

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,(125,126)RS-3	KNOX/HENRY	20	1
		ILLINOIS	CONTRACT NO. 68604	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

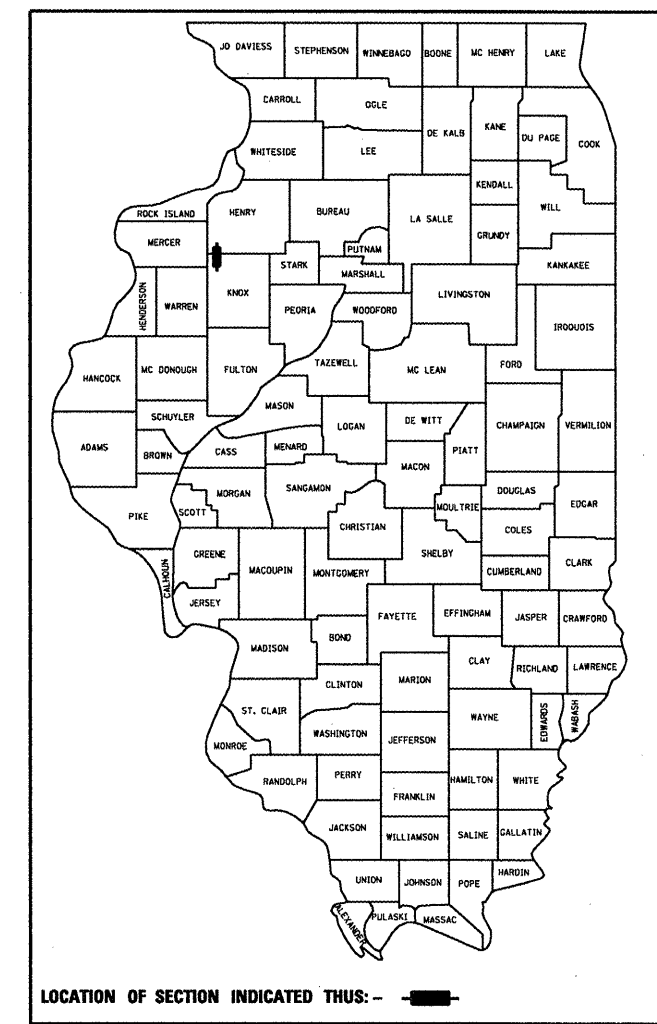
FAS ROUTE 1190 (US 150)
SECTION 123RS-4,124RS-5,(125,126)RS-3
KNOX & HENRY COUNTIES

C-94-094-06

PROJECT M-1190 (104)

R1E

D-94-073-06



INDEX OF SHEETS

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- 2-3 General Notes
- 4-5 Summary of Quantities
- 6-8 Typical Sections
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- 12-14 Line Diagram
- 15 Wearing Surface Removal Detail
- 16-20 District Standards

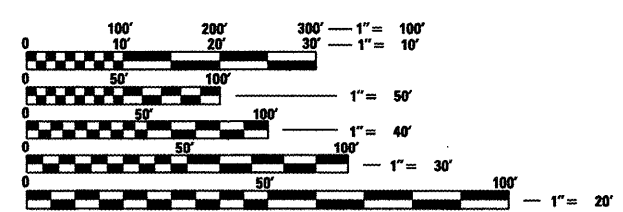
HIGHWAY STANDARDS

- 442201-03
- 701301-03
- 701306-02
- 701311-03
- 701336-05
- 701901-01
- 780001-02
- 781001-03

DISTRICT STANDARDS

- 406101-D4
- 406401-D4
- 440001-D4

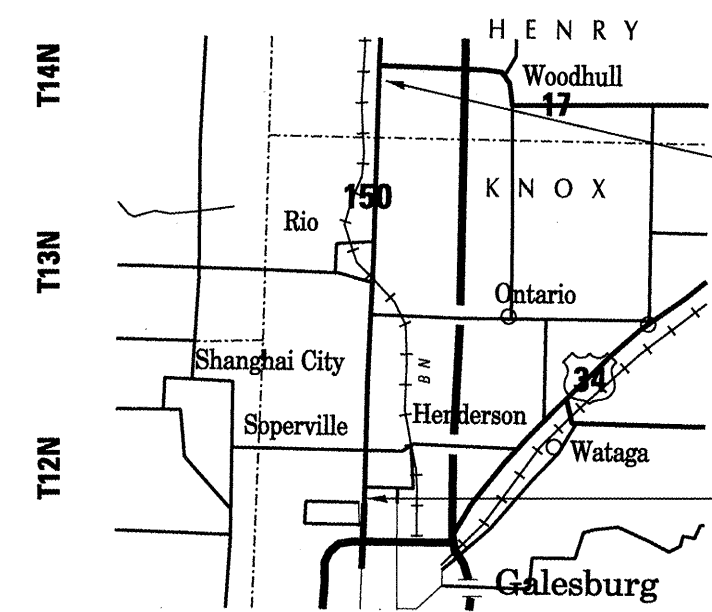
ADT 2850 (2009) 90 MU 70 SU



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

PROJECT ENGINEER: Christopher Maushard (309)671-3453
PROJECT MANAGER: David Layne(309)671-3475
 CAT. NO. 033295-00D
 CONTRACT NO. 68604



BEGIN PROJECT
107+00

STA EQU. 124+53.74 bk
= 30+00 ahd

STA EQU. 265+11.30 bk
= 0+00 ahd

STA EQU. 172+26.76 bk
= 172+03.95 AHD

END PROJECT
418+00

Description of Work

This project consists of Class D patching, HMA Surface Removal, HMA Surface and Level Binder, Protective Coat on sn 048-0026, Wearing Surface on sn 048-0027, and Epoxy Pavement Marking.

- sn 048-0026 Sta. 132+77 (protective coat)
- sn 048-0027 Sta. 150+65 (wearing surface)
- sn 048-2005 Sta. 318+53 (box culvert)
- sn 048-0064 Sta. 344+00 (box culvert)

GROSS LENGTH = 67,087.9 FT. = 12.70 MILES
 NET LENGTH = 66,950.9 FT. = 12.68 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Jan 28 2010

[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19 2010
Scott E. Stitt, P.E.
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

March 19 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Surface Course	Level Binder 3/4"	CI D Patches & HMA Bse Cse	Incidental Surface Course
ACPG:	PG 64-22	SBS or SBR 70-22	PG 64-22	PG 64-22
RAP% (Max): **	15%	10%	25%	15%
Design Air Voids:	4.0% @ N=50	3.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition (Gradation Mixture)	IL 9.5 or IL12.5	IL 4.75	IL 19.0	IL 9.5 or IL12.5
Friction Aggregate:	Mixture D	N.A.	N.A.	Mixture C

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

JOB SPECIFIC

All structures within the project limits may be crossed with a loaded Material Transfer Device.

FILE NAME =
D468684-sh1-plan.dgn

USER NAME = loynedm

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 414.8284' / IN.

CHECKED -

REVISED -

PLOT DATE = 1/8/2018

DATE -

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & COMMITMENTS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	BOON/BOOCY	20	5
			CONTRACT NO. 68604	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

80/20 FED/ST
CONSTRUCTION CODE
 Henry Co. Knox Co.

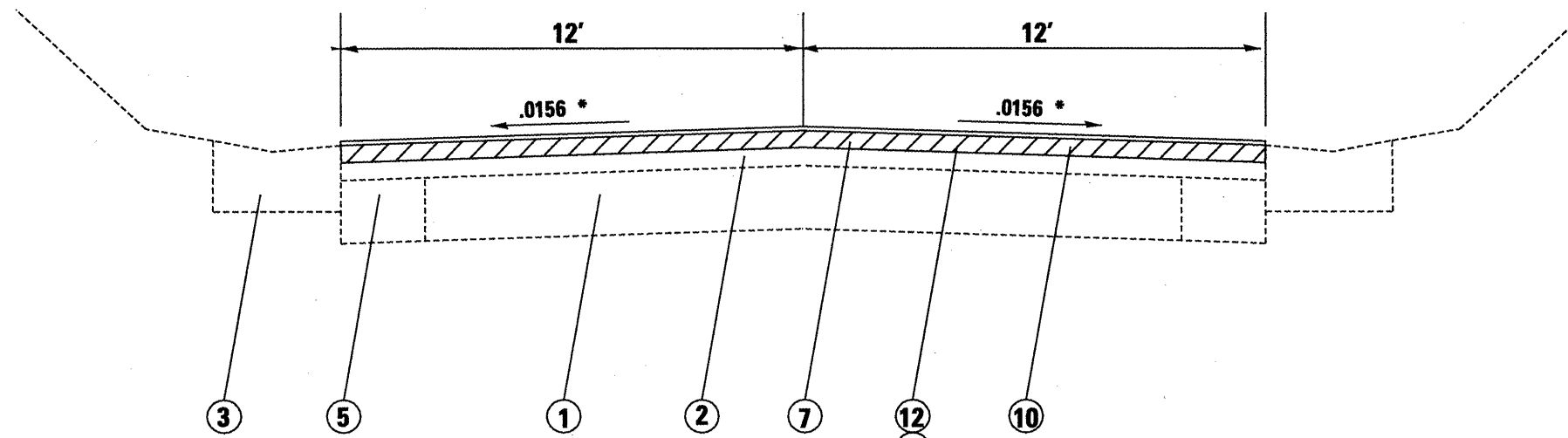
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				1000 RURAL	1000 RURAL
20200100	EARTH EXCAVATION	CU YD	98	98	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	389	389	
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	90	13	77
40600300	AGGREGATE (PRIME COAT)	TON	519	73	446
40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	TON	6973	1027	5946
40600895	CONSTRUCTING TEST STRIP	EACH	1		1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	215	37	178
40600990	TEMPORARY RAMP	SQ YD	80	13	67
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	14616	2064	12552
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	209	49	160
42001300	PROTECTIVE COAT	SQ YD	578		578
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	139501	24392	115109
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	6997		6997
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	26077		26077
44001600	BRIDGE WEARING SURFACE REMOVAL	SQ YD	273		273
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	1457	64	1393
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	160		160
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	174		174
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2540	380	2160
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	0.45	2.55
67100100	MOBILIZATION	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.15	0.85
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.15	0.85

