

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
13	(5-3)RS-1	Jackson	10	1
ILLINOIS CONTRACT NO. 78B54				

FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA
950 ADT (2025) WITH 6% TRUCKS

**PROPOSED
HIGHWAY PLANS**

**SWEETS DR. (OR 13)
SECTION (5-3)RS-1**

**RESURFACING
JACKSON**

C-99-098-25

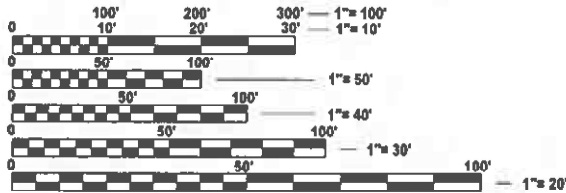
**TOWNSHIPS
CARBONDALE**

D-99-065-25



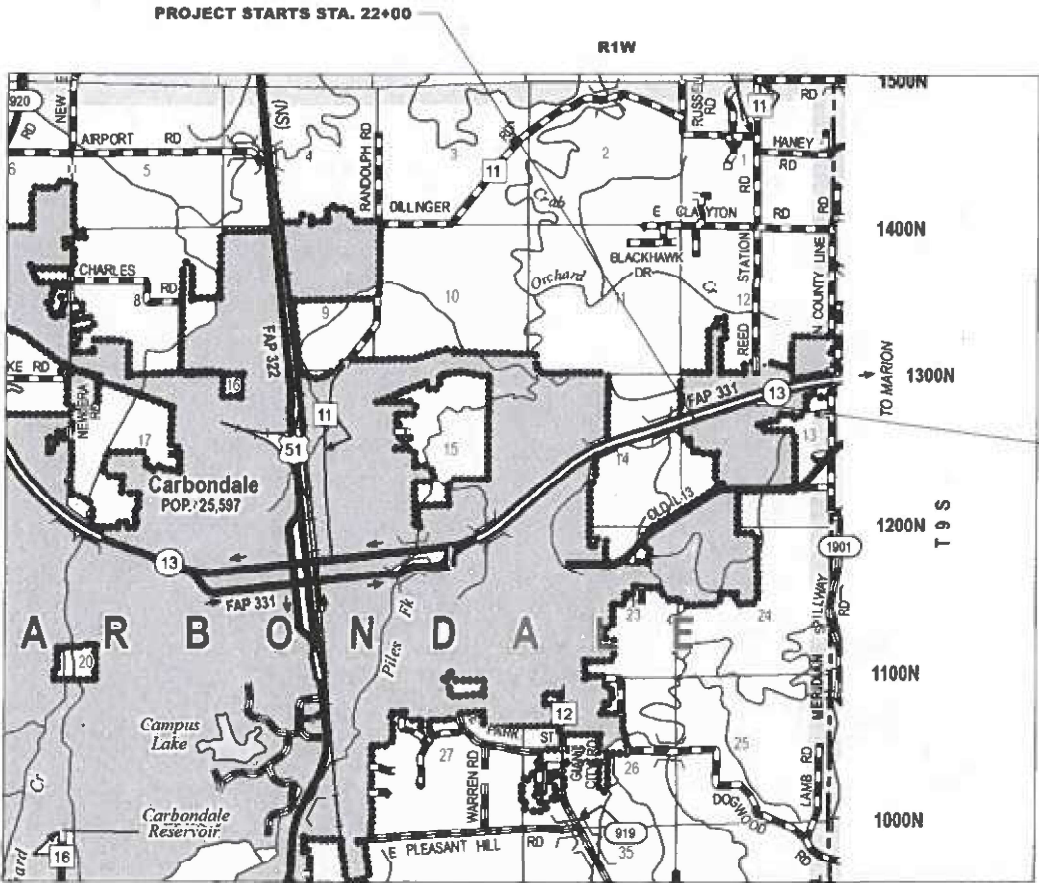
LOCATION OF SECTION INDICATED THUS: -

DESIGN DESIGNATION : N/A
COORDINATE SYSTEM : ESPG:102671 NAD 1983
STATEPLANE ILLINOIS EAST
FIPS 1201
POSTED SPEED : 25 MPH



