

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• (102-2,3) RS		WOODFORD	15	1

• FAP 412 ROUTE I-39/US51

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

ROUTE FA1 39 (I-39) (US 51)
SECTION (102-2,3) RS
PROJECT: IM-039-1(017)002
WOODFORD COUNTY
C-94-145-05

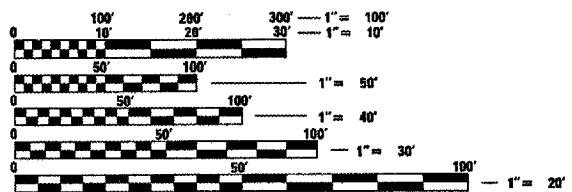
- INDEX OF SHEETS**
- 1 COVER SHEET
 - 2 GENERAL NOTES AND COMMITMENTS
 - 3-4 SUMMARY OF QUANTITIES
 - 5-6 TYPICAL SECTIONS
 - 7-8 SCHEDULE OF QUANTITIES
 - 9 LINE DIAGRAM
 - 10 PAVING DETAIL
 - 11-13 CADD STANDARDS

STATE HIGHWAY STANDARDS:

- 406001-04 701401-03
- 406101-03 701406-04
- 442001-03 701411-03
- 482011-02 701426-02
- 642001 702001-06
- 701101-01 781001-02
- 701400-02

DESIGN DESIGNATION

INTERSTATE
ADT = 17700 (2003)
% SV = 4.8 %
% MU = 33.3 %



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.

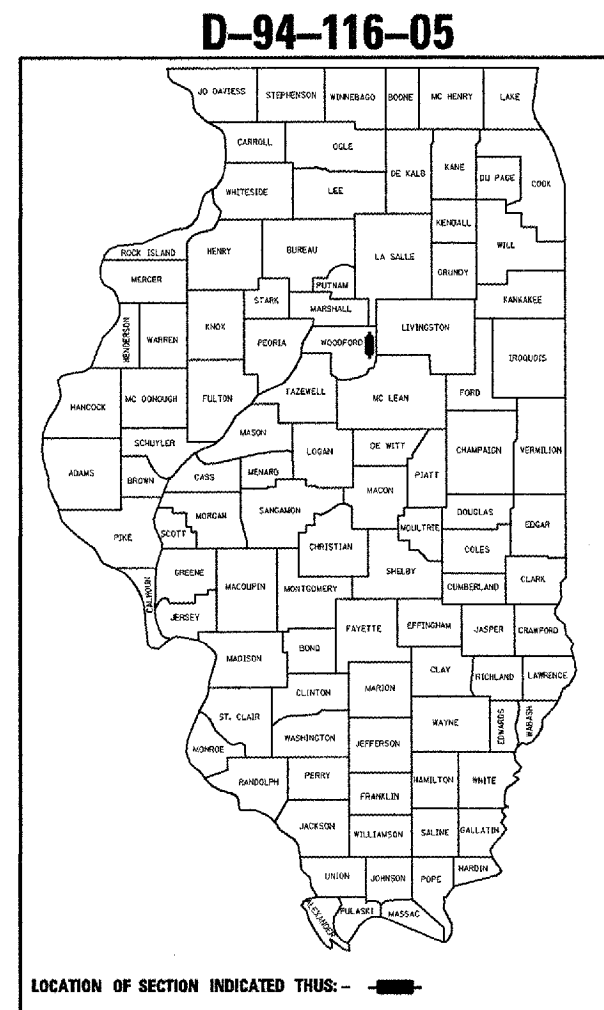
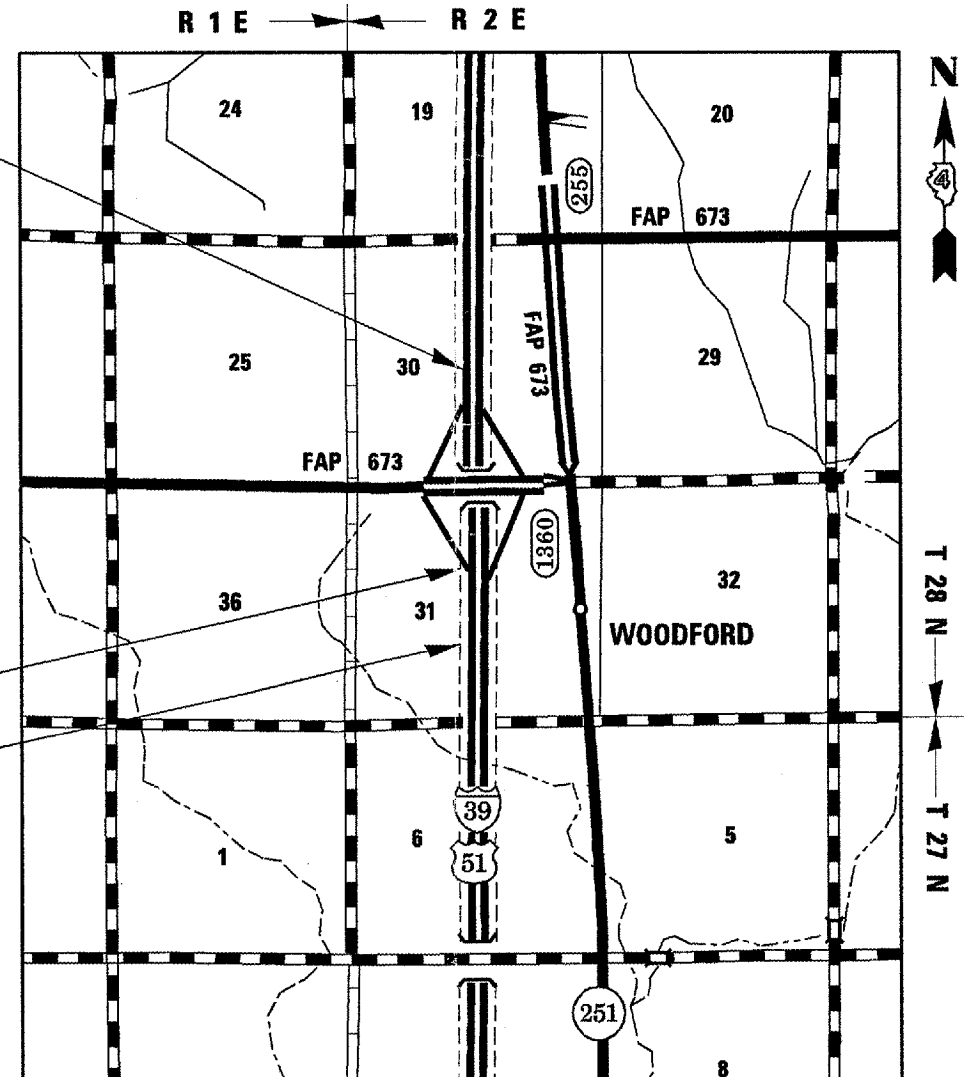
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 68531
CATALOG NO. 033149-00D

