

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6,6-1)RS-3	WILLIAMSON	13	1
		ILLINOIS	CONTRACT NO. 78B10	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-6

TRAFFIC DATA
2023 ADT = 325

TOWNSHIPS
EAST MARION

PROPOSED
HIGHWAY PLANS

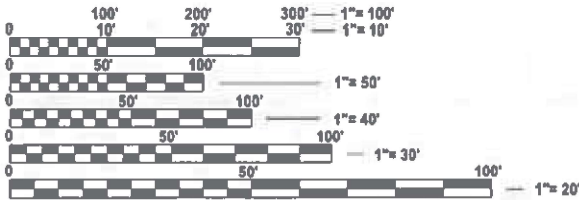
FAP ROUTE 331 (Moellers Rd.)
SECTION (6,6-1)RS-3

RESURFACING
WILLIAMSON COUNTY
C-99-044-25

IMPROVEMENT BEGINS
STA 21+46

COORDINATE SYSTEM : EPSG: 102671
NAD 1983 STATE PLANE ILLINOIS EAST FIPS 1201 FEET

POSTED SPEED LIMIT: 40 MPH

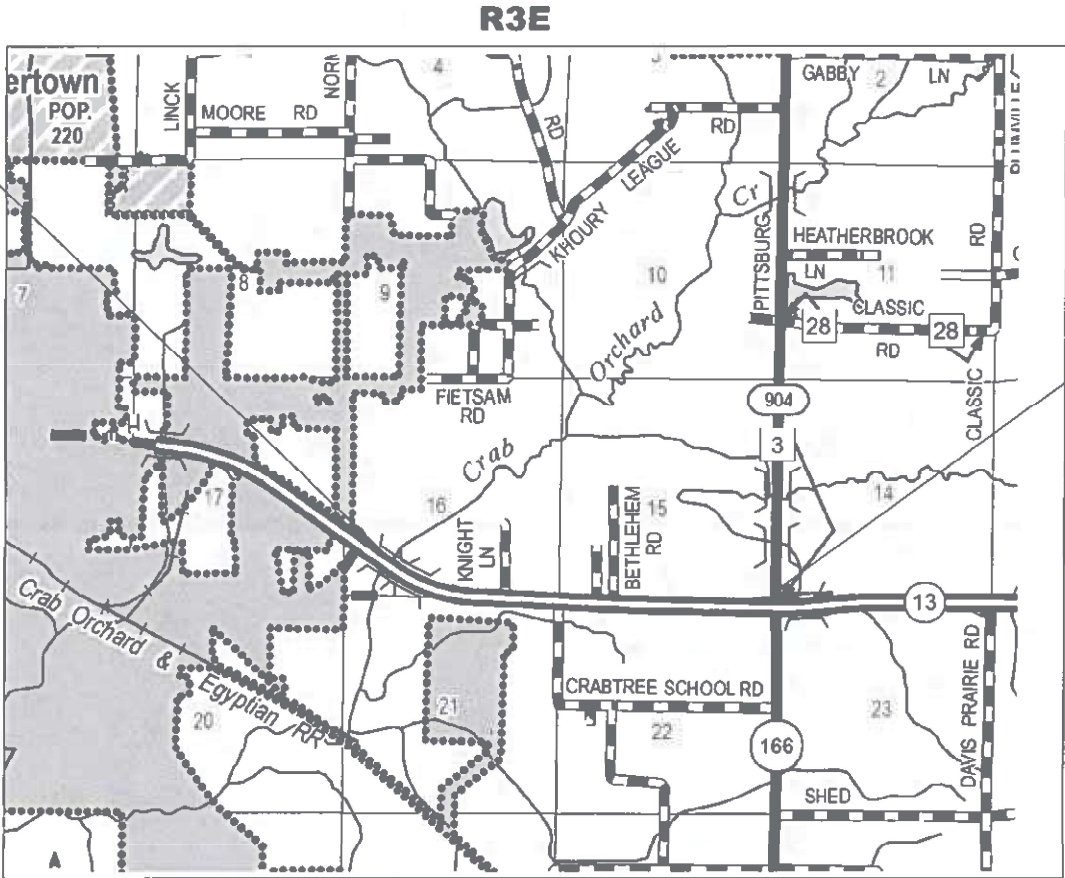


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: NATHAN TAYLOR
PROJECT DESIGNER: ROBERT HANDY

CONTRACT NO. 78B10



GROSS LENGTH = 8,125.00 FT. = 1.54 MILE
NET LENGTH = 8,125.00 FT. = 1.54 MILE



IMPROVEMENT ENDS
STA 102+71

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 31 20 25
Dora S. Ronsman REGIONAL ENGINEER

March 21 20 25
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 25
[Signature] 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: Signature (Sheet)
FILE NAME: c:\pwworking\handy\csd\1043410\0978B10-ShA-Cover_Sig.dgn

USER NAME	▪ robert.handy	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	▪ 1/13/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6.6-1)RS-3	WILLIAMSON	13	2
CONTRACT NO. 78B10				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: A. M.
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C.
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: B. K. W.
DISTRICT CONSTRUCTION ENGINEER

Examined By: A. N.
DISTRICT MATERIALS ENGINEER

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, MTD RESTRICTIONS AND LIST OF COMMITMENTS
4	MIXTURE REQUIREMENTS
5-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTION
8	RESURFACING & SHOULDER SCHEDULE
9	PAVEMENT MARKING, ENTRANCE & SIDEROAD, PATCHING, AND DRAINAGE SCHEDULES
10	CULVERT REPLACEMENT PLAN
11	BUTT JOINT DETAILS, ROUGH GROVE SURFACE SIGNAGE, & UNEVEN LANES SIGNAGE
12	SIDEROAD & ENTRANCE DETAILS
13	TEMPORARY HOT-MIX ASPHALT TRANSITIONS

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 ASPHALT 2.016 TONS/CU. YD.

