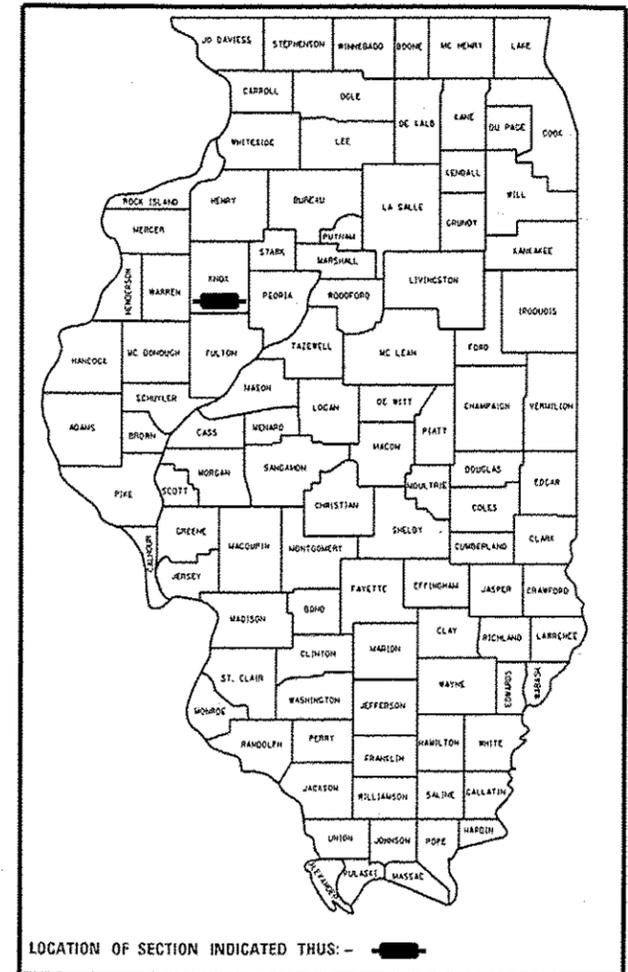


F.A.S 1195	SECTION (110)I-1;(108X-1,112)I	COUNTY KNOX	TOTAL SHEETS 16	SHEET NO. 1
IL 180	ILLINOIS	CONTRACT NO. 68C04		

D-94-046-14



INDEX OF SHEETS, 04-24*2015 LETTING ITEM 054

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAS 1195 ROUTE IL 180
SECTION (110)I-1; (108X-1, 112)I

TYPE of IMPROVEMENT,
HMA WIDENING & PARTIAL DEPTH PATCHING
KNOX COUNTY

C-94-103-14

IMPROVEMENT ENDS
STA. 272+96

1. COVER SHEET & SIGNATURE
- 2-3. GENERAL NOTES
4. SUMMARY OF QUANTITIES
5. TYPICAL SECTION
6. LINE DIAGRAM
- 7-8. SCHEDULE OF QUANTITIES
9. WIDENING & REMOVAL DETAIL
- 10-16. CADD STANDARDS

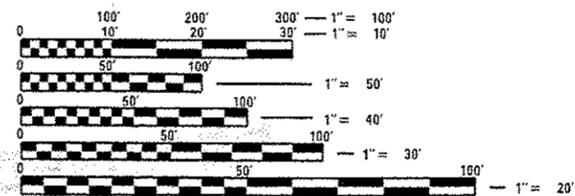
HIGHWAY STANDARDS

- 701301-04
- 701306-03
- 701311-03
- 701326-04
- 701901-04

CADD STANDARDS - INCLUDED AS SHEETS 10-16.

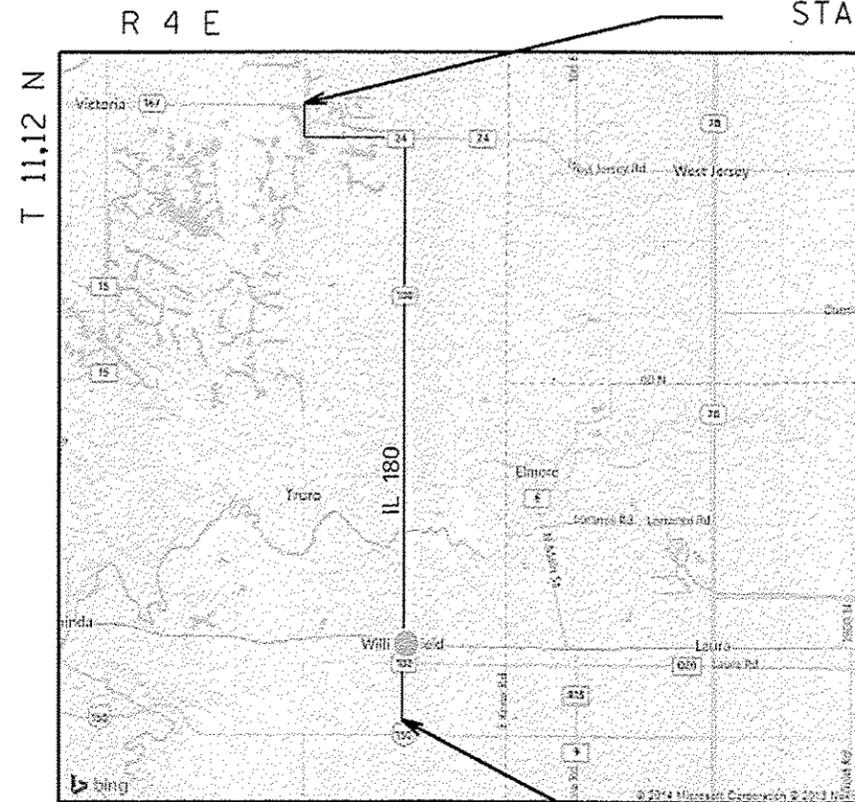
- 406101-D4
- 440001-D4
- 440101-D4
- 780001-D4

ADT = 1700/14
MU = 4.55 %



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



GROSS LENGTH = NET LENGTH = 55,007 FT. = 10.42 MILE

IMPROVEMENT BEGINS
STA. 72+64

HMA Widening & Partial Depth Patching
on IL 180 (Williamsfield) from IL 167 Junct.
To US 150.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 8 20 15
Kenneth G. Sherrill
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 20 20 15
John D. Baranzelli P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 20 15
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: Christopher Maushard, 309-671-3453
PROJECT MANAGER: Michael Hudelson, 309-671-3466
CONTRACT NO. 68C04
CATALOG NO. 035142-00D

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. No Commitments were made.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

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.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to 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.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * 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

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.

