

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 PATCHING 2024-4	EFFINGHAM	10	1
ILLINOIS			CONTRACT NO. 74C87	

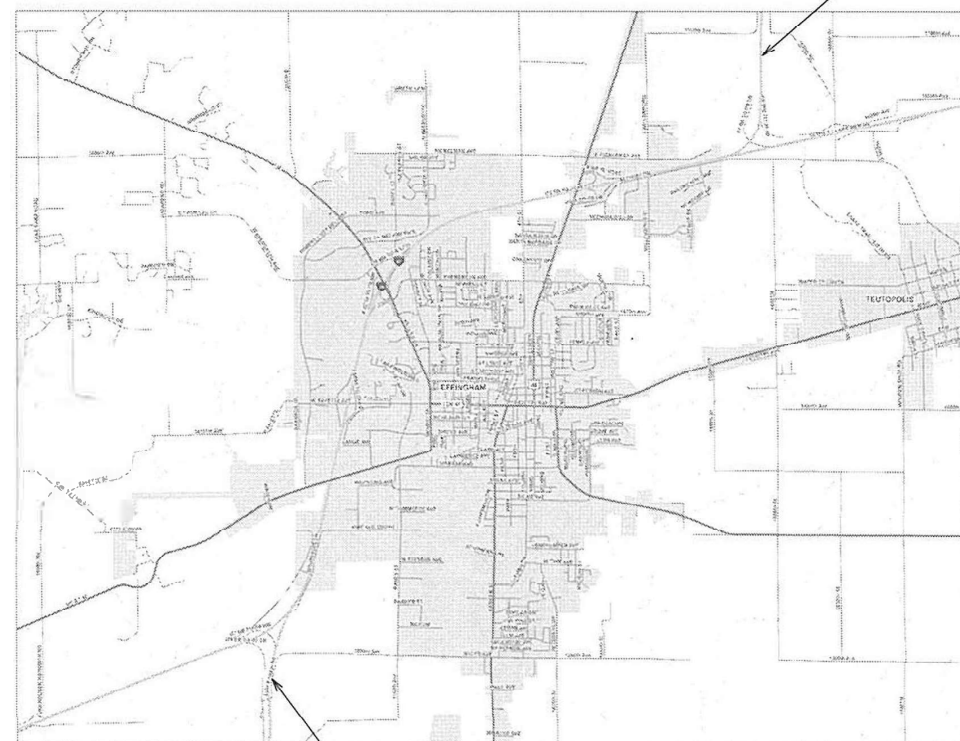
FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT = 43,300 (2021)
D-97-018-24

PROPOSED
HIGHWAY PLANS

FAI ROUTE 57/70 (I-57/70)
SECTION D7 PATCHING 2024-4
PATCHING
EFFINGHAM COUNTY

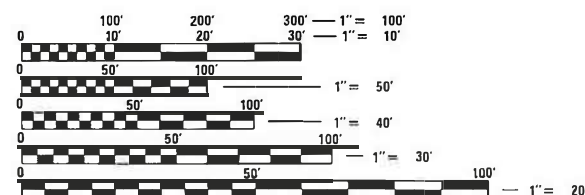
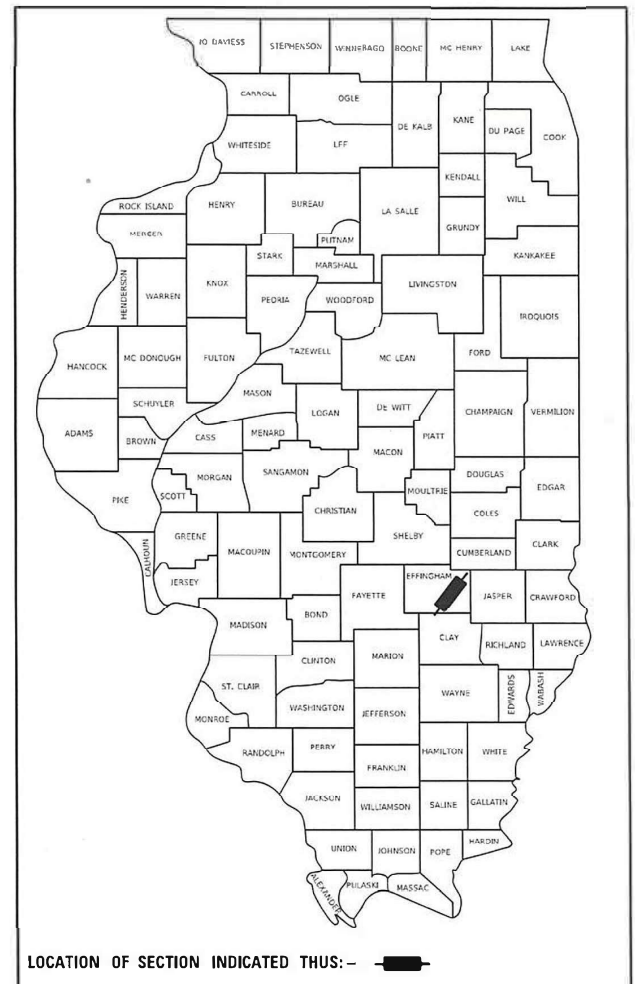
C-97-027-24