PROJECT ENDS
STA. 130 + 90

STA. 850 + 89.70 (BACK) =
STA. 52 + 79.38 (AHEAD)

PROJECT BEGINS
STA. 710 + 00



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *MARCH 23* 20 *07*

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11, 20 07
Eric E. Haran
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 20 07
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GROSS / NET LENGTH OF IMPROVEMENT:
NORTH BOUND LANE = 21900.32 FEET = 4.15 MILES
SOUTH BOUND LANE = 23910.41 FEET = 4.53 MILES

PROJECT ENGINEER: TOM LACY (309) 671-3453

DESIGN ENGINEER: NICHOLAS JACK (309) 671-3466

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	102-2,3RS	WOODFORD	15	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				

General Notes

COMMITMENTS: NO COMMITMENTS HAVE BEEN MADE

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

WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

Prior to winter shutdown the following steps shall be taken:

- All cold milled surfaces shall be overlaid.
- All lanes shall be reopened to traffic.
- Manholes, where applicable, shall be adjusted to the elevation of the binder to ease in plowing snow, and re-adjusted to finished grade in the Spring. The initial manhole adjustment will be paid for at the contract unit price and any re-adjustment, as directed by the Engineer, will be paid for in accordance with Article 109.04.
- Temporary or permanent pavement marking shall be placed as applicable.

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)
- A location map showing the size limits and location of the use area
- Signed property owner agreement form
- Color photographs depicting the use area

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

PAVEMENT STATION 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 20 mm (3/4 inch) wide, 125 mm (5 inches) high and 15 mm (5/8 inch) deep.

The pavement station numbers shall be installed as specified herein:

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

Bottom of Numbers - 150 mm (6 inches) 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 - Metric (English) pavement stations shall use this format "XX+X00 (XXX)", 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.

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

Mixture Use(s):	Surface Course	Binder Course	Incidental Bit. Surface	Bituminous Shoulder (Top Lift)	Bituminous Shoulder (Bottom Lift)	Sideroads & Ramps Surface	Sideroads & Ramps Binder
AC/PG:	SBR or SBS PG 76-22	SBR or SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP% (Max): **	0%	0%	15%	15%	25%	15%	25%
Design Air Voids:	4.0% @ N=105	4.0% @ N=105	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL12.5	IL 19.0	IL 9.5	IL 9.5	IL 19.0	IL 9.5	IL 19.0
Friction Aggregate:	Mixture E	N/A	Mixture C	Mixture C	N/A	Mixture D	N/A

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

MINIMUM VERTICAL CLEARANCE

The Contractor shall verify the existing structure vertical clearance prior to placing bituminous overlay under any structure. A minimum (16'-0") vertical clearance shall be maintained under all structures.

PAVING SURFACE COURSE, CL I CONTINUOUS

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

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):

All of the telephone lines provided shall have unpublished numbers.

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND COMMITMENTS

SCALE: VERT. _____
 HORIZ. _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(102-2.3)RS	WOODFORD	15	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

* FAP 412 ROUTE 1-39/US51

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	1000 CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED.	10% STATE				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	68	68					
40600300	AGGREGATE (PRIME COAT)	TON	638	638					
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1413	1413					
40600990	TEMPORARY RAMP	SQ YD	236	236					
40603080	HOT - MIX ASPHALT BINDER COURSE, IL - 19.0, N50	TON	11916	11916					
40603245	POLYMERIZED HOT - MIX ASPHALT BINDER COURSE, IL - 19.0, N105	TON	15837	15837					
40603310	HOT - MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	7432	7432					
40603335	HOT MIX - ASPHALT SURFACE COURSE, MIX "D", N50	TON	511	511					
40603575	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	10558	10558					
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	409	409					
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	229	229					
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	1355	1355					
44213000	PATCHING REINFORCEMENT	SQ YD	1993	1993					
44213200	SAW CUTS	FOOT	9096	9096					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	6756	6756					
64200105	SHOULDER RUMBLE STRIP	FOOT	91020	91020					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4					
67100100	MOBILIZATION	L SUM	1	1					

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<p style="text-align: center;">SUMMARY OF QUANTITIES</p> <p>SCALE: VERT. DRAWN BY HORIZ. CHECKED BY</p>	

PLOT DATE = 04/18/88
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

SUMMARY OF QUANTITIES

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1102-2,3RS	WOODFORD	15	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				

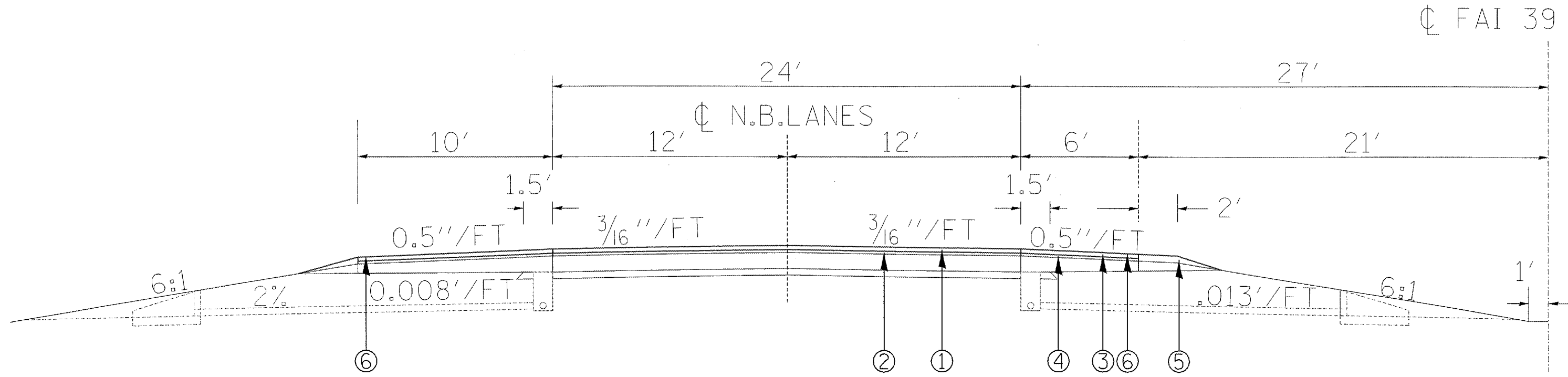
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	1000 CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED. 10% STATE					
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	8					
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1					
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	64	64					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	17950	17950					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	91700	91700					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	11378	11378					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3140	3140					
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	874	874					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	5983	5983					
*78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	91700	91700					
*78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	11378	11378					
*78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	3140	3140					
*78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	874	874					
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1296	1296					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1296	1296					
Z0075310	TIE BARS 3/4"	EACH	904	904					
X0322729	MATERIAL TRANSFER DEVICE	TON	26396	26396					
X2503100	MOWING	UNIT	460	460					

*SPECIALTY ITEM ■ NP 100% STATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 SCALE: VERT. _____ HORIZ. _____
 DATE _____ DRAWN BY _____ CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	1102-2.31RS	WOODFORD	15	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				



- ① PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105, 1.5"
- ② PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105, 2.25"
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- ④ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑥ SHOULDER RUMPLE STRIP

REVISIONS	
NAME	DATE

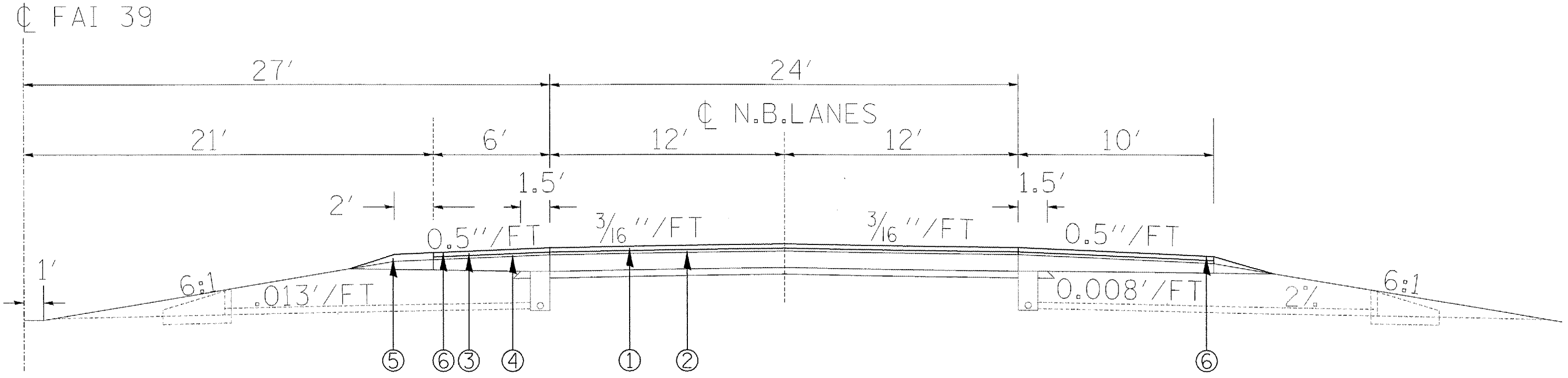
ILLINOIS DEPARTMENT OF TRANSPORTATION

S.B.
TYPICAL SECTION

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

PLOT DATE : #DATE#
 FILE NAME : #FILE#
 PLOT SCALE : #SCALE#
 USER NAME : #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(102-2,3RS	WOODFORD	15	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				



- ① PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105, 1.5"
- ② PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105, 2.25"
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"
- ④ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑥ SHOULDER RUMPLE STRIP

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**N.B.
TYPICAL SECTION**

SCALE: VERT. _____
HORIZ. _____

DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(102-2,3)RS	WOODFORD	15	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				

LOCATIONS			BITUMINOUS SCHEDULE												
			BIT. MATERIAL PRIME COAT	AGR. MATERIAL PRIME COAT	POLYMERIZED HMA SURF CSE MAINLINE = 24' 1 1/2"	POLYMERIZED H M A BIND CSE MAINLINE = 24' 2 1/4"	HMA SURF CSE MIX D N 50 RAMP = 16' 1 1/2"	H M A BIND CSE IL - 19.0 N50			H M A SURF CSE MIX C N50		AGG SHLDR LT & RT	MATERIAL TRANSFER DEVICE	SHOULDER RUMBLE STRIP
STATION	TO	STATION	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	FEET
MAINLINE															
N.B.															
710+00	TO	850+90	12.02	112.7	3,269	4,903								8,172	
52+80	TO	130+90	6.66	62.5	1,812	2,718								4,530	
Shoulders															
710+00	TO	850+90	8.02	75.1					3,269		2,179		2,008		28,180
52+80	TO	130+90	4.44	41.7					1,812		1,208		1,113		15,620
MAINLINE															
S.B.															
710+00	TO	850+90	12.02	112.7	3,269	4,903								8,172	
52+80	TO	148+00	8.12	76.2	2,209	3,313								5,522	
Shoulders															
710+00	TO	850+90	8.02	75.1					3,269		2,179		2,008		28,180
52+80	TO	148+00	5.42	50.8					2,209		1,472		1,357		19,040
RAMPS															
RAMP "A"			0.40	3.8			109	164							
RAMP "B"			0.54	5.0			146	220							
RAMP "C"			0.40	3.8			109	164							
RAMP "D"			0.54	5.0			146	220							
Ramps Shoulders															
RAMP "A"			0.32	3.0						132		88	56		
RAMP "B"			0.42	4.0						173		115	80		
RAMP "C"			0.34	3.2						138		92	56		
RAMP "D"			0.36	3.4						148		98	80		
SUBTOTALS								767	10,558	590	7,039	394			
TOTALS			68.1	638	10,558	15,837	511		11,916		7,432		6,756	26,396	91,020

CLASS A PATCHING SCHEDULE 10"											
LOCATION	PATCH UNITS	CL A PATCH						SAW CUTS FOOT	TIE BARS EACH	PATCH REIF SQ.YD	
		TYPE II		TYPE III		TYPE IV					
		NO.	SQ.YD	NO.	SQ.YD	NO.	SQ.YD				
S.B.D.L.											
STA 165+90 TO STA 56+90	1	4	31	1	16	6	383	1,491	252	430	
STA 842+36 TO STA 789+56	2	2	15	3	55	7	333	1,485	208	403	
STA 789+56 TO STA 736+76	3	11	90	4	67	4	165	1,635	100	322	
STA 736+76 TO STA 712+50	4	18	144	3	53	5	161	2,121	121	358	
N.B.D.L.											
STA 727+88 TO STA 849+98	5	7	47	1	17	0	0	504	0	64	
STA 53+27 TO STA 125+77	6	4	32	0	0	3	161	761	103	193	
N.B.P.L.											
STA 96+99 TO STA 122+13	7	2	13	0	0	1	29	272	38	42	
+10% BREAK-UP				37		21		123	82	181	
TOTAL				409		229		1,355	9,096	904	1,993

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(102-2,3)RS	WOODFORD	15	8
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAP 412 ROUTE 1-39/US51				

LOCATION	TEMPORARY PAVEMENT MARKING LINE					
	EPOXY PAVEMENT MARKING LINE					PREF PLASTIC PAVT MARKING TYPE B LINE - 6" CENTER LINE SKIP DASH (WHITE) FT
	4"		8"	12"		
	LT EDGE OF PVT 4" SOLID (YELLOW) FT	RT EDGE OF PVT 4" SOLID (WHITE) FT	@ ENTR RAMP ONLY 4" SKIP DASH (WHITE) FT	@ THE RAMPS 8" SOLID (WHITE) FT	@ THE RAMPS CHEVRON 12" SOLID (WHITE) FT	
	I - 39					
N.B.						
710+00 TO 850+90	14090	13380				3523
52+80 TO 130+90	7810	6585				1953
S.B.						
710+00 TO 850+90	14090	13380				3523
52+80 TO 148+00	9520	8295				2380
RAMP A & RAMP C		1660	200	1640	874	
RAMP B & RAMP D		2690		1500		
SUB - TOTALS	45,510	45,990	200			
TOTALS		91,700		3,140	874	11,378

