

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	72-(1RS-2);(2,3,4)RS-1	PEORIA	19	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 68613		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

D-94-082-06

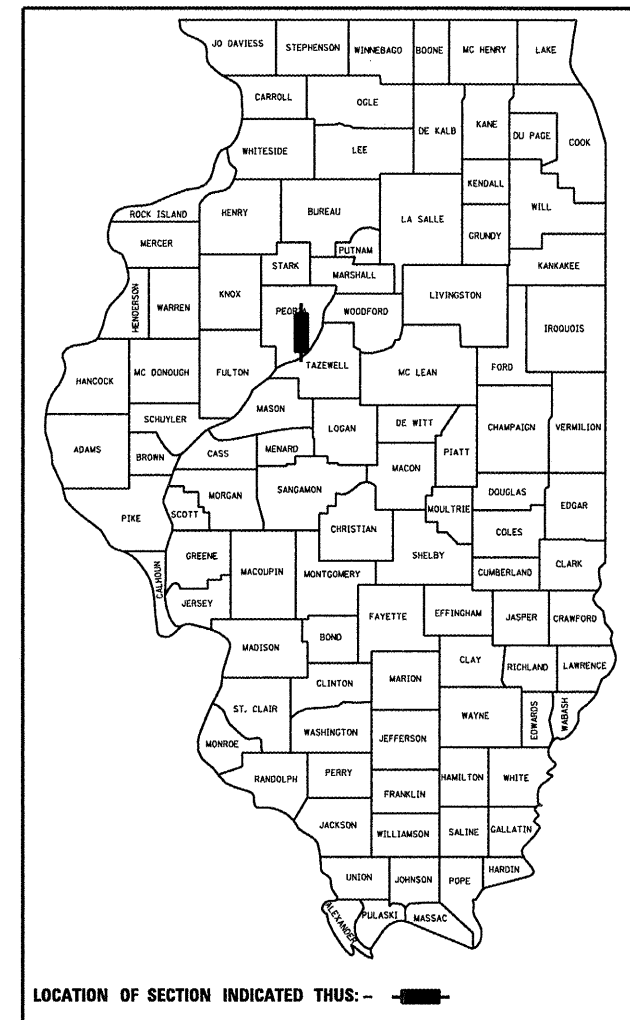
FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY STANDARDS

- 420001-07 701406-05
- 442001-04 701411-05
- 642001-01 701426-03
- 701101-02 701446-01
- 701106-02 701451
- 701400-03 701901-01
- 701401-05 780001-02
- 781001-03

PROPOSED  
HIGHWAY PLANS

FAI ROUTE 474 (I-474)  
SECTION 72-(1RS-2);(2,3,4)RS-1  
PEORIA COUNTY  
C-94-103-06



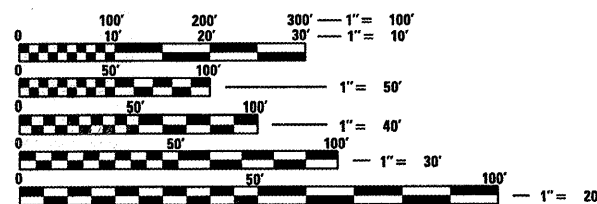
LOCATION OF SECTION INDICATED THUS: —■—

DESCRIPTION OF PROJECT:

2" milling, 2" hot-mix asphalt surface course on I 474 full width lane & shoulder from I 74 to Shade-Lohmann Bridge in Peoria County. Project also includes replacing raised reflective pavement markers, replacing destroyed pavement markings with preformed pavement markings and pavement patching.

I-474

ADT = 36,300 (2007)  
MU = 8.5%  
SU = 3.4%



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 Begins

NB Sta. 418 + 52  
SB Sta. 519 + 29

Station Equation:  
Sta. 55 + 38.70 FAI 474 (Bk) =  
Sta. 528 + 21.01 B End of SB FAI 474 (Ah)

Station Equation:  
Sta. 56 + 27.76 S FAI 474 (Bk) =  
Sta. 428 + 27.63 B End NB FAI 474 (Ah)

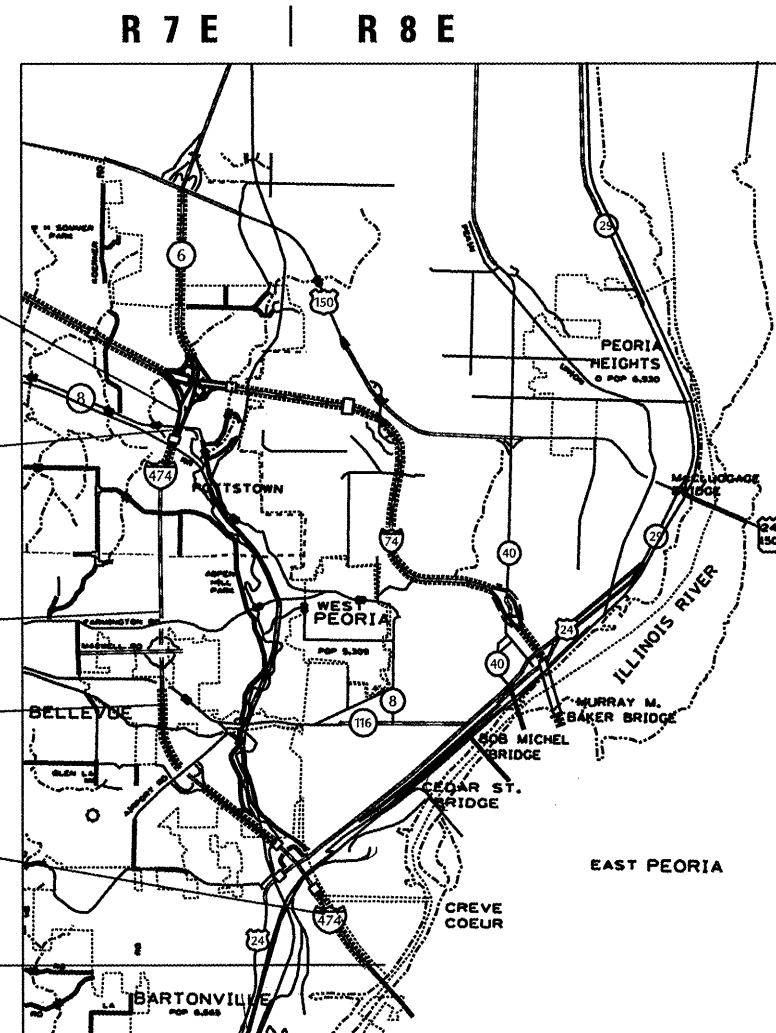
Station Equation:  
Sta. 186 + 92.01 (Bk) = 186 + 90.89 (Ah)

Station Equation:  
Sta. 248 + 99.73 (Bk) = 248 + 98.96 (Ah)

Sta. Equation.:  
Sta. 449 + 28.26 (Bk) = 56 + 07.73 (Ah)

Project Ends

Sta. 63 + 00



T 9 N  
T 10 N

PROJECT ENGINEER: CHRISTOPHER MAUSHARD 309-671-3453  
DESIGN ENGINEER: CHRISTINE L. EVERS 309-671-3477  
CATALOG NO. 033304-00D  
CONTRACT NO. 68613

GROSS LENGTH = 41,021.05 FT. = 7.77 MILE  
NET LENGTH = 41,021.05 FT. = 7.77 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED APR 10 2009  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 1, 2009  
Charles J. Ingenolli  
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

# GENERAL NOTES

## INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS AND GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6-11 SCHEDULE OF QUANTITIES
- 12 LINE DIAGRAM
- 13-15 PAVEMENT MARKING DETAILS
- 16-19 DISTRICT STANDARDS

### COMMITMENTS

There are no commitments for this project.

