

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	1
		ILLINOIS	CONTRACT NO. 78616	

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

**PROPOSED
HIGHWAY PLANS**

ROUTE FAP 726 (IL 37)
SECTION 113RS-6

PATCHING AND RESURFACING
WILLIAMSON COUNTY

C-99-008-18

TRAFFIC DATA

IL 37	
M.P.	(18.87-19.92)
(2018)	
PV =	3,995
SU =	230
MU =	195
ADT =	4,380
(2038)	
PV =	4,815
SU =	285
MU =	240
ADT =	5,340

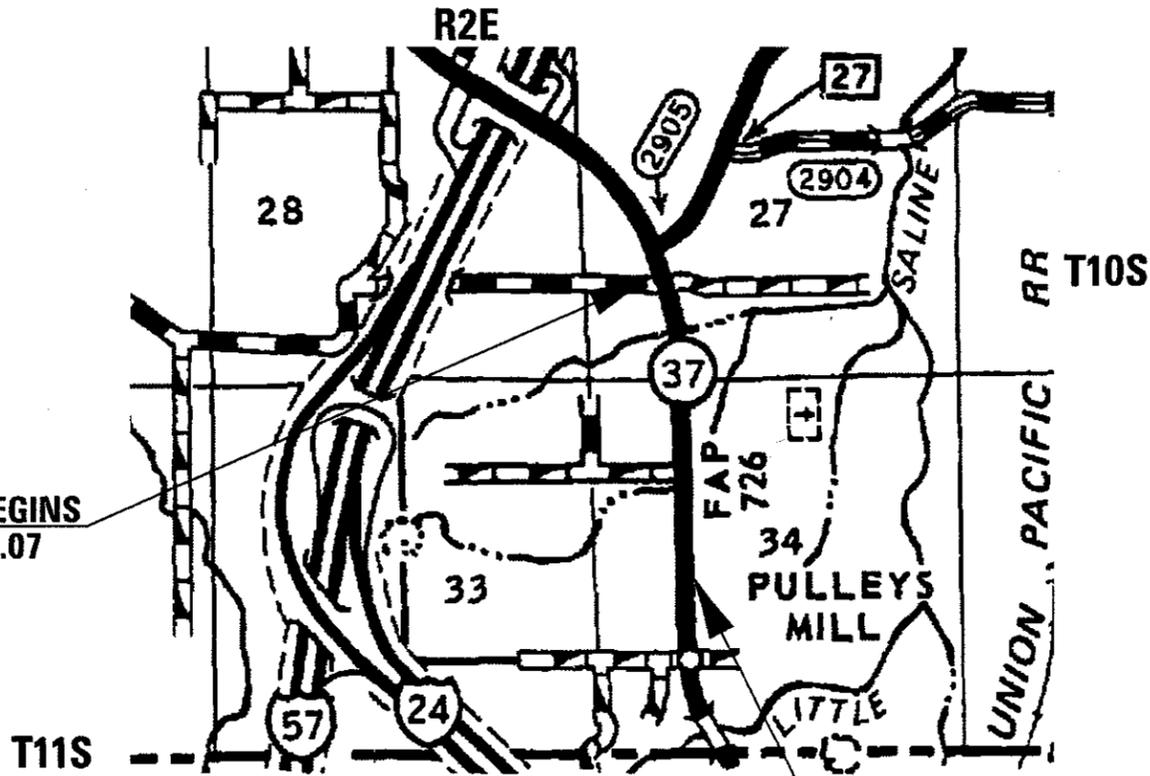
**TOWNSHIPS
SOUTHERN**

DESIGN DESIGNATION : N/A
COORDINATE SYSTEM : ILLINOIS EAST
POSTED SPEED : 55 MPH

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

PROJECT ENGINEER CHARLES STEIN (618) 351-5210
PROJECT DESIGNER AESHA JACKSON (618) 351-5215

CONTRACT NO. 78616



PROJECT BEGINS
STA. 52 + 47.07

PROJECT ENDS
STA. 513 + 00

GROSS LENGTH = 5,083.81 FT. = 0.963 MILES
NET LENGTH = 5,083.81 FT. = 0.963 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 30 2017
Jeffrey L Keen
REGION FIVE ENGINEER

Nov 30 2017
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Nov 30 2017
David J. Allen
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS**

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Prepared By: *for Lisa G*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Nancy P*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Car Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Kalish*
DISTRICT OPERATIONS ENGINEER

Examined By: *KPD*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Daryl J. Miller*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *R. C.*
DISTRICT MATERIALS ENGINEER

USER NAME = jacksonac	DESIGNED -	REVISED -
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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-6	WILLIAMSON	21	2
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3 - 4	INDEX OF SHEETS, GENERAL NOTES, MIXTURE DESIGN, STANDARDS, COMMITMENTS, STATION EQUATIONS, MTD
5 - 6	SUMMARY OF QUANTITIES
7 - 13	TYPICAL SECTION
14 - 15	IL 37 MAINLINE RESURFACING SCHEDULE
16 - 19	DESIGN DETAILS FOR IL 37
20	DETAILS FOR HMA TRANSITION
21	UNEVEN LANE SIGN DETAIL AND ROUGH GROOVED SURFACE SIGNS