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2,3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways – outside edge of pavement in both directions
- * Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format “XXX (XX+X00)” where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface Course 2"
ACPC:	PG 64-22
Design Air Voids:	4% N=50
Mixture Composition: (Gradation Mixture)	IL 9.5
Friction Aggregate	MIXTURE D (Dolomite Only)
Quality Management Program	QC/QA

Notes: 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 aggregate size.

FILE NAME : spring rd repair IL (10,25-71,100) 2014.dgn	USER NAME : c. aubreygg	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. 1199	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE : 100,0000 / 1 in.	DRAWN - _____	REVISED - _____			RTE.	(1101-1; 1108X-1, 1121)	KNOX	16	2	
	PLOT DATE : 1/23/2015	CHECKED - _____	REVISED - _____			IL 180					CONTRACT NO. 68C04
		DATE - _____	REVISED - _____								ILLINOIS FED. AID PROJECT
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____											

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

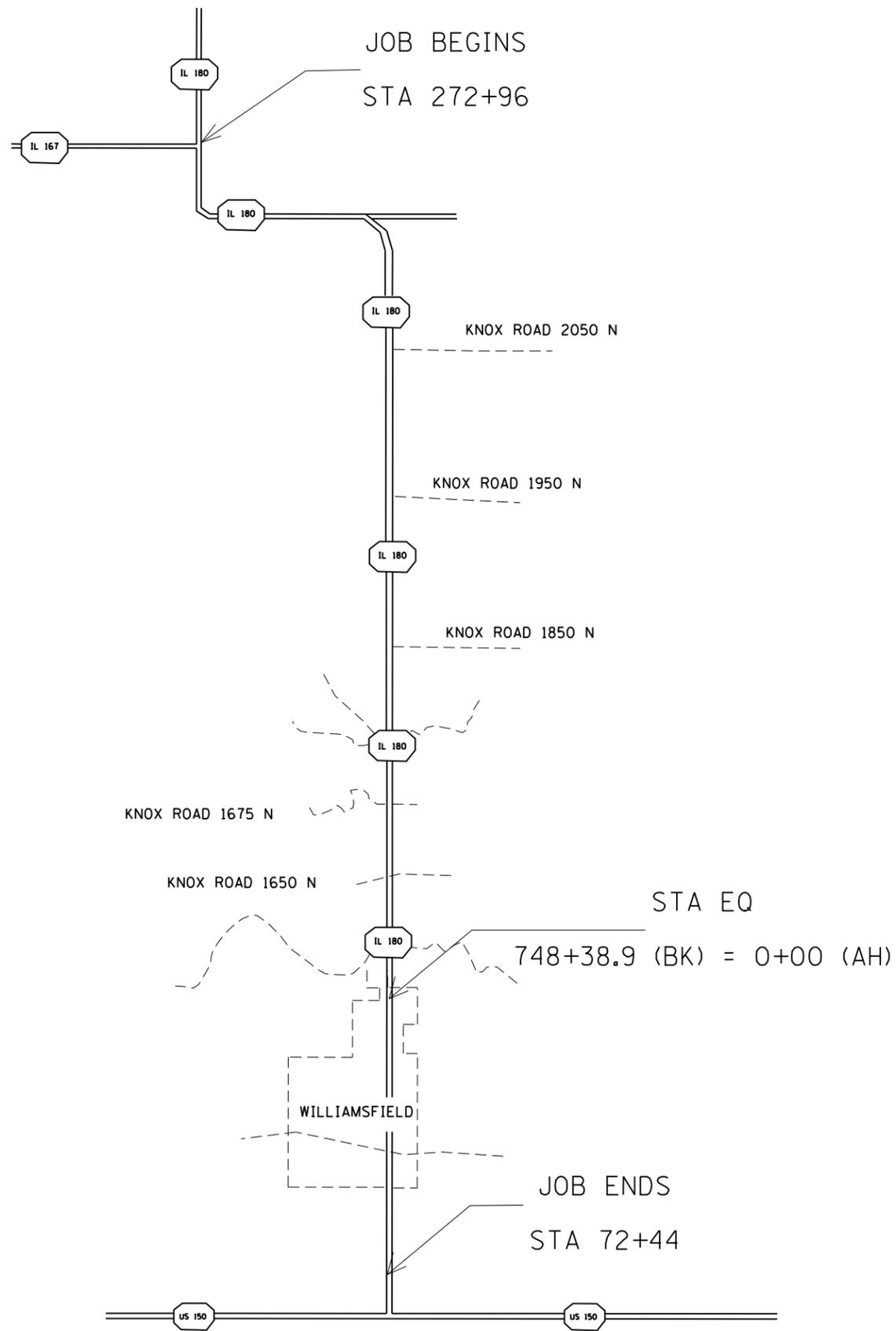
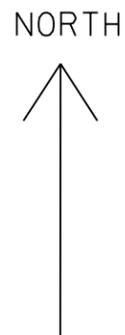
FILE NAME : spring rd repair IL 110,26-71,1801 2014.dgn	USER NAME : subpragn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Defaults	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			RTE. IL 180	(110)-1, (108)-1, (112)-1	KNOX	16	3
	PLOT DATE = 1/8/2015	DATE -	REVISED -			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	CONTRACT NO. 68C04 [ILLINOIS] FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE	
				0094	
				KNOX	100% STATE
35501300	HOT - MIX ASPHALT BASE COURSE, 4"	SQ YD	7077	7077	
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	6600	6600	
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1187	1187	
44000100	PAVEMENT REMOVAL	SQ YD	7077	7077	
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SQ YD	3539	3539	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	32886	32886	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	32886	32886	
X4406620	PARTIAL DEPTH REMOVAL, TYPE IV, 2"	SQ YD	1116	1116	
X4421000	PARTIAL DEPTH PATCHING	TON	126	126	
Z0004910	HOT-MIX ASPHALT FOR PATCHING POTHOLES (HOT MIX)	TON	10	10	

15

* SPECIALTY ITEM

FILE NAME : spring rd repair IL 110,25-71,100 2014.dgn	USER NAME : aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. 1185	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE * 100.0000 / in.	CHECKED -	REVISED -	REVISED -			RTG	110H-1; 108X-1, 112I	KNOX	16	4
PLOT DATE * 1/8/2015	DATE -	REVISED -	REVISED -			IL 180		CONTRACT NO. 68C04		
						ILLINOIS REG. AID PROJECT				



STA EQ	
532+00 (BK)	= 534+00 (AH)
668+95.38 (BK)	= 666+95.38 (AH)
674+00 (BK)	= 672+00 (BK)
748+38.9 (BK)	= 0+00 (AH)

