

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	1
		ILLINOIS	CONTRACT NO. 78A70	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA

IL - 37			
	2023	2025	2045
PV =	3,700	3,770	4,610
SU =	450	460	560
MU =	450	460	560
ADT =	4,600	4,690	5,730

EQUATION STATIONS : IL 37
EQ. PT STA. 583+38.22 (BK) = STA. 583+49.78 (AH)

OMISSION STATIONS: IL 37
STA. SN 044-0031 AT STA. 584+84.63 TO STA. 588+12.65

PROPOSED
HIGHWAY PLANS

FAP ROUTE 726 (IL 37)
SECTION 113RS-4
PROJECT STP-CXZB(835)
STANDARD OVERLAY
JOHNSON COUNTY

C-99-096-24

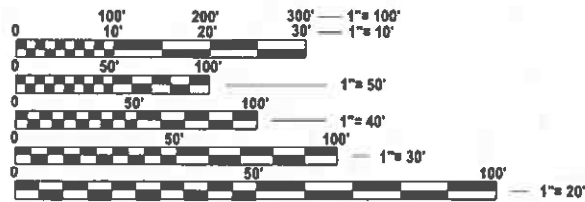


TOWNSHIPS
GOREVILLE

BEGIN IMPROVEMENT AT
JOHNSON COUNTY LINE
STATION 536+01

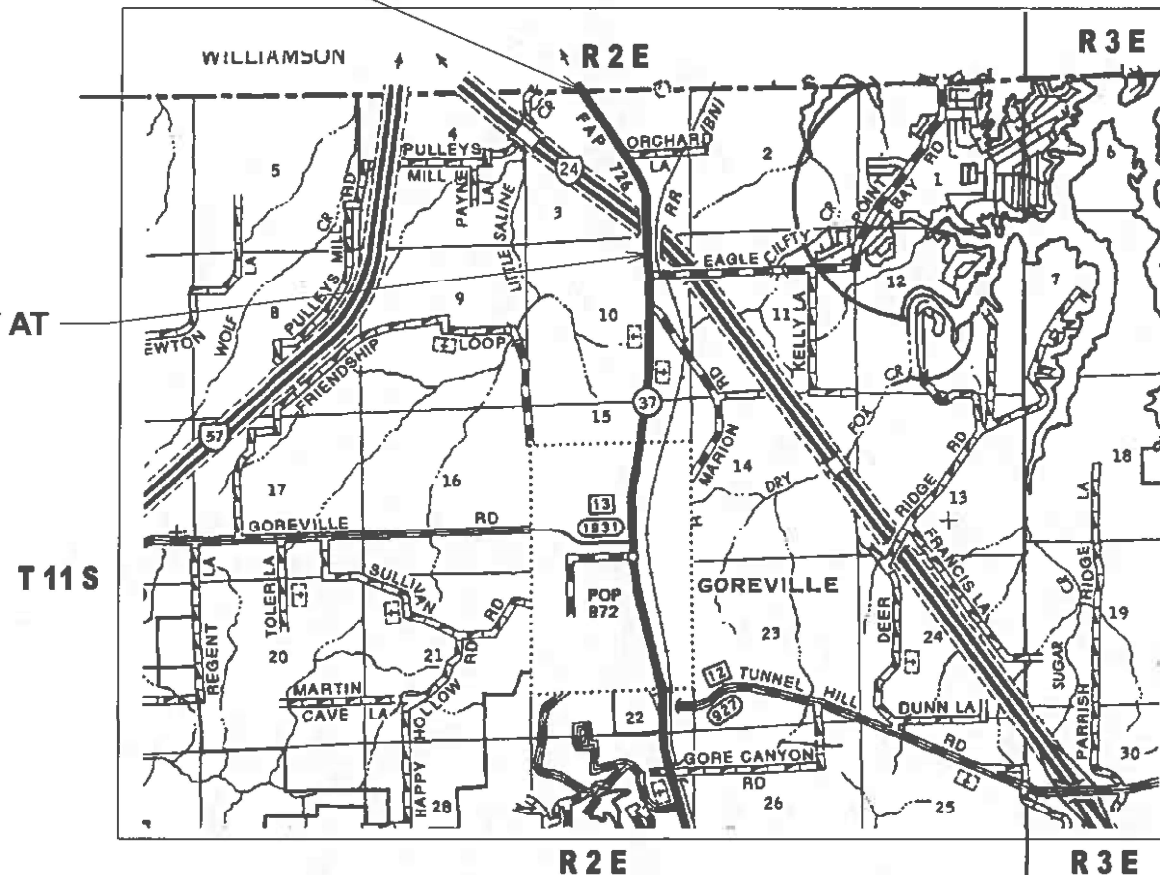
COORDINATE SYSTEM : N/A
POSTED SPEED : 55 MPH

END IMPROVEMENT AT
STATION 596+30



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 JOHN A. BRANDON - (618) 351-5319
PROJECT MANAGER VALERIE ROLLA - (618) 351-5214

GROSS LENGTH = 6,017.44 FT. = 1.140 MILE
NET LENGTH = 5689.42 FT. = 1.078 MILE

CONTRACT NO. 78A70

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 9, 2024
Kirk H. Brown
REGIONAL ENGINEER

October 4, 2024
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2024
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: Signature [Sheet]
FILE NAME: c:\work\paw\1110978A70-SHA-Cover_Sig.dgn

Prepared By: *Susan P*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Nancy J*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *C M*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *R C*
DISTRICT OPERATIONS ENGINEER

Examined By: *Daryl J*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Daryl J*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Aunt Hayes*
DISTRICT MATERIALS ENGINEER

USER NAME	= john.a.brandon	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/16/2024	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	2
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
4	HMA MIXTURE REQUIREMENTS TABLE & MTD CROSSING RESTRICTIONS TABLE
5-7	SUMMARY OF QUANTITIES
8	TYPICAL SECTIONS: IL 37
9-11	SCHEDULE OF QUANTITIES
12	DETAILS: BUTT JOINT & PAVEMENT TRANSITION DETAILS
13	DETAILS: RURAL SIDE APPROACH DETAILS
14	DETAILS: TEMPORARY HMA TRANSITIONS
15	DETAILS: ROUGH GROOVED SURFACE SIGN
16	DETAILS: UNEVEN LANES SIGN

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

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

WHEN SHOULDER RESURFACING OF 6 FEET OR LESS IS ALLOWED TO BE PLACED SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE, THE MAINLINE QUALITY MANAGEMENT PROGRAM WILL BE ENFORCED FOR THE MAINLINE AND SHOULDERS

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

COMMITMENTS: **NONE**

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS
- 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
- 442101-09 CLASS B PATCHES
- 442201-03 CLASS C & D PATCHES
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
- 701006-05 OFF-ROAD OPERATIONS, 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
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH OR MORE
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701336-07 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS 45MPH OR MORE
- 701901-09 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

MODEL: Index of Sheets - General Notes - Highway Standards (Sheet)
FILE NAME: c:\p\work\pav\johnbrandon\110978\110978\110978\110978\Index - GenNotes.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS				F.A.P RTE. 726	SECTION 113RS-4	COUNTY JOHNSON	TOTAL SHEETS 16	SHEET NO. 3
	DRAWN -	REVISED -						CONTRACT NO. 78A70				
	CHECKED -	REVISED -										
PLOT DATE = 7/25/2024	DATE -	REVISED -										
				SCALE:	SHEET	OF	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 Hot-Mix Asphalt Surfacing
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N70
PG:	PG64-22
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	Mix D
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	3,000 tons
Material Transfer Device	Yes

Locations	Hot-Mix Asphalt Binder Course
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-9.5FG, N70
PG:	PG64-22
Design Air Voids:	4.0%, 70 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	Yes

- CONT. HMA MIXTURE REQUIREMENTS TABLES

Locations	Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N30
PG:	PG64-22
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	3,000 tons
Material Transfer Device	No

MTD CROSSING RESTRICTIONS TABLE

ROUTE (IL 37) SN & CENTERLINE STATION			EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS: EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:
			FOOT	FOOT	
SN 100-0091	STA	531+83	N/A	N/A	(40 tons)
SN 044-0031	STA	586+52	N/A	N/A	(40 tons)

MODEL: HMA Mixture Requirements and MTD Crossing Restrictions Table (Sheet)
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		DRAWN -	REVISED -			726	113RS-4	JOHNSON	16	4
	CHECKED -	REVISED -				CONTRACT NO. 78A70				
	PLOT DATE = 7/16/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
						ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY:	COUNTY:	JOHNSON
ROUTE:	ROUTE:	(FAP 726) IL 37
FUNDING:	FUNDING:	80% FEDERAL 20% STATE
LOCATION:	LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,874	11,874
40600370	LONGITUDINAL JOINT SEALANT	FOOT	5,692	5,692
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	379	379
40600990	TEMPORARY RAMP	SQ YD	475	475
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	1,064	1,064
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1,288	1,288
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	27	27
42000060	WELDED WIRE REINFORCEMENT	SQ YD	367	367
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	9,403	9,403
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	388	388
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	334	334
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	33	33
44201298	DOWEL BARS 1 1/4"	EACH	1,060	1,060