ALL AGGREGATE 2.05 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

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

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

INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE PAVED IN A SEPARATE OPERATION FROM THE MAINLINE PAVEMENT

EARTH EXCAVATION REQUIRED IN THE CONSTRUCTION OF THE PIPE CULVERT CLASS C TYPE 1 , 42" AT STATION 38+60.52 WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF PIPE CULVERT CLASS C, TYPE 1, 42"

ALL LOCATIONS OF DISTURBED EARTH THAT THE ENGINEER DETERMINES WILL REQUIRED SEEDING AS A RESULT OF THE PIPE CULVERT REMOVAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH ARTICLE 250.01 OF THE STANDARD SPECIFICATIONS. THE COST OF SEEDING SHALL BE INCIDENTAL TO THE COST OF PIPE CULVERT CLASS C, TYPE 1, 42"

COMMITMENTS: NONE

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 420001-10 PAVEMENT JOINTS
- 442201-03 CLASS C & D PATCHES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 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
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-10 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

MTD CROSSING RESTRICTIONS TABLE

SIZE OF BOX & CENTERLINE STATION ROUTE (IL 13)			EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MAXIMUM GROSS WEIGHT RESTRICTIONS	MTD CROSSING RESTRICTIONS
			FOOT	FOOT	TONS	
CULVERTS						
4FT X 5FT	- STA	83+75	1	1.1	40	NO MTD

REV - MS

MODEL: Index-General_Standards [Sheet]
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		DRAWN -	REVISED -					331	(6.6-1)RS-3	WILLIAMSON	13	3
		CHECKED -	REVISED -					CONTRACT NO. 78B10				
	PLOT DATE = 1/30/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project

Locations	Hot-Mix Asphalt Surface Course / Incidental HMA
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N50
PG:	PG64-22
Design Air Voids:	4.0 %, 50 Gyraton Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	Mix C
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	1000 tons / Incidental QCQA - TBD
Material Transfer Device (Required?)	Yes

Locations	Hot-Mix Asphalt Binder Course / Pavement Patching
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-19.0, N50
PG:	PG64-22
Design Air Voids:	4.0 %, 50 Gyraton Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	1000 tons
Material Transfer Device (Required?)	Yes – Binder No - Patching

MODEL: Mix Design (Sheet)
FILE NAME: c:\p\work\pwrtd\handy\rd1043410\DG78B10-ShrB-Index_GenNotes.dgn

SUMMARY OF QUANTITIES

COUNTY:	WILLIAMSON
ROUTE:	FAP 331
FUNDING:	100% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	
20800150	TRENCH BACKFILL	CU YD	50
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,638
40600370	LONGITUDINAL JOINT SEALANT	FOOT	8,126
40600405	MATERIAL TRANSFER DEVICE	TON	3,581
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400
40600990	TEMPORARY RAMP	SQ YD	255
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,145
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	1,480
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	80
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	16,754
44201398	CLASS C PATCHES, TYPE I, 14 INCH	SQ YD	5
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	37
44201407	CLASS C PATCHES, TYPE III, 14 INCH	SQ YD	23
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	539
50105220	PIPE CULVERT REMOVAL	FOOT	35

MODEL: SQQ-1 [Sheet]
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	USER NAME = robert.handy	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					331	(6,6-1)RS-3	WILLIAMSON	13	5
		CHECKED -	REVISED -					CONTRACT NO. 78B10				
	PLOT DATE = 1/15/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331
FUNDING:	100% STATE
LOCATION:	RURAL
	ROADWAY
	0005

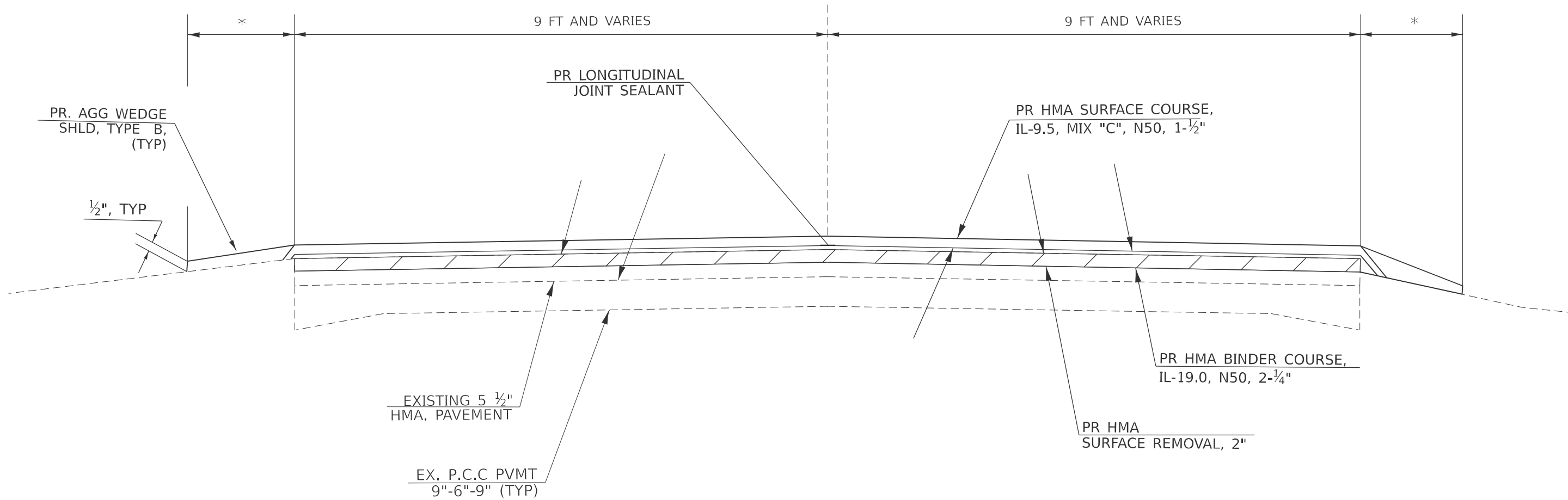
CODE NUMBER	ITEM DESCRIPTION	UNIT	
542C0247	PIPE CULVERTS, CLASS C, TYPE 1 42"	FOOT	42
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	76
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,382
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	461
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	20,264
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	60
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	20,264
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	60
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	6,815
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1

