

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
639	125RS-6	MERCER	9	1
		ILLINOIS	CONTRACT NO. 68G32	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 639 (IL 17)  
SECTION 125RS-6  
PROJECT STP-TV3(437)  
PAVEMENT PRESERVATION  
MERCER COUNTY  
C-94-053-21

**INDEX OF SHEETS:**

- 1 COVER SHEET
- 2 COMMITMENTS AND JOB SPECIFIC NOTES
- 3 SUMMARY OF QUANTITIES
- 4-5 SCHEDULE OF QUANTITIES
- 6 LINE DIAGRAM
- 7 TYPICAL SECTIONS
- 8-9 DISTRICT STANDARDS

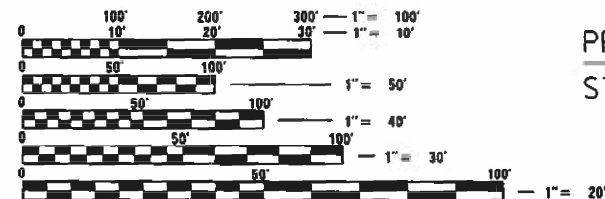
**HIGHWAY STANDARDS**

- 701301-04
- 701306-04
- 701311-03
- 701901-08
- 780001-05
- 781001-04

**DISTRICT STANDARDS**

780001

ADT: 4,250 (2017)  
HCV: 1,092 (25.70%)  
SU: 642 (15.11%)  
MU: 450 (10.59%)