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SUMMARY OF QUANTITIES - CONT

COUNTY:	COUNTY:	JOHNSON
ROUTE:	ROUTE:	(FAP 726) IL 37
FUNDING:	FUNDING:	80% FEDERAL 20% STATE
LOCATION:	LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
44201398	CLASS C PATCHES, TYPE I, 14 INCH	SQ YD	10	10
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	202	202
44201407	CLASS C PATCHES, TYPE III, 14 INCH	SQ YD	88	88
44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	169	169
44213200	SAW CUTS	FOOT	3,014	3,014
44213204	TIE BARS 3/4"	EACH	9	9
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	335	335
48203100	HOT-MIX ASPHALT SHOULDERS	TON	537	537
67100100	MOBILIZATION	L SUM	1.0	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28

MODEL: Summary of Quantities-1 (Sheet)
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SUMMARY OF QUANTITIES - CONT

COUNTY:	COUNTY:	JOHNSON
ROUTE:	ROUTE:	(FAP 726) IL 37
FUNDING:	FUNDING:	80% FEDERAL 20% STATE
LOCATION:	LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
				0005
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,568	2,568
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	858	858
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	17,030	17,030
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	17,030	17,030
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	89	89
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	89	89
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	5,681	5,681
X4430200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6,198	6,198
Z0034105	MATERIAL TRANSFER DEVICE	TON	2,352	2,352

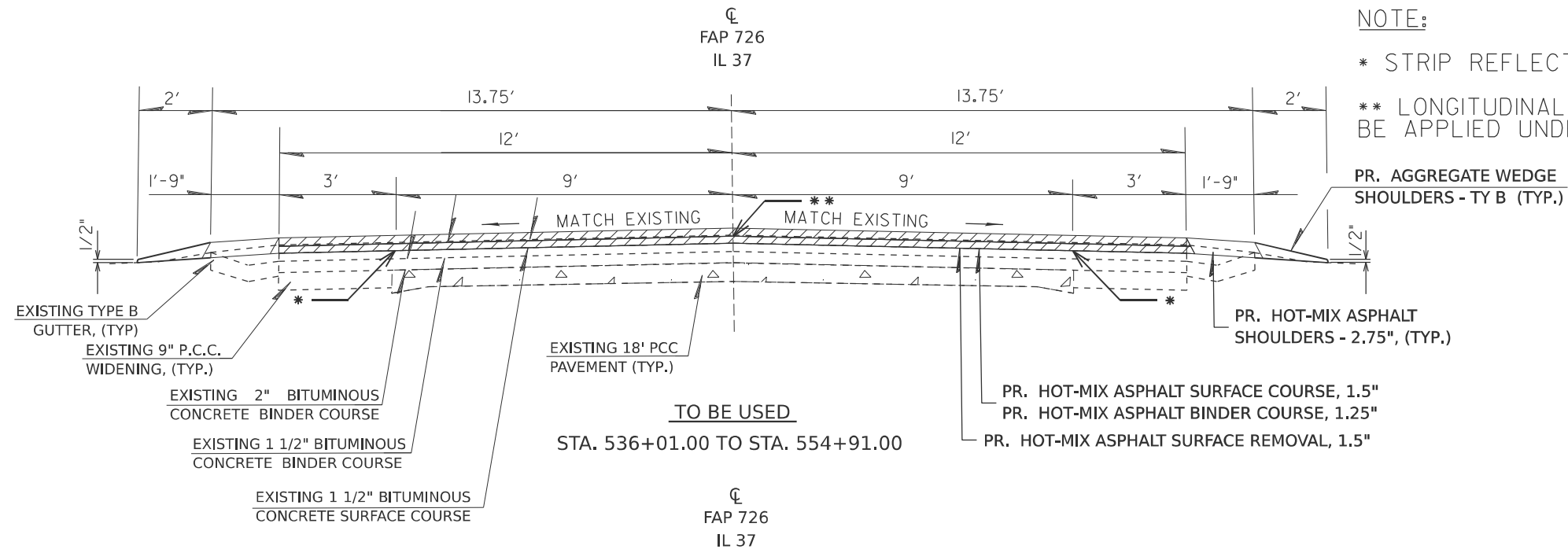
* SPECIALTY ITEM

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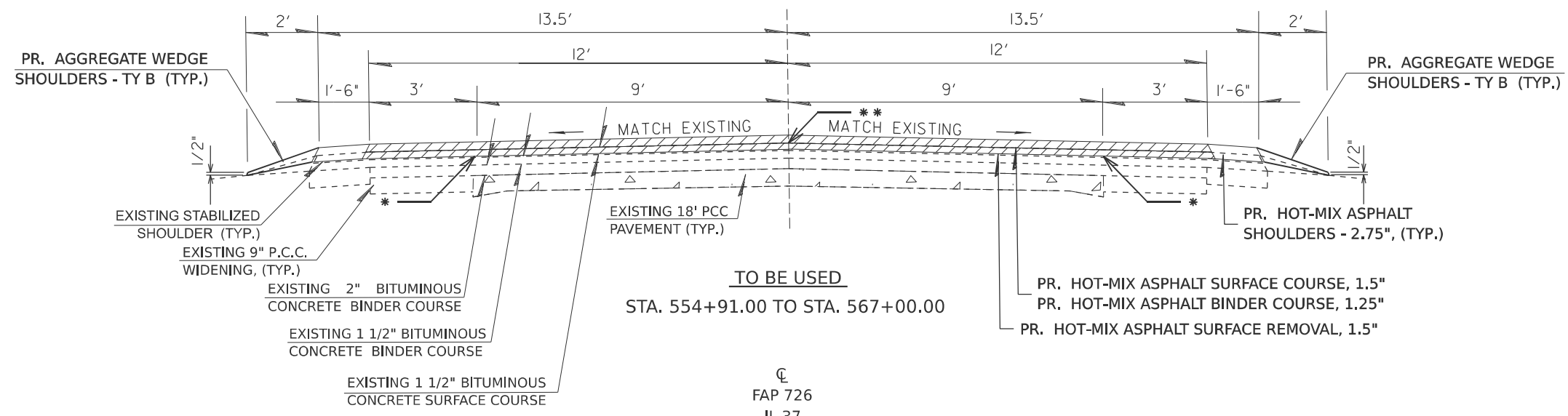
USER NAME = john.a.brandon	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	DRAWN -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.	726	113RS-4	JOHNSON	16	7
	CHECKED -	REVISED -		CONTRACT NO. 78A70										
PLOT DATE = 7/16/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

NOTE:

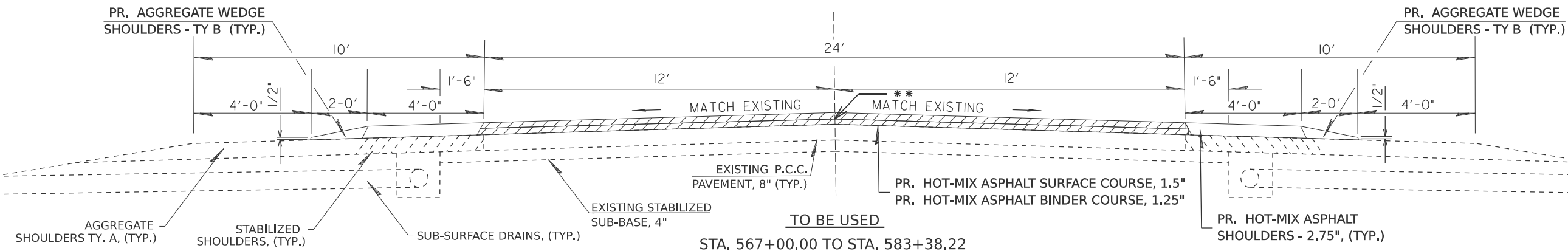
- * STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ** LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE.



