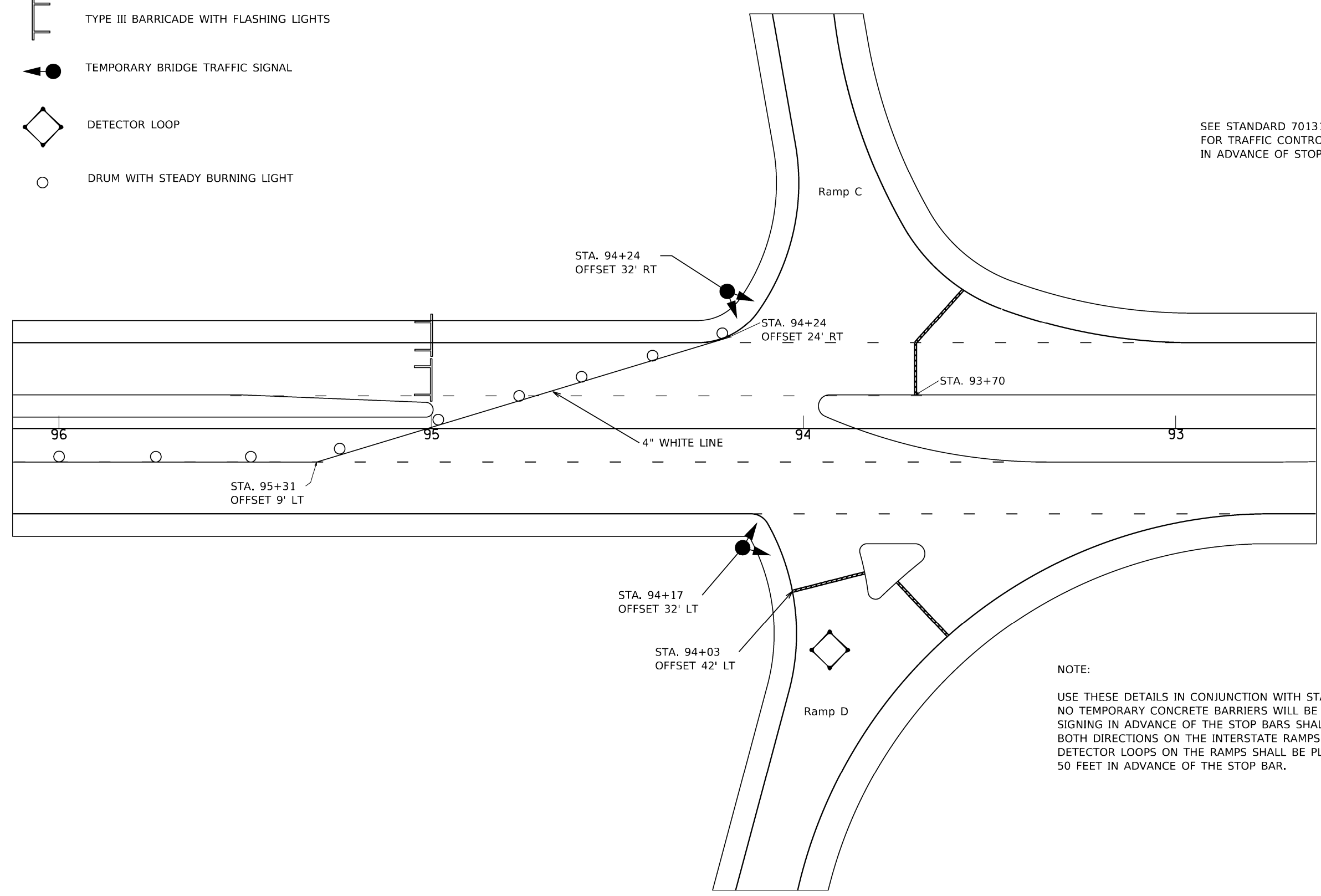
<b>STAGE I TRAFFIC CONTROL</b>			
<b>SN 026-0087</b>			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	43
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  DETECTOR LOOP
-  DRUM WITH STEADY BURNING LIGHT

SEE STANDARD 701316  
FOR TRAFFIC CONTROL  
IN ADVANCE OF STOP BARS.



NOTE:  
USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316.  
NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE  
SIGNING IN ADVANCE OF THE STOP BARS SHALL BE ERECTED  
BOTH DIRECTIONS ON THE INTERSTATE RAMPS. THE ADVANCE  
DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY  
50 FEET IN ADVANCE OF THE STOP BAR.

REV. - MS

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PLOT DATE = 8/29/2023	DATE -	REVISED -

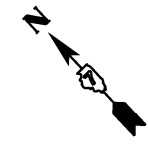
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**





**STAGE II TRAFFIC CONTROL  
SN 026-0087**

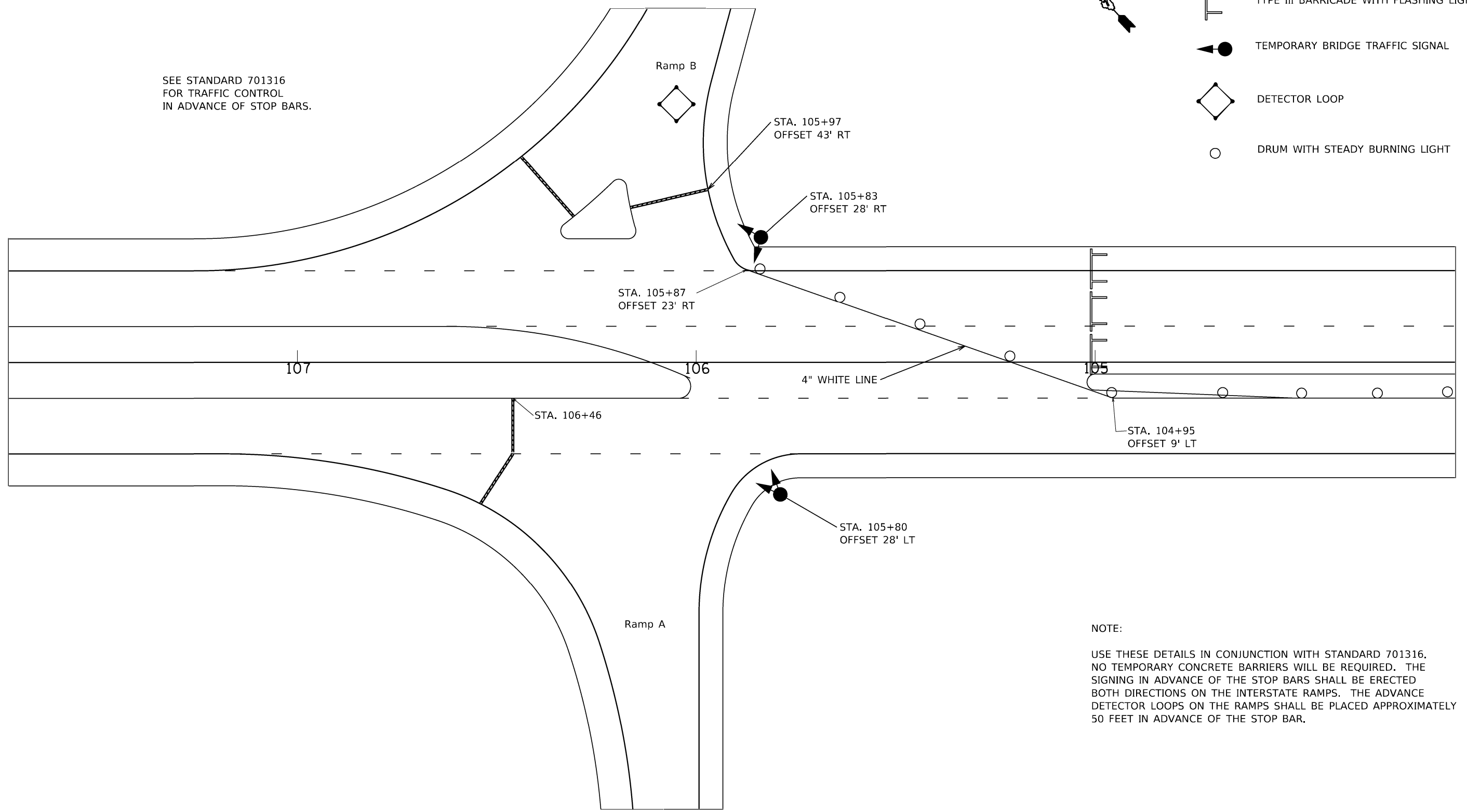
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	44
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

SEE STANDARD 701316  
FOR TRAFFIC CONTROL  
IN ADVANCE OF STOP BARS.



-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  DETECTOR LOOP
-  DRUM WITH STEADY BURNING LIGHT



**NOTE:**

USE THESE DETAILS IN CONJUNCTION WITH STANDARD 701316. NO TEMPORARY CONCRETE BARRIERS WILL BE REQUIRED. THE SIGNING IN ADVANCE OF THE STOP BARS SHALL BE ERECTED BOTH DIRECTIONS ON THE INTERSTATE RAMPS. THE ADVANCE DETECTOR LOOPS ON THE RAMPS SHALL BE PLACED APPROXIMATELY 50 FEET IN ADVANCE OF THE STOP BAR.

REV. - MS

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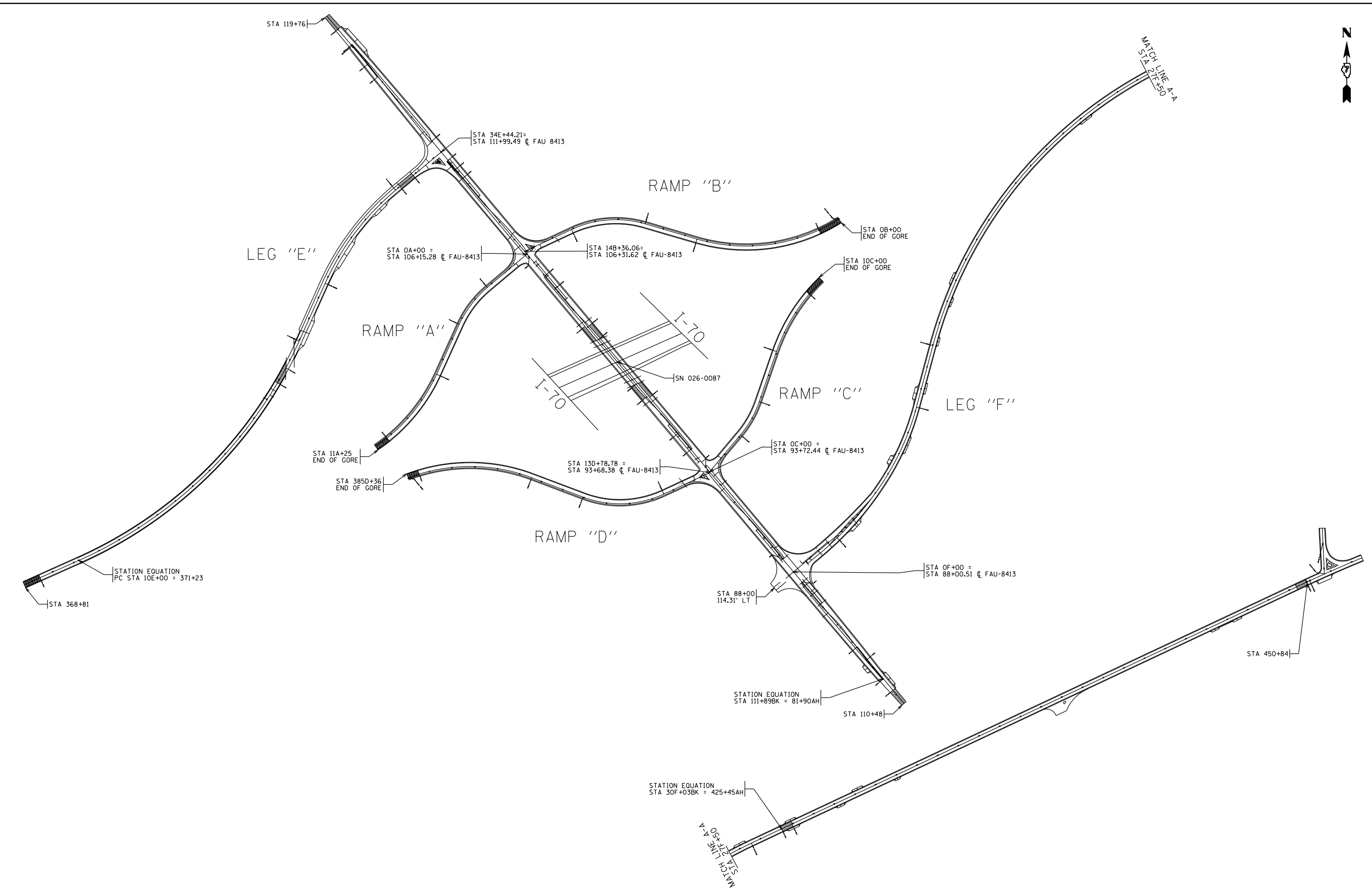
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC CONTROL  
SN 026-0087**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	45
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



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DRAWN -	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PLAN OVERVIEW</b>			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	46
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

PROJECT BEGINS

STA 368+81

695

370

1

8

371

IOE

PC STA 10E+00 = 371+23

12

12

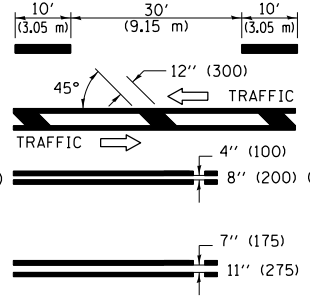
12

11E

12E+00

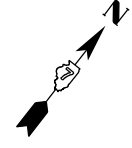
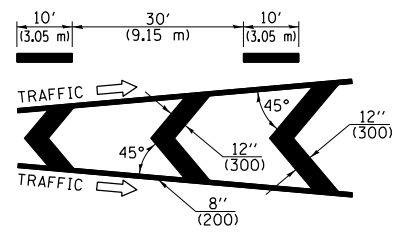
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)



PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



12E+00

13E

14E

8

12

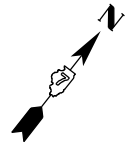
12

12

1

16E

16E+52



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USER NAME = jessica.ville	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/29/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

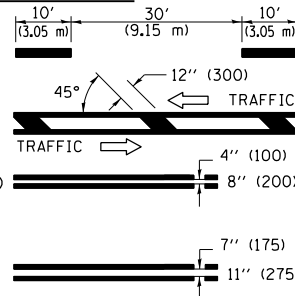
PAVEMENT MARKING DETAILS  
US-40 LEG "E"

SCALE: SHEET 1 OF 3 SHEETS STA. 368+61 TO STA. 16E+52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	47
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

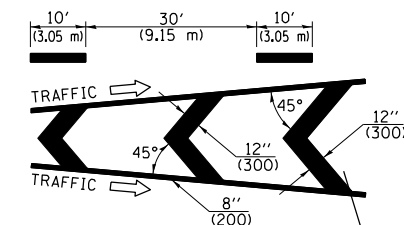
**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

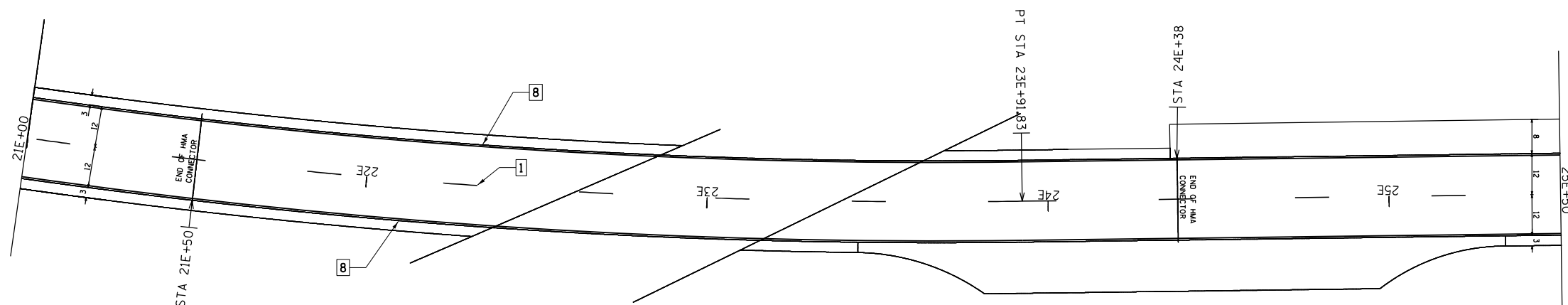
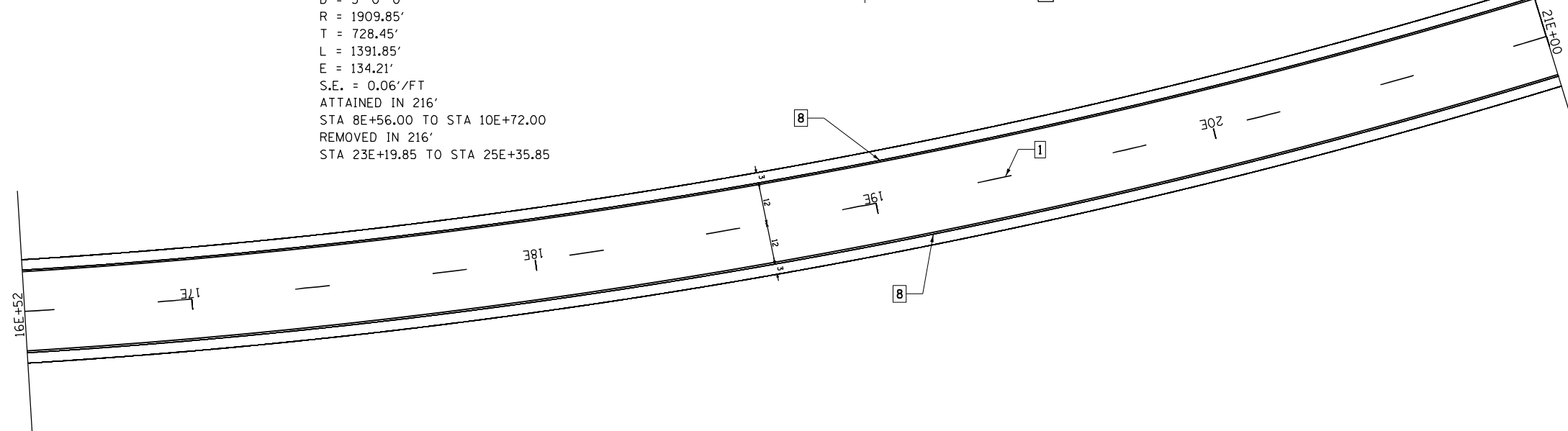


**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



PI = STA 17E+28.45  
 $\Delta = 41^\circ 45' 19''$   
D = 3° 0' 0"  
R = 1909.85'  
T = 728.45'  
L = 1391.85'  
E = 134.21'  
S.E. = 0.06'/FT  
ATTAINED IN 216'  
STA 8E+56.00 TO STA 10E+72.00  
REMOVED IN 216'  
STA 23E+19.85 TO STA 25E+35.85



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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
US-40 LEG "E"**

SCALE: SHEET 2 OF 3 SHEETS STA. 16E+52 TO STA. 25E+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	48
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

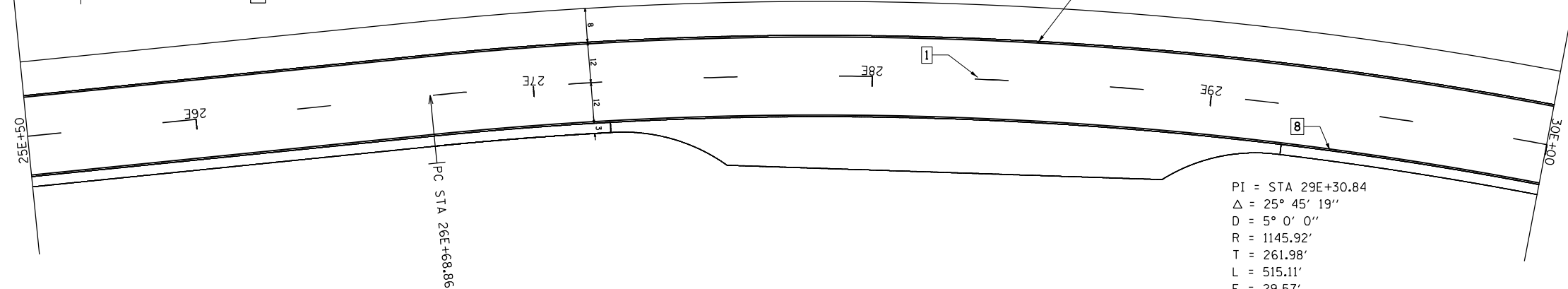


PAVEMENT MARKING LEGEND

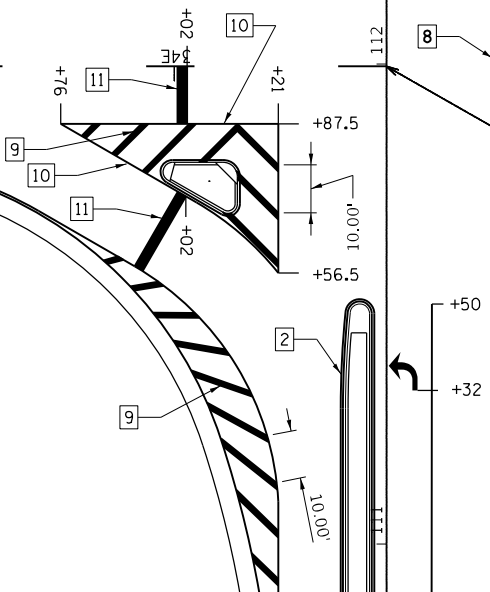
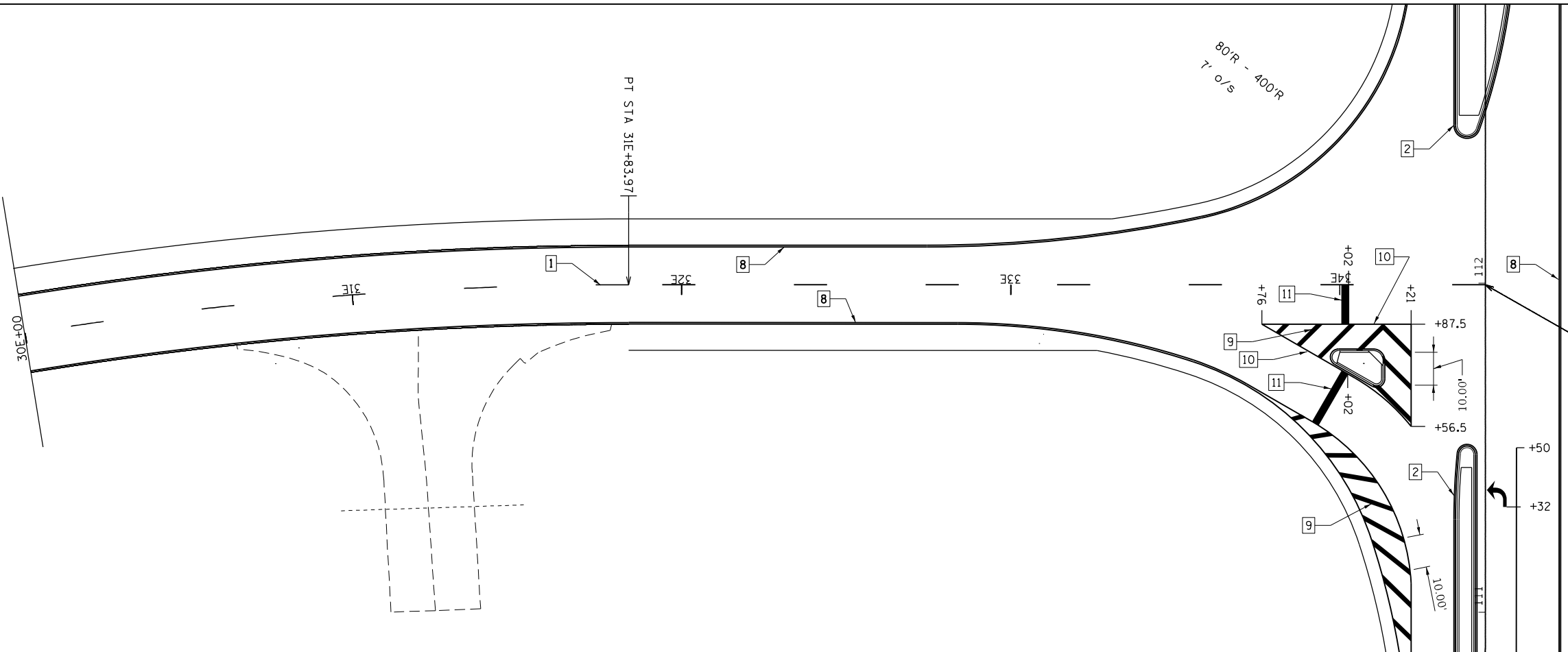
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



PI = STA 29E+30.84  
 $\Delta = 25^\circ 45' 19''$   
 $D = 5^\circ 0' 0''$   
 $R = 1145.92'$   
 $T = 261.98'$   
 $L = 515.11'$   
 $E = 29.57'$   
 $S.E. = 0.08'/FT$   
 ATTAINED IN 200'  
 STA 25E+35.86 TO STA 27E+35.86  
 REMOVED IN 150'  
 STA 31E+33.97 TO 32E+83.97



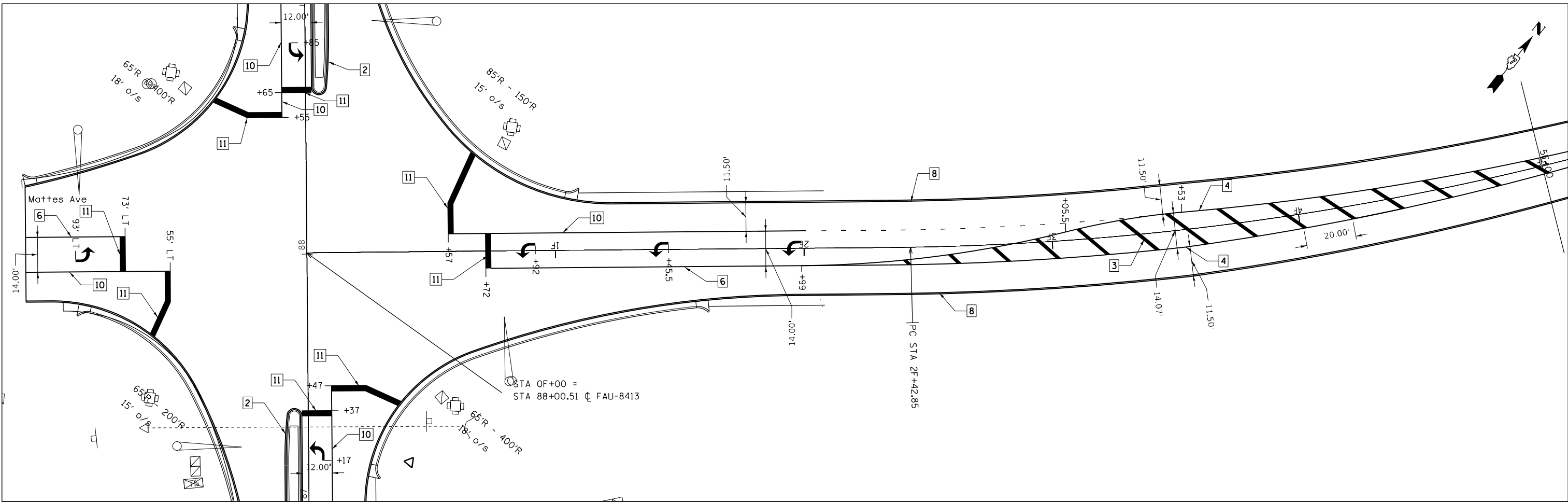
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USER NAME = jessica.ville	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2023	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS			
US-40 LEG "E"			
SCALE:	SHEET 3	OF 3	SHEETS
	STA. 25E+50	TO STA.	34E+44.21

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	49
			CONTRACT NO. 74471	
		ILLINOIS	FED. AID PROJECT	



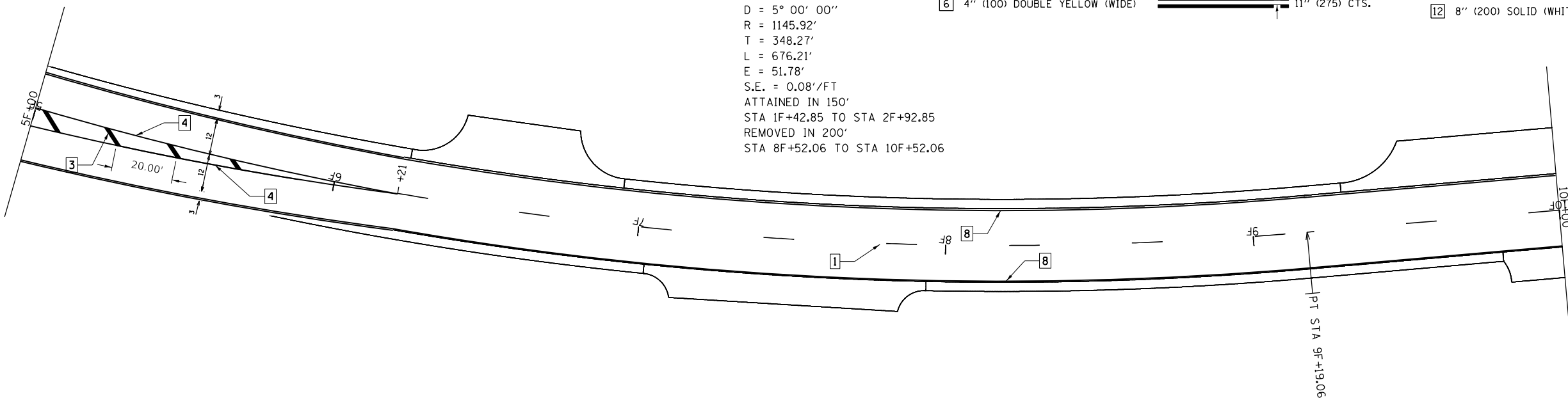
**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