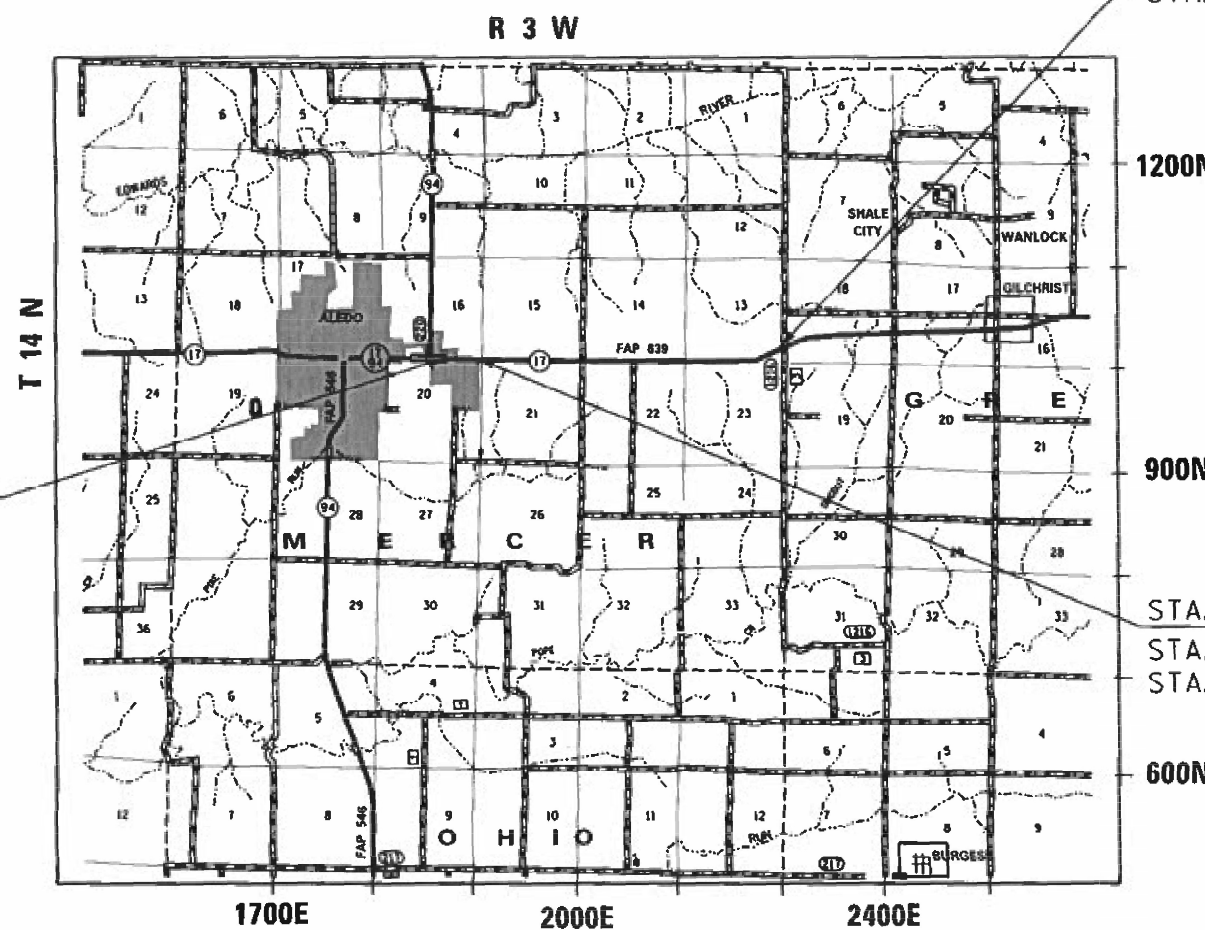


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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: MICHAEL JACOBS (309) 671-3460

CATALOG NO. 036198-00D  
CONTRACT NO. 68G32



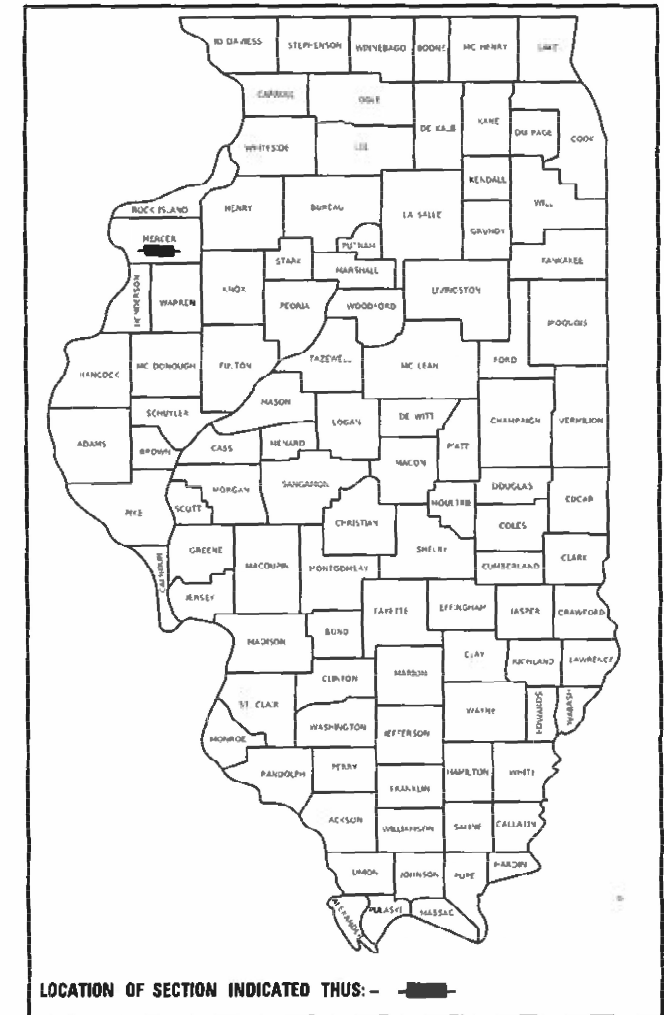
PROJECT BEGINS  
STA. 827+54

PROJECT ENDS  
STA. 1005+06

STA. EQUATION  
STA. 869+25.40 BK=  
STA. 869+28.10 AH

GROSS LENGTH = 17752 FT. = 3.36 MI.  
NET LENGTH = 17752 FT. = 3.36 MI.