LOCATION	RAISED REF PAVEMENT MARKERS REMOVAL		RAISED REF PAVEMENT MARKERS	
	EACH		EACH	
	N.B.			
710+00 TO 850+90	352		352	
52+80.0 TO 130+90	195		195	
S.B.				
710+00 TO 850+90	352		352	
52+80.0 TO 148+00	238		238	
RAMPS				
A	79		79	
C	79		79	
TOTAL	1,296		1,296	

LOCATION	PAVEMENT MARKING SCHEDULE	
	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
	FT	SQ FT
N.B.		
710+00 TO 850+90	2,818	939
52+80 TO 130+90	1,562	521
SHOULDERS		
710+00 TO 850+90	2,254	751
52+80 TO 130+90	1,250	417
S.B.		
710+00 TO 850+90	2,818	939
52+80.0 TO 148+00	1,904	635
SHOULDERS		
710+00 TO 850+90	2,254	751
52+80.0 TO 148+00	1,523	508
RAMPS		
A	299	100
B	484	161
C	299	100
D	484	161
TOTAL	17,950	5,983

CONSTRUCTING TEST STRIP SURFACE COURSE	EACH
TOTAL	1

ENGINEER FIELD OFFICE TYPE A JOBSITE	CAL MO
TOTAL	4

MOBILIZATION JOBSITE	L SUM
TOTAL	1

TRAF CONT & PROT STD 701411 JOBSITE	EACH
TOTAL	8

TRAF CONT & PROT STD 701401 JOBSITE	L. SUM
TOTAL	1

TRAF CONTROL SURVEILLANCE JOBSITE	CAL DAY
TOTAL	64

LOCATION	BUTT - JOINTS			TEMPORARY RAMPS		
	LENGTH	WIDTH	AREA	LENGTH	WIDTH	AREA
	FT	FT	SQ YD	FT	FT	SQ YD
N.B.						
710+00 TO 850+90	60.0	40.0	266.7	40.0	10.0	44.4
52+80.0 TO 130+90	60.0	40.0	266.7	40.0	10.0	44.4
N.B.						
710+00 TO 850+90	60.0	40.0	266.7	40.0	10.0	44.4
52+80.0 TO 148+00	60.0	40.0	266.7	40.0	10.0	44.4
RAMPS						
A	30.0	26.0	86.7	26.0	5.0	14.4
B	30.0	26.0	86.7	26.0	5.0	14.4
C	30.0	26.0	86.7	26.0	5.0	14.4
D	30.0	26.0	86.7	26.0	5.0	14.4
TOTAL			1,413			236

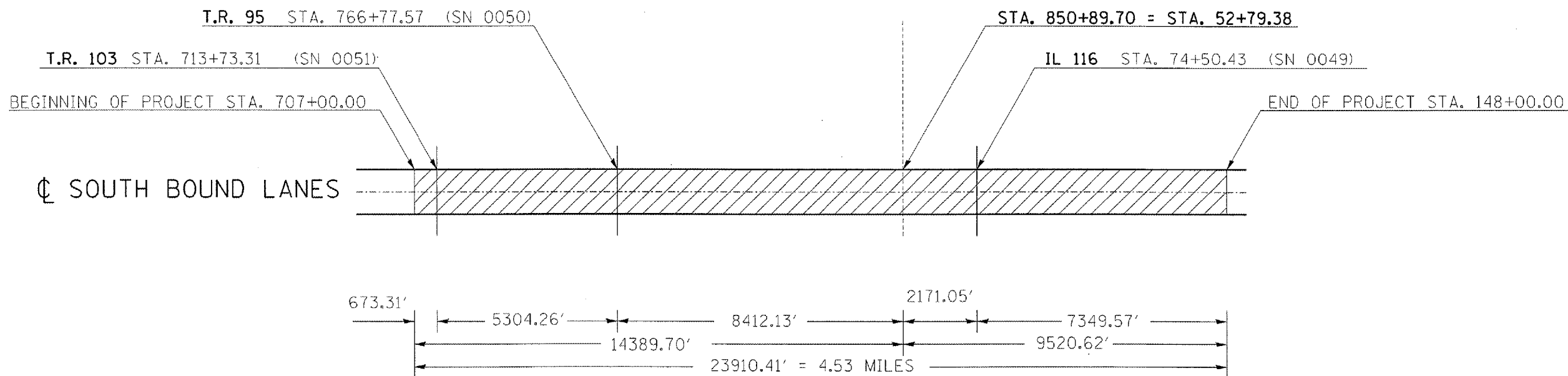
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 SCALE: VERT. DATE
 HORIZ. DATE
 DRAWN BY
 CHECKED BY

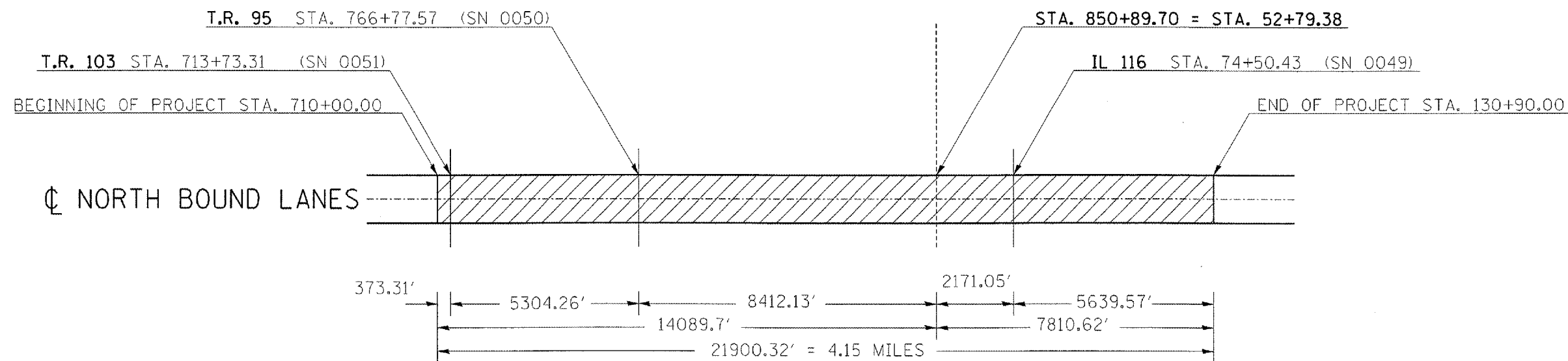
PLT DATE * XDATE *
 FILE NAME * XFILE *
 PLOT SCALE * XSCALE *
 USER NAME * XUSER *

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(102-2.3)RS	WOODFORD	15	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• FAP 412
ROUTE 1-39/US51