PROJECT END M.M. 164 (I-57)



PROJECT START M.M. 157 (I-57)

GROSS LENGTH = 9.17 MILE



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 – JACQUELYN SEALS
PROJECT MANAGER – KYLE PRICE

CONTRACT NO. 74C87

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 28 20 24
Jeffrey P. Myers REGIONAL ENGINEER
May 10, 2024 SEA
ENGINEER OF DESIGN AND ENVIRONMENT
May 10, 2024 Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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GENERAL NOTES

THIS PROJECT IS LOCATED ON FAI ROUTES 70,70, 70 4 15.770, 70U4 15.770, 70 4 16.280, 57, 70 4 15.190, 70 4 18.190 (I-57/I-70) IN EFFINGHAM COUNTY. THE WORK INCLUDED IN SECTION D7 PATCHING 2024-4 CONSISTS OF CLASS B AND CLASS D PATCHING AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE ACTUAL LOCATIONS OF PAVEMENT PATCHING AND FINAL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AN ESTIMATED QUANTITY OF DETECTOR LOOPS, TYPE 1 HAS BEEN INCLUDED TO REPLACE ANY DETECTOR LOOPS THAT ARE WITHIN THE LIMITS OF A PATCH.

THERE SHALL BE NO OPEN HOLES PERMITTED ON THE ROADWAY OUTSIDE OF NORMAL WORKING HOURS.

IF THE RESIDENT HAS ANY QUESTIONS ABOUT LOCATIONS OR PATCHES THEY SHOULD CONTACT THE MAINTENANCE FIELD ENGINEER, AT 217-299-4636

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, AND DETECTOR LOOP TABLE
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5-10	LOCATION DESCRIPTIONS

STD. NO.	DESCRIPTION
000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701 - 03	PAVEMENT WELDED WIRE REINFORCEMENT
420001 - 10	PAVEMENT JOINTS
421001 - 03	BAR REINFORCEMENT FOR CRC PAVEMENT
442101 - 09	CLASS B PATCHES
442201 - 03	CLASS C AND D PATCHES
701101 - 05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701106 - 02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400 - 12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401 - 13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411 - 09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428 - 01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446 - 11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701456 - 05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
780001 - 05	TYPICAL PAVEMENT MARKINGS
701901 - 09	TRAFFIC CONTROL DEVICES
886001 - 01	DETECTOR LOOP INSTALLATIONS
886006 - 01	TYPICAL LAYOUT FOR DETECTION LOOPS

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

6 X 6		LOOP SIZE
		2 TURNS
		3 TURNS
0	545	4 TURNS
546	818	5 TURNS
819	1145	6 TURNS
1146	1527	7 TURNS
1528	1964	8 TURNS
1965	2455	9 TURNS
2456	3000	10 TURNS

THE NUMBERS IN THE TABLE REPRESENT THE
LENGTH OF ELECTRIC CABLE FROM THE LOOP
TO THE CABINET

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?)
CLASS D PATCHING	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	SBS PG 70-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	3000	N/A

REV. - MS

FILE NAME: D7	USER NAME = jessica.hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS, & STANDARDS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						57/70	D7 PATCHING 2024-4	EFFINGHAM	10	2
	PLOT SCALE = 100.0000' ± / in.	CHECKED -	REVISED -						CONTRACT NO. 74C87				
	PLOT DATE = 3/29/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		
					ILLINOIS FED. AID PROJECT								

