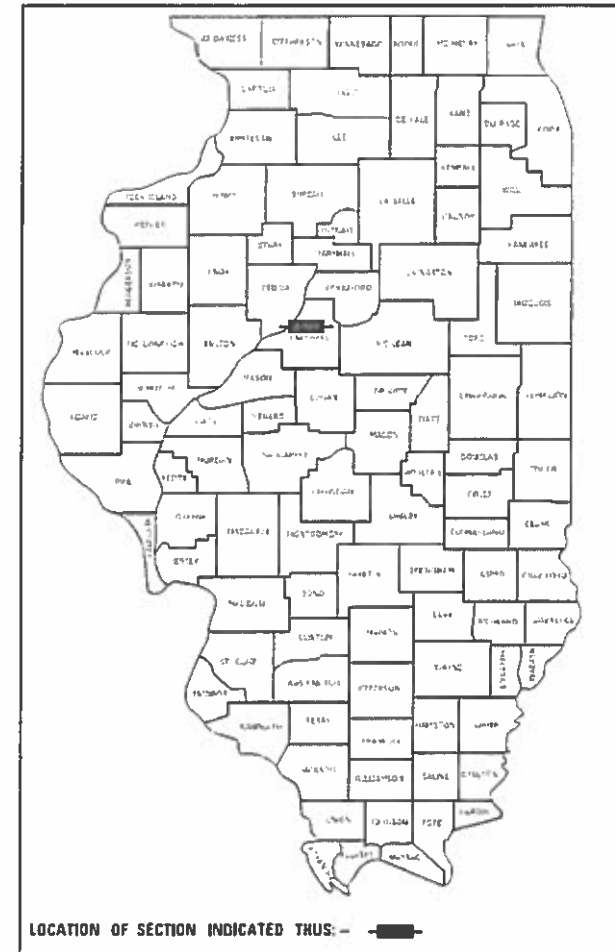


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	1
CONTRACT NO. 68E73				

D-94-009-19



INDEX OF SHEETS

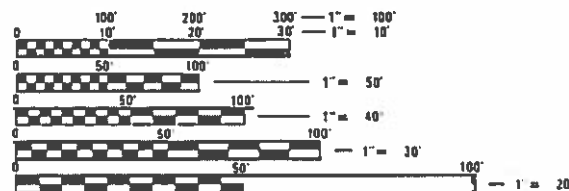
1. COVER SHEET
2. COMMITMENTS, GENERAL NOTES, HMA MIXTURE REQUIREMENTS, & JOB SPECIFIC NOTES
- 3-4. SUMMARY OF QUANTITIES
5. SCHEDULE OF QUANTITIES
6. TYPICAL SECTION
7. DETOUR
8. PROPOSED PLAN
9. PROPOSED PAVEMENT MARKINGS
- 10-14. CADD STANDARDS

HIGHWAY STANDARDS

- 442101-09
- 701427-05
- 701451-05
- 701602-10
- 701901-08
- 780001-05

DESIGN DESIGNATION

- URBAN
- 2014 ADT = 2750
 - 2014 MU = 40
 - 2014 SU = 100



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
1-880-892-0123
OR 811

PROJECT ENGINEER: RICH DOTSON (309) 671-3455
PROJECT MANAGER: ANNA DEVINE (309) 671-3475
CATALOG NO. 035672-00D
CONTRACT NO. 68E73

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 404 (IL 40)
SECTION 13RS-2
PROJECT N/A
CONTRACT MAINTENANCE
TAZEWELL COUNTY
C-94-012-19



GROSS LENGTH = 533.0 FT. = 0.1 MILE
NET LENGTH = 533.0 FT. = 0.1 MILE

DESCRIPTION:

THIS PROJECT LOCATION IS THE ON-RAMP FROM WESTBOUND WASHINGTON STREET TO INTERSTATED 74 IN EAST PEORIA. THE PROJECT CONSISTS OF CLASS B PATCHING, MILL AND OVERLAY, PAVEMENT MARKINGS, AND ANY OTHER COLLATERAL WORK NEEDED TO COMPLETE THIS PROJECT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 7, 2019

Paul G. Thomas
REGION THREE ENGINEER

May 10, 2019
Eric A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2019
Paul P. Chif
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

