DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

PROPOSED HIGHWAY PLANS

FAI ROUTE 57 & 74

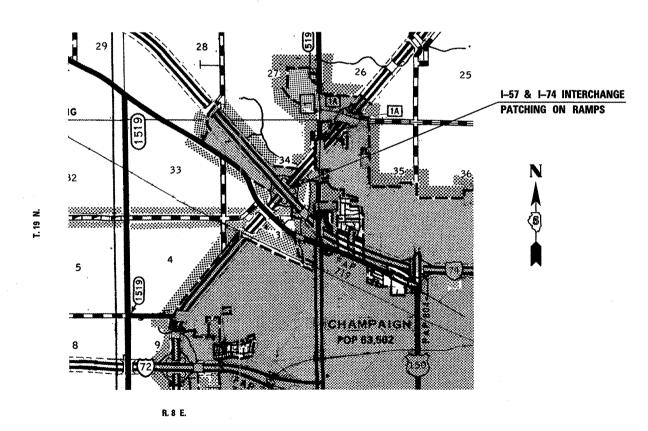
C-95-013-11

PATCHING ON THE RAMPS AT THE I-57 & I-74 INTERCHANGE

STATE OF ILLINOIS

SECTION 10(5-1-RS-1,14-1,6)I

CHAMPAIGN COUNTY

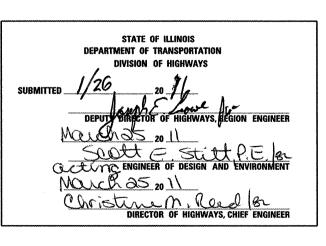


GROSS & NET LENGTH = 12,681.52 FT. = 2.402 MILE

10(5-1-RS-1,14-1,6)1 CHAMPAIGN 15 1 ILLINOIS CONTRACT NO. 70916

D-95-013-11





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CURRENT ADT (2010)

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FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 3

RAMP I-AC = 2,150RAMP I-DB = 2,000

RAMP I - CB = 550

RAMP I-AD = 5.200

RAMP I-CA = 2.850

RAMP I - BD = 1.750

RAMP I-DA = 4,600RAMP I-BC = 650

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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER KEVIN TRAPP

PROJECT MANAGER JEFF SHERER PROJECT DESIGNER RANDY AUSTIN

PHONE: 217-465-4181 CONTRACT NO. 70916

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	GENERAL NOTES
2	LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	EXISTING TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES
6	RAMP IDENTIFICATION MAP
7-13	RAMP DETOUR SIGNING
14	TRAFFIC CONTROL FOR RAMPS
15	PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS

GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-442B -- PATCHING SCHEDULES

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

NO COMMITMENTS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS / GENERAL NOTES					SECTION
	74	10(5-1-RS-1,14			
SCALE: N/A	SHEET NO. 1 OF 1	SHEETS	STA. N/A TO STA. N/A		TILLI

CHAMPAIGN 15 2

HIGHWAY STANDARDS

	STANDARD NUMBER	NAME OF STANDARD
	000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	001001-02	AREAS OF REINFORCEMENT BARS
٠.	001006	DECIMAL OF AND INCH AND OF A FOOT
	420001-07	PAVEMENT JOINTS
	420701-02	PAVEMENT FABRIC
	442001-04	CLASS A PATCHES
	701901-01	TRAFFIC CONTROL DEVICES
	780001-02	TYPICAL PAVEMENT MARKINGS
	701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS 245 MPH

LOCATION OF WORK:

FAI-57 & FAI 74 INTERCHANGE CHAMPAIGN CO.

RURAL-MULTILANE

100% STATE 0005

CONSTRUCTION TYPE CODE:

CODE NO	ITEM		UNIT	QUANTITY
44200614	CLASS A PATCHES, TYPE IV, 13 INCH		SQ YD	3,938.0
44213000	PATCHING REINFORCEMENT		SQ YD	3,938.0
44213200	SAW CUTS		FOOT	3,175.0
44213204	TIE BARS 3/4"		EACH	1,108.0
67100100	MOBILIZATION		L SUM	1.0
* 78008210	POLYUREA PAVEMENT MARKING TYPE #-LINE 4"		FOOT	4,430.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	*	EACH State S	32.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	A A Section 1	EACH	32.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)		LSUM	1.0
X7015005	CHANGEABLE MESSAGE SIGN		CAL DA	52.0
Z0016702	DETOUR SIGNING		L SUM	1.0
Z0026346	NIGHTTIME WORK ZONE LIGHTING		L SUM	1.0
* ~ ~ ~ ~	•			

^{*} SPECIALTY ITEM

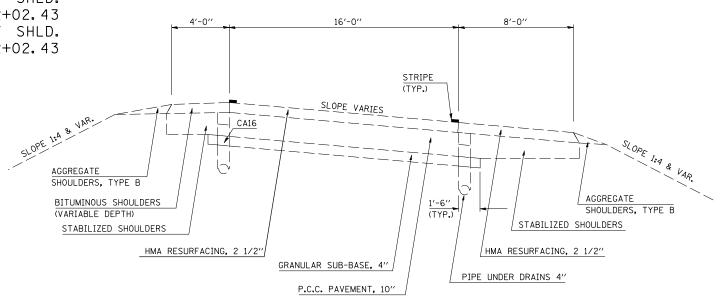
FILE NAME :	USER NAME = bucklesjj	DESIGNED - RLA	REVISED -			A.I. SECTION	COUNTY TOTAL SHEET
o:\pw_work\pwidot\bucklesjj\d0253732\057	0916-sht-S00.dgn	DRAWN - RLA	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	M1E.	CHAMPATON 15 3
	PLOT SCALE = 40.0000 '/ IN.	CHECKED - JMS	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 70916
<u> </u>	PLOT DATE : 1/26/2011	DATE - 1/19/2011	REVISED -		SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A		PROJECT 140. 10318