NOT TO SCALE

FILE NAME = spring rd repair IL (18,26-71,180) 2014.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____
		DRAWN - _____	REVISED - _____
		CHECKED - _____	REVISED - _____
		DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1195	(110)I-14(108X-1,112)I	KNOX	16	6
RTE: IL 180			CONTRACT NO. 68C04	
ILLINOIS FED. AID PROJECT				

MOBILIZATION		L SUM
JOB SITE		1
TOTAL		1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701306		L SUM
JOB SITE		1
TOTAL		1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701326		L SUM
JOB SITE		1
TOTAL		1
TRAFFIC CONTROL AND PROTECTION SURVEILLANCE		CAL DA
JOB SITE		10
TOTAL		10
ENGINEER'S FIELD OFFICE, TYPE A		CAL MO
JOB SITE		2
TOTAL		2
HOT MIX ASPHALT FOR PATCHING POTHOLES (HOT MIX)		TON
JOB SITE		10
TOTAL		10
POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)		TON
WIDENING		2.8
PARTIAL DEPTH PATCHES		0.4
POTHOLES		0.1
TOTAL		3.3

PARTIAL DEPTH PATCHING						
LOCATION	DIMENSIONS			AREA	PARTIAL DEPTH	PARTIAL
					REMOVAL	DEPTH
				SQ YD	SQ YD	TON
	12	x	50	66.7	66.7	7.5
	12	x	50	66.7	66.7	7.5
272+96 to 614+90 LT	12	x	50	66.7	66.7	7.5
	12	x	50	66.7	66.7	7.5
	12	x	50	66.7	66.7	7.5
272+96 to 614+90 RT	12	x	50	66.7	66.7	7.5
	12	x	50	66.7	66.7	7.5
614+90 to 616+37 RT	12	x	53	70.7	70.7	8
615+32 to 615+55 LT	12	x	52	69.3	69.3	7.8
616+93 to 617+45 RT	12	x	23	30.7	30.7	3.5
620+34 to 621+03 LT	12	x	69	92	92	10.4
UNDER VIADUCT LT	12	x	70	93.3	93.3	10.5
UNDER VIADUCT RT	12	x	70	93.3	93.3	10.5
TOTAL				582.7	1116.3	125.7

PAINT PAVEMENT MARKING - LINE 4"	LINE	SKIP
	EDGE	CL
TEMPORARY PAVEMENT MARKING - LINE 4"	WHITE	YELLOW
	FOOT	FOOT
WIDENING	31,840	0
PARTIAL DEPTH PATCHES	837	209
TOTALS	32,677	209
GRAND TOTAL	32,886	

FILE NAME = spring rd repair IL (18,26-71,180) 2014.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____
Default	PLOT SCALE = 105.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 1/8/2015	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

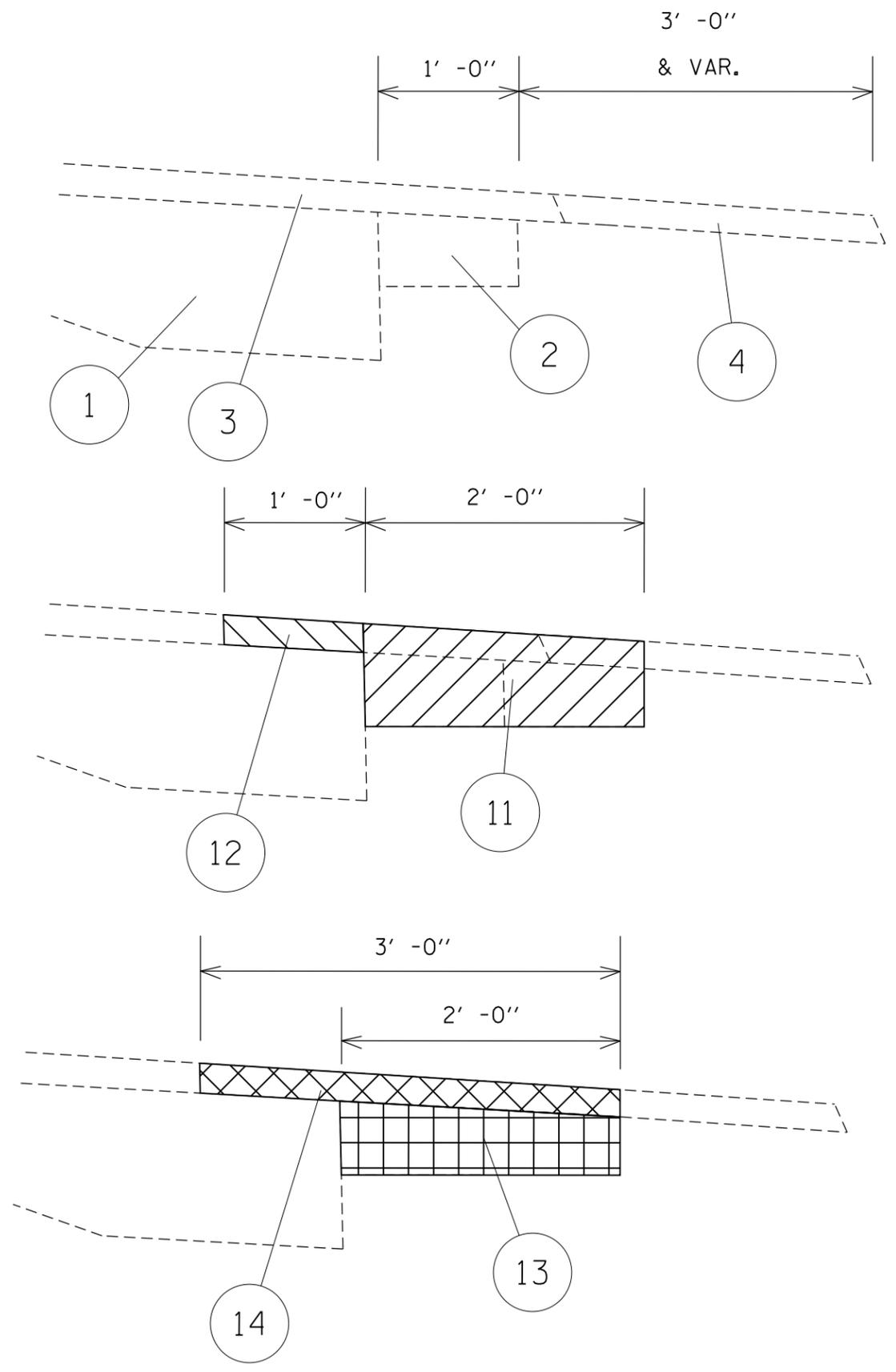
SCHEDULE OF QUANTITIES

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

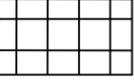
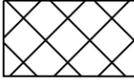
F.A.S. 1195	SECTION (110)I-1;(108X-1,112)I	COUNTY KNOX	TOTAL SHEETS 16	SHEET NO. 7
RTE: IL 180		CONTRACT NO.68C04		
ILLINOIS FED. AID PROJECT				

