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STANDARDS

- | | |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 442001-04 | CLASS A PATCHES |
| 701101-04 | OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY |
| 701401-08 | LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701411-08 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH |
| 701426-06 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH |
| 701428 | TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 701400-07 | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PROPOSED
HIGHWAY PLANS**

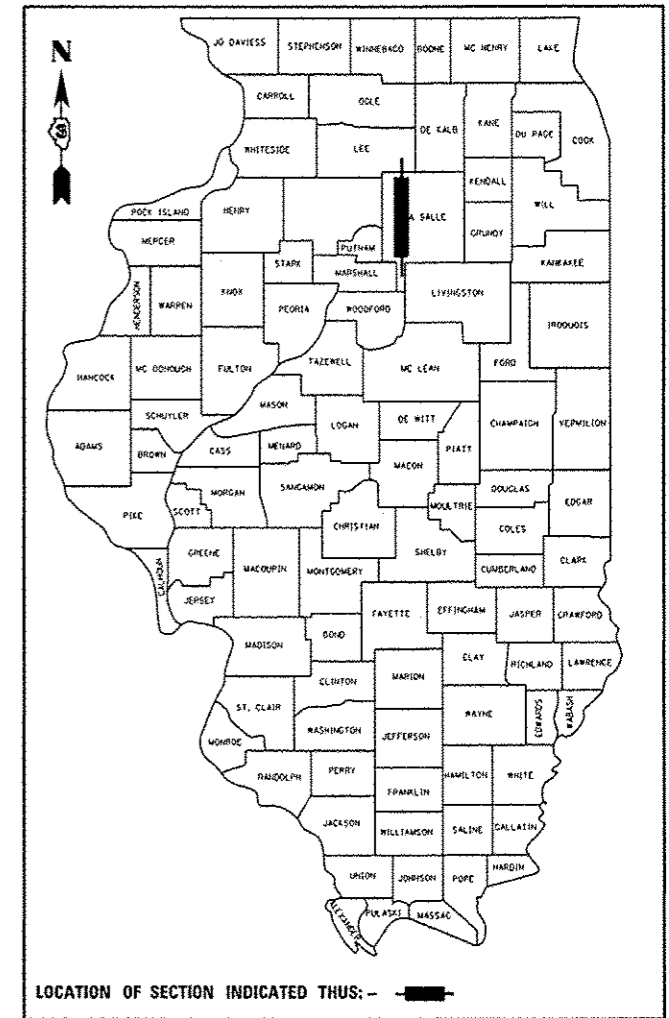
**FAI ROUTE 39 (I-39)
SECTION D3 PATCHING 2015-1**

**CRC PAVEMENT PATCHING
LASALLE COUNTY**

C-93-094-14

F.A.I. R.T.E.	SECTION #	COUNTY	TOTAL SHEETS	SHEET NO.
39	*	LASALLE	11	1
		ILLINOIS	CONTRACT NO. 66D72	
*D3		PATCHING 2015-1		

D-93-002-14



FUNCTIONAL CLASSIFICATION
RURAL - INTERSTATE
F.A.I. ROUTE 39 (I-39)
2013 ADT = 18800
P.V = 65.29% M.U. = 29.26% S.U. = 5.45%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 3 2014
Paul Coates P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