SUMMARY OF QUANTITIES

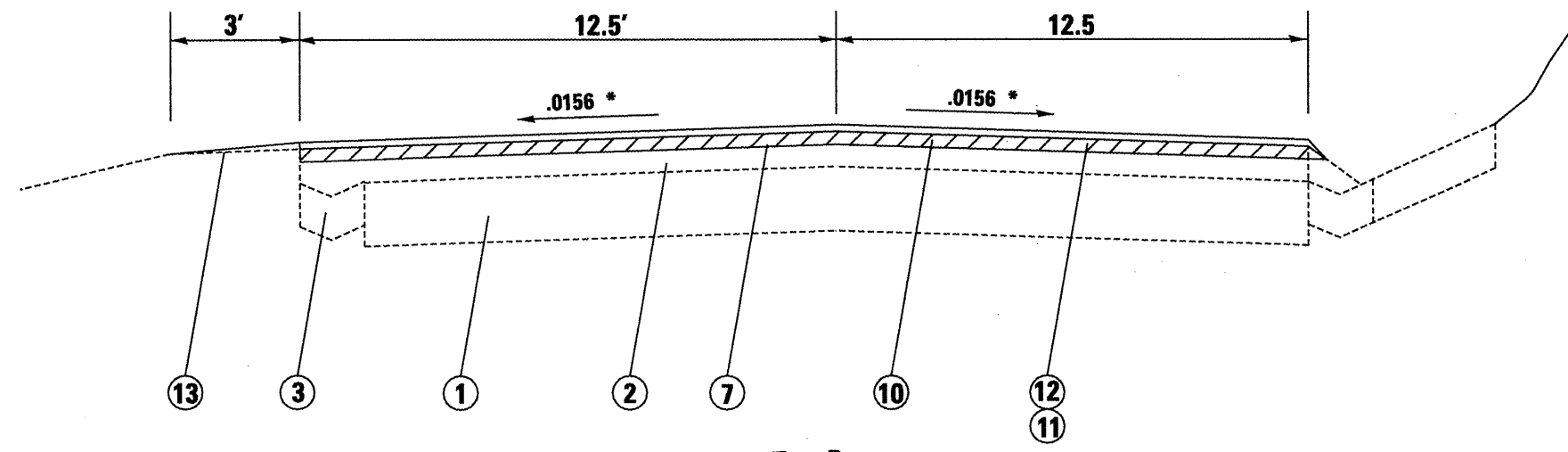
		80/20 FED/ST	
		CONSTRUCTION CODE	
		Henry Co.	Knox Co.
CODE NO.	ITEM	ROADWAY 1000 RURAL	ROADWAY 1000 RURAL
70300100	SHORT-TERM PAVEMENT MARKING	4397	25122
* 70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS		115.2
* 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	23796	163767
* 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"		72
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	363	2073
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS		115.2
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	23796	163767
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"		72
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	125	713
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		713
X0322 729	MATERIAL TRANSFER DEVICE	2064	12552
△ X2503100	MOWING	95	571
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE		1
XZ013798	CONSTRUCTION STATION LAYOUT	0.15	0.85

* Specialty Items

△ NON-PART. (100% STATE)



Typ. C
117+95 to 132+08



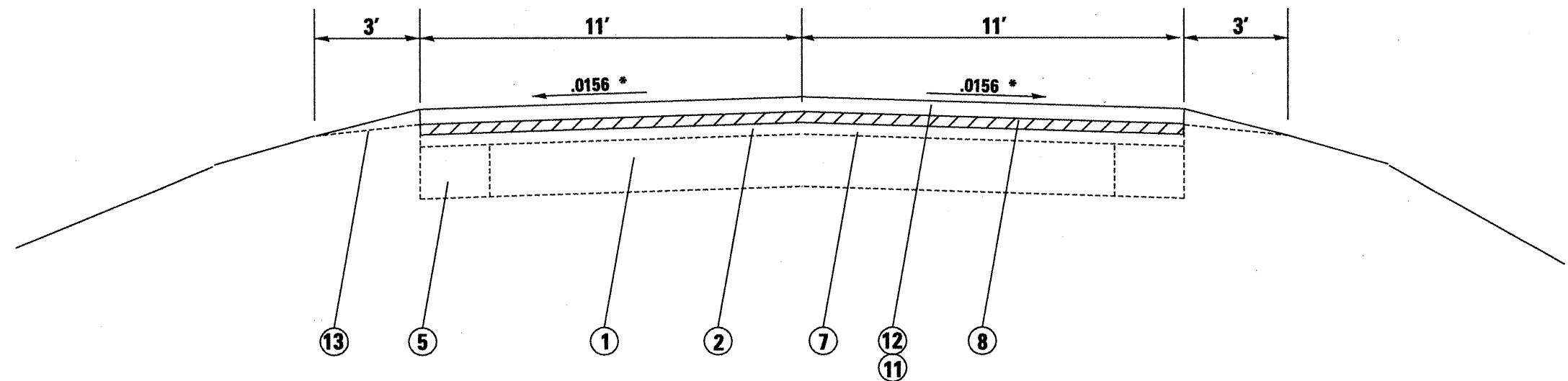
Typ. D
119+67 to 161+56
197+64 to 222+30
333+24 to 347+73

* Match Existing in Super Elevated Locations

NOTE: The transitions between milling thicknesses shall be at a taper rate of 1:240 and measured for payment as HMA Surface Removal of the greater thickness.

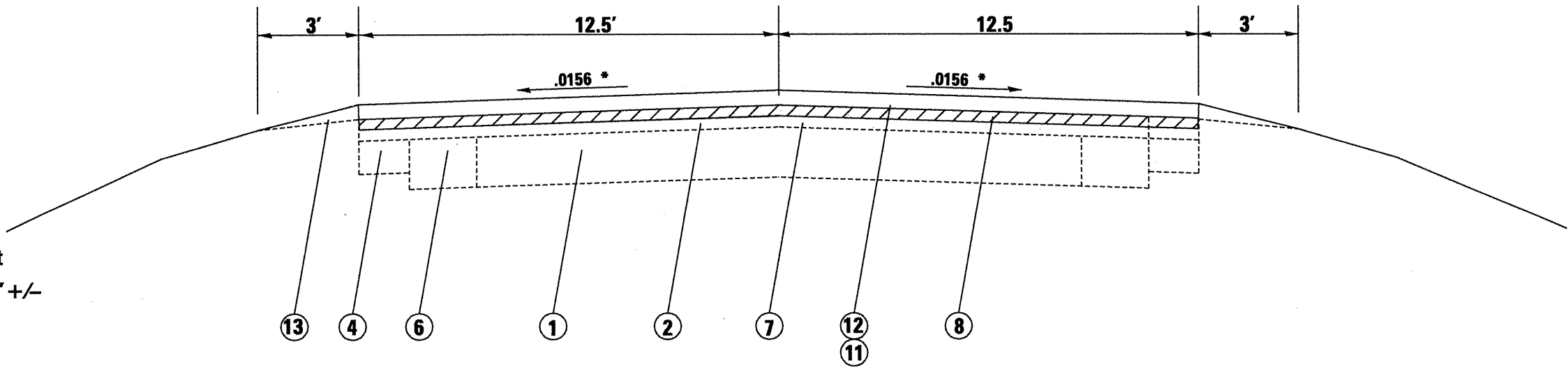
- ① Existing 9-6-9 Pavement
- ② Existing HMA Overlay 4" +/-
- ③ Existing Gutter
- ④ Existing HMA Shoulder
- ⑤ Existing HMA Widening 9"
- ⑥ Existing PCC Widening
- ⑦ Existing Area Reflective Crack Control
- ⑧ Proposed HMA Surface Removal 3/4"
- ⑨ Proposed HMA Surface Removal 1 1/2"
- ⑩ Proposed HMA Surface Removal 2"
- ⑪ Proposed HMA Level Binder 3/4"
- ⑫ Proposed HMA Surface Cse 1 1/2"
- ⑬ Proposed Aggregate Shoulder Type B

FILE NAME = D468604-shr-plan.dgn	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.S. RTE. 1190	SECTION 123RS-4,124RS-5,125,126RS-3	COUNTY Knox/Henry	TOTAL SHEETS 20	SHEET NO. 6
PLOT SCALE = 400.0000' / IN. PLOT DATE = 1/27/2010				SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 68604 ILLINOIS FED. AID PROJECT			



Typ. A

107+00 to 124+53.74 30+00 to 112+40
 112+40 to 117+95 133+45 to 265+11
 0+00 to 111+40