### 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-D4 PI0100
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

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

### MINIMUM VERTICAL CLEARANCE

The Contractor shall verify the existing structure vertical clearance prior to placing bituminous overlay under any structure. A minimum 16'-10" vertical clearance shall be maintained under all structures.

### SAW CUT - 18" (450 mm) SHOULDER REMOVAL - IN-PLACE WHEEL SAW GRINDING PERMITTED

A full-depth saw cut shall be required at the joint between the pavement that is to be left in place and the existing shoulder that is to be removed. The Contractor may have the option of using a wheel saw to grind up the existing shoulder and leave the finely ground pieces on site under the new shoulder and on the fore slope, with the approval of the Engineer. Maximum size of pieces shall be no more than 3" (75 mm). Larger pieces shall be picked up/removed from the job site. No additional compensation will be allowed for variations in assumed thickness. This work shall not be paid for separately, but shall be included in the cost of the removal items.

### BRIDGE OVERLAY NOTIFICATION

After placement of the bridge deck overlay, the Resident Engineer shall notify the District Bridge Maintenance Engineer of the "as constructed" milling depth and overlay thickness for updating the Illinois Highway Information System.

### 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):	Surface Course	HMA Shoulders (both lifts)
AC/PG:	SBS or SBR 76-22	PG 64-22
RAP% (Max): **	10%	15%
Design Air Voids:	4.0% @ N=90	3.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL12.5	IL 9.5 or 12.5
Friction Aggregate:	Mixture E	Mixture C

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

### 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.

### PROJECT SPECIFIC NOTES

The following structures may be crossed with a loaded Material Transfer Device:  
072-0113, 072-0114, 072-0115, 072-0116, 072-0117, 072-0121, 072-0122, 072-0124  
072-0125, 072-0130.

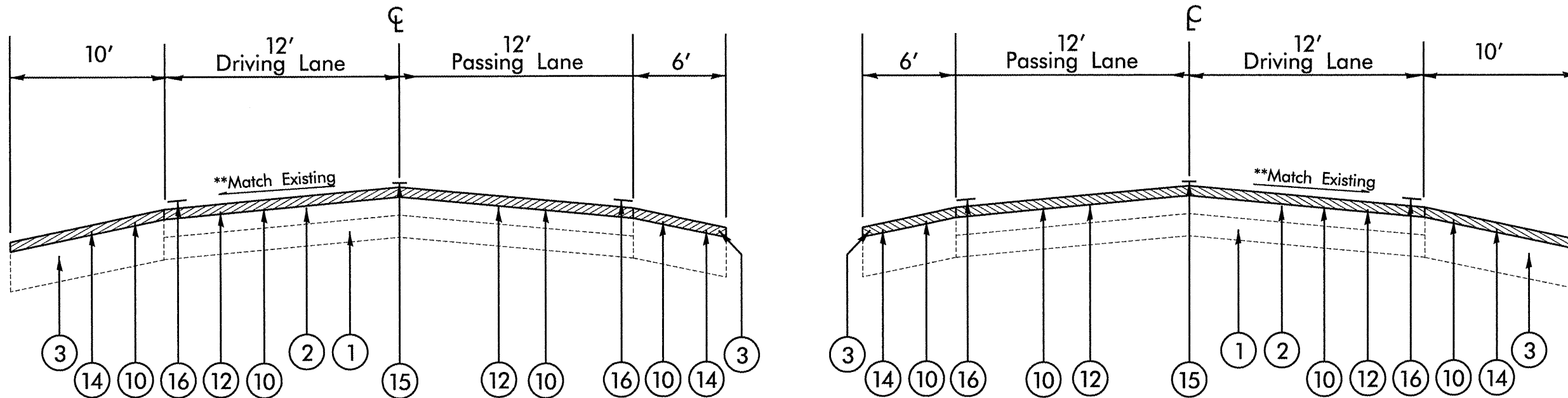
The following structure may be crossed with an empty Material Transfer Device:  
072-0112, 072-0127, 072-0128, 072-0129, 072-0131, 072-0132.

FILE NAME = 174.dgn	USER NAME = loynedm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS &amp; GENERAL NOTES</b>	F.A.I. RTE. 474	SECTION 72-(1RS-2)(2,3,4)RS-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 2
	PLOT SCALE = 400.0000" / IN.	DRAWN -	REVISED -		SCALE:					
	PLOT DATE = 4/9/2009	CHECKED -	REVISED -		SHEET NO. OF SHEETS STA. TO STA.					CONTRACT NO. 68613
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES				CONSTR. CODE
				FAI 474 100% State ROADWAY 1000 URBAN
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	145	145
40600300	AGGREGATE (PRIME COAT)	TON	410	410
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2658	2658
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	14896	14896
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	25040	25040
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	334924	334924
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	25460	25460
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SQ YD	667	667
44200624	CLASS A PATCHES, TYPE III, 14 INCH	SQ YD	480	480
44213000	PATCHING REINFORCEMENT	SQ YD	1147	1147
44213200	SAW CUTS	FOOT	6800	6800
64200105	SHOULDER RUMBLE STRIP	FOOT	74812	74812
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	14	14
70100430	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	EACH	2	2
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	17679	17679
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	163892	163892
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	22648	22648

\* SPECIALTY ITEM





Typical Section  
 I-474  
 Northbound Sta. 418+52 to 63+00  
 Southbound 519+29 to 63+00

Note:  
 HOT-MIX ASPHALT SURFACE REMOVAL 2" on the shoulders shall be done in accordance with Article 440 of the Standard Specifications.

\* At shoulder locations constructed of PCC, this area will be measured and paid for as HOT-MIX ASPHALT SURFACE REMOVAL, 2".

\*\*Match existing slope for HOT-MIX ASPHALT SURFACE REMOVAL, 2".