☉ FAI 39



OVERLAY

PLOT DATE : *DATES*
FILE NAME : *FILEL*
PLOT SCALE : *SCALE*
USER NAME : *USER*

REVISIONS	
NAME	DATE

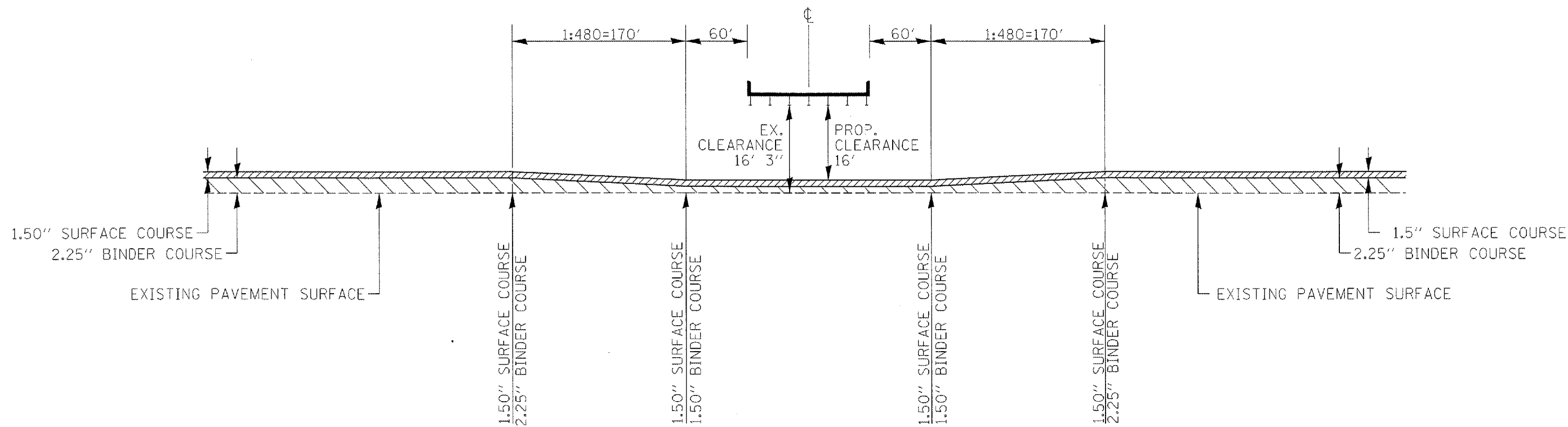
ILLINOIS DEPARTMENT OF TRANSPORTATION

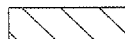
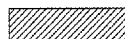
LINE DIAGRAM

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(102-2.3)RS	WOODFORD	15	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAP 412 ROUTE 1-39/US51				



 2.25" BINDER COURSE
 1.50" SURFACE COURSE

REVISIONS	
NAME	DATE

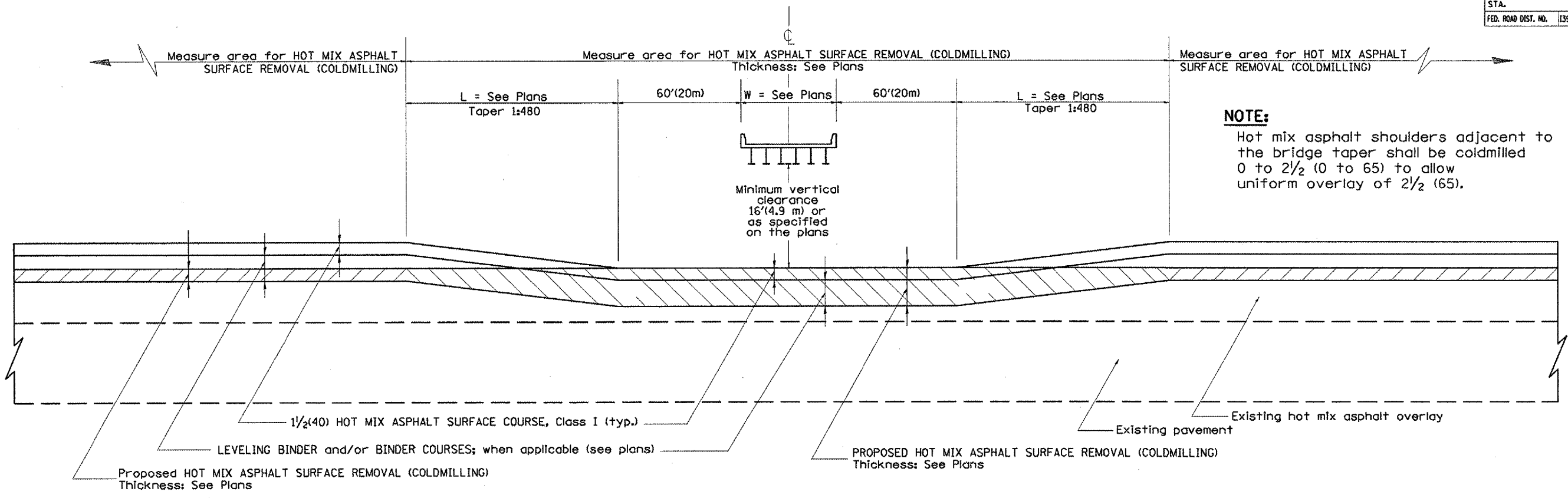
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT OVERLAY UNDER STRUCTURE

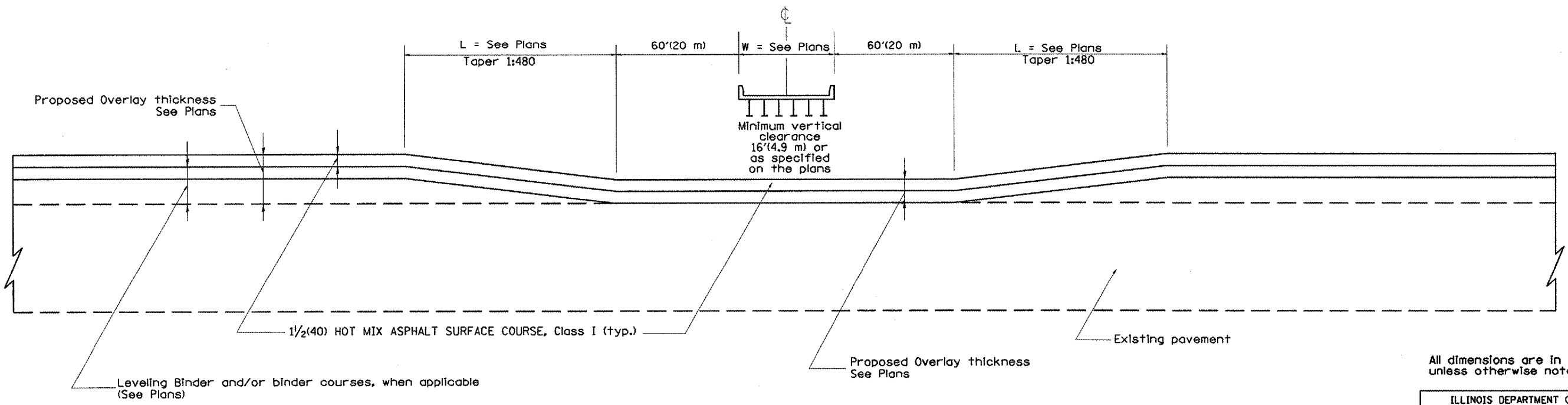
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(102-2,3) RS	WOODFORD	15	11
STA.		TO STA.		
FED. ROAD DIST. NO.		(39/US5)	FED. AID PROJECT	



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



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

NOTE:

Hot mix asphalt shoulders adjacent to the bridge taper shall be coldmilled 0 to 2 1/2 (0 to 65) to allow uniform overlay of 2 1/2 (65).