TO BE USED
STA. 536+01.00 TO STA. 554+91.00



TO BE USED
STA. 554+91.00 TO STA. 567+00.00



TO BE USED
STA. 567+00.00 TO STA. 583+38.22

EQ. P.T. STA. 583+38.22 (BK) = STA. 583+49.78 (AH)
STA. 583+49.78 TO STA. 584+84.63
OMISSION - SN 044-0031 : STA. 584+84.63 TO STA. 588+12.65
STA. 588+12.65 TO STA. 596+30

MODEL: TYPICAL SECTIONS (Sheet)
FILE NAME: c:\p\work\113rs4\113rs4\113rs4.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					726	113RS-4	JOHNSON	16	8
	CHECKED -	REVISED -		CONTRACT NO. 78A70							
PLOT DATE = 7/16/2024	DATE -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CLASS C PATCHES SCHEDULE

LOCATION	PATCH	LENGTH	WIDTH	CLASS C PATCHES, TY I, 14"	CLASS C PATCHES, TY II, 14"	CLASS C PATCHES, TY III, 14"	CLASS C PATCHES, TY IV, 14"	COMMENTS: TO BE USED
<u>IL 37</u>	NO	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	
SB	1	30	12	0	0	0	40	HMA Overlay
SB	2	4	12	0	6	0	0	HMA Overlay
SB	3	6	12	0	8	0	0	HMA Overlay
SB	4	6	6	4	0	0	0	HMA Overlay
SB	5	10	6	0	7	0	0	HMA Overlay
SB	6	10	12	0	14	0	0	HMA Overlay
SB	7	6	12	0	8	0	0	HMA Overlay
SB	8	8	12	0	11	0	0	HMA Overlay
SB	9	40	5	0	0	23	0	HMA Overlay
SB	10	15	6	0	10	0	0	HMA Overlay
SB	11	6	12	0	8	0	0	HMA Overlay
SB	12	6	12	0	8	0	0	HMA Overlay
SB	13	6	12	0	8	0	0	HMA Overlay
SB	14	6	12	0	8	0	0	HMA Overlay
SB	15	6	12	0	8	0	0	HMA Overlay
SB	16	20	12	0	0	0	27	HMA Overlay / PCC Pvt Joint
NB	17	20	12	0	0	0	27	HMA Overlay
NB	18	6	12	0	8	0	0	HMA Overlay
NB	19	8	12	0	11	0	0	HMA Overlay
NB	20	10	6	0	7	0	0	HMA Overlay
NB	21	40	6	0	0	0	27	HMA Overlay
NB	22	6	12	0	8	0	0	HMA Overlay
NB	23	40	5	0	0	23	0	HMA Overlay
NB	24	4	4	2	0	0	0	HMA Overlay
NB	25	6	6	4	0	0	0	HMA Overlay
NB	26	6	12	0	8	0	0	HMA Overlay
NB	27	36	5	0	0	20	0	HMA Overlay
NB	28	6	12	0	8	0	0	HMA Overlay
NB	29	15	6	0	10	0	0	HMA Overlay
NB	30	4	12	0	6	0	0	HMA Overlay
NB	31	6	12	0	8	0	0	HMA Overlay
NB	32	6	12	0	8	0	0	HMA Overlay
NB	33	6	12	0	8	0	0	HMA Overlay
NB	34	6	12	0	8	0	0	HMA Overlay
NB	35	16	12	0	0	22	0	HMA Overlay
NB	36	36	12	0	0	0	48	HMA Overlay / PCC Pvt Joint
TOTALS:				10	202	88	169	

CLASS B PATCHES SCHEDULE

LOCATION	PATCH	LENGTH	WIDTH	CLASS B PATCHES, TY II, 8"	CLASS B PATCHES, TY III, 8"	CLASS B PATCHES, TY IV, 8 "	DOWEL BARS, 1 1/4"	WELDED WIRE REINFORCE - MENT	TIE BARS 3/4"	SAW CUTS
<u>IL 37</u>	NO	FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	EACH	FOOT
SB	1	8	12	11	0	0	20	0	0	52
SB	2	6	12	8	0	0	20	0	0	48
SB	3	8	12	11	0	0	20	0	0	52
SB	4	8	12	11	0	0	20	0	0	52
SB	5	11	12	0	15	0	20	15	0	58
SB	6	8	12	11	0	0	20	0	0	52
SB	7	6	12	8	0	0	20	0	0	48
SB	8	10	12	14	0	0	20	0	0	56
SB	9	12	12	0	16	0	20	16	0	60
SB	10	6	12	8	0	0	20	0	0	48
SB	11	10	12	14	0	0	20	0	0	56
SB	12	12	12	0	16	0	20	16	0	60
SB	13	12	12	0	16	0	20	16	0	60
SB	14	12	12	0	16	0	20	16	0	60
SB	15	10	12	14	0	0	20	0	0	56
SB	16	10	12	14	0	0	20	0	0	56
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SB	20	10	12	14	0	0	20	0	0	56
SB	21	10	12	14	0	0	20	0	0	56
SB	22	10	12	14	0	0	20	0	0	56
SB	23	8	12	11	0	0	20	0	0	52
SB	24	6	12	8	0	0	20	0	0	48
SB	25	16	12	0	22	0	20	22	0	68
SB	26	12	12	0	16	0	20	16	0	60
NB	27	6	12	8	0	0	20	0	0	48
NB	28	10	12	14	0	0	20	0	0	56
NB	29	11	12	0	15	0	20	15	0	58
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NB	36	12	12	0	16	0	20	16	0	60
NB	37	12	12	0	16	0	20	16	0	60
NB	38	10	12	14	0	0	20	0	0	56
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NB	40	10	12	14	0	0	20	0	0	56
NB	41	10	12	14	0	0	20	0	0	56
NB	42	10	12	14	0	0	20	0	0	56
NB	43	6	12	8	0	0	20	0	0	48
NB	44	10	12	14	0	0	20	0	0	56
NB	45	12	12	0	16	0	20	16	0	60
NB	46	25	12	0	0	33	20	33	9	86
NB	47	12	12	0	16	0	20	16	0	60
NB	48	12	12	0	16	0	20	16	0	60
NB	49	13	12	0	18	0	20	18	0	62
NB	50	15	12	0	20	0	20	20	0	66
NB	51	6	12	8	0	0	20	0	0	48
NB	52	13	12	0	18	0	20	18	0	62
NB	53	10	12	14	0	0	20	0	0	56
TOTALS:				388	334	33	1060	367	9	3014

NOTE: CLASS B PATCHES TO BE USED THROUGH THE PCC PAVEMENT.

MODEL: Class C Patches and Resurfacing Schedule (Sheet)
FILE NAME: c:\p\work\wtd\brandon\110978\10-SHE-Schedules.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/16/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	9
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION			LENGTH	HMA SURFACE REMOVAL-BUTT JOINT	HMA SURFACE REMOVAL, 1.5"	HMA BINDER COURSE, IL-9.5FG, N70, 1.25"	HMA SURFACE COURSE, IL 9-5, MIX "D", N70, 1.5"	HMA SHOULDERS, 2 3/4"	AGG WEDGE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT	STRIP-REFLECTIVE CRACK CONTROL	TEMP RAMP	COMMENTS	
STATION	TO	STATION	FOOT	SQ YD	SQ YD	TON	TON	TON	TON	POUND	TON	FOOT	FOOT	SQ YD		
IL 37																
536+01.00	TO	536+26.00	25.00	0	77	0	8	2	2	50	8	25	50	92	HMA SURFACE REMOVAL, 1.5"	
536+26.00	TO	554+91.00	1865.00	0	5699	352	420	112	78	3684	772	1865	3730	0		
554+91.00	TO	566+70.00	1179.00	0	3537	223	266	61	50	2300	489	1179	2358	0		
566+70.00	TO	567+00.00	30.00	0	90	10	7	2	2	59	17	30	60	0	TRANSITION	
567+00.00	TO	583+38.22	1638.22	0	0	309	369	225	68	3605	678	1639	0	0		
STATION EQUATION PT STA. 583+38.22 (BK) = STA. 583+49.78 (AH)																
583+49.78	TO	584+46.80	97.02	0	0	19	22	14	4	214	41	98	0	0		
584+46.80	TO	584+66.80	20.00	72	0	7	5	3	2	44	12	20	0	0	BUTT JOINT	
584+66.80	TO	584+84.63	17.83	64	0	0	6	3	2	40	6	18	0	107	BUTT JOINT	
OMISSION: SN 044-0031 AT STA. 584+84.63 TO STA. 588+12.65																
588+12.65	TO	588+30.48	17.83	64	0	0	6	3	2	40	6	18	0	107	BUTT JOINT	
588+30.48	TO	588+50.48	20.00	72	0	7	5	3	2	44	12	20	0	0	BUTT JOINT	
588+50.48	TO	595+75.00	724.52	0	0	137	164	100	30	1594	301	725	0	0		
595+75.00	TO	596+00.00	25.00	0	0	0	6	4	2	55	6	25	0	0	TRANSITION	
596+00.00	TO	596+30.00	30.00	107	0	0	4	5	2	66	4	30	0	107	BUTT JOINT	
TOTALS:					379	9403	1064	1288	537	246	11795	2352	5692	6198	413	