* SPECIALTY ITEM

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		DRAWN -	REVISED -					331	(6,6-1)RS-3	WILLIAMSON	13	6
		CHECKED -	REVISED -					CONTRACT NO. 78B10				
	PLOT DATE = 1/14/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

CL
MOELLERS ROAD
FAP 331



TO BE USED:
STA 21+46 TO STA 102+71

* NOTE: SEE RESURFACING & SHOULDER
SCHEDULE FOR AGG WEDGE WIDTHS

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		DRAWN -	REVISED -						331	(6,6-1)RS-3	WILLIAMSON	13	7
		CHECKED -	REVISED -						CONTRACT NO. 78B10				
	PLOT DATE = 1/14/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Resurface-Mainline-Sldr (Sheet)
FILE NAME: c:\p\work\willardhandy\cld1043410\DD78B10-SHE-Schedules.dgn

RESURFACING & SHOULDER SCHEDULE																
LOCATION STATION TO STATION			LENGTH	ROADWAY WIDTH	AGGREGATE SHOULDER WIDTH		TEMP RAMP	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2-1/4")	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1-1/2")	BIT MATL (TACK COAT)	MTD	LNG JOINT SEALANT	AGG SHLD WEDGE, TYPE B	HMA SURFACE REMOVAL BUTT JOINT	NOTE
					LT	RT										
					FOR INFORMATIONAL PURPOSE ONLY											
MOELLERS RD			FT	FT	FT	FT	SQ YD	SQ YD	TON	TON	POUND	TON	FOOT	TON		
WILLIAMSON COUNTY																
21+46.00	TO	22+63.02	VARIES	VARIES	3	3	80	620	79	53	419	132	118	8	80	CALCULATED SURFACE AREA= 620 YD^2
22+63.02	TO	28+00.00	537	18	3	2		1,074	137	95	725	232	537	30		
28+00.00	TO	29+35.00	135	18	2	3		270	35	24	183	59	135	8		
29+35.00	TO	31+50.00	215	18	2	2		430	55	38	291	93	215			
31+50.00	TO	33+00.00	150	18	3	3		300	39	27	203	66	150	10		
33+00.00	TO	34+50.00	150	18	2	2		300	39	27	203	66	150	7		
34+50.00	TO	37+55.00	305	18	3	5		610	78	54	412	132	305	28		
37+55.00	TO	38+65.00	110	18	2	2		220	29	20	149	49	110	5		
38+65.00	TO	40+00.00	135	18	3	4		270	35	24	183	59	135	11		
40+00.00	TO	53+00.00	1,300	18	2	2		2,600	332	228	1,755	560	1,300	58		
53+00.00	TO	57+00.00	400	18	3	4		800	102	71	540	173	400	32		
57+00.00	TO	57+75.00	75	18	2	2		150	20	14	102	34	75	4		
57+75.00	TO	62+75.00	500	18	2	2		1,000	128	88	675	216	500	23		
62+75.00	TO	68+00.00	525	18	2	2		1,050	134	93	709	227	525	24		
68+00.00	TO	69+25.00	125	18	2	4		250	32	22	169	54	125	9		
69+25.00	TO	71+60.00	235	18	2	2		470	60	42	318	102	235	11		
71+60.00	TO	73+50.00	190	18	2	4		380	49	34	257	83	190	13		
73+50.00	TO	75+75.00	225	18	2	2		450	58	40	304	98	225	10		
75+75.00	TO	76+70.00	95	18	2	3		190	25	17	129	42	95	6		
76+70.00	TO	83+25.00	655	18	2	2		1,310	167	115	885	282	655	30		
83+25.00	TO	84+25.00	100	18	2	2		200	26	18	135		100	5		NO MTD @ STA 83+75 (5ft x 4ft SINGLE BARREL)
84+25.00	TO	88+75.00	450	18	2	2		900	115	79	608	194	450	20		
88+75.00	TO	96+00.00	725	18	2	3		1,450	185	128	979	313	725	41		
96+00.00	TO	98+00.00	200	18	2	2		400	51	36	270	87	200	9		
98+00.00	TO	102+00.00	400	18	2	9		800	102	71	540	173	400	49		
102+00.00	TO	102+71.00	71	VARIES	2	2	90	260	33	22	257	55	71	4	90	CALCULATED SURFACE AREA= 260 YD^2
MOELLERS RD TOTAL							170	16,754	2,145	1,480	11,400	3,581	8,126	455	170	

USER NAME = robert.handy	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING & SHOULDER
SCHEDULE

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6,6-1)RS-3	WILLIAMSON	13	8
CONTRACT NO. 78B10				
ILLINOIS FED. AID PROJECT				