LEGEND

1. Existing PCC Pavement
2. Existing Hot-Mix Asphalt Overlay
3. Existing BAM Shoulder with Hot-Mix Asphalt Overlay
  
10. Proposed Hot-Mix Asphalt Surface Removal 2"\*
11. Proposed Hot-Mix Asphalt Surface Removal 4"
12. Proposed Hot-Mix Asphalt Surface Course, Mix "E", N90 2"
13. Proposed Hot-Mix Asphalt Shoulders 4"
14. Proposed Hot-Mix Asphalt Shoulders 2", Mix "C", N50
15. Proposed Preformed Plastic Pavement Marking, Type B
16. Proposed Urethane Pavement Marking, 4"

FILE NAME = s74.dgn	USER NAME = everscl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RTE. 474	SECTION 72-(1RS-2)H2,3,4RS-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 5
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68613	
		PLOT SCALE = 400,0000' / IN.	CHECKED -		REVISED -	ILLINOIS FED. AID PROJECT						
		PLOT DATE = 4/9/2009	DATE -		REVISED -							

### Resurfacing Table

Location	Length	Width	Area	HMA Surface Removal	HMA Surface Removal	Polymerized Bituminous Materials	Aggregate Materials	Polymerized HMA Surf Cse	Material Transfer Device
				Butt Joint	2"	(Prime Coat)	(Prime Coat)	Mix E, N90 2****	Ton
	Feet	Feet	Sq Yd	Sq Yd	Sq Yd	Ton	Ton	Ton	Ton
Southbound I-474									
519+29.00 TO 519+89.00	60	24	160	160		0.1	0.3	17.92	17.92
519+89.00 TO 528+21.01	832.01	24	2218.69		2218.69	0.9	4.4	248.49	248.49
528+21 TO 55+39									
55+39 TO 56+79	140.3	Var	915.64		915.64	0.4	1.8	102.55	102.55
56+79 TO 56+89	10	Var	58.89	58.89		0.02	0.1	6.6	6.6
56+89 TO 58+87	198	Bridge Omission - 072-0112							
58+87 TO 58+97	10	Var	55.56	55.56		0.02	0.1	6.22	6.22
58+97 TO 63+74	477	Var	2438		2438	1	4.9	273.06	273.06
63+74 TO 63+84	10	Var	46.67	46.67		0.02	0.1	5.23	5.23
63+84 TO 71+19	735	Bridge Location - 072-0114				1.8		381	
71+19 TO 71+29	10	Var	40	41.11		0.02	0.1	4.48	4.48
71+29 TO 86+91	1562	Var	5293.44		5293.44	2.1	10.6	592.87	592.87
86+91 TO 114+02	2711	24	7229.33		7229.33	2.9	14.5	809.68	809.68
114+02 TO 114+12	10	24	26.67	26.67		0.01	0.1	2.99	2.99
114+12 TO 115+40	128	Bridge Location - 072-0116				0.2		45.5	
115+40 TO 115+50	10	24	26.67	26.67		0.01	0.1	2.99	2.99
115+50 TO 186+92	7142.01	24	19045.36		19045.36	7.6	38.1	2133.08	2133.08
186+92.01 TO 186+90.89									
186+91 TO 222+51	3560.11	24	9493.63		9493.63	3.8	19	1063.29	1063.29
222+51 TO 222+61	10	24	26.67	26.67		0.01	0.1	2.99	2.99
222+61 TO 224+49	188	Bridge Location - 072-0121				0.4		74.3	
224+49 TO 224+59	10	24	26.67	26.67		0.01	0.1	2.99	2.99
224+59 TO 249+00	2440.73	24	6508.61		6508.61	2.6	13	728.96	728.96
248+99.73 TO 248+98.96									
248+98.96 TO 251+49.00	250.04	24	666.77		666.77	0.3	1.3	74.68	74.68
251+49.00 TO 251+59.00	10	24	26.67	26.67		0.01	0.1	2.99	2.99
251+59 TO 253+44	185	Bridge Location - 072-0124				0.3		64.1	
253+44 TO 253+54	10	24	26.67	26.67		0.01	0.1	2.99	2.99
253+54 TO 350+17	9663	24	25768		25768	10.3	51.5	2886.02	2886.02
350+17 TO 350+27	10	24	26.67	26.67		0.01	0.1	2.99	2.99
350+27 TO 360+98	1071	Bridge Omission - 072-0128							
360+98 TO 361+08	10	24	26.67	26.67		0.01	0.1	2.99	2.99
361+08 TO 377+27	1619	24	4317.33		4317.33	1.7	8.6	483.54	483.54
377+27 TO 377+37	10	24	26.67	26.67		0.01	0.1	2.99	2.99
377+37 TO 379+53	216	Bridge Location - 072-0129				0.5		96.4	
379+53 TO 379+63	10	24	26.67	26.67		0.01	0.1	2.99	2.99
379+63 TO 384+84	521	24	1389.33		1389.33	0.6	2.8	155.6	155.6
384+84 TO 384+94	10	24	26.67	26.67		0.01	0.1	2.99	2.99
384+94 TO 392+66	772	Bridge Location - 072-0131				1.9		388.8	
392+66 TO 392+76	10	24	26.67	26.67		0.01	0.1	2.99	2.99
392+76 TO 449+28.26	5652.26	24	15072.69		15072.69	6	30.1	1688.14	1688.14
449+28.26 TO 56+07.73									
56+08 TO 62+90	682.27	24	1819.39		1819.39	0.7	3.6	203.77	203.77
62+40 TO 63+00	60	24	160	160		0.1	0.3	17.92	17.92

PRIME COAT APPLICATION RATES		
SURFACE TYPE	BITUMINOUS PRIME COAT (GAL/SQ YD)	AGGREGATE PRIME COAT (LB/SQ YD)
ON COLD MILLED SURFACE	0.1	4
EXISTING PAVEMENT	0.05	4
FOG COAT ON NEW BINDER	0.03	2
0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT		

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
BITUMINOUS SURFACE COURSE	112 LB / SQ YD / IN
ALL OTHER BITUMINOUS	112 LB / SQ YD / IN
AGGREGATE SHOULDERS	2.05 TONS / CU YD