PI = STA 5F+91.12  
 $\Delta = 33^\circ 48' 38''$   
 $D = 5^\circ 00' 00''$   
 $R = 1145.92'$   
 $T = 348.27'$   
 $L = 676.21'$   
 $E = 51.78'$   
 $S.E. = 0.08'/FT$   
 ATTAINED IN 150'  
 STA 1F+42.85 TO STA 2F+92.85  
 REMOVED IN 200'  
 STA 8F+52.06 TO STA 10F+52.06



MODEL: Default  
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USER NAME = jessica.wille	DESIGNED -	REVISED -
DRAWN -	REVISIONS -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
US-40 LEG "F"**

SCALE: SHEET 1 OF 7 SHEETS STA. 0F+00 TO STA. 10F+00

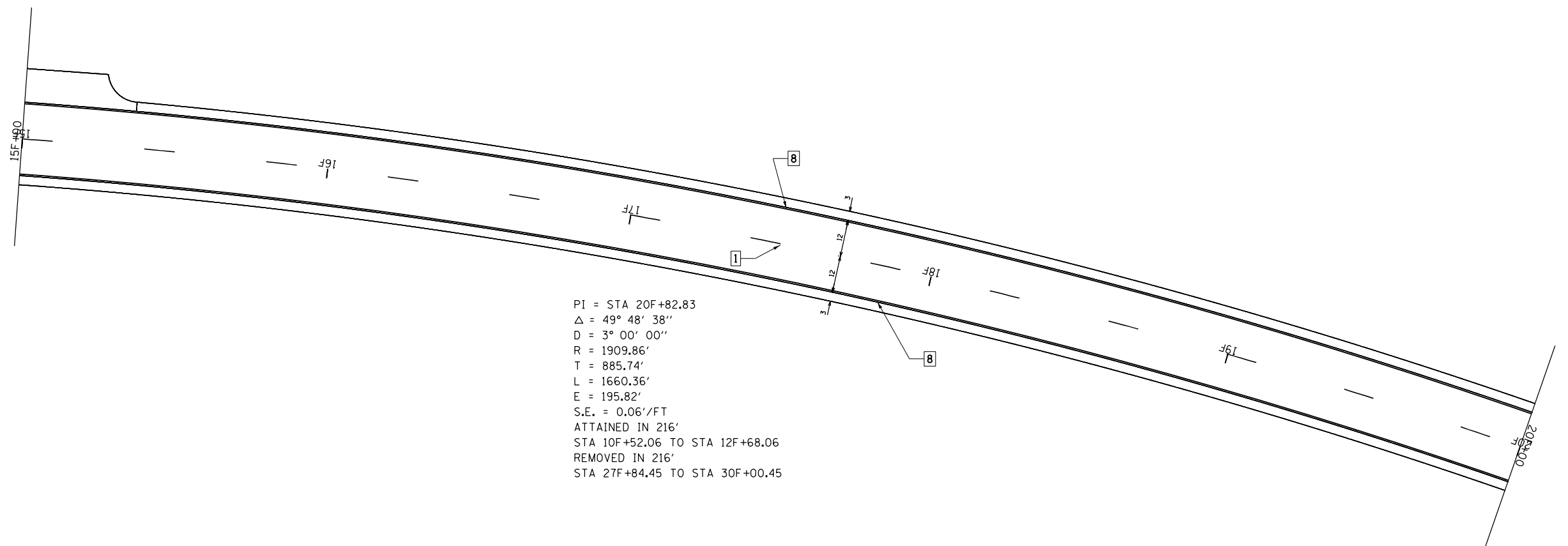
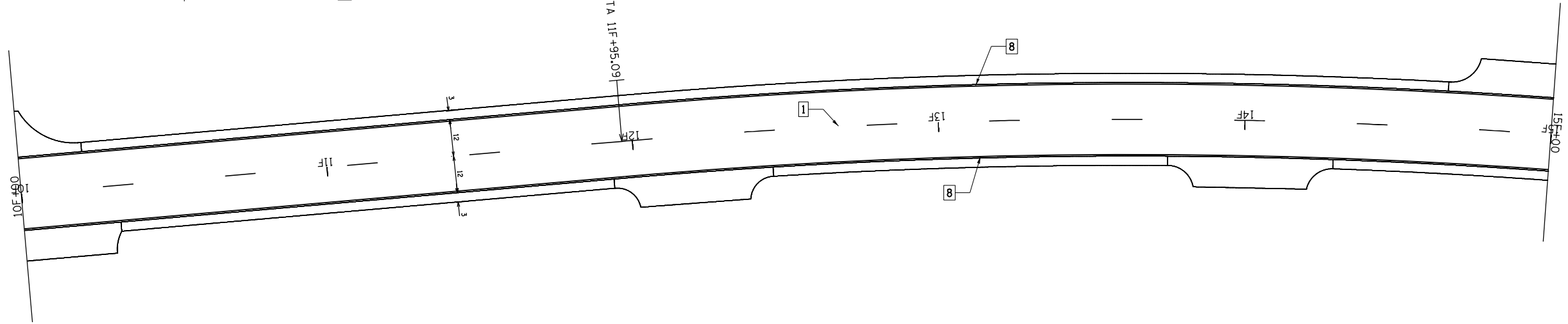
F.A.U. RTE. 8413	SECTION (O-2),(26-1K)RS	COUNTY FAYETTE	TOTAL SHEETS 85	SHEET NO. 50
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



MODEL: Default  
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PLOT DATE = 8/29/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS  
US-40 LEG "F"

SCALE: SHEET 2 OF 7 SHEETS STA. 10F+00 TO STA. 20F+00

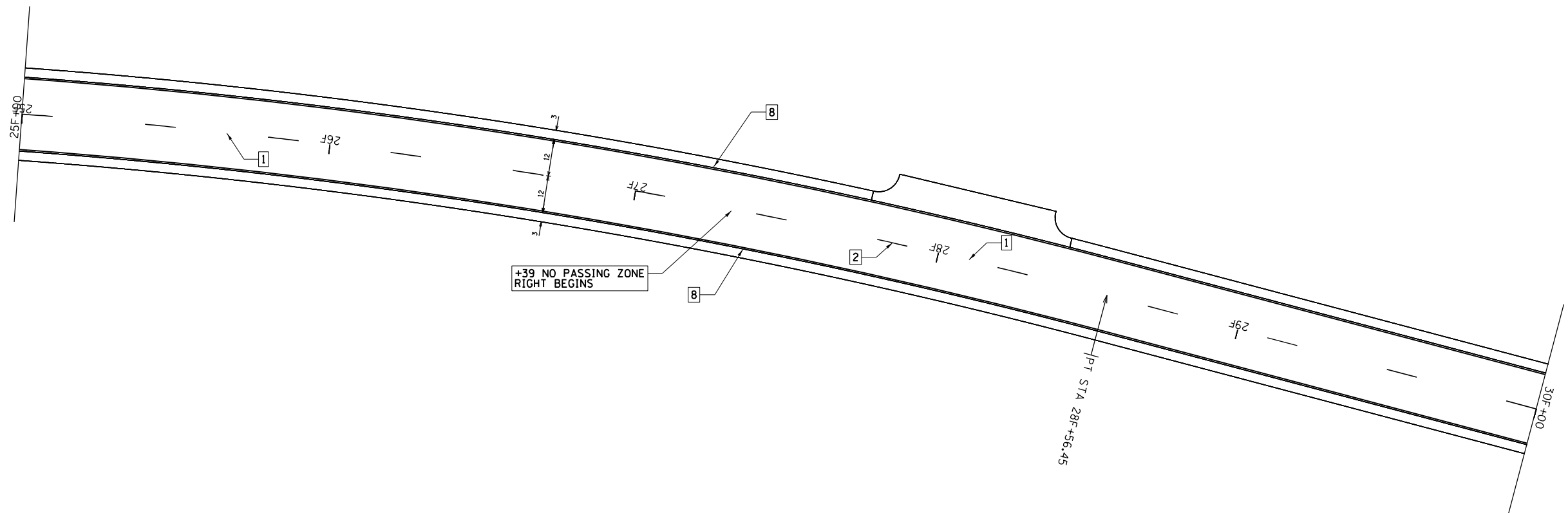
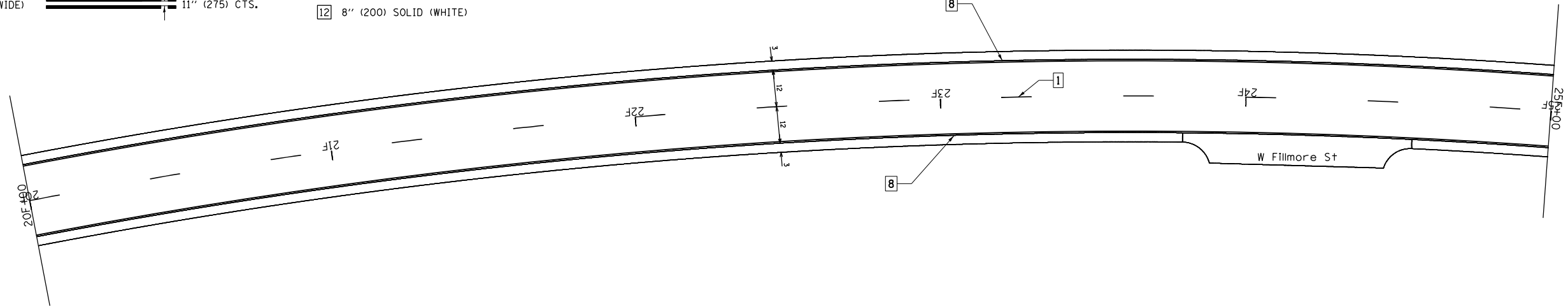
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8413	(O-2),(26-1K)RS	FAYETTE	85	51
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

PAVEMENT MARKING LEGEND CONTINUED

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



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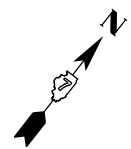
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

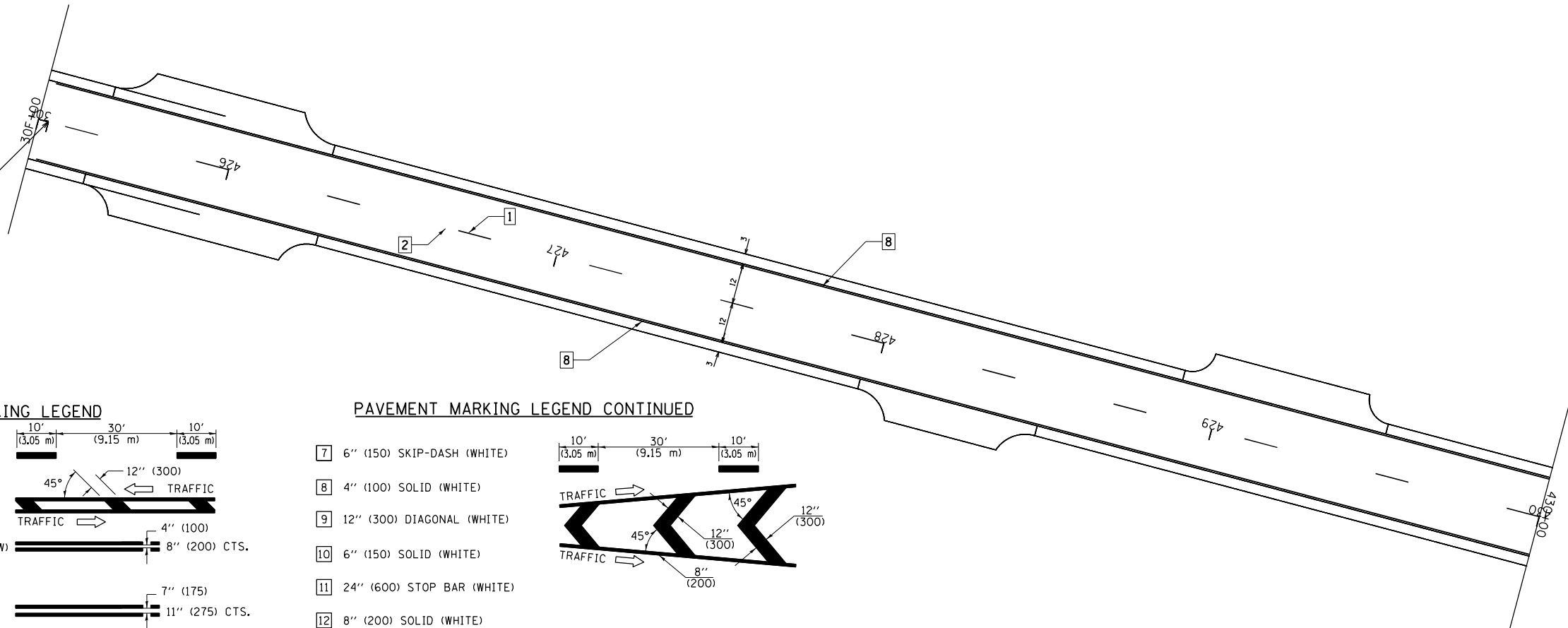
PAVEMENT MARKING DETAILS  
US-40 LEG "F"

SCALE: SHEET 3 OF 7 SHEETS STA. 20F+00 TO STA. 30F+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	52
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



STATION EQUATION  
STA 30F+03BK = 425+45AH

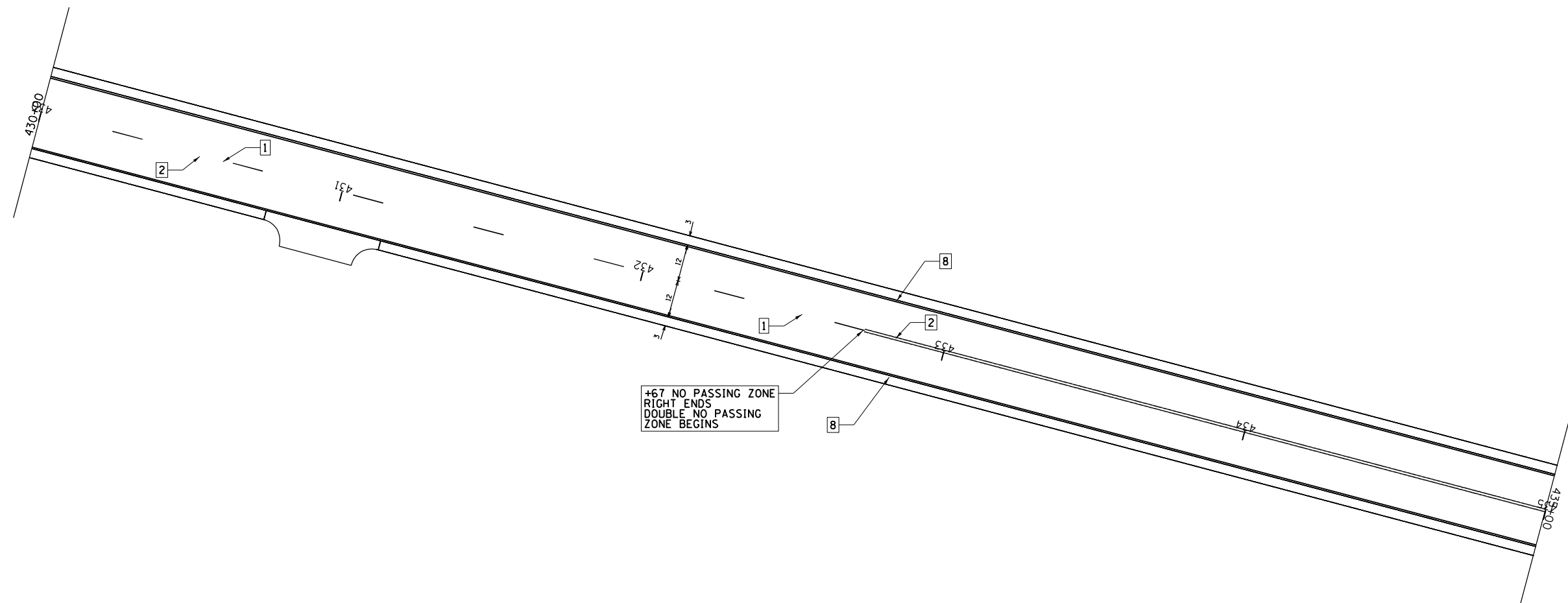
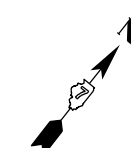


**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



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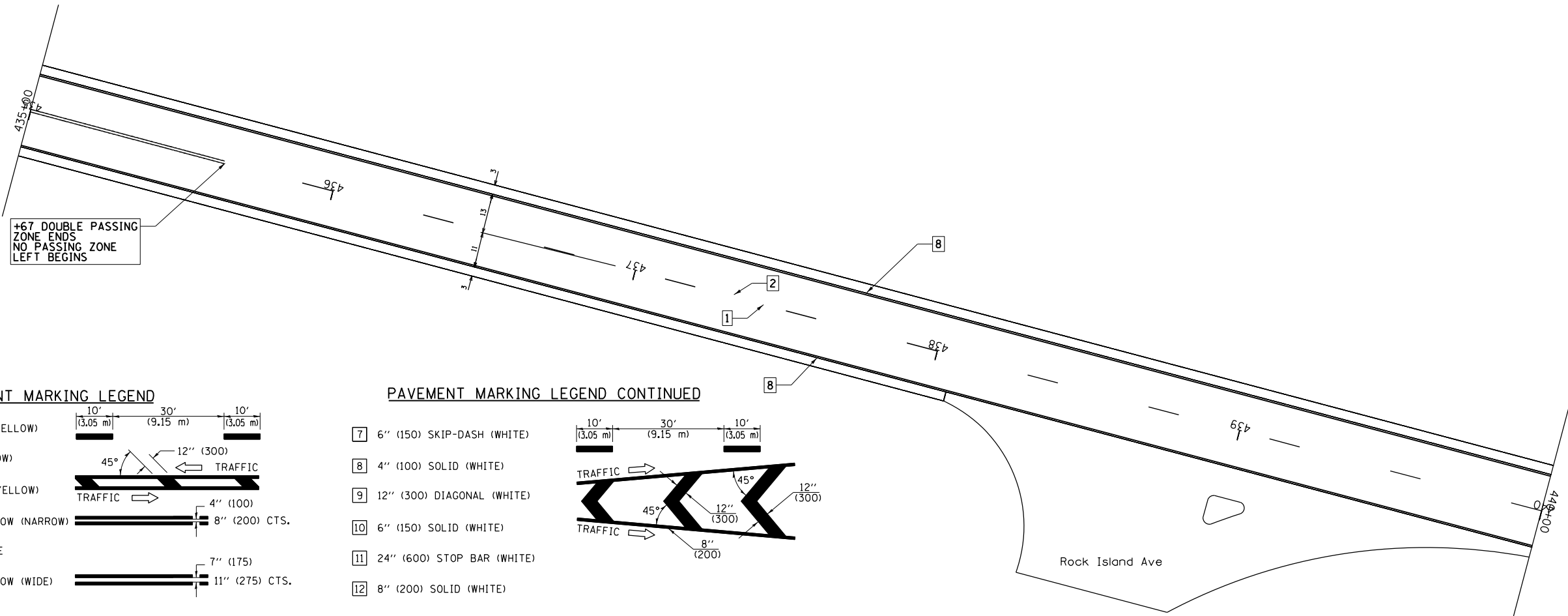
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
US-40 LEG "F"**

SCALE: SHEET 4 OF 7 SHEETS STA. 30F+00 TO STA. 435+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

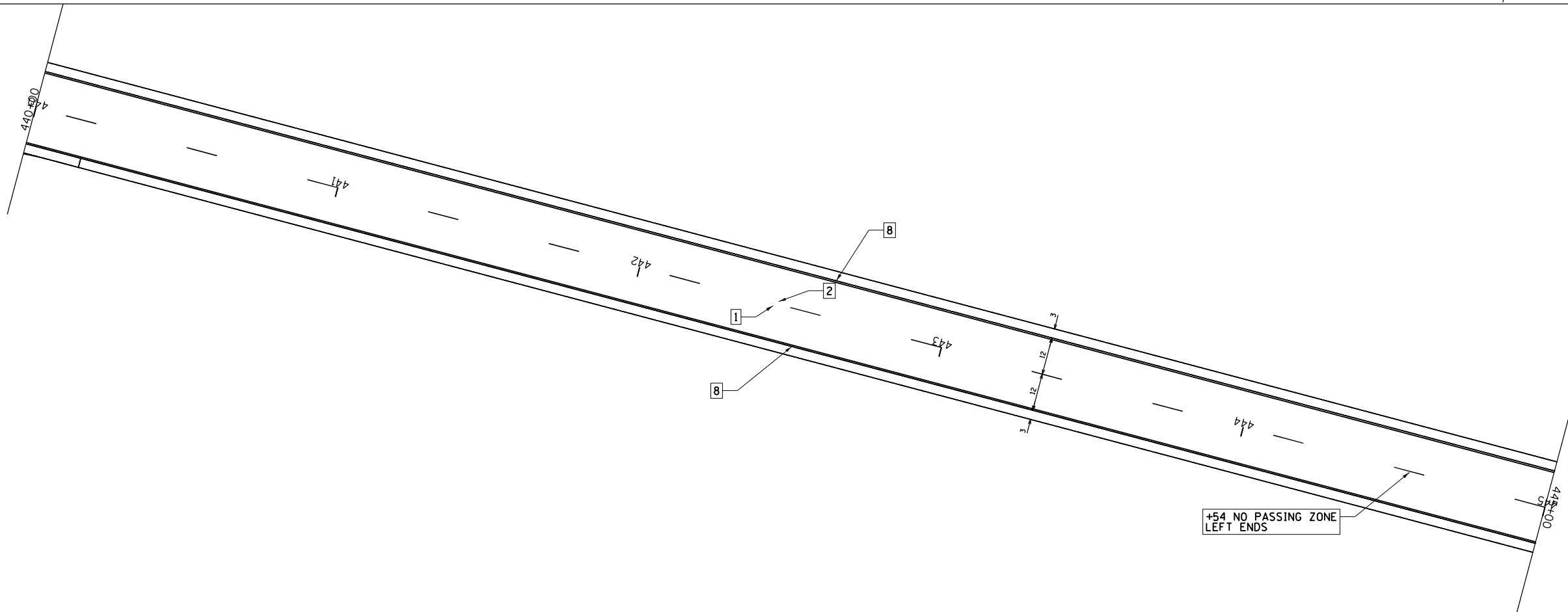


**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



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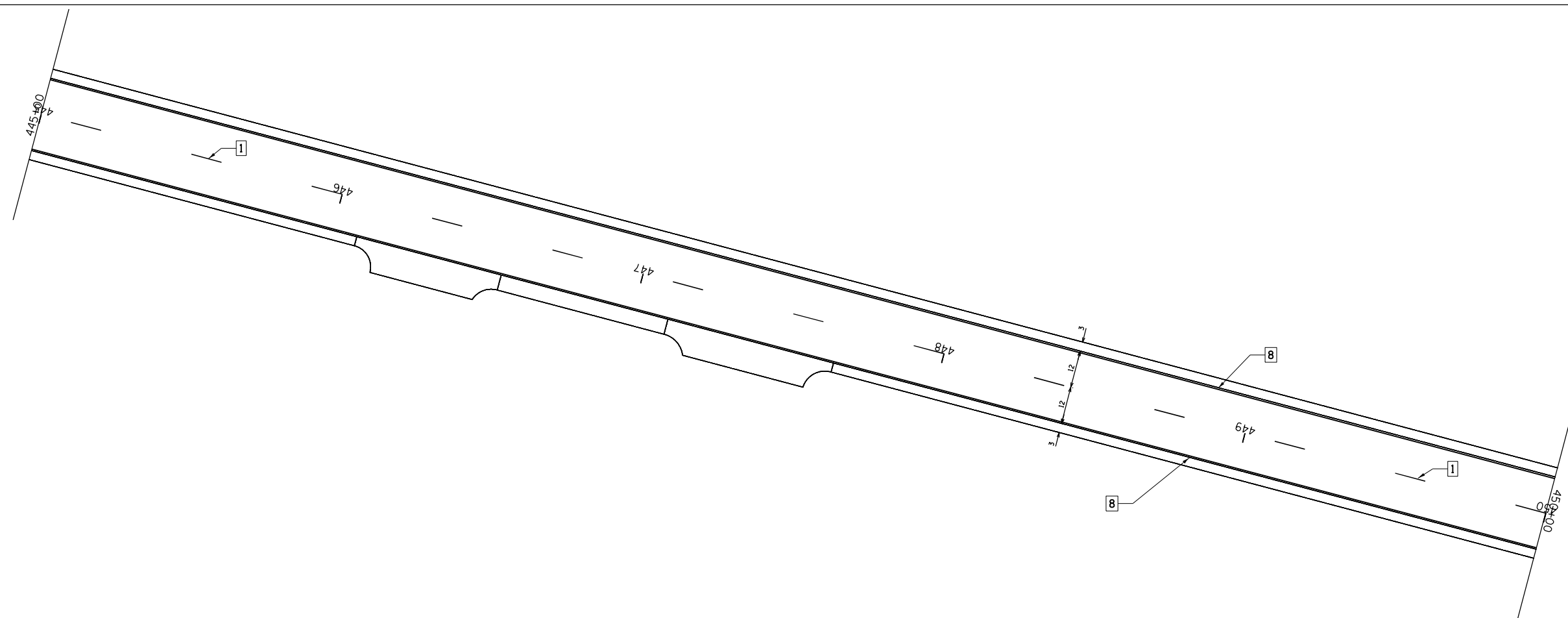
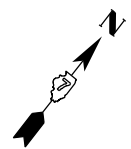
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**  
**US-40 LEG "F"**

SCALE: SHEET 5 OF 7 SHEETS STA. 435+00 TO STA. 445+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	54
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 12" (300) SOLID WHITE
  - 6 4" (100) DOUBLE YELLOW (WIDE)
- 
- 
- 
- 

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) SOLID (WHITE)
  - 11 24" (600) STOP BAR (WHITE)
  - 12 8" (200) SOLID (WHITE)
- 
- 
- 

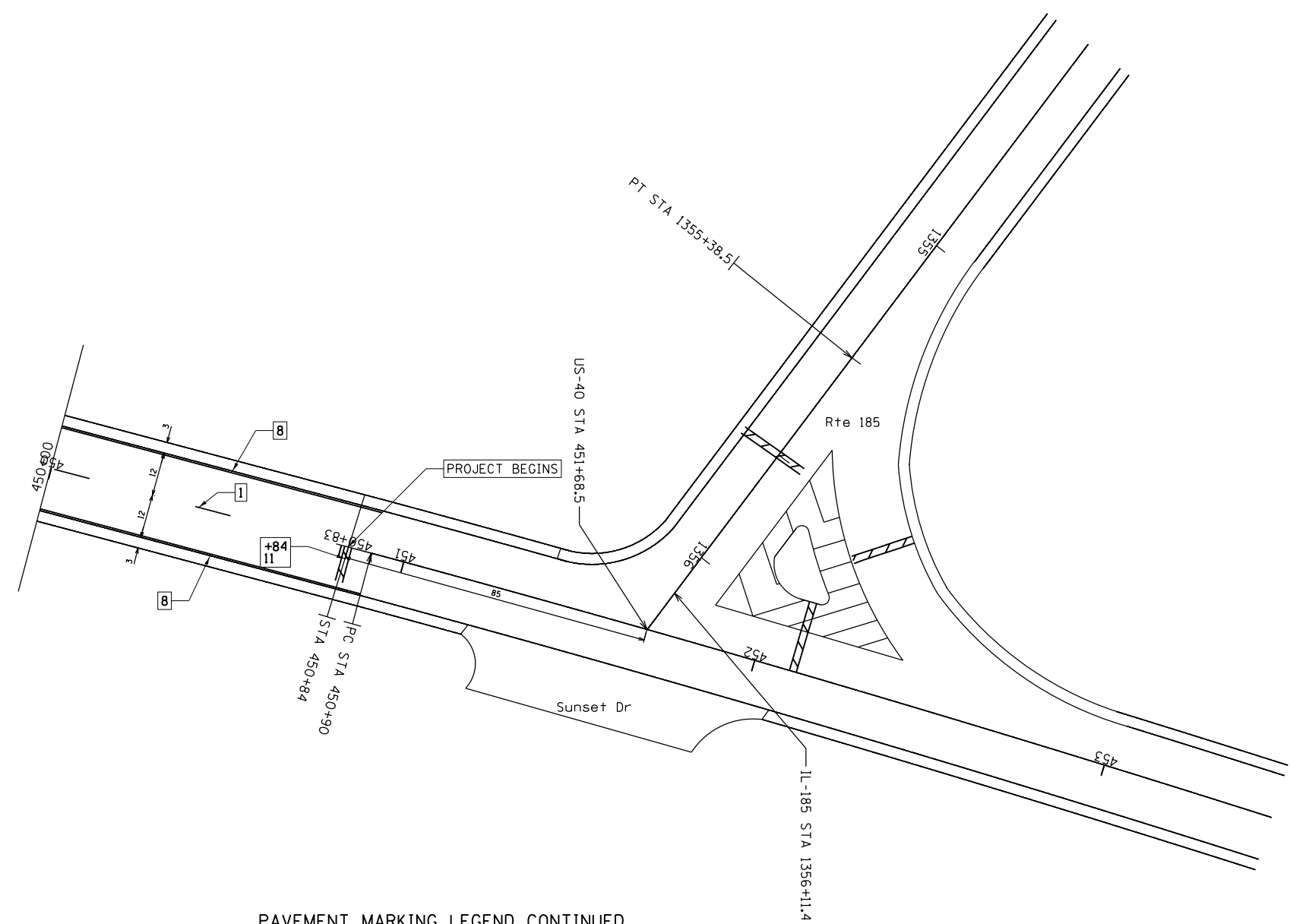
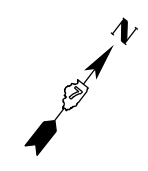
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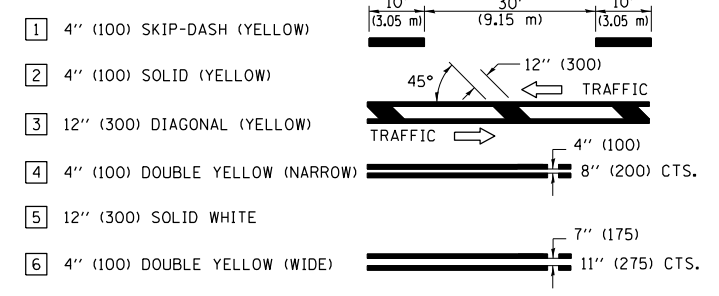
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
US-40 LEG "F"			
SCALE:	SHEET 6	OF 7 SHEETS	STA. 445+00 TO STA. 450+00