ENTRANCE SCHEDULE

LOCATION FAP 331 (MOELLERS RD)		ENT TYPE	EX. SURF	EOP	WIDTH 4' O/S	RDWY AREA	INCIDENTAL HMA SURFACING	AGG WEDGE SHLD, TYPE B	BIT. MATL (TACK COAT)	
			FOR INFO PURPOSES ONLY					TON	TON	POUND
			TYPE	FT	FT	SQ YD				
ENTRANCES										
22+25	LT	CE	HMA	20	20	9	2		5	
22+50	LT	PE	HMA	30	25	13	2		6	
25+46	LT	PE	HMA	45	35	18	3		9	
28+64	LT	PE	HMA	70	55	28	4		13	
30+10	LT	PE	HMA	30	30	14	2		7	
32+22	LT	PE	HMA	40	30	16	2		8	
35+35	LT	PE	HMA	55	40	22	3		10	
36+75	LT	PE	AGG	45	30	17		2		
39+12	LT	CE	HMA	70	50	27	4		13	
42+80	LT	PE	AGG	45	35	18		7		
46+25	LT	PE	AGG	40	30	16		7		
47+75	LT	PE	AGG	50	25	17		2		
48+80	RT	CE	HMA	200	55	57	7		26	
54+00	LT	PE	AGG	45	35	18		9		
56+20	LT	PE	AGG	40	25	15		9		
60+00	LT	PE	AGG	20	20	9		4		
69+45	LT	PE	CONC	60	50	25	3		12	
71+75	LT	PE	CONC	25	20	10	2		5	
72+45	LT	PE	CONC	25	20	10	2		5	
73+00	LT	PE	HMA	45	30	17	2		8	
76+00	LT	PE	AGG	35	20	13		2		
76+58	LT	PE	AGG	35	30	15		6		
89+50	LT	PE	AGG	30	20	12		6		
92+40	LT	PE	AGG	35	25	14		6		
94+55	LT	PE	HMA	35	20	13	2		7	
96+60	LT	PE	AGG	50	35	19		5		
100+50	LT	CE	AGG	430	410	187		19		
MOELLERS RD TOTAL							40	84	134	

SIDE ROAD SCHEDULE

LOCATION			EXIST. SURFACE	EOP WIDTH	WIDTH AT 15' OFFSET	ROADWAY AREA	TEMP RAMP	HMA SURFACE REMOVAL -BUTT JOINT	INCIDENTAL HMA SURFACING	BIT. MATL (TACK COAT)
			FOR INFO PURPOSE ONLY							
			SURF	(FT)	(FT)	(SQ YD)		(SQ YD)	(SQ YD)	(TON)
MOELLERS ROAD										
LT.	35+35	KNIGHTS LANE	HMA	65	20	71	29	71	12	32
LT.	58+17	WATKINS LANE	HMA	60	30	75	27	75	13	34
LT.	62+33	BETHLEHAM	HMA	65	35	84	29	84	15	38
SIDE ROAD TOTALS							85	230	40	104

PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION			LENGTH (INFO. ONLY)	PAINT PAVEMENT MARKING				
				LINE 4"				24" LANE
				EOP LT & RT	LEFT OF CL	CENTER LINE	RIGHT OF CL	INTERSECTION STOP BAR
				SOLID WHITE	SOLID YELLOW	SKIP-DASH YELLOW	SOLID YELLOW	SOLID WHITE
MOLLERS ROAD			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
22+63	TO	64+40	4,177	8,354		1,045		30
64+40	TO	72+00	760	1,520		190	760	
72+00	TO	76+45	445	890	445		445	
76+45	TO	83+50	705	1,410	705	177		
83+50	TO	102+71	1,921	3,842		481		30
SUB TOTALS				16,016	1,150	1,893	1,205	
MOELLERS RD TOTALS				20,264				60

DRAINAGE SCHEDULE

LOCATION STATION TO STATION		TRENCH BACKFILL	PIPE CULVERTS CLASS C, TYPE I, 42"	PRECAST REINFORCED CONCRETE FLARED END SECTION 42"	PIPE CULVERT REMOVAL	CLASS C PATCHING, TY III 14 INCH
		CU YD	FOOT	EACH	FOOT	SQ YD
EXISTING 42" CMP						
38+71.67 @ 16.07 LT TO		38+48.00 @ 18.06 RT	50	42	2	35
TOTAL			50	42	2	35

PATCHING SCHEDULE

PATCH #	DIRECTIONAL LANE	DISTANCE FROM END	LENGTH	WIDTH	AREA	CLASS C PATCHING, TY I 14 INCH	CLASS C PATCHING, TY II 14 INCH
INFORMATION ONLY							
		MILE	FT	FT	SQ	SQ YD	SQ YD
1	WB	0.0	15	5	8.3		9
2	WB	0.4	5	9	5.0		5
3	WB	0.8	5	9	5.0		5
4	WB	0.8	4	9	4.0	4	4
5	WB	1.2	5	9	5.0		5
6	EB	0.9	5	9	5.0		5
TOTALS:						4	33
GROWTH FACTOR: 10%						1	4
TOTAL WITH GROWTH FACTOR:						5	37

MODEL: Entrance-SideRoad Schedule [Sheet]
FILE NAME: c:\pwworking\handyrod\043410\DG78B10-SHE-Schedules.dgn

USER NAME = robert.handy	DESIGNED -	REVISED -
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PLOT DATE = 1/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING, ENTRANCE & SIDEROAD, DRAINAGE, AND PATCHING SCHEDULES			
SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6,6-1)RS-3	WILLIAMSON	13	9
CONTRACT NO. 78B10				
ILLINOIS		FED. AID PROJECT		



PR CONC FLARED
END SECTIONS, 42"
MATCH EXISTING FLOWLINE

STA 38+71.67
OFFSET: 16.07 LT

STA 38+60.52
MOELLERS RD

38

SIGN IN ACCORDANCE WITH BLR 22-7

METHOD 1 CONSTRUCTION
PIPE CULVERT (CMP), 42", TYPE 1

STA 38+48.00
OFFSET 18.06 RT

39

SIGN IN ACCORDANCE WITH BLR 22-7

CLASS C PATCHING,
TY III, 14 INCH
(FOR REPAIR)

PIPE CULVERT REMOVAL

PR. CONC FLARED
END SECTIONS, 42"
MATCH EXISTING FLOWLINE

FOR INFORMATION ONLY

THE APPROXIMATE DEPTH OF EXCAVATION FROM
THE TOP OF PAVEMENT TO THE EXISTING
FLOWLINE IS 5'-3" +/- 4"



SCALE IN FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT REPLACEMENT PLAN