WIDENING TABLE							
			LENGTH	HMA SURFACE REMOVAL 2" SQ YD	PAVEMENT REMOVAL SQ YD	HMA BASE COURSE 4" SQ YD	HMA SURFACE CSE MIX D N50 TON
LEFT							
366+62	to	370+62	400	44.5	88.9	88.9	15
370+62	to	617+16	4000	444.5	888.9	888.9	149
var locations - SEE NOTE							
617+16	to	634+66	1750	194.5	388.9	388.9	65
650+83	to	651+02	19	2.2	4.3	4.3	1
642+89	to	645+80	291	32.4	64.7	64.7	11
686+85	to	713+08	2623	291.5	582.9	582.9	98
714+07	to	715+13	106	11.8	23.6	23.6	4
738+56	to	748+39	983	109.3	218.5	218.5	37
00+00	to	01+87	187	20.8	41.6	41.6	7
12+10	to	72+44	6034	670.5	1340.9	1340.9	225
RIGHT							
272+96	to	605+57	4000	444.5	888.9	888.9	149
var locations - SEE NOTE							
605+57	to	607+57	200	22.3	44.5	44.5	7
634+29	to	634+66	37	4.2	8.3	8.3	1
657+30	to	657+89	59	6.6	13.2	13.2	2
654+82	to	655+06	24	2.7	5.4	5.4	1
642+89	to	649+90	701	77.9	155.8	155.8	26
688+17	to	689+30	113	12.6	25.2	25.2	4
680+81	to	713+27	3246	360.7	721.4	721.4	121
714+07	to	715+13	106	11.8	23.6	23.6	4
724+51	to	730+97	646	71.8	143.6	143.6	24
00+00	to	01+75	175	19.5	38.9	38.9	7
11+24	to	72+64	6140	682.3	1364.5	1364.5	229
Total				3539	7077	7077	1187

Note: Locations to be determined for north half of job by Engineer. 4000 feet will not be continuous.

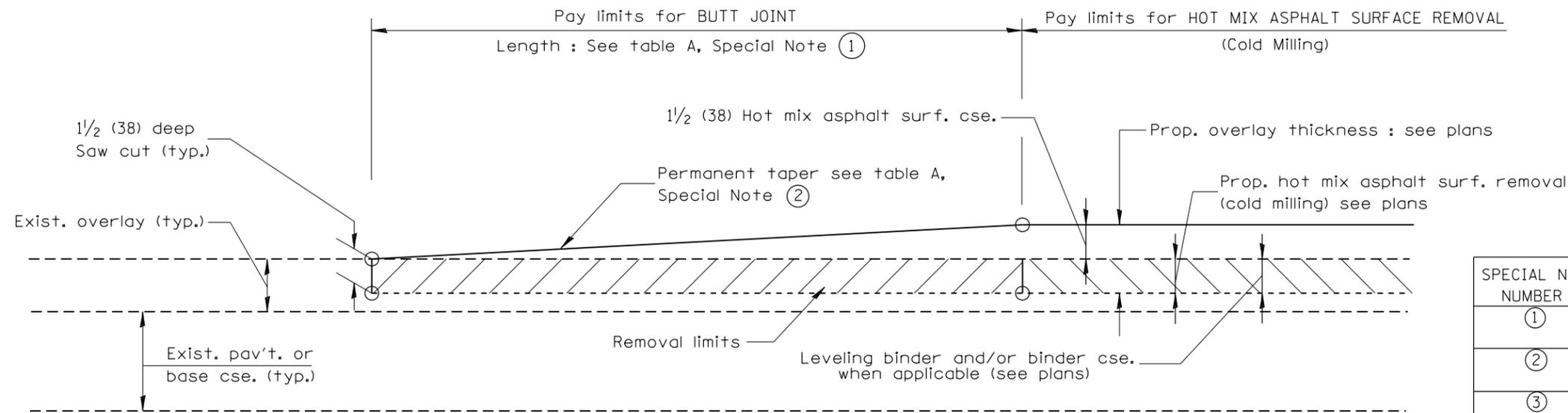


LEGEND

- 1 EXIST 9-6-9 PCC PAVEMENT
- 2 EXIST HMA WIDENING
- 3 EXIST HMA OVERLAY
- 4 EXIST AGG SHOULDERS
- 11 PROP PAVEMENT REMOVAL 
- 12 PROP HMA SURFACE REMOVAL 2" 
- 13 PROP HOT MIX ASPHALT BASE CSE 4" 
- 14 PROP HOT MIX ASPHALT SURF CSE MIX "D" N50 

NOTE: PAVEMENT REMOVAL LIMITS WILL INCLUDE EXIST HMA WIDENING, EXIST AGG SHLDR, AND EARTH

DESIGNER NOTES:
 1. Include District Special Provision for Butt Joints & for Hot Mix Asphalt Removal (Cold Milling).
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Hot Mix Asphalt Removal (Cold Milling).



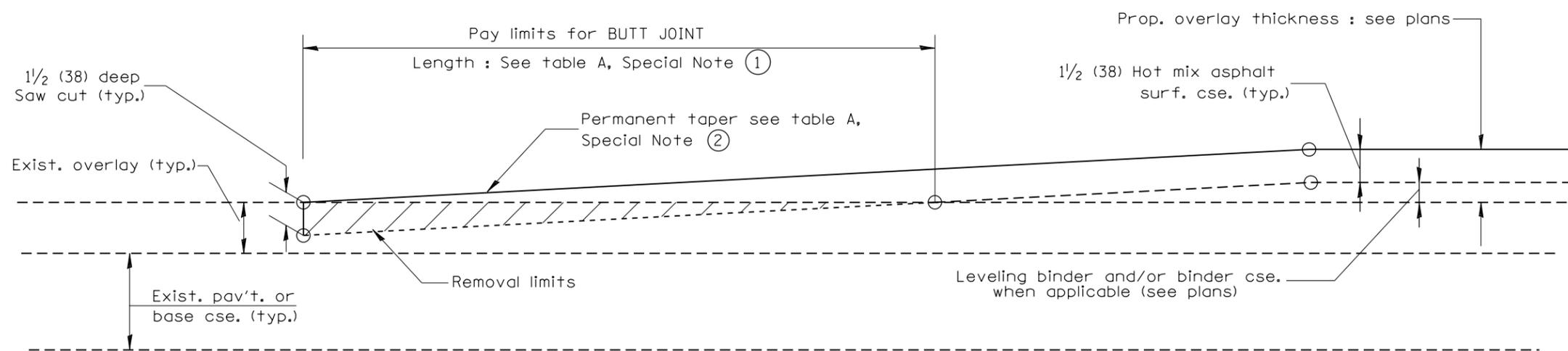
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

GENERAL NOTES

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- 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.
- 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.