MIXTURE DESIGN

The following HMA mixture requirements are applicable for this project:

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N70
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	D Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	TBD
Number of Roller Passes ^{1/}	N/A

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF INCH AND FOOT
442201-03	CLASS C AND D PATCHES
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15 FT. (4.5 m) AWAY
701006-05	OFF ROAD OPERATIONS-2L, 2W-15 FT. TO EDGE OF PAVEMENT
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 MOVE OPERATIONS DAY ONLY ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W- MOVING OPERATIONS DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

The following HMA mixture requirements are applicable for this project:

Locations	Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Surface Course, IL-9.5L, N30
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
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:	QCQA
Sublot Size:	NA
Number of Roller Passes ^{1/}	N/A

STATION EQUATIONS

STA. EQ. 70+00 (BK) TO STA. 479+69.12 (AH)

COMMITMENTS

NONE

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USER NAME = jacksonac	DESIGNED -	REVISED - MJS 11-25-2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, MIXTURE DESIGN STANDARDS, COMMITMENTS, STATION EQUATIONS, MTD	F.A.P. RTE. = 726	SECTION = 113RS-6	COUNTY = WILLIAMSON	TOTAL SHEETS = 21	SHEET NO. = 3	
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISD -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 78616		
PLOT DATE = 11/3/2017	CHECKED -	REVISD -								
	DATE -	REVISD -								

SUMMARY OF QUANTITIES

COUNTY:	WILLIAMSON
ROUTE:	IL 37, FAP 726
FUNDING:	STATE 100%
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
40600990	TEMPORARY RAMP	SQ YD	49	49
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1274	1274
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	7348	7348
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	16318	16318
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	80	80
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	131	131
48203100	HOT-MIX ASPHALT SHOULDERS	TON	244	244
67100100	MOBILIZATION	LSUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1148	1148
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	37	37
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17304	17304
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	600	600

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PLOT DATE = 11/2/2017	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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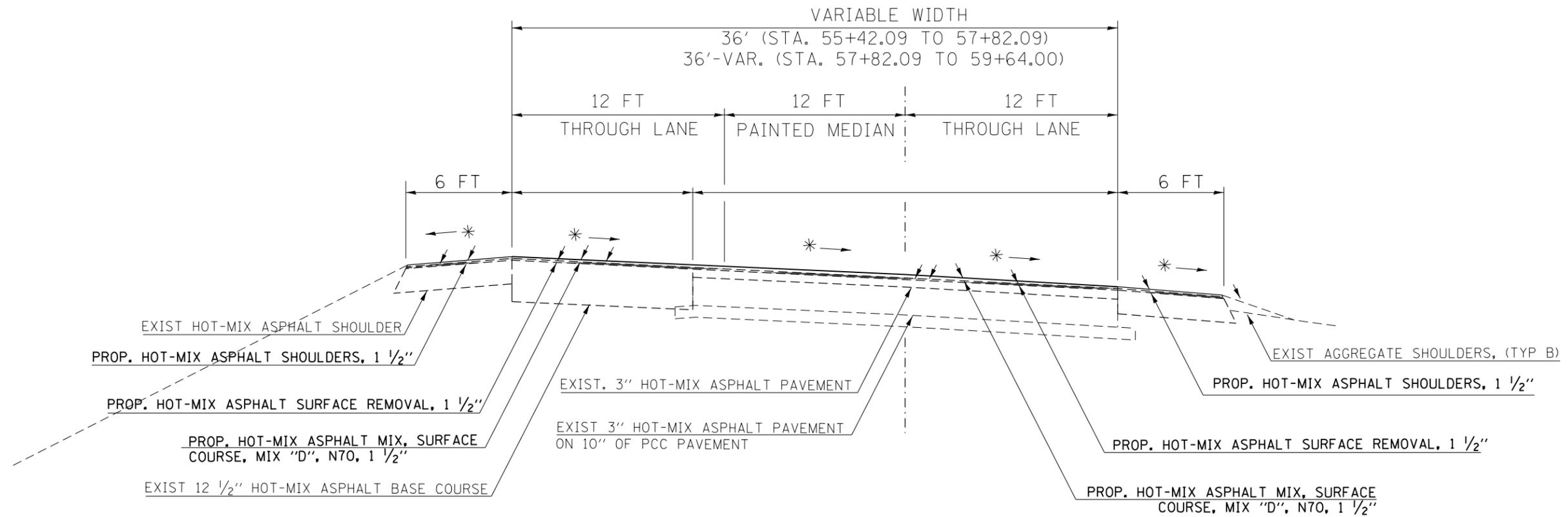
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726	113RS-6	WILLIAMSON	21	5
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION

IL 37



IL 37



TO BE USED
 STA. 55+42.09 TO STA. 59+64.00

* MATCH EXISTING SLOPE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

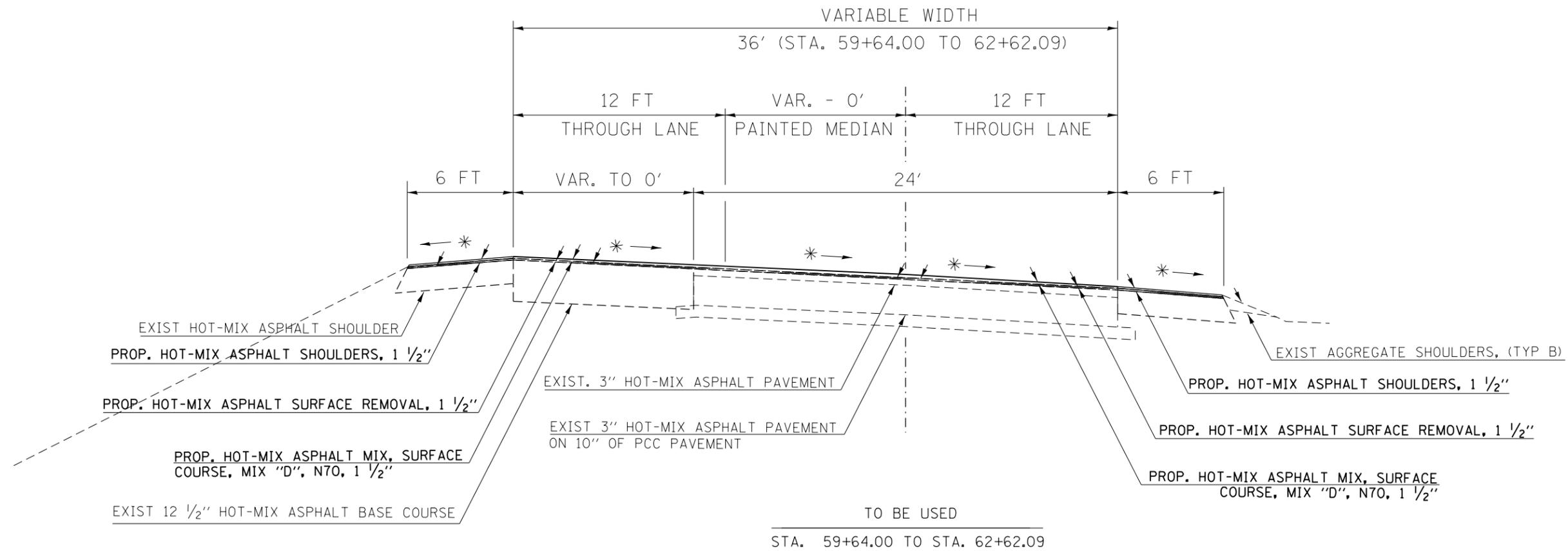
SCALE: SHEET OF SHEETS STA. 59+64.00 TO STA. 62+62.09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	8
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION

IL 37

IL 37



* MATCH EXISTING SLOPE

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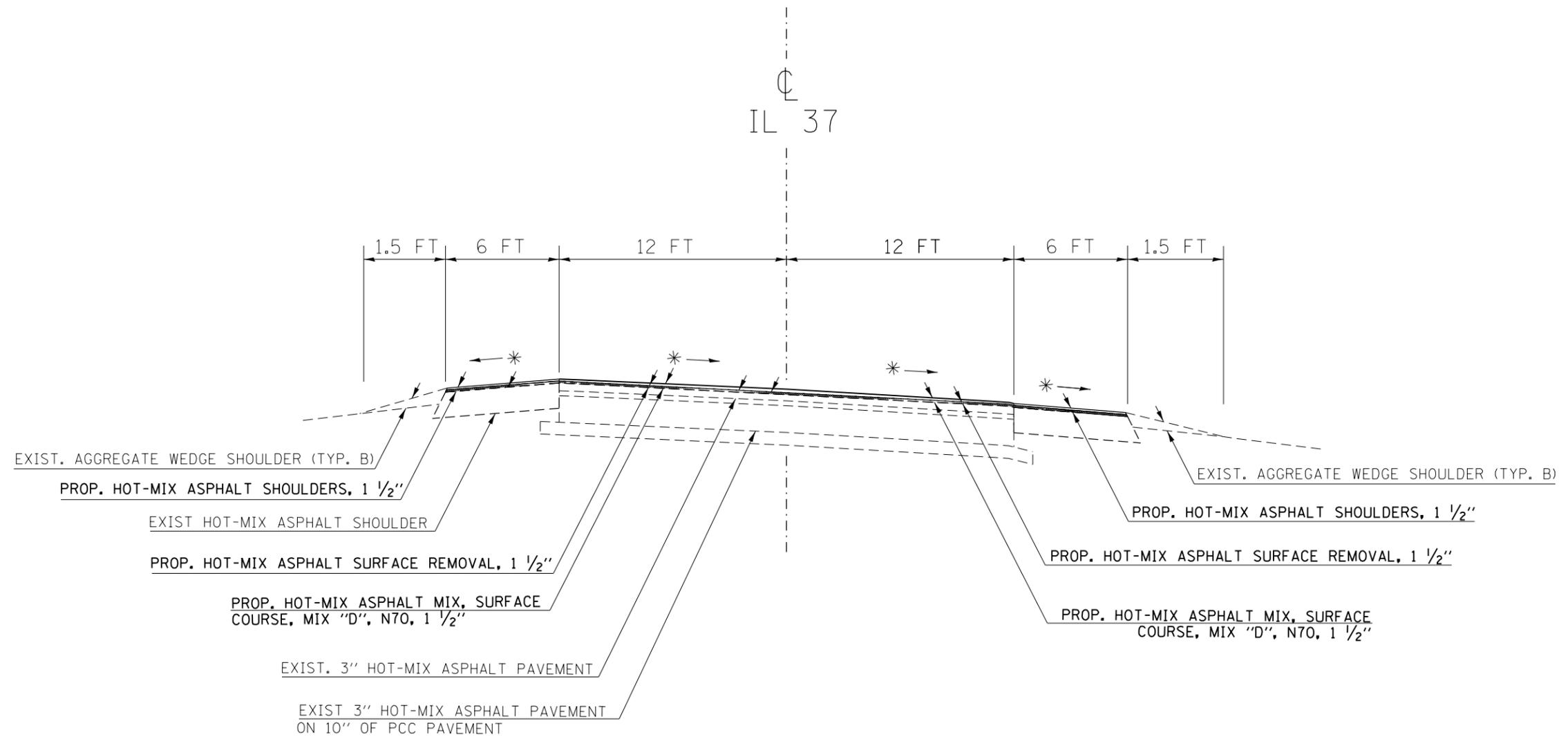
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. 59+64.00 TO STA. 62+62.09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	9
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION IL 37