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

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



PROJECT ENDS STA. 49+45/REED STATION RD.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 30, 2025
Lora S. Renning REGIONAL ENGINEER
October 3, 2025
Sean Greenlee ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 2025
Harry DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: SEAN GREENLEE
PROJECT DESIGNER: TRISTEN REID

CONTRACT NO. 78B54

GROSS LENGTH = 2745 FT. = 0.52 MILES
NET LENGTH = 2745 FT. = 0.52 MILES

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OF THE STATE OF ILLINOIS**

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/23/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(5-3)RS-1	Jackson	10	2
CONTRACT NO. 78B54				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Mary Phil HRC
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Con Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. COO
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: B. Smith
DISTRICT CONSTRUCTION ENGINEER

Examined By: A. Hart
DISTRICT MATERIALS ENGINEER

INDEX OF SHEETS

- 1COVER SHEET
- 2SIGNATURE SHEET
- 3GENERAL NOTES, INDEX OF SHEETS,
STANDARDS, HMA MIXTURE REQUIREMENTS
- 4-5SUMMARY OF QUANTITIES
- 6-7SCHEDULES
- 8TYPICALS
- 9ADA SIDEWALK SHEET
- 10ENTRANCE AND SIDEROAD DETAILS

HMA MIXTURE REQUIREMENTS TABLE

Locations	Hot-Mix Asphalt Surface Course/Incidental Hot-Mix Asphalt
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N50
PG:	PG64-22
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	Mix C
Mixture Weight:	112 LBS./SQ Yd/in
Quality Management Program:	QC/QA
Sublot Size:	3,000 tons
Material Transfer Device	No

Locations	Hot-Mix Asphalt Binder Course
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-9.5FG, N50
PG64-22	PG64-22
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm Fine Graded
Friction Aggregate:	None
Mixture Weight:	112 LBS./SQ Yd/in
Quality Management Program:	QC/QA
Sublot Size:	3,000 tons
Material Transfer Device	No

Locations	Pavement Patching
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-19.0, N50
PG:	PG64-22
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 LBS./SQ Yd/in
Quality Management Program:	QC/QA
Sublot Size:	3,000 tons
Material Transfer Device	No

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT2.016 TONS/CU. YD.

ALL AGGREGATE2.05 TONS/CU. YD.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, BINDER COURSE, AND SURFACE COURSE

HMA RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT, THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE

VIBRATORY ROLLERS WILL NOT BE ALLOWED WITHIN THE CORPORATE LIMITS OF CARBONDALE.

CONTRACTOR SHALL COMPLETE ALL PATCHING PRIOR TO THE HOT MIX ASPHALT SURFACE REMOVAL.
COMMITMENTS: NONE

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 424001-12 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C & D PATCHES
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
- 701006-05 OFF-ROADOPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-10 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

REV - MS

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		DRAWN -	REVISED -						*	(5-3)RS-1	Jackson	10	3
		CHECKED -	REVISED -		CONTRACT NO. 78B54								
	PLOT DATE = 7/24/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.			
								ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	JACKSON CO
				ROUTE:	OR 13
				FUNDING:	100% STATE
				LOCATION:	URBAN
				ROADWAY	
				0005	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,706		3,706
40600370	LONGITUDINAL JOINT SEALANT	FOOT	2,745		2,745
40600990	TEMPORARY RAMP	SQ YD	24		24
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	385		385
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50	TON	462		462
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	27		27
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	80		80
42400800	DETECTABLE WARNINGS	SQ FT	20		20
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5,490		5,490
44000600	SIDEWALK REMOVAL	SQ FT	80		80
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	11		11
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	18		18
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	71		71

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SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON CO
ROUTE:	OR 13
FUNDING:	100% STATE
LOCATION:	URBAN
TOTAL QUANTITY	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42
70300100	SHORT TERM PAVEMENT MARKING	FOOT	275	275
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	92	92
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	686	686
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	686	686
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	229	229