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

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

01-01-97	BENUM_C-23.01_NEW_REVISION_BOX	J.P.	
04-01-97	COBREGION_TO_DEPTH	J.A.	
09-15-05	REVISED_DESIGNER_NOTE	M.M.A.	
10-16-06	REVISED_TO_2007_SPEC.	M.A.	

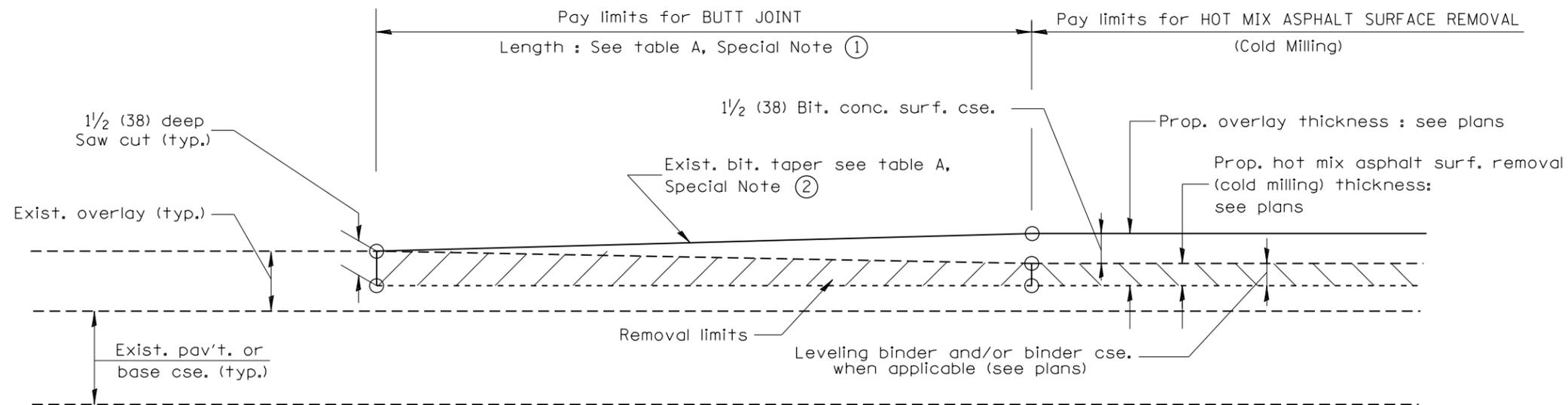
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

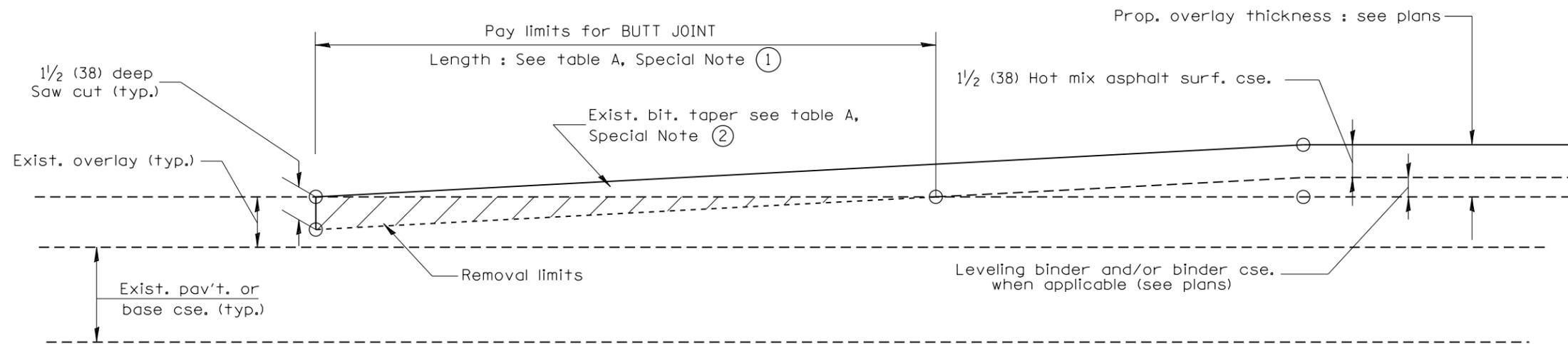
NOT TO SCALE

SHI-1-0E-3
CADD_SID_406101-04

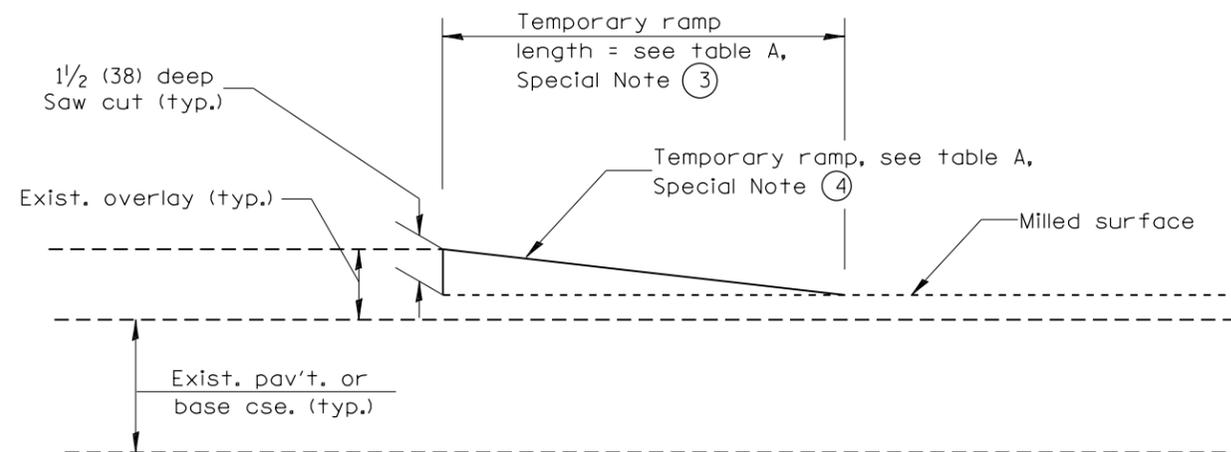
F.A.S 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 180	(110)I-1; (108X-1, 112)I	KNOX	16	10
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C04	