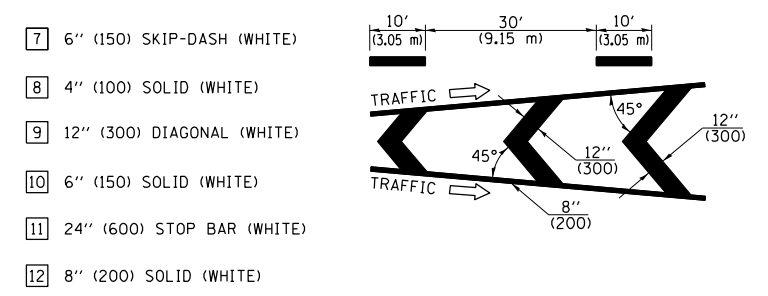
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8413	(0-2),(26-1K)RS	FAYETTE	85	55
			CONTRACT NO. 74471	
			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING LEGEND**



**PAVEMENT MARKING LEGEND CONTINUED**



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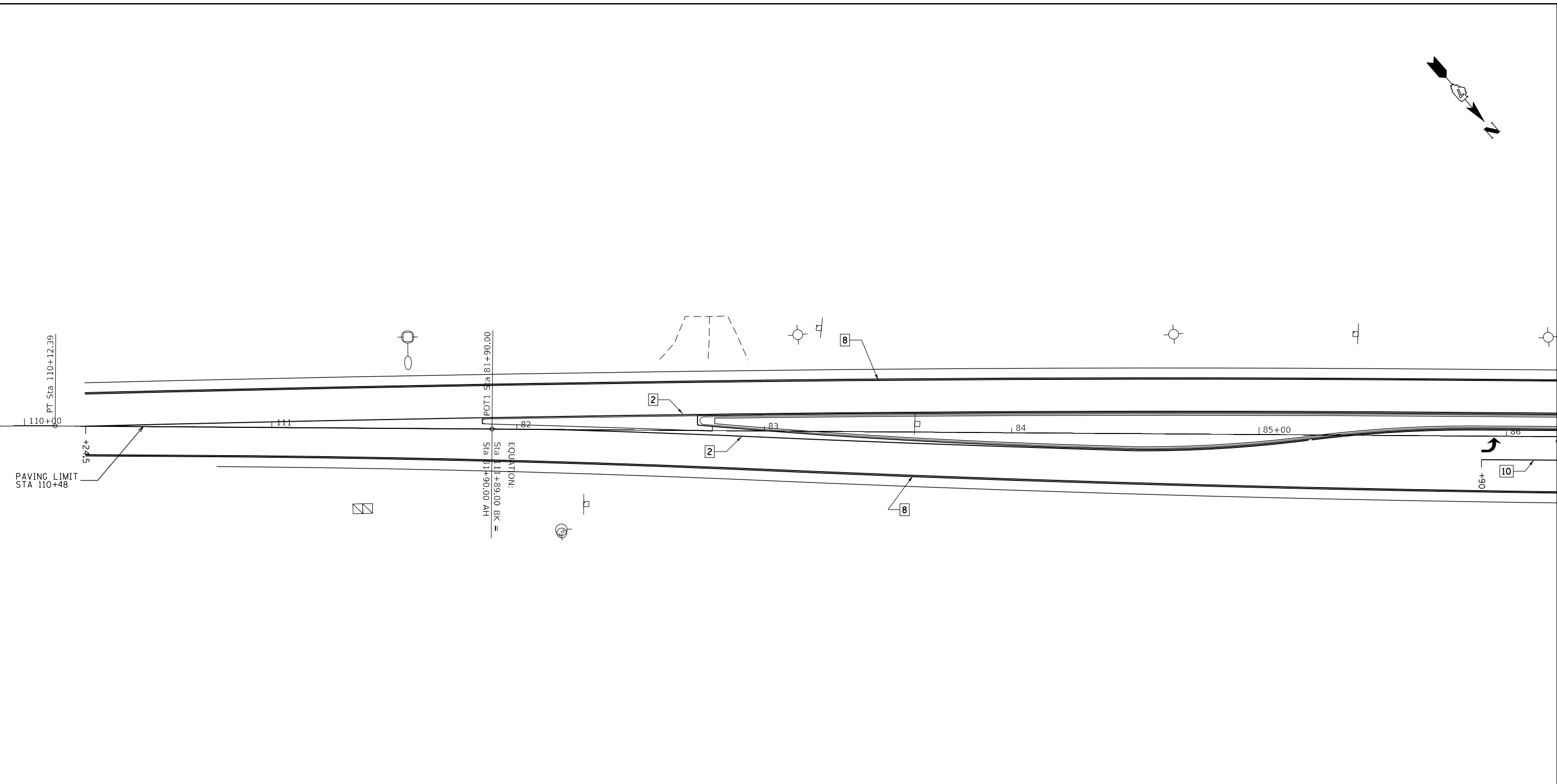
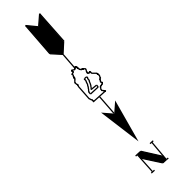
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
US-40 LEG "F"**

SCALE: SHEET 7 OF 7 SHEETS STA. 450+00 TO STA. 453+47

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	56
CONTRACT NO. 74471				
ILLINOIS		FED. AID PROJECT		





**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

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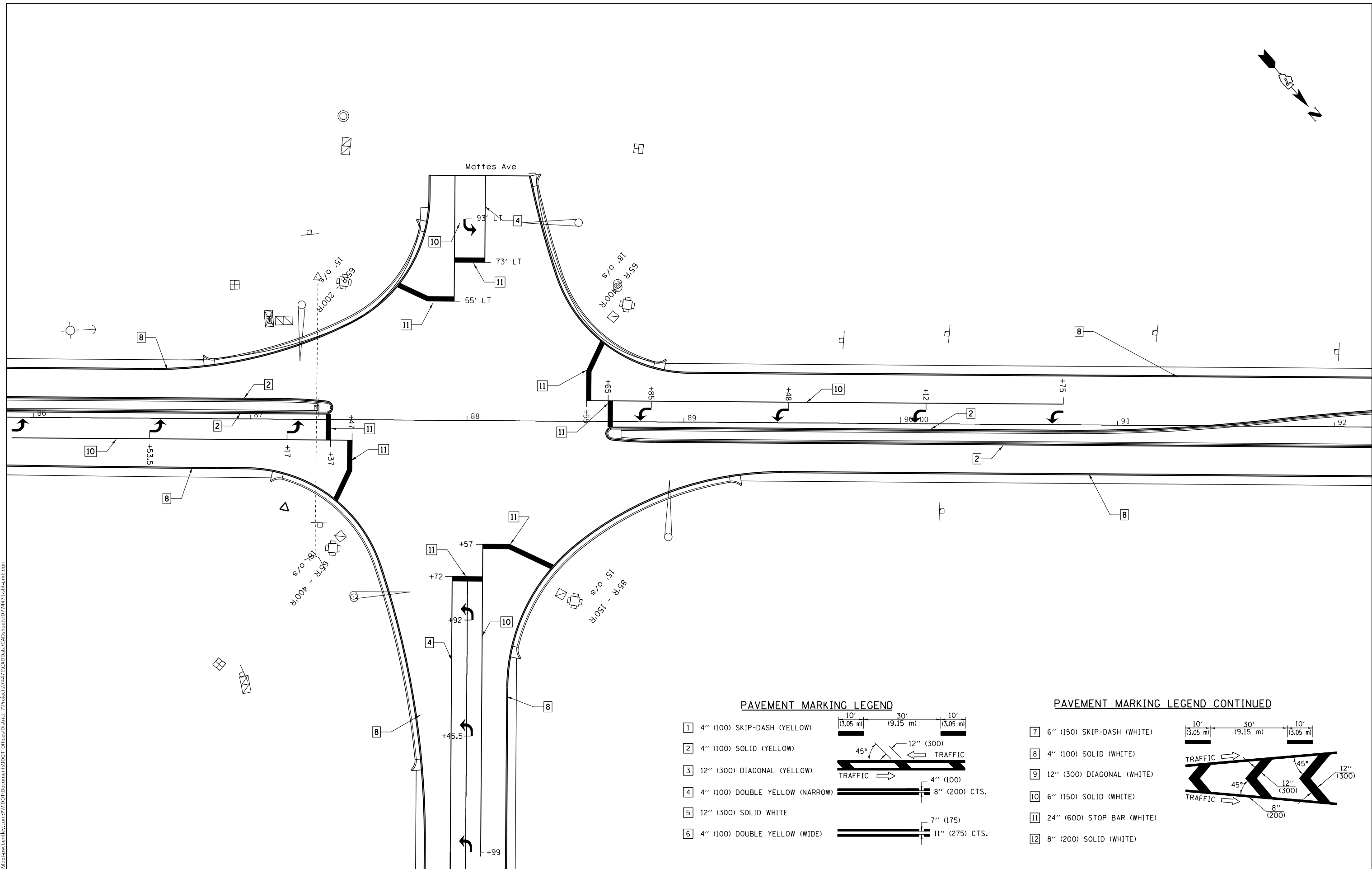
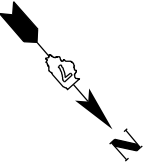
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PLOT DATE = 8/29/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 40 PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	57
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

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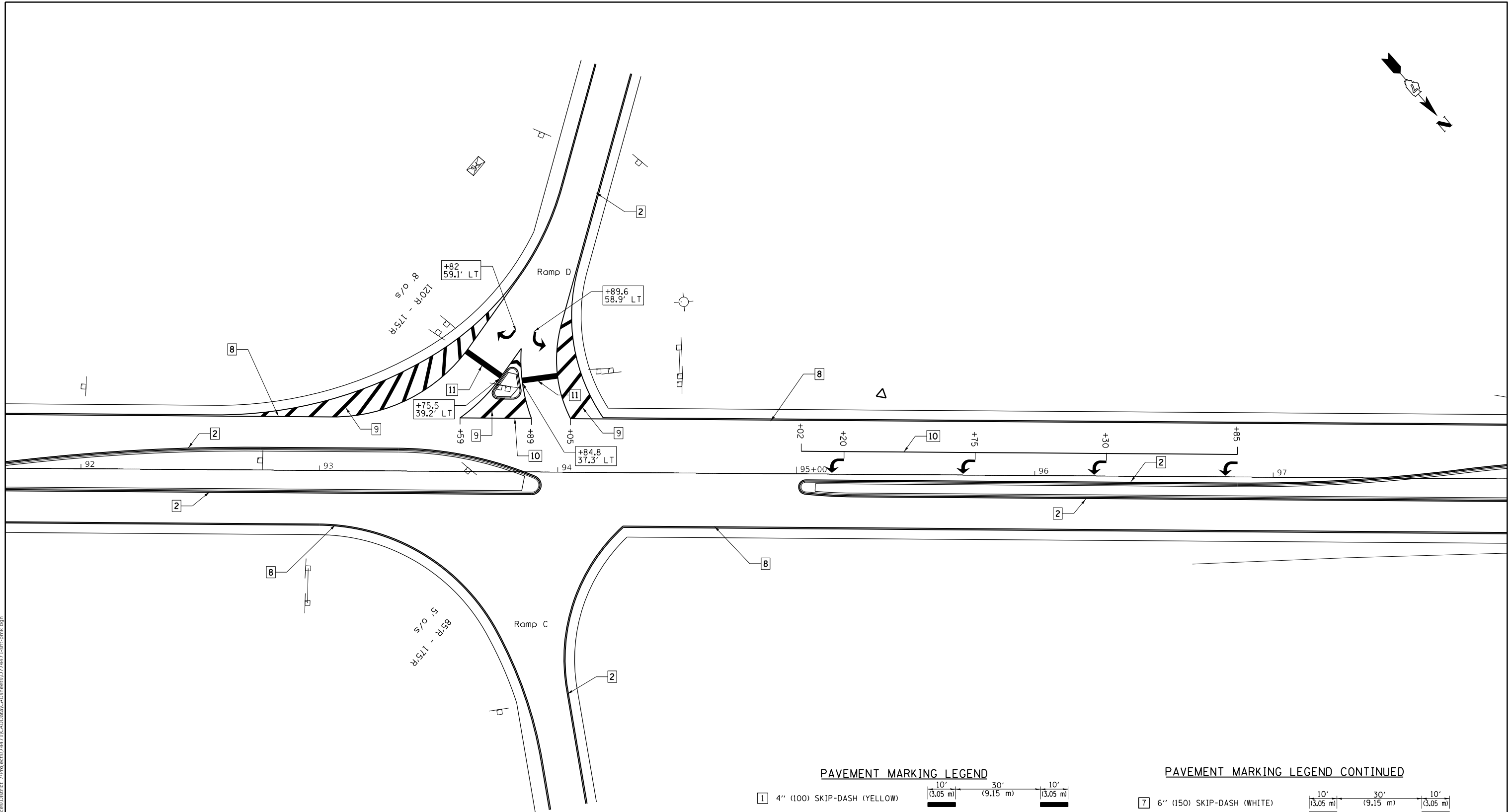
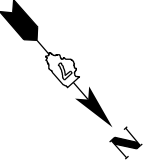
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 40 PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	58
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW) 10' (3.05 m) 30' (9.15 m) 10' (3.05 m)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW) 4" (100)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE) 7" (175)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

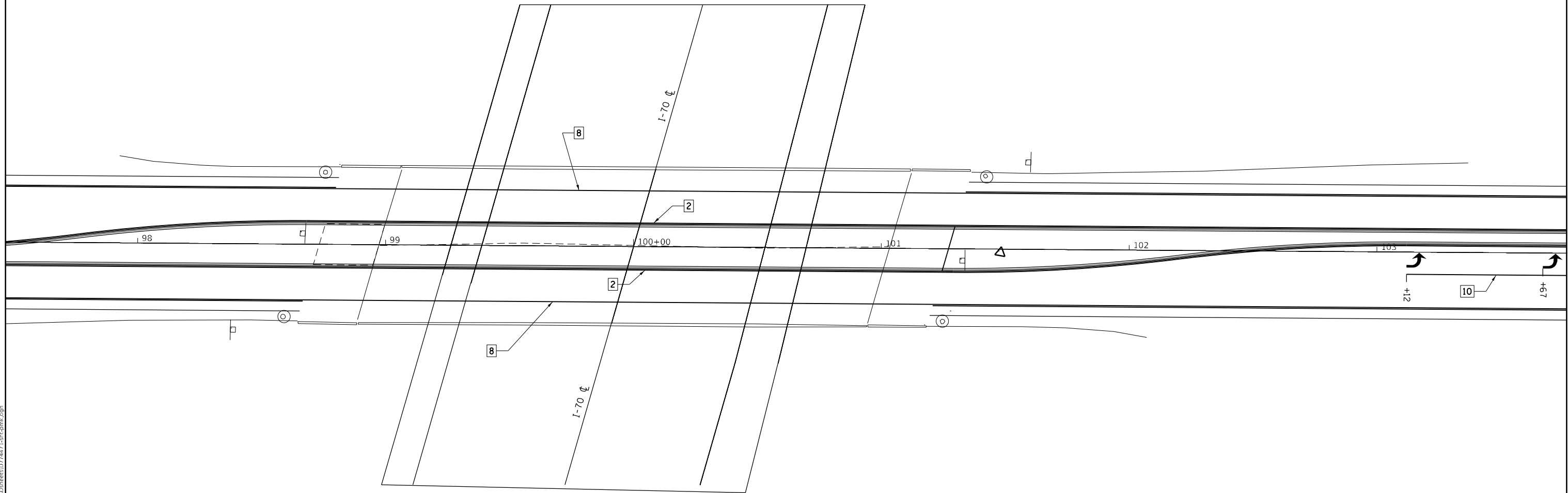
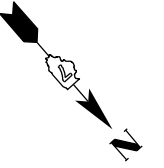
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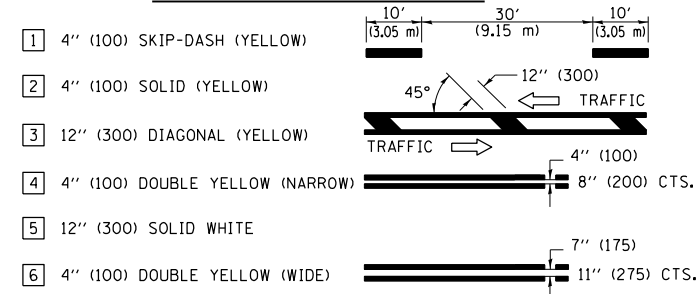
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 40 PAVEMENT MARKING DETAILS**  
 SCALE: SHEET OF SHEETS STA. TO STA.

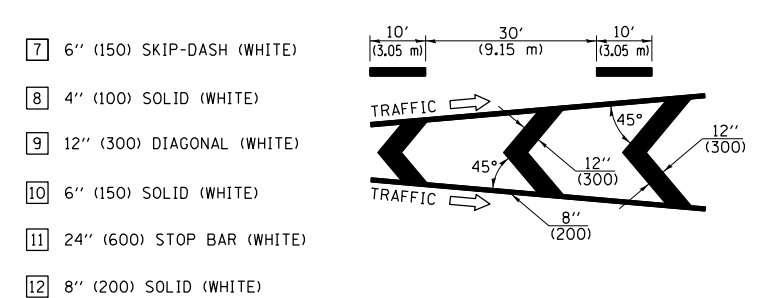
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8413	(O-2),(26-1K)RS	FAYETTE	85	59
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**



**PAVEMENT MARKING LEGEND CONTINUED**



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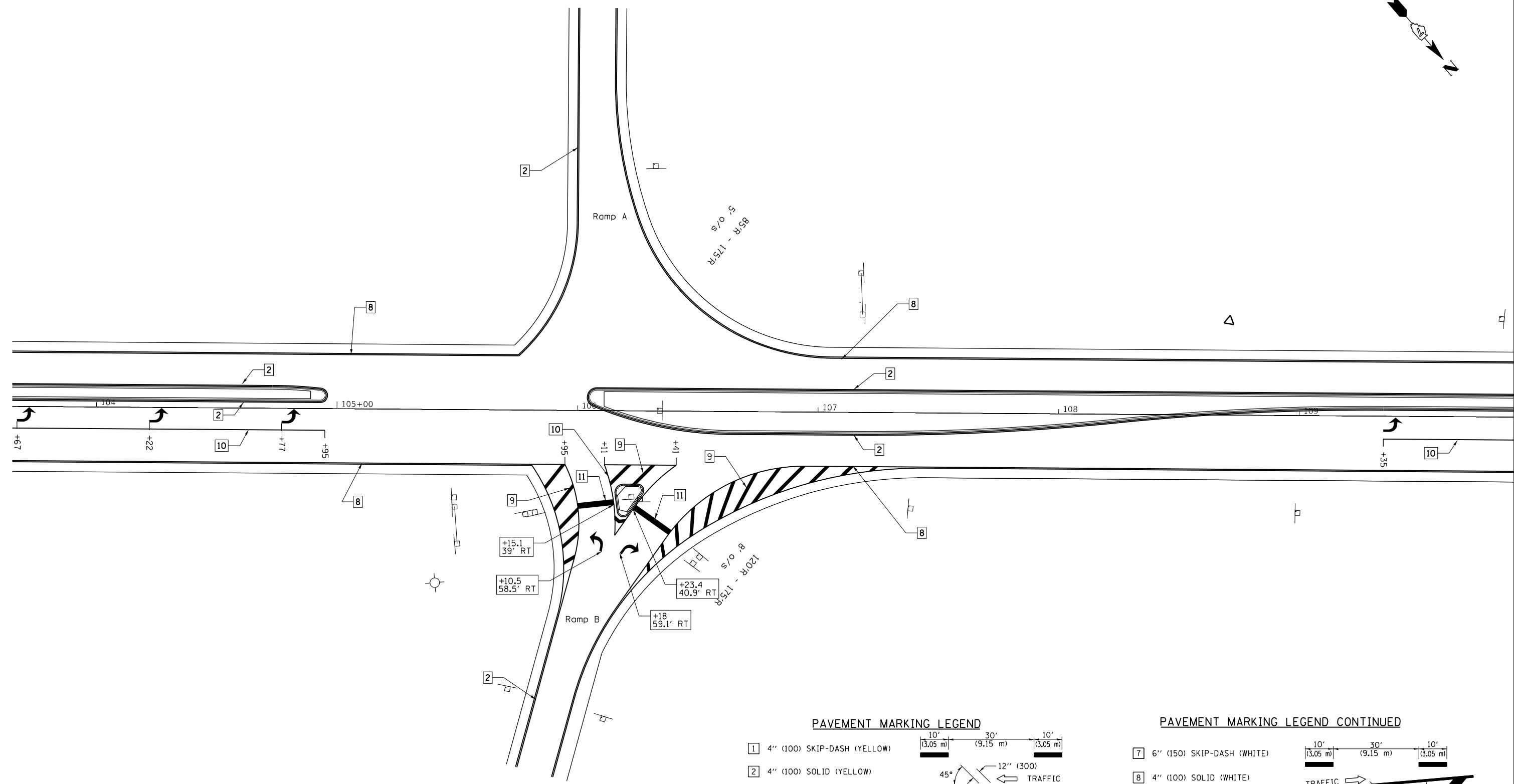
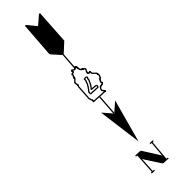
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 40 PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	60
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)

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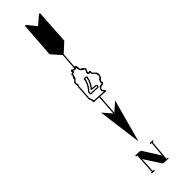
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PLOT DATE = 8/29/2023	DATE -	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 40 PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	61
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

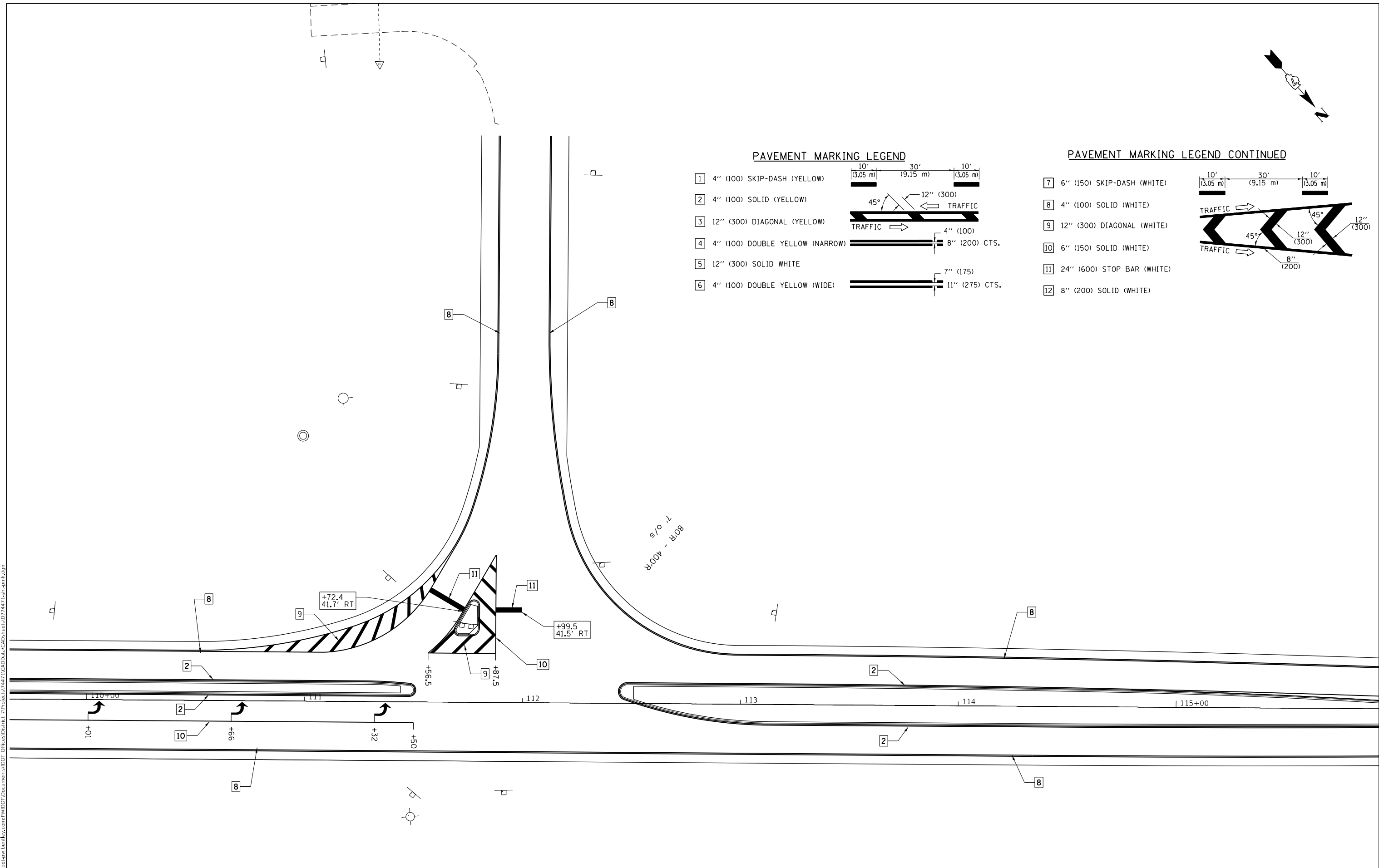


**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)

**PAVEMENT MARKING LEGEND CONTINUED**

- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)



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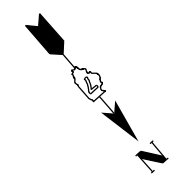
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

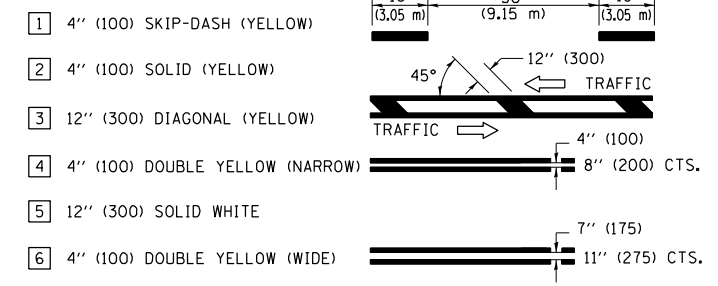
**US 40 PAVEMENT MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