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PATCHING

LOCATION	CLASS B PATCHES, TYPE II, 12"	CLASS B PATCHES, TYPE III, 12"	CLASS B PATCHES, TYPE IV, 12"	CLASS D PATCHES, TYPE I, 13"	CLASS D PATCHES, TYPE II, 13"	CLASS D PATCHES, TYPE III, 13"	DOWEL BARS 1 1/2"	TIE BARS 3/4"	WELDED WIRE REINFORCEMENT	SAW CUTS
	44200994	44200998	44201000	44201798	44201803	44201807	44201299	44213204	44200050	44213200
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	EACH	SQ YD	FOOT
A				19.3	192.7	88				
B					21.3					
C	27.9	34.3	38.9				144	12	73.2	391
D	31.9		266.6				124	73	266.6	567.5
E		93.2	93.4				168	18	186.6	547
F	26.6	22.2	189				168	41	211.2	583
G	21.4			6.7	10.7		56	0	0	123
H				2.7	5.3	21.3				
TOTALS	108	150	588	29	230	109	660	144	738	2212

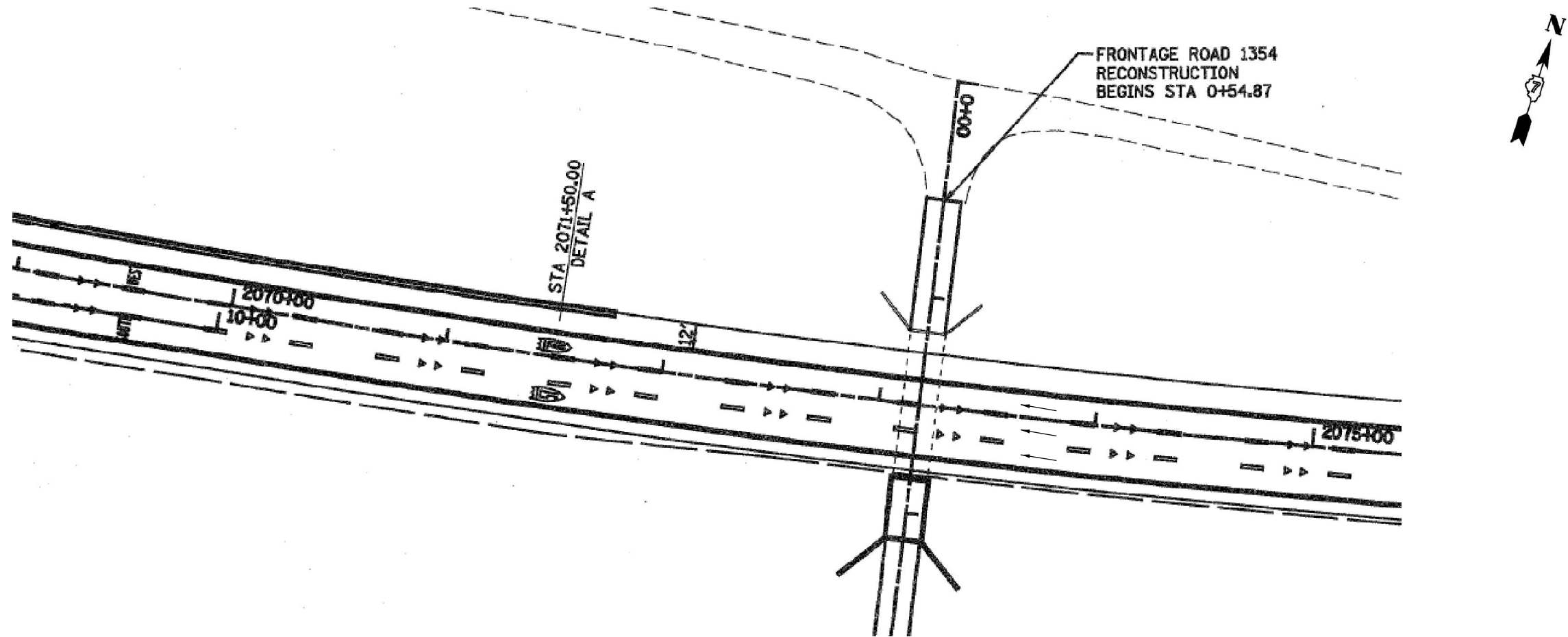
LOCATION DESCRIPTIONS

A	URBAN	MAINLINE I-57/70 - MILE MARKER 163.046 TO MILE MARKER 157.57
B	URBAN	SOUTH BOUND OFF RAMP EXIT 162 (US 45)
C	URBAN	SOUTH BOUND OFF RAMP EXIT 160 (KELLER)
D	URBAN	CONTINUE SOUTH BOUND OFF RAMP EXIT 160 ACROSS KELLER TO WEST EVERGREEN