GENERAL NOTES

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * **BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)**
- * **BDE Form 2290 (Waste/Use Area Review)**
- * **A location map showing the size limits and location of the use area**
- * **Color photographs depicting the use area**
- * **Borrow Area Entry Agreement form – D4 PI0101**

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

MIX REQUIREMENTS

The following mixture requirements are applicable for this project:

Mixture Use(s):	Polymer Surface 1.5"	Polymer Level Binder 1.5"	HMA Shoulders (2 Lifts of 1.5")
AC/PG:	SBS or SBR 76-28	SBS or SBR 76-28	SBS or SBR 76-28
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 9.5
Friction Aggregate:	Mix D	Mix D	Mix D
Quality Management Program:	QCQA	QCQA	QCQA

*Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.
 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
 3) Sublot sizes for PFP and QCP mixes will be 600 tons, unless otherwise agreed to by the Engineer and the paving contractor.*

JOB SPECIFIC NOTES

The Contractor shall contact Tony Bridson, IDOT District 4 Traffic Signal Technician, at (309) 370-7522, 7 days in advance of any below ground post installations to locate state owned facilities not on JULIE.

MODEL: 140BDELMAMES
FILE NAME: 31113

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMITMENTS, GENERAL NOTES,
HMA MIXTURE REQUIREMENTS, & JOB SPECIFIC NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	2
CONTRACT NO. 68E73				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	0005
					ROADWAY
					100% STATE
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1928	1928	
40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	TON	77	77	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	55	55	
40603535	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	77	77	
44000161	HOT - MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1284	1284	
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	107	107	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	22	22	
44201298	DOWEL BARS 1 1/4"	EACH	120	120	
44201299	DOWEL BARS 1 1/2"	EACH	36	36	
44213200	SAW CUTS	FOOT	714	714	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	72	72	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	34	34	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	24	24	

MODEL: #MODELNAME\$
FILE NAME: \$FILE\$

USER NAME = \$USER\$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	3
CONTRACT NO. 68E73				

ILLINOIS FED. AID PROJECT

LOCATION	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 3"	POLY. LEVELING BINDER (MACHINE METHOD), N50	POLY HMA SURFACE COURSE, MIX "D", N50	HMA SHOULDERS	POLY. BIT. MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	
						1.5"	1.5"		3"		0.08 LBS/SQ FT 2 APPLICATIONS
	FT	FT	SQ. FT.	SQ. YD.	SQ. YD.	TON	TON	TON	POUND	TON	
GORE AREA	26	7.5	195	7.3	14.37	1.8	1.8		31.2	3.6	
RAMP LANE*	533	15	7995	32.2	856.13	75	75		1279.2	150	
RT SHOULDER	28	3	84	3.3	6.03			1.57	13.44	1.57	
	22	4.5	99		11			1.85	15.84	1.85	
	469	6	2814		312.67			52.53	450.24	52.53	
	92	7	644	7.8	63.76			12.02	103.04	12.02	
LT. SHOULDER	55	4	220	4.4	20.04			4.11	35.2	4.11	
<i>SUB-TOTAL</i>					<i>55</i>	<i>1284</i>	<i>76.8</i>	<i>76.8</i>	<i>72.1</i>	<i>1928.2</i>	<i>225.7</i>
TOTAL					55	1284	77	77	72	1928	226

* Ramp Lane includes 1' pan overlay

LOCATION	SIZE			AREA	# OF PATCHES	CLASS B PATCHES, TYPE II, 9 INCH	CLASS B PATCHES, TYPE II, 13 INCH	DOWEL BARS 1 1/4"	DOWEL BARS 1 1/2"	SAW CUTS
	FT.	x	FT.	SQ. YD.		SQ. YD.	SQ. YD.	EACH	EACH	FOOT
RAMP ND	4	x	14	6.22	1		6.22		12	50
	4.5	x	14	7.00	1	7		12		51
	5	x	14	7.78	2		15.56		24	104
	6	x	14	9.33	2	18.66		24		108
	7	x	14	10.89	5	54.45		60		280
	9	x	14	14.00	1	14		12		60
	8	x	15	13.33	1	13.33		12		61
<i>SUB-TOTAL</i>						<i>107.44</i>	<i>21.78</i>	<i>120</i>	<i>36</i>	<i>714</i>
TOTAL						107	22	120	36	714