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

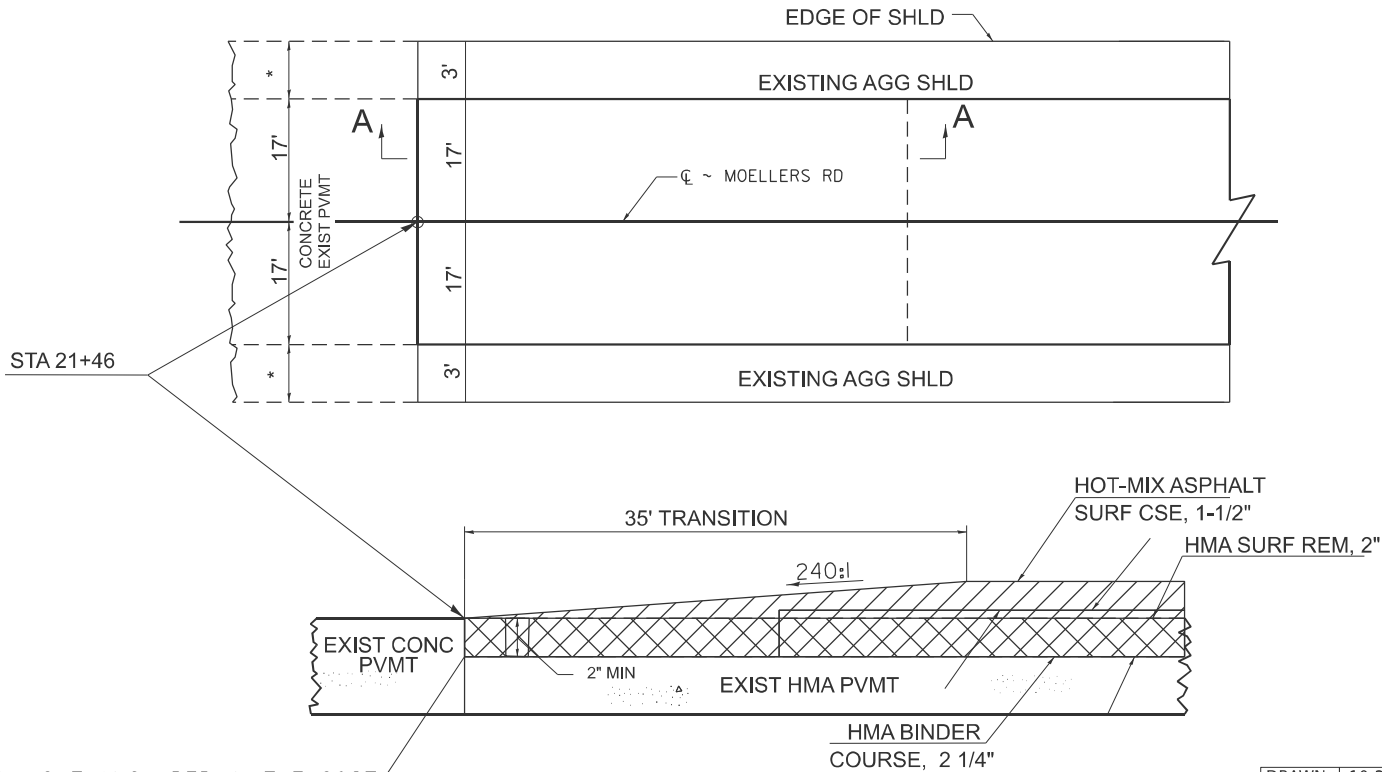
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6.6-1)RS-3	WILLIAMSON	13	10
CONTRACT NO. 78B10				
ILLINOIS FED. AID PROJECT				

MODEL: Drainage Replacement (Sheet)
FILE NAME: c:\p\work\williamson\handy\1043410\DS78B10-Shift-Drainage Plan.dgn

USER NAME	= robert.handy	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 1/31/2025	DATE	-	REVISED	-

BUTT JOINT WITH MILLING

BEGINNING OF PROJECT
N.T.S.



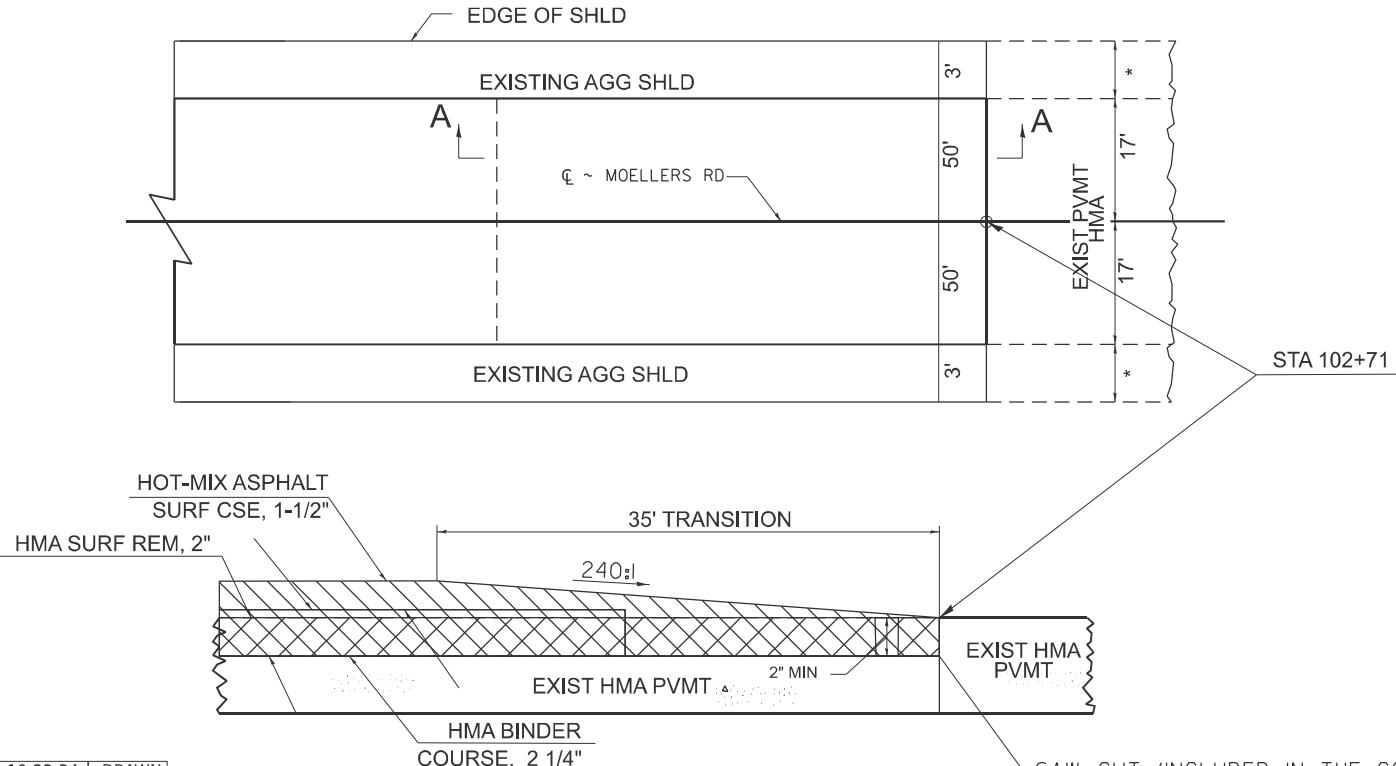
SAW CUT (INCLUDED IN THE COST
OF HMA SURFACE REMOVAL- 2")