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



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

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

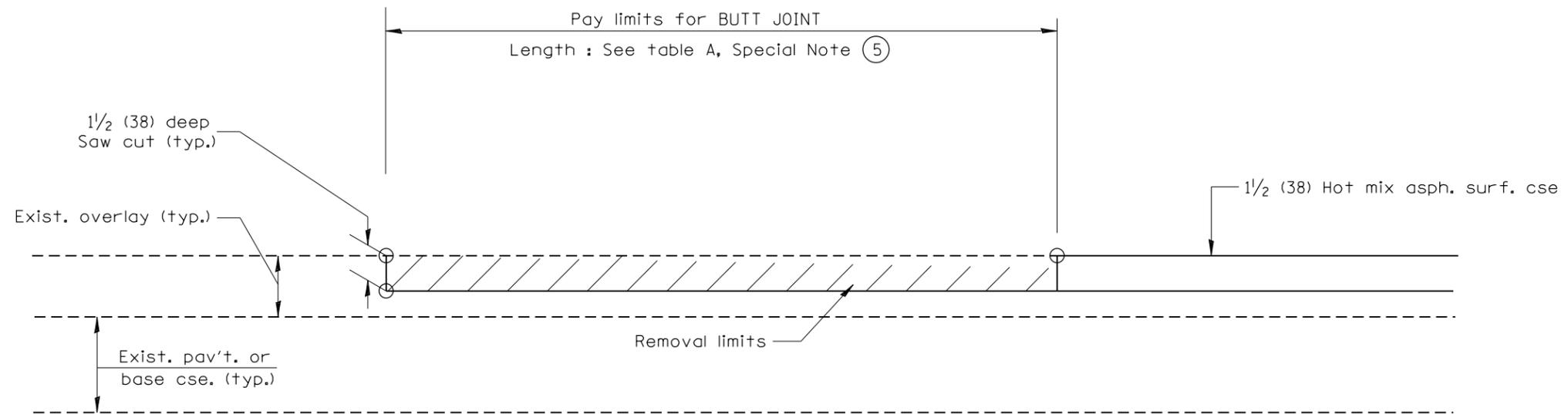
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS

NOT TO SCALE

SHI.2.0E.3
CADD SID. 406101:04

F.A.S 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 1101-1; 108X-1, 1121		KNOX	16	11
IL 180	CONTRACT NO. 68C04			
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

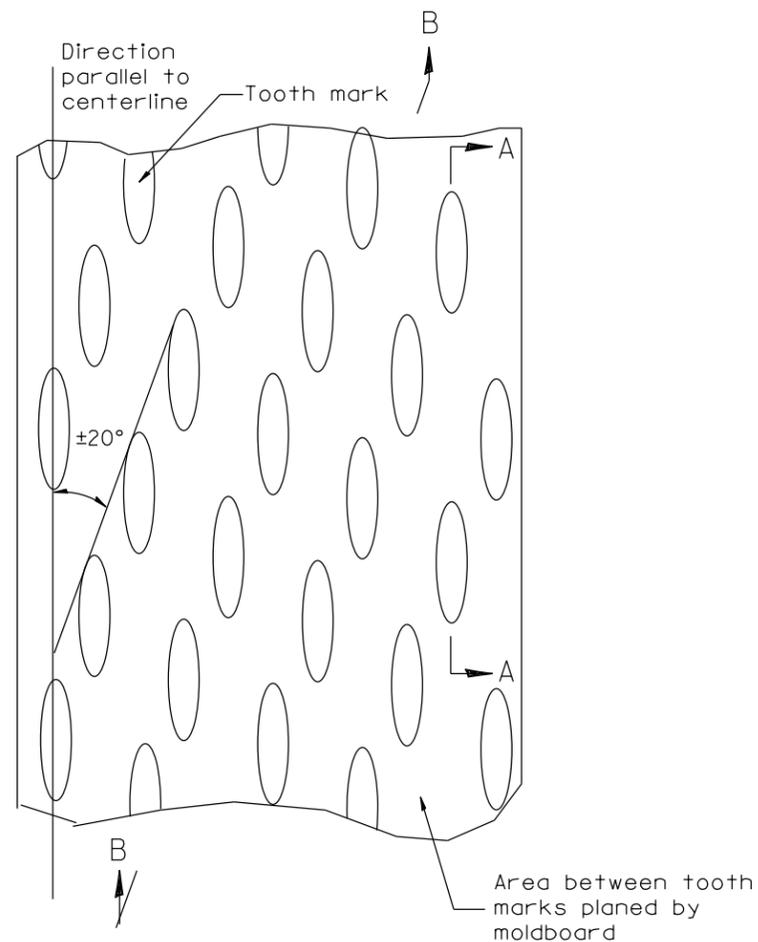
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHI_3_0E_3
CADD SID_406101:04

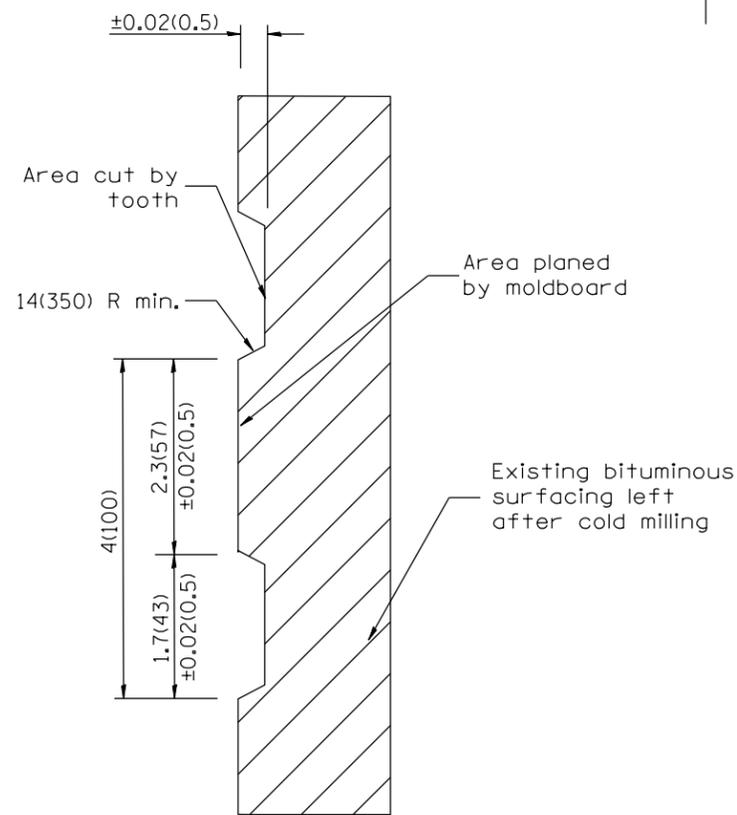
F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1195	(110)1-1; (108X-1, 112)1	KNOX	16	12
RTE.	IL 180			
CONTRACT NO. 68C04			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	