LOCATION	MOBILIZATION	TRAFFIC CONTROL AND PROTECTION SPECIAL	CHANGEABLE MESSAGE SIGN
	L SUM	L SUM	CAL DA
JOBSITE	1.0	1.0	34.0
TOTAL	1.0	1.0	34.0

2 Boards @ 17 days each

LOCATION	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
	WHITE	YELLOW	WHITE		
	FOOT	FOOT	FOOT	FOOT	SQ FT
GORE AREA (BOTTOM OF RAMP)	138.0	-	-	-	-
LT. SIDE	40.0	532.0	-	-	-
RT. SIDE	624.0	-	-	24.0	8.0
GORE AREA (TOP OF RAMP)	-	-	355.0	-	-
<i>SUB-TOTAL</i>	<i>802.0</i>	<i>532.0</i>	<i>355.0</i>	<i>24.0</i>	<i>8.0</i>
TOTAL	1334.0		355.0	24.0	8.0

MODEL: 440DELMAMES
FILE NAME: 3115

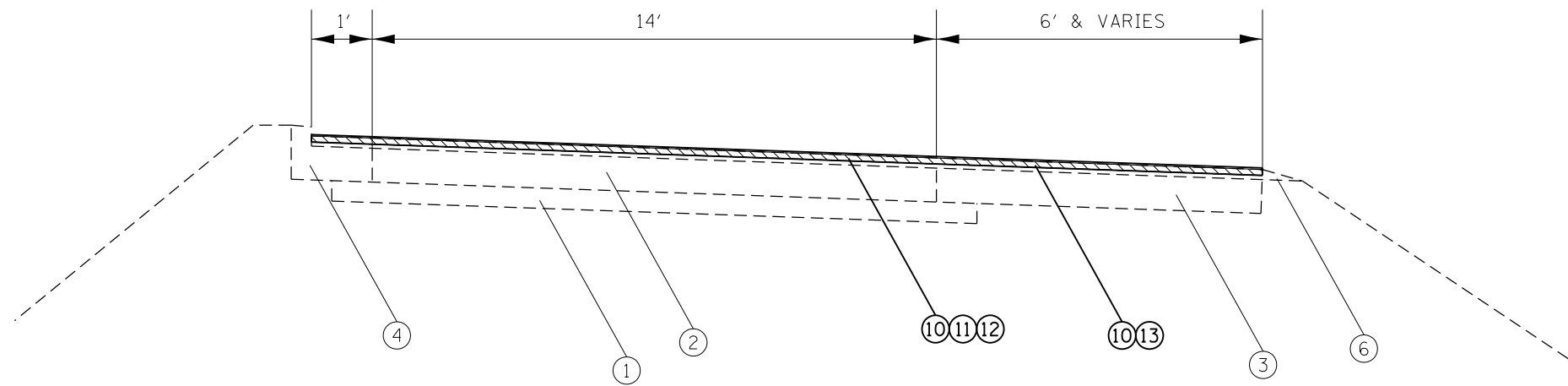
USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALES	CHECKED -	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

**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.
404	13RS-2	TAZEWELL	14	5
CONTRACT NO. 68E73				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
RAMP "ND"

LEGEND

- | | |
|--|---------------------------------------|
| ① EXIST. SUB-BASE GRANULAR MATERIAL 6" | ⑩ PROP. HMA SURF. REMOVAL - 3" |
| ② EXIST. PCC PAVEMENT - 10" | ⑪ PROP. LEVELING BINDER - 1.5" |
| ③ EXIST. BIT. SHOULDERS - 10" | ⑫ PROP. HMA SURF. MIX "D", N50 - 1.5" |
| ④ EXIST. CURB AND GUTTER | ⑬ PROP. HMA SHOULDER - 3" |
| ⑤ EXIST. BIT. OVERLAY - 3" | |
| ⑥ EXIST. AGGREGATE SHOULDER | |