D-94-034-21



LOCATION OF SECTION INDICATED THUS: -

**PROJECT DESCRIPTION:**

MICROSURFACING (1-PASS) ON IL 17 FROM E OF IL 94E IN ALEDO TO 220TH ST

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Jan 20 2022*  
*Kensel A Garnett* RSO  
REGIONAL ENGINEER

March 25 2022  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 2022  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MERCER
				COUNTY
				80% FEDERAL
				20% STATE
				0005
40400001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	1000	1000
40400020	BUMP REMOVAL	EACH	25	25
40400118	MICRO-SURFACING, SINGLE PASS	SQ YD	51313	51313
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	11546	11546
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	10	10
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1784	1784
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	595	595
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	82502	82502
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	FOOT	221	221
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	FOOT	221	221
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	13750	13750

\*= SPECIALTY ITEM

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USER NAME	= KHANALS	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
DATE	-	DATE	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	125RS-6	MERCER	9	3
CONTRACT NO. 68G32			ILLINOIS FED. AID PROJECT	

MICRO-SURFACING, SINGLE PASS			
LOCATION	WIDTH	LENGTH	AREA
	FT	FT	SQ.YD
STA 827+54 TO 828+88	28	134	417
STA 828+88 TO 869+25	26	4037	11662
STA EQ 869+25 (BK) = 869+28 (AH)			
STA 869+25 TO STA 1005+00	26	13581	39234
TOTAL			51313

PAINT PAVEMENT MARKING LINE 4"					
DESCRIPTION	STATION	WHITE	DOUBLE YELLOW 4"	SOLIDLINE YELLOW 4"	SKIP DASH YELLOW 4"
		(FOOT)	(FOOT)	(FOOT)	(FOOT)
EDGE OF PAVEMENT	STA 872+54 TO STA 1005+06	35614			
MEDIAN	STA 827+20 TO 828+27		429		
NO PASSING ZONE	STA 828+27 TO STA 836+08			781	200
CENTER LINE	STA 836+08 TO STA 1005+06				4230
		35614	429	781	4430
SUBTOTALS				41251	
TWO APPLICATIONS TOTAL				82502	

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)			
LOCATION	WIDTH	LENGTH	0.025LBS/SQFT
STA 827+54 TO 828+88	28	134	94
STA 828+88 TO 869+25	26	4037	2624
STA EQ 869+25 (BK) = 869+28 (AH)			
STA 869+25 TO STA 1005+06	26	13581	8828
TOTAL			11546

PAVEMENT MARKING REMOVAL -WATER BLASTING	
LOCATION	SQ FT.
STA. 827+54 TO STA. 1005+06	13750
TOTAL	13750

BUMP REMOVAL	
LOCATION	EACH
STA. 827+54 TO STA. 1005+06	25
TOTAL	25

FIBER-MODIFIED ASPHALT CRACK SEALING*	
LOCATION	LENGTH
	FT
STA. 827+54 TO STA. 1005+06	1000
TOTAL	1000

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

MODEL: D:\p\h\...  
 FILE NAME: p\h\...  
 PROJECT: ...  
 USER: ...  
 DATE: ...

USER NAME = lewisar	DESIGNED -	REVISED -
PLOT SCALE = 100 9750 / 1A	DRAWN -	REVISED -
PLOT DATE = 2/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

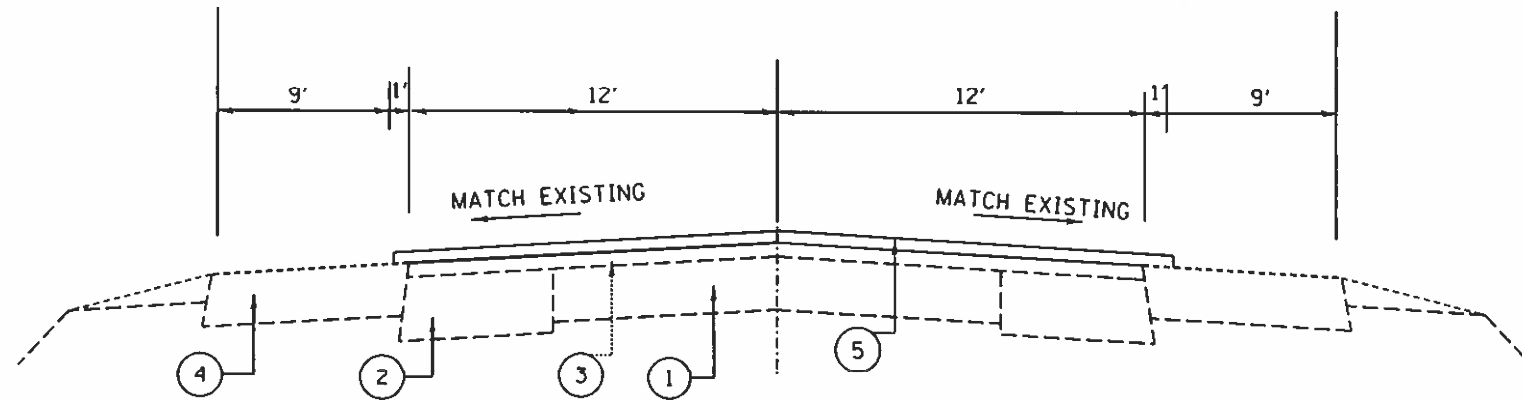
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
639	125RS-6	MERCER	9	4
CONTRACT NO. 68G32			ILLINOIS FED. AID PROJECT	