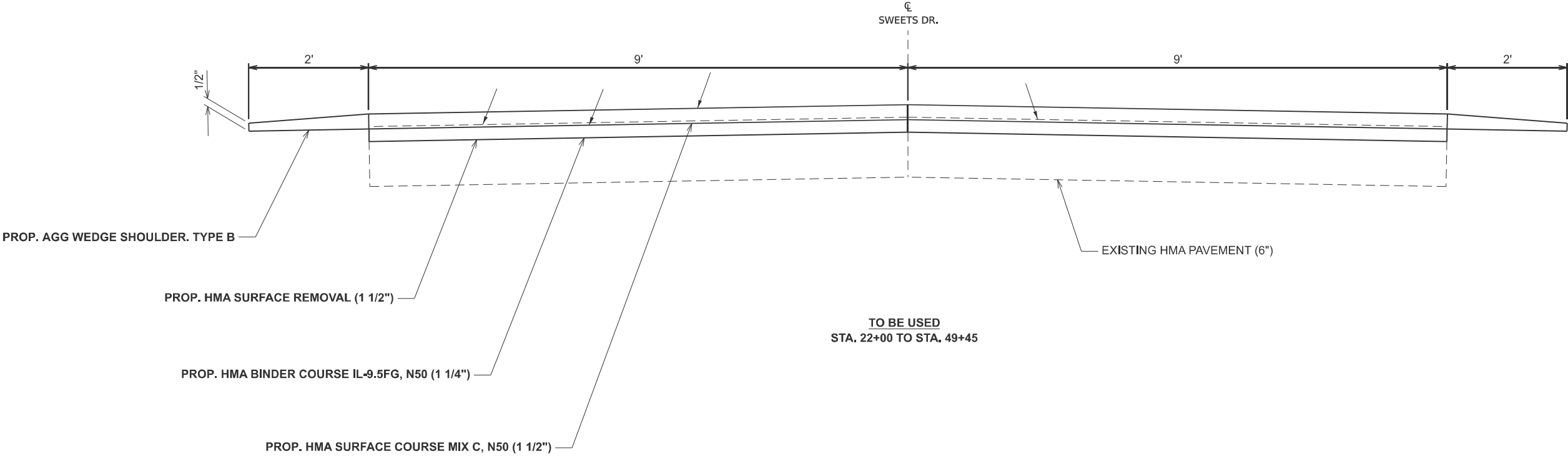
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		DRAWN -	REVISED -					*	(5-3)RS-1	Jackson	10	5
		CHECKED -	REVISED -					CONTRACT NO. 78B54				
	PLOT DATE = 7/24/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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TO BE USED
STA. 22+00 TO STA. 49+45

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		CHECKED -	REVISED -					CONTRACT NO. 78B54				
	PLOT DATE = 7/23/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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RESURFACING SCHEDULE													
LOCATION STATION TO STATION	LENGTH	WIDTH AT EOP	WIDTH AT 4' OFFSET	WIDTH AT RAD RETURN	ENTRANCE TYPE	TEMPORARY RAMPS	HMA SURFACE COURSE MIX C, N50 (1.5")	HMA BINDER COURSE IL-9.5FG, N50 (1.25")	HMA SURFACE REMOVAL (1.5")	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL IMA SURFACING	COMMENTS
SWEETS DR.	FOOT	FOOT	FOOT	FOOT		SQ YD	TON	TON	SQ YD	FOOT	POUND	TON	
STA. 22+00 TO STA. 49+45	2745	18				10	462	385	5490	2745	3706		
STA. 22+00 RT TO STA. 22+60 RT	60	60	55		HMA							2	LAKESIDE VET PARKING LOT
STA. 24+26 RT TO STA. 24+98 RT	72	72		18	OIL & CHIP	8						8	HARMONY LN
STA. 26+95 RT TO STA. 27+41 RT	46	46	41		PCC							1	FURNITURE KING PARKING LOT
STA. 30+34 RT TO STA. 30+84 RT	50	50	49		PCC							2	FURNITURE KING/CORVETTE PARKING LOT
STA. 33+42 RT TO STA. 34+00 RT	58	58		25	OIL & CHIP	6						6	SANPAT LN
STA. 36+59 RT TO STA. 37+13 RT	54	54	50		PCC							2	ABSOLUTE AUTO BODY PARKING LOT
STA. 39+31 RT TO STA. 39+83 RT	52	52	34		HMA							1	ENVIRO-TECH PARKING LOT
STA. 40+42 RT TO STA. 40+78 RT	36	36	35		PCC							1	PHILLIPS PRO CYCLE PARKING LOT
STA. 44+74 RT TO STA. 45+17 RT	43	43	44		HMA							1	STRIP MALL ENTRANCE WEST
STA. 46+81 RT TO STA. 47+40 RT	59	59	51		HMA							2	STRIP MALL ENTRANCE EAST
						24	462	385	5490	2745	3706	26	