Shoulder Resurfacing Table

Location	Length	Width	Area	HMA	HMA	Polymerized	HMA	Shoulder	
				Surface	Surface	Bituminous	Surf Cse		Rumble
	Feet	Feet	Sq Yd	Removal	Removal	Materials	Mix C, N50	Strips	
				Butt Joint	2"	(Prime Coat)	2"	Foot	
				Sq Yd	Sq Yd	Ton	Ton		
Northbound I-474									
418+52.00 TO 419+12.00	60	16	106.67	106.67		0.04	11.95	60	
418+62.00 TO 428+27.63	965.63	16	1716.68		1716.68	0.7	192.27	966	
428+28 TO 56+27				Station Equation					
56+27 TO 56+47	20	16	35.56		35.56	0.01	3.98	20	
56+47 TO 56+57	10	16	17.78	17.78		0.01	1.99	10	
56+57 TO 58+60	203			Bridge Location					
58+60 TO 58+70	10	16	17.78	17.78		0.01	1.99	10	
58+70 TO 63+51	481	16	855.11		855.11	0.3	95.77	481	
63+51 TO 63+61	10	16	17.78	17.78		0.01	1.99	10	
63+61 TO 71+40	779			Bridge Location					
71+40 TO 71+50	10	16	17.78	17.78		0.01	1.99	10	
71+50 TO 114+13	4263	16	7578.67		7578.67	3	848.81	4263	
114+13 TO 114+23	10	16	17.78	17.78		0.01	1.99	10	
114+23 TO 115+36	113			Bridge Location					
115+36 TO 115+46	10	16	17.78	17.78		0.01	1.99	10	
115+46 TO 186+92	7146.01	16	12704.02		12704.02	5.1	1422.85	7146	
186+92.01 TO 186+90.89				Station Equation					
186+91 TO 222+83	3592.11	16	6385.97		6385.97	2.6	715.23	3592	
222+83 TO 222+93	10	16	17.78	17.78		0.01	1.99	10	
222+93 TO 225+11	218			Bridge Location					
225+11 TO 225+21	10	16	17.78	17.78		0.01	1.99	10	
225+21 TO 249+00	2378.73	16	4228.85		4228.85	1.7	473.63	2379	
248+99.73 TO 248+98.96				Station Equation					
248+99 TO 251+61	262.04	16	465.85		465.85	0.2	52.18	262	
251+61 TO 251+71	10	16	17.78	17.78		0.01	1.99	10	
251+71 TO 253+59	188			Bridge Location					
253+59 TO 253+69	10	16	17.78	17.78		0.01	1.99	10	
253+69 TO 348+46	9477	16	16848		16848	6.7	1886.98	9477	
348+46 TO 348+56	10	16	17.78	17.78		0.01	1.99	10	
348+56 TO 360+19	1163			Bridge Location					
360+19 TO 360+29	10	16	17.78	17.78		0.01	1.99	10	
360+29 TO 377+29	1700	16	3022.22		3022.22	1.2	338.49	1700	
377+29 TO 377+39	10	16	17.78	17.78		0.01	1.99	10	
377+39 TO 379+55	216			Bridge Location					
379+55 TO 379+65	10	16	17.78	17.78		0.01	1.99	10	
379+65 TO 384+60	495	16	880		880	0.4	98.56	495	
384+60 TO 384+70	10	16	17.78	17.78		0.01	1.99	10	
384+70 TO 393+32	862			Bridge Location					
393+32 TO 393+42	10	16	17.78	17.78		0.01	1.99	10	
393+42 TO 449+28	5586.26	16	9931.13		9931.13	4	1112.29	5586	
449+28.26 TO 56+07.73				Station Equation					
56+08 TO 62+40	632.27	16	1124.04		1124.04	0.4	125.89	632	
62+40 TO 63+00	60	16	106.67	106.67		0.04	11.95	60	
GRAND TOTAL					995.64	132109.84	53.29	14895.86	74811.78

PERMANENT AND TEMPORARY PAVEMENT MARKINGS						
Location	Urethane			Preformed Plastic Type B	Raised Reflective Pavement Markers	Raised Reflective Pavement Markers Removal
	4"	8"	12"	6"		
	Foot	Foot	Foot	Foot	Each	Each
<b>Northbound</b>						
418+52 to 428+28	1951			488	26	26
56+28 to 186+92	26129			4110	203	203
186+91 to 249+00	12418			1553	78	78
248+99 to 449+28	40059			5008	251	251
56+08 to 63+00	1385			174	9	9
Maxwell Road Ramp		436	6		6	6
Airport Road - Ramp C		732				
Airport Road - Ramp A		463	20		10	10
US 24 - Ramp A		610				
US 24 - Ramp F		490	18		7	7
<b>Southbound</b>						
519+29 to 528+21	1784			448	24	24
55+39 to 186+92	26307			4132	204	204
186+91 to 249+00	12418			1553	78	78
248+99 to 449+28	40059			5008	251	251
56+08 to 63+00	1385			174	9	9
Maxwell Road - Ramp A		541	18		14	14
Maxwell Road - Ramp E		754				
Airport Road - Ramp D		487	21		7	7
US 24 - Ramp D		463	20		7	7
US 24 - Ramp E		745				
US 24 - Ramp C		171				
<b>TOTAL</b>	<b>163892</b>	<b>5892</b>	<b>103</b>	<b>22648</b>	<b>1184</b>	<b>1184</b>

SHORT TERM PAVEMENT MARKING						WORK ZONE PAVEMENT MARKING REMOVAL
Location	Length	Dash	Shoulder	x3 Apps	Sq Ft	
					Foot	Foot
<b>Northbound</b>						
418+52 to 428+28	1951.36	195	78	819		273
56+28 to 186+92	13907	1391	556	5841		1947
186+91 to 249+00	6208.84	621	248	2607		869
248+99 to 449+28	20029.3	2003	801	8412		2804
56+08 to 63+00	692.27	69	28	291		97
<b>Southbound</b>						
519+29 to 528+21	1784.02	178	71	747		249
55+39 to 186+92	13996	1400	560	5880		1960
186+91 to 249+00	6208.84	621	248	2607		869
248+99 to 449+28	20029.3	2003	801	8412		2804
56+08 to 63+00	692.27	69	28	291		97
<b>Total</b>				<b>17679</b>		<b>5893</b>

Centerline = 4' per 40'  
Shoulder = 4' diagonal every 100'

LOCATION	Structure Number	HMA SURFACE REMOVAL (DECK)
		SQ YD
Northbound		
Sta. 56+57 to 58+60	072-0113	Bridge Omission
Sta. 63+61 to 71+40	072-0115	4613.5
Sta. 114+23 to 115+36	072-0117	476.7
Sta. 222+93 to 225+11	072-0122	896.3
Sta. 251+71 to 253+59	072-0125	769.7
Sta. 348+56 to 360+19	072-0127	Bridge Omission
Sta. 377+39 to 379+55	072-0130	1001.1
Sta. 384+70 to 393+32	072-0132	5200.9
Southbound		
Sta. 56+89 to 58+87	072-0112	Bridge Omission
Sta. 63+84 to 71+19	072-0114	4535.7
Sta. 114+12 to 115+40	072-0116	541.7
Sta. 222+61 to 224+49	072-0121	884.4
Sta. 251+59 to 253+44	072-0124	762.9
Sta. 350+27 to 360+98	072-0128	Bridge Omission
Sta. 377+37 to 379+53	072-0129	1147.9
Sta. 384+94 to 392+66	072-0131	4628.9
Total		25459.7

Location	Class A Type II	Class A Type III	Patching Reinforcement	Saw Cuts
	Patch 14"	Patch 14"	Sq Yd	Foot
	Sq Yd	Sq Yd	Sq Yd	Foot
Illinois River to US 24				
Eastbound	54	75	129	672
Westbound	139	19	158	1100
US 24 to Airport Rd				
Eastbound	56	16	72	492
Westbound	110	70	180	1084
Airport Rd to Maxwell Rd				
Eastbound	56	32	88	564
Westbound	27	38	65	336
Maxwell Rd to N of IL 8				
Eastbound	185	110	295	1784
Westbound	40	120	160	768
Total	667	480	1147	6800

ENGINEER'S FIELD OFFICE	
LOCATION	CAL MO
Jobsite	4
TOTAL	4

MOBILIZATION	
LOCATION	L SUM
Jobsite	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION 701411	
LOCATION	EACH
Jobsite	14
TOTAL	14