Typ. B

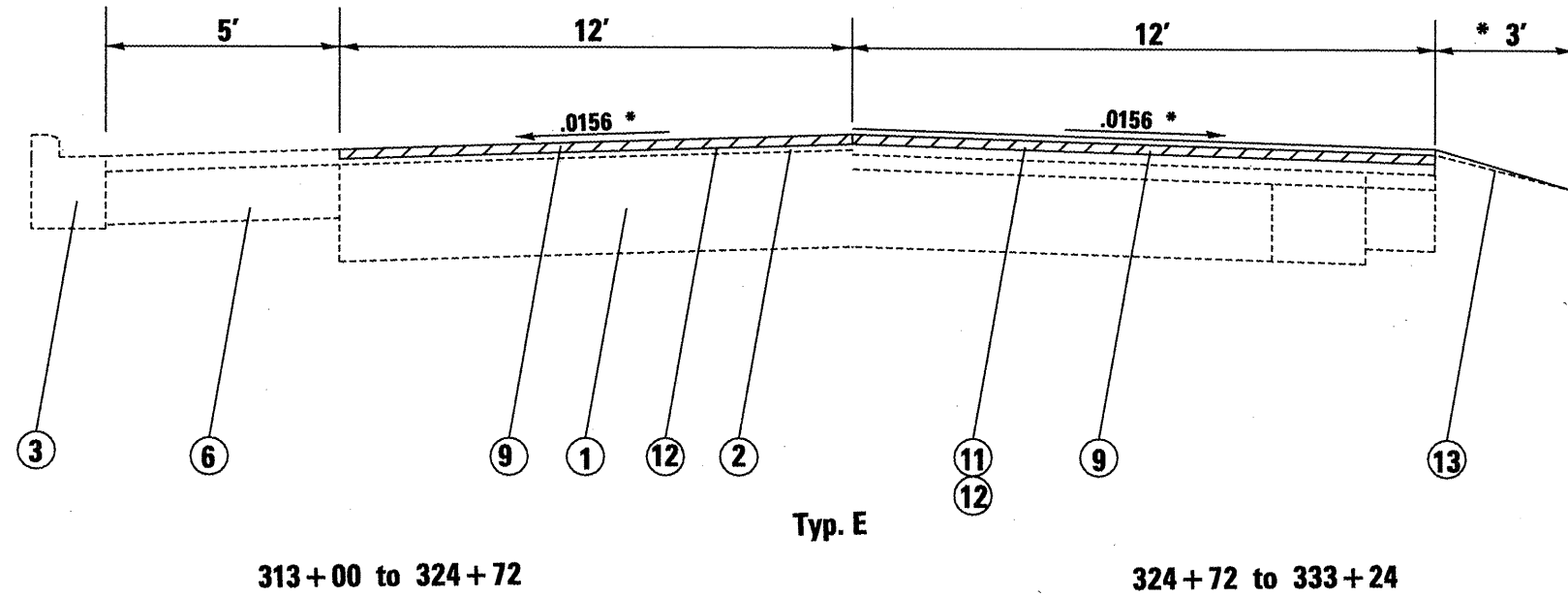
111+40 to 119+67
 161+56 to 197+64
 222+30 to 307+00
 347+73 to 418+00

* Match Existing in Super Elevated Locations

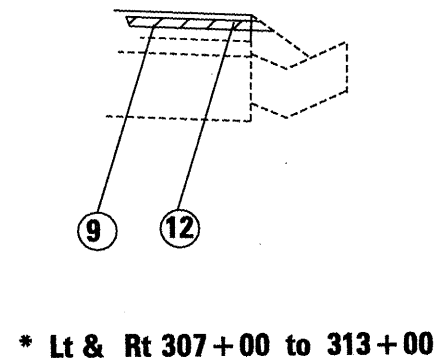
NOTE: The transitions between milling thicknesses shall be at a taper rate of 1:240 and measured for payment as HMA Surface Removal of the greater thickness.

- ① Existing 9-6-9 Pavement
- ② Existing HMA Overlay 4" +/-
- ③ Existing Gutter
- ④ Existing HMA Shoulder
- ⑤ Existing HMA Widening 9"
- ⑥ Existing PCC Widening
- ⑦ Existing Area Reflective Crack Control
- ⑧ Proposed HMA Surface Removal 3/4"
- ⑨ Proposed HMA Surface Removal 1 1/2"
- ⑩ Proposed HMA Surface Removal 2"
- ⑪ Proposed HMA Level Binder 3/4"
- ⑫ Proposed HMA Surface Cse 1 1/2"
- ⑬ Proposed Aggregate Shoulder Type B

FILE NAME = D468684-sht-plan.dgn	USER NAME = loyngedm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -					1190	123RS-4,124RS-5,1125,126RS-3	Knox/Henry	20	7
PLOT DATE = 1/27/2010	DATE -	REVISED -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 68604 ILLINOIS FED. AID PROJECT			



- ① Existing 9-6-9 Pavement
- ② Existing HMA Overlay 4" +/-
- ③ Existing Gutter
- ④ Existing HMA Shoulder
- ⑤ Existing HMA Widening 9"
- ⑥ Existing PCC Widening
- ⑦ Existing Area Reflective Crack Control
- ⑧ Proposed HMA Surface Removal 3/4"
- ⑨ Proposed HMA Surface Removal 1 1/2"
- ⑩ Proposed HMA Surface Removal 2"
- ⑪ Proposed HMA Level Binder 3/4"
- ⑫ Proposed HMA Surface Cse 1 1/2"
- ⑬ Proposed Aggregate Shoulder Type B



NOTE: The transitions between milling thicknesses shall be at a taper rate of 1:240 and measured for payment as HMA Surface Removal of the greater thickness.

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	PLOT SCALE = 480.0000' / IN.	DRAWN -	REVISED -							
	PLOT DATE = 1/28/2010	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.					
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT CONTRACT NO. 68604

EPOXY PAVEMENT MARKING LINE - 4 and TEMPORARY PAVEMENT MARKING LINE

4" Yellow - No Passing Zone NBL

Henry Co. foot		
107+00	to 111+89	489
107+71	to 112+40	469
sub-total		958
Knox Co.		
112+40	to 134+74	2234
58+38	to 73+40	1502
85+64	to 95+00	936
112+35	to 145+76	3341
136+26	to 145+76	950
159+49	to 169+55	955
191+50	to 232+18	4068
240+79	to 249+08	829
286+66	to 292+90	624
306+63	to 363+13	5650
sub-total		21089

4" Yellow - No Passing Zone SBL

Henry Co. foot		
107+71	to 112+40	469
Knox Co.		
112+40	to 124+94	1254
56+08	to 66+28	1020
81+51	to 91+07	956
109+00	to 136+26	2726
151+04	to 159+49	845
187+83	to 222+15	3432
232+18	to 246+44	1426
279+70	to 284+98	528
296+08	to 307+00	1093
318+25	to 353+10	3485
413+29	to 418+00	471
sub-total		17235

4" Yellow Skip Dash

Henry Co. foot		
107+00	to 124+54	438.5
30+00	to 107+71	1943
sub-total		2381.25
Knox Co.		
124+94	to 265+11	3504
0+00	to 59+16	1460
66+28	to 85+64	484
91+07	to 112+35	532
136+26	to 191+50	1381
222+15	to 240+79	466
246+44	to 306+63	1505
307+00	to 318+25	281
353+10	to 418+00	1623
sub-total		11255

White Edge Line 4"

Henry Co. foot		
107+00	to 124+54	3508
30+00	to 112+40	16480
sub-total		19988
Knox Co.		
112+40	to 265+11	30542.6
0+00	to 172+27	34453.52
172+04	to 418+00	49192.1
sub-total		114188.2

Temporary Pav't Marking Line & Epoxy Pav't Marking Line Letters & Symbols

58+70	RXR	57.6	sf
71+27	RXR	57.6	sf
Knox Co. total		115.2	sf

Short Term Pav't Mkg

Henry Co. foot		
107+00	to 124+54	193
30+00	to 112+40	906
sub-total		1099
4 applications		
Knox Co.		
112+40	to 265+11	1680
0+00	to 172+27	1895
172+04	to 418+00	2706
sub-total		6280
4 applications		
Knox Co.		
112+40	to 265+11	1680
0+00	to 172+27	1895
172+04	to 418+00	2706
sub-total		6280
4 applications		
Knox Co.		
112+40	to 265+11	1680
0+00	to 172+27	1895
172+04	to 418+00	2706
sub-total		6280
4 applications		

Work Zone Pav't Mkg Rem

Henry Co. Sq Ft	
1099 x 0.33	363
Knox Co.	
6280 x 0.33	2073

Mowing

Henry Co. Unit		
107+00	to 124+54	18
30+00	to 107+71	78
sub-total		95
Knox Co.		
112+40	to 265+11	153
0+00	to 172+27	172
172+04	to 418+00	246
sub-total		571

Temporary Pav't Marking Ln 24" & Epoxy Pav't Marking Ln 24"

58+70	at RXR	24	lf
71+27	at RXR	24	lf
"STOP" bars at crossing		24	lf
Knox Co. total		72	lf

Raised Reflective Pav't Mkrs

Henry Co. each		
107+00	to 124+54	22
30+00	to 112+40	103
sub-total		125
Knox Co.		
112+40	to 265+11	191
0+00	to 172+27	215
172+04	to 418+00	307
sub-total		713

Raised Reflective Pav't Mkr Removal

Knox Co. each		
112+40	to 265+11	191
0+00	to 172+27	215
172+04	to 418+00	307
sub-total		713