SHOULDER SCHEDULE										
LOCATION STATION TO STATION						LENGTH	WIDTH	AGGREGATE WEDGE SHOULDER, TYPE B	INCIDENTAL IMA SURFACING	COMMENTS
SWEETS DR.						FOOT	FOOT	TON	TON	
RIGHT										
STA. 22+00 RT TO STA. 22+60 RT	60									LAKESIDE VET PARKING LOT
STA. 22+60 RT TO STA. 24+26 RT	166	2		3						
STA. 24+26 RT TO STA. 24+98 RT	72									HARMONY LN
STA. 24+98 RT TO STA. 26+95 RT	197	2		3						
STA. 26+95 RT TO STA. 27+41 RT	46									FURNITURE KING PARKING LOT
STA. 27+41 RT TO STA. 30+34 RT	293	2		4						
STA. 30+34 RT TO STA. 30+84 RT	50									FURNITURE KING/CORVETTE PARKING LOT
STA. 30+84 RT TO STA. 33+42 RT	258	2		4						
STA. 33+42 RT TO STA. 34+00 RT	58									SANPAT LN
STA. 34+00 RT TO STA. 36+59 RT	259	2		4						
STA. 36+59 RT TO STA. 37+13 RT	54									ABSOLUTE AUTO BODY PARKING LOT
STA. 37+13 RT TO STA. 39+31 RT	218	2		3						
STA. 39+31 RT TO STA. 39+83 RT	52									ENVIRO-TECH PARKING LOT
STA. 39+83 RT TO STA. 40+42 RT	59	2		1						
STA. 40+42 RT TO STA. 40+78 RT	36									PHILLIPS PRO CYCLE PARKING LOT
STA. 40+78 RT TO STA. 42+79 RT	201	2		3						
STA. 42+79 RT TO STA. 43+07 RT	28	3		1						AUTO WORLD LOT
STA. 43+07 RT TO STA. 44+74 RT	167	2		3						
STA. 44+74 RT TO STA. 45+17 RT	43									STRIP MALL ENTERANCE WEST
STA. 45+17 RT TO STA. 46+81 RT	164	2		3						
STA. 46+81 RT TO STA. 47+40 RT	59									STRIP MALL ENTERANCE EAST
STA. 47+40 RT TO STA. 49+45 RT	205	2		3						
LEFT										
STA. 22+00 LT TO STA. 33+53 LT	1153	2		15						
STA. 33+53 LT TO STA. 33+63 LT	10	1.6					1			SIDEWALK
STA. 33+63 LT TO STA. 49+45 LT	1582	2		21						
TOTALS								71	1	

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		DRAWN -	REVISED -					*	(5-3)RS-1	Jackson	10	7
		CHECKED -	REVISED -		SCALE:			CONTRACT NO. 78B54				
	PLOT DATE = 7/23/2025	DATE -	REVISED -		SHEET 1 OF 2 SHEETS			TO STA.				