MODEL: \$MODELNAME\$
FILE: \$NAME\$. \$FILE\$

DRAWING NOT TO SCALE

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

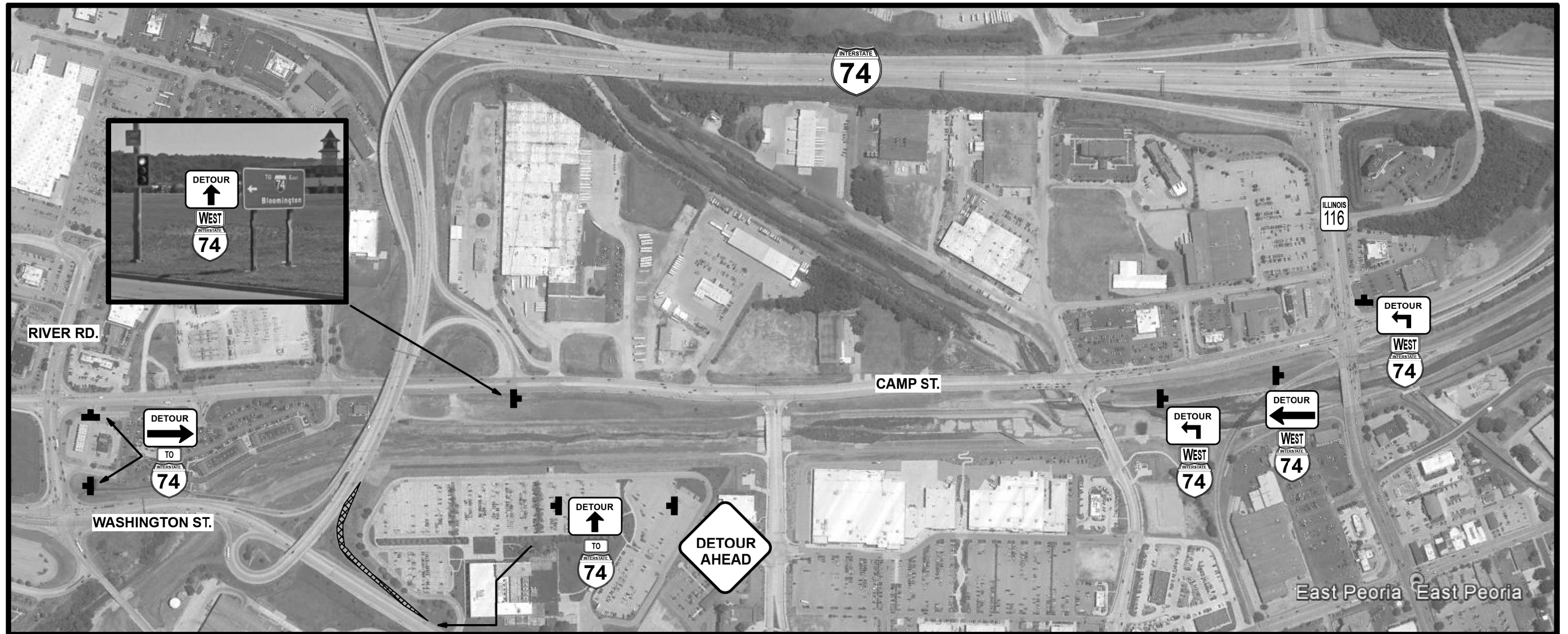
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES /TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E73	

I-74 ENTRANCE RAMP DETOUR



ENTRANCE RAMP CLOSED WITH LIT TYPE 3 BARRICADES AND ROAD CLOSED SIGN.

MODEL: 140DELMARIES
FILE NAME: 071113

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$CALES	CHECKED -	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	7
CONTRACT NO. 68E73				
ILLINOIS FED. AID PROJECT				



MODEL: MODELNAMES
FILE: MODELNAMES.STYLES

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	8
CONTRACT NO. 68E73				
ILLINOIS FED. AID PROJECT				