LOOP I-BD 8' SHLD.
41+87.17 TO 50+00
LOOP I-CB 8' SHLD.
64+00 TO 70+00
LOOP I-AC 8' SHLD.
1+87.17 TO 10+00
LOOP I-DA 8' SHLD.
23+00 TO 32+13.46
LOOP I-CB 4' SHLD.
61+87.17 TO 72+13.46
LOOP I-DA 4' SHLD.
21+87.17 TO 32.13.46

RAMP I-CA 4' SHLD.
206+62.40 TO 222+79.87
RAMP I-BC 4' SHLD.
166+62.40 TO 181+37.36
RAMP I-DB 4' SHLD.
132+00 TO 142+78.87
LOOP I-BD 4' SHLD.
41+87.17 TO 52+02.43
LOOP I-AC 4' SHLD.
1+87.17 TO 12+02.43

EXISTING TYPICAL CROSS SECTION

RAMPS AT I-57/I-74
ALL RAMPS EXCEPT RAMP I-AD

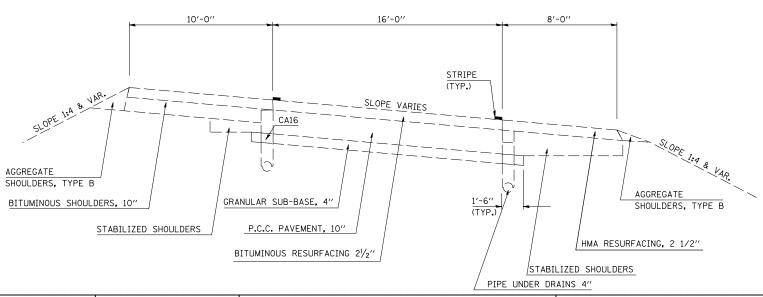


EXISTING TYPICAL CROSS SECTION

RAMPS AT I-57/I-74
RAMP I-AD

STATION 87+55.00 <u>TO</u>

STATION 100+40.00



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c:\pw_work\pwidot\bucklesjj\d0253732\D57	0916-sht-typical.dgn	DRAWN - RLA	REVISED -	STATE OF ILLINOIS		EXISTING TYPICAL CROSS SECTION		74	10(5-1-RS-1,14-1,6)I	CHAMPAIGN	15 4
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					1010 1 110 1,11 1,071	CONTRAC	
	PLOT DATE = 1/26/2011	DATE - 01-06-11	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT	

SCHEDULE OF QUANTITIES

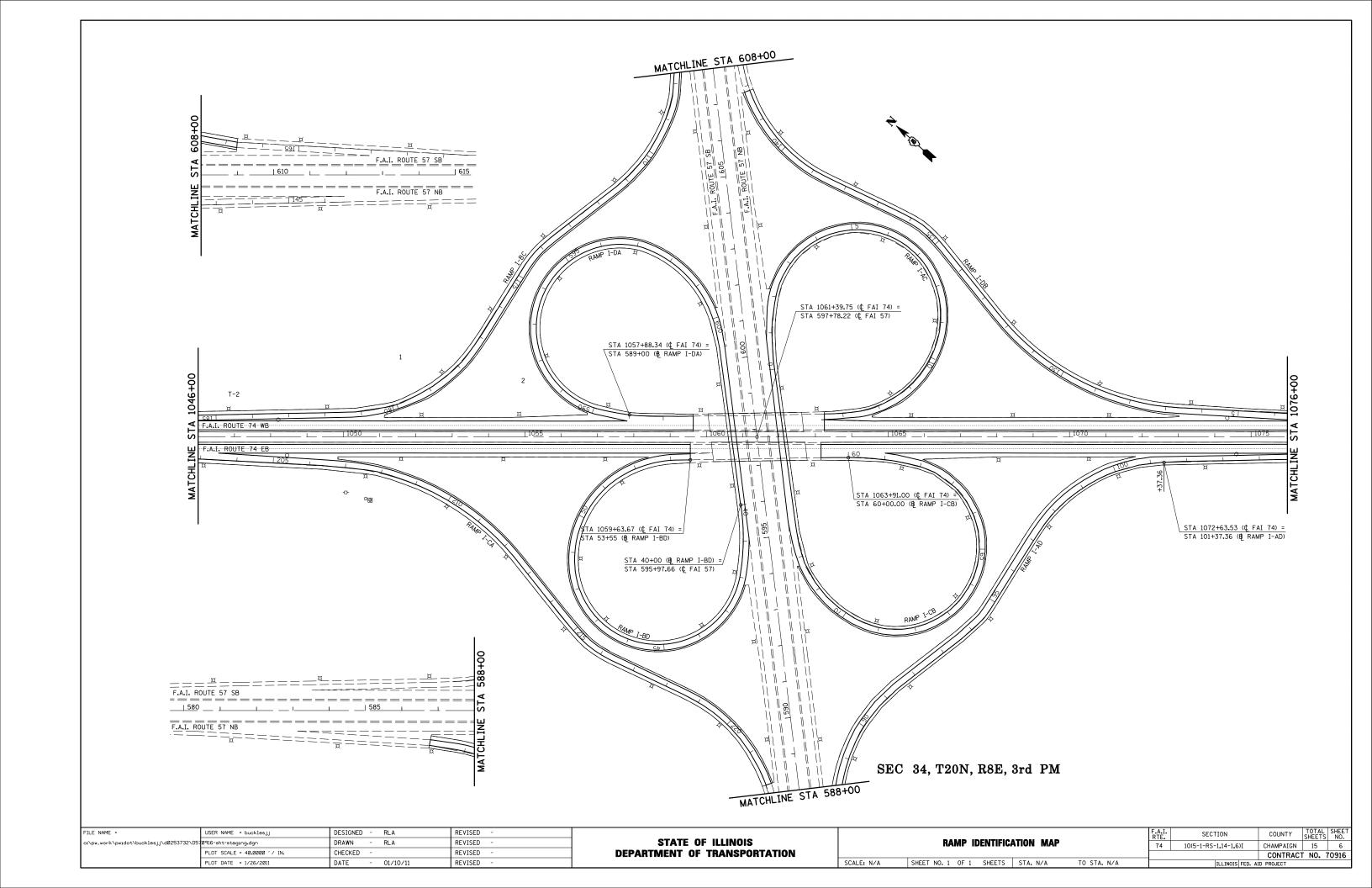
RAMP	DIRECTION	LANE	LENGTH	WIDTH	TYPE IV	SAWCUTS	TIE BARS	PATCHING	RRPM'S	RRPM
								REINFORCEMENT		REMOVA
							3/4"			
					44200614	44213200	44213204	44213000	78100100	7830020
			(FT)	(FT)	(SQ YD)	(FT)	(EACH)	(SQ YD)	(EACH)	(EACH)
I-DA	174 WB-157 SB	RAMP	100	16	177.8	164.0	50.0	177.8	3.0	3.0
I-DB	174 WB-157 NB	RAMP	180	16	320.0	244.0	90.0	320.0	8.0	8.0
I-BD	157 SB-174 EB	RAMP	240	16	426.7	304.0	120.0	426.7	4.0	4.0
I-BD	157 SB-174 EB	RAMP	160	16	284.4	224.0	80.0	284.4		
I-BD	157 SB-174 EB	RAMP	180	16	320.0	244.0	90.0	320.0		
I-BC	157 SB-174 WB	RAMP	40	16	71.1	104.0	20.0	71.1	1.0	1.0
I-AC	157 NB-174 WB	RAMP	145	16	257.8	209.0	73.0	257.8	4.0	4.0
I-AC	157 NB-174 WB	RAMP	40	16	71.1	104.0	20.0	71.1		
I-AC	157 NB-174 WB	RAMP 70		16	124.4	134.0	35.0	124.4		
I-AC	157 NB-174 WB	RAMP	100	16	177.8	164.0	50.0	177.8		
I-AC	157 NB-174 WB	RAMP	50	16	88.9	114.0	25.0	88.9		
I-CB	174 EB-157 NB	RAMP	100	16	177.8	164.0	50.0	177.8	3.0	3.0
I-CA	174 EB-157 SB	RAMP	580	16	1031.1	644.0	290.0	1031.1	9.0	9.0
I-CA	174 EB-157 SB	RAMP	30	16	53.3	94.0	15.0	53.3		
I-CA	174 EB-157 SB	RAMP	200	16	355.6	264.0	100.0	355.6		
		S	UB TOTAL	LS	3937.8	3175.0	1108.0	3937.8	32.0	32.0
			USE		3938.0	3175.0	1108.0	3938.0	32.0	32.0

