

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
673	(109,108)RS-5	WOODFORD	9	1
		ILLINOIS	CONTRACT NO. 68G30	

INDEX OF SHEETS:

- 1 COVER SHEET
- 2-3 GENERAL NOTES/COMMITMENTS
- 4-5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTION
- 7-8 SCHEDULE OF QUANTITIES
- 9 LINE DIAGRAM
- 10-14 PROPOSED PAVEMENT MARKING
- 15-21 CADD STANDARDS

PROPOSED HIGHWAY PLANS

FAP 673 (IL ROUTE 116 /117)
SECTION (109,108)RS-5
PROJECT STP-VP16(287)
TYPE of IMPROVEMENT:PAVEMENT PRESERVATION
WOODFORD COUNTY

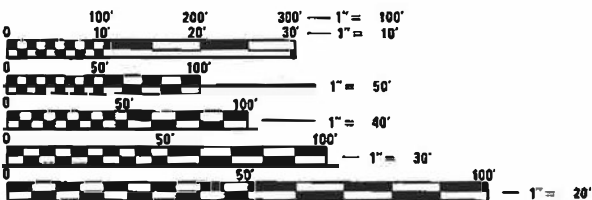
C-94-051-21

HIGHWAY STANDARDS

- 701301-04
- 701306-04
- 701311-03
- 701901-08
- 780001-05

DISTRICT STANDARDS

780001



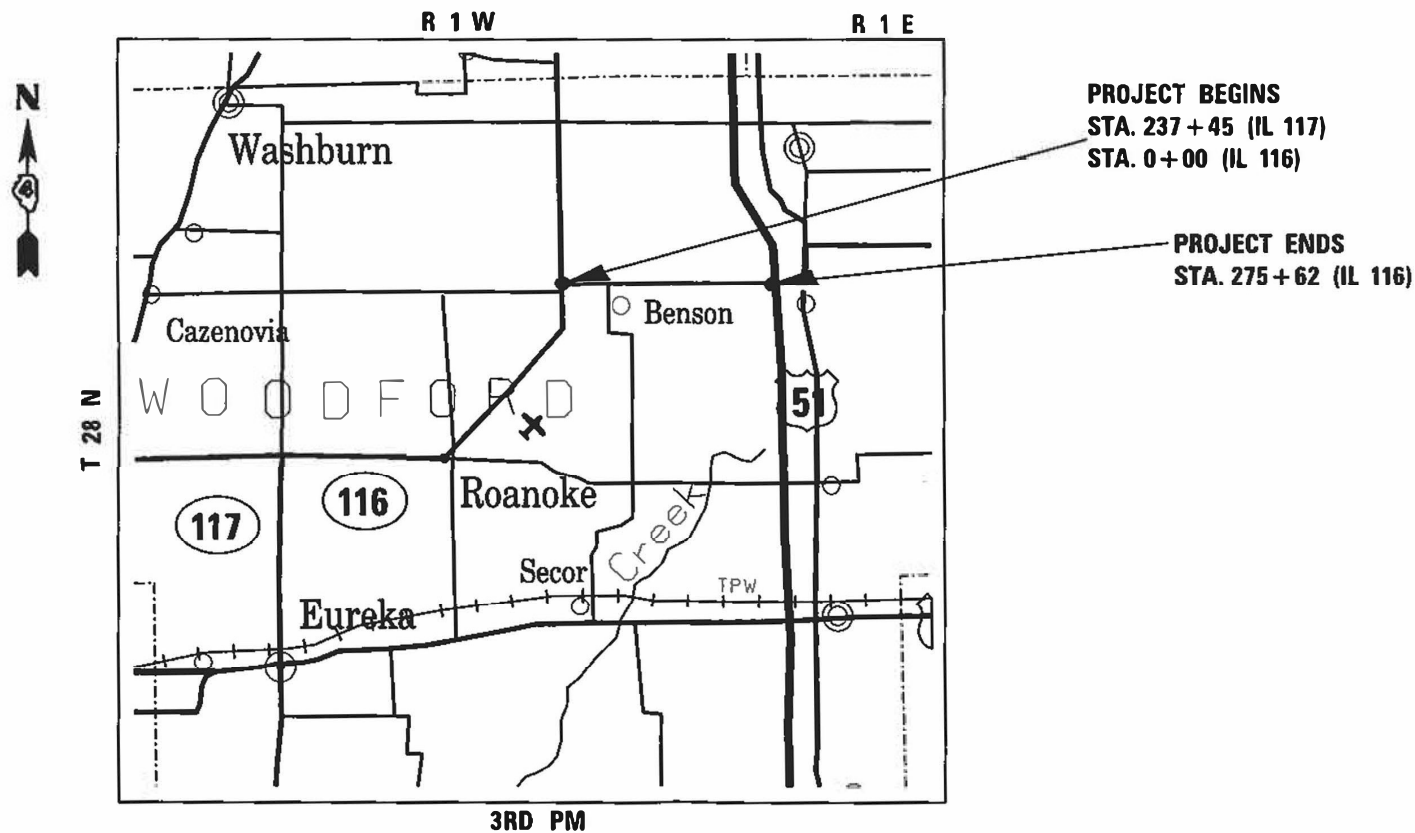
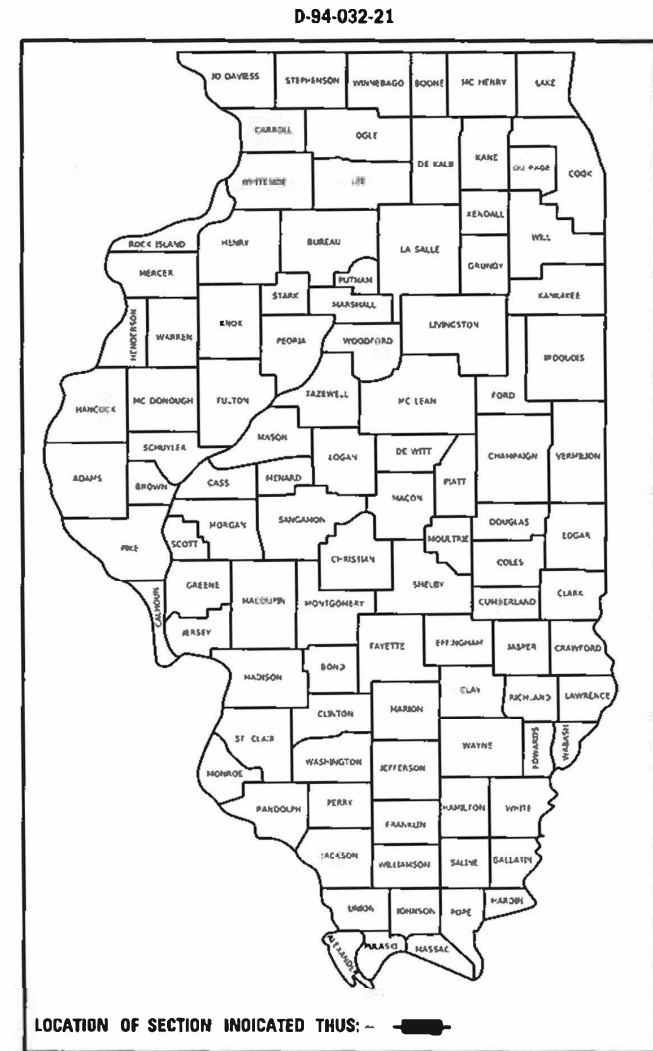
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RICHARD DOTSON 309-671-3455
PROJECT MANAGER: ANDREW MITCHELL 309-671-3465

CONTRACT NO. 68G30

GROSS LENGTH = 28,353.6 FT. = 5.37 MILE
NET LENGTH = 28,353.6 FT. = 5.37 MILE



PROJECT CONSISTS OF CAPE SEAL ON IL 116 /117 FROM IL 117(N) TO I-39 IN WOODFORD COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 31 20 22
[Signature] REGIONAL ENGINEER

March 25 20 22
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 2 20 22
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

COMMITMENTS:

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

NO PASSING ZONE VERIFICATION

THE RESIDENT SHALL CONTACT OPERATIONS TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

SURFACE TESTS APPLICATION

SMOOTHNESS TESTS ON THE COMPLETED SURFACE WILL NOT BE REQUIRED; BUT THE ENGINEER RESERVES THE RIGHT TO REQUIRE CORRECTIVE MEASURES WHEN OBVIOUS SURFACE VARIATIONS ARE PRESENT.

CAPE SEAL TREATMENT

THE MATERIALS FOR THE A-1 SURFACE SHALL BE (CRUSHED) CA 20. (CRUSHED) CA 16 MAY BE USED IF APPROVED BY THE ENGINEER. THE MICRO-SURFACING APPLICATION SHALL BE SINGLE PASS.