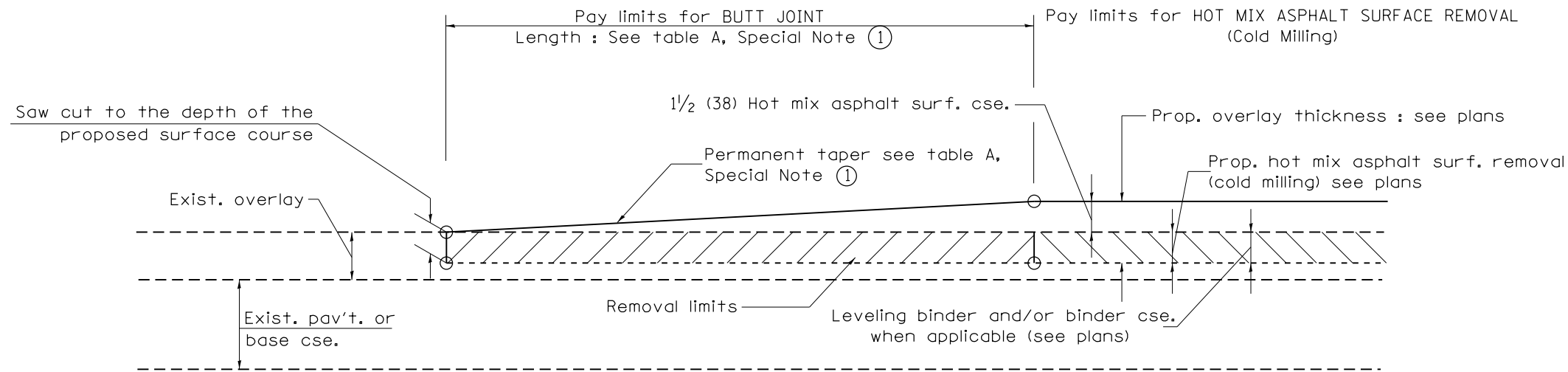
MODEL: \$MODELNAME\$
 FILE NUMBER: \$FILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKINGS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	9
CONTRACT NO. 68E73				
ILLINOIS FED. AID PROJECT				



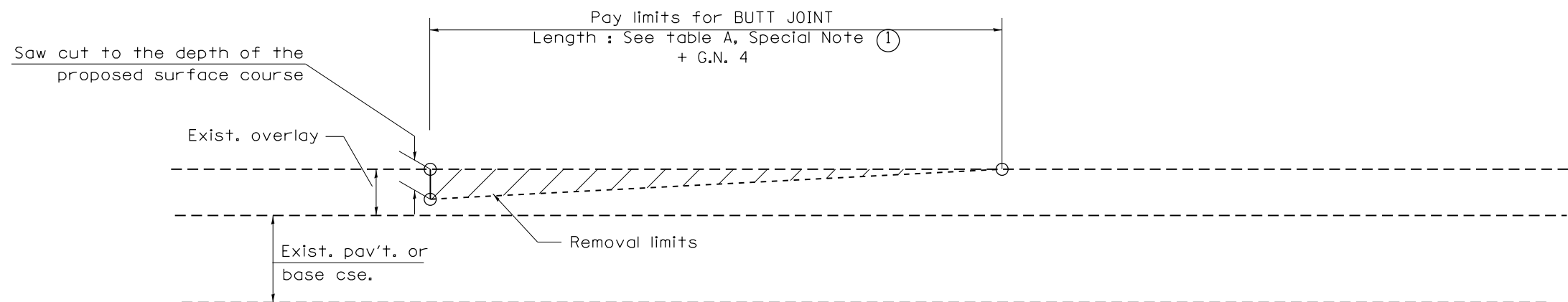
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.



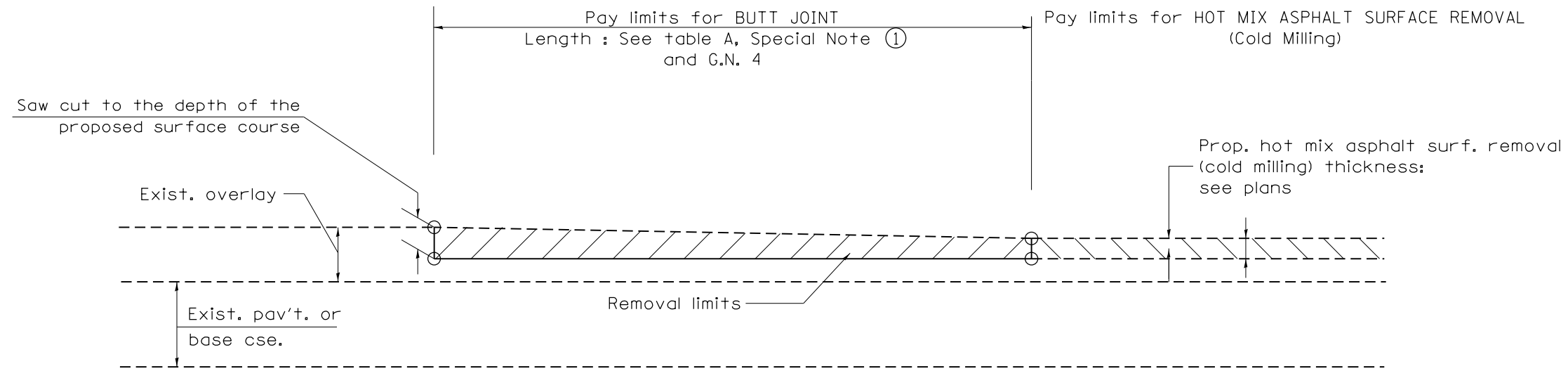
CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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