E	URBAN	SOUTH BOUND ON RAMP FROM SOUTH BOUND KELLER
F	URBAN	SOUTH BOUND ON RAMP FROM WEST EVERGREEN
G	URBAN	SOUTH BOUND OFF RAMP EXIT 159 (FAYETTE AVE)
H	URBAN	END OF ST LOUIS RAMP (NB I-57 TO WB I-70 – JUST WEST OF THE TRI-LEVEL)

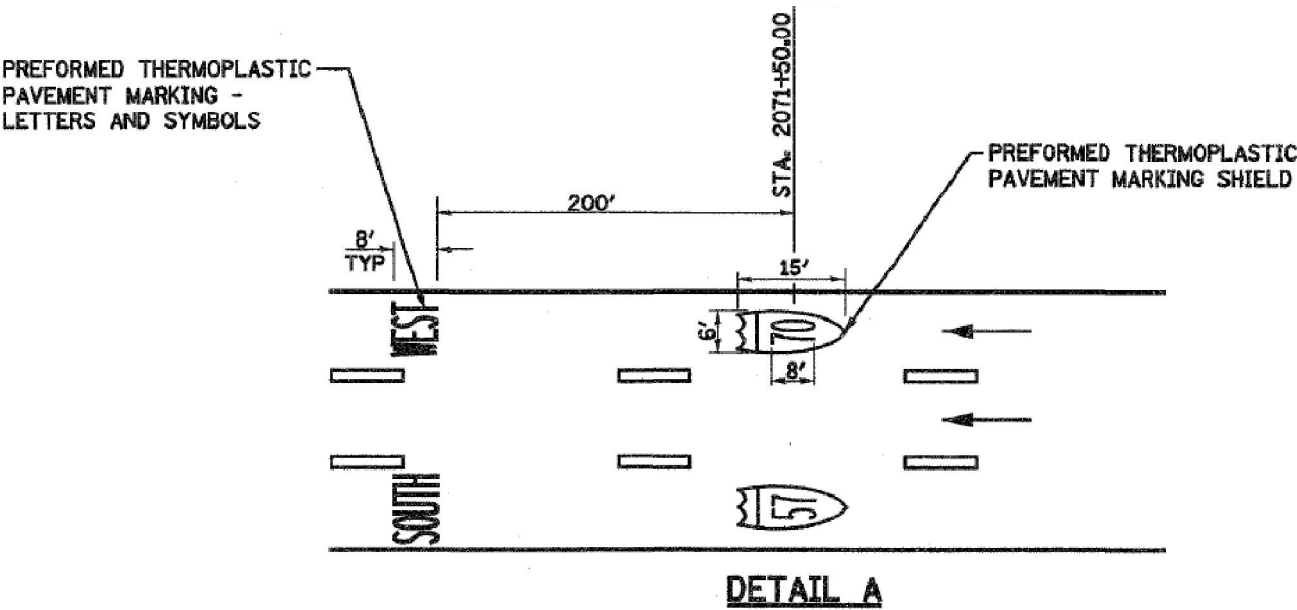
PAVEMENT MARKINGS

LOCATION		PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	PREFORMED THERMOPLASTIC PAVEMENT MARKING SHIELD	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS, NUMBERS AND SYMBOLS	NOTES
		78006100	X7800700	78011000	
		SQ FT	EACH	SQ FT	
SB	2071+50	49.8	2	300.9	I-57 SHIELD, I-70 SHIELD, "SOUTH", "WEST"
SB	2081+50	69.4	2	350.0	I-57 SHIELD, I-70 SHIELD, "SOUTH", "WEST", "TO" (X2)
SB	2320+00	37.9	1	186.7	US 45 SHIELD, "ONLY", "EXIT"
SB	2325+00	37.9	1	186.7	US 45 SHIELD, "ONLY", "EXIT"
SB	2330+00	37.9	1	186.7	US 45 SHIELD, "ONLY", "EXIT"
NB	2330+50	69.7	2	350.0	I-57 SHIELD, I-70 SHIELD, "NORTH", "EAST", "TO" (X2)
NB	2340+50	50.1	2	300.9	I-57 SHIELD, I-70 SHIELD, "NORTH", "EAST"
TOTALS		352.7	11	1861.9	