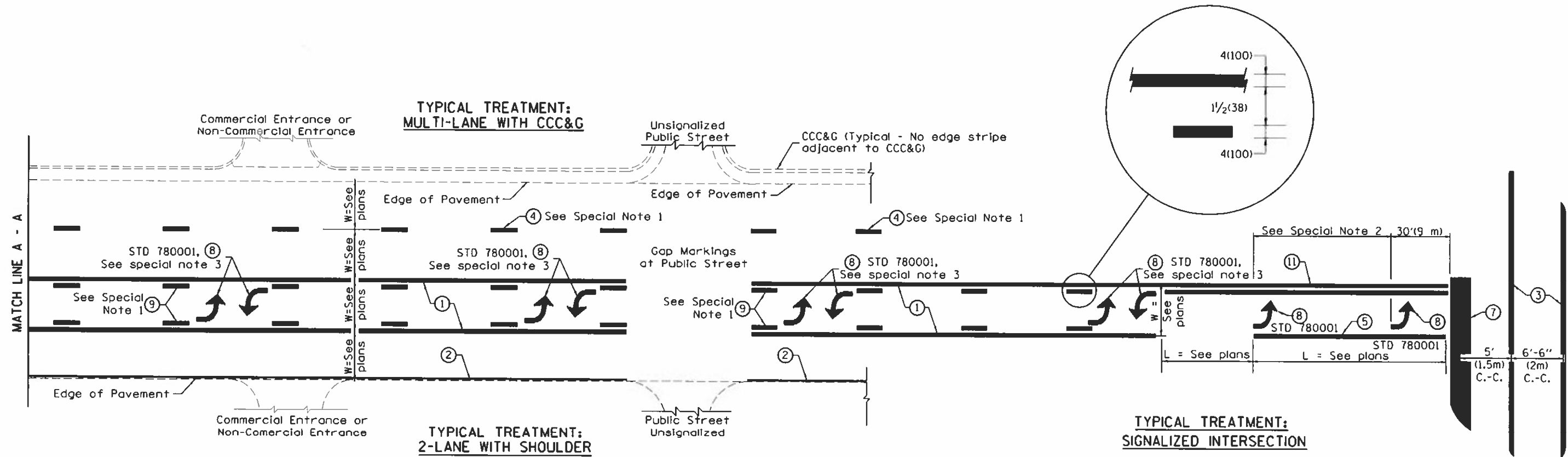
STA. 827+54 TO STA. 1005+06  
 STA. EQUATION = 869+25.40 (BK) = 869+28.10 (AH)

**LEGEND:**

- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING BITUMINOUS BASE COURSE WIDENING
- ③ EXISTING HOT-MIX ASPHALT OVERLAY
- ④ EXISTING ASPHALT SHOULDERS
- ⑤ PROPOSED MICROSURFACING

FILE NAME :	USER NAME : KHANALS	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION ILLINOIS ROUTE 17</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\planroom\dct-illinois.gov\p\100T\Docu	ants\100T Offices\District 4\Projects\04.68	DRAWN	REVISED		639	125RS-6	MERCER	9	7		
Default	PLOT SCALE : 100.0000 ft/in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68G32		(ILLINOIS) FED. AID PROJECT		
	PLOT DATE : 7/28/2021	DATE -	REVISED -								

DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**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**

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

**GENERAL NOTES**

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

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.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DIMS. WITH T.S.	M.A.		