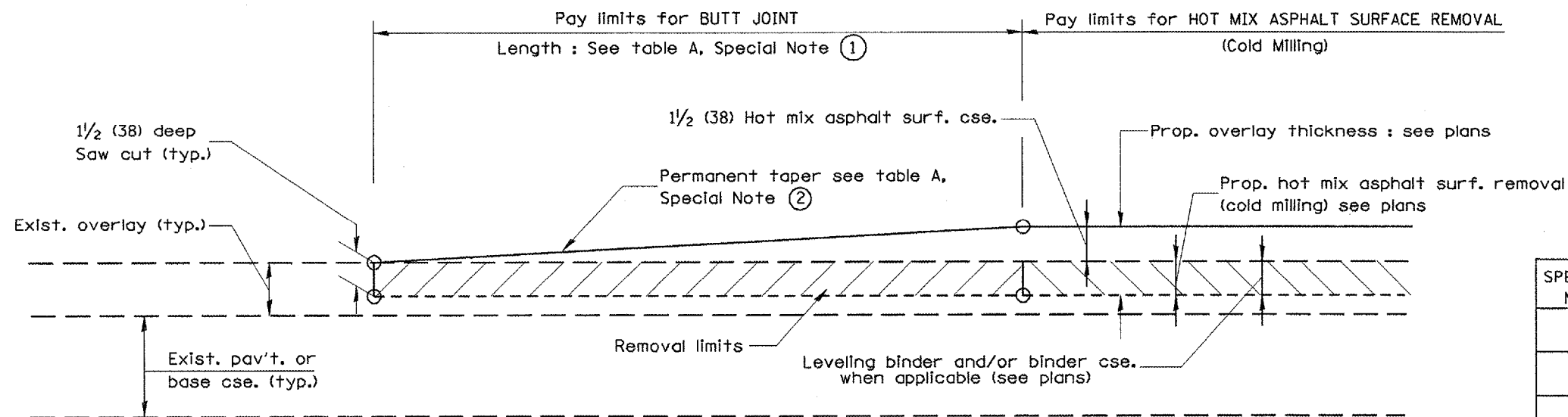
DESIGNER NOTE
 1. THIS TREATMENT SHOULD ONLY BE USED WHERE NECESSARY TO MAINTAIN MINIMUM VERTICAL CLEARANCE. THE PREFERRED TREATMENT IS FULL DEPTH OVERLAY. CHECK WITH YOUR PROJECT ENGINEER PRIOR TO USING.
 2. INCLUDE DISTRICT SPECIAL PROVISION FOR HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION		
DISTRICT CADD STANDARD		
PAVEMENT OVERLAY UNDER STRUCTURES SPECIAL TREATMENT		
CADD STANDARD 406001-D4		
SCALE: NOT TO SCALE		
DATE	DRAWN BY	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-23.03, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(102-2,3) RS	WOODFORD	15	12
STA.		TO STA.		
FED. ROAD DIST. NO.		(39/US5)	FED. AID PROJECT	



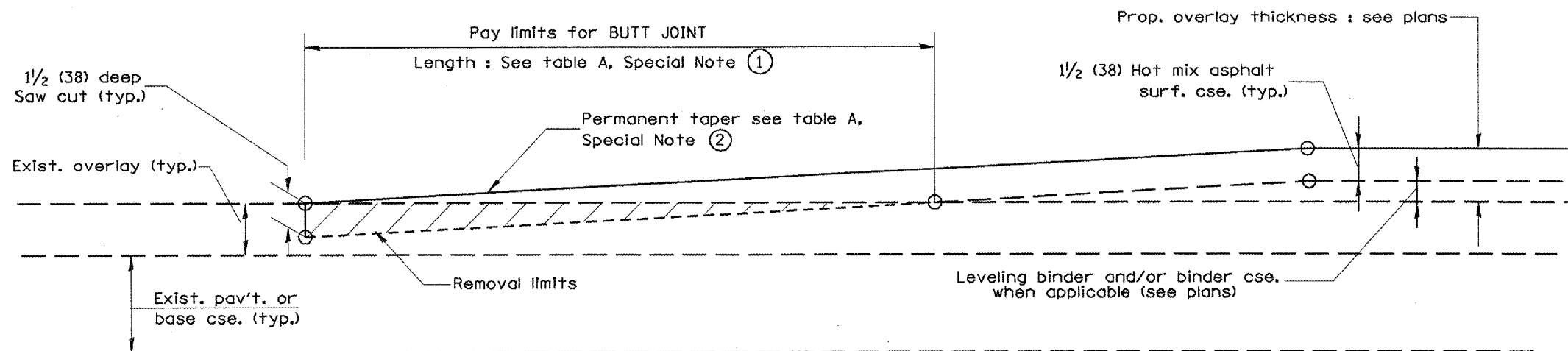
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**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

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.



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

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).

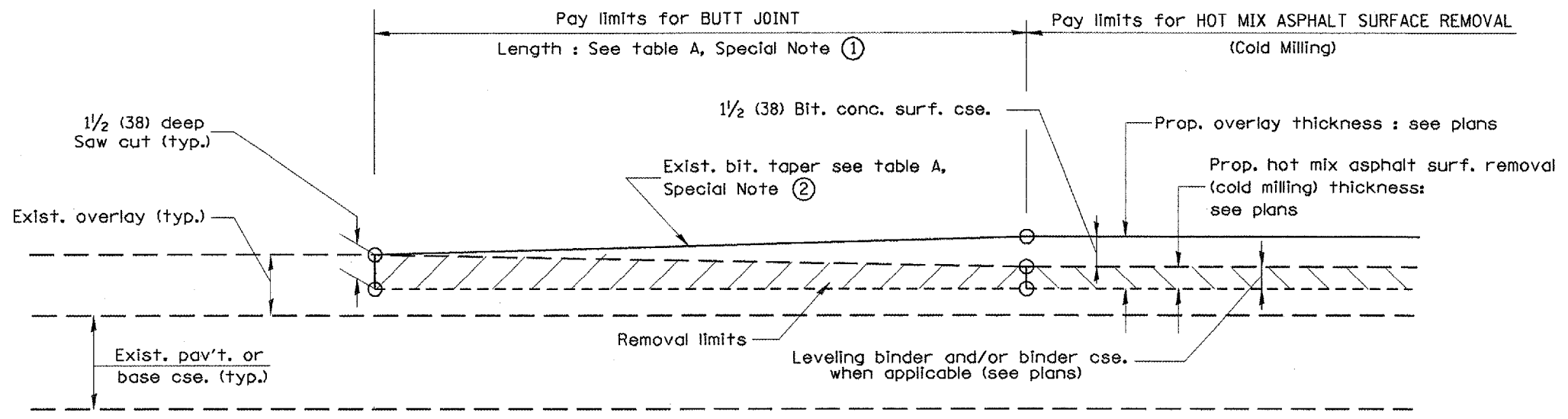
All dimensions are in Inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