Protective Coat
Pope Creek SN 048-0026 578 sy

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	10
CONTRACT NO. 68604			ILLINOIS FED. AID PROJECT	

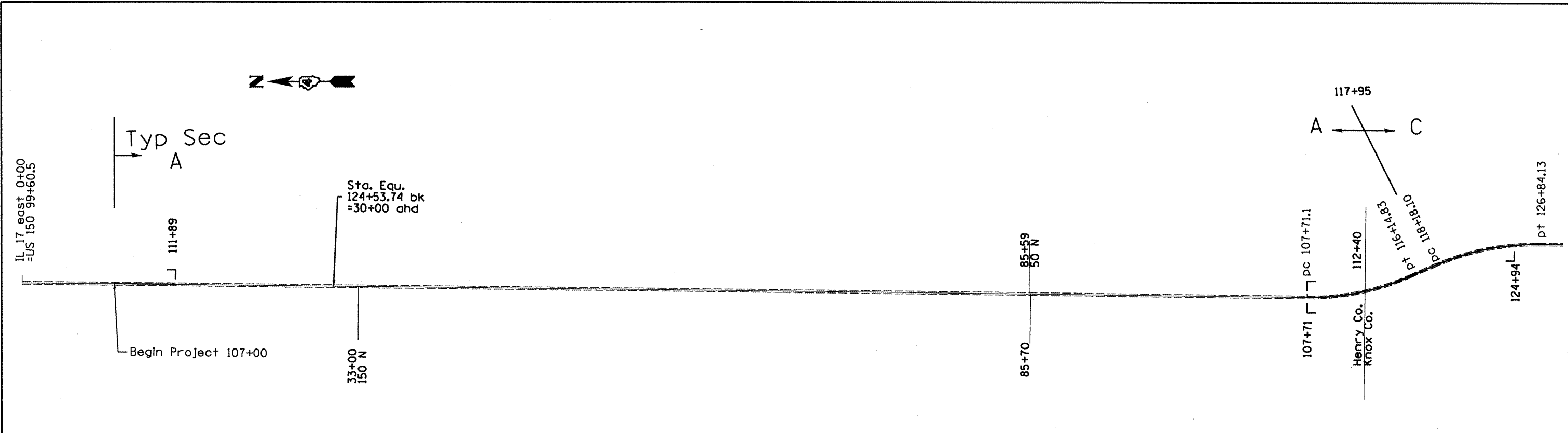
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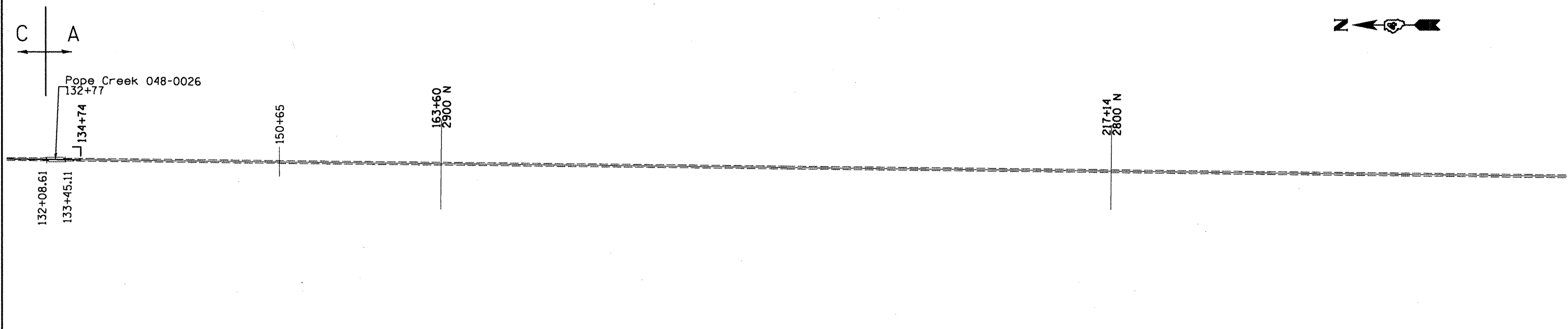
REVISIED -
REVISIED -
REVISIED -
REVISIED -

Class D Patches - 13"

From - To	Size		Type II	Total	Type III	Total	Type IV	Total	From - To	Size		Type II	Total	Type III	Total	Type IV	Total		
	L	W	No.	Sq Yds	No.	Sq Yds	No.	Sq Yds		L	W	No.	Sq Yds	No.	Sq Yds	No.	Sq Yds		
Henry Co Line to N. End of Job	5	12	4	26.7					Henry Co Line to N 2800	5	12	14	93.4						
	6	12	2	16						6	12	10	80						
	8	12	2	21.4						8	12	4	42.7						
total Henry Co.				64						35	12					2	93.4		
										5	12	23	153.4						
										longitudinal half lane patches	6	12	9	72					
											8	12	13	138.7					
											10	12	2	26.7					
											15	12			4	80			
											6	30			3	60			
											6	40					2	53.4	
										N 2800 to N 2600	5	12	5	33.4					
											6	12	5	40					
											8	12	6	64					
											20	12					1	26.7	
									5		12	6	40						
									6		12	4	32						
									15	12			3	20					
									N 2600 to N 2500	5	12	6	40						
										6	12	7	56						
										5	12	4	26.7						
										6	12	1	8						
									N 2500 to N 2250	5	12	4	26.7						
										8	12	5	53.4						
										5	12	2	13.4						
										6	12	14	112						
										8	12	1	10.7						
									N 2250 to N 2100	6	12	2	16						
										8	12	1	10.7						
										10	12	2	26.7						
									N 2100 to S end of job	5	12	6	40						
										6	12	5	40						
										8	12	2	21.4						
										10	12	1	13.4						
										6	12	5	40						
										8	12	2	21.4						
									total Knox Co.				1393			160			174

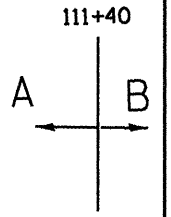


Sta. 108+36 to 115+63 full super .06 ft/ft
 Sta. 118+82 to 126+32 full super .06 ft/ft



┌ ┐ Limits of No Passing Zones

FILE NAME = D468604-shr-plan.dgn	USER NAME = lagnedm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 800.0000' / IN.	DRAWN -	REVISED -		1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	12				
	PLOT DATE = 1/26/2010	CHECKED -	REVISED -		CONTRACT NO. 68604				ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				



Sta. Equ.
265+11.30 bk
=0+00 ahd

5+68
2700 N
Rio Rd

56+08
58+38
59+16
2600 N

RR 65+00
BN&SF

66+05
Ch 34

73+40

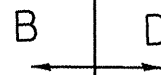
81+51
85+64
2550 N

95+00

109+00
112+35
pc 110+96.88
Ontario Rd



119+67



pt 121+01.97

pc 130+86.33

136+26

pt 140+86.39

145+76

Henderson Crk. 048-0027
150+65 (see detail sheet)

151+04

159+49

pc 162+14.34

167+71
Oak Grove Lane
169+55

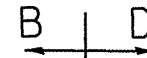
pt 172+21.71

Sta. Equ.
172+26.76 bk
=172+03.95 ahd

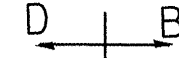
187+83

191+50
2350 N

197+64



222+30



222+15

232+18
232+18

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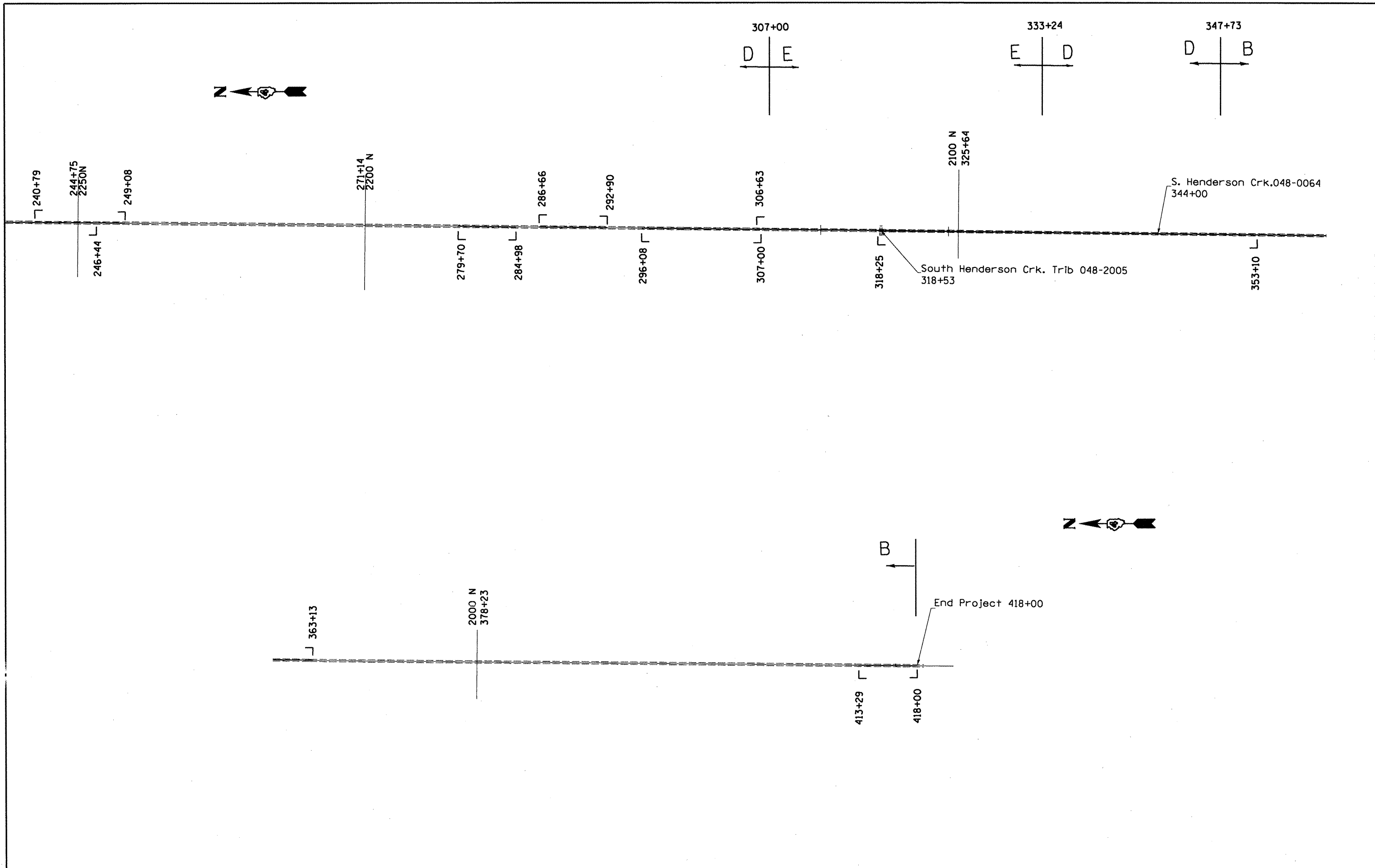
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	13
CONTRACT NO. 68604			ILLINOIS FED. AID PROJECT	