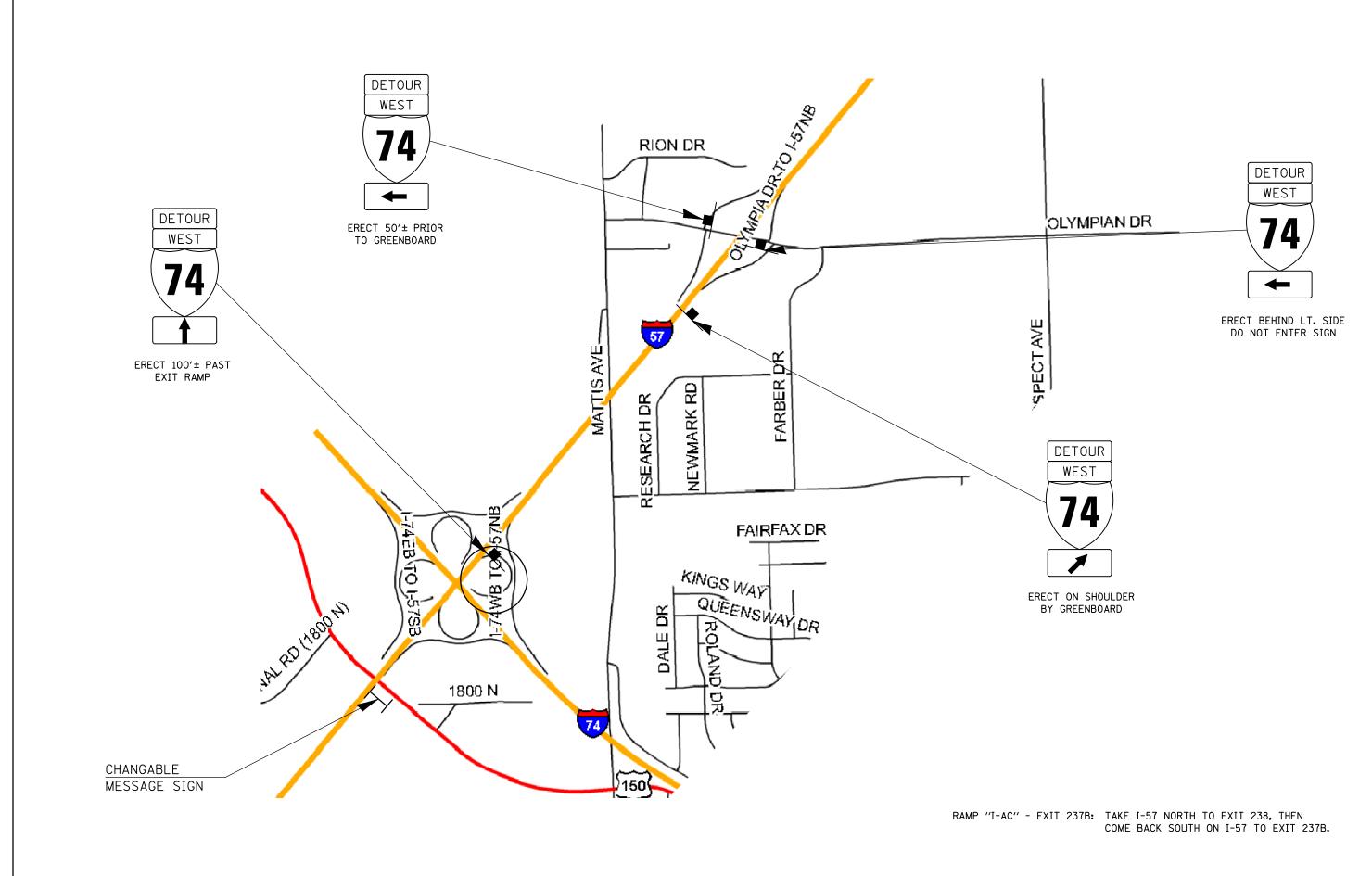
78008210 - POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"		
RAMP		FEET
I-DA = I-74 WB - I-57 SB		200.0
I-DB = I-74 WB - I-57 NB		360.0
I-BD = I-57 SB - I-74 EB		1160.0
I-BC = I-57 SB - I-74 WB		80.0
I-AC = I-57 NB - I-74 WB		810.0
I-CB = I-74 EB - I-57 NB		200.0
I-CA = I-74 EB - I-57 SB		1620.0
	TOTAL	4430.0