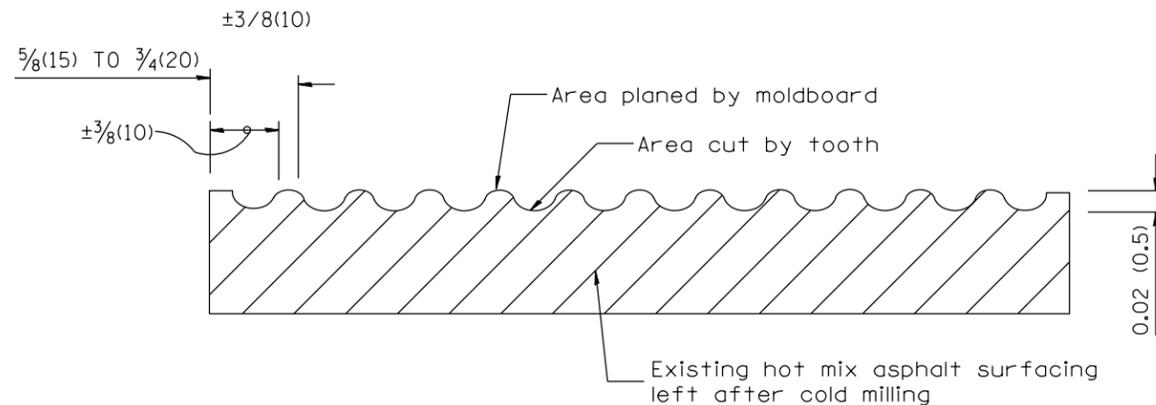
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

DESIGNER NOTES:
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

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

01-01-97	BENUM_C=104.01_NEW_REVISION_BOX	J.P.
04-20-98	REMOVED_MILLING_DETAIL_FROM_STANDARD	J.A.
09-08-98	CORRECTED_NOISE_LEADER_PLACEMENT	B.W.
10-16-06	REVISED_TO_2007_SPEC.	M.A.

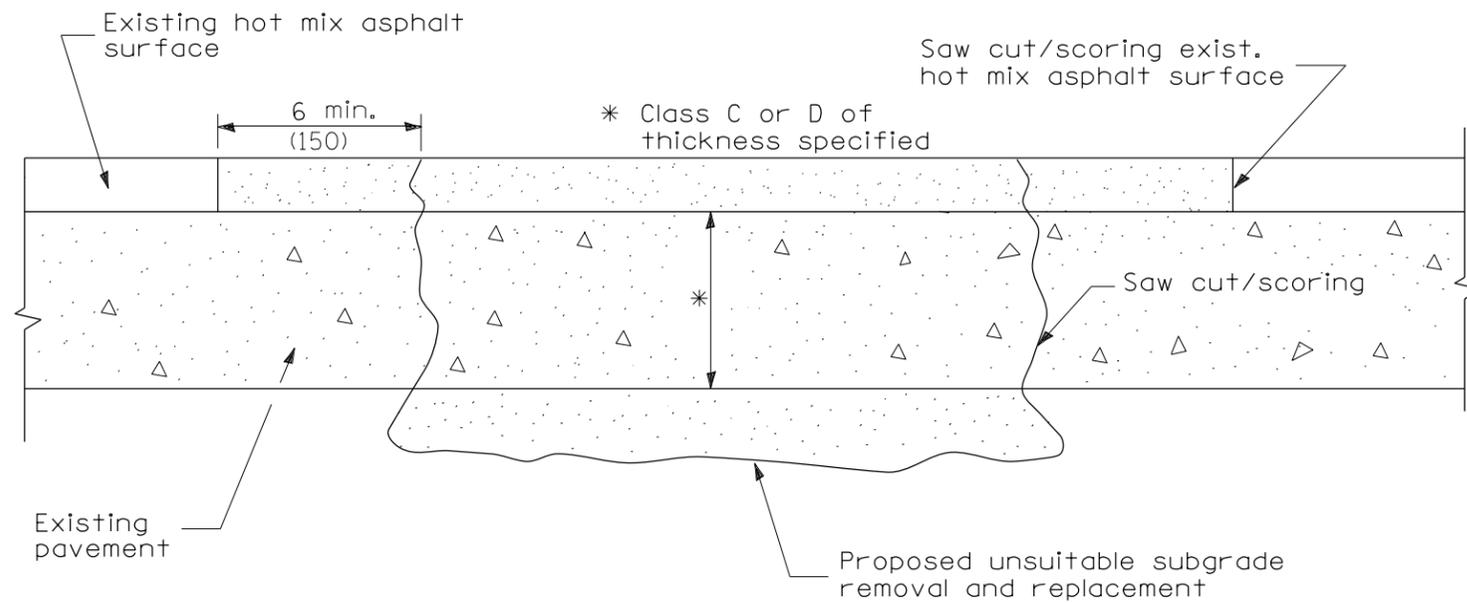
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD SID. 440001:04

F.A.S 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(110)I-1; (108X-1, 112)I	KNOX	16	13
IL 180	CONTRACT NO. 68C04			
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION

1. Remove the existing hot mix asphalt surface.
2. Remove and replace full depth patches.
3. Replace hot mix asphalt surface.