TO BE USED
STA. 62+62.09 TO STA. 63+51.5

* MATCH EXISTING SLOPE

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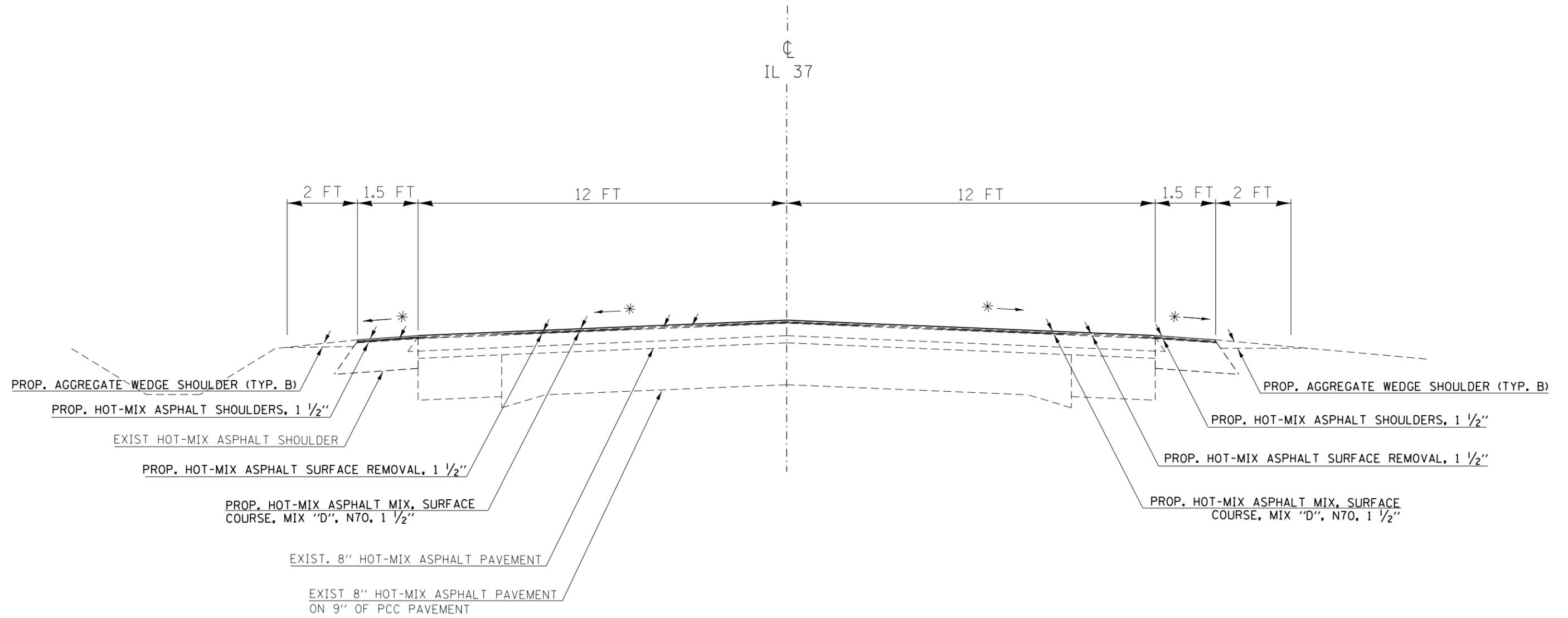
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. 62+62.09 TO STA. 63+51.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	10
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION IL 37



TO BE USED:
STA. 494+68 TO STA. 501+24

* MATCH EXISTING SLOPE

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DEPARTMENT OF TRANSPORTATION**