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		PLOT SCALE = 40.0000 '/ IN.	CHECKED -	JMS	REVISED -
PLOT DATE = 1/26/2011 DATE - 01/10/11 REVISED -		PLOT DATE = 1/26/2011	DATE -	01/10/11	REVISED -

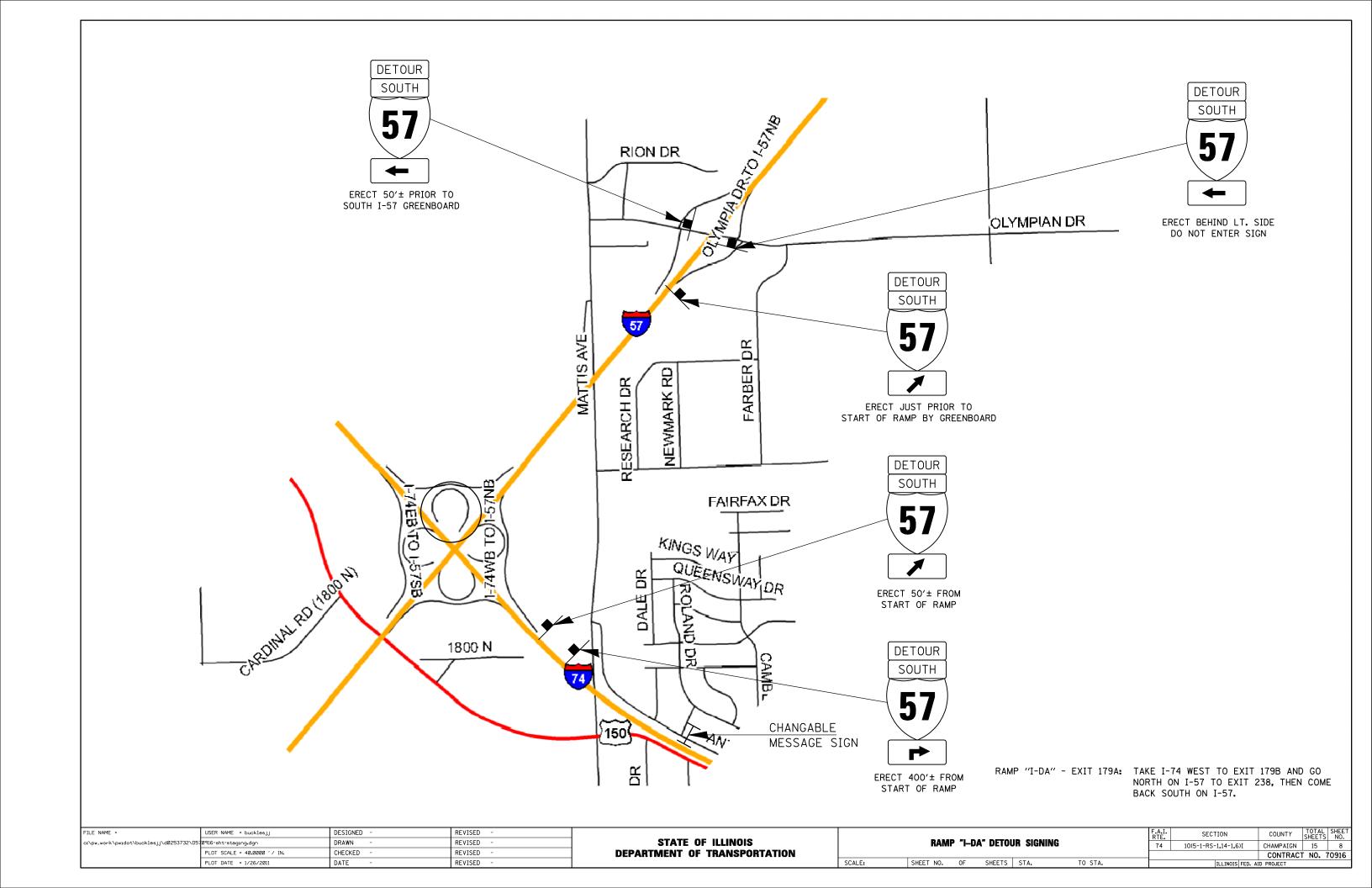
STATE	OF	ILLINOIS
DEPARTMENT (OF '	TRANSPORTATION