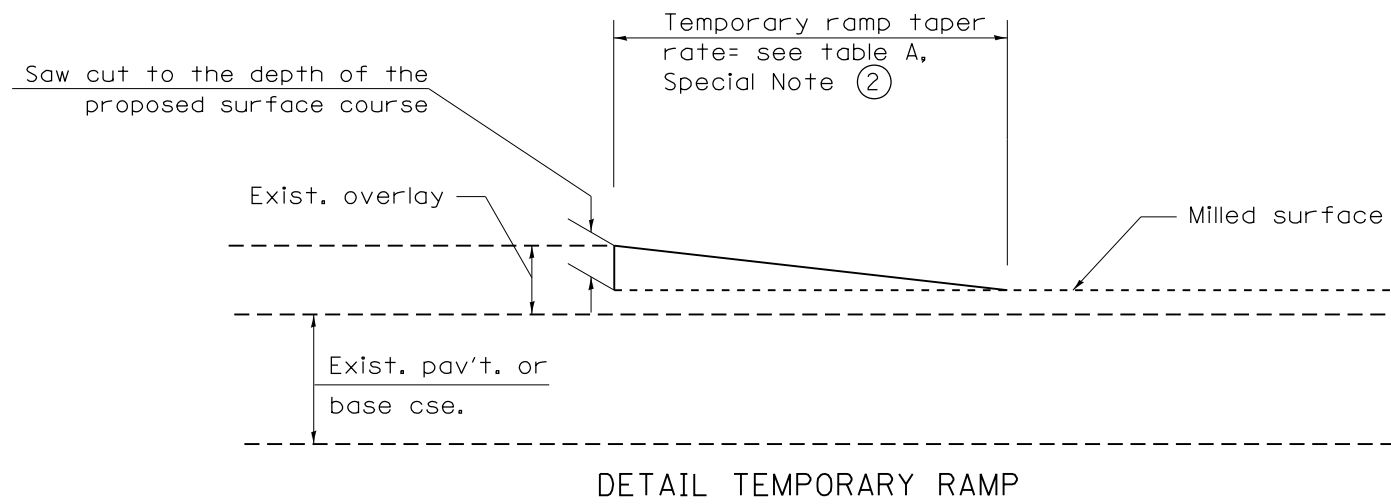
01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.	08-21-13	MAJOR MODIFICATIONS	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-01-97	CORRECTION TO DEPTH	J.A.	02-29-16	MINOR CORRECTIONS	R.D.			404	13RS-2	TAZEWELL	14	10
09-15-05	REVISED DESIGNER NOTE	M.M.A.	04-12-16	MINOR CORRECTIONS	R.D.			CONTRACT NO. 68E73				
10-16-06	REVISED TO 2007 SPEC.	M.A.	02-14-17	ADDED NOTE 5	R.D.			ILLINOIS FED. AID PROJECT				