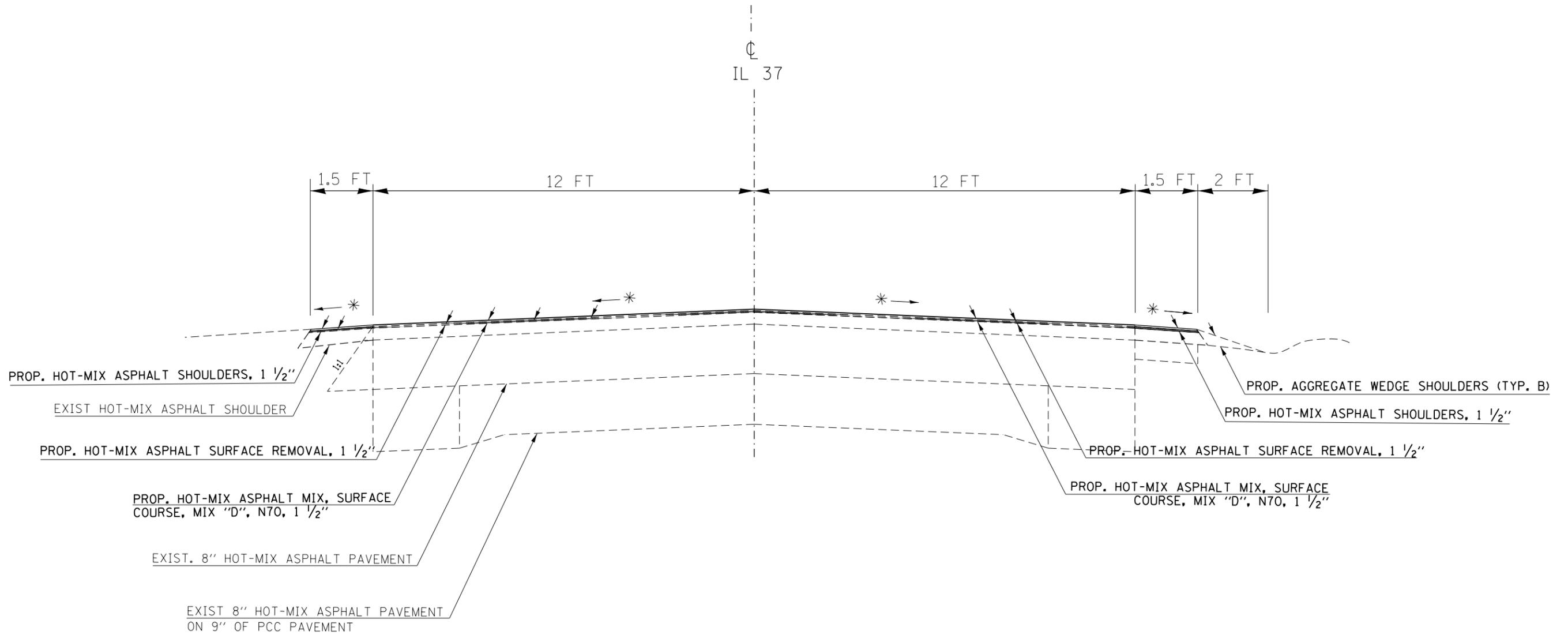
TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. 494+68 TO STA. 501+24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	12
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION

IL 37



TO BE USED:
STA. 501+24 TO STA. 513+00

* MATCH EXISTING SLOPE

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PLOT DATE = 11/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. 501+24 TO STA. 513+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	13
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

IL 37 MAINLINE RESURFACING SCHEDULE

LOCATION STATION TO STATION			LENGTH	ROADWAY WIDTH	SHOULDER WIDTH	TEMP RAMP	HMA SUR. REMOV. - 1 1/2"	HOT-MIX ASP. SUR. CSE., MIX D, N70 (1 1/2")	BIT. MAT. (TACK COAT)	AGG. WEDGE SHOULDERS, TY. B	HMA SHOULDERS	
												FOR INFORMATIONAL PURPOSE ONLY
			(FT)	(FT)	(FT)	(SQ YD)	(SQ YD)	(TON)	(LBS)	(TON)	(TON)	
MAINLINE: STA. 52+47.07 TO STA. 513+00												
	52+47.07	TO	53+62.00	115								
LT	52+47.07	TO	53+62.00	115	36	4	23	511	39	230	5	
RT	52+47.07	TO	53+62.00	115	12	6	10	230	13	104	7	
	53+62.00	TO	55+42.09	180								
LT	53+62.00	TO	55+42.09	180	36 TO 24	4 TO 6		601	51	271	11	
RT	53+62.00	TO	55+42.09	180	12	6		361	21	163	11	
	55+42.09	TO	59+64.00	422								
LT	55+42.09	TO	59+64.00	422	24	6		1,407	95	633	24	
RT	55+42.09	TO	59+64.00	422	12	6		844	48	380	24	
	59+64.00	TO	62+62.09	298								
LT	59+64.00	TO	62+62.09	298	18	6		795	51	358	17	
RT	59+64.00	TO	62+62.09	298	12	6		597	34	269	17	
	62+62.09	TO	63+51.50	89								
LT	62+62.09	TO	63+51.50	89	12	6		179	11	81	6	
RT	62+62.09	TO	63+51.50	89	12	6		179	11	81	6	
	63+51.50	TO	70+00.00	649								
LT	63+51.50	TO	70+00.00	649	12	1.5		865	74	390	13	
RT	63+51.50	TO	70+00.00	649	12	1.5		865	74	390	13	
STA. EQ. 70+00.00 (BK) = STA. 479+69.12 (AH)												
	479+69.12	TO	501+24.00	2,155								
LT	479+69.12	TO	501+24.00	2,155	12	1.5		2874	243	1293	41	
RT	479+69.13	TO	501+24.00	2,155	12	1.5		2874	243	1,293	41	
	501+24.00	TO	513+00.00	1,176								
LT	501+24.00	TO	513+00.00	1,176	12	1.5	8	1568	133	706	23	
RT	501+24.00	TO	513+00.00	1,176	12	1.5	8	1568	133	706	17	
MAINLINE TOTALS							49	16,318	1,274	7,348	131	244