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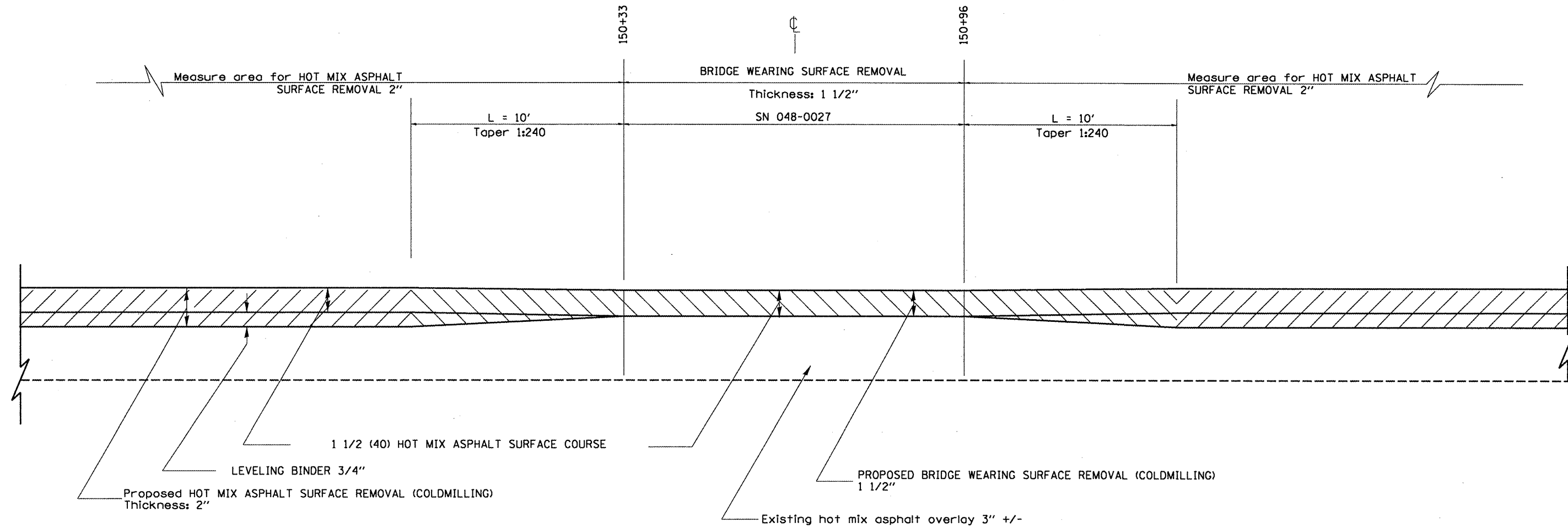
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

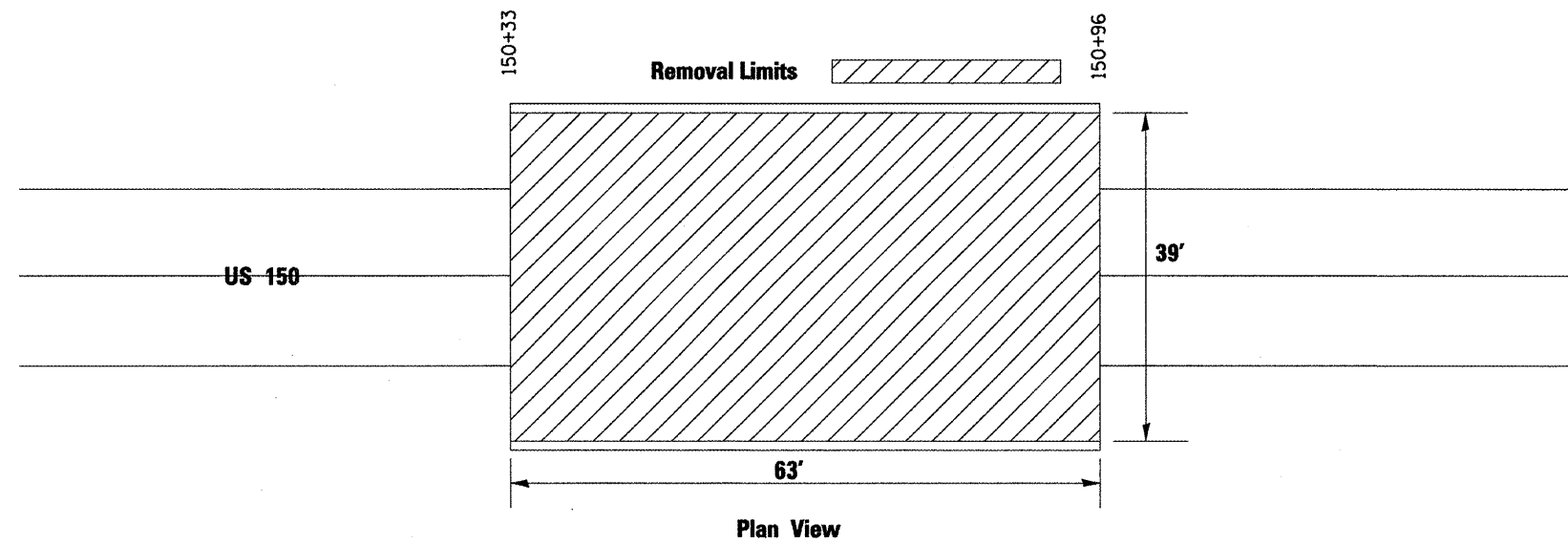
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	14