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SB I-57/70 SHIELDS (STA. 2071 + 50.00)



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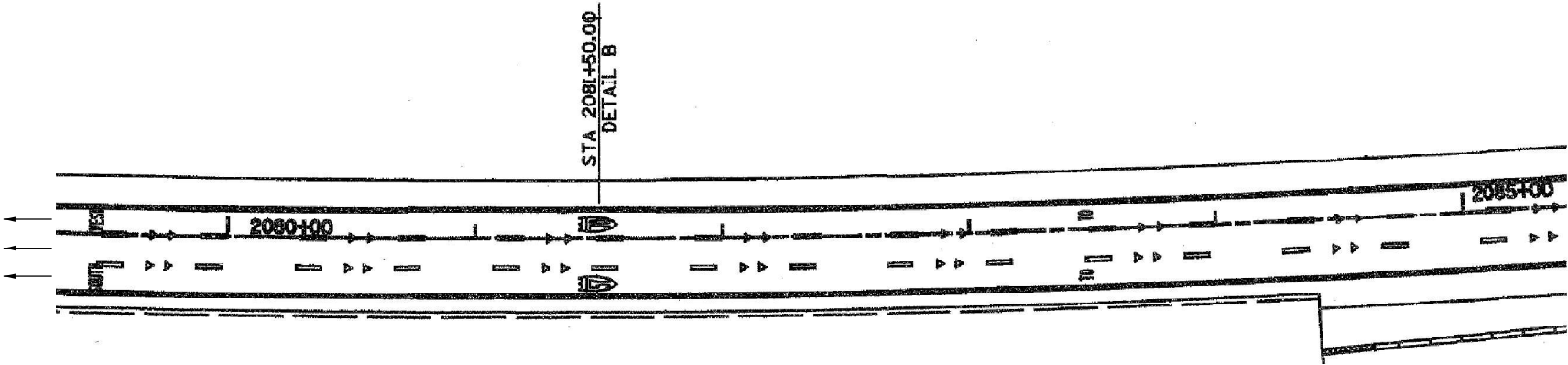
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS LOCATION MAP

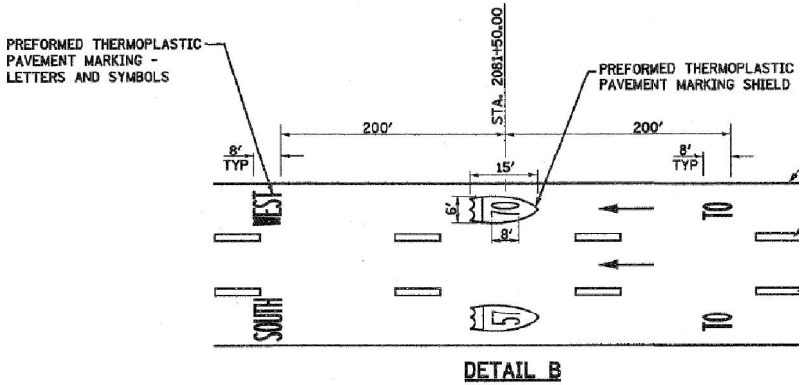
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 PATCHING 2024-4	EFFINGHAM	10	7
CONTRACT NO. 74C87				
ILLINOIS FED. AID PROJECT				

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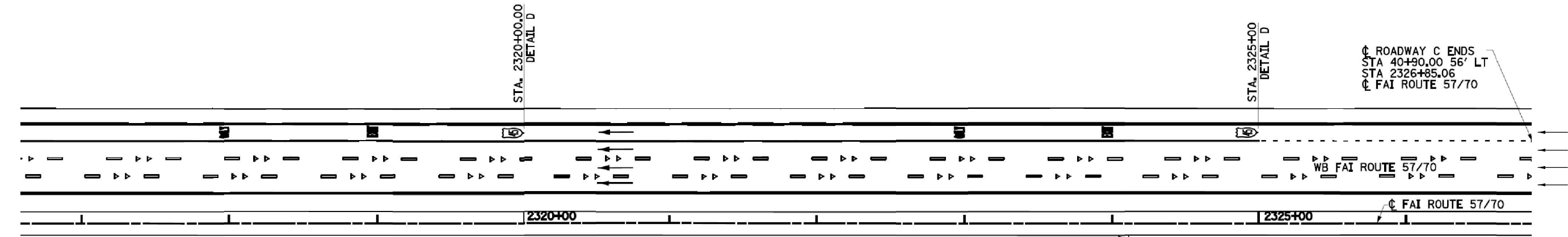