ILLINOIS FED. AID PROJECT

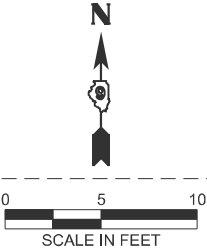
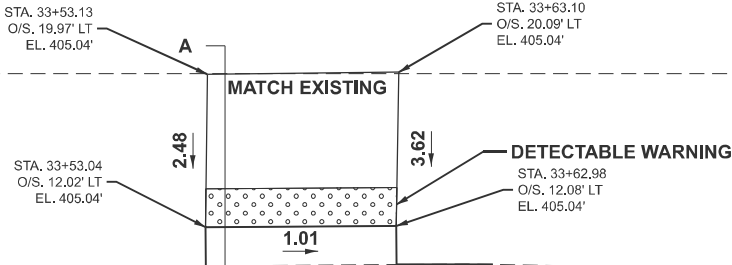
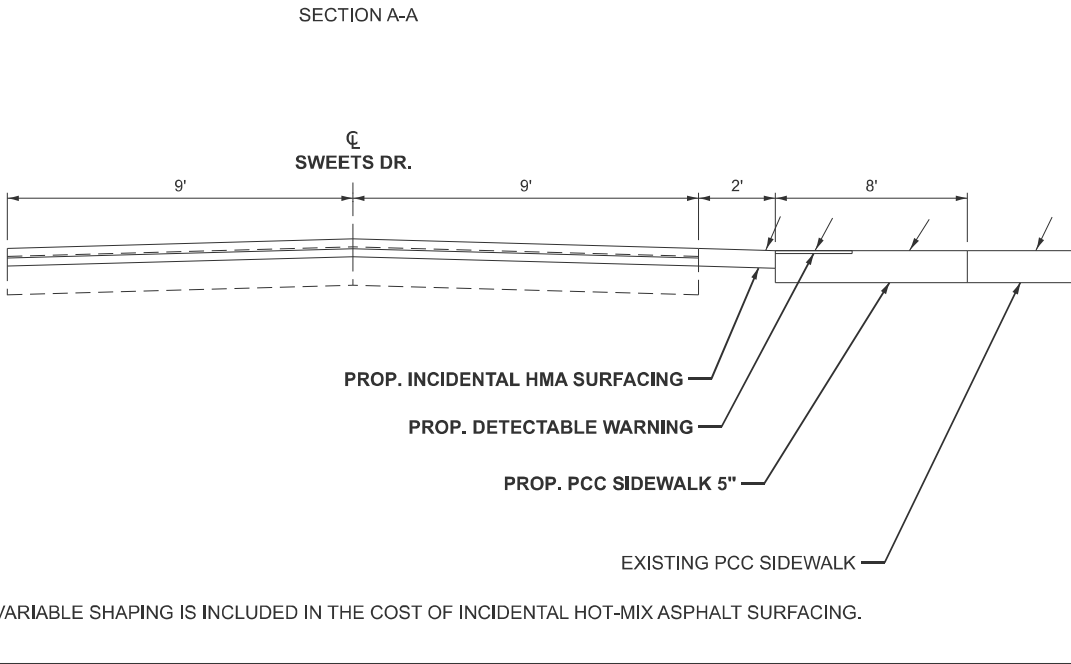
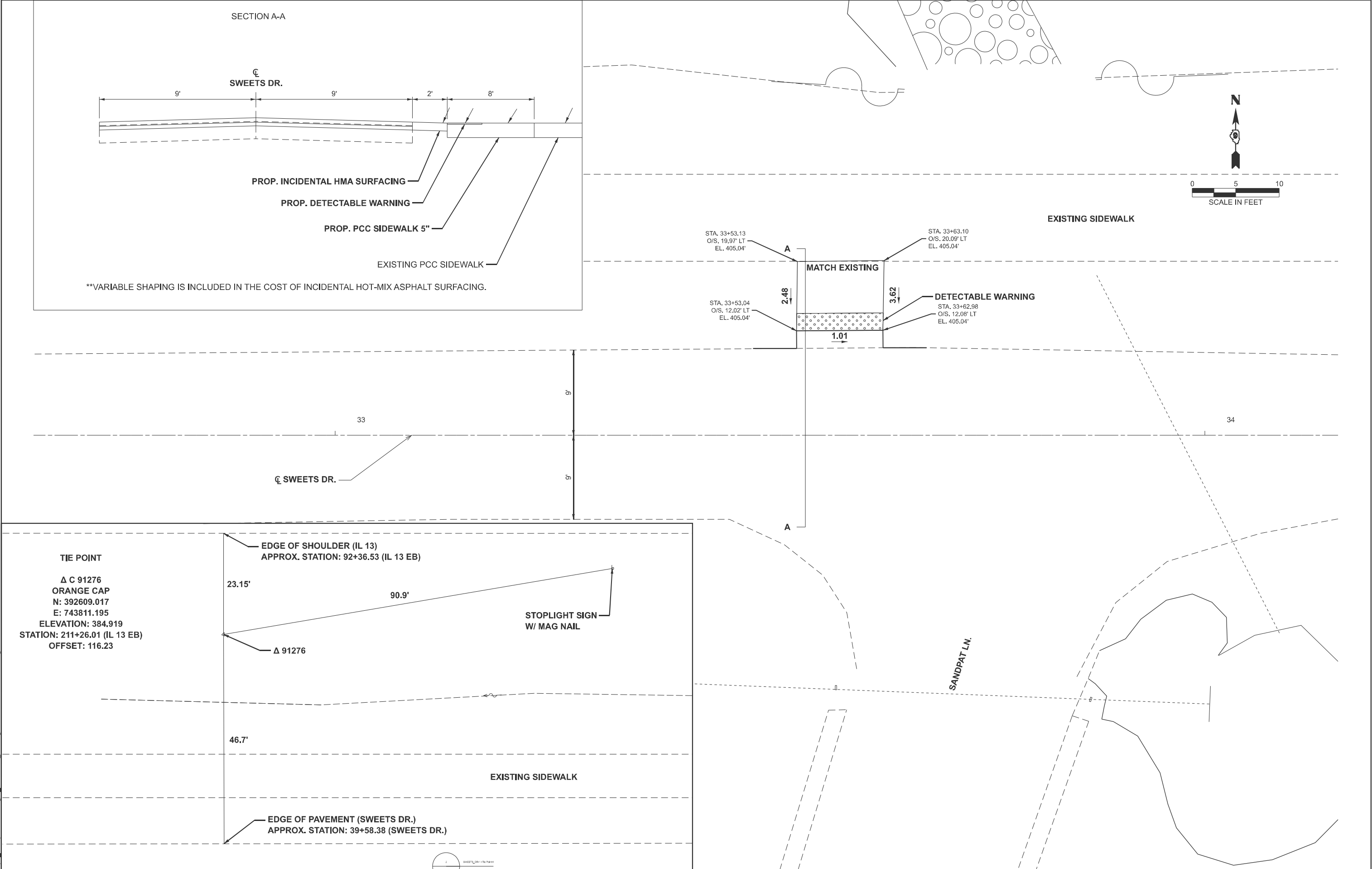
OR 13