STATIONING

THE EXISTING ROADWAY STATIONS SHALL BE COVERED PRIOR TO THE CAPE SEAL APPLICATIONS. THE COVER SHALL BE REMOVED AFTER WORK IS COMPLETED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "CAPE SEAL".

PAINT PAVEMENT MARKING

TWO APPLICATIONS SHALL BE APPLIED. THE FIRST APPLICATION SHALL BE APPLIED AFTER THE PROPOSED TREATMENT CURING TIME AS SPECIFIED IN THE STANDARD SPECIFICATIONS. THE SECOND APPLICATION SHALL BE APPLIED THIRTY (30) DAYS AFTER THE FIRST APPLICATION IS APPLIED.

FILE NAME *	USER NAME * KHRVALS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOB SPECIFIC NOTES & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\1dot\pwbentley.com\PI1001\Documents\1100T_District\District 4\Projects\104_68G30\DRAWN\CAD\Drawings\104xxxx-CADD.dgn	DRAWN	CHECKED -	REVISED -			673	(109,108)RS-5	WOODFORD	9	2
Default	PLOT SCALE * 100.0000 / in.	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.

CONTRACT NO. 68G30
ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL	20% STATE WOODFORD COUNTY
4040001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	32000	32000	
40400020	BUMP REMOVAL	EACH	40	40	
40500061	CAPE SEAL	SO YD	90990	90990	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2880	2880	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	960	960	
* 78001100	PAINT PAVEMENT MARKING - LETTERS & SYMBOLS	SO FT	186	186	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	149708	149708	
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	996	996	
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	1174	1174	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	116	116	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	691	691	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	691	691	

*= SPECIALTY ITEM

FILE NAME :	USER NAME : le-iser	DESIGNED -	REVISED -
p:\dot\p-bentley.com\PI\DOT\Documents\100T\0ffices\District 4\Projects\04-68G30\DRAWING\Drawings\04-xxxx-CR00.dgn		DRAWN	REVISED
PLOT SCALE = 99.9994 / in.		CHECKED -	REVISED -
PLOT DATE = 11/17/2021		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(109.108)RS-5	WOODFORD	9	3
CONTRACT NO. 68G30			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL	20% STATE WOODFORD COUNTY
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	25362		25362
X7810400	TEMPORARY RAISED PAVEMENT MARKER	EACH	1440		1440

FILE NAME *	USER NAME * KHARALS	DESIGNED *	REVISED *
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	PLOT SCALE : 100.0000 1/8" = 1'	CHECKED *	REVISED *
	PLOT DATE : 9/29/2021	DATE *	REVISED *

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(109,108)R5-5	WOODFORD	9	4
			CONTRACT NO. 68630	
ILLINOIS FED. AID PROJECT				

CAPE SEAL QUANTITIES			
LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA
	FT		
IL 116/117			
STA. 237+45 TO 237+75	36.00	30.00	120.00
STA. 237+75 TO 245+75	40.00	800.00	3555.56
STA. 245+75 TO 249+43	36.00	368.00	1472.00
STA. 249+43 TO 249+73	28.00	30.00	93.33
IL 116			
STA. 0+00 TO 7+00	28.00	700.00	2177.78
STA. 7+00 TO 275+32	28.00	26832.00	83477.33
STA. 275+32 TO 275+62	28.00	30.00	93.33
GRAND TOTAL (AREA SQ YD)			
		90,990	

TRAFFIC CONTROL & PROTECTION STANDARD 701306	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