SECTION A-A

DRAWN	10-22-24
REVISED	
REVISED	
REVISED	

BUTT JOINT WITH MILLING

END OF PROJECT
N.T.S.

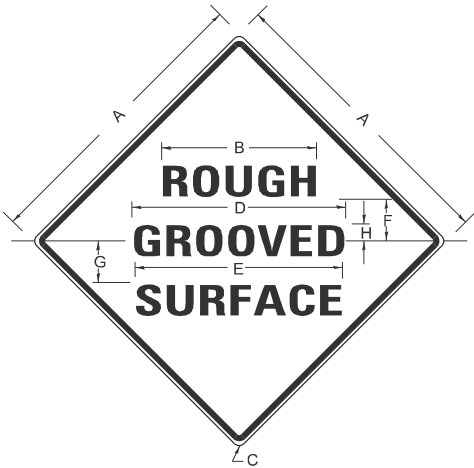


SAW CUT (INCLUDED IN THE COST
OF HMA SURFACE REMOVAL- 2")

SECTION A-A

10-22-24	DRAWN
	REVISED
	REVISED
	REVISED

ILLINOIS STANDARD
ROUGH GROOVED SURFACE SIGN



COLORS

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR- GIN	BOR- DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

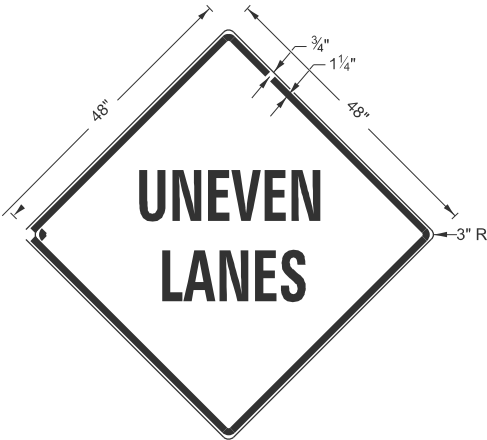
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-23

UNEVEN LANES SIGN
W8-11 (48" X 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-24

MODEL: Joint-Rough Groove-Uneven (Sheet)
FILE NAME: c:\paw\work\handy\handy\std 1043410\DWG\8810-SHS-District\Std.dgn

USER NAME	= robert.handy
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
PLOT DATE	= 1/14/2025

DESIGNED	-
REVISED	-
CHECKED	-
REVISED	-
DATE	-
REVISED	-

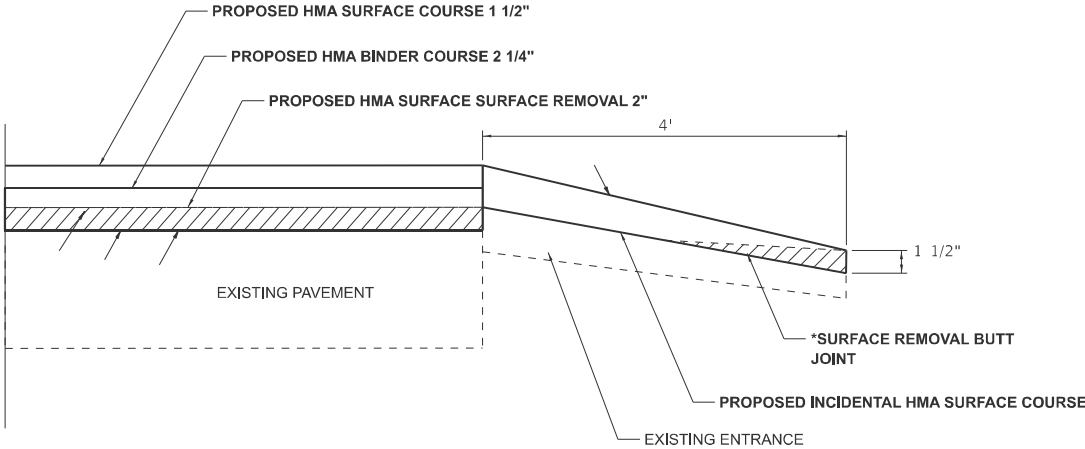
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS
ROUGH GROOVE SURFACE & UNEVEN LANE DETAILS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6,6-1)RS-3	WILLIAMSON	13	11
CONTRACT NO. 78B10				
ILLINOIS FED. AID PROJECT				