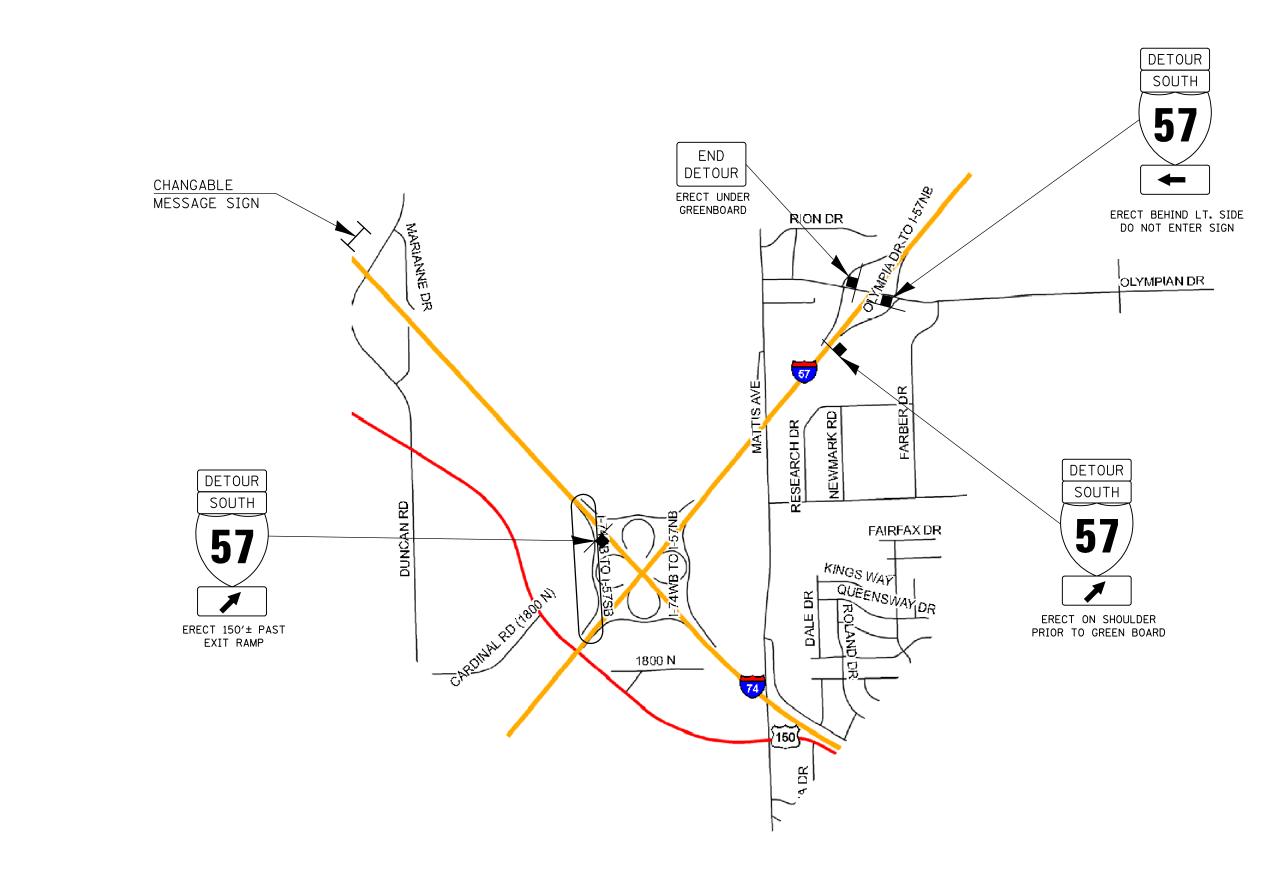
						F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1	SCHEDULE OF QUANTITIES					74	10(5-1-RS-1,14-1,6)I	CHAMPAIGN	15	5	
						CONTRACT	「 NO. ⁻	70916			
	SCALE: N/A	SHEET NO. 1 OF 1 S	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT					





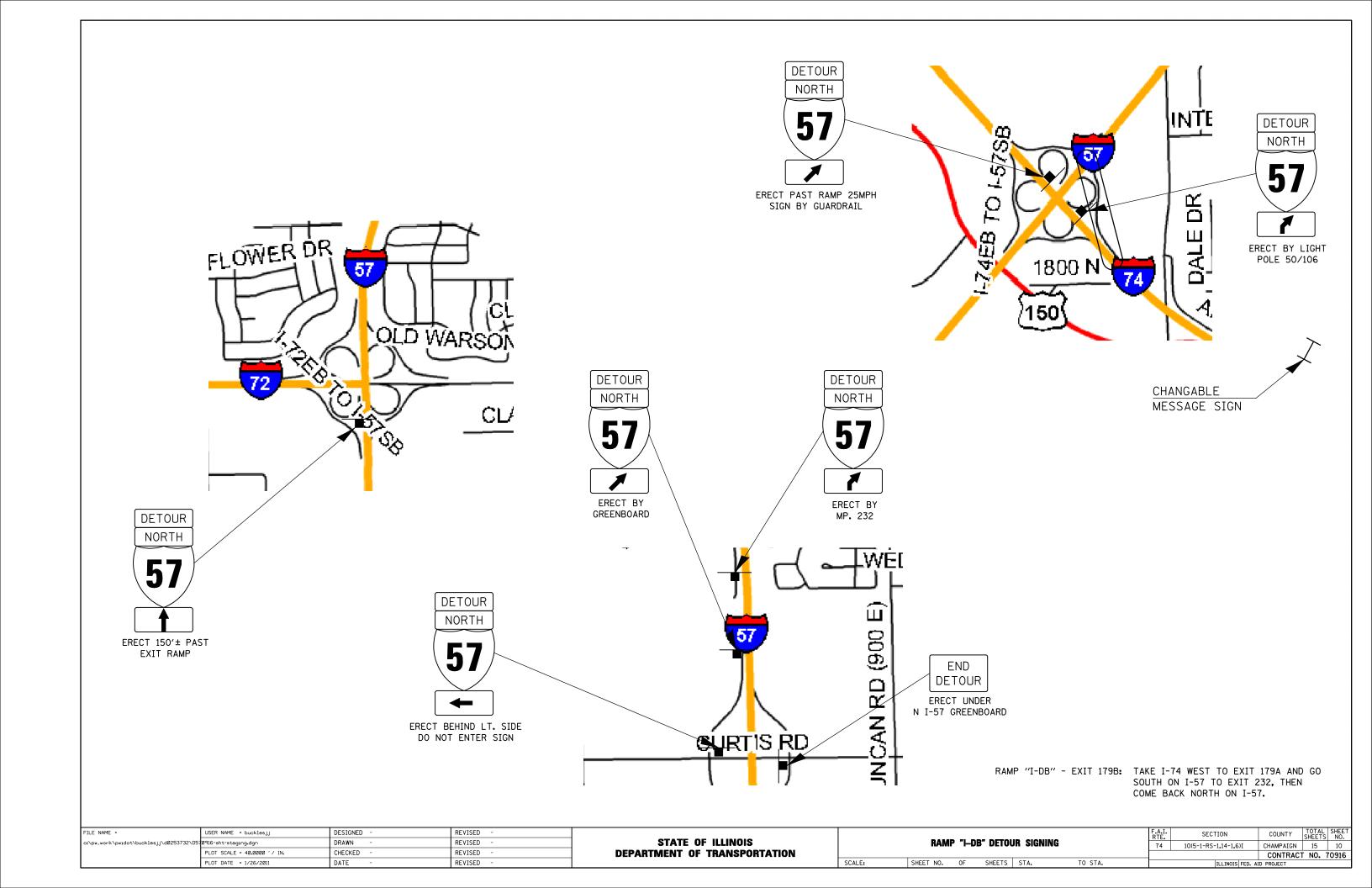
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c:\pw_work\pwidot\bucklesjj\dØ253732\D5	0916-sht-staging.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		RAMI	IP "I—AC"	" DETOU	JR SIGNING		74	10(5-1-RS-1.14-1.6)I	CHAMPAIGN	15	7
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								· · ·	CONTRAC	2T NO. 7	0916
	PLOT DATE = 1/26/2011	DATE -	REVISED -		SCALE:	SHEET NO.	0F	SHEETS	STA.	TO STA.		ILLINOIS FED.	ID PROJECT		