MOBILIZATION	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

PAVEMENT MARKING REMOVAL - WATER BLASTING	
LOCATION	SOFT
IL 116/117 237+44 TO 249+73 0+00 TO 275+62	25,362
TOTAL	25,362

PAINT PAVEMENT MARKING											
LOCATION	LT EDGE OF PVT SOLID 4" (WHITE)	RT EDGE OF PVT SOLID 4" (WHITE)	SKIP DASH SOLID 4" (YELLOW)	NO PASS SOLID 4" (YELLOW)			ISLAND/TURN LN SOLID 8" (WHITE)	ISLAND SOLID DIAG 12" (WHITE)	DIAG SOLID 12" (YELLOW)	STOP BAR SOLID 24" (WHITE)	TURN ARROW (WHITE) SOFT
	LT	RT		DBL	LT	RT					
IL 116/117											
LINF T											
237+44 TO 249+73	1229	1229	15	162	422	4498	200		358		62
IL 116											
0+00 TO 275+62	27562	27562	6890				298	108		44	31
NO PASSING ZONES											
0+31 TO 6+17						1172			121		
6+17 TO 12+51						1267					
12+51 TO 27+29				1478							
90+65 TO 96+98					634						
100+15 TO 106+49				634							
CH 18	35	35	30							14	
SUB TOTAL	28,826	28,826	6,935	2,274	1,056	6,937	498	108	479	58	93
2 APPLICATIONS	57,652	57,652	13,870	4,548	2,112	13,874	996	216	958	116	186
GRAND TOTAL	149,708						996	1,174		116	186

SHORT TERM PAVEMENT MARKING REMOVAL	
LOCATION	SOFT
IL 116/117	960
TOTAL	960

SHORT TERM PAVEMENT MARKING*	
LOCATION	FEET
IL 116/117	2880
TOTAL	2880

*2 APPLICATIONS: ONE AFTER PAVEMENT MARKING REMOVAL AND ONE AFTER THE MICRO-SURFACING IS APPLIED

TEMPORARY RAISED PAVEMENT MARKER	
LOCATION	EACH
IL 116/117	1440
TOTAL	1440

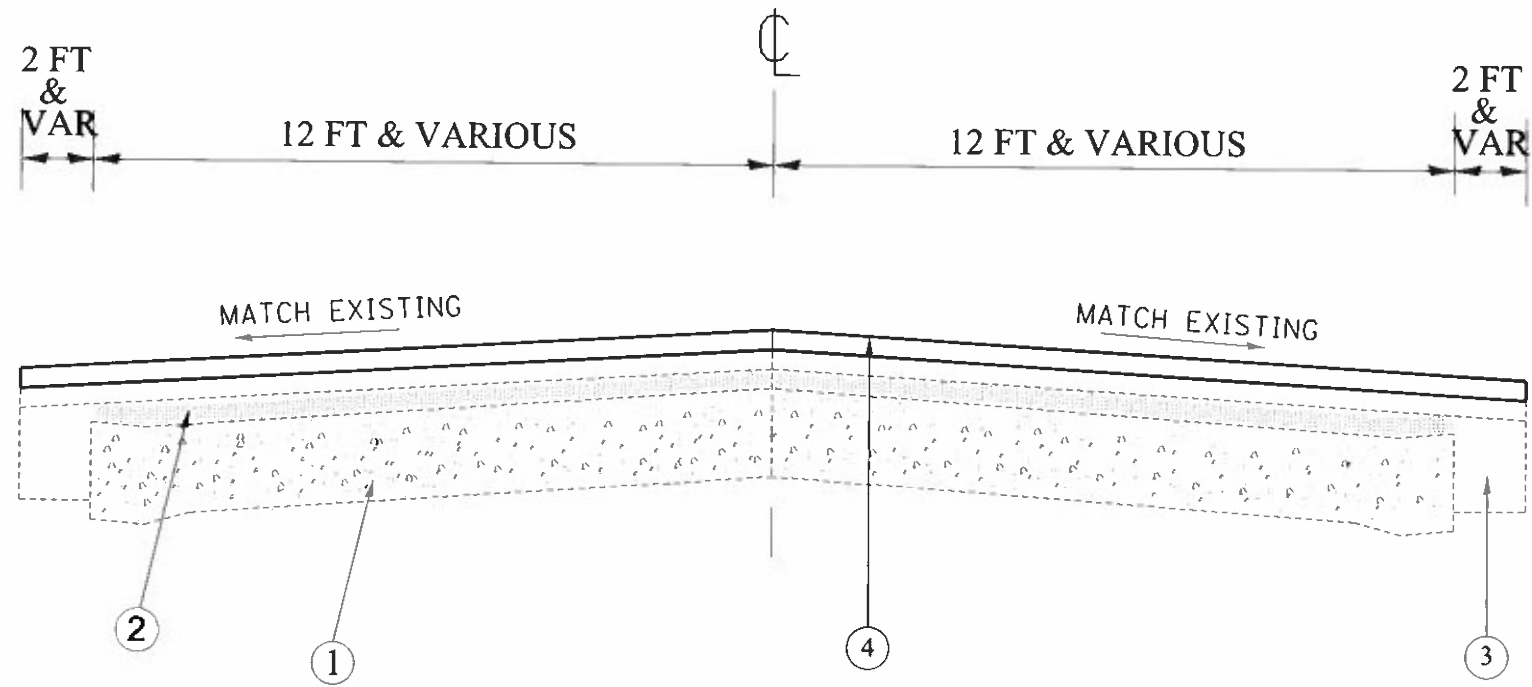
BUMP REMOVAL	
LOCATION	EACH
IL 116/117	40
TOTAL	40