SB I-57/70 SHIELDS (STA. 2081 + 50.00)

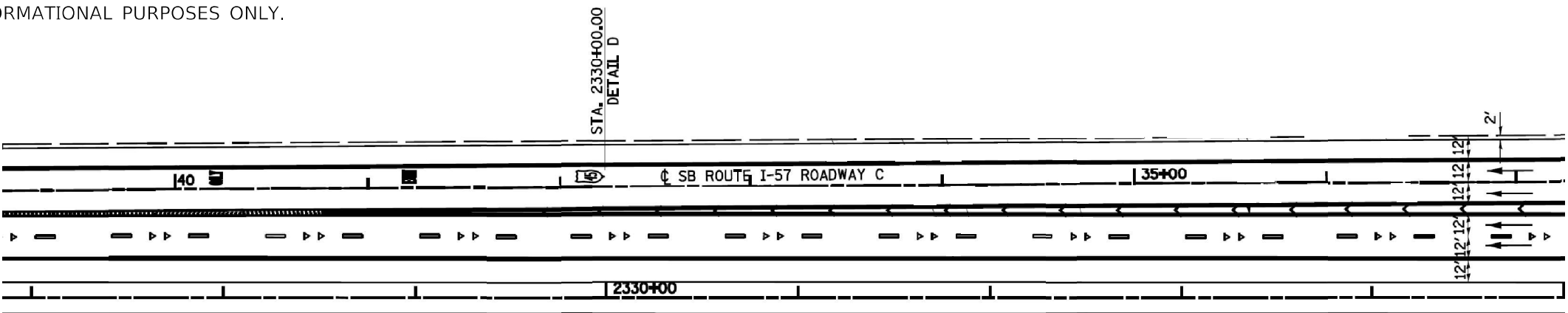


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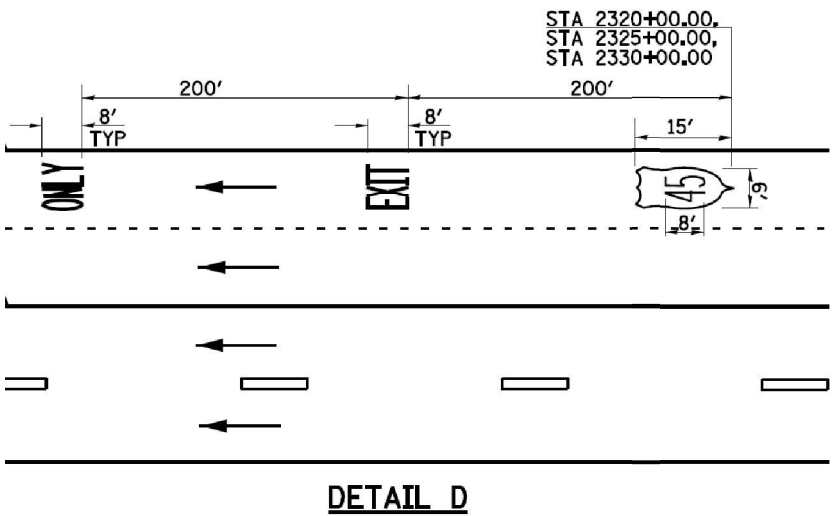
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		DRAWN -	REVISED -							57/70	D7 PATCHING 2024-4		EFFINGHAM	10	8
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	PLOT DATE = 3/29/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS		FED. AID PROJECT	



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SB US-45 SHIELDS (STA. 2320 + 00, 2325 + 00, & 2330 + 00)



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		DRAWN -	REVISED -							57/70	D7 PATCHING 2024-4		EFFINGHAM	10	9
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STA. 2340+50.00

200'

15'

8' TYP

NORTH

EAST

DETAIL C

[illegible]