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DEPARTMENT OF TRANSPORTATION**

IL 37 MAINLINE RESURFACING SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

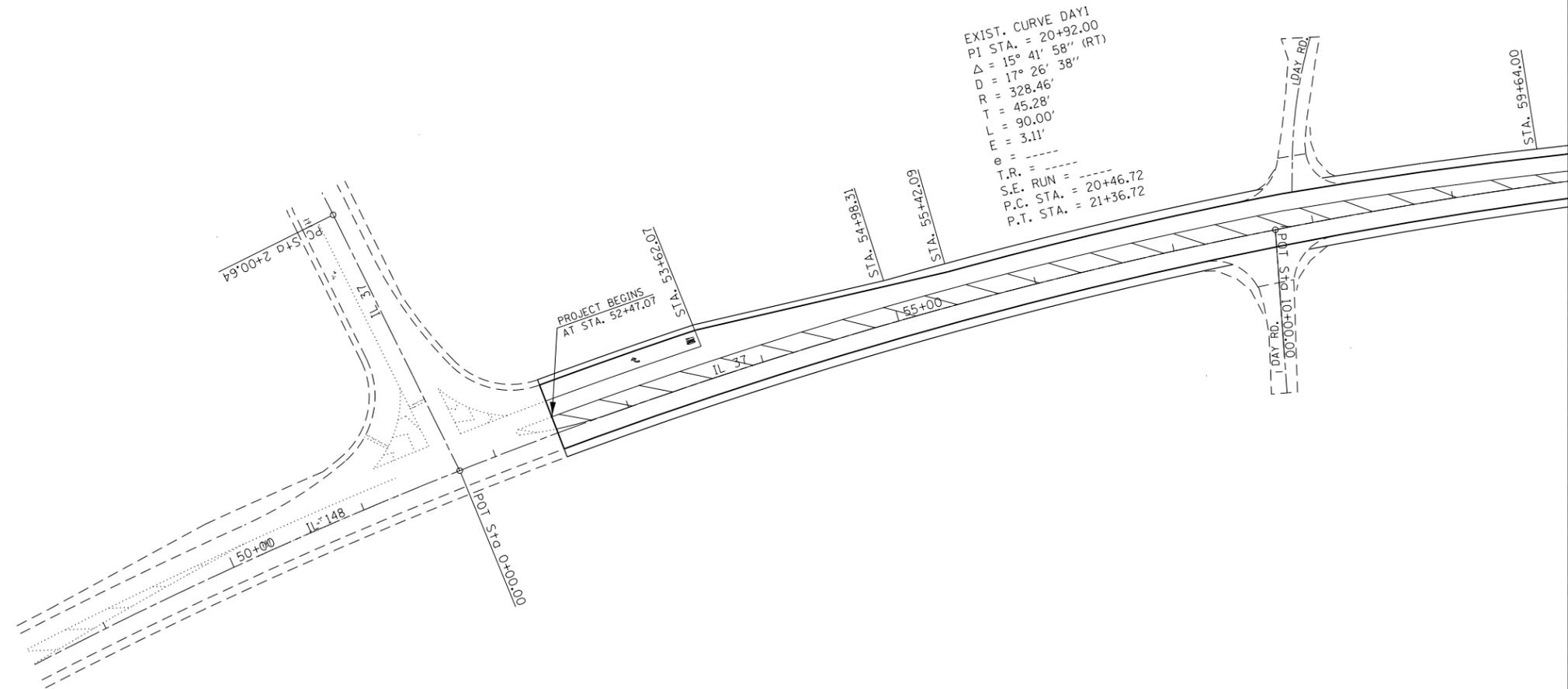
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	14
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