RAISED REFL. PAVEMENT MARKER	
LOCATION	EACH
IL 116/117	691
TOTAL	691

RAISED REFL. PAVEMENT MARKER REMOVAL	
LOCATION	EACH
IL 116/117	691
TOTAL	691

FIBER-MODIFIED ASPHALT CRACK SEALING*	
LOCATION	LENGTH
	FT
IL 116/117	32000
TOTAL	32000

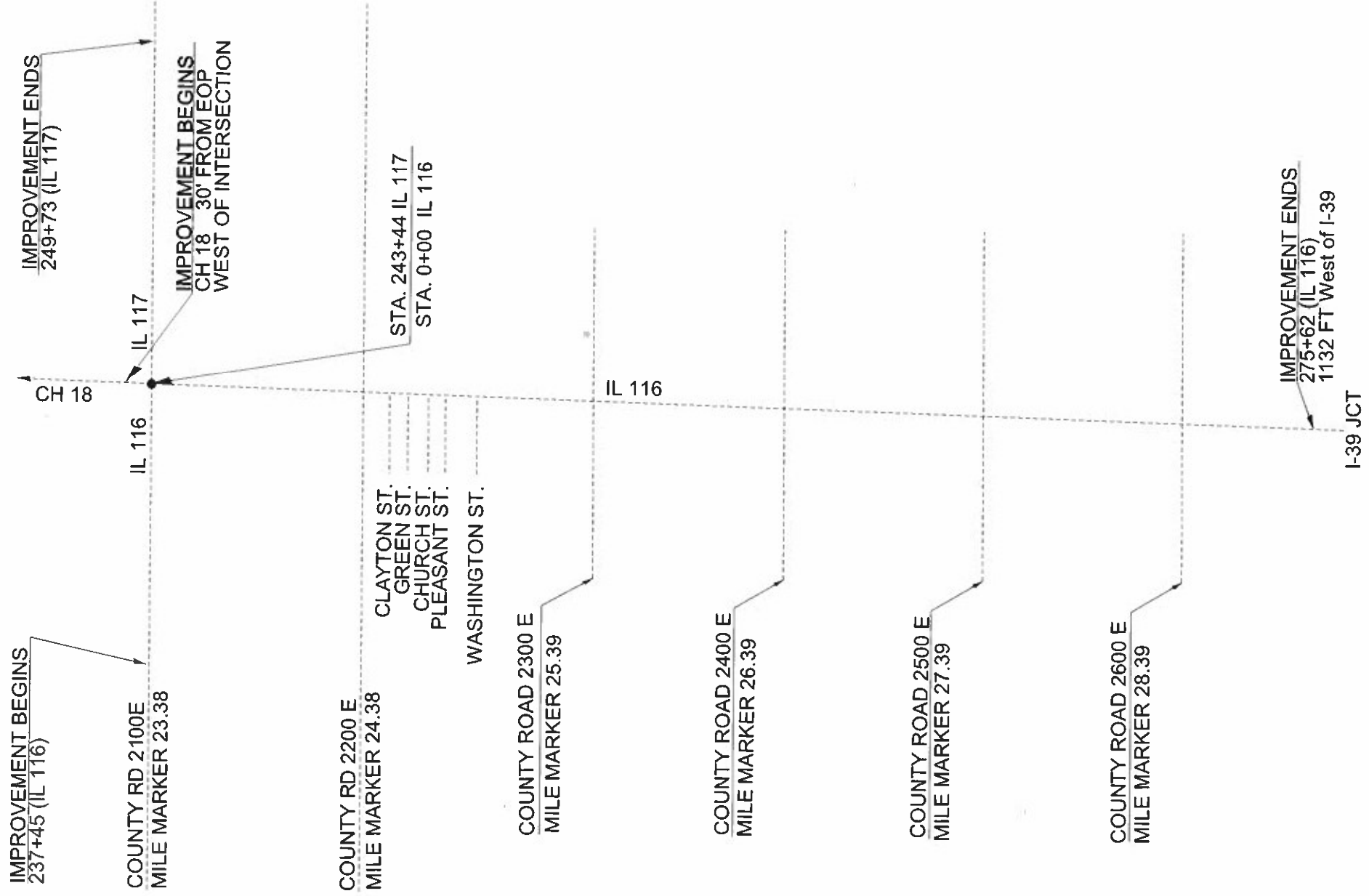
*ROUT AND SEAL TRANSVERSE (WORKING) CRACKS AND SEAL LONGITUDINAL CRACKS



- ① EXISTING PCC PAVEMENT
9-6-9
- ② EXISTING OVERLAY
- ③ EXISTING HMA WIDENING
- ④ PROPOSED CAPE SEAL

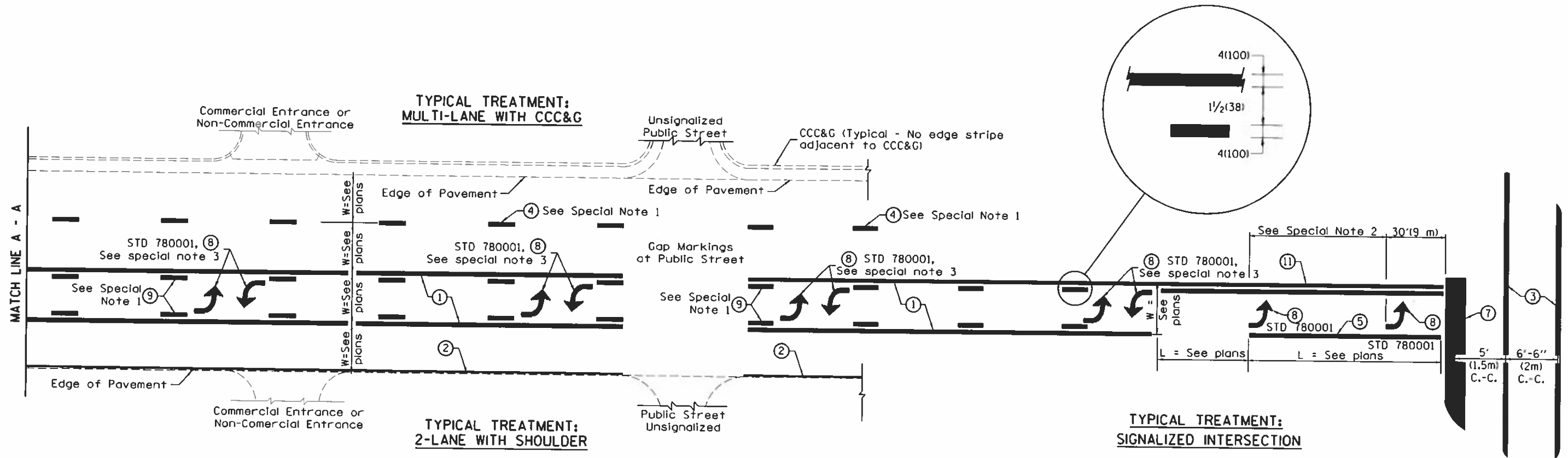
DRAWING NOT TO SCALE

FILE NAME =	USER NAME = KHANALIS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	F.A.P. RTE. 673	SECTION (109,108)RS-5	COUNTY WOODFORD	TOTAL SHEETS 9	SHEET NO. 6
PLOT SCALE = 100,0000 / in.		CHECKED -	REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 68G30		
PLOT DATE = 9/28/2021		DATE -	REVISED -	ILLINOIS FED. AID PROJECT						



DRAWING NOT TO SCALE

FILE NAME : p:\11\dot-pw.bentley.com\PW1001\Documents\1001_001\001\District 4\Projects\04_68030\DRAWING\Drawings\04.....CA00.dgn	USER NAME : KHNAL'S	DESIGNED : DRAWN	REVISED : REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM			F.A.P. RTE. 673	SECTION (109,108RS-5)	COUNTY WOODFORD	TOTAL SHEETS 9	SHEET NO. 7	
PLOT SCALE : 180,0000 / 1/8"	CHECKED : DATE	REVISED : REVISED	REVISED : REVISED					SCALE:	SHEET	OF	SHEETS	STA.	TO