SIDEWALK SCHEDULE				
LOCATION STATION TO STATION	PCC SIDEWALK 5"	DETECTABLE WARNING	SIDEWALK REMOVAL	COMMENTS
	SQ FT	SQ FT	SQ FT	
STA. LT 33+53 TO STA. LT 33+63	80	20	80	
TOTALS	80	20	80	

PAVEMENT MARKING SCHEDULE			
LOCATION STATION TO STATION	LENGTH	THERMOPLASTIC PAVEMENT MARKING	COMMENTS
		LINE 4"	
		YELLOW	
		SKIP-DASH	
	FOOT	FOOT	
STA. 22+00 TO STA. 49+45	2745	686	
TOTAL		686	

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		DRAWN -	REVISED -					*	(5-3)RS-1	Jackson	10	8
		CHECKED -	REVISED -					CONTRACT NO. 78B54				
	PLOT DATE = 7/23/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



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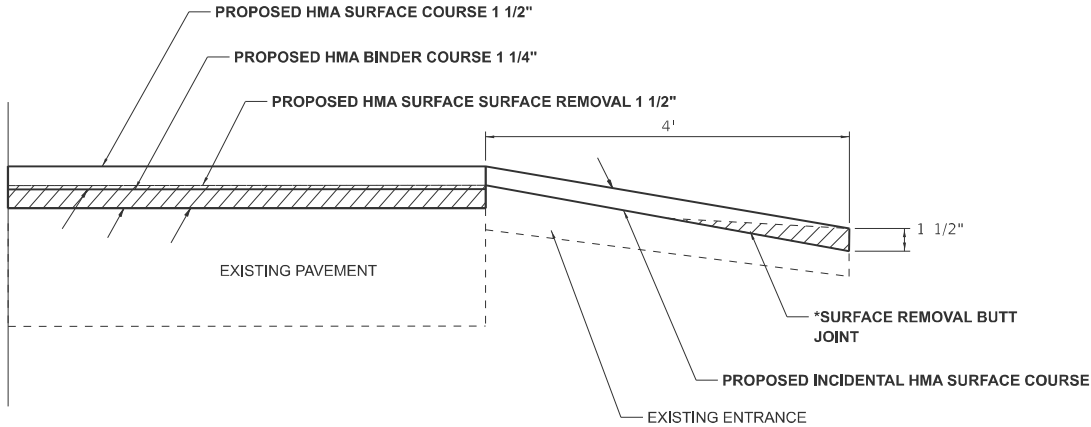
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PLOT DATE	= 7/29/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SWEETS DR. ADA RAMP TIE POINT			
SCALE: 1"=5'	SHEET 1	OF 1 SHEETS	STA. 32+65.32 TO STA. 34+15.32