TRAFFIC CONTROL & PROTECTION 701406	
LOCATION	L SUM
Jobsite	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION 701401	
LOCATION	L SUM
Jobsite	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION 701451	
LOCATION	L SUM
Jobsite	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION 701446	
LOCATION	EACH
Jobsite	2
TOTAL	2

TRAFFIC CONTROL & PROTECTION 701446	
LOCATION	EACH
Jobsite	2
TOTAL	2

MOWING	
LOCATION	UNIT
Jobsite	410
TOTAL	410

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL DA
Jobsite	32
TOTAL	32

CONSTRUCTION LAYOUT	
LOCATION	L SUM
Jobsite	1
TOTAL	1

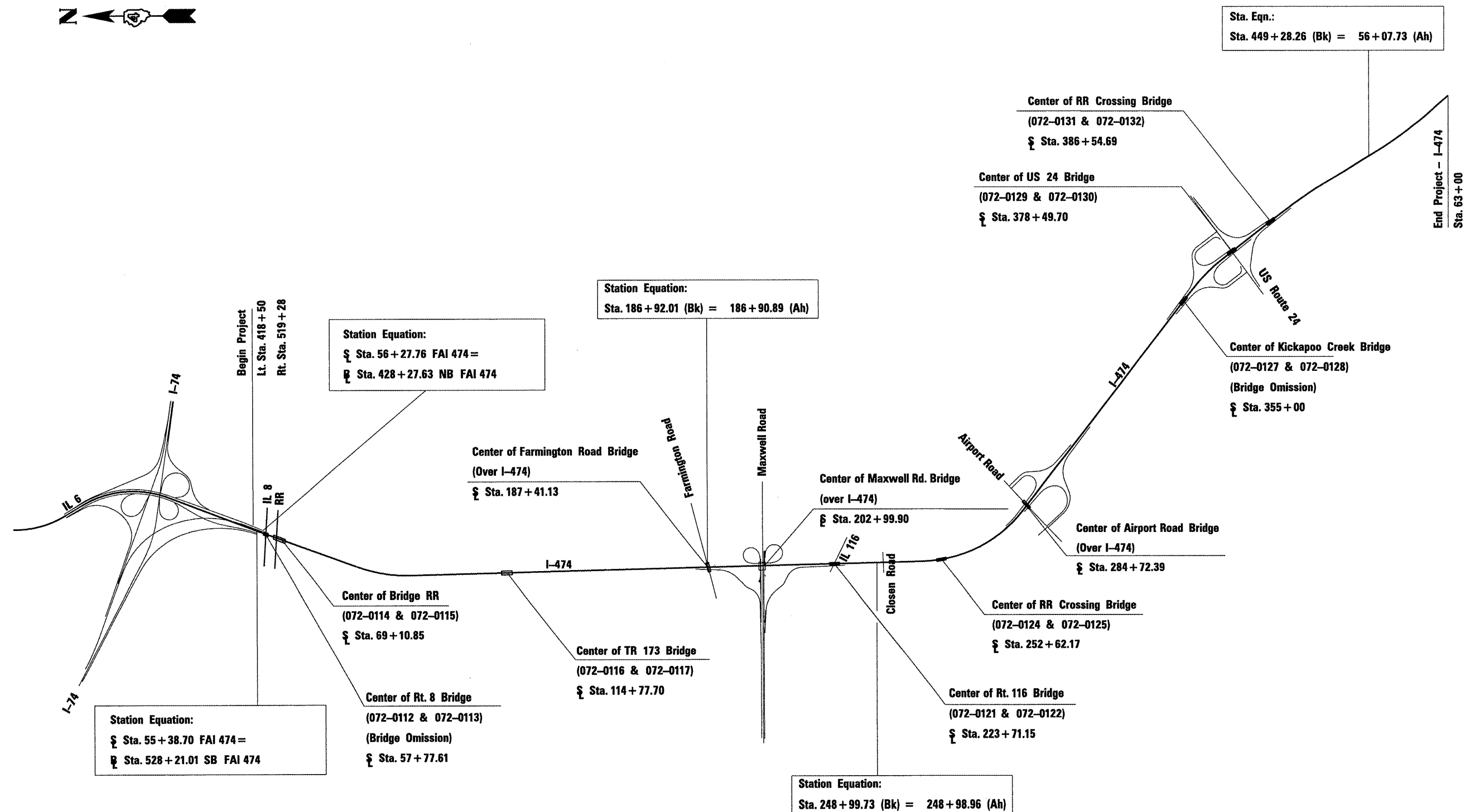
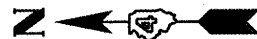
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