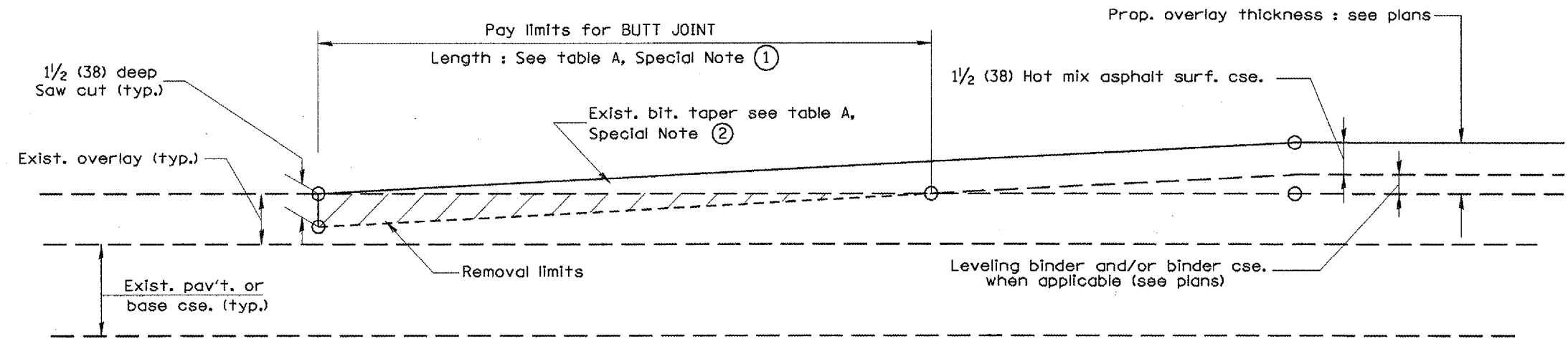
DATE	REVISIONS	BY
1-1-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

BUTT JOINTS
 CADD STD NO. 406101-D4 SHEET 1 OF 3
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
 DATE CHECKED BY

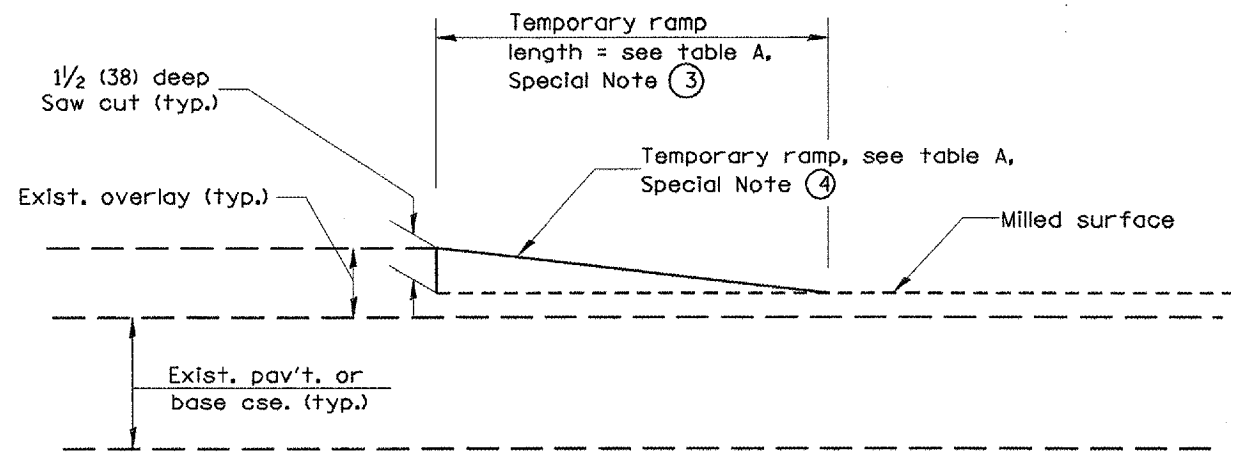
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(102-2,3) RS	WOODFORD	15	13
STA.		TO STA.		
FED. ROAD DIST. NO.		139/US51	FED. AID PROJECT	



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

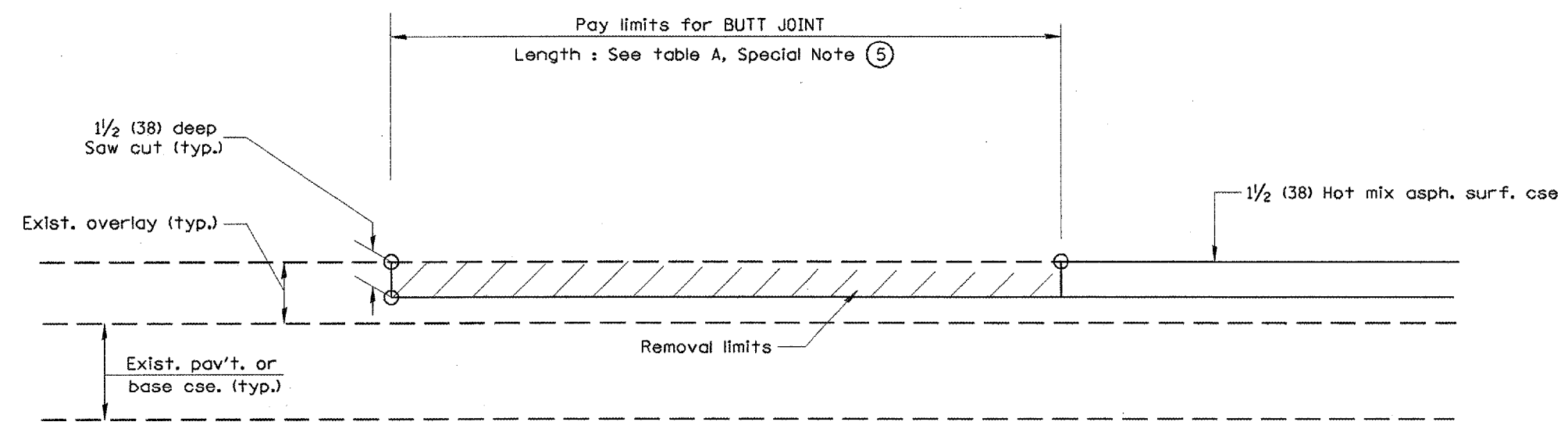
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