PAVEMENT PATCHING FOR
HOT MIX ASPHALT SURFACED PAVEMENT

GENERAL NOTES

1. The width of the full depth patch over a trench shall be 12 (300) wider on each side of the trench.

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

01-01-97	BENUM_C:104.03_NEW_REVISION_BOX_REVISID_NOIES	J.P.		
09-15-05	REVISED_DESIGNER_NOIE	M.M.A.		
10-16-06	REVISED_IQ_2007_SPEC.	M.A.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

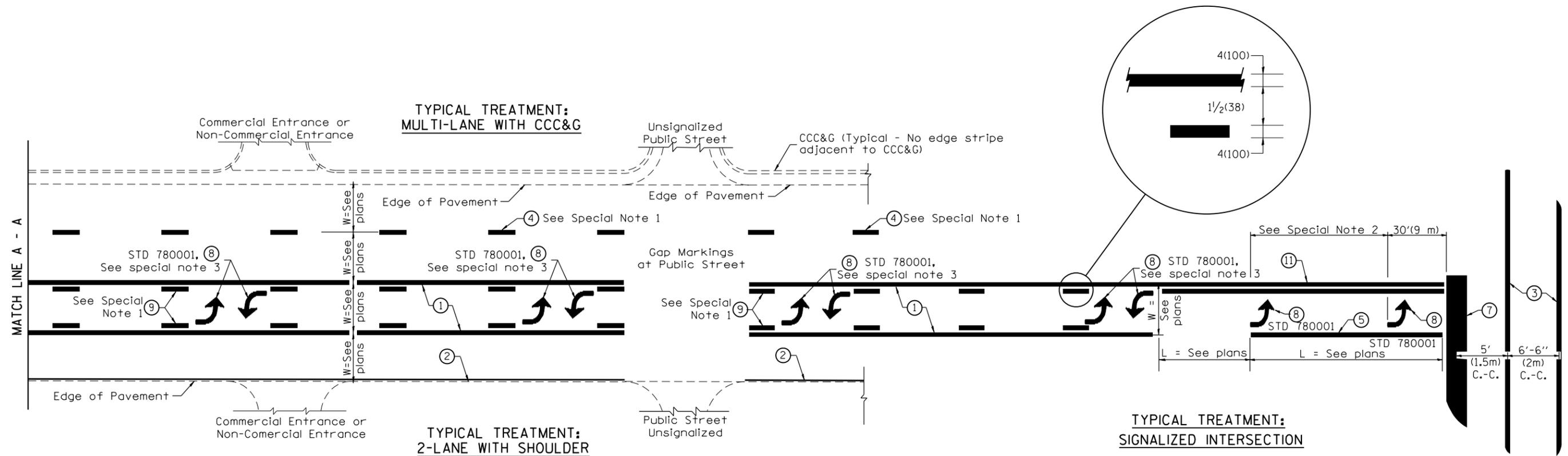
HOT MIX ASPHALT SURFACE REMOVAL OVER PATCHES

NOT TO SCALE

CADD SID. 440101:04

F.A.S 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(110)I-1; (108X-1, 112)I	KNOX	16	14
IL 180	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		CONTRACT NO. 68C04	

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) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (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.

01-01-97	BENUM, E-8.03, NEW REVISION BOX	J.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	COBBECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DIMS. WITH T.S.	M.A.		

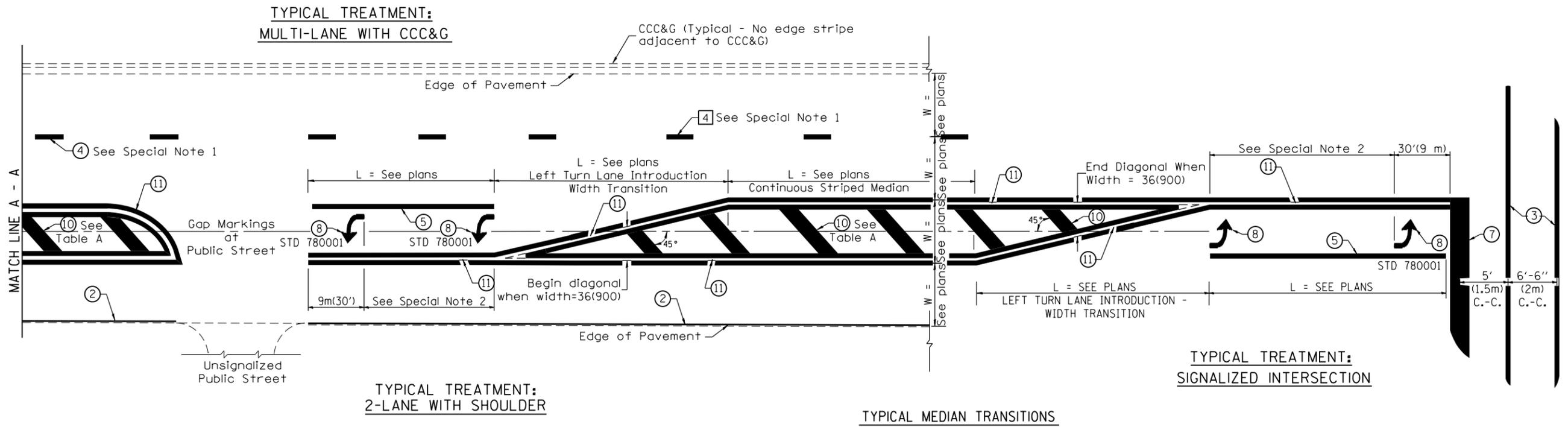
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHI_1_0E_2
CADD_SIQ_780001-04

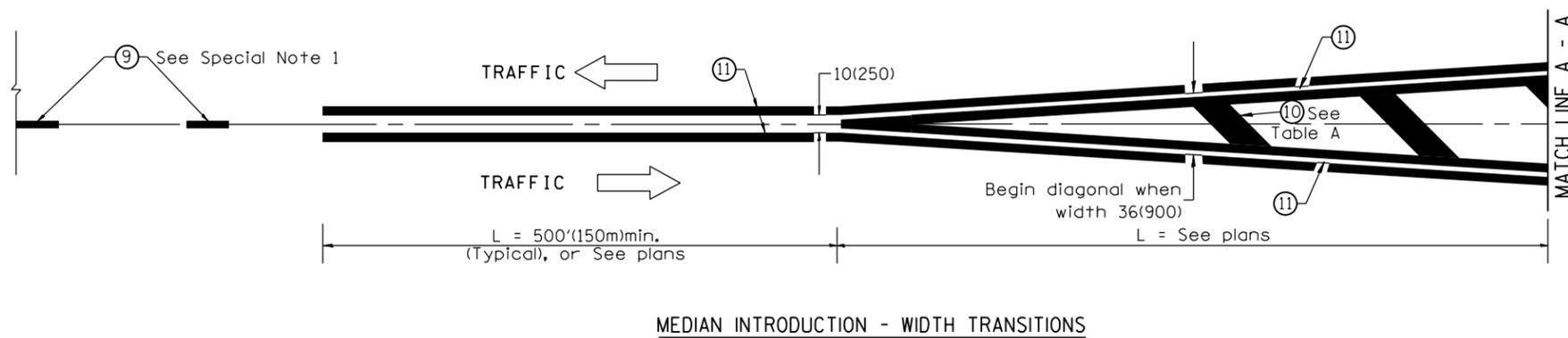
F.A.S 1195	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(110)I-1; (108X-1, 112)I	KNOX	16	15
IL 180			CONTRACT NO. 68C04	
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



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.