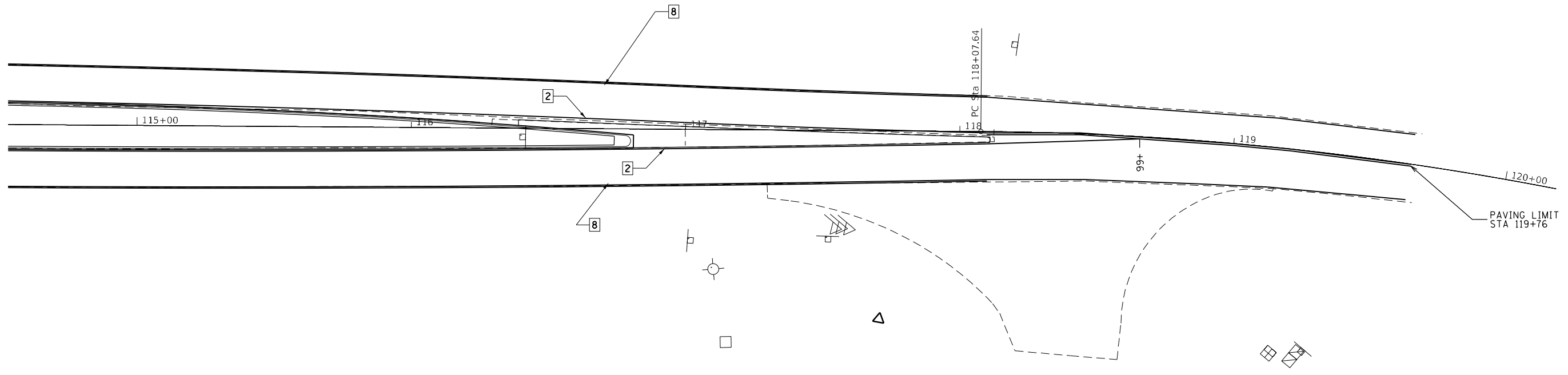
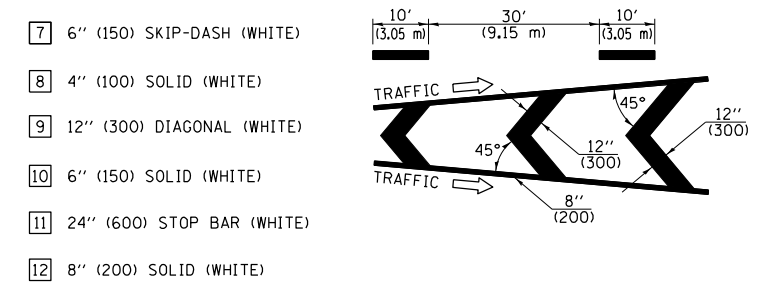
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8413	(0-2),(26-1K)RS	FAYETTE	85	62
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**



**PAVEMENT MARKING LEGEND CONTINUED**



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>US 40 PAVEMENT MARKING DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

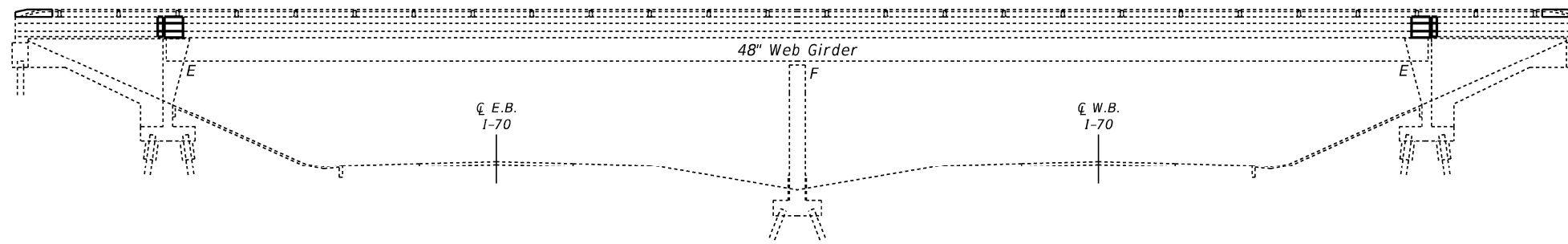
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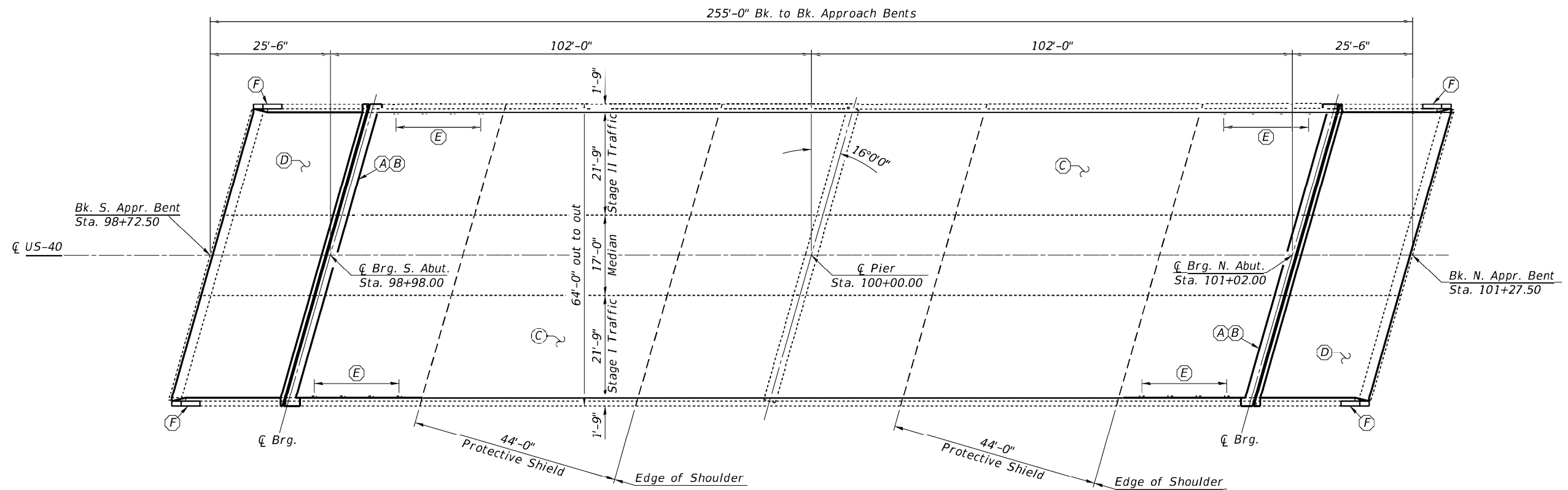
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



EXISTING STRUCTURE: SN 026-0087 carries FAU 8413 (US-40) over FAI 70. The structure was built in 1977 as FAI 70, Section 26-1HB-3. The steel plate girder bridge has two spans and sand filled vaulted abutments. The proposed project consists of replacement of the expansion joints with new strip seals, bearing replacement at abutments with new elastomeric bearings, structural repair of concrete abutments, wingwall and railing modifications, replacement of deck drains, full depth deck patching, scarification & concrete overlay.

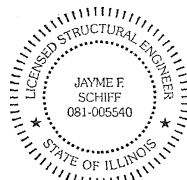


ELEVATION



PLAN

- (A) - Remove Existing Joints and Construct Strip Seal Expansion Joint
- (B) - Remove Existing Abutment Bearings and Install new Elastomeric Bearings
- (C) - Bridge Deck Scarification, 2-1/4", Deck Patching, & Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2-1/4"
- (D) - Bridge Deck Scarification, 2-1/4" & Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2-1/4"
- (E) - Remove and Replace Existing Floor Drains
- (F) - Wingwall and Rail Modification



EXPIRES 11-30-2024

*Jayme F. Schiff*

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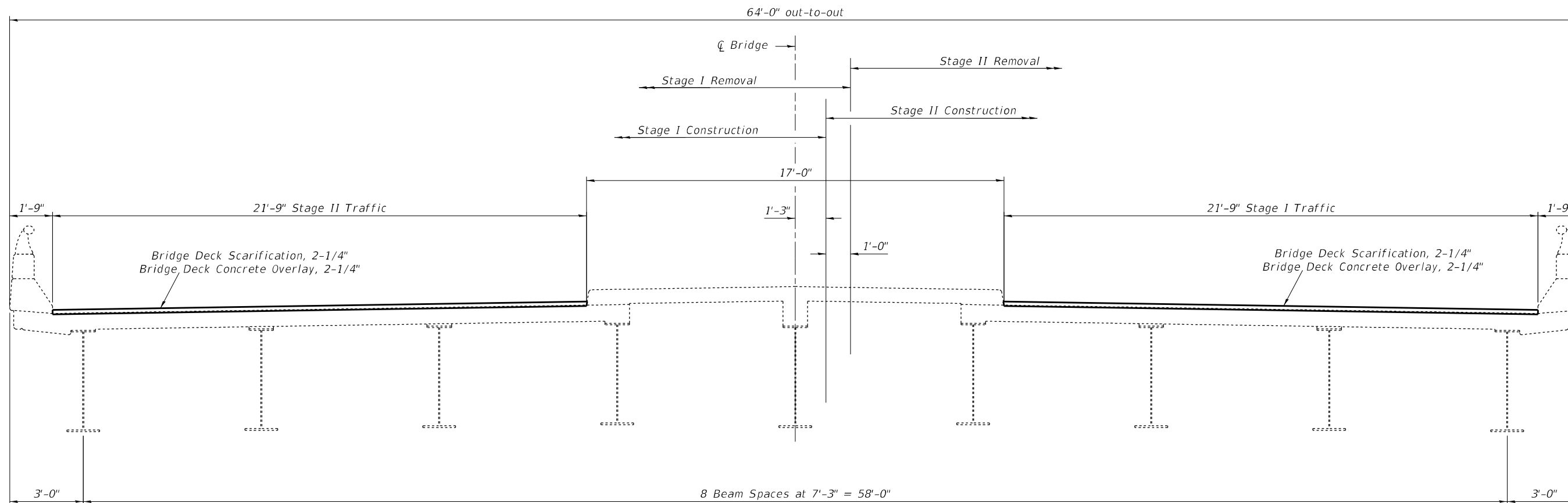
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
S.N. 026-0087

SCALE: SHEET 1 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	65
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



**STAGE CONSTRUCTION DETAIL**  
Looking North

**GENERAL NOTES**

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

Reinforcement Bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced with an approved bar splicer or anchorage system. Cost included with CONCRETE REMOVAL.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 °F.

Removal and reinstallation of the handrail sections and support posts at both abutments will be necessary for construction of the expansion joints and parapet repair. The existing handrail sections and support posts shall be reused. New bolts, shim plates and post support anchor assemblies, as detailed in the plans, are to be provided and installed for the replacement of the handrail sections. This work and all materials shall be included in the contract unit price for CONCRETE SUPERSTRUCTURE.

Protective Coat to be applied to areas of new concrete only, including bridge deck concrete overlay.

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

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

Full depth deck slab repairs performed in the exterior bays of the bridge deck (between the parapet walls and the first interior beams) shall be limited to individual lengths no greater than 10'. In these portions of the deck, repair areas longer than 10' shall be divided into segments not greater than 10' in length, and the segments shall be poured in alternating sequence. Subsequent segments repaired in sequence shall not be removed until 72 hours shall have elapsed from the end of the previous, adjacent pour, and the adjacent pour shall have attained a minimum modulus of rupture of 650psi.

It is anticipated that a full depth deck slab repair will be necessary at each existing floor drains location. Removal and disposal of the existing floor drains shall be included in the contract unit price for Deck Slab Repair (Full Depth, Type I).

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	15.1
Concrete Superstructure	Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated	Pound	2,070
Bar Splicers	Each	22
Bridge Deck Grooving	Sq. Yd.	1,090
Bridge Deck Scarification, 2-1/4"	Sq. Yd.	1,200
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2-1/4"	Sq. Yd.	1,200
Preformed Joint Strip Seal	Foot	130
Protective Coat	Sq. Yd.	1,365
Furnishing & Erecting Structural Steel	Pound	3,250
Jack & Remove Existing Bearings	Each	18
Elastomeric Bearing Assembly, Type I	Each	18
Anchor Bolts, 1"Ø	Each	36
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	12.0
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	7.0
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	1,302
Protective Shield	Sq. Yd.	655
Floor Drains	Each	12

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	DATE - April 2021	REVISED -

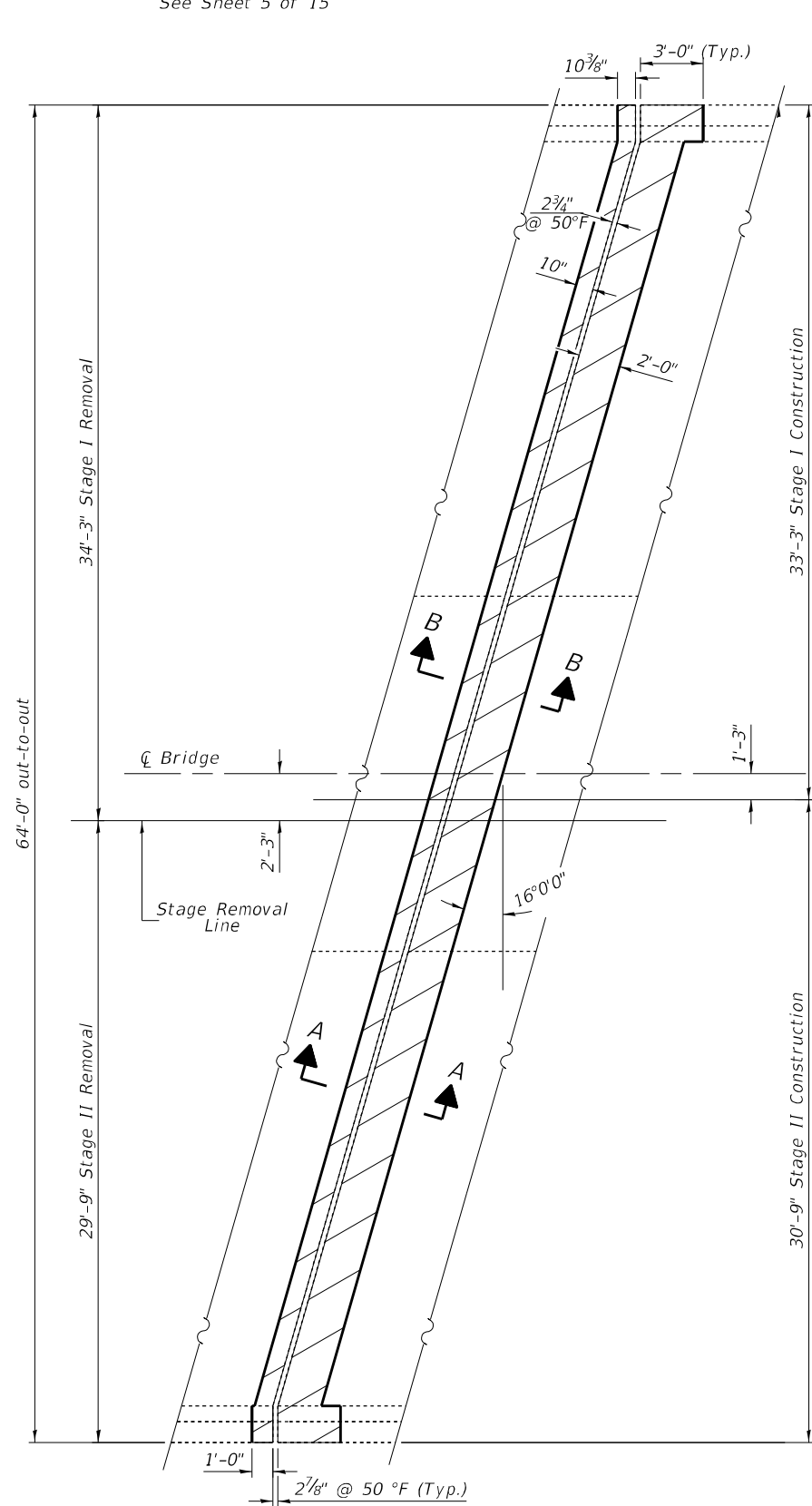
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION, GENERAL NOTES, &  
BILL OF MATERIALS S.N. 026-0087**

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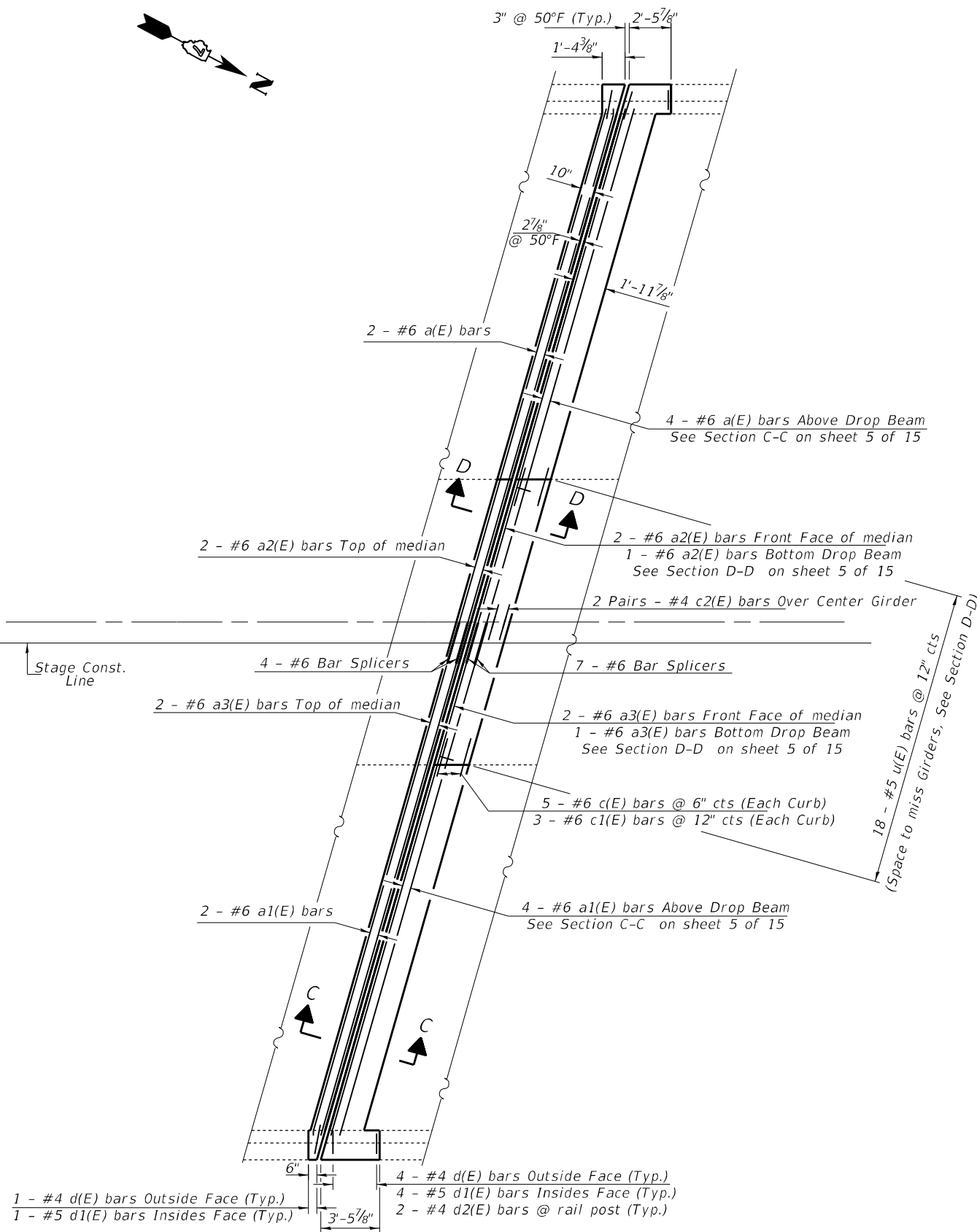
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8413	(0-2),(26-1K)RS	FAYETTE	85	66
CONTRACT NO. 74471				
ILLINOIS		FED. AID PROJECT		

For Sections A-A, B-B, C-C, & D-D,  
See Sheet 5 of 15



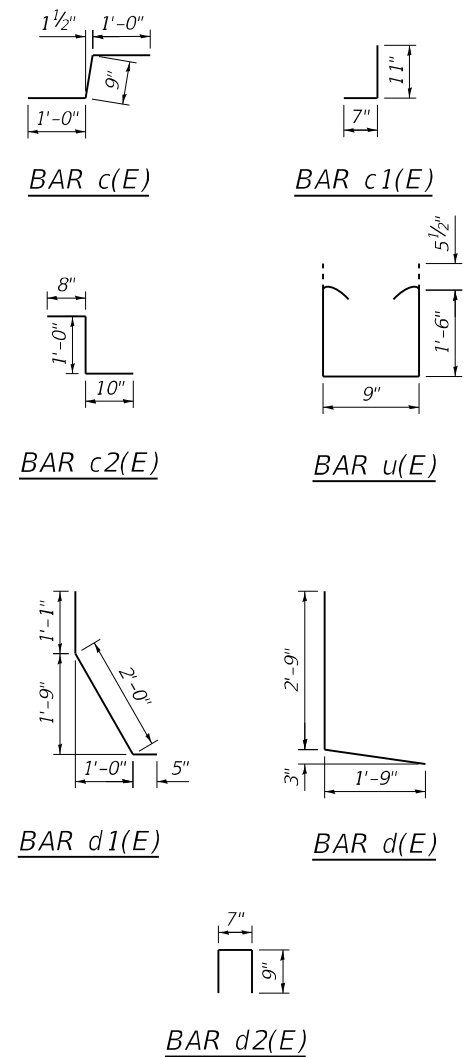
**REMOVAL PLAN**

South Abutment Shown  
North Abutment Similar by Rotation



**REINFORCEMENT PLAN**

South Abutment Shown  
North Abutment Similar by Rotation



**BILL OF MATERIAL - TWO ABUTMENTS**

Bar	No.	Size	Length	Shape
a(E)	12	#6	33'-5"	—
a1(E)	12	#6	30'-11"	—
a2(E)	10	#6	9'-8"	—
a3(E)	10	#6	7'-1"	—
c(E)	20	#5	2'-9"	J
c1(E)	12	#4	1'-6"	J
c2(E)	8	#4	2'-6"	J
d(E)	20	#4	4'-6"	J
d1(E)	20	#5	3'-6"	J
d2(E)	8	#4	2'-1"	J
u(E)	36	#5	4'-8"	J
ITEM		UNIT	QUANTITY	
Concrete Removal		Cu. Yd.	15.1	
Concrete Superstructure		Cu. Yd.	15.1	
Reinforcement Bars, Epoxy Coated		Pound	1,820	
Bar Splicers		Each	22	

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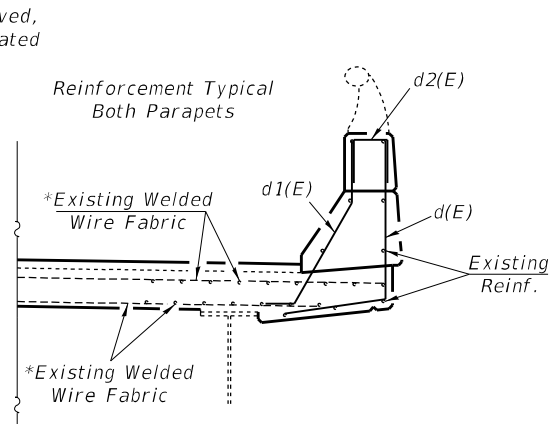
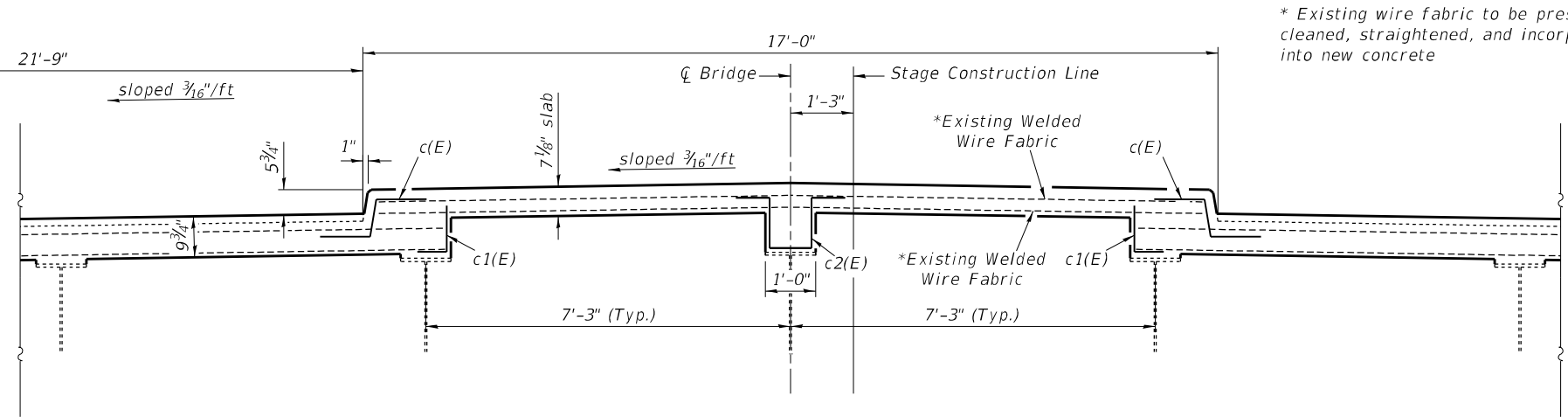
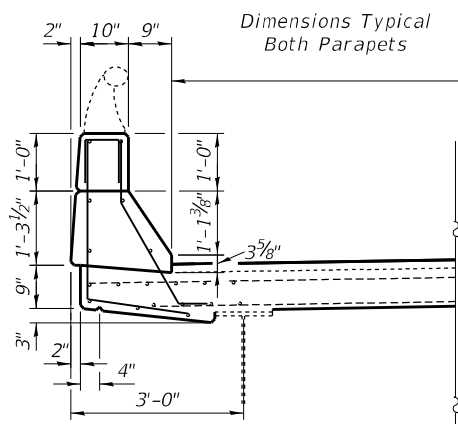
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

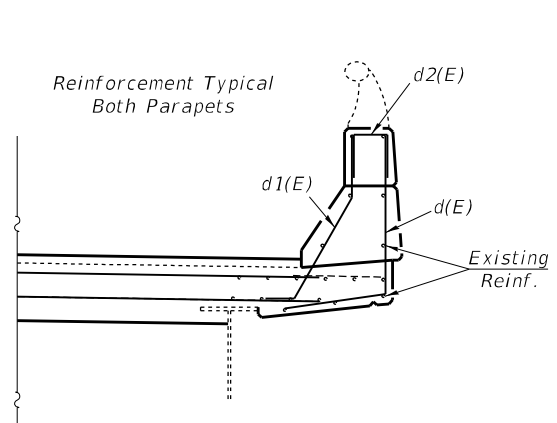
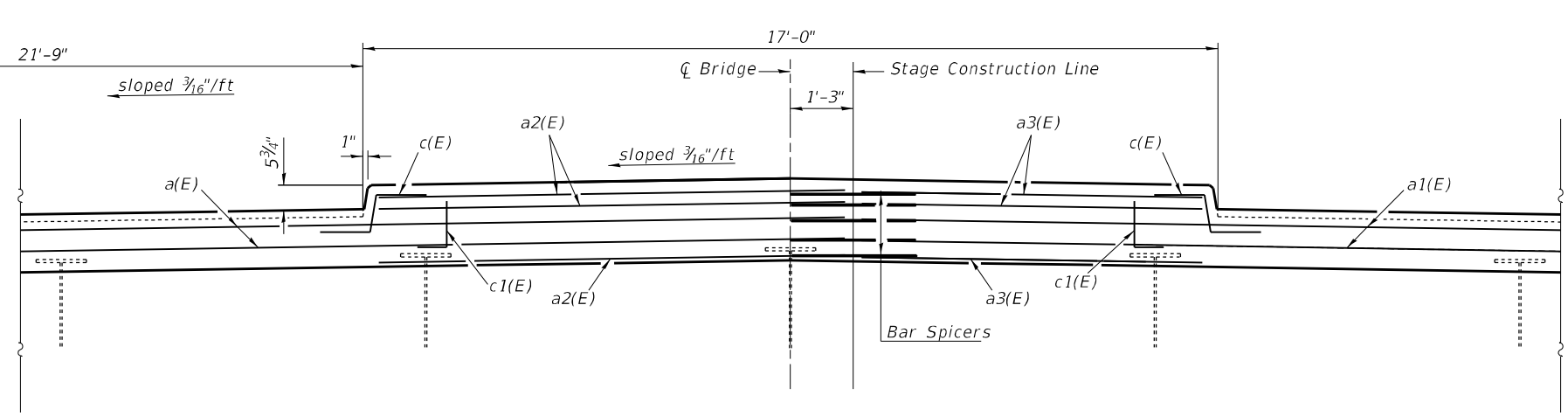
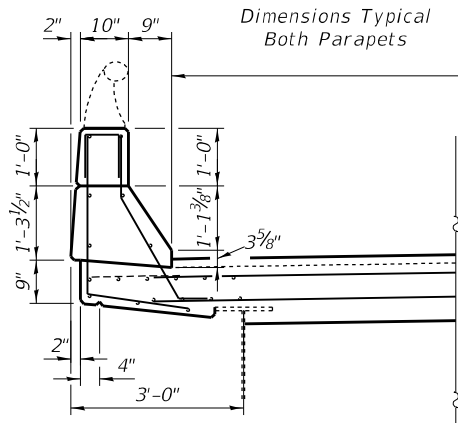
**EXPANSION JOINT REPLACEMENT DETAILS  
S.N. 026-0087**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