ENTRANCE SCHEDULE

LOCATION: FAP 726 (IL 37)	RT / LT	ENTRANCE TYPE	EXIST. SURFACE	EOP WIDTH	WIDTH AT 5' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING	BIT. MAT. (TACK COAT)	AGG. SHOULDER TY B	
			FOR INFORMATIONAL PURPOSE ONLY							
			TYPE	(FT)	(FT)	(SQ YD)	(TON)	(POUND)	(TON)	
ENTRANCES										
538+60	RT	PE	AGG.	45	3	13.3	0	0	0.7	
540+50	LT	PE	AGG.	30	25	15.3	0	0	0.8	
544+10	LT	PE	AGG.	30	25	15.3	0	0	0.8	
545+70	LT	PE	PCC	60	50	30.6	1.5	6.9	0	
547+00	LT	PE	HMA	35	30	18.1	0.9	8.2	0	
547+60	RT	PE	AGG.	35	30	18.1	0	0	0.9	
548+10	RT	PE	AGG.	30	25	15.3	0	0	0.8	
555+60	LT	PE	AGG.	35	30	18.1	0	0	0.9	
555+60	RT	PE	AGG.	30	25	15.3	0	0	0.8	
556+55	LT	PE	AGG.	40	35	20.8	0	0	1.1	
557+45	RT	PE	AGG.	35	25	16.7	0	0	0.9	
559+90	LT	PE	AGG.	30	25	15.3	0	0	0.8	
562+50	RT	PE	AGG.	40	30	19.4	0	0	1.0	
575+20	LT	CE	AGG.	80	65	40.3	0	0	3.8	
575+20	RT	PE	AGG.	45	35	22.2	0	0	2.1	
577+50	RT	CE	AGG.	80	65	40.3	0	0	3.8	
577+50	LT	PE	AGG.	45	35	22.2	0	0	2.1	
580+70	LT	PE	AGG.	40	30	19.4	0	0	1.8	
590+80	RT	PE	AGG.	30	25	15.3	0	0	1.5	
TOTAL							3	16	25	

MODEL: Side Road and Entrance Schedules (Sheet)
FILE NAME: c:\pwworking\brandon\110978470\Side-Schedules.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES			
SCALE:	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	10
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				

SIDE ROAD SCHEDULE

LOCATION: FAP 726 (IL 37)			EXIST. SURFACE	EOP WIDTH	WIDTH AT 15' OFFSET	ROADWAY AREA	INCIDENTAL IIMA SURFACING	BIT. MAT. (TACK COAT)	AGG. SHOULDER TY B	TEMPORARY RAMP
			FOR INFORMATIONAL PURPOSE ONLY						TON	POUND
SIDE ROADS				FOOT	FOOT	SQ YD				
LT	ORCHARD LANE	561+00	AGG.	50	25	62.5	11	29	29	28
RT	CARAWAY LANE	590+00	AGG.	60	30	75.0	13	34	35	34
TOTALS							24	63	64	62

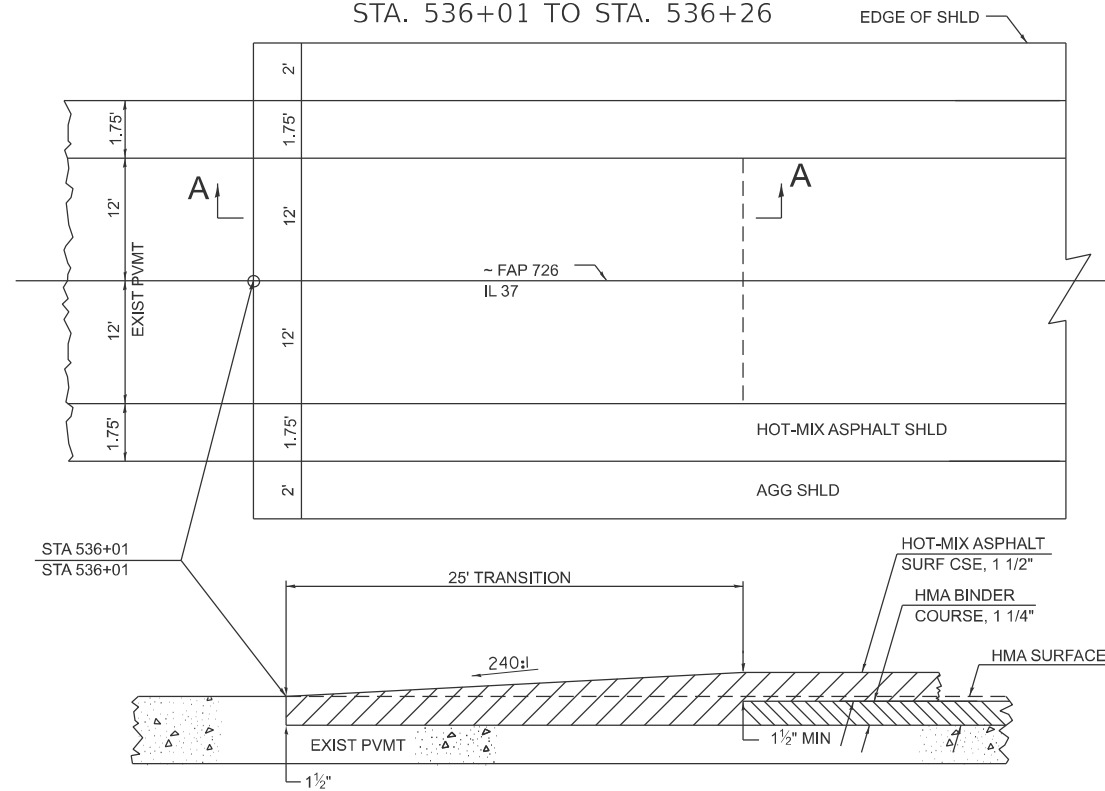
PAVEMENT MARKING AND RRPM SCHEDULE

LOCATION STATION TO STATION			LENGTH	PAINT PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING				PAVEMENT MARKING REMOVAL-GRINDNG	SHORT TERM PAVEMENT MARKING (*)	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE MARKER REMOVAL	COMMENTS	
				LINE-4"		LINE-4"		LINE-4"		LINE-4"								
		(E.O.P.)	(C.L.)		(E.O.P.)		(C.L.)											
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT	EACH	EACH		
IL 37																		
536+01.00	TO	542+70.00	669.0	1338	168			1338	168			502	302	101	10	10		
542+70.00	TO	546+70.00	400.0	800	100	400	LT	800	100	400	LT	434	180	60	6	6	NO PASSING NORTH BOUND	
546+70.00	TO	549+65.00	295.0	590			590	590			590	394	134	45	5	5	DOUBLE YELLOW	
549+65.00	TO	555+50.00	585.0	1170	147	585	RT	1170	147	585	RT	634	264	88	9	9	NO PASSING SOUTH BOUND	
555+50.00	TO	557+20.00	170.0	340	43			340	43			128	77	26	4	4		
557+20.00	TO	565+50.00	830.0	1660	208	830	LT	1660	208	830	LT	900	374	125	12	12	NO PASSING NORTH BOUND	
565+50.00	TO	568+20.00	270.0	540	68			540	68			203	122	41	5	5		
568+20.00	TO	580+00.00	1180.0	2360	295	1180	RT	2360	295	1180	RT	1279	531	177	16	16	NO PASSING SOUTH BOUND	
580+00.00	TO	583+38.22	338.2	677	85	339	LT	677	85	339	LT	367	153	51	6	6	NO PASSING NORTH BOUND	
STATION EQUATION PT STA. 583+38.22 (BK) = STA. 583+49.78 (AH)																		
583+49.78	TO	584+84.63	134.8	270	34	135	LT	270	34	135	LT	147	62	21	3	3	NO PASSING NORTH BOUND	
OMISSION: SN 044-0031 AT STA. 584+84.63 TO STA. 588+12.65																		
588+12.65	TO	590+50.00	237.3	475	60	238	LT	475	60	238	LT	258	108	36	4	4	NO PASSING NORTH BOUND	
590+50.00	TO	596+30.00	580.0	1160	145			1160	145			435	261	87	9	9		
SUB TOTALS				11380	1353	3707		590	11380	1353	3707		590	5681	2568	858	89	89
PROJECT TOTALS				17030				17030				5681	2568	858	89	89		

MODEL: Pavement Marking and RRPM Schedule (Sheet)
FILE NAME: c:\p\work\pav\brandon\111978a\70-Side-Schedules.dgn