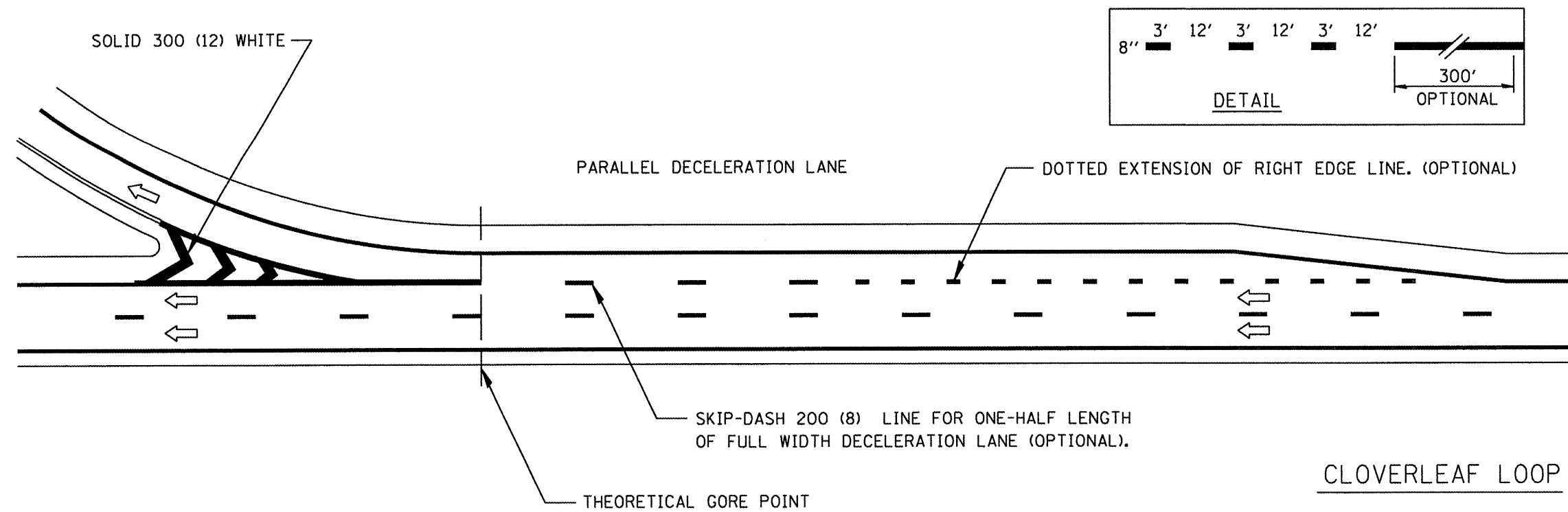
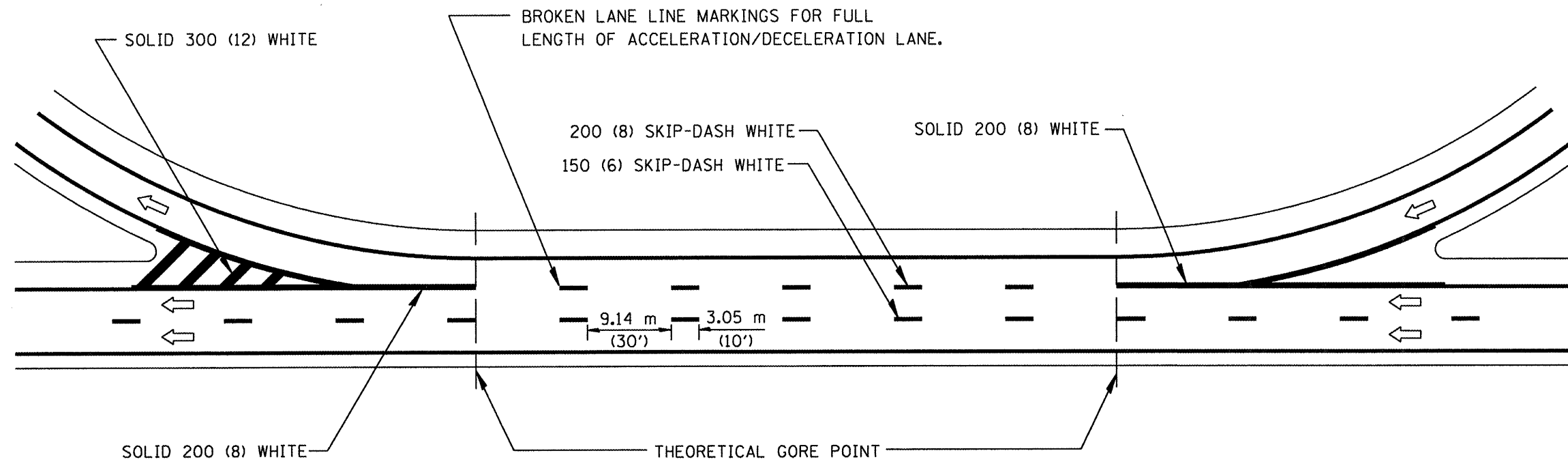
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F.A.J. RTE. 474	SECTION 72-(1RS-2)(2,3,4)RS-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 11
				CONTRACT NO. 68613
ILLINOIS FED. AID PROJECT				



Not to Scale

FILE NAME = 174.dgn	USER NAME = everscl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LINE DIAGRAM</b>	F.A.I. RTE. 474	SECTION 72-11RS-2H2,3,4RS-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 12	
PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 68613				
PLOT DATE = 4/9/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								



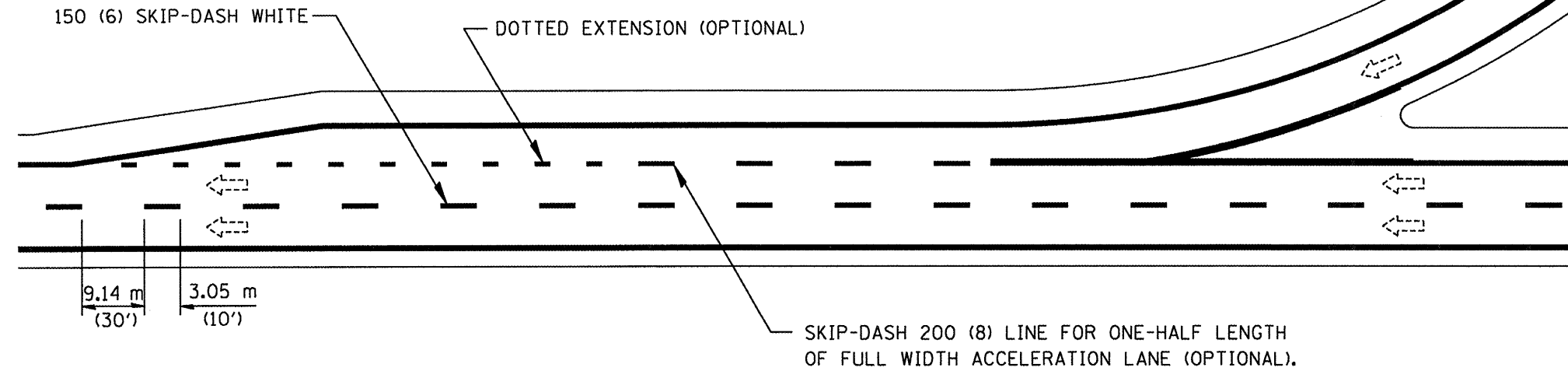
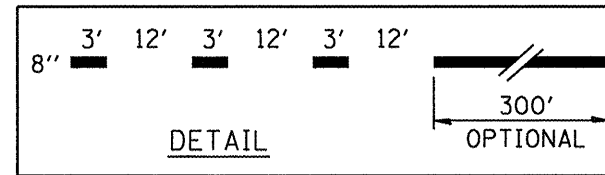
**CLOVERLEAF LOOP  
RAMP MARKINGS**

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

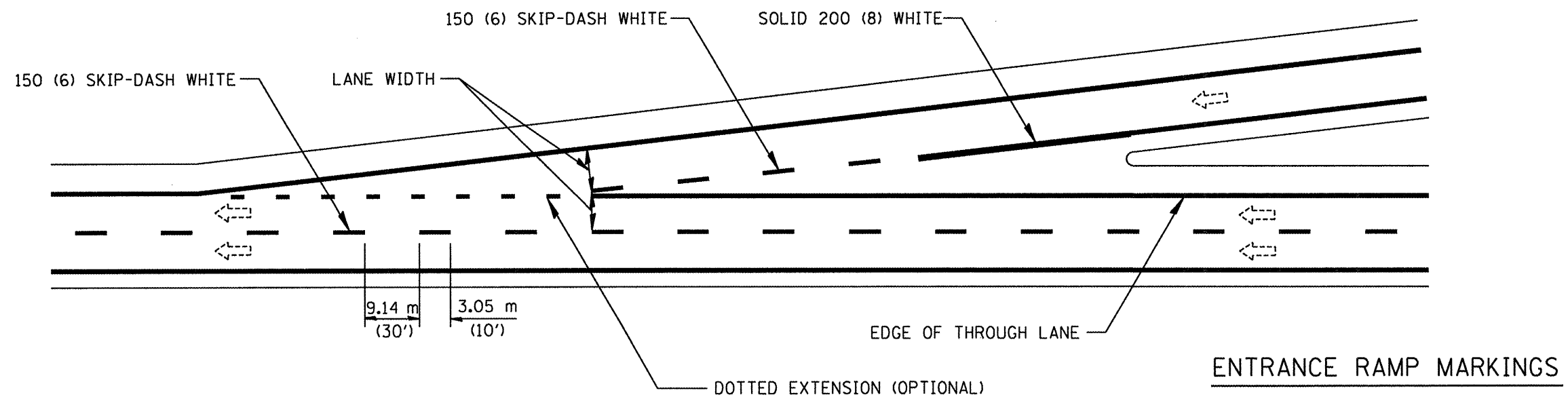
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PLOT DATE = 4/9/2009					DATE -	REVISED -	ILLINOIS FED. AID PROJECT						