CONTRACT NO. 68604
ILLINOIS FED. AID PROJECT



BRIDGE WEARING SURFACE REMOVAL



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

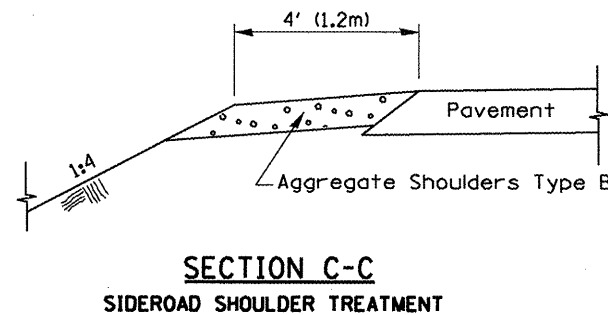
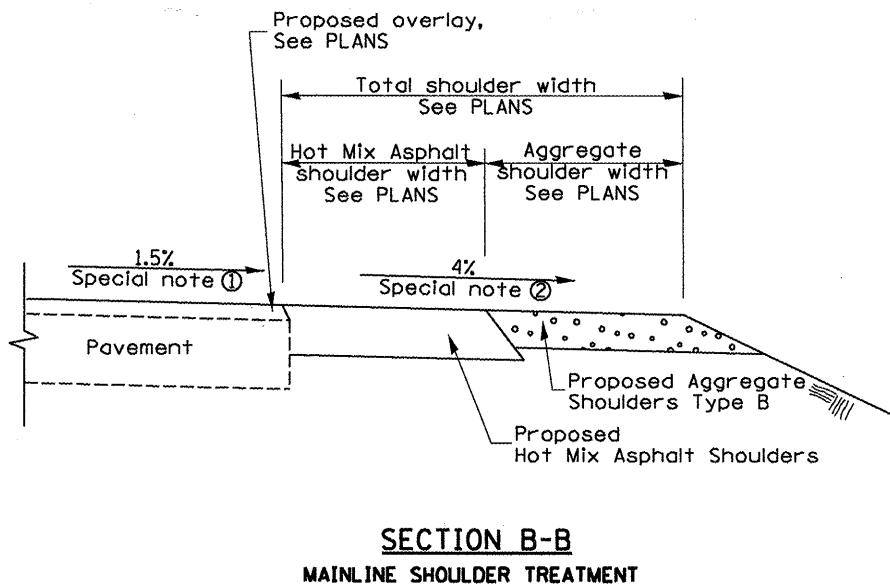
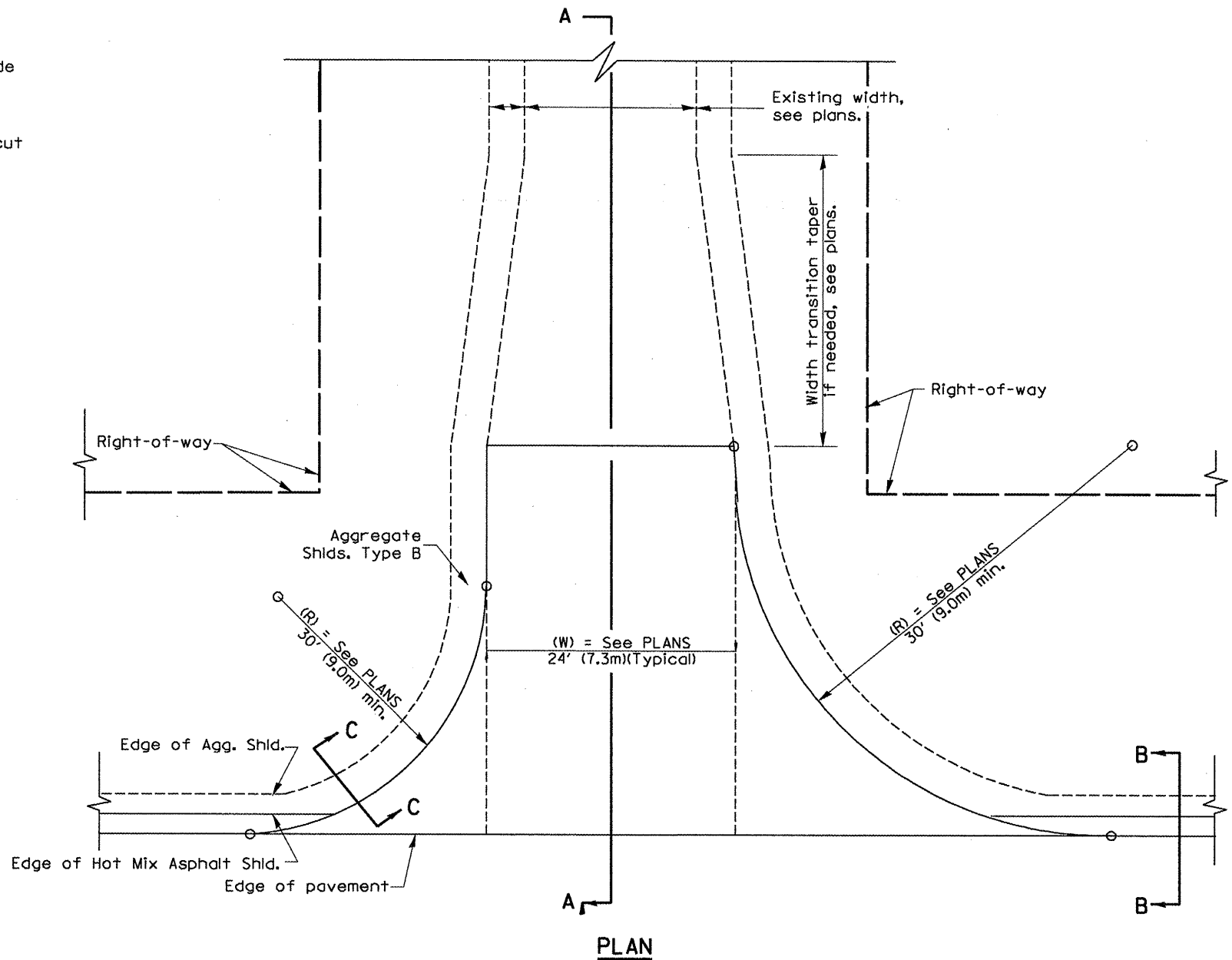
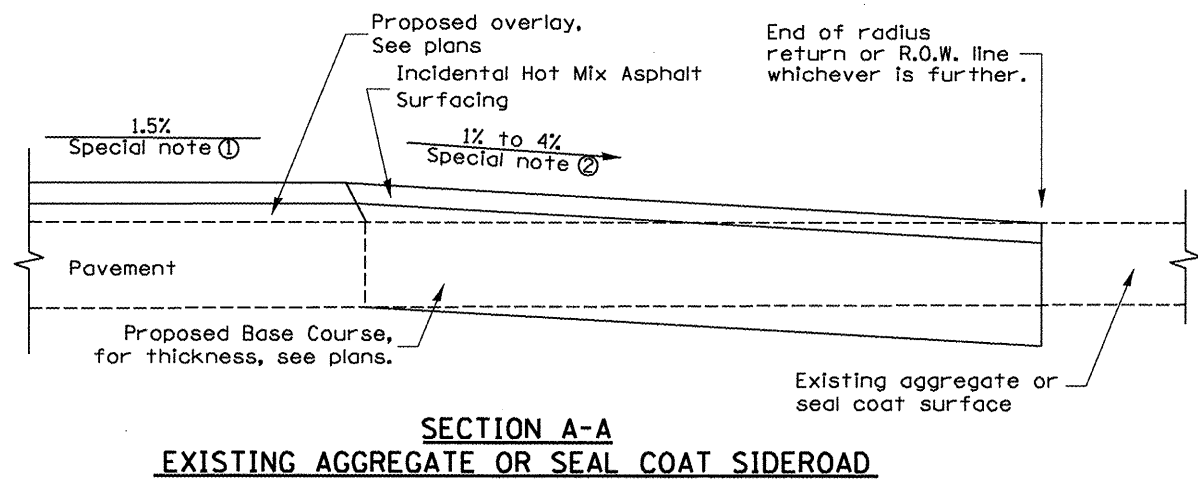
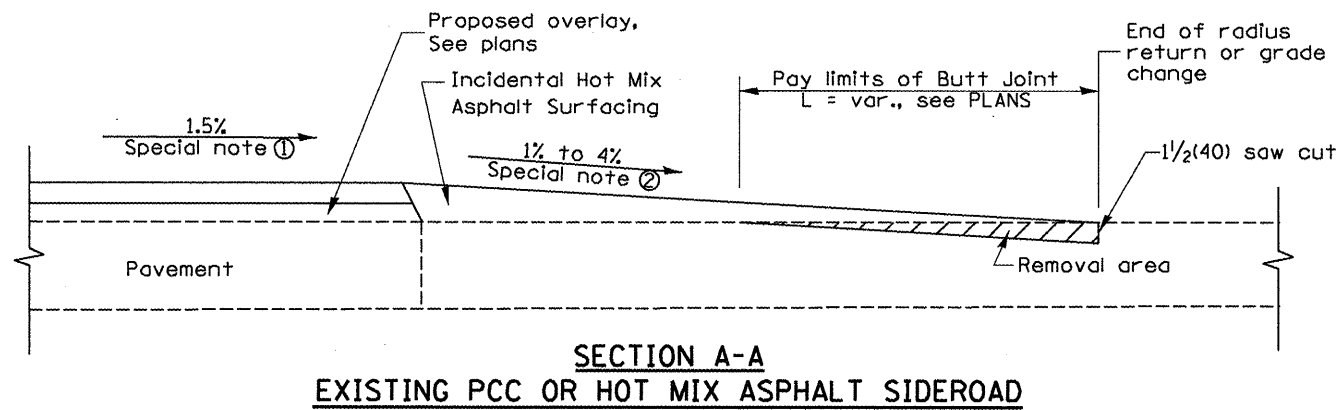
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

BRIDGE WEARING SURFACE REMOVAL
STRUCTURE 048-0027
STA 150 + 65

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68604	

DESIGNER NOTES:
1. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE MANUAL.



SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on super-elevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline super-elevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

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

01-01-97	RENJ.M. C-105.02, NEW REVISION BOX	T.P.
07-01-97	REVISE DESIGNER NOTES	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

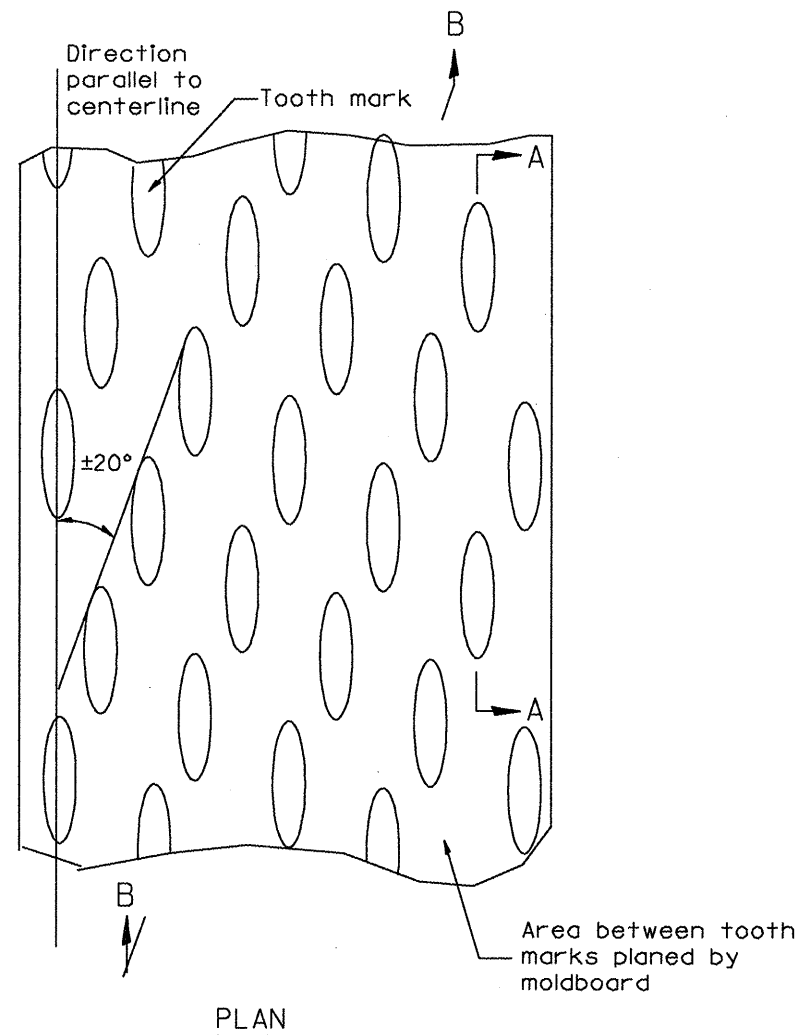
RURAL SIDEROADS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406401-D4

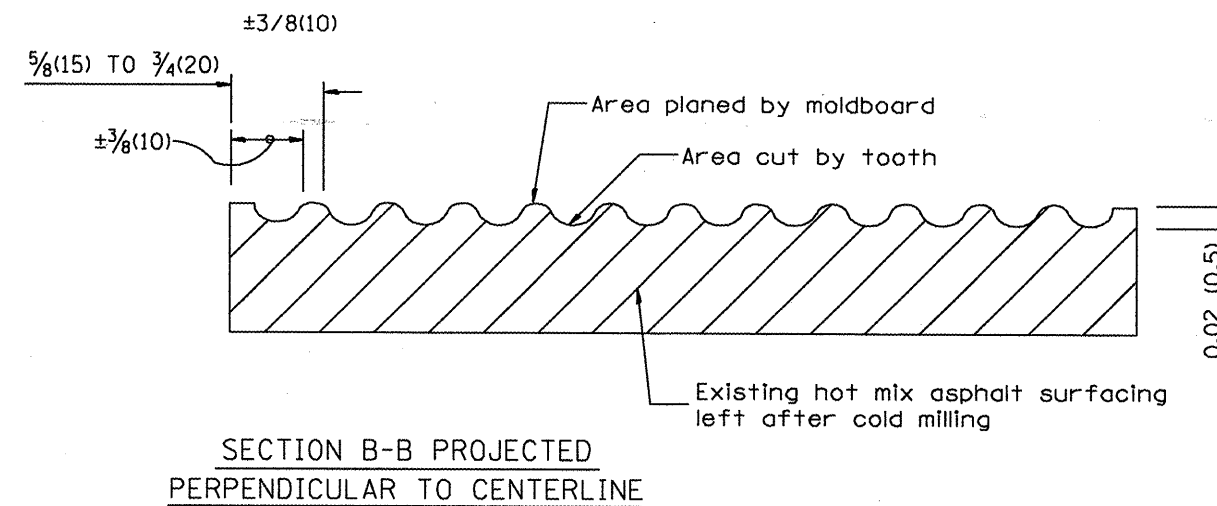
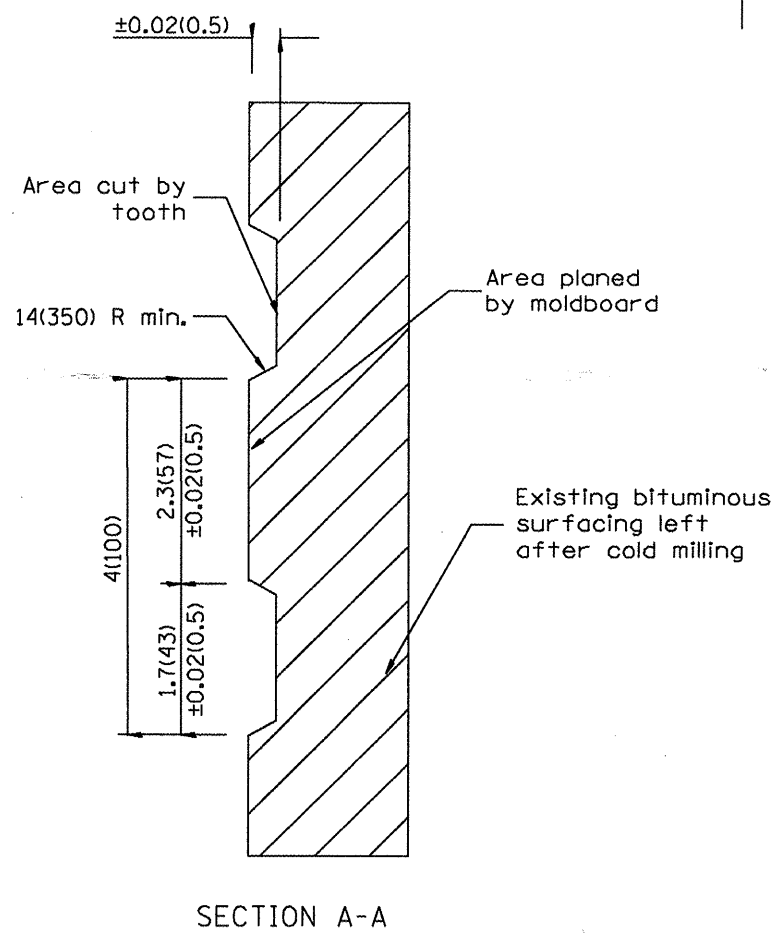
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	16
CONTRACT NO. 68604			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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



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.



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

01-01-97	RENUM. C-104.01. NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

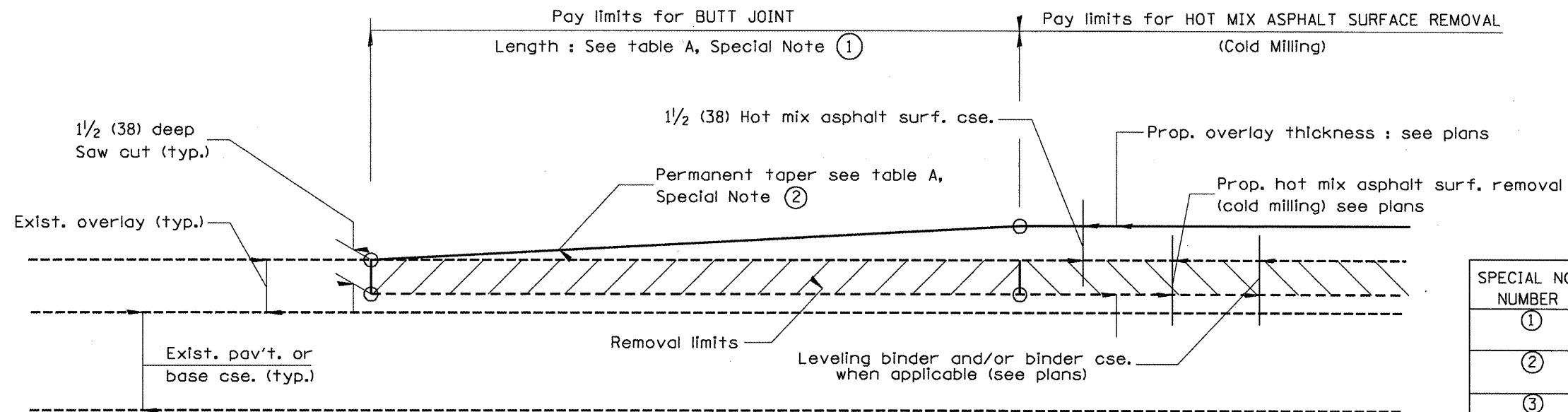
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123R5-4,124R5-5,125,126/R5-3	Knox/Henry	20	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68604	



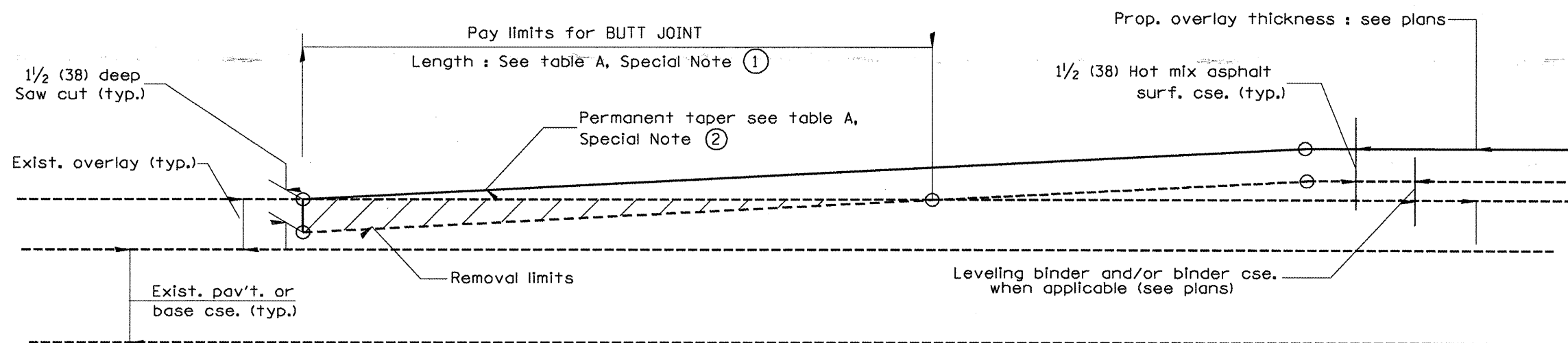
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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)