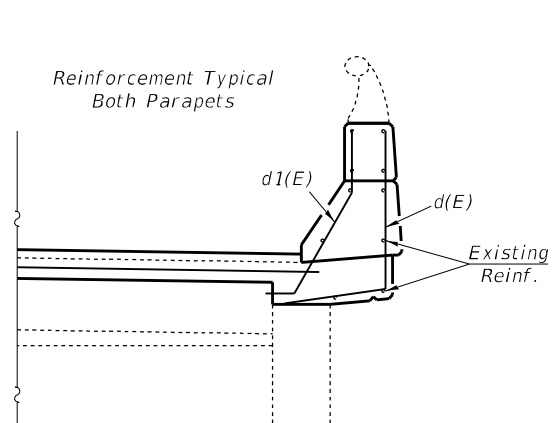
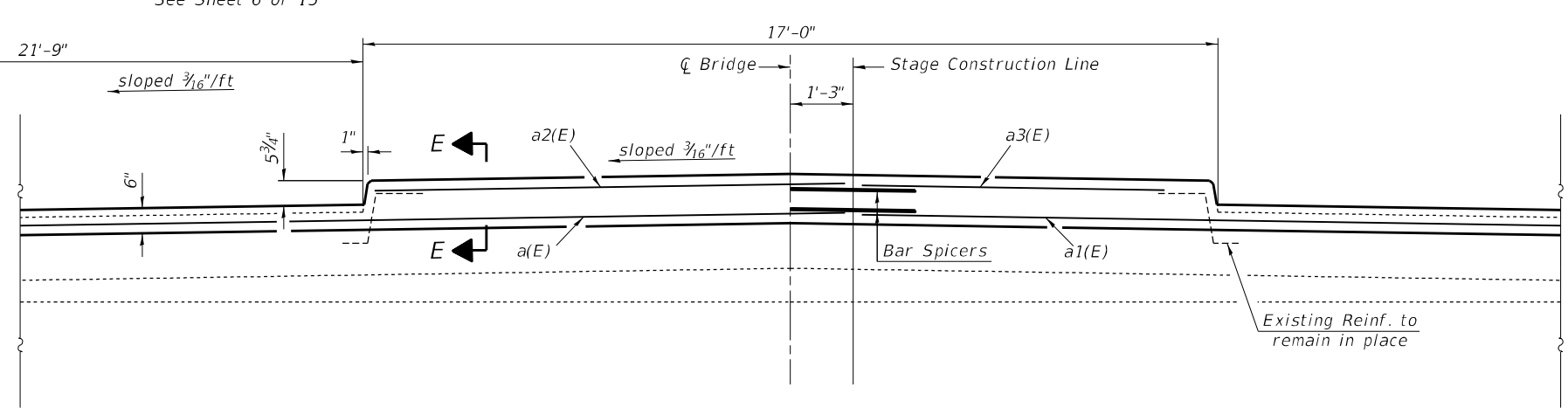
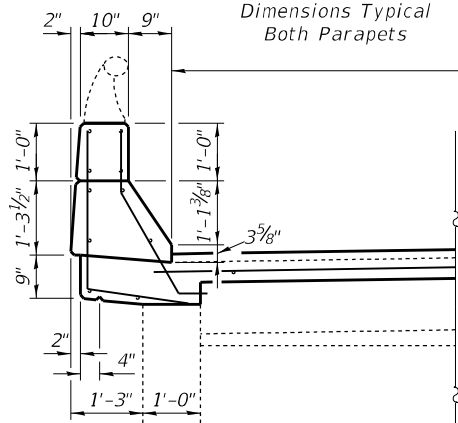


SECTION THRU END OF DECK SLAB  
Looking North



SECTION THRU END OF DECK AT CROSS FRAME  
Looking North

For Section E-E  
See Sheet 6 of 15



SECTION THRU APPROACH SLAB AT JOINT  
Looking North

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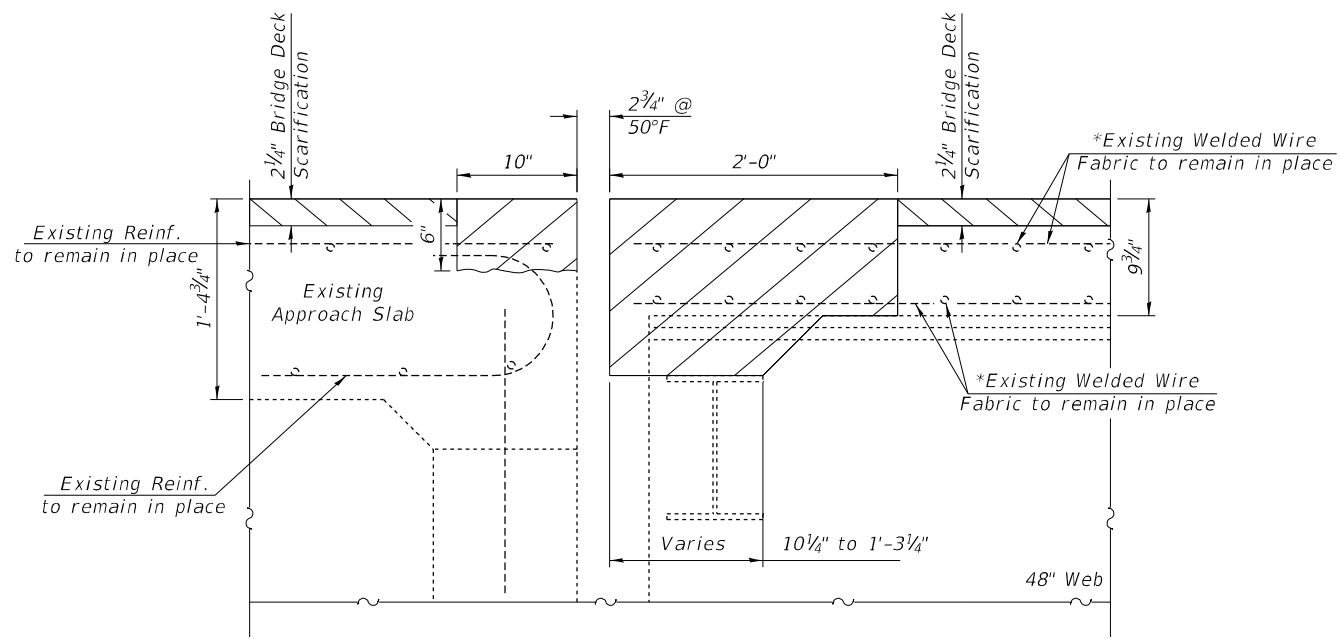
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DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS  
S.N. 026-0087

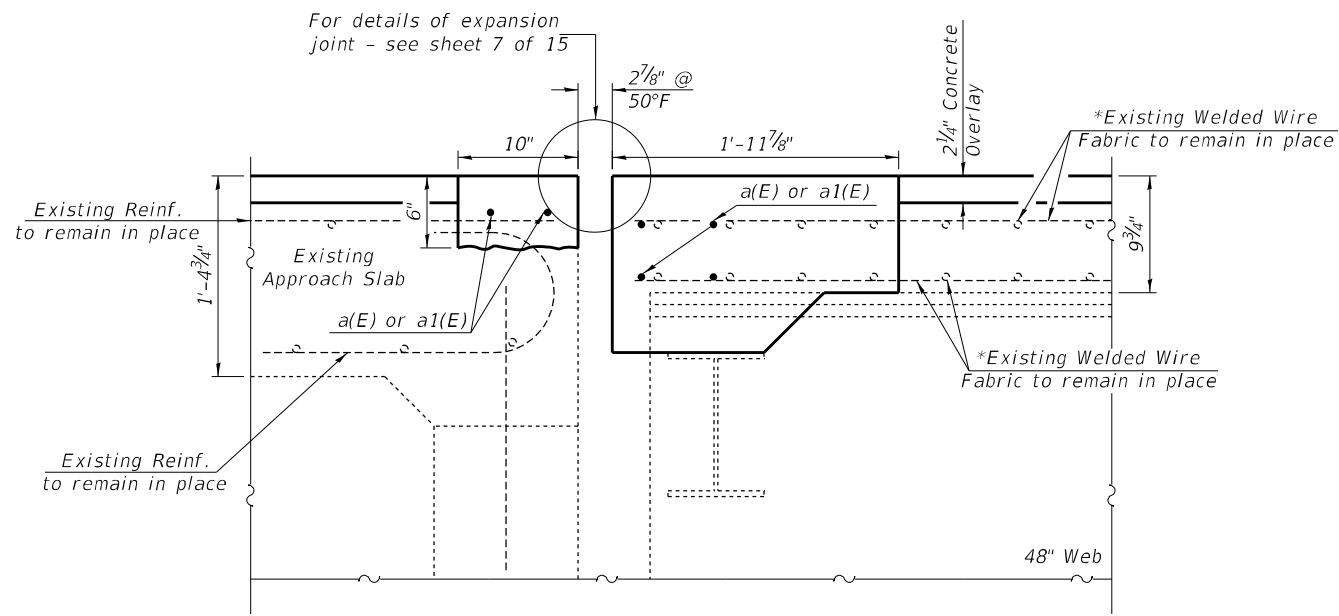
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

Note: Hatched areas indicate removal

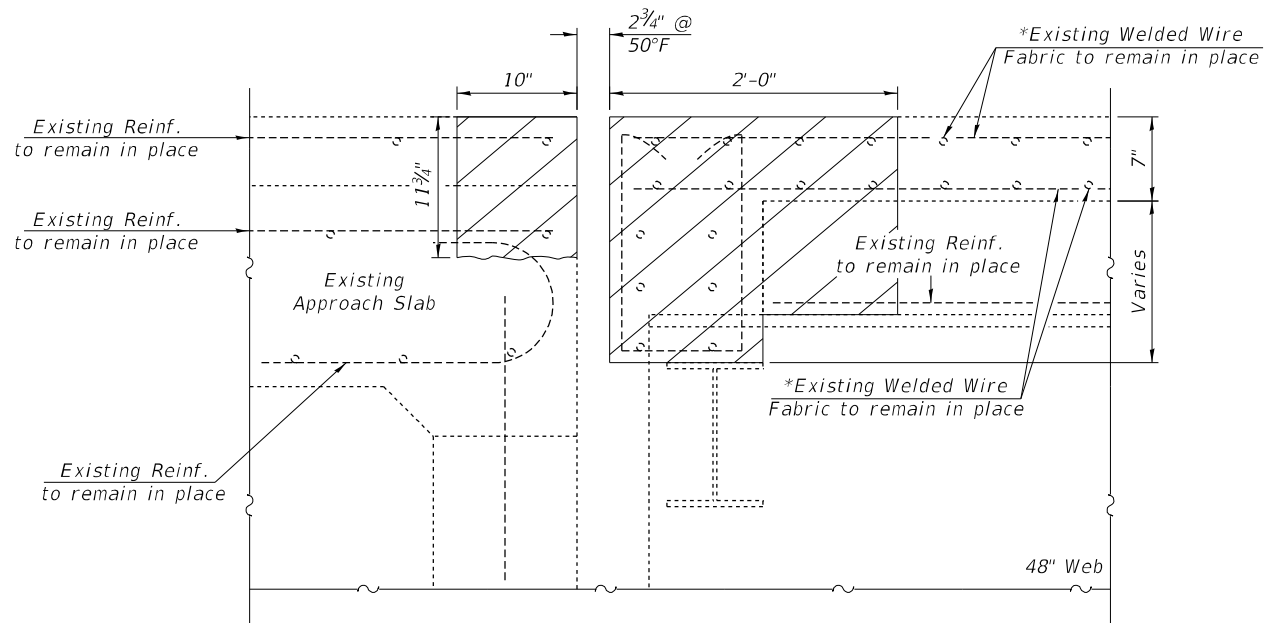


SECTION A-A

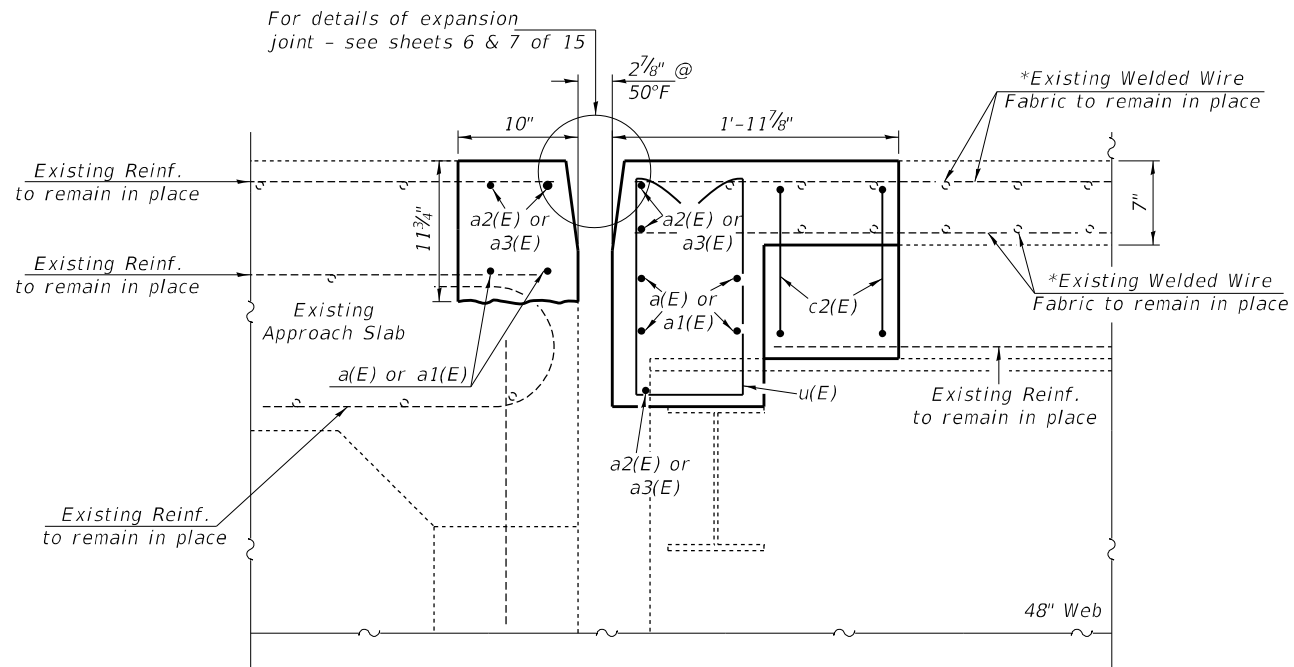


SECTION C-C

\* Existing wire fabric to be preserved, cleaned, straightened, and incorporated into new concrete



SECTION B-B



SECTION D-D

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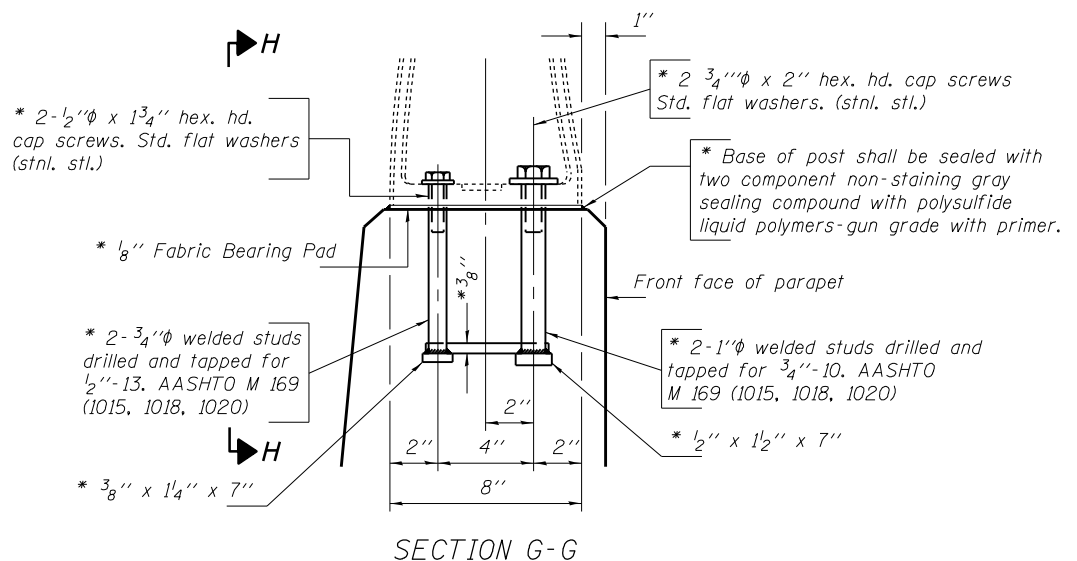
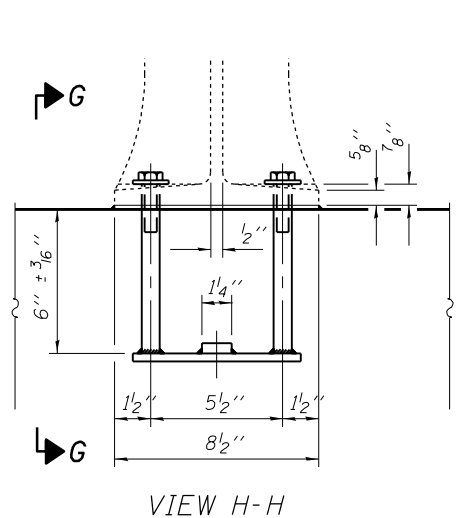
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT REPLACEMENT DETAILS  
S.N. 026-0087**

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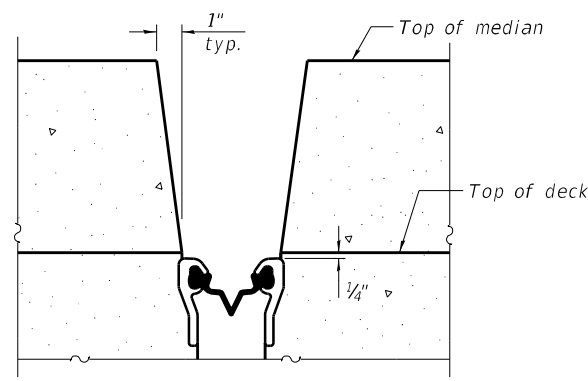
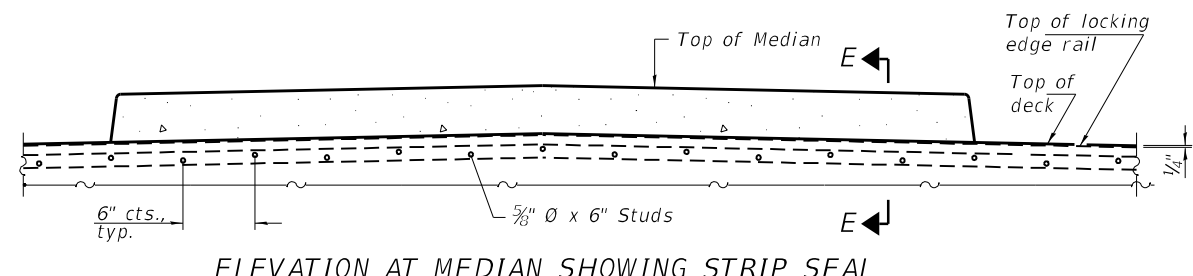
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CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



\* New Rail Post anchorage devices will be required at each location where posts are connected to new construction. Cost shall be included with Concrete Superstructure. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting stainless steel anchor rods of the same diameter and grade as the specified cap screws according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**RAIL POST DETAILS**  
(4 Locations Required)

Note:  
For Preformed Joint Strip Seal & Locking Edge Rail details see sheet 7 of 15.



**SECTION E-E**  
Dimensions at Rt. Z's

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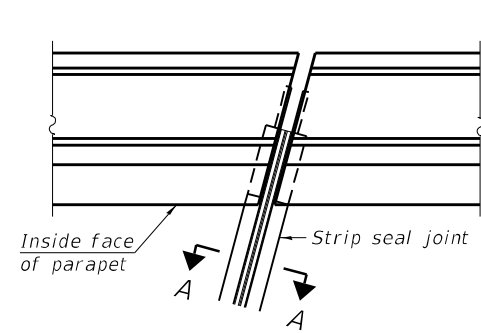
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN & RAIL POST DETAILS  
S.N. 026-0087**

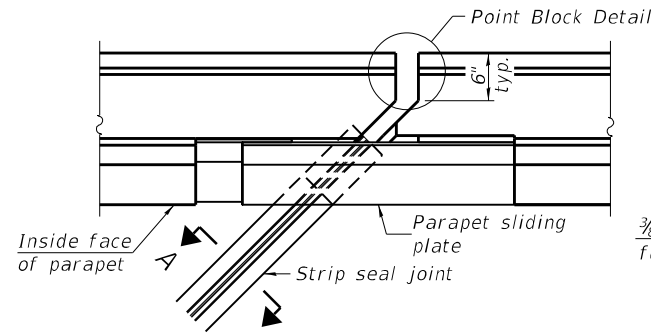
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CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

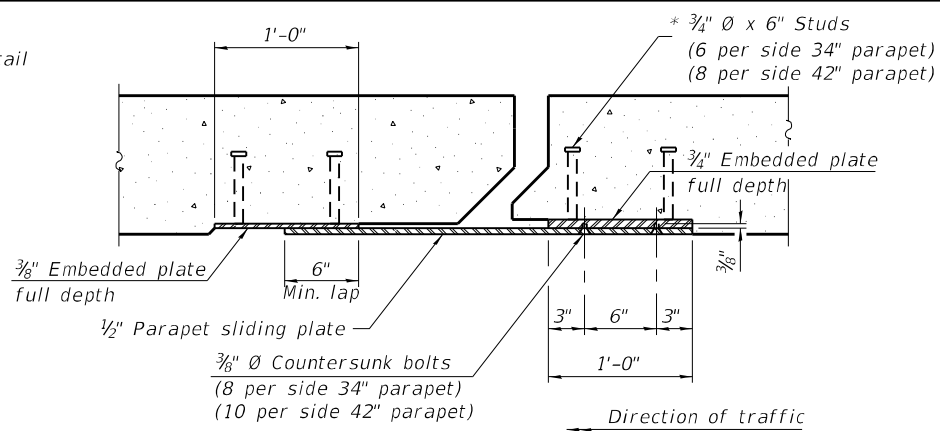


FOR SKEWS ≤ 30°

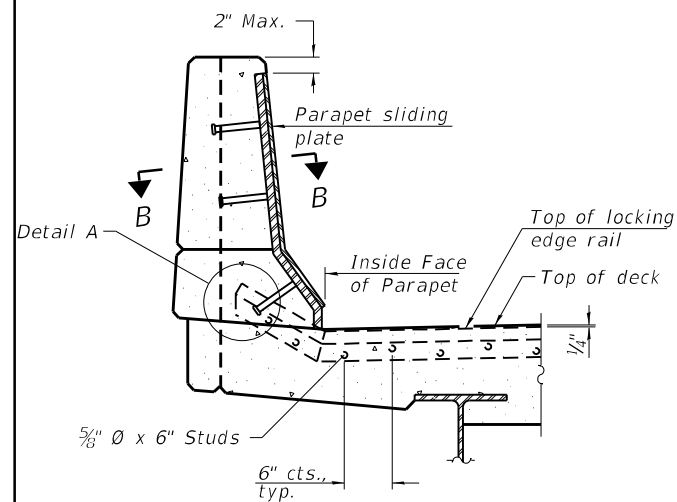
PLAN AT PARAPET



FOR SKEWS > 30°

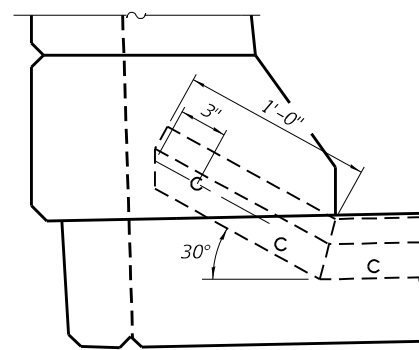


SECTION B-B

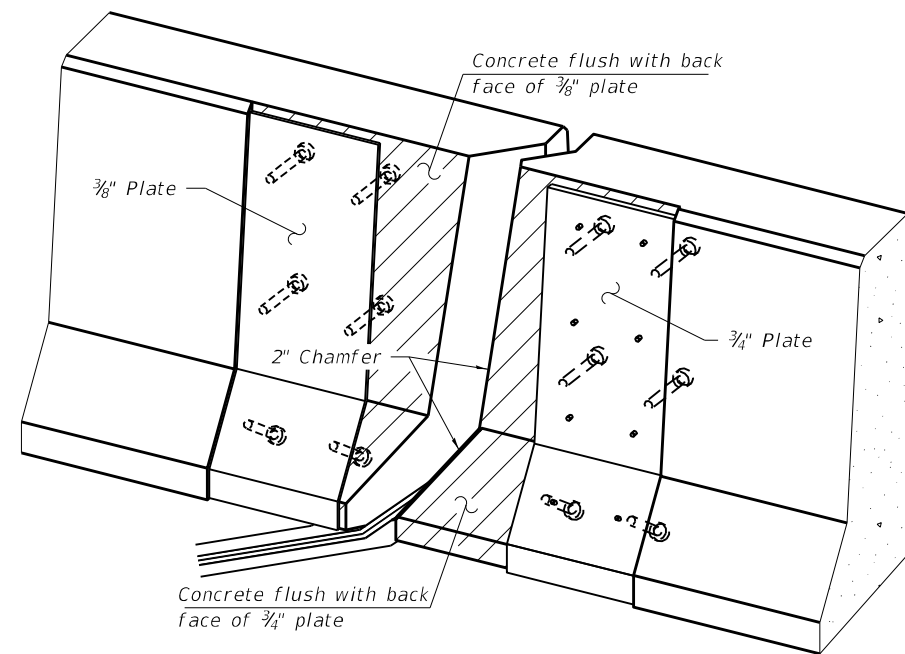


ELEVATION AT PARAPET

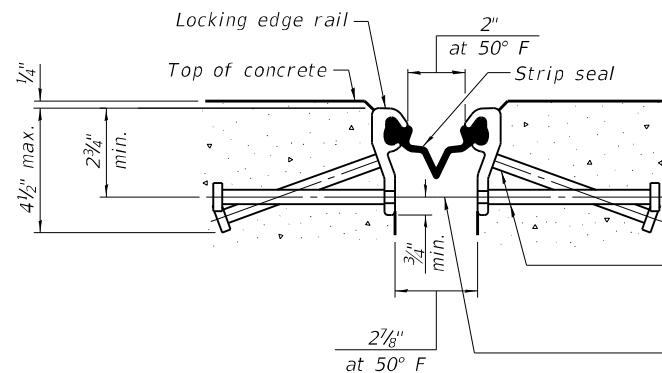
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW  
(Showing embedded plates only)



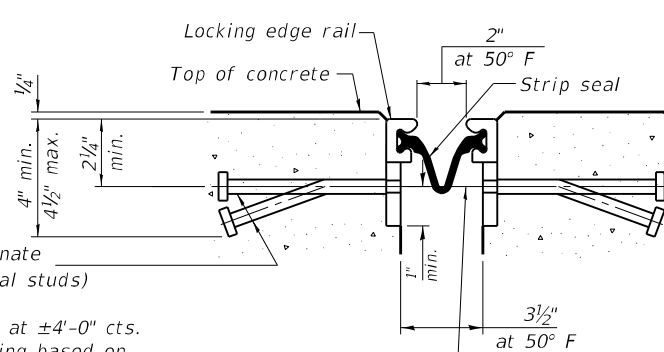
SHOWING ROLLED RAIL JOINT

\* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

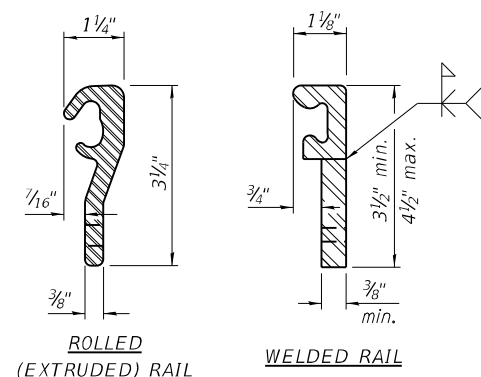
3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

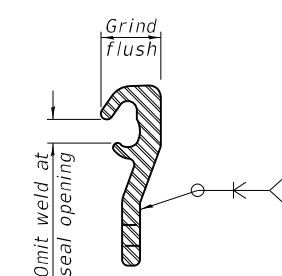


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	130

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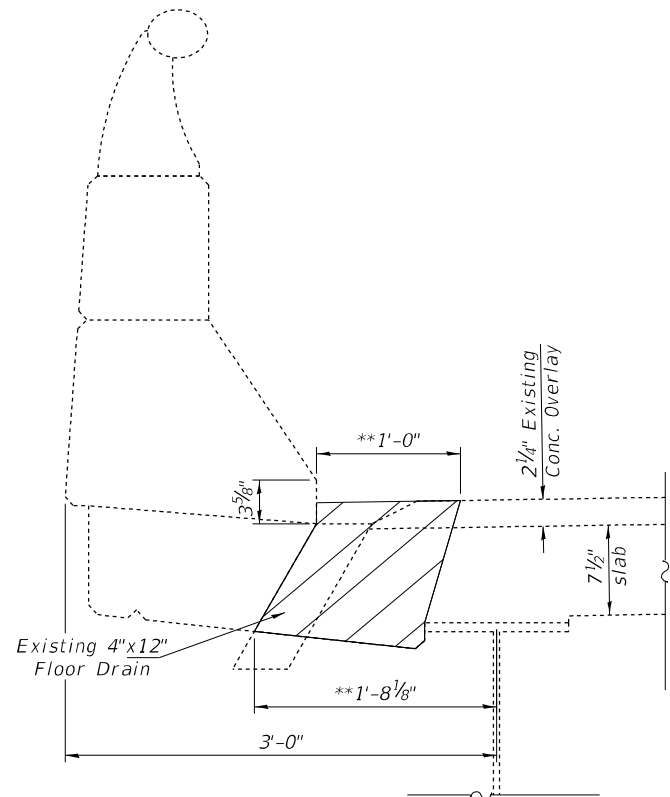
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	DATE - April 2021	REVISED -

STATE OF ILLINOIS  
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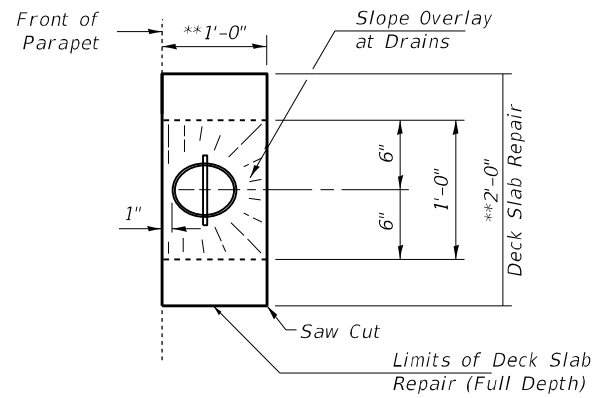
PREFORMED JOINT STRIP SEAL  
S.N. 026-0087

SCALE: SHEET 7 OF 15 SHEETS STA. TO STA.