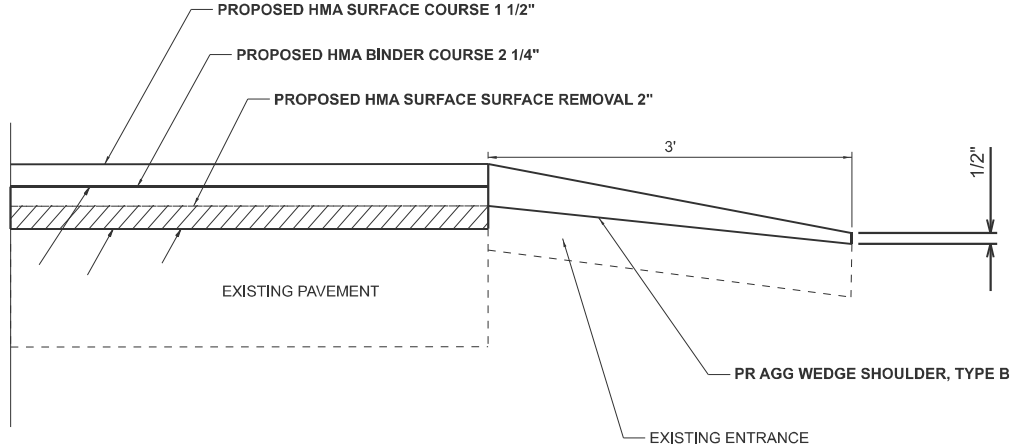
BITUMINOUS OR PCC ENTRANCE



DRAWN	1/10/25
REVISED	
REVISED	
REVISED	

STD. 9.

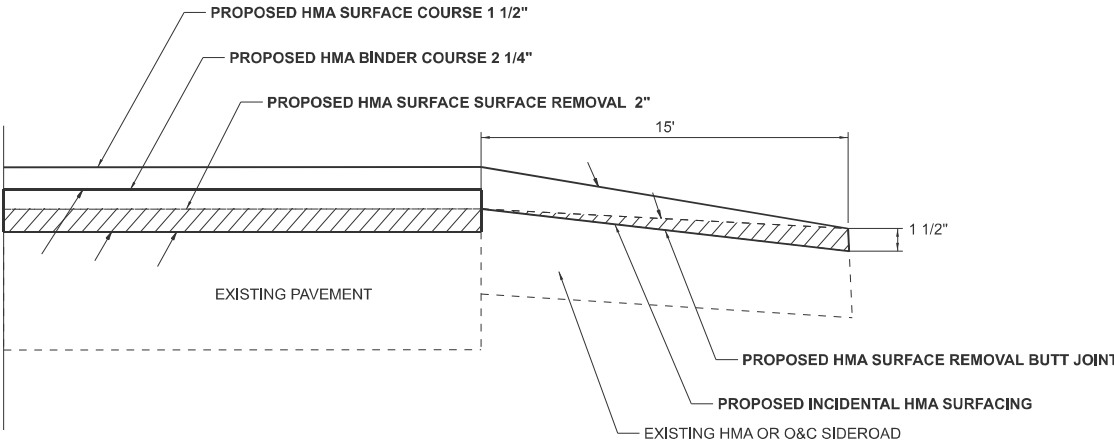
AGGREGATE ENTRANCE



RAWN	1/10/25
REVISED	
REVISED	
REVISED	

TD. 9-

HMA OR PCC SIDEROADS WITH BUTT JOINT



DRAWN	1/10/25
REVISED	
REVISED	
REVISED	

STD. 9-

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.

*SURFACE REMOVAL BUTT JOINT ON ENTRANCES SHALL BE INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

USER NAME = robert.handy	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

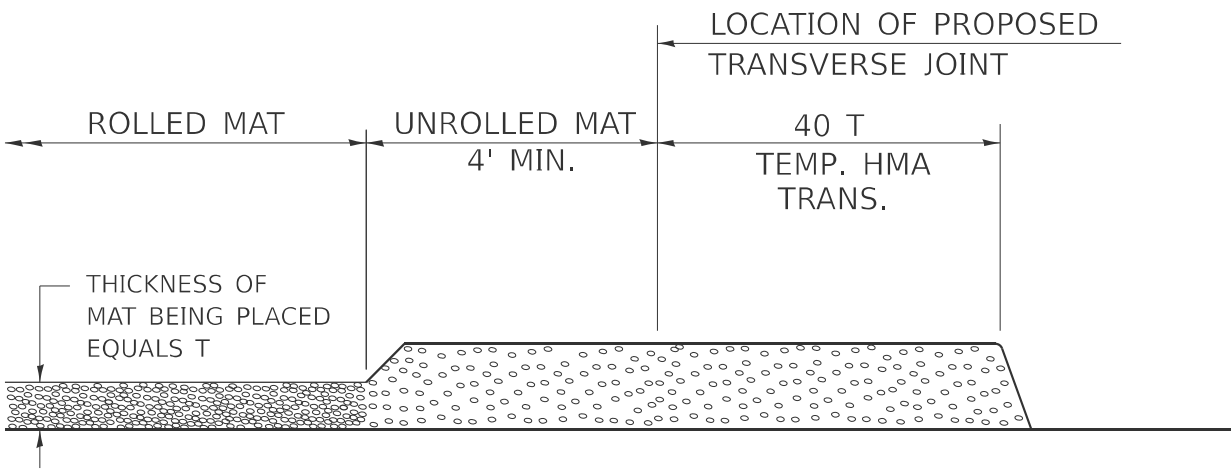
SIDEROAD AND ENTRANCE DETAIL

SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6,6-1)RS-3	WILLIAMSON	13	12
CONTRACT NO. 78B10				
ILLINOIS		FED. AID PROJECT		