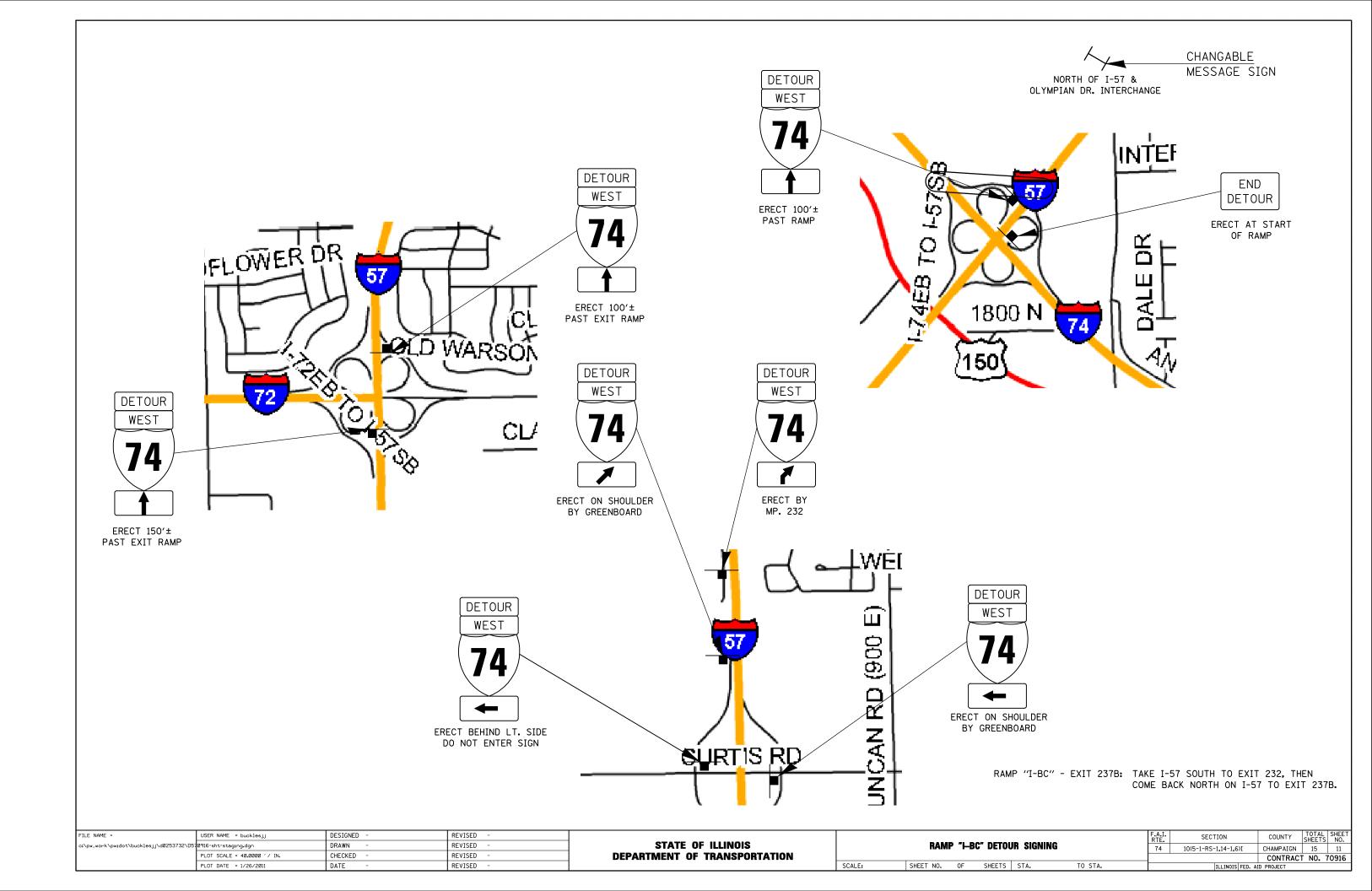


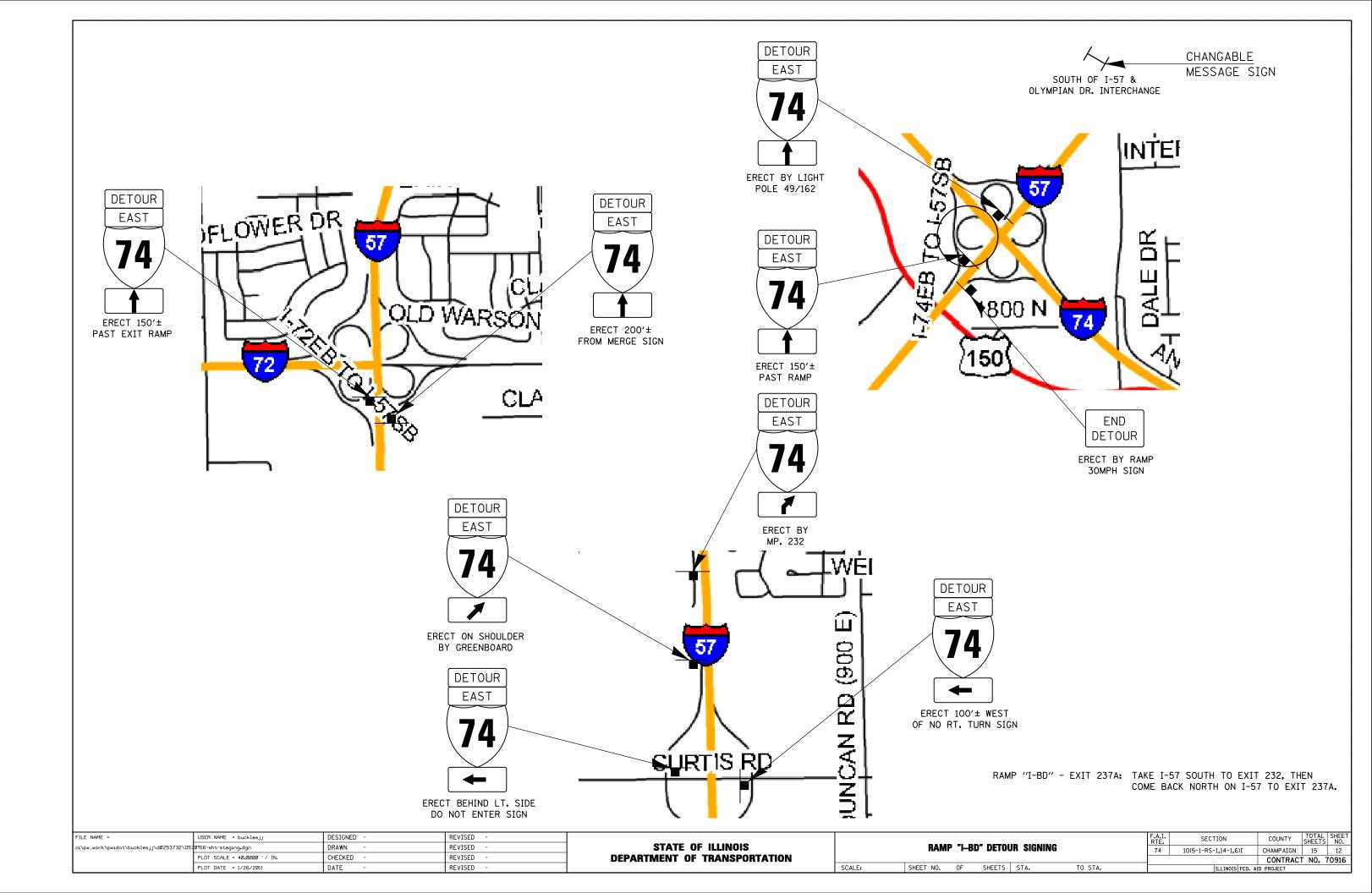


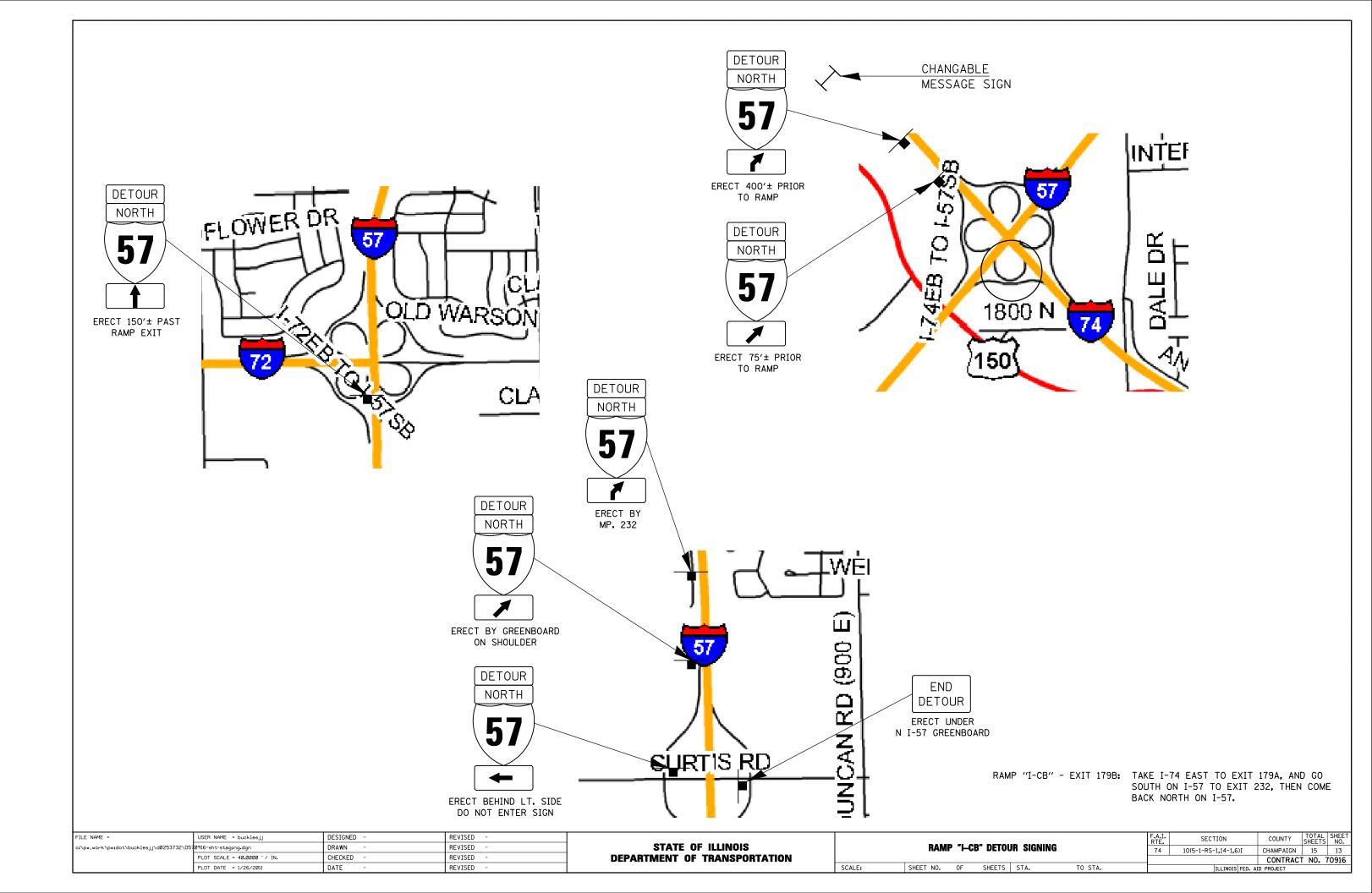
RAMP "I-CA" - EXIT 179A: TAKE I-74 EAST TO EXIT 179B AND GO NORTH ON I-57 TO EXIT 238, THEN COME BACK SOUTH ON I-57.

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -					RTF.	SECTION	COUNTY	SHEETS NO.
c:\pw_work\pwidot\bucklesJJ\d0253732\D57	0916-sht-staging.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		RAMP "I—CA" DETOUR SIGNING		74	10(5-1-RS-1.14-1.6)I	CHAMPAIGN	15 9
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 70916		
	PLOT DATE = 1/26/2011	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT	

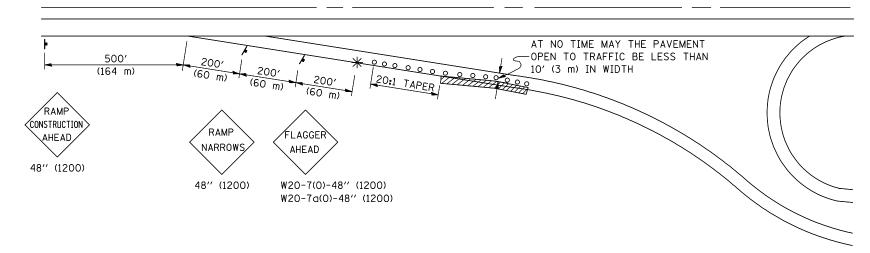








APPLICATION NO. 1 DAY OPERATION ONLY PARTIAL RAMP CLOSURE



GENERAL NOTES

CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.

WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.

ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

APPLICATION NO. 2 RAMP CLOSURE

SYMBOLS

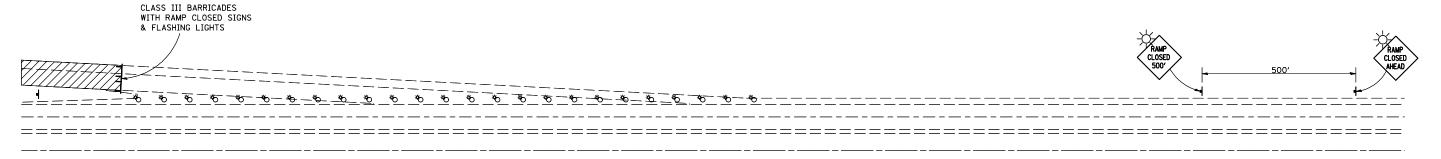
- o (APPLICATION NO. 1) TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- ★ (APPLICATION NO. 2) TYPE I OR II BARRICADES OR DRUMS @ 25' (7.5 m) CTS. W/STEADY BURNING LIGHTS
- * (APPLICATION NO. 1) FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- ▶ SIGN ON PORTABLE OR PERMANENT SUPPORT

WORK AREA

TYPICAL APPLICATIONS

PAVEMENT PATCHING PIPE UNDERDRAINS HMA RESURFACING

Traffic Control for all ramps shall be in accordance with the appropriate application of plan detail TRAFFIC CONTROL FOR RAMPS and will not be paid for separately, but shall be included in the contract lump sum prices for Traffic Control and Protection, (Special).



GENERAL NOTES

STEADY BURN LIGHTS ARE NOT REQUIRED FOR DAYTIME OPERATIONS.

CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER AT 217-465-4181, ONE WEEK PRIOR TO CLOSING THE RAMP.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 70103710

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED - 11/06				F.	.a.I.	SECTION	COUNTY	TOTAL SHEET		
c:\pw_work\pwidot\bucklesjj\dØ253732\D57	0916-sht-details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	TRAFFIC CONTROL FOR RAMPS			74 10(5-1-	-RS-1. 14-1.6)I	CHAMPATON	15 14		
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT NO. 70619			
	PLOT DATE = 1/26/2011	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.		ED DOAD DIST N					