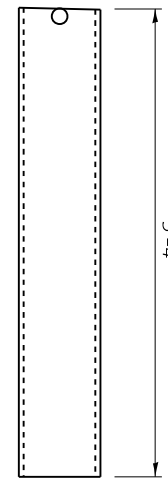
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8413	(0-2),(26-1K)RS	FAYETTE	85	71
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	



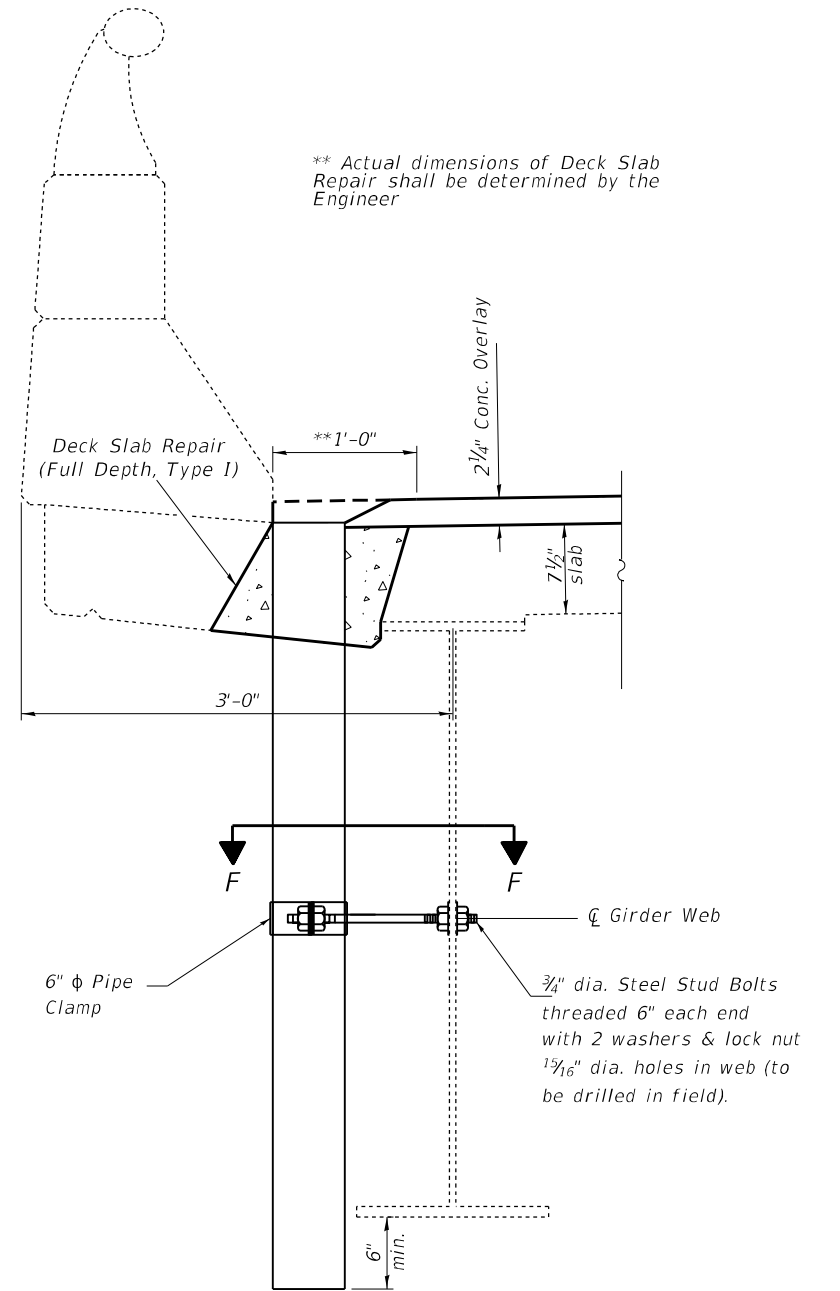
**SECTION THRU EXISTING FLOOR DRAIN**



**TOP PLAN DECK REPAIR AT PROPOSED DRAINS**



**DRAIN DETAIL**  
12 Required



**DRAIN REPLACEMENT DETAIL**

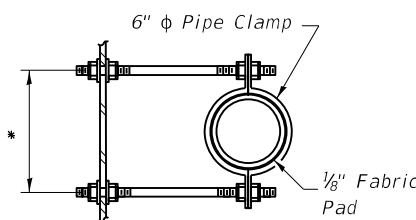
**NOTES**

Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

Galvanize clamping device according to AASHTO M232. Cost of clamping device, bolts and galvanizing is included with Floor Drains.

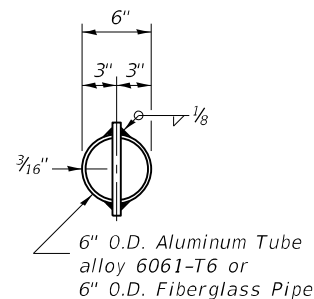
Concrete removal and replacement quantities and locations for drains are included in Deck Slab Repair (Full Depth, Type I) as shown on "Bridge Deck Patching" see sheets 10 & 11 of 15

The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coatings' Spec. SSPC-SP1 prior to painting.

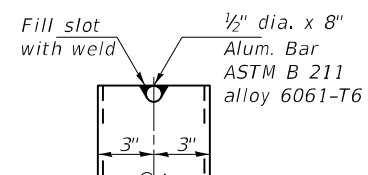


\* Dimension as required by Pipe Clamp

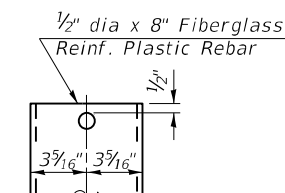
**SECTION F-F**



**TOP PLAN**



**ALUMINUM TUBE**



**FIBERGLASS PIPE**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK DRAIN REPLACEMENT DETAILS  
S.N. 026-0087**

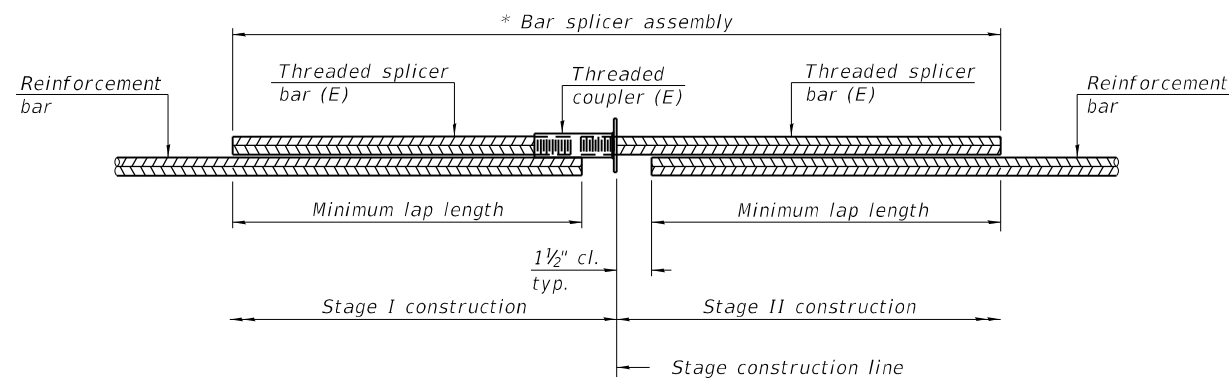
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PLOT SCALE = 100,0000' / in.	DRAWN - T. Walk	REVISED -
PLOT DATE = 8/29/2023	CHECKED - D. Macklin	REVISED -
	DATE - April 2021	REVISED -

SCALE: SHEET 8 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	72
			CONTRACT NO. 74471	
ILLINOIS FED. AID PROJECT				

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PROJECT: 74471\CD\Drawings\DOT Office\Drawings\74471-026-0087 Bridge Repair Plans



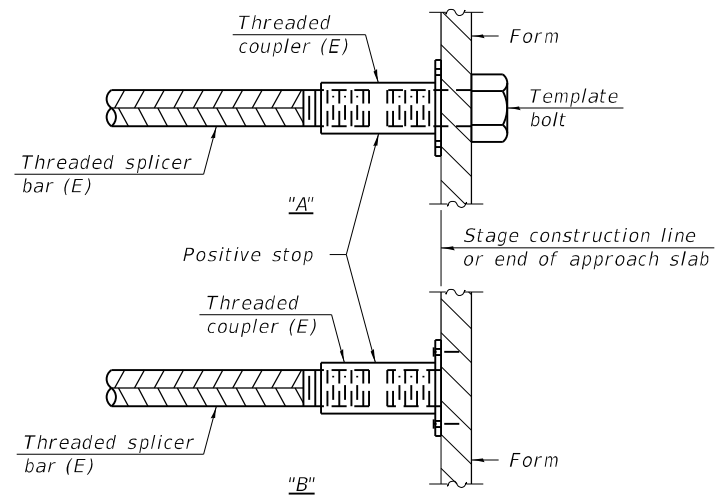


**STANDARD BAR SPLICER ASSEMBLY PLAN**  
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Deck	#6	14	4'-0"
Approach	#6	8	4'-0"

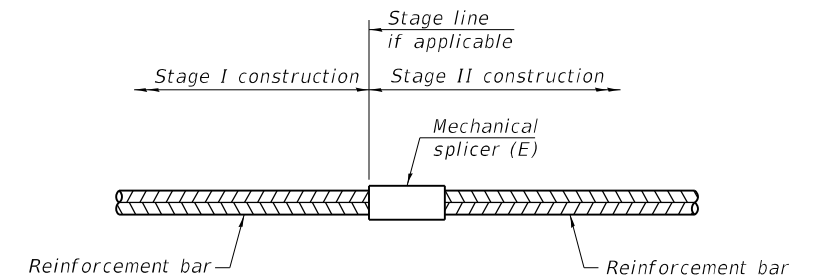


**INSTALLATION AND SETTING METHODS**

"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.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required

**Notes:**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020

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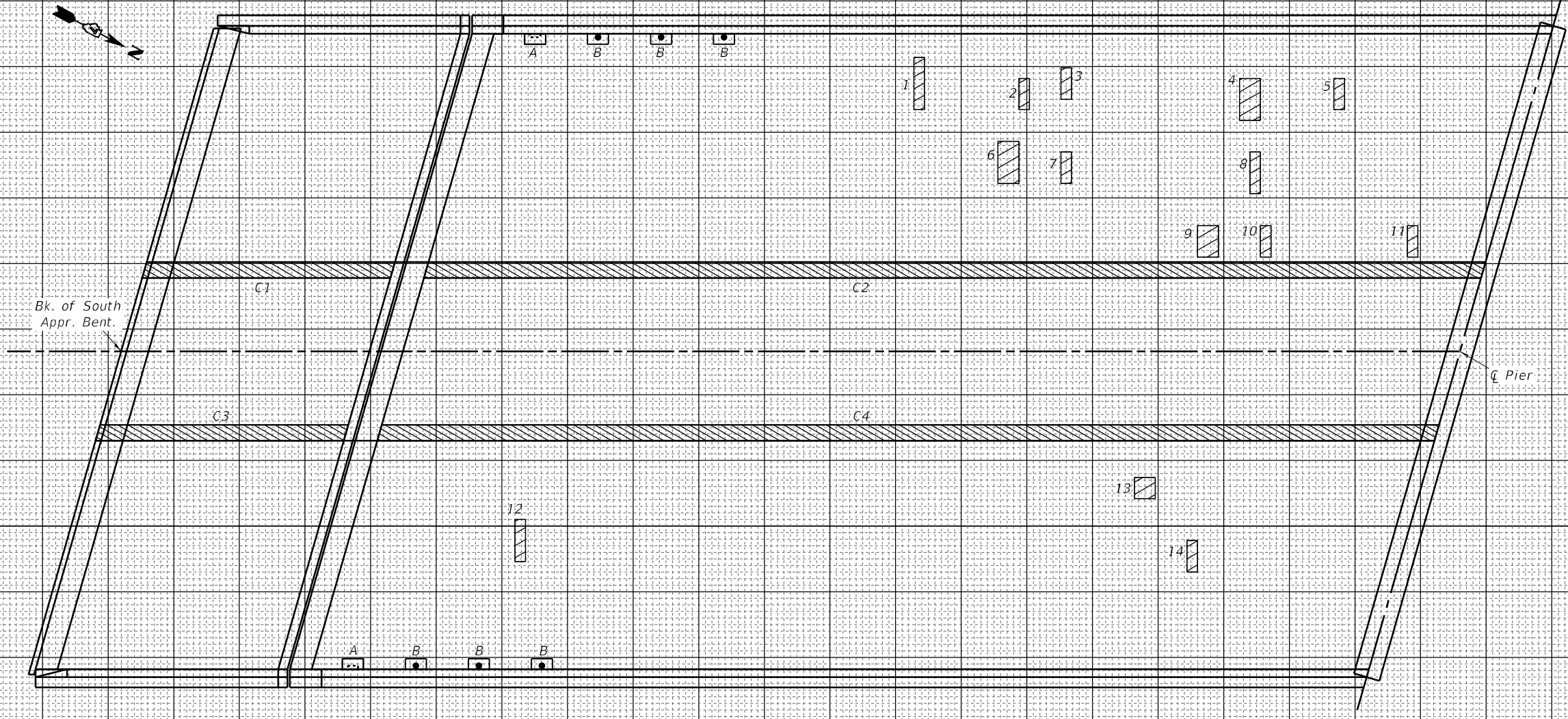
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
**S.N. 026-0087**

SCALE: SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	73
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	

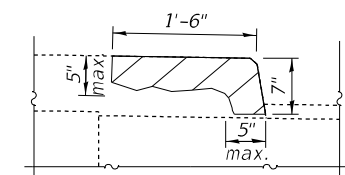
026-0087 South Span



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
1	1.0	5.0	0.6	
2	1.0	3.0	0.3	
3	1.0	3.0	0.3	
4	2.0	4.0		0.9
5	1.0	3.0	0.3	
6	2.0	4.0		0.9
7	1.0	3.0	0.3	
8	1.0	4.0	0.4	
9	2.0	3.0		0.7
10	1.0	3.0	0.3	
11	1.0	3.0	0.3	
12	1.0	4.0	0.4	
13	2.0	2.0	0.4	
14	1.0	3.0	0.3	

PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
A - Remove Drain, 2 ea			0.4	
B- Replace Drain, 6 ea			1.3	
TOTALS			6.0	2.4

PATCH	SIZE			STRUC. REPAIR OF CONCRETE (DEPTH ≤ 5")
	LENGTH	WIDTH	HEIGHT	
C1	23.7	1.5	0.58	49.4
C2	101.7	1.5	0.58	211.9
C3	23.7	1.5	0.58	49.4
C4	101.7	1.5	0.58	211.9
TOTAL				523

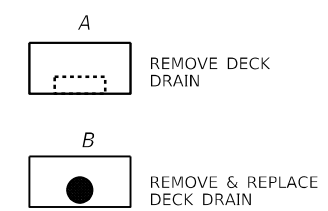


Curb Repair Detail

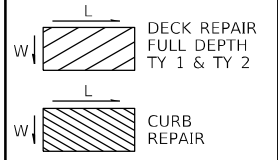
ESTIMATED PAY QUANTITIES

DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 6.0 SQ YD  
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 3.0 SQ YD  
 STRUC. REPAIR OF CONCRETE (DEPTH ≤ 5") = 523 SQ FT  
 FLOOR DRAINS = 6 EACH

A & B = Deck Slab Repair (Full Depth, Type I)  
 2ft<sup>2</sup> = .22yd<sup>2</sup> Each



THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 3-22-2021  
 SURVEY BY: DPM & TMW  
 METHOD OF SURVEY: VISUAL

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PLOT SCALE = 100,000' / in.	DRAWN - T. Walk	REVISED -
PLOT DATE = 8/30/2023	CHECKED - D. Macklin	REVISED -
	DATE - April 2021	REVISED -

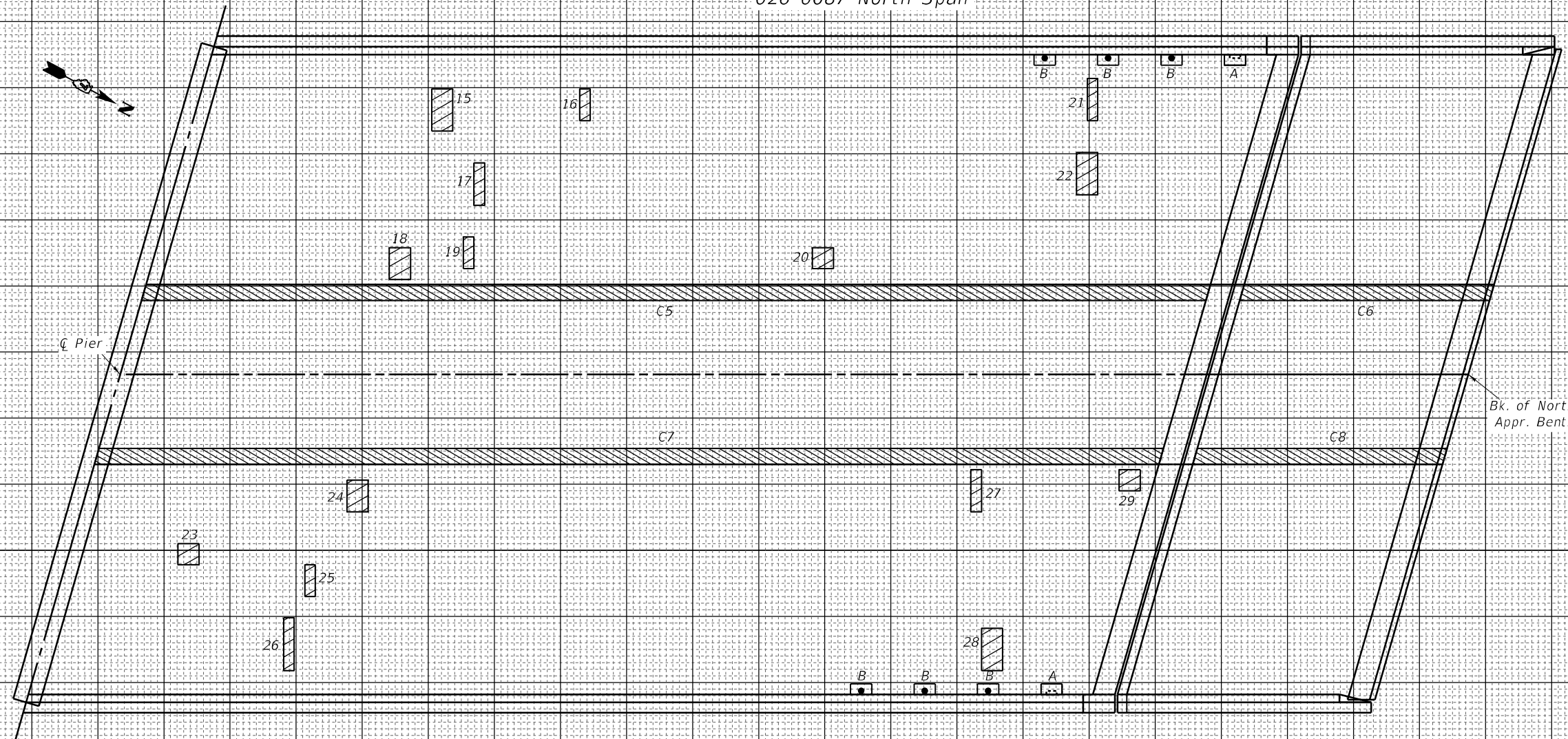
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING, SOUTH SPAN  
 SN. 026-0087

SCALE: SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

026-0087 North Span

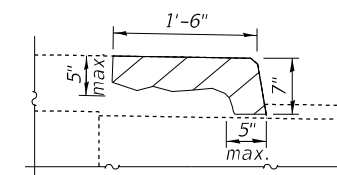


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PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
15	2.0	4.0		0.9
16	1.0	3.0	0.4	
17	1.0	4.0	0.4	
18	2.0	3.0		0.7
19	1.0	3.0	0.3	
20	2.0	2.0	0.4	
21	1.0	4.0	0.4	
22	2.0	4.0		0.9
23	2.0	2.0	0.4	
24	2.0	3.0		0.7
25	1.0	3.0	0.3	
26	1.0	5.0	0.6	
27	1.0	4.0	0.4	
28	2.0	4.0		0.9
29	2.0	2.0	0.4	

PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
A - Remove Drain, 2 ea			0.4	
B- Replace Drain, 6 ea			1.3	
TOTALS			6.0	4.0

PATCH NO.	SIZE			STRUC. REPAIR OF CONCRETE (DEPTH ≤ 5") SQ FT
	LENGTH	WIDTH	HEIGHT	
C5	101.7	1.5	0.58	211.9
C6	23.7	1.5	0.58	49.4
C7	101.7	1.5	0.58	211.9
C8	23.7	1.5	0.58	49.4
TOTAL				523

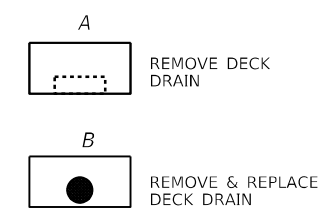


Curb Repair Detail

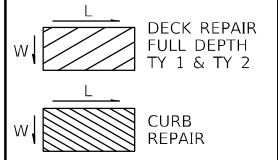
ESTIMATED PAY QUANTITIES

DECK SLAB REPAIR (FULL DEPTH, TYPE I) = 6.0 SQ YD  
 DECK SLAB REPAIR (FULL DEPTH, TYPE II) = 4.0 SQ YD  
 STRUC. REPAIR OF CONCRETE (DEPTH ≤ 5") = 523 SQ FT  
 FLOOR DRAINS = 6 EACH

A & B = Deck Slab Repair (Full Depth, Type I)  
 2ft<sup>2</sup> = .22yd<sup>2</sup> Each



THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



DATE OF SURVEY: 3-22-2021  
 SURVEY BY: DPM & TMW  
 METHOD OF SURVEY: VISUAL

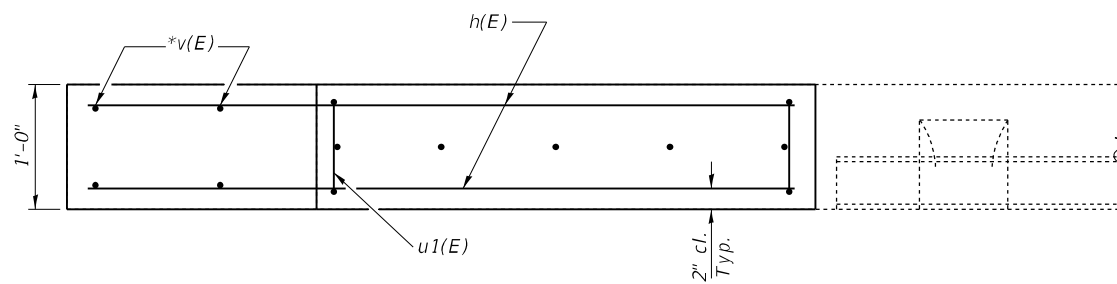
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	DATE - April 2021	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

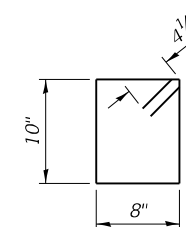
BRIDGE DECK PATCHING, NORTH SPAN  
 SN. 026-0087

SCALE: SHEET 11 OF 15 SHEETS STA. TO STA.

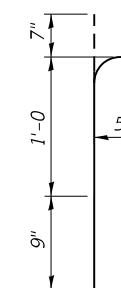
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8413	(0-2),(26-1K)RS	FAYETTE	85	75
CONTRACT NO. 74471			ILLINOIS FED. AID PROJECT	



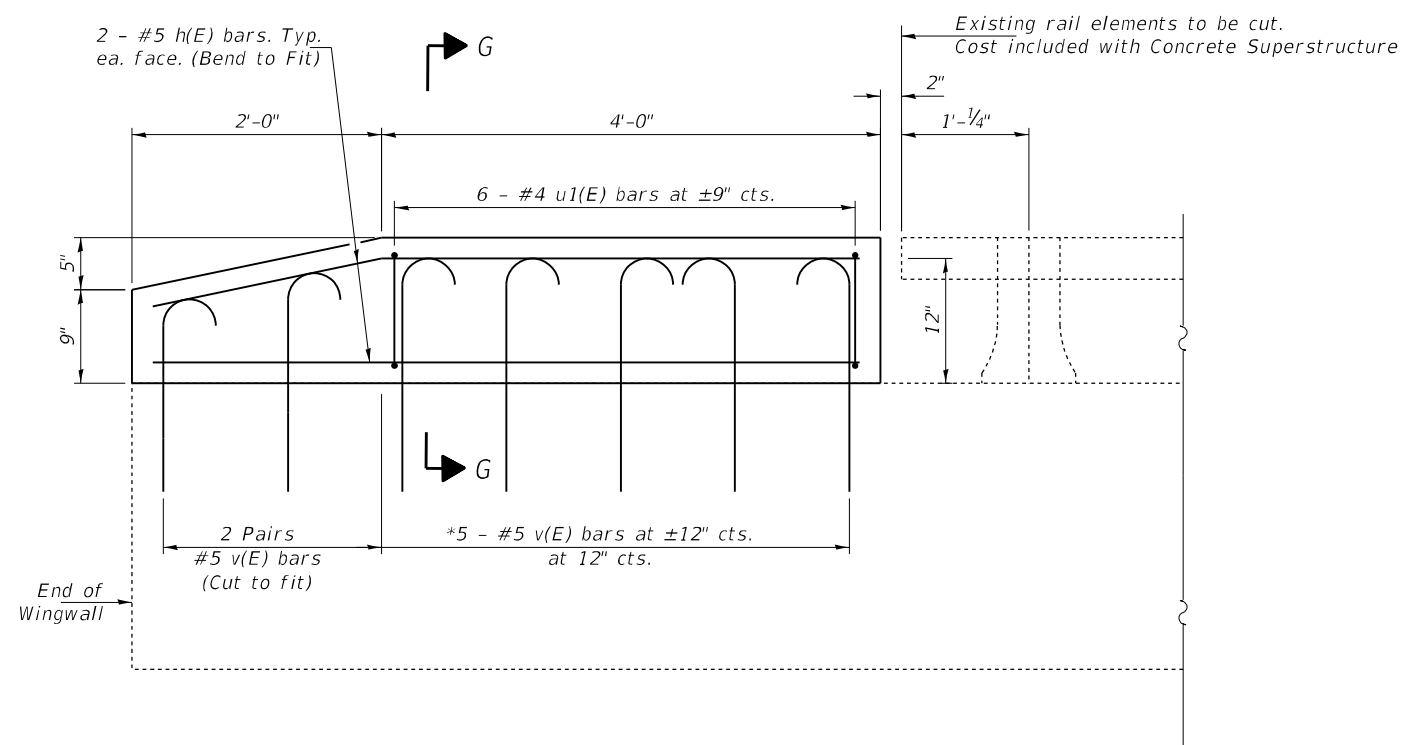
PLAN



BAR u1(E)

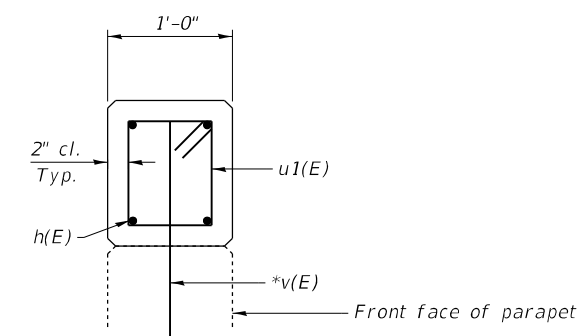


BAR v(E)



PROPOSED ELEVATION

\* Epoxy grout v(E) bars in 9" min. hole according to Article 584 of the Standard Specifications.