BUTT JOINT WITH MILLING

STA. 536+01 TO STA. 536+26



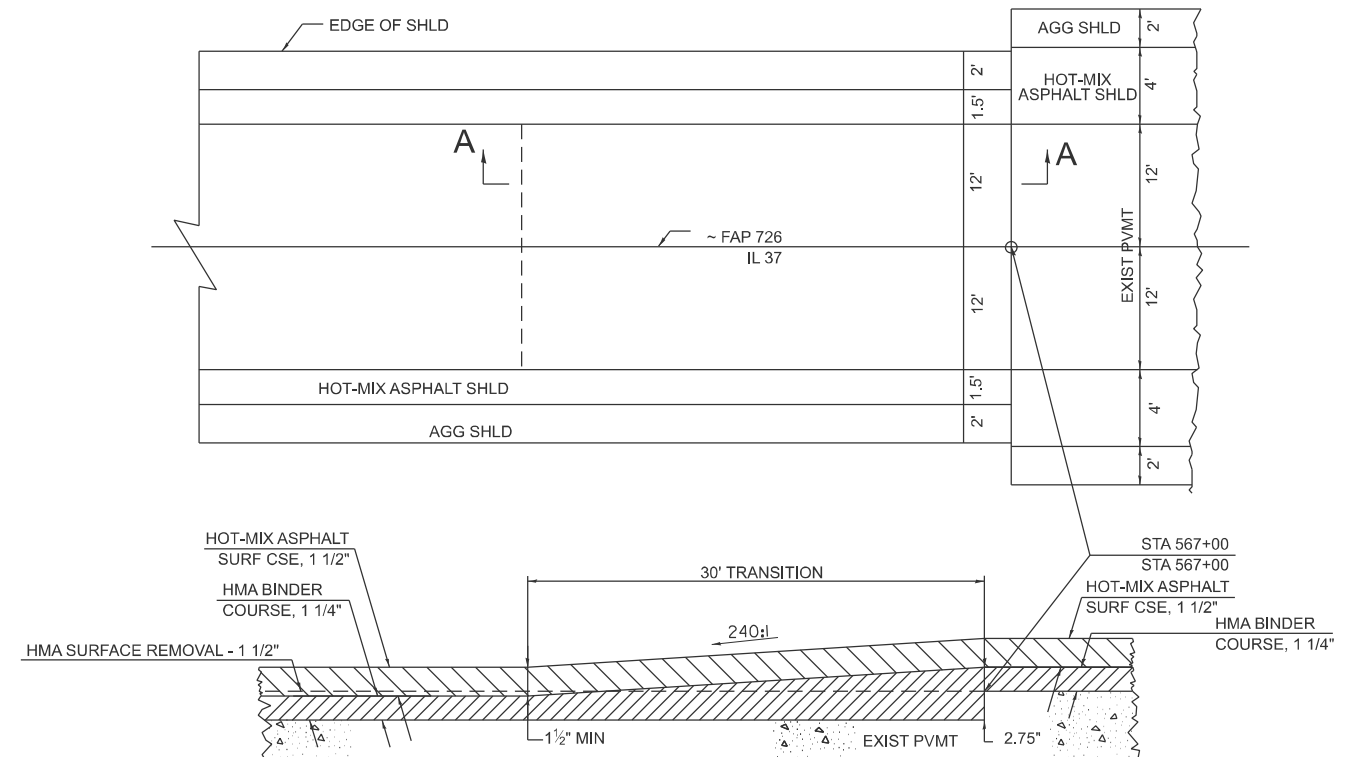
SECTION A-A

DRAWN	03-09-17
REVISED	02-18-20
REVISED	10-21-21
REVISED	05-26-22

STD. 9-14

PAVEMENT TRANSITION DETAIL

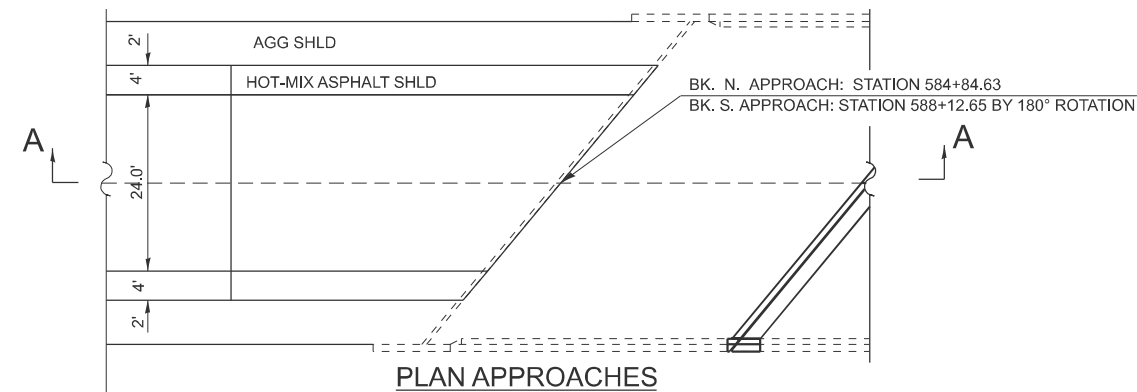
STA. 566+70 TO STA. 567+00



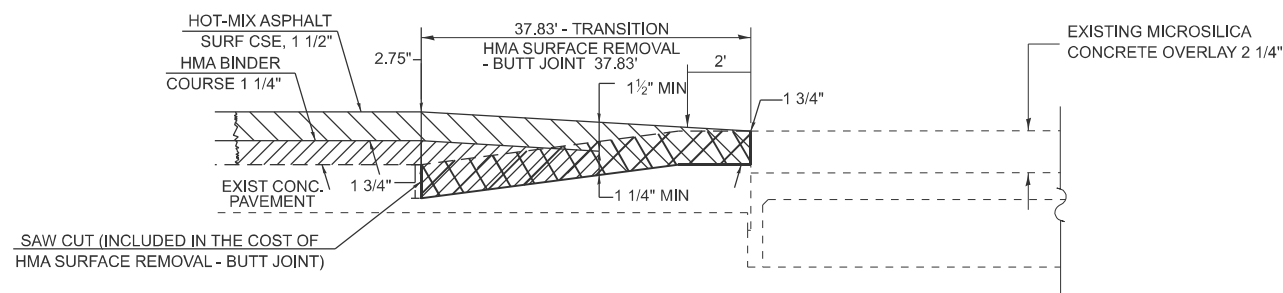
SECTION A-A

BUTT JOINT DETAILS

SN 044-0031



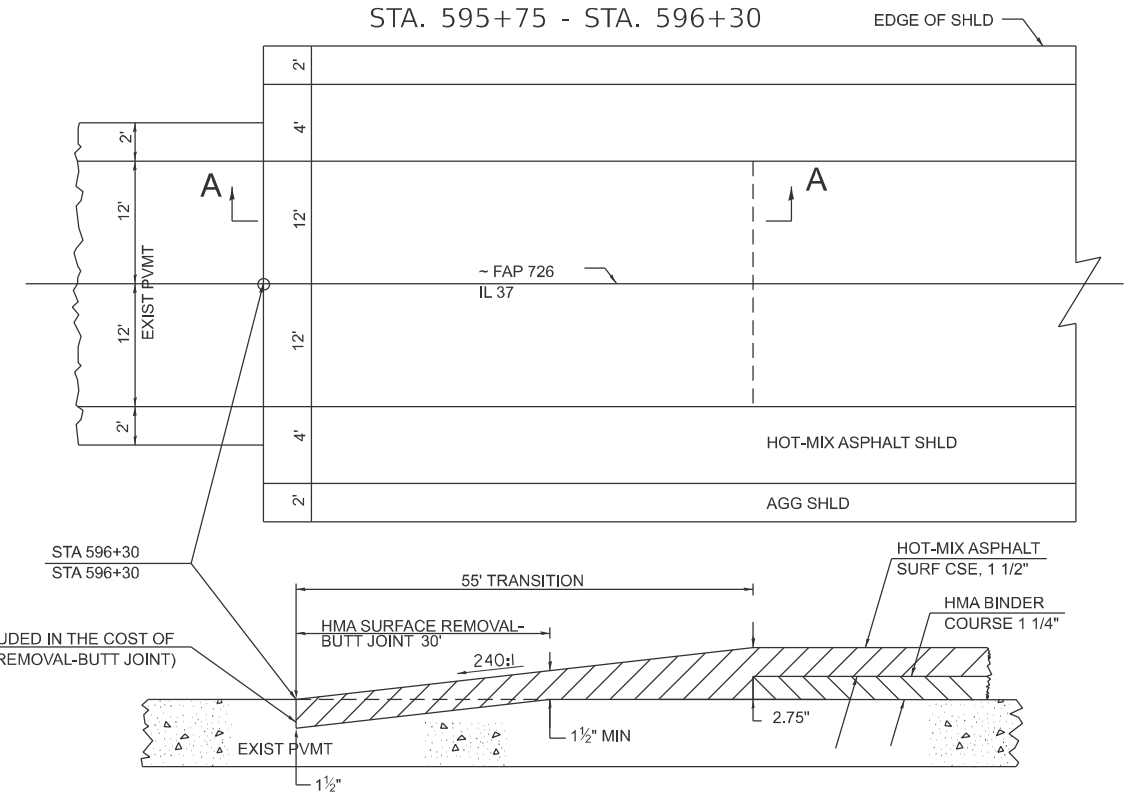
PLAN APPROACHES



SECTION A-A

BUTT JOINT DETAILS

STA. 595+75 - STA. 596+30



SECTION A-A

DRAWN	10-17-90
REVISED	03-25-08
REVISED	10-21-21
REVISED	05-26-22

STD. 9-15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT & PAVEMENT
TRANSITION DETAILS