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

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
04-01-97	CORRECTION TO DEPTH	J.A.
09-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

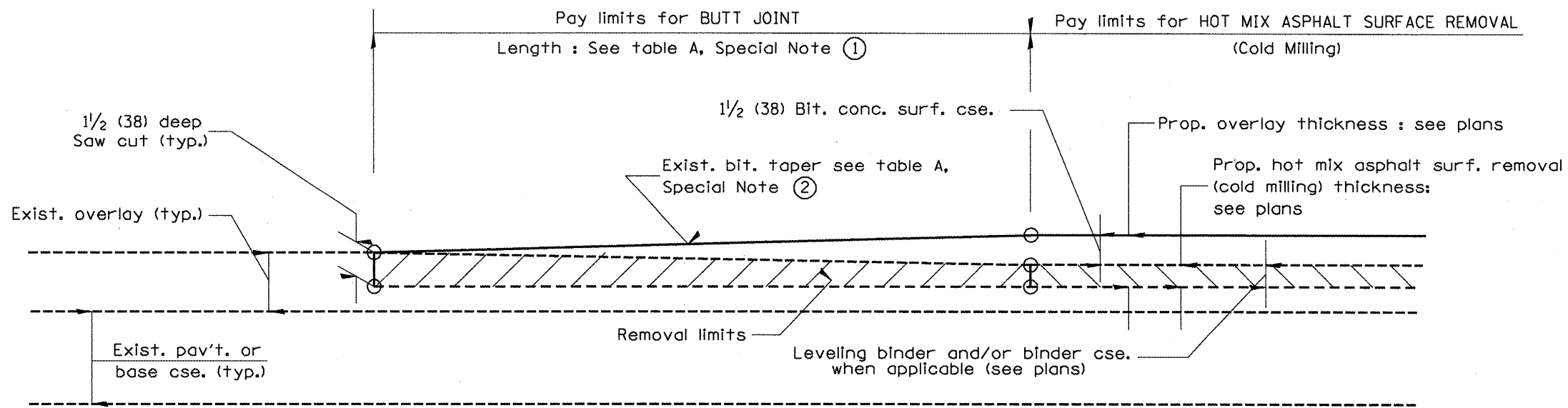
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

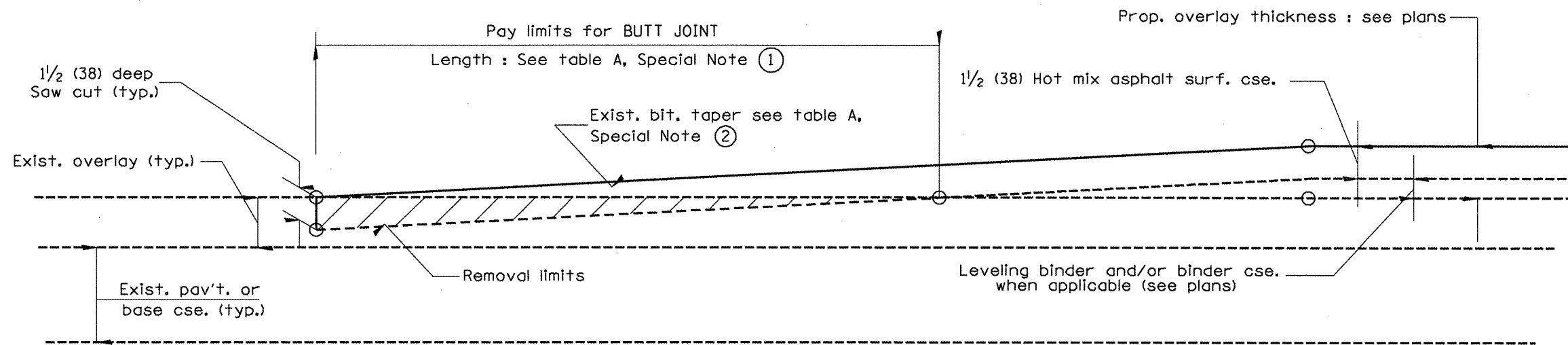
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 406101-D4

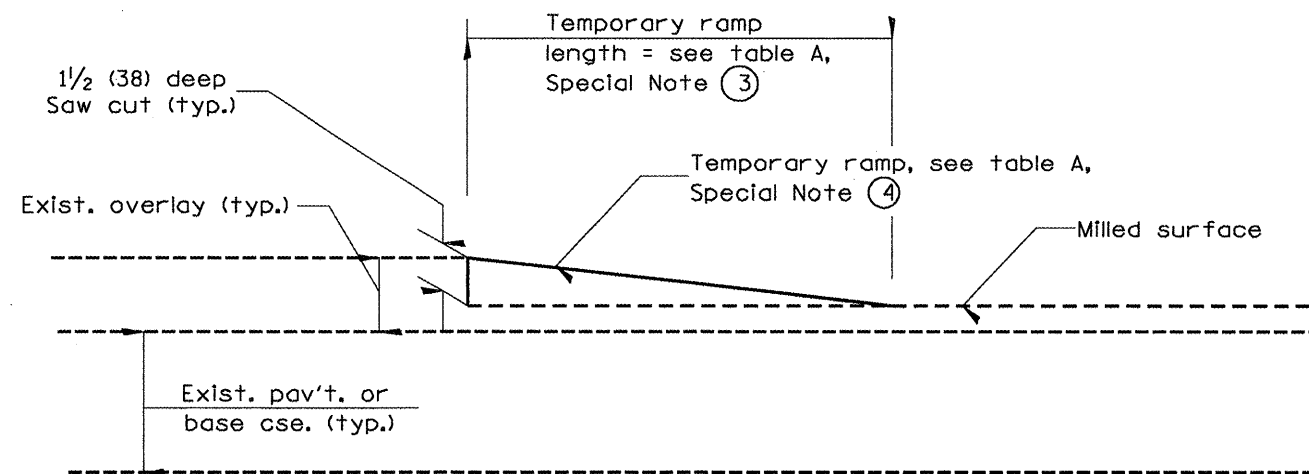
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68604	



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



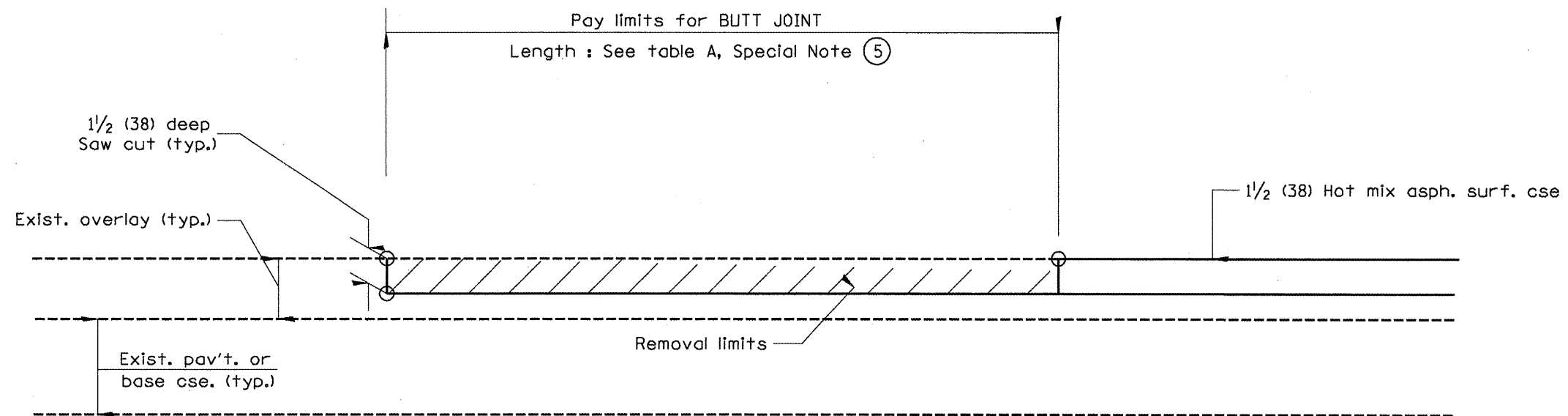
**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 2 OF 3 CADD STD. 406101-D4		F.A. RTE. 1190		SECTION 123RS-4,124RS-5,125,126RS-3		COUNTY Knox/Henry		TOTAL SHEETS 20		SHEET NO. 19	
NOT TO SCALE						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68604					



**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		SHT. 3 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <th>F.A.S. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>1190</td> <td>123RS-4,124RS-5,125,126RS-3</td> <td>Knox/Henry</td> <td>20</td> <td>20</td> </tr> <tr> <td colspan="3">FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</td> <td colspan="2">CONTRACT NO. 68604</td> </tr> </table>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	20	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68604	
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
1190	123RS-4,124RS-5,125,126RS-3	Knox/Henry	20	20																						
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68604																							
				NOT TO SCALE																						