NOT TO SCALE

SHT. 1 OF 3
CADD STD. 406101-D4



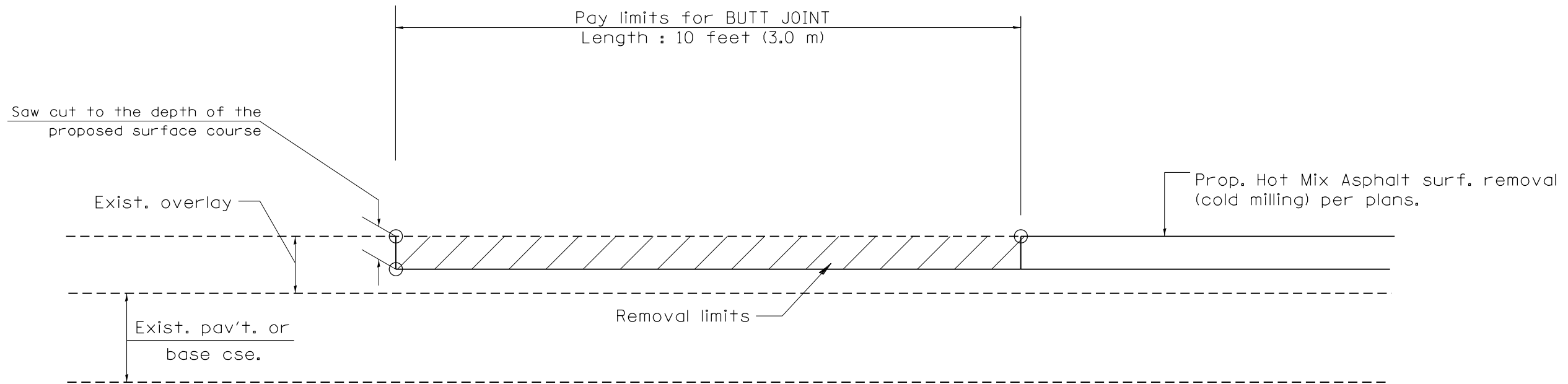
CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER



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

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
404	13RS-2	TAZEWELL	14	11					
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		CONTRACT NO. 68E73				

NOT TO SCALE



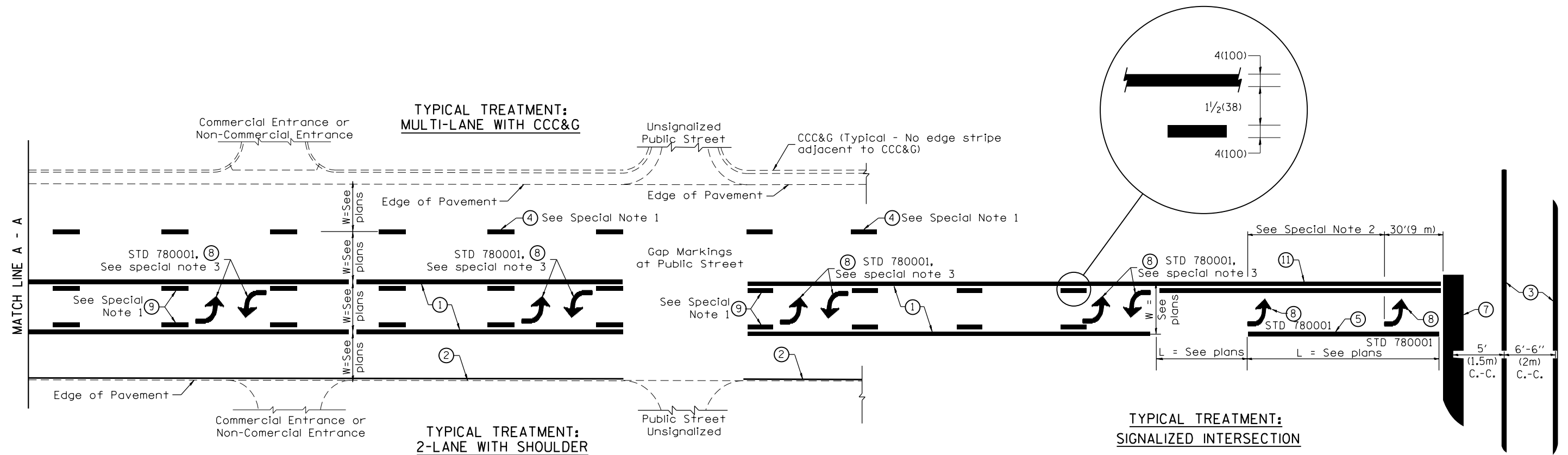
CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

						STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 3 OF 3 CADD STD. 406101-D4		F.A.P. RTE. 404		SECTION 13RS-2		COUNTY TAZEWELL		TOTAL SHEETS 14		SHEET NO. 12	
												FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT						CONTRACT NO. 68E73	

NOT TO SCALE

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

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)

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 DMNS. WITH T.S.	M.A.			