A - PARALLEL ACCELERATION LANE



B - TAPERED ACCELERATION LANE



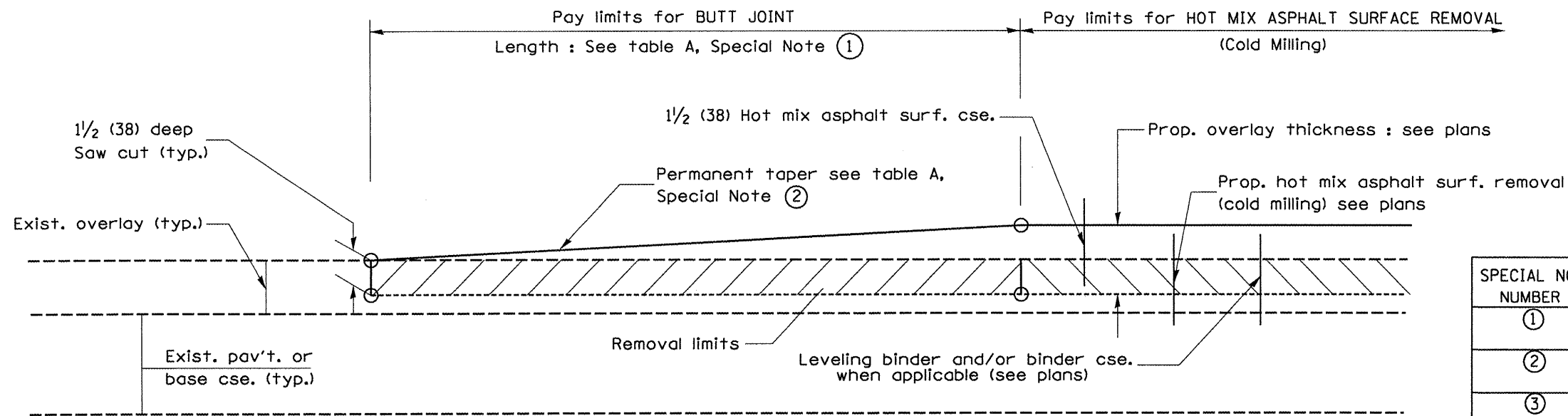
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		DATE -	REVISED -
PLOT SCALE = 400.0000" / IN.			
PLOT DATE = 4/9/2009			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL

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

F.A.I. RTE. 474	SECTION 72-(IRS-2)(2,3,4)RS-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 15
CONTRACT NO. 68613				
ILLINOIS FED. AID PROJECT				



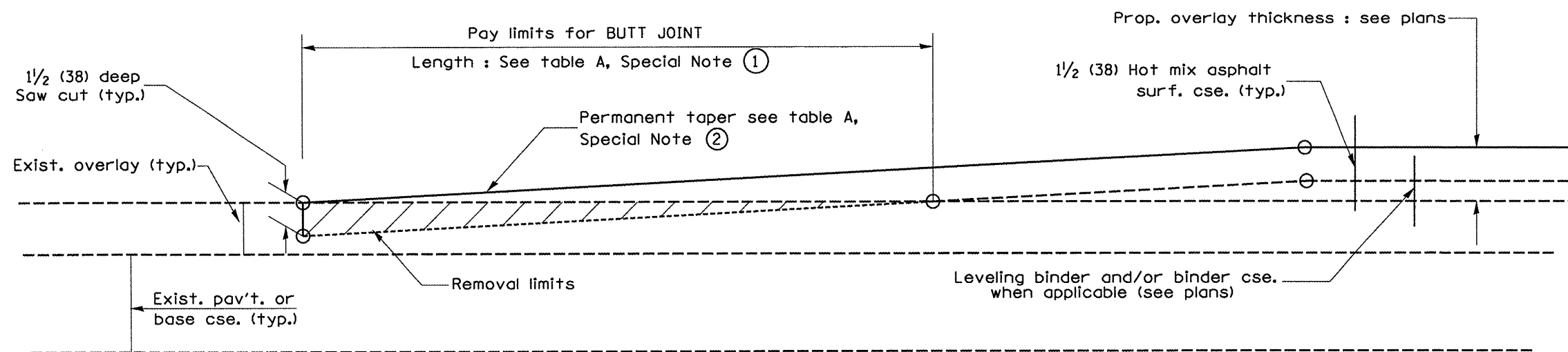
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**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)**

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

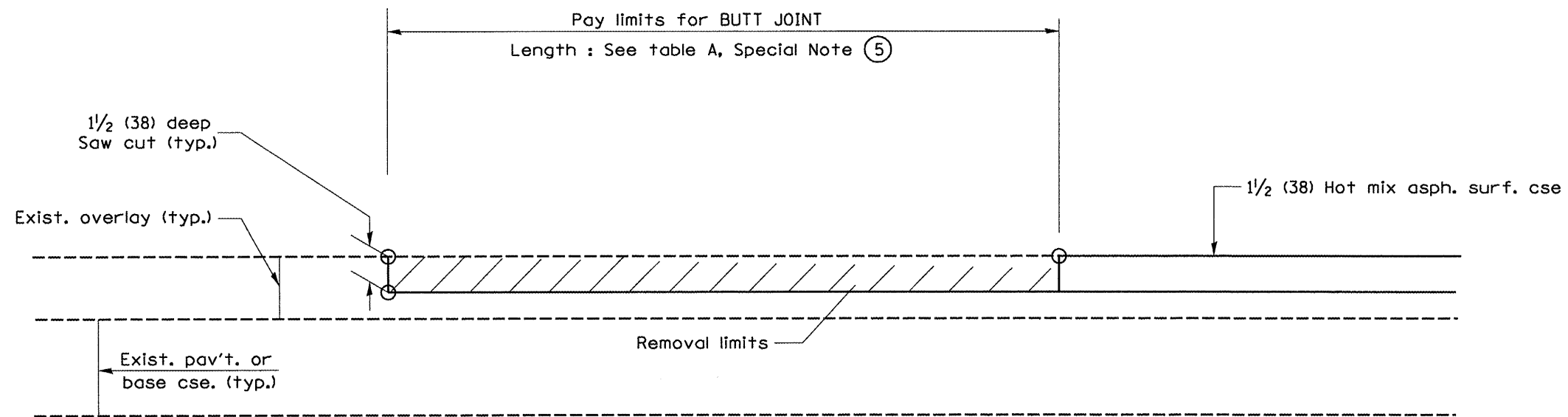
SHT. 1 OF 3  
CADD STD. 406101-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	72-1RS-2/2,3,4RS-1	PEORIA	19	16

CONTRACT NO. 68613  
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.