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

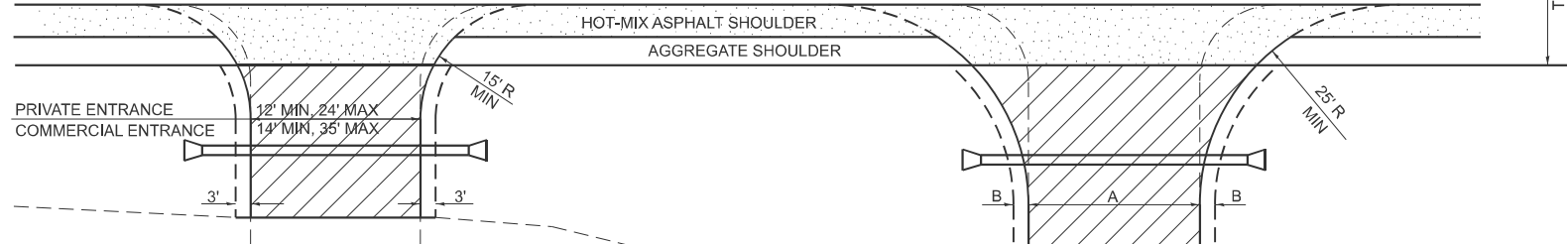
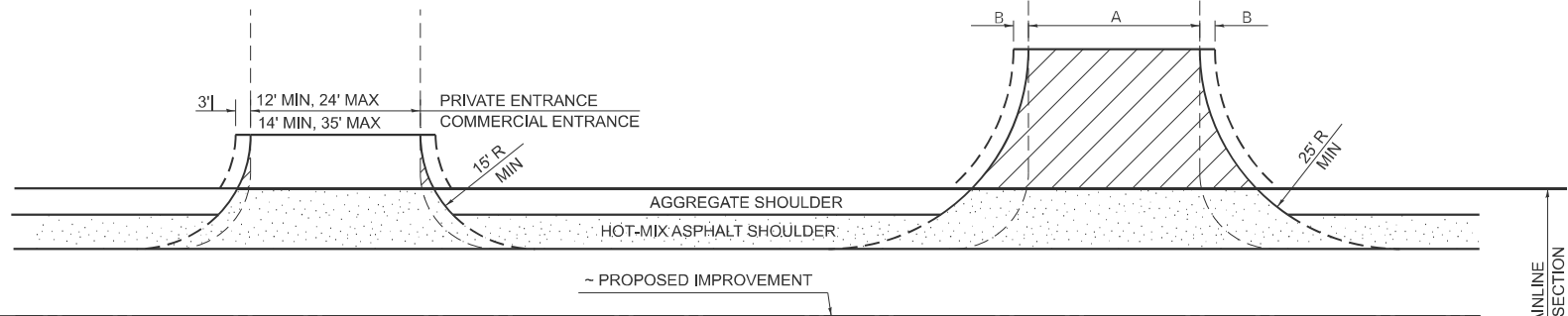
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	12
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				

MODEL: Butt Joint and Pavement Transition Detail (Sheet)
FILE NAME: c:\pwworking\brandon\jtd\0885511\0978A70_ShtS-District\Shts.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/16/2024	DATE -	REVISED -

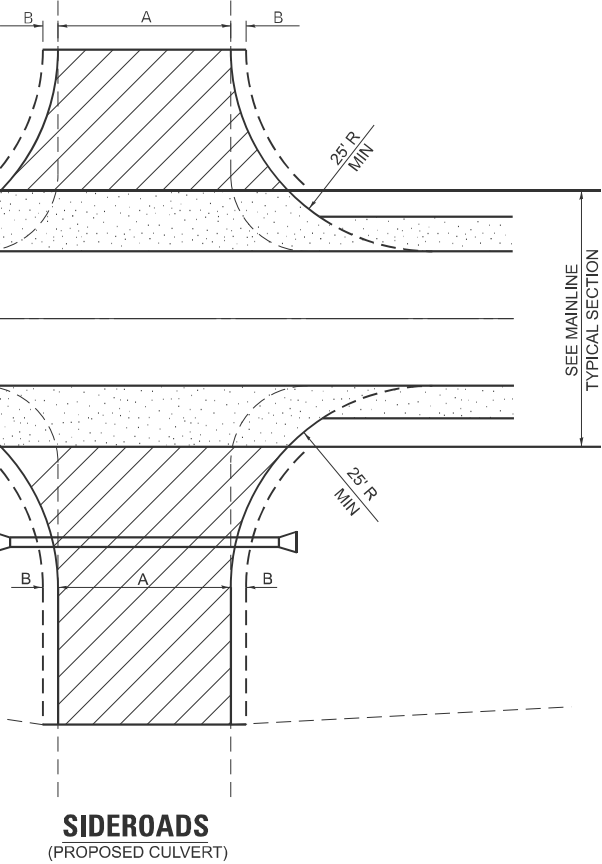
RURAL SIDE APPROACH DETAILS

PRIVATE AND COMMERCIAL ENTRANCES

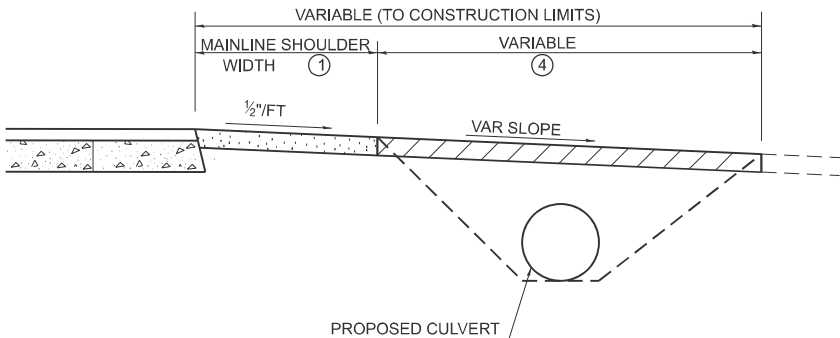
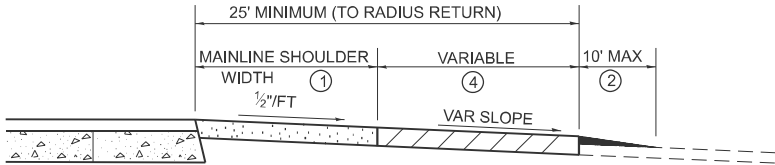


PRIVATE AND COMMERCIAL ENTRANCES (PROPOSED CULVERT)

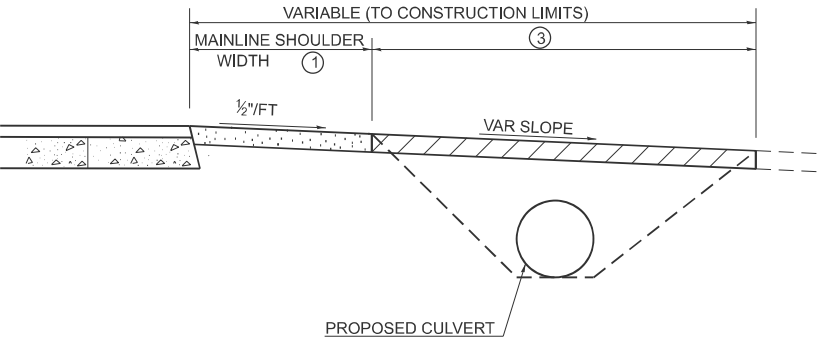
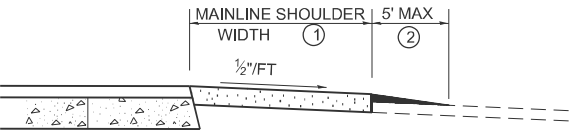
SIDEROADS



SIDEROADS



PRIVATE AND COMMERCIAL ENTRANCES



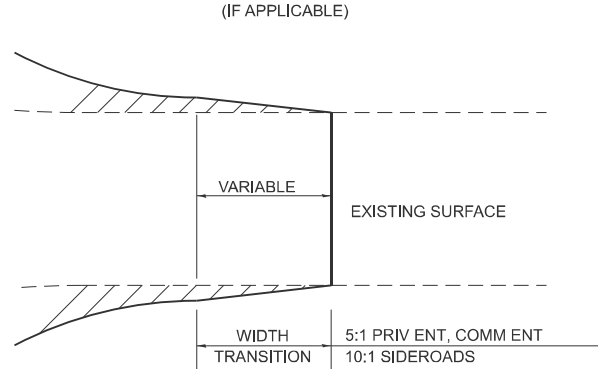
SIDEROAD DIMENSIONS (MIN.)

ADT	A (FT)	B (FT)
0 TO 250	18'	2'
250 TO 400	20'	2'
GREATER THAN 400	22'	4'

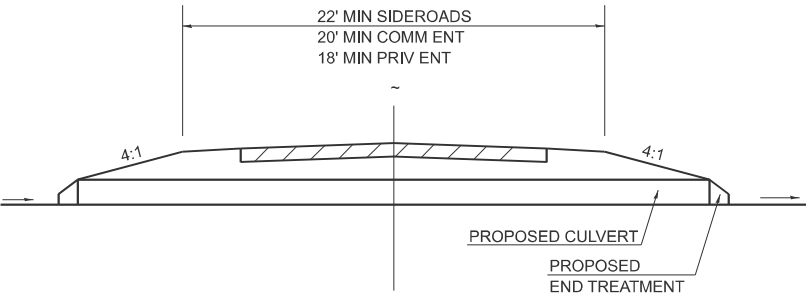
FIELD ENTRANCE TREATMENT

CONSTRUCT MAINLINE HOT-MIX ASPHALT AND AGGREGATE SHOULDERS THROUGH FIELD ENTRANCES. IF A PIPE IS REQUIRED, PROVIDE A 22' WIDE EARTH EMBANKMENT WITH 15' RADII AT THE INTERSECTION.