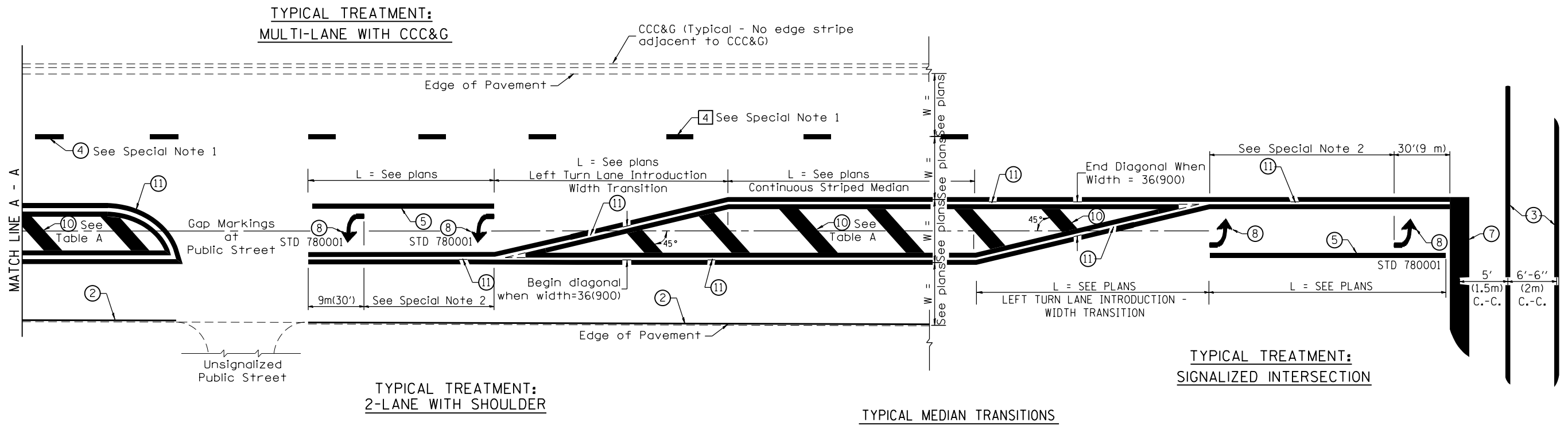
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SH. 1 OF 2
CADD STD. 780001-D4

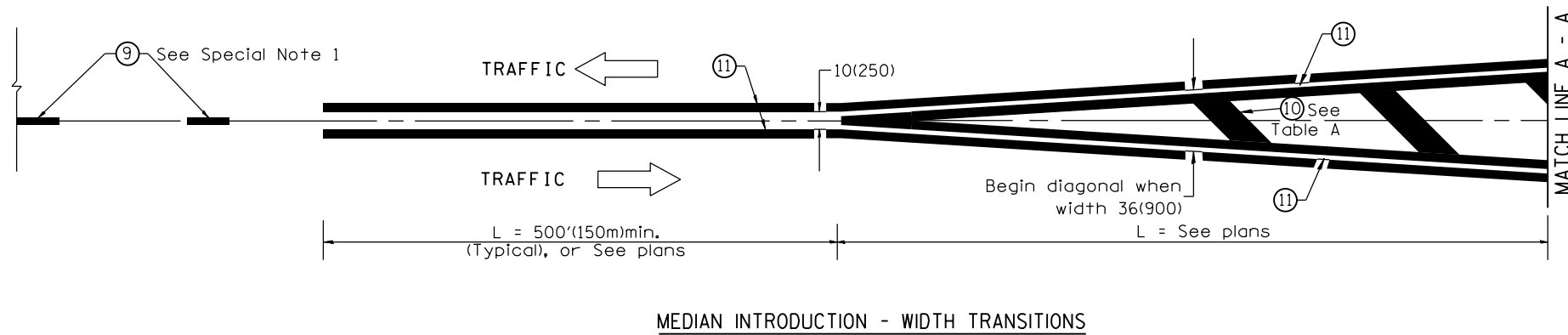
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
404	13RS-2	TAZEWELL	14	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E73	



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)



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