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(5-3)RS-1	Jackson	10	9
CONTRACT NO. 78B54				
ILLINOIS FED. AID PROJECT				

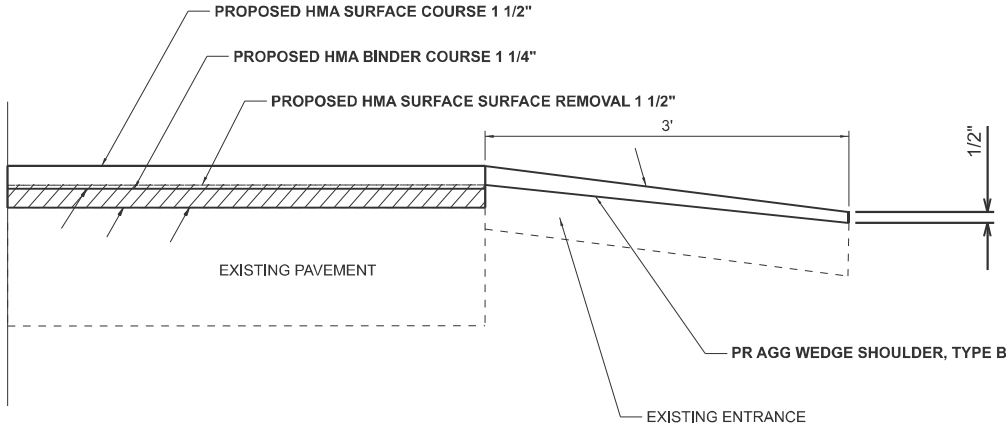
HMA OR PCC ENTRANCE



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STD. 9-

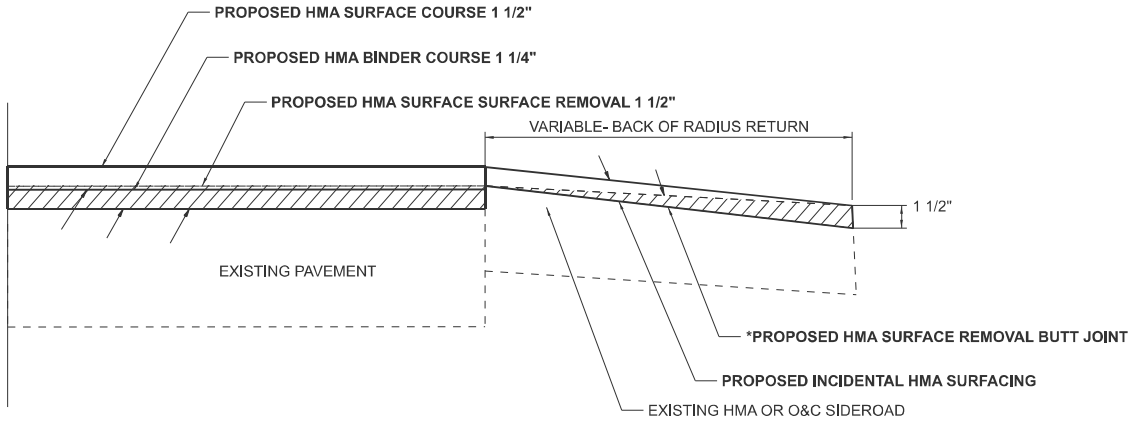
AGGREGATE ENTRANCE



DRAWN	
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STD. 9-

HMA, PCC, OR OIL AND CHIP SIDEROADS WITH BUTT JOINT



DRAWN	
REVISED	
REVISED	
REVISED	

STD. 9-

1. IF THE EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDEROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
2. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.
3. *SURFACE REMOVAL BUTT JOINT ON ENTRANCES IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/23/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND SIDEROAD DETAIL

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(5-3)RS-1	Jackson	10	10
CONTRACT NO. 78B54				
ILLINOIS FED. AID PROJECT				