WIDTH TRANSITION DETAIL TO EXISTING



DETAIL FOR CALCULATING CULVERT LENGTH



LEGEND

- CONSTRUCT HOT-MIX ASPHALT SHOULDER "FULL SHOULDER WIDTH" THROUGH ENTRANCE/INTERSECTION UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- IF REQUIRED, AGGREGATE TAPER FOR EXISTING GRAVEL SURFACE; HOT-MIX ASPHALT TAPER FOR EXISTING HIGHER TYPE SURFACES.
- 6" AGGREGATE SURFACE COURSE FOR EXISTING GRAVEL SURFACE; 2" HOT-MIX ASPHALT RESURFACING ON 4" AGGREGATE BASE COURSE FOR EXISTING HOT-MIX ASPHALT SURFACE; PCC DRIVEWAY PAVEMENT (6" - PE; 7" - CE) FOR EXISTING CONCRETE SURFACE.
- 3" MINIMUM HOT-MIX ASPHALT RESURFACING ON 8" MINIMUM AGGREGATE BASE COURSE FOR EXISTING GRAVEL SURFACE OR OIL & CHIP SURFACE; MATCH EXISTING FOR EXISTING HIGHER TYPE SURFACES.

GENERAL NOTES

- ENTRANCE LOCATIONS ARE TO COMPLY WITH IDOT'S POLICY "ACCESS TO STATE HIGHWAYS".
- IN GENERAL, RELOCATED PRIVATE ENTRANCES ARE TO HAVE A 16' WIDE SURFACE WITH 3' WIDE SHOULDERS (22' WIDE EMBANKMENT).
- SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDEROADS. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.
- ENTRANCE PIPE CULVERTS ARE TO BE A MINIMUM 15" DIAMETER AND NORMALLY REPLACED IN KIND; SIDEROAD PIPE CULVERTS ARE GENERALLY TO BE CONCRETE (18" MINIMUM DIAMETER).
- THE INTERSECTION RADII OF SIDEROADS SHALL BE AS SHOWN ON THE PLANS.

STD. 9-20

MODEL: Rural Side Approach Details (Sheet)
FILE NAME: c:\p\work\john.a.brandon\11D978A1-ShtS-District\Sdas.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISD -
	DRAWN -	REVISD -
	CHECKED -	REVISD -
PLOT DATE = 7/16/2024	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RURAL SIDE APPROACH DETAILS

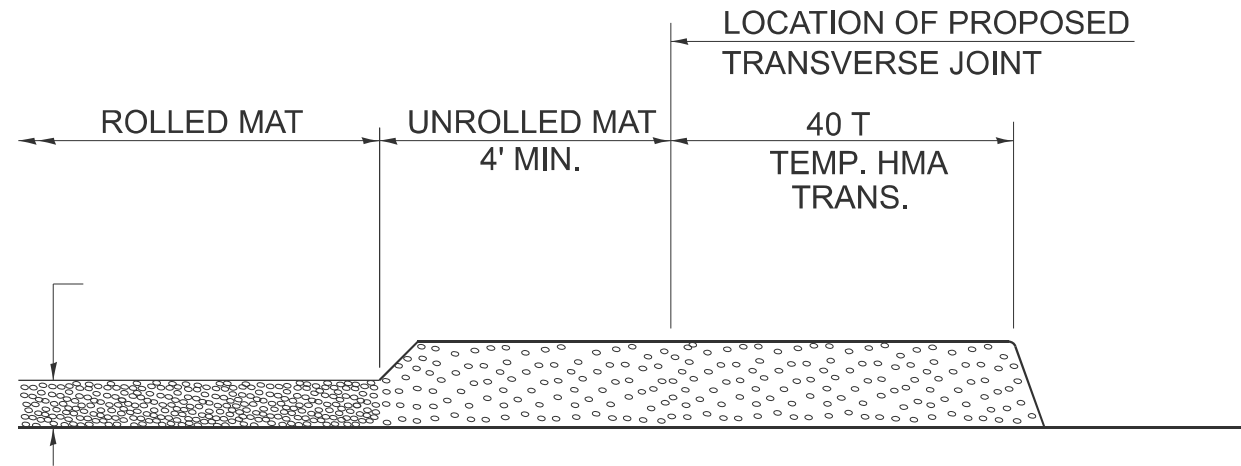
SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 726	SECTION 113RS-4	COUNTY	TOTAL SHEETS 16	SHEET NO. 13
CONTRACT NO. 78A70			ILLINOIS FED. AID PROJECT	

DRAWN	03-05-91
REVISED	01-20-00
REVISED	10-21-21
REVISED	05-27-22

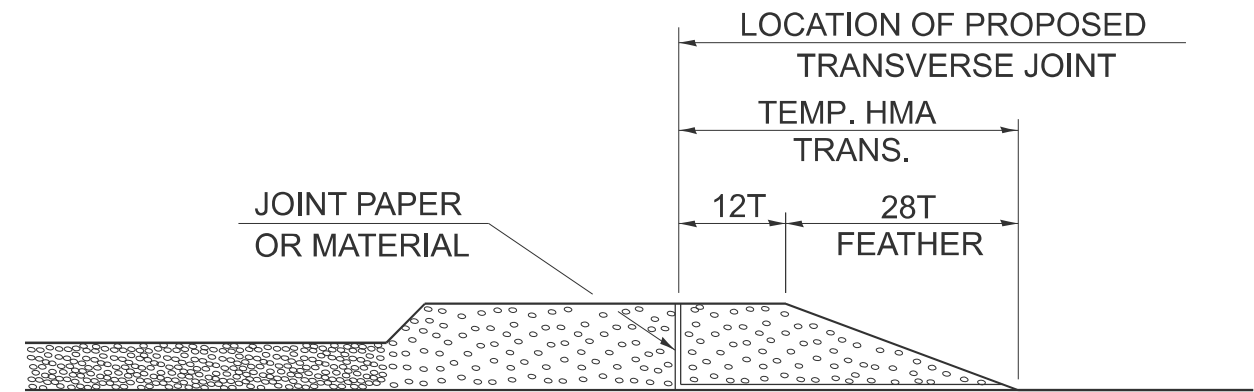
STD. 9-

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



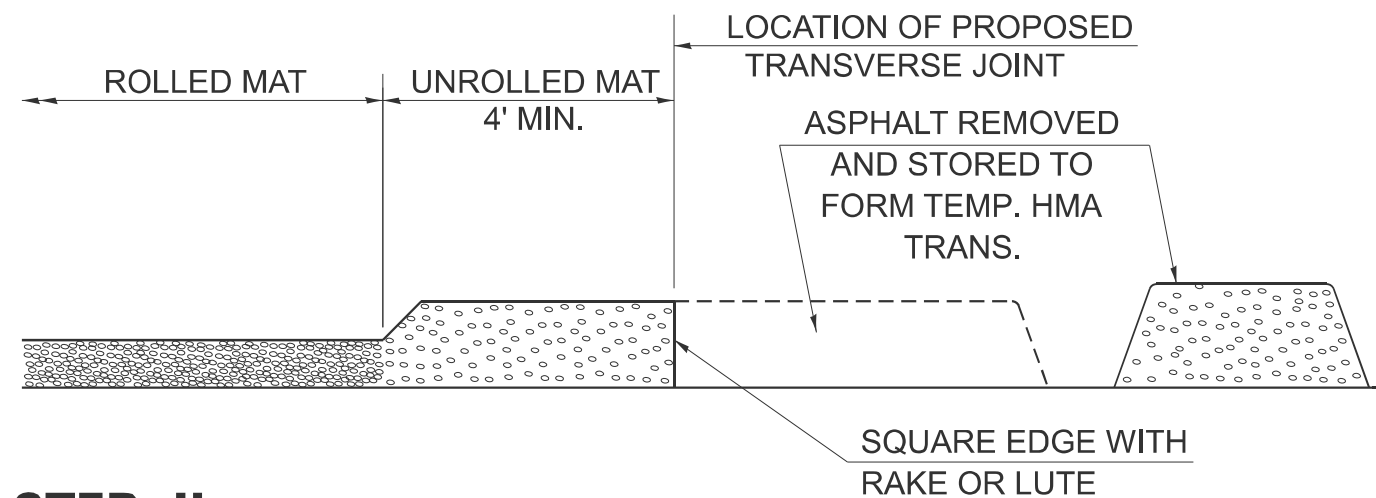
STEP I

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.