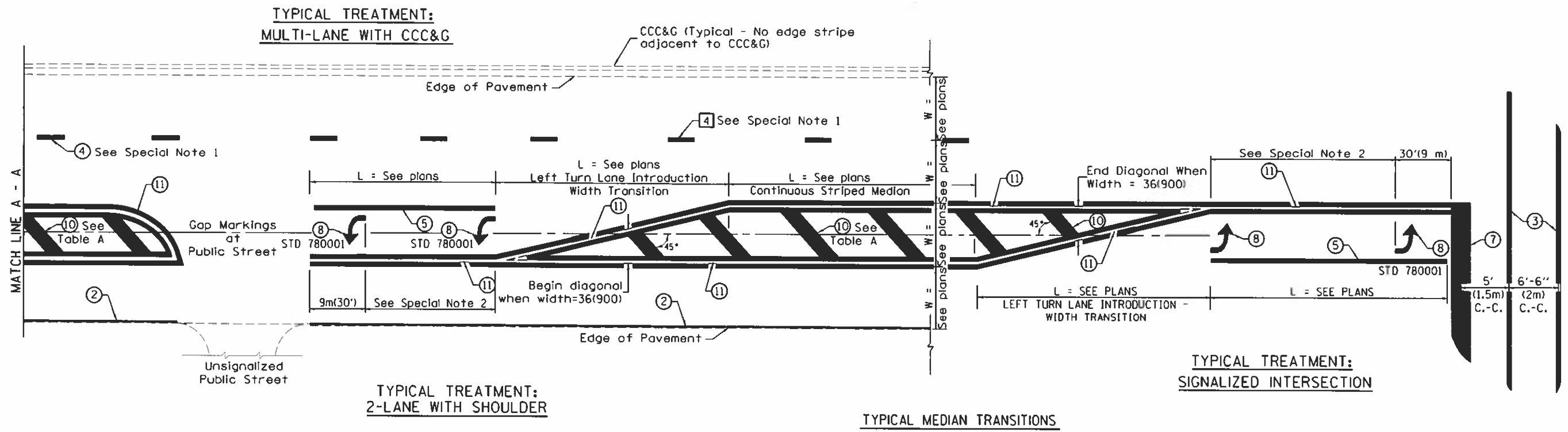
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL PAVEMENT MARKINGS**

NOT TO SCALE

SHT. 1 OF 2  
CAOD STD. 780001-04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
639	125RS-6	MERCER	9	8
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 68G32	



TYPICAL TREATMENT:  
MULTI-LANE WITH CCC&G

TYPICAL TREATMENT:  
2-LANE WITH SHOULDER

TYPICAL TREATMENT:  
SIGNALIZED INTERSECTION

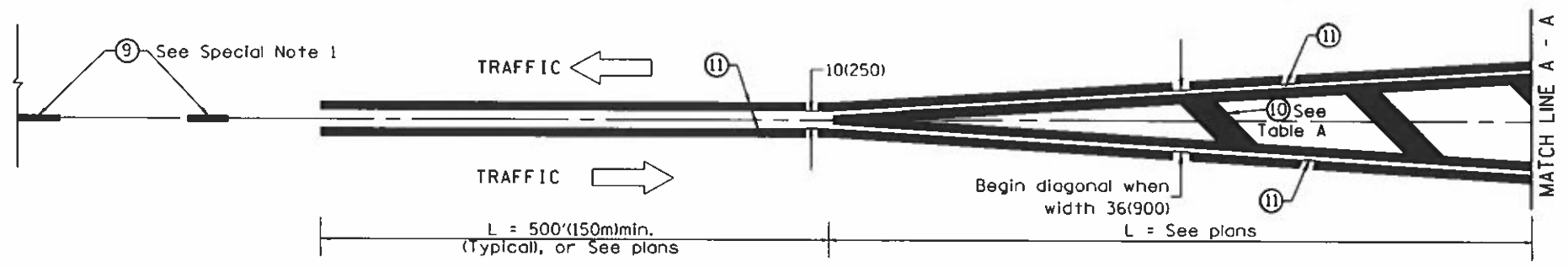
TYPICAL MEDIAN TRANSITIONS

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  
CAOD STD. 780001-04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
639	125RS-6	MERCER	9	9
CONTRACT NO. 68G32				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				