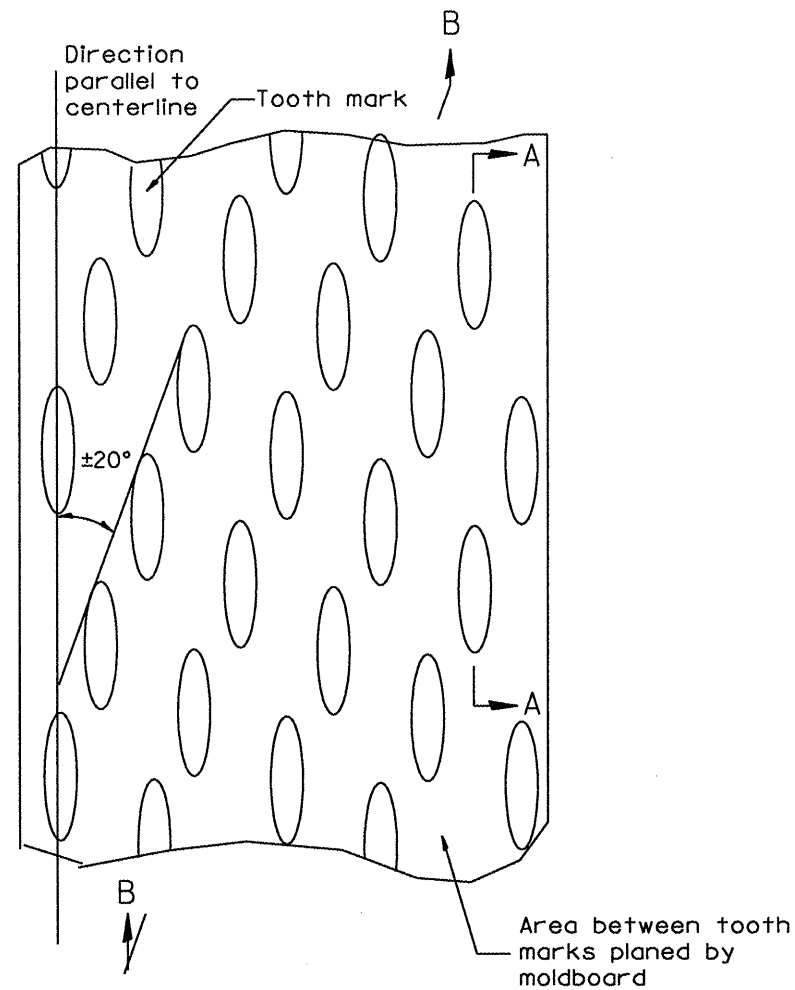

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3  
CADD STD. 406101-D4

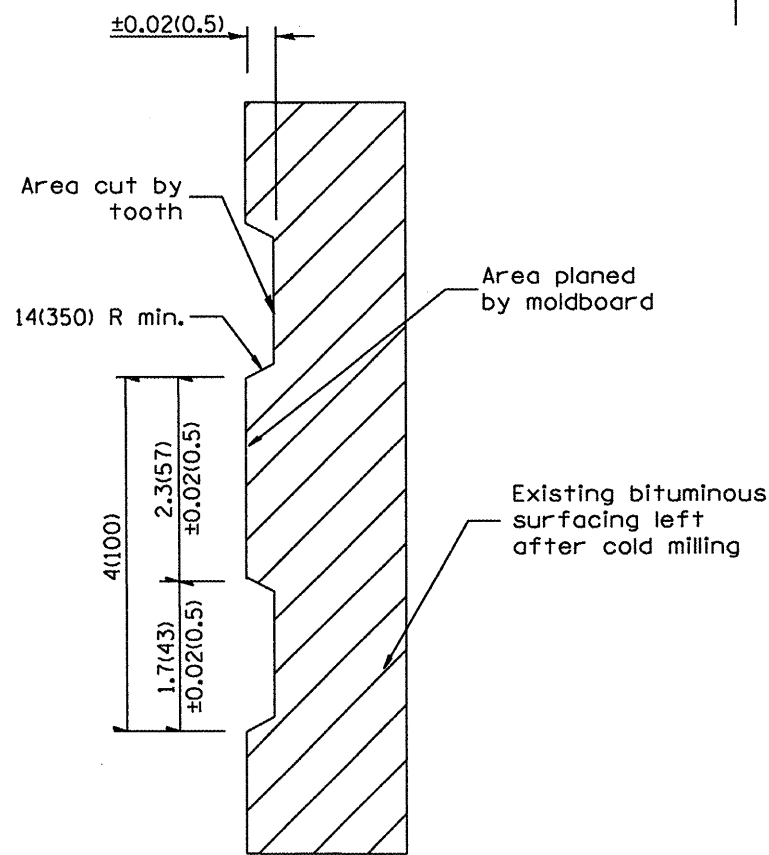
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	72-11R5-21/2,3,41R5-1	PEORIA	19	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68613	



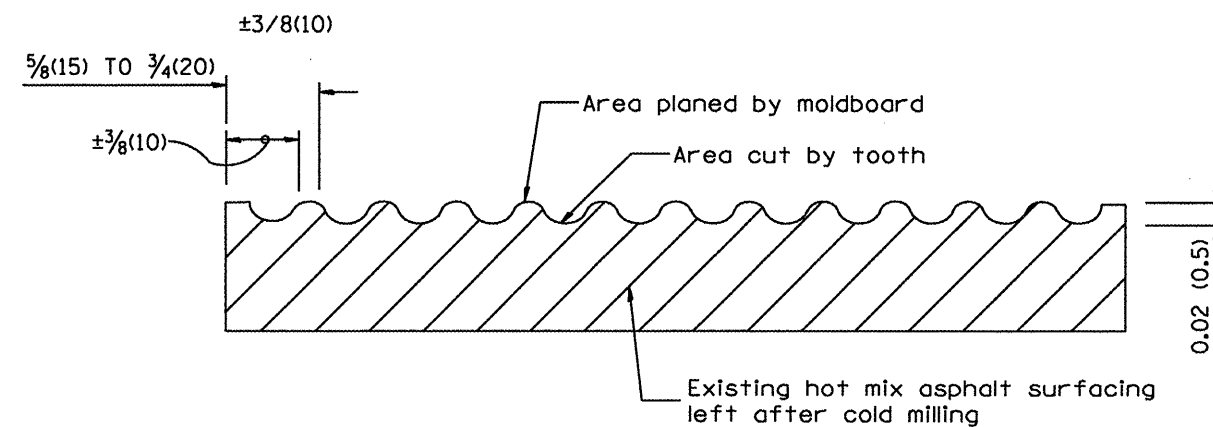
PLAN

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.

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. 440001-04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	72-1RS-2H2,3,4RS-1	PEORIA	19	19
CONTRACT NO. 68613				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				