BUTT JOINTS

CADD STD NO. 406101-D4 SHEET 2 OF 3
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(102-2,3) RS	WOODFORD	15	14
STA.		TO STA.		
FED. ROAD DIST. NO.		139/US51 FED. AID PROJECT		

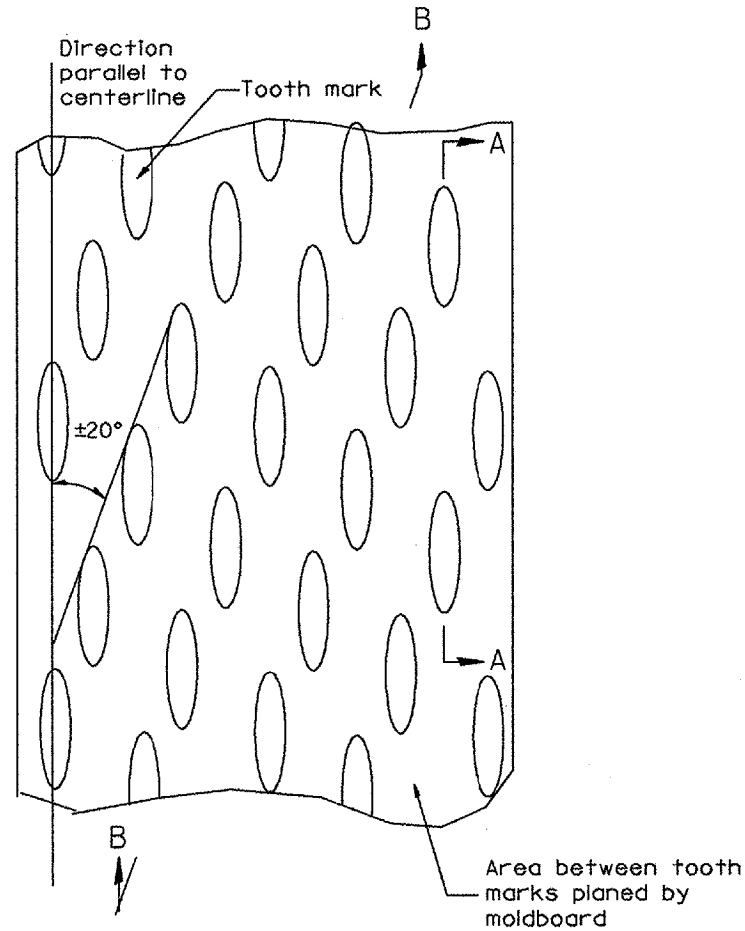


CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
BUTT JOINTS	
CADD STD NO. 406101-D4	SHEET 3 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
	CHECKED BY

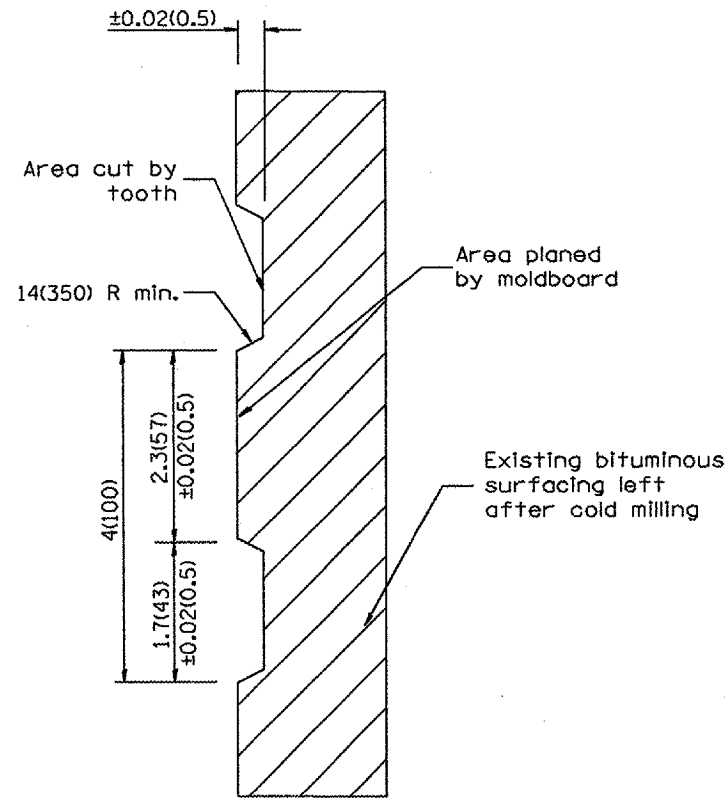
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	(102-2,3) RS	WOODFORD	15	15
STA.		TO STA.		
FED. ROAD DIST. NO.		39/US51	FED. AID PROJECT	



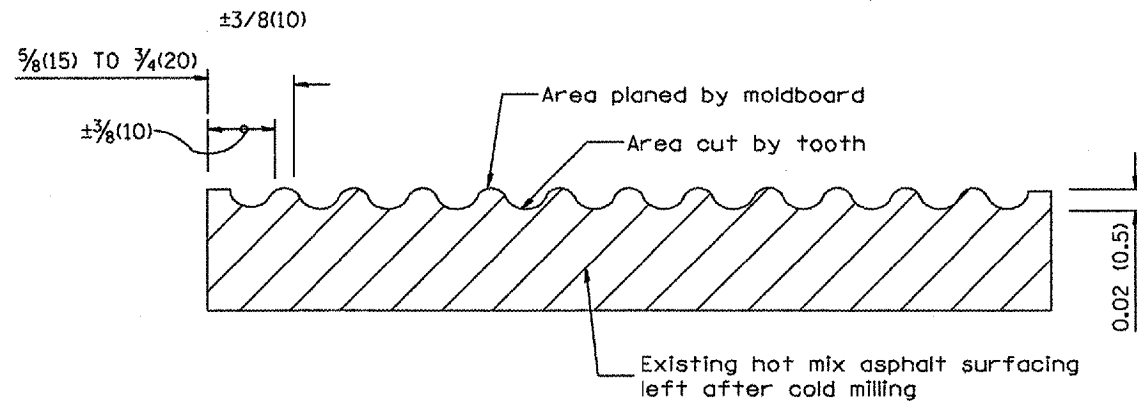
PLAN

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

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

DESIGNER NOTE
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

ILLINOIS DEPARTMENT OF TRANSPORTATION		
DISTRICT CADD STANDARD		
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)		
CADD STD NO. 440001-D4		
SCALE: NOT DRAWN TO SCALE	DRAWN BY: CADD	CHECKED BY:
DATE:		

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J. A.
9-08-98	CORRECT NOTE LEADER PLACEMENT	R. W.
10-16-06	REVISED TO 2007 SPEC.	M.A.