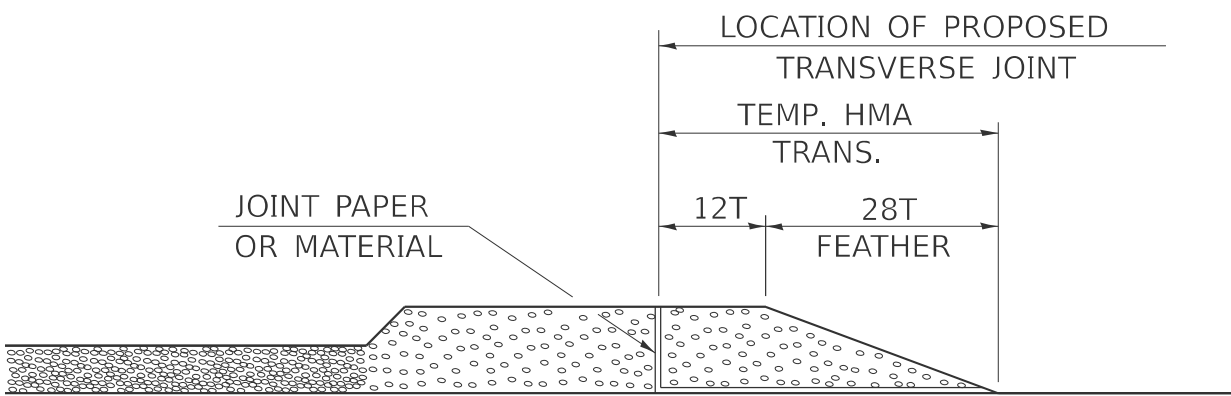
MODEL: SideRoad-Entrance [Sheet]
FILE NAME: c:\pw work\pwidot\handycr\d1043410\D978B10-Sh1S-DistrictSids.dgn

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



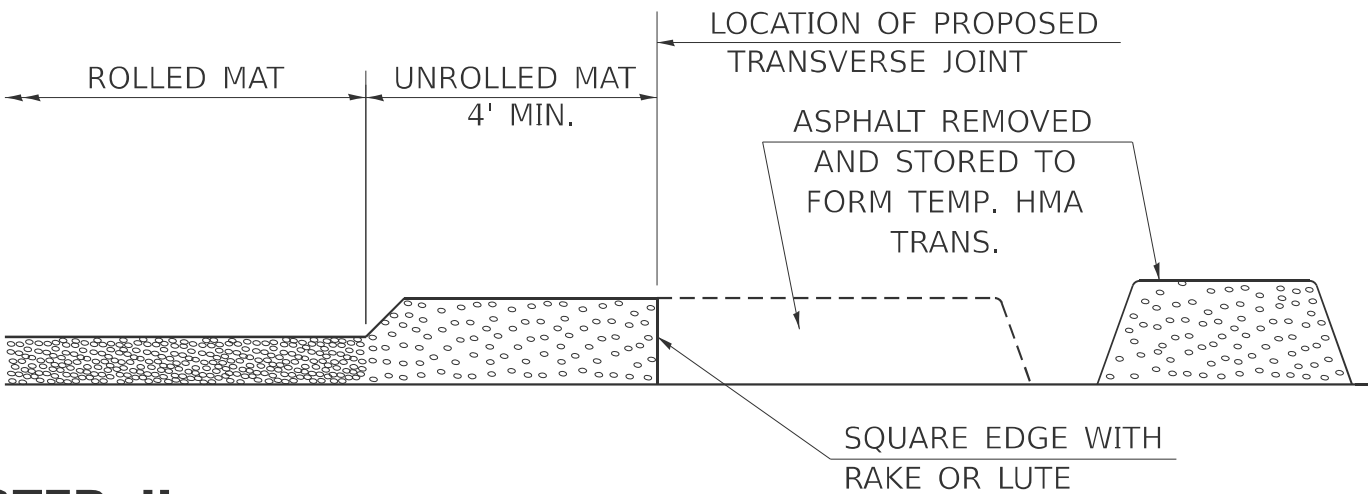
STEP I

- 1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
- 2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



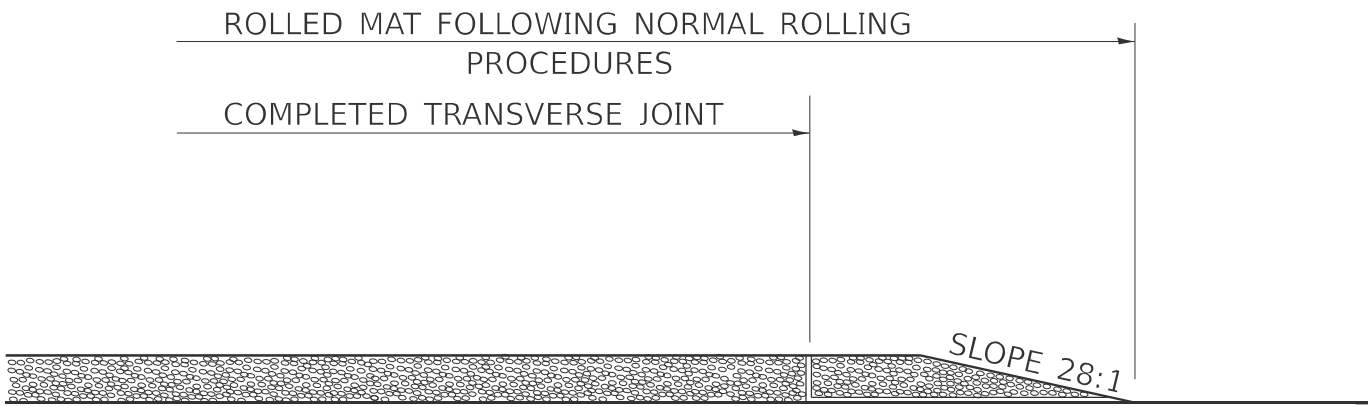
STEP III

- 1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
- 2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

- 1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
- 2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
- 3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

- 1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
- 2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
- 3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

STD. 9-26

REVISIONS

REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13
REVISED	10-21-21

MODEL: Temp HMA Transitions (Sheet)
FILE NAME: c:\pav_work\pavtd\handy\rd1043410\DG78B10-SHS-District\Std.sgn

USER NAME = robert.handy	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/14/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY HOT MIX ASPHALT TRANSITIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6.6-1)RS-3	WILLIAMSON	13	13
CONTRACT NO. 78B10				
ILLINOIS FED. AID PROJECT				