IL ROUTE 37 (FAP 726) LOCATION STATION TO STATION	LENGTH	PAINT PAVEMENT MARKING					LETTERS AND SYMBOLS	SHORT TERM PVMT MRK	TEMP PVMT MRK 4"	WORK ZONE PAVT MK REM	RAISED REF PVMT MKR	RAISED REF PVMT MKR REMOVAL
		SOLID WHITE 4"	LINE - YELLOW 4"			LINE 12"						
			LEFT SOLID	CENTER DASHED	RIGHT SOLID							
STA TO STA	FEET	FT	FT	FT	FT	SQ FT	FT	FT	SQ FT	EACH	EACH	
IL 37 (FAP 726)												
STA 52+47.07 TO STA 62+62.00	1,015	2,150	1,015		1,015	600	37	203	4,180	1,461	25	25
STA 62+62.00 TO STA 70+00.00	738	1,476		185				148	1,661	603	9	9
STA 63+50.00 TO STA 70+00.00	650	1,300		163				130	1,463	531	8	8
STA. EQ. 70+00 BK = STA. 479+69.12 AH												
STA 479+69.12 TO STA 490+17.00	1,048	2,096		262				210	2,358	856	13	13
STA 490+17.00 TO STA 499+55.00	938	1,876		235	938			188	3,049	1,079	12	12
STA 499+55.00 TO STA 501+25.00	170	340		43				34	383	139	2	2
STA 501+25.00 TO STA 510+90.00	965	1,930	505	127	965			193	3,527	1,240	12	12
STA 510+90.00 TO STA 513+00.00	210	420	210	53				42	683	242	3	3
PROJECT TOTALS		11,588	1,730	1,068	2,918	600	37	1,148	17,304	6,151	84	84
		17,304										

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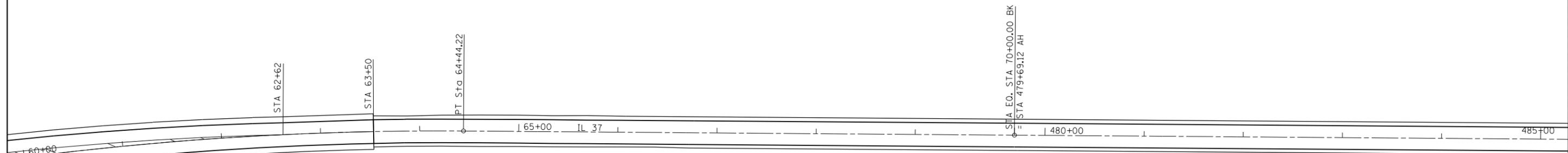
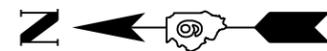
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PLOT DATE = 11/3/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN DETAILS FOR IL 37
 SCALE: SHEET OF SHEETS STA. 52+47.07 TO STA. 59+82.98

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	16
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DESIGN DETAILS FOR IL 37

SCALE: SHEET OF SHEETS STA. 59+82.98 TO STA. 485+28.05

F.A.P. RTE. 726	SECTION 113RS-6	COUNTY WILLIAMSON	TOTAL SHEETS 21	SHEET NO. 17
CONTRACT NO. 78616			ILLINOIS FED. AID PROJECT	



490+00 495+00 500+00

NO PASSING ZONE BEGINS (RT.)
STA. 490+17

NO PASSING ZONE ENDS (RT.)
STA. 499+55

NOTE:
1. NO PASSING ZONE FROM STA. 490+17 TO STA. 499+55 (RT.)

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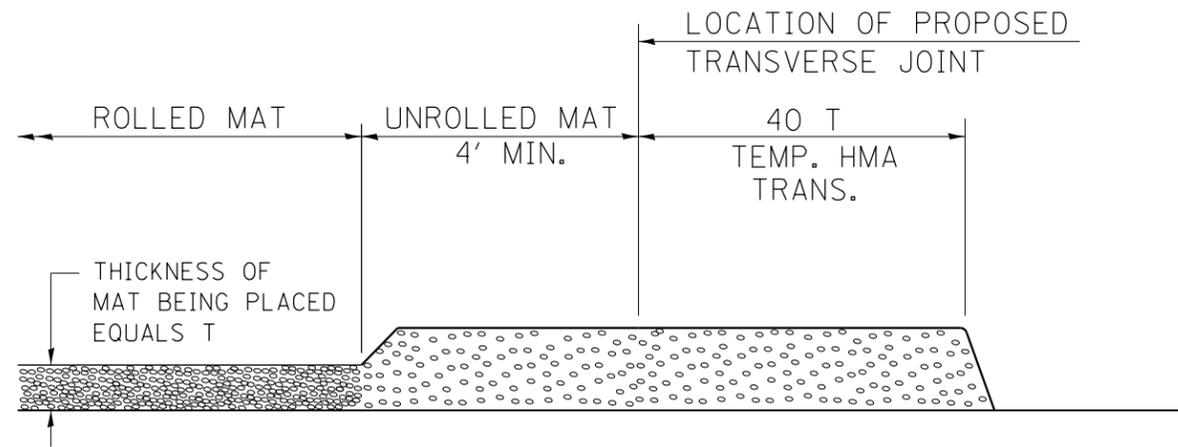
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DESIGN DETAILS FOR IL 37