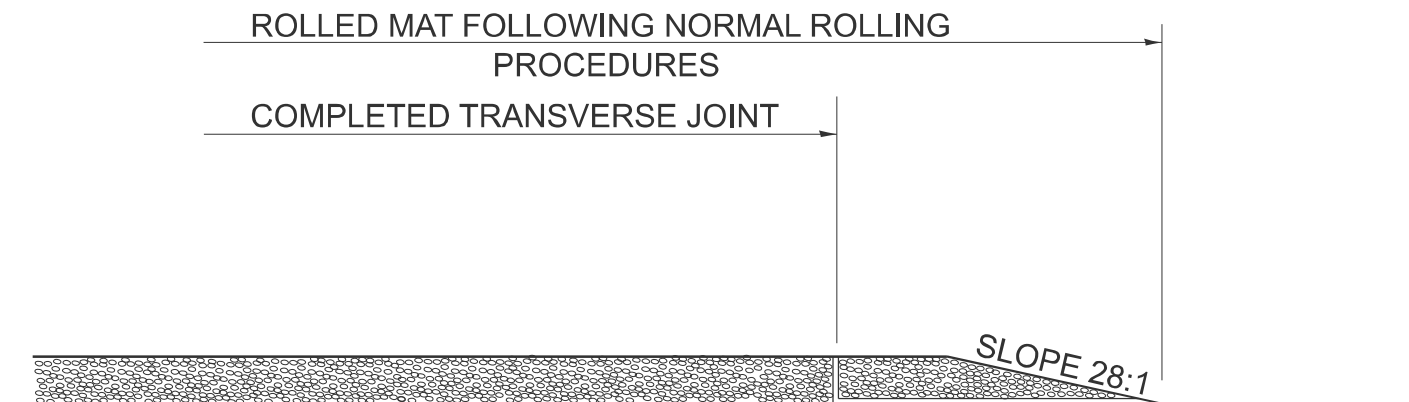
STEP III

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. 9-18

DRAWN	02-15-89
REVISED	01-09-07
REVISED	10-21-21
REVISED	05-26-22

MODEL: Temporary Hot-Mix Asphalt Transitions (Sheet)
FILE NAME: c:\pav_work\johnbrandon\110978A70-Sht3-District\Sht3.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/16/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

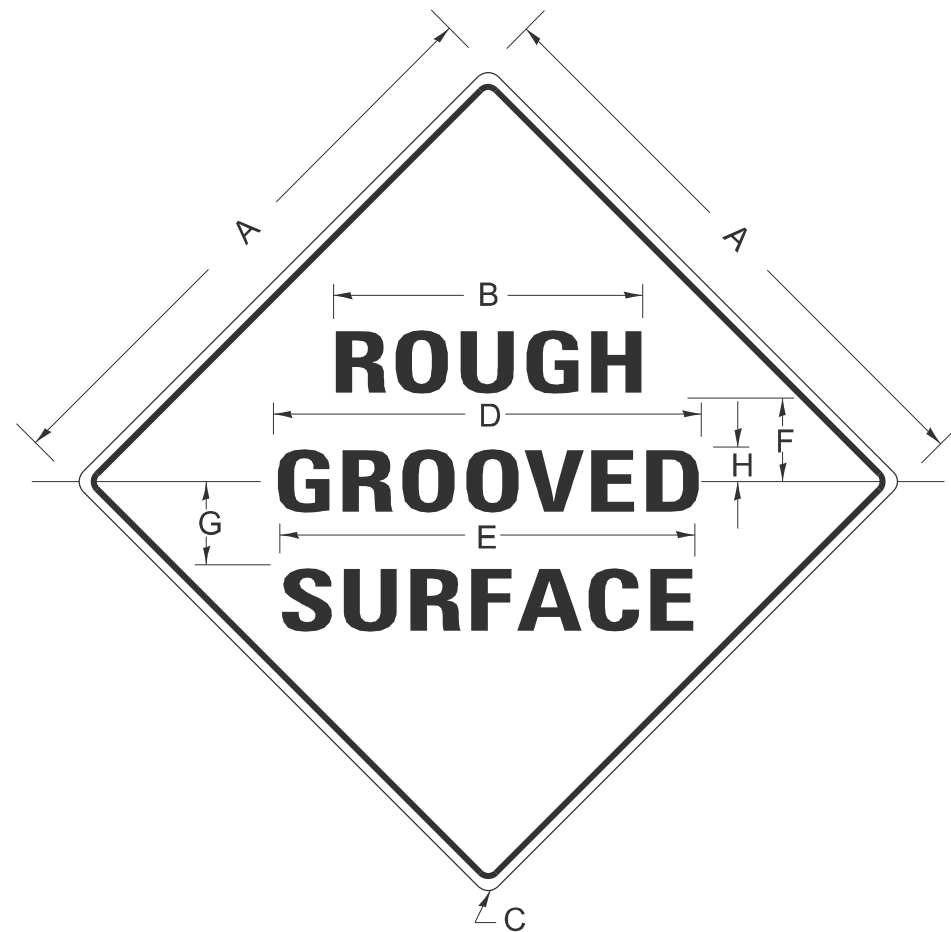
TEMPORARY HMA TRANSITIONS

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	14
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				

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

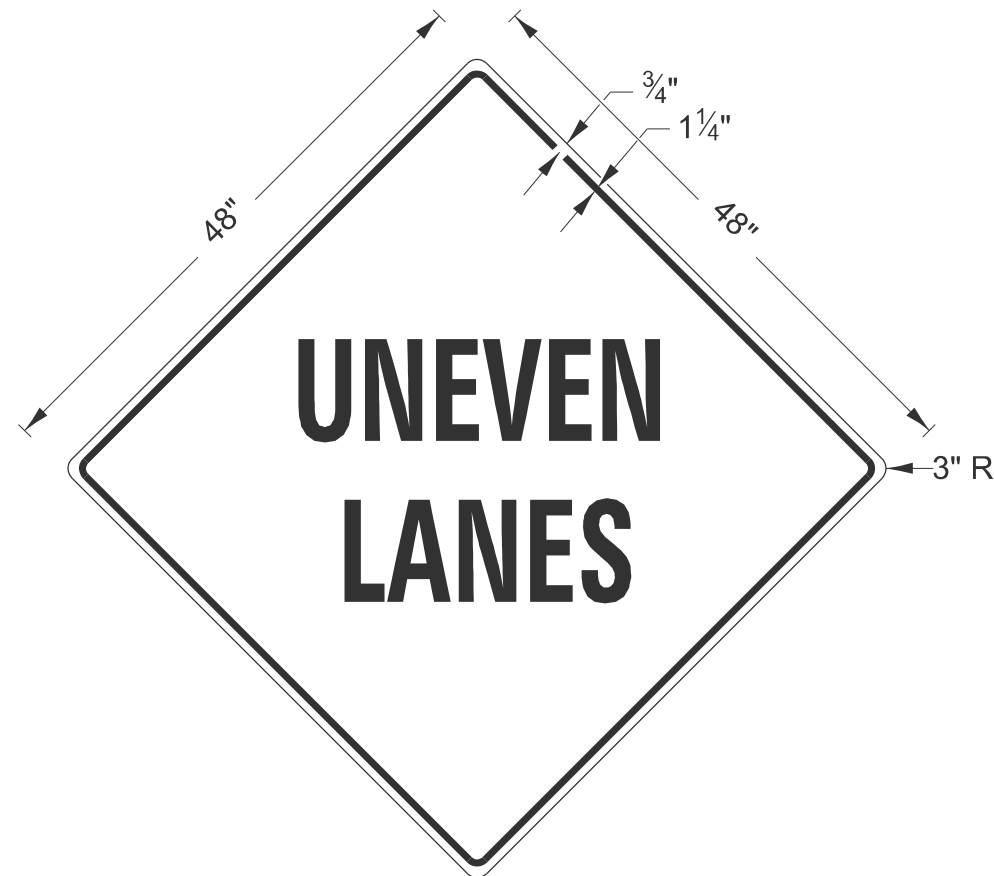
STD. 9-23

MODEL: Rough Grooved Surface Sign (Sheet)
 FILE NAME: c:\pwwork\johnbrandon\j0988511\0978A70_ShtS-District\Sigs.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROUGH GROOVED SURFACE SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		SCALE:	SHEET 4	OF 5 SHEETS	STA.	113RS-4	JOHNSON	16	15
	CHECKED -	REVISED -									
PLOT DATE = 7/16/2024	DATE -	REVISED -									
							CONTRACT NO. 78A70				
							ILLINOIS FED. AID PROJECT				

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 COLD MILLED 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: Uneven Lane Sign (Sheet)
FILE NAME: c:\p\work\brandon\11978A1-SHS-District\Sigs.dgn

USER NAME = john.a.brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 7/16/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNEVEN LANES SIGN

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-4	JOHNSON	16	16
CONTRACT NO. 78A70				
ILLINOIS FED. AID PROJECT				