SECTION G-G

BILL OF MATERIAL -  
FOUR WINGWALLS

Bar	No.	Size	Length	Shape
h(E)	16	#5	5'-8"	—
v(E)	36	#5	2'-4"	┌
u1(E)	24	#4	3'-9"	⊠
Concrete Superstructure		Cu. Yd.		1.0
Reinforcement Bars, Epoxy Coated		Pound		250
Protective Coat		Sq. Yd.		2.0

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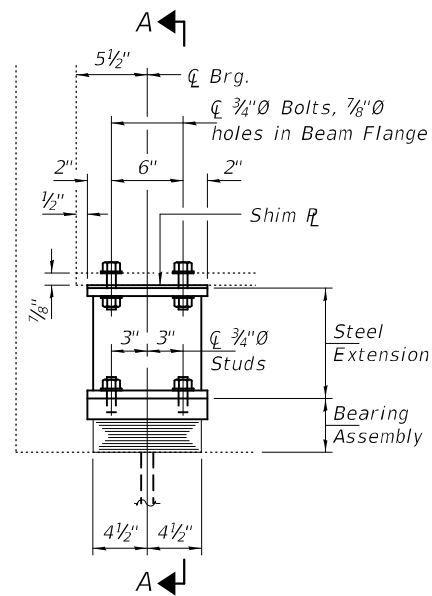
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PLOT DATE = 8/29/2023	CHECKED - D. Macklin	REVISED -
	DATE - April 2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WINGWALL AND RAILING MODIFICATIONS  
S.N. 026-0087

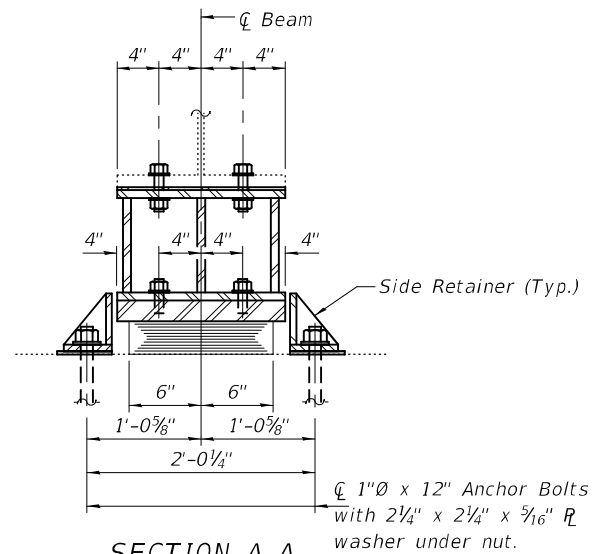
SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	76
			CONTRACT NO. 74471	
ILLINOIS FED. AID PROJECT				



**ELEVATION AT ABUTMENT**

**TYPE I ELASTOMERIC EXP. BRG.**



**SECTION A-A**

**BEAM REACTIONS**

R <sub>∅</sub>	(K)	48.9
R <sub>L</sub>	(K)	33.2
Imp.	(K)	7.3
R (Total)	(K)	89.4

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

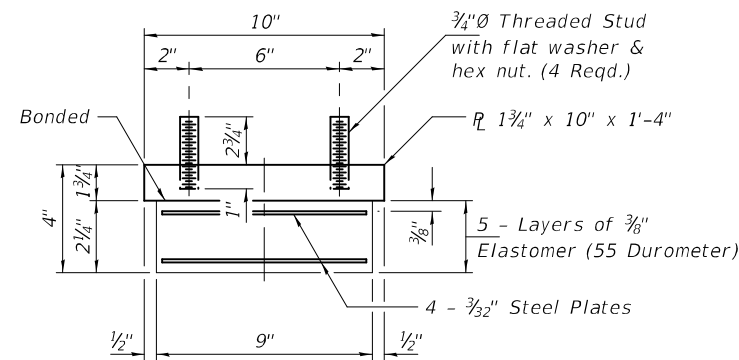
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

Min. jack capacity = 55 Tons.

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 (F<sub>y</sub>=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.

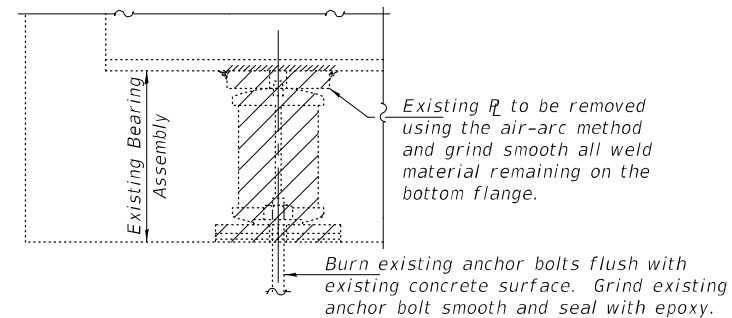
Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



**BEARING ASSEMBLY**

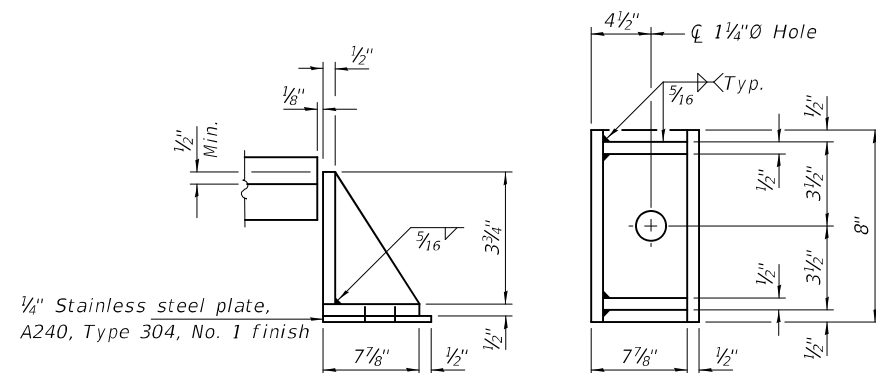
Note:

Shim plates shall not be placed under Bearing Assembly.



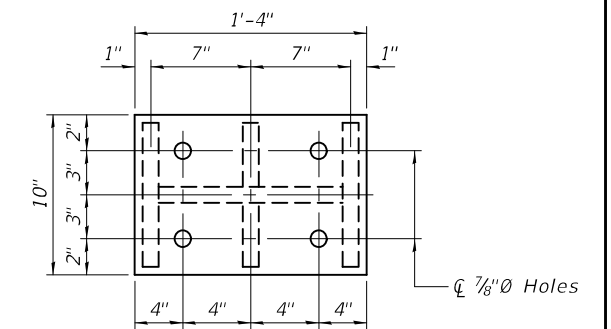
**EXISTING BEARING REMOVAL DETAIL**

Cost included with Jack and Remove Existing Bearings.

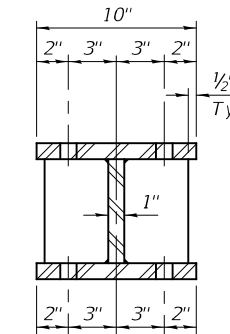


**SIDE RETAINER**

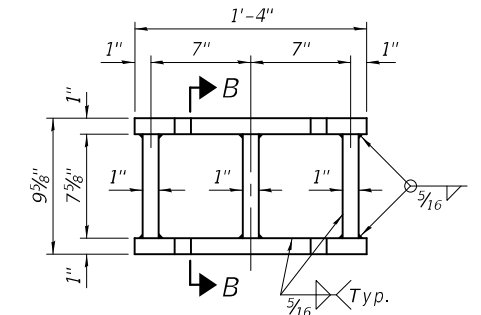
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



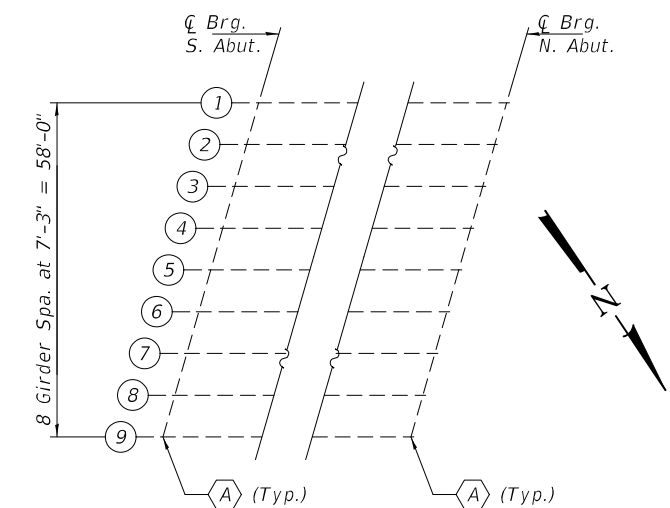
**PLAN TOP AND BOTTOM PLATE**



**SECTION B-B**



**STEEL EXTENSION DETAIL**



**PARTIAL PLAN**

Ⓐ - Bearing Replacement

**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	18
Jack and Remove Existing Bearings	Each	18
Furnishing and Erecting Structural Steel	Pound	3250
Anchor Bolts, 1"∅	Each	36

TYI/REPS 5-17-2018

DESIGNED - JSB
CHECKED - ATH
DRAWN - daburdell
CHECKED - JSB ATH

EXAMINED	DATE - OCTOBER 2, 2023
PASSED	REVISOR -
	REVISOR -

ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

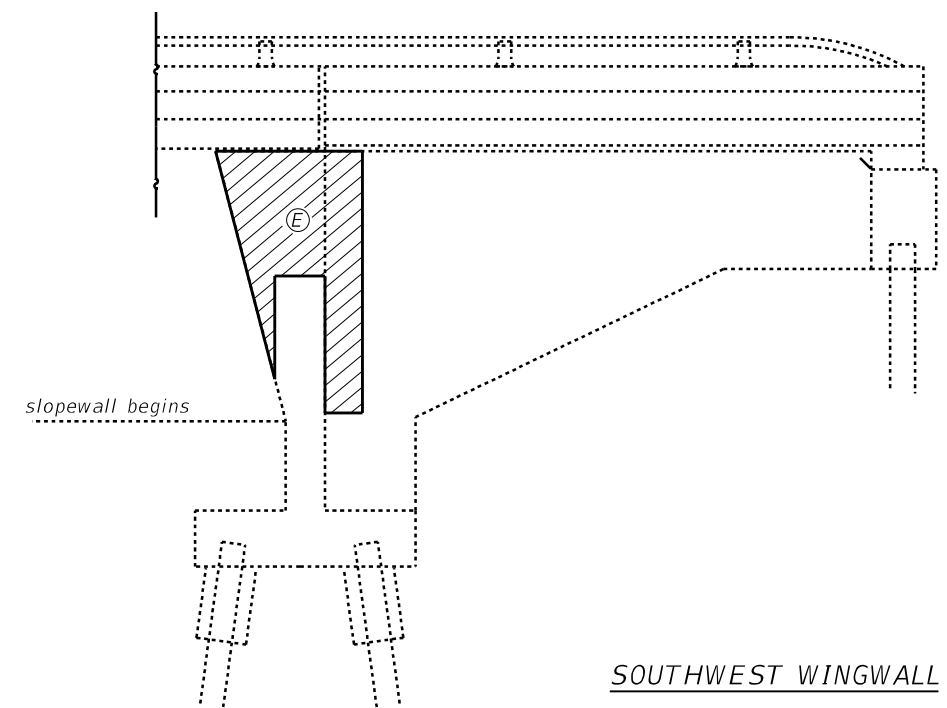
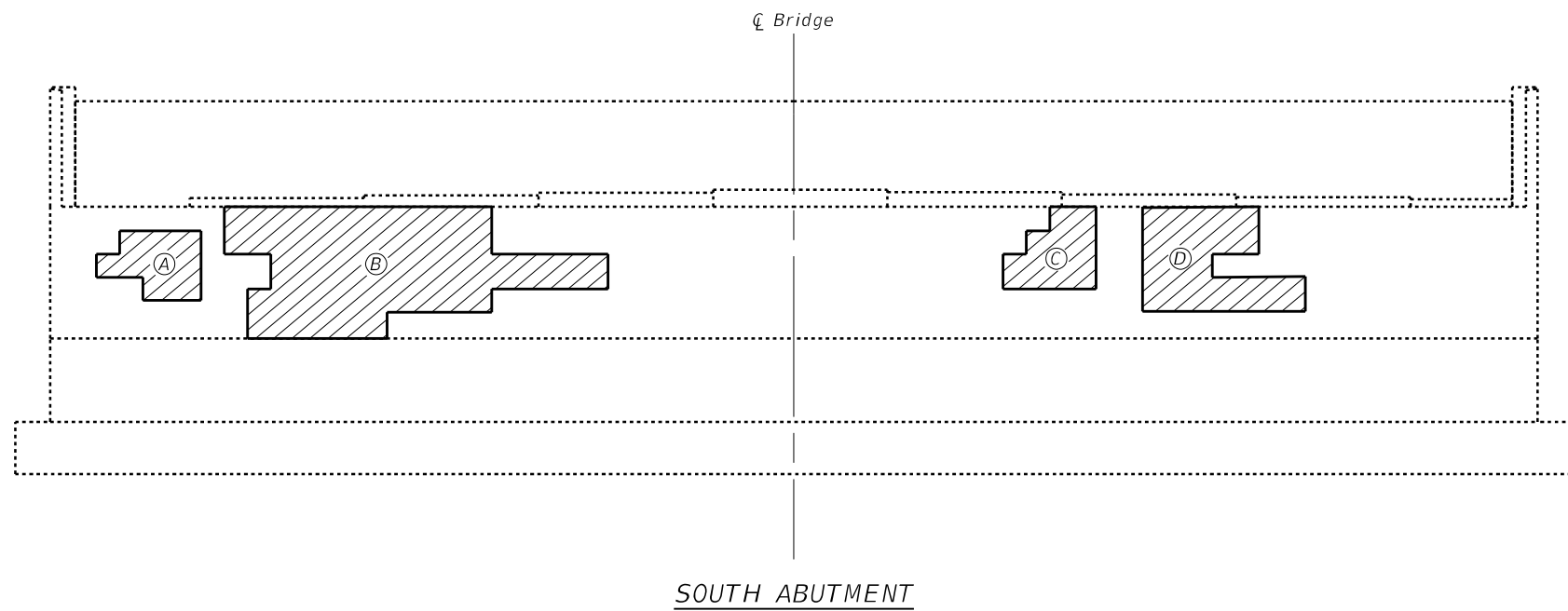
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEARING REPLACEMENT DETAILS - ABUTMENTS  
SN 026-0087

SHEET NO. 13 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	77
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

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**STRUCTURAL REPAIR OF CONCRETE  
(DEPTH ≤ 5") - SOUTH ABUTMENT**

Location	Area SqFt
A	10.5
B	61.3
C	11.0
D	23.5
E	36.2
<b>Total</b>	<b>143</b>



Structural Repair of Concrete (Depth ≤ 5")

Notes: Quantities and locations are approximated. Actual quantities and locations to be determined in the field by the Engineer.

This work is intended to repair only areas of severe deterioration. Some minor deteriorated areas may be left unrepaired.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	143

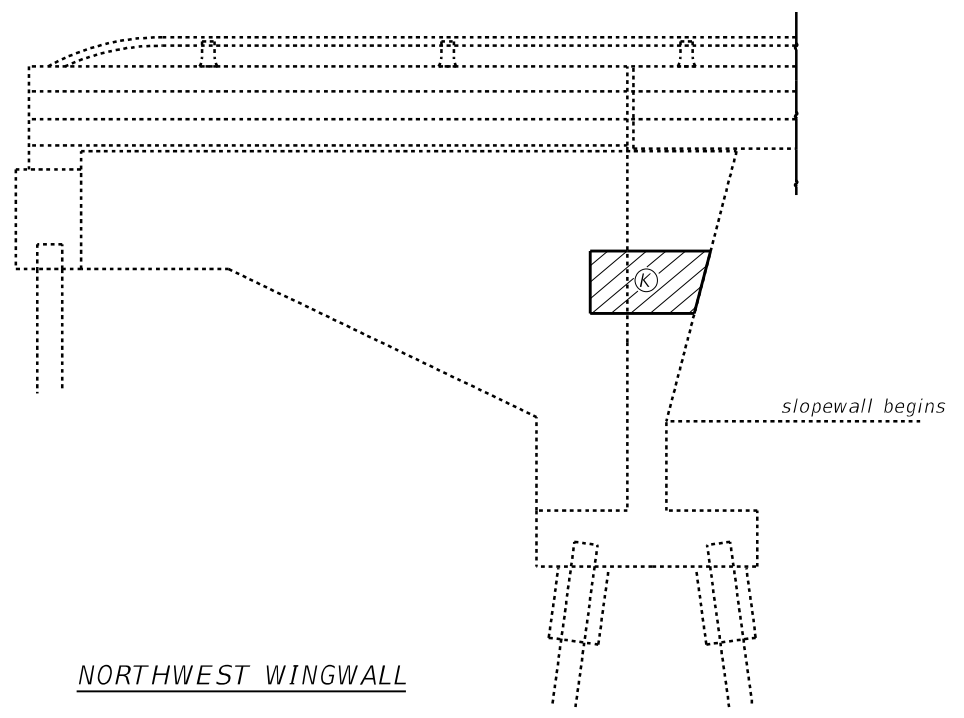
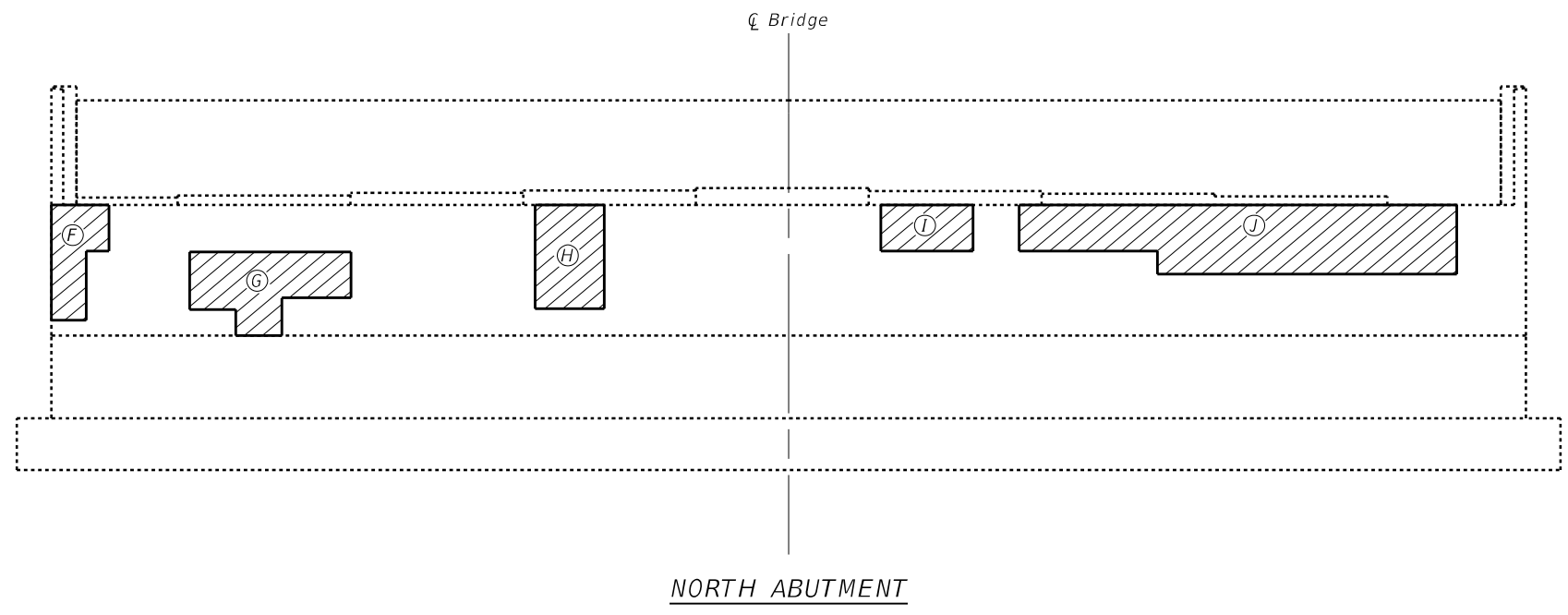
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	DRAWN - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 8/29/2023	DATE - April 2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL REPAIR OF CONCRETE SOUTH ABUTMENT  
S.N. 026-0087**

SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	78
			CONTRACT NO. 74471	
		ILLINOIS	FED. AID PROJECT	



STRUCTURAL REPAIR OF CONCRETE  
(DEPTH ≤ 5") - NORTH ABUTMENT

Location	Area SqFt
F	9.5
G	19.0
H	13.5
I	8.0
J	51.0
K	13.5
Total	115

Structural Repair of Concrete (Depth ≤ 5")

Notes: Quantities and locations are approximated.  
Actual quantities and locations to be determined  
in the field by the Engineer.

This work is intended to repair only areas of  
severe deterioration. Some minor deteriorated  
areas may be left unrepaired.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete ≤ 5 inches	Sq. Ft.	115

MODEL: Default  
FILE NAME: p:\project-aw-bee\paw.com\p\INDOT\Documents\DOT Offices\Director\_7\Projects\74471\CADD\Drawings\CAD\Sheets\0774471-026-0087 Bridge Repair Plans

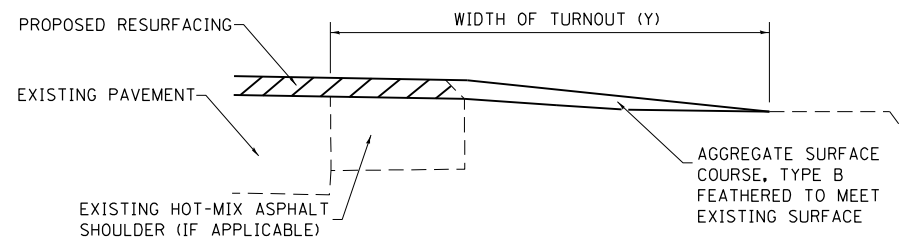
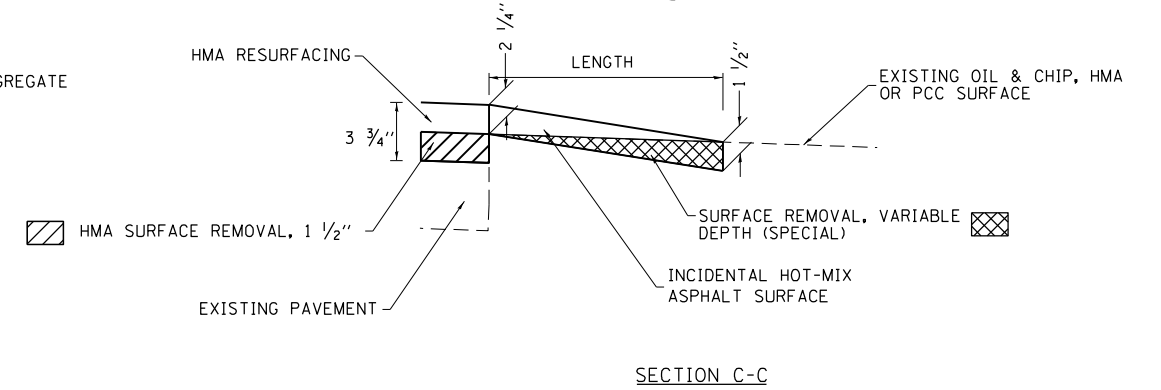
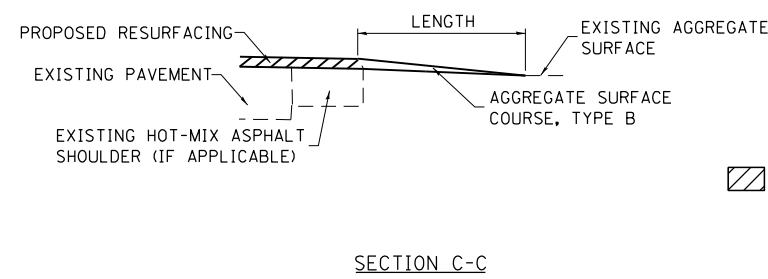
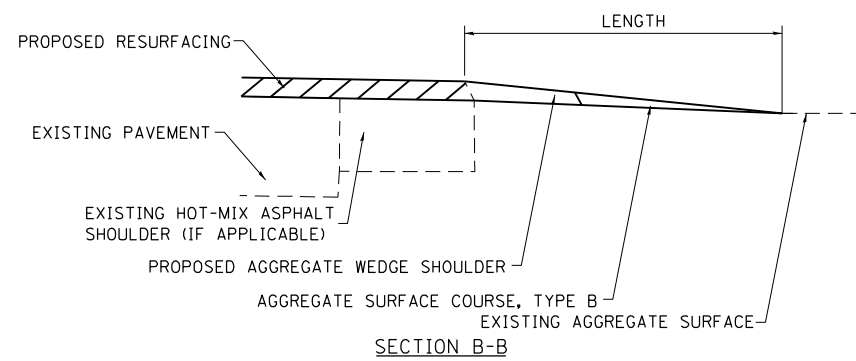
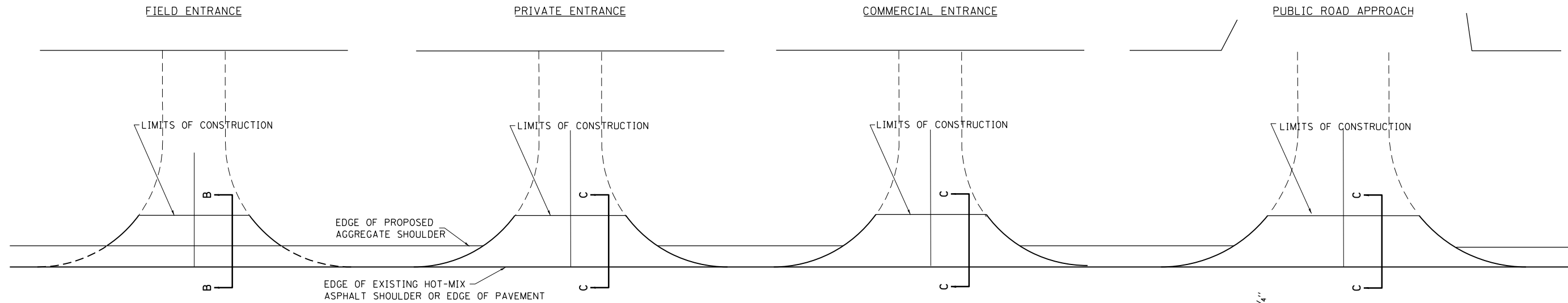
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	DRAWN - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 8/29/2023	DATE - April 2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL REPAIR OF CONCRETE NORTH ABUTMENT  
S.N. 026-0087**

SCALE: SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2),(26-1K)RS	FAYETTE	85	79
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	



**TYPICAL SECTION AT MAILBOX TURNOUT**

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

**NOTES**

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS (TACK COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

MODEL: Default  
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USER NAME = jessica.hille	DESIGNED -	REVISED -
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PLOT DATE = 8/29/2023	DATE -	REVISED -

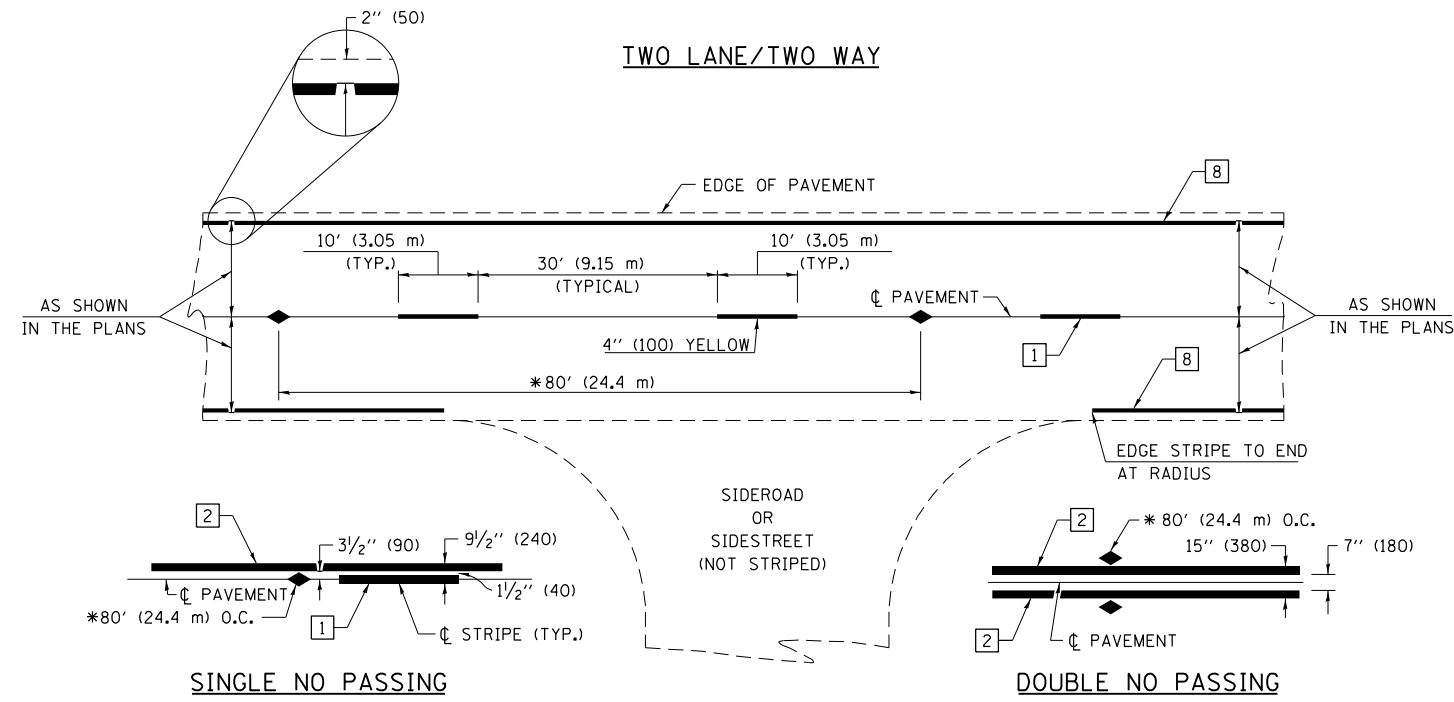
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS  
WITH SHOULDERS**

SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(O-2),(26-1K)RS	FAYETTE	85	80
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74471	

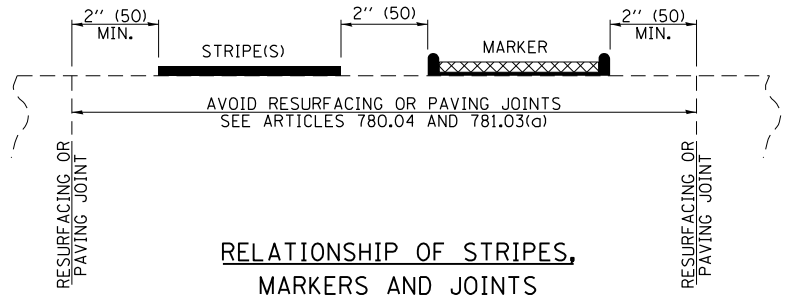




\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

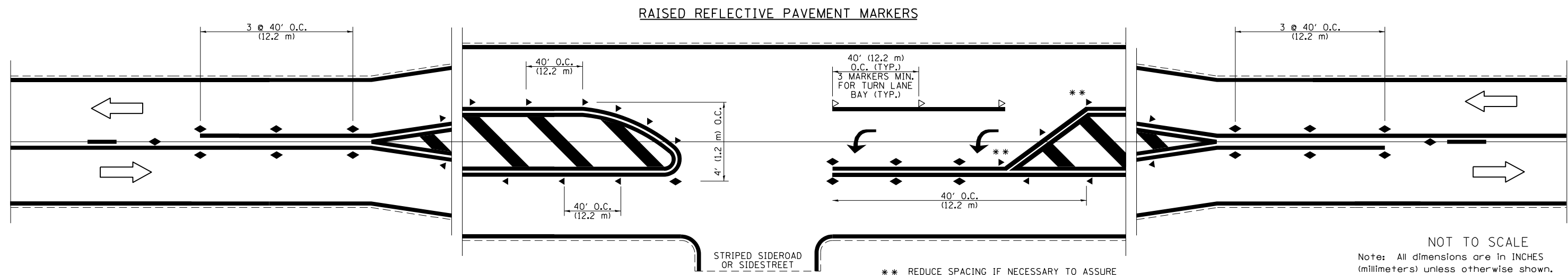
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 12" (300) SOLID WHITE
  - 6 RESERVED
  - 7 6" (150) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) SOLID (WHITE)
  - 11 24" (600) STOP BAR (WHITE)
  - 12 8" (200) SOLID (WHITE)
  - 13 4" (100) PARKING WHITE
- 



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



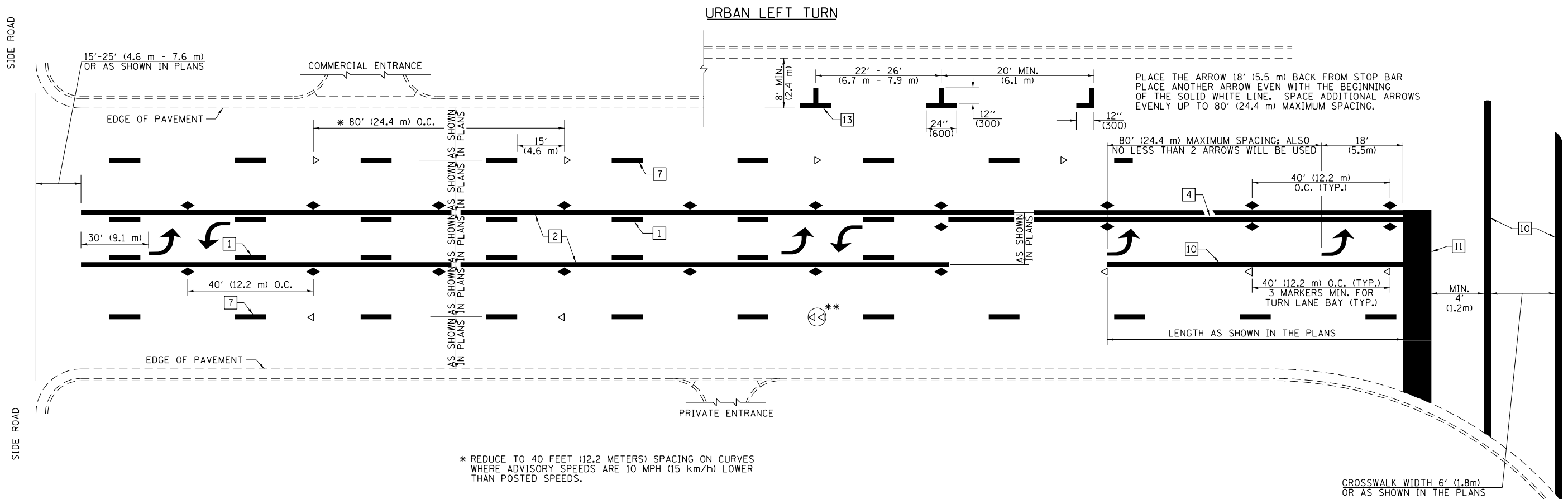
NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = jessica.hille	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

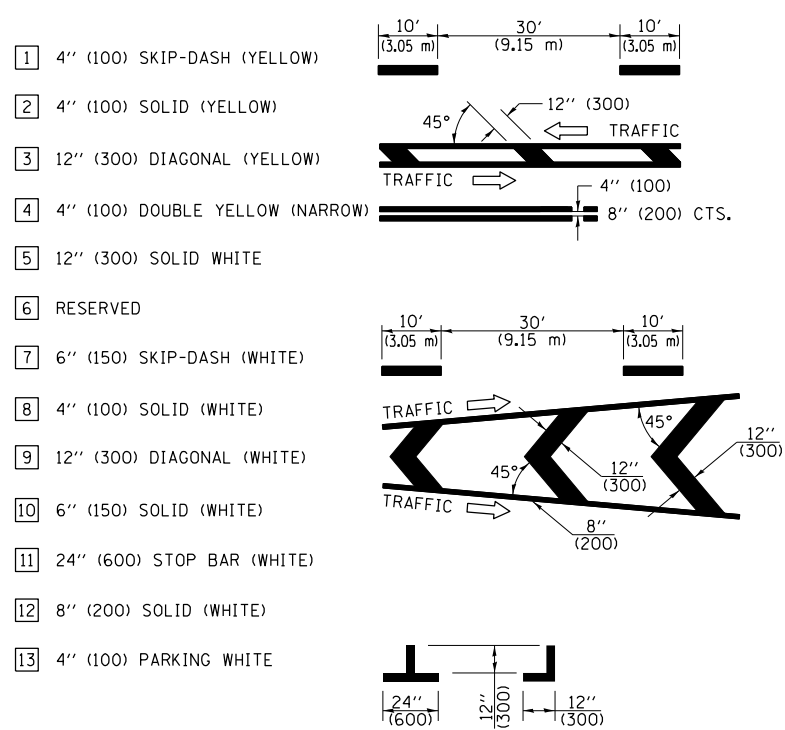
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
(RURAL & URBAN APPLICATIONS)  
SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

DISTRICT 7 DETAIL NO. 78000001				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2), (26-1)KRS	FAYETTE	85	81
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				



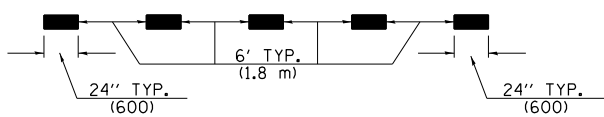
- \* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- \*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

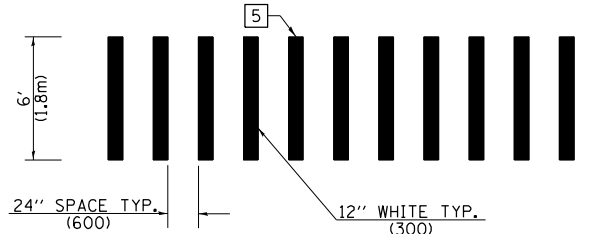


**GENERAL NOTES**

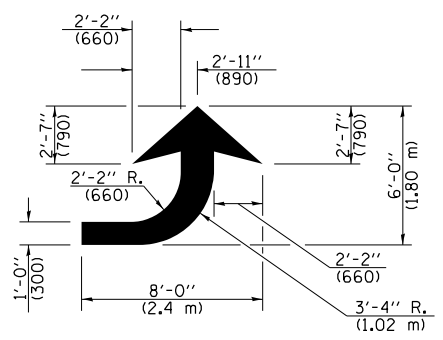
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



**LANE LINE EXTENSIONS**

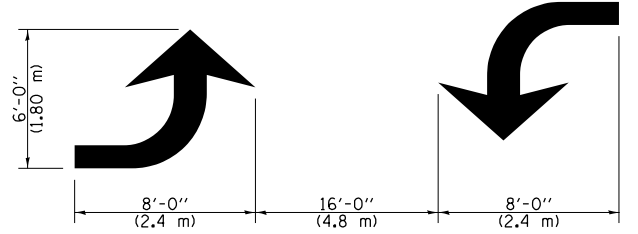


**CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)

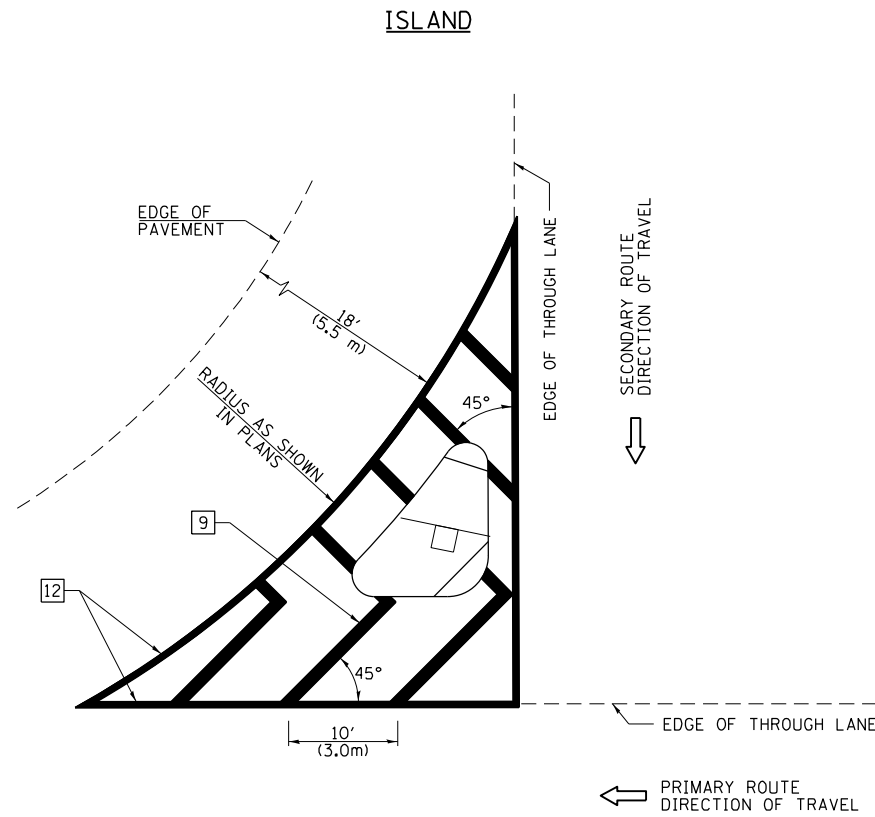


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = jessica.hille	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74471\CAO\Drawings\74471-1-sht-details.dgn	DRWN	REVISIONS	REVISIONS			8413	(0-2,(26-1)KRS	FAYETTE	85	82	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISIONS	REVISIONS			CONTRACT NO. 74471					
PLOT DATE = 8/29/2023	DATE -	REVISIONS	REVISIONS			ILLINOIS FED. AID PROJECT					



**GENERAL NOTES**

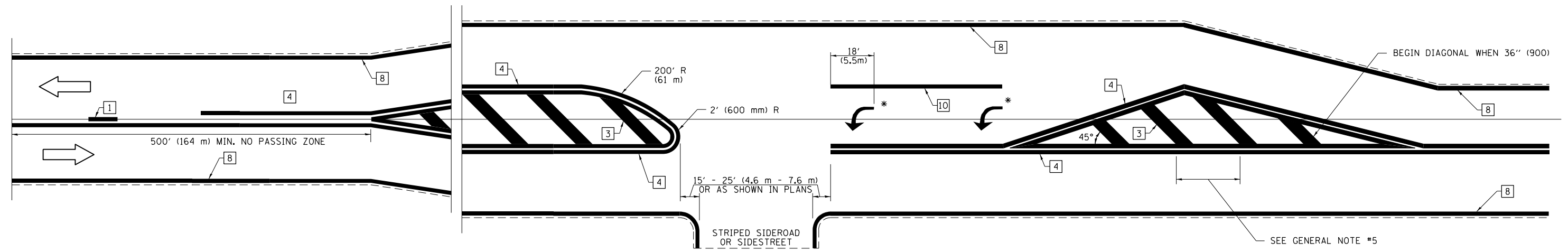
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

**PAVEMENT MARKING LEGEND**

- [1] 4" (100) SKIP-DASH (YELLOW)
- [2] 4" (100) SOLID (YELLOW)
- [3] 12" (300) DIAGONAL (YELLOW)
- [4] 4" (100) DOUBLE YELLOW (NARROW)
- [5] 12" (300) SOLID WHITE
- [6] RESERVED
- [7] 6" (150) SKIP-DASH (WHITE)
- [8] 4" (100) SOLID (WHITE)
- [9] 12" (300) DIAGONAL (WHITE)
- [10] 6" (150) SOLID (WHITE)
- [11] 24" (600) STOP BAR (WHITE)
- [12] 8" (200) SOLID (WHITE)
- [13] 4" (100) PARKING WHITE

**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE  
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2)/26-1KJRS	FAYETTE	85	83
CONTRACT NO. 74471				
ILLINOIS FED. AID PROJECT				

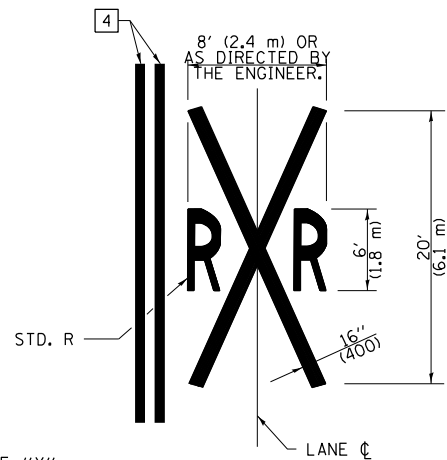
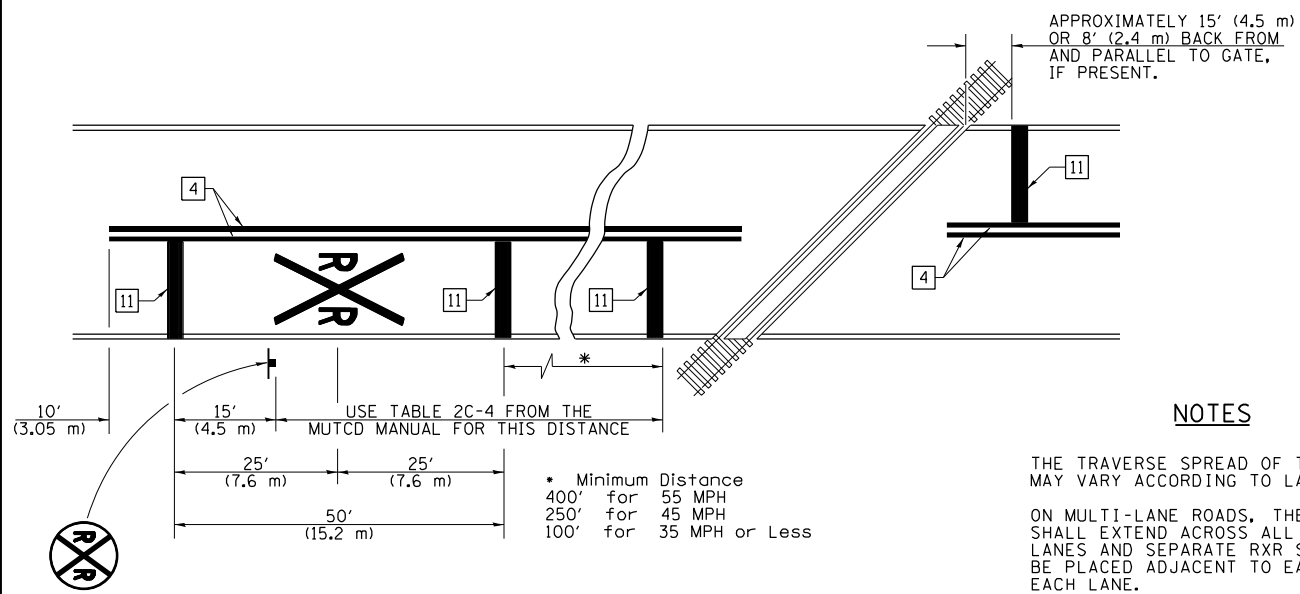
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		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

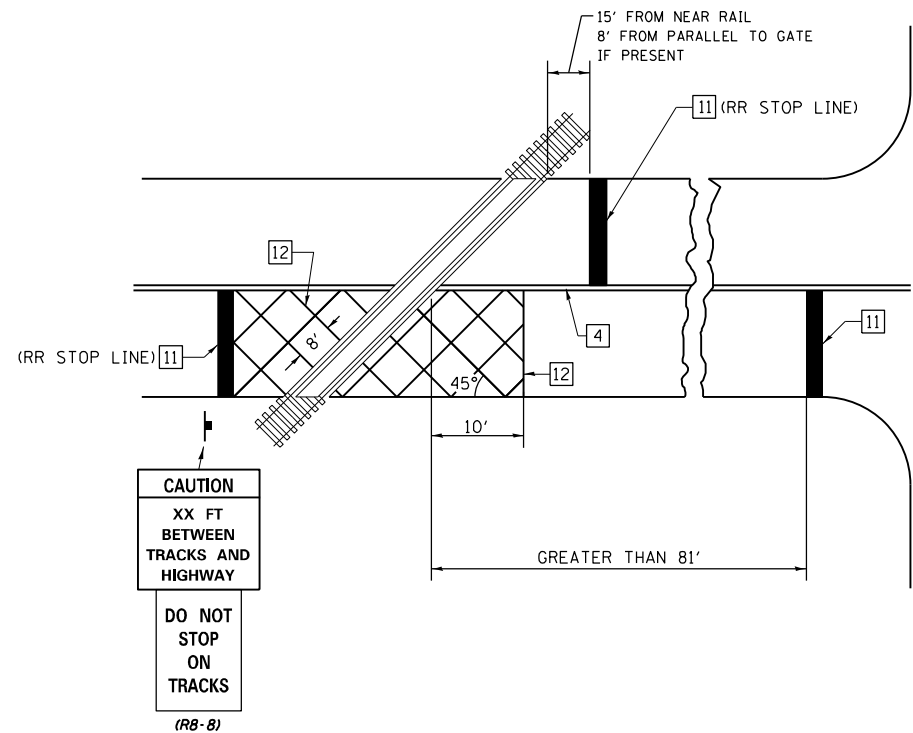
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE R X R SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

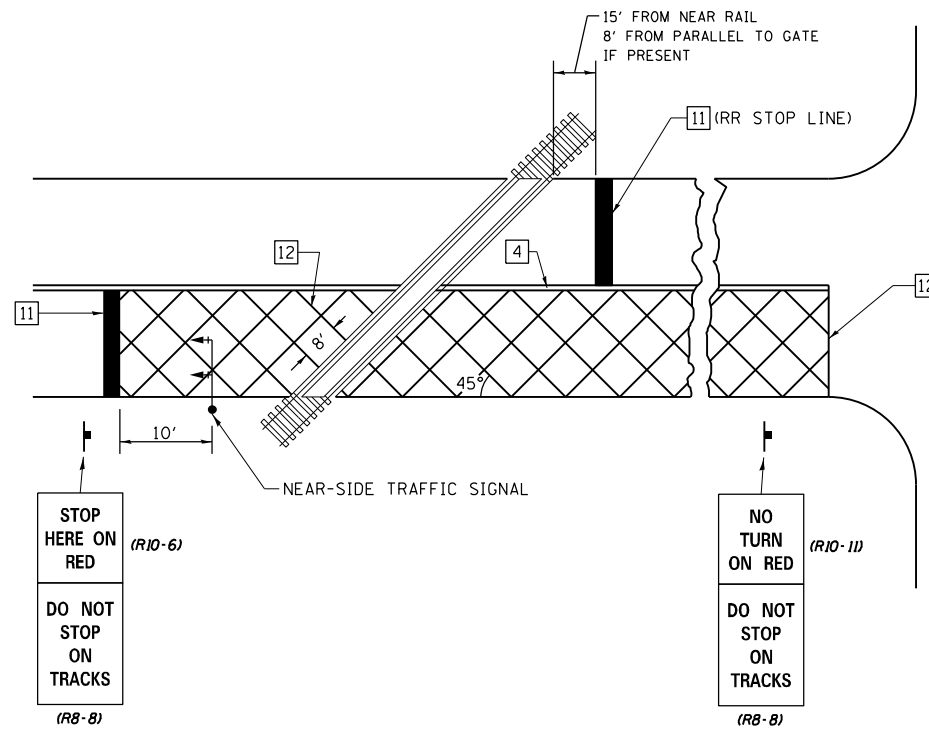
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 12" (300) SOLID WHITE
  - 6 RESERVED
  - 7 6" (150) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) SOLID (WHITE)
  - 11 24" (600) STOP BAR (WHITE)
  - 12 8" (200) SOLID (WHITE)
  - 13 4" (100) PARKING WHITE
- 

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

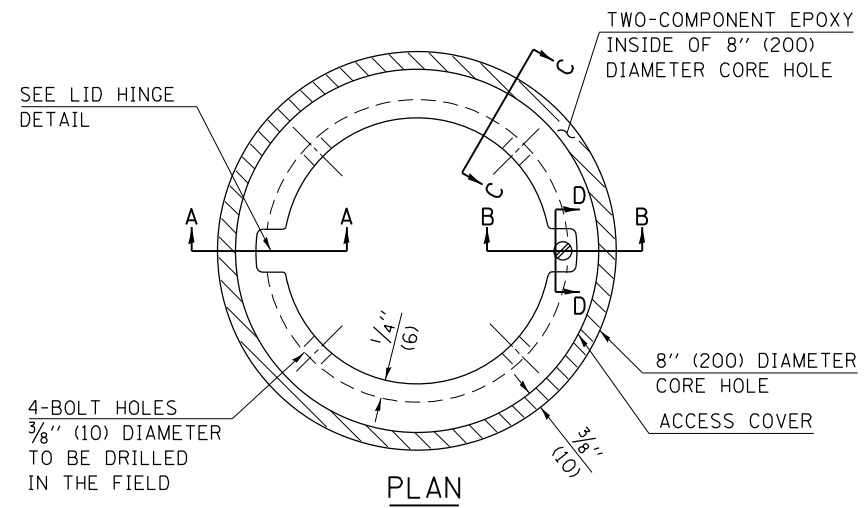
NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

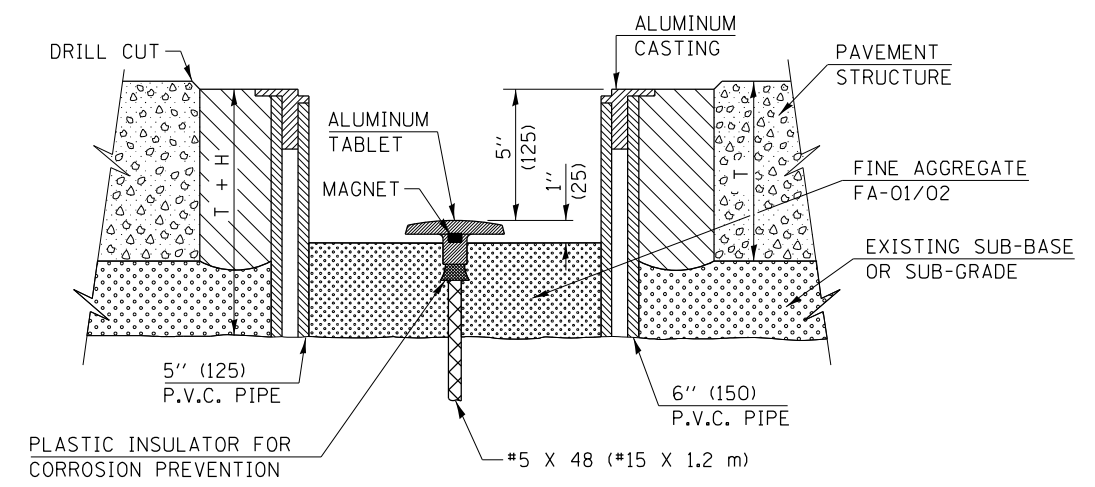
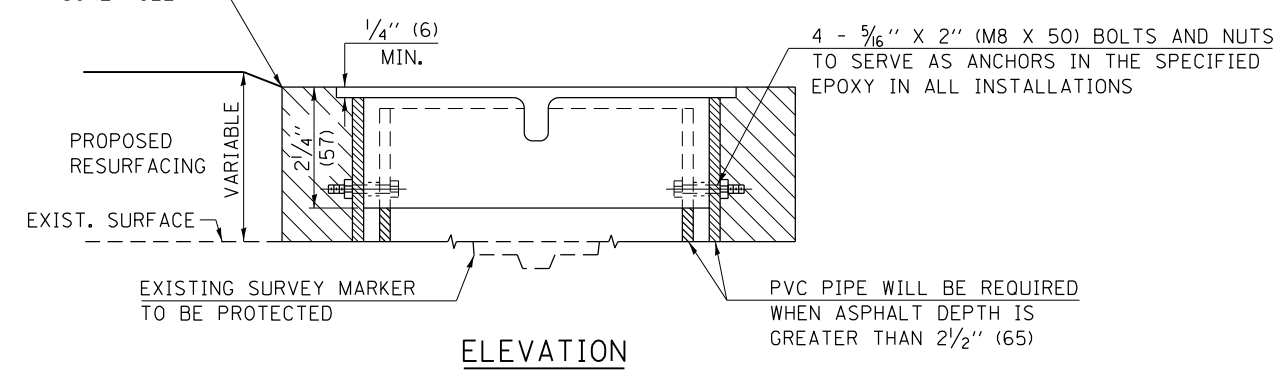
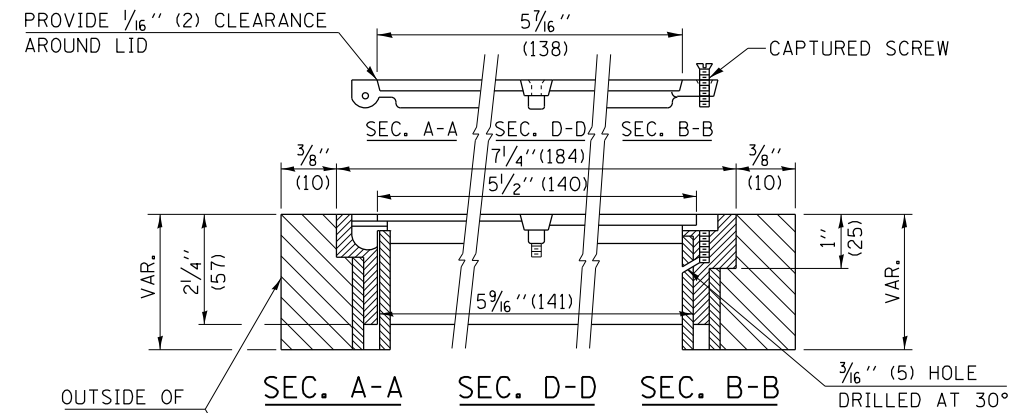
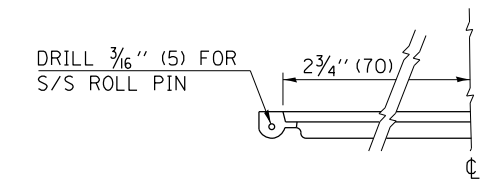
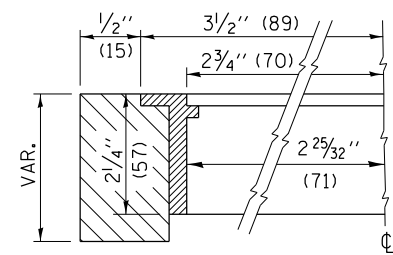
FILE NAME =	USER NAME = jessica.hille	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw\bentley.com\PIDOT Documents\IDOT Offices\District 7\Projects\74471\CAO\Drawings\74471-sht-details.dgn		CHECKED -	REVISED -			8413	(0-2), (26-1)KRS	FAYETTE	85	84	
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 74471					
PLOT DATE = 8/29/2023						ILLINOIS FED. AID PROJECT					

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.



- LEGEND**
- ALUMINUM CASTING
  - 5" (125) OR 6" (150) P.V.C. PIPE
  - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS,	
4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY,	
5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = jessica.hille	DESIGNED -	REVISED - MAD 6-11
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PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -
PLOT DATE = 8/29/2023			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

DISTRICT 7 DETAIL NO. 20070202				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8413	(0-2), (26-1)KRS	FAYETTE	85	85
CONTRACT NO. 74471				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				