SCALE: SHEET OF SHEETS STA. 485+28.05 TO STA. 501+03.10

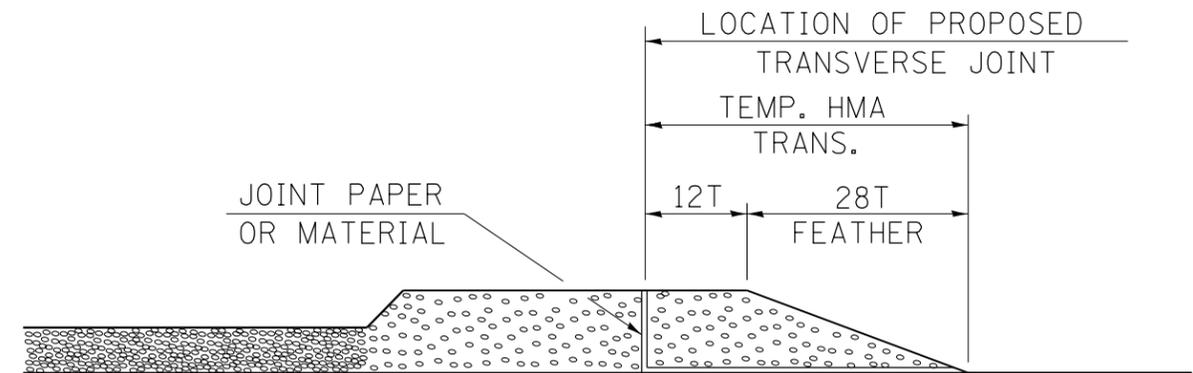
F.A.P. RTE. 726	SECTION 113RS-6	COUNTY WILLIAMSON	TOTAL SHEETS 21	SHEET NO. 18
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



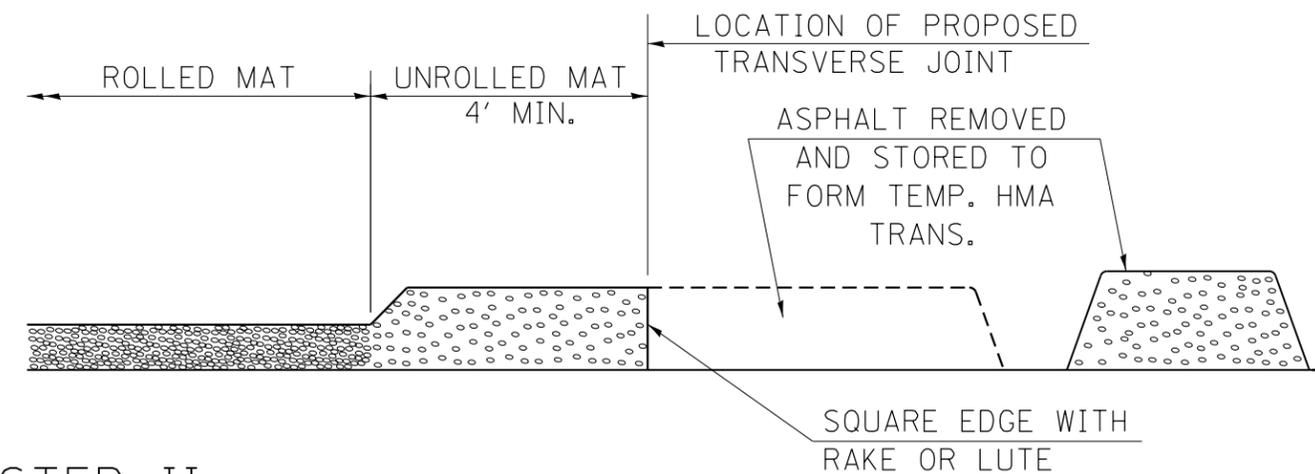
STEP I

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.



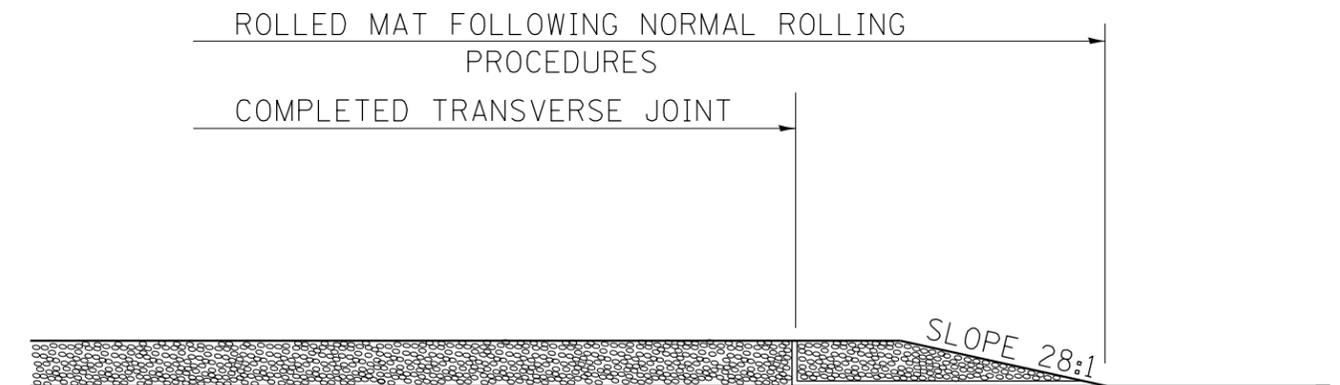
STEP III

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

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USER NAME = jacksonac	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2017	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR HMA TRANSITION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	113RS-6	WILLIAMSON	21	20
CONTRACT NO. 78616				
ILLINOIS FED. AID PROJECT				