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 45°
- ⑪ 4(100) Double Solid (Yellow) 11(280) C.-C. See Table A

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

DESIGNER NOTES:

1. Include State Standard 780001 (Typical Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DIMS. WITH T.S.	M.A.			

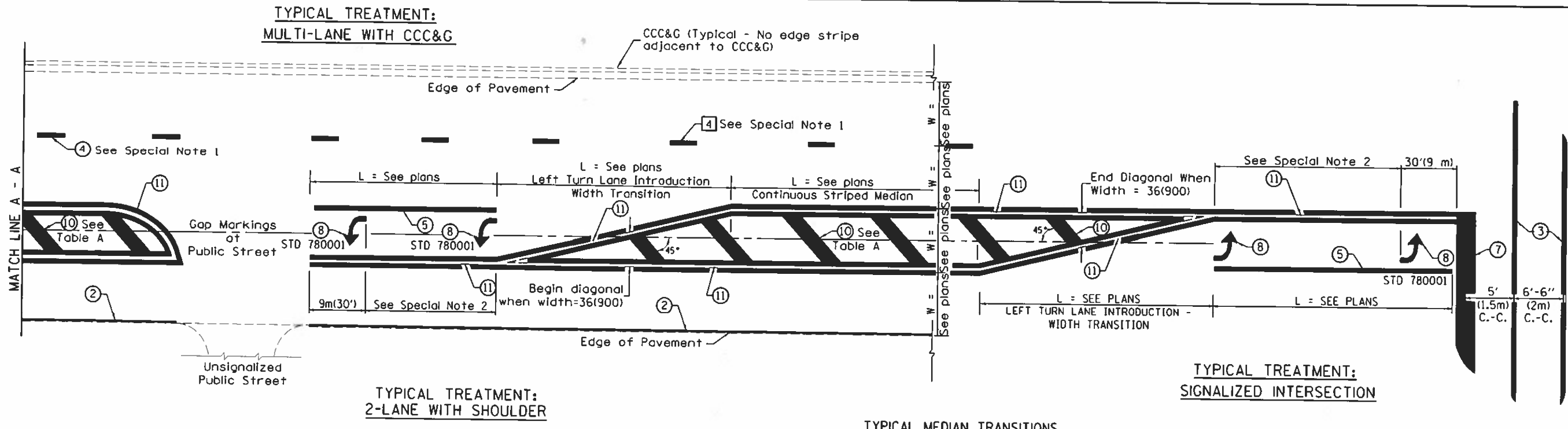
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 1 OF 2
CADD STD. 780001-04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(109,108)R5-5	WOODFORD	9	B
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G30	



TYPICAL TREATMENT:
MULTI-LANE WITH CCC&G

TYPICAL TREATMENT:
2-LANE WITH SHOULDER

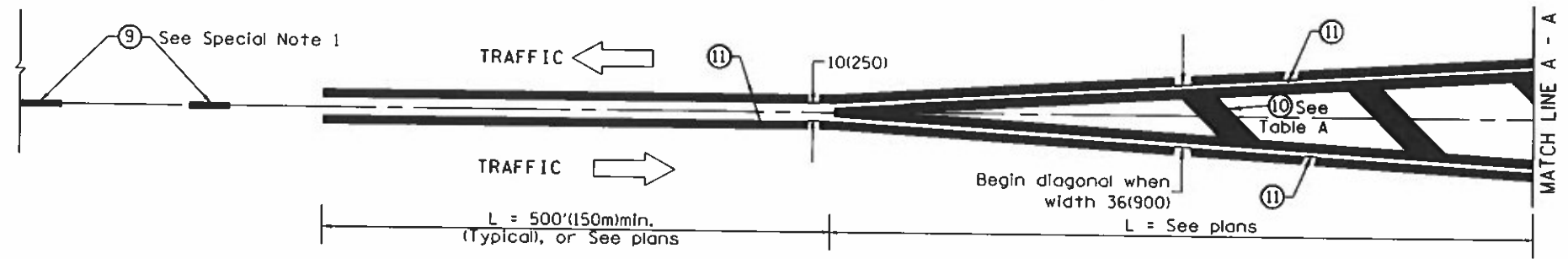
TYPICAL TREATMENT:
SIGNALIZED INTERSECTION

TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

All dimensions are in Inches (millimeters) unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(109.108)RS-5	WOODFORD	9	9
CONTRACT NO. 68G30				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				