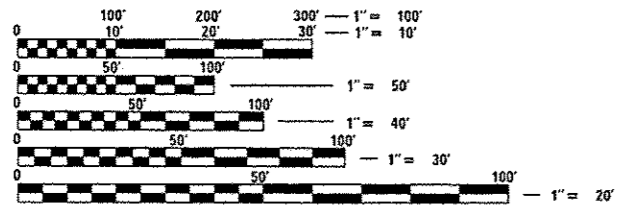
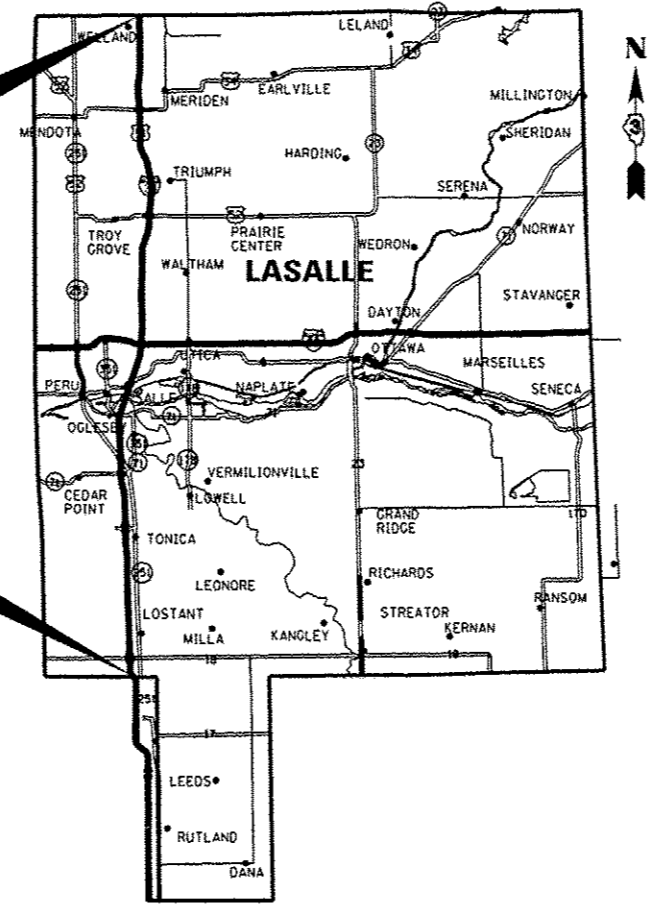
May 9 2014
John D. Baranzelli P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2014
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

**PROJECT ENDS
LEE COUNTY LINE
(M.P. 77.76)**

**PROJECT BEGINS
MARSHALL COUNTY LINE
(M.P. 40.24)**



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: JOE KANNEL P.E.
UNIT CHIEF: RON WOODSHANK
TOWNSHIP: VARIOUS
CONTRACT NO. 66D72**

LOCATION MAP
NOT TO SCALE
GROSS LENGTH = 198106 FT. = 37.52 MI.
NET LENGTH = 844 FT. = 0.16 MI

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

COMMITMENTS

DATE: 4-3-14

PREPARED BY: [Signature]
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

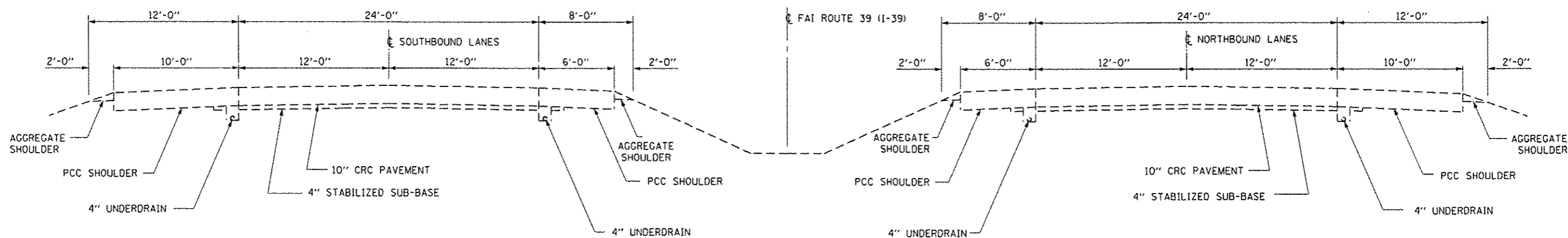
[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME :	USER NAME : ruidpr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\puidot\reidpr\0388912\03860	2-sh-t-details.dgn	DRAWN -	REVISED -			39	*	LASALLE	11	2	
PLOT SCALE : 5000.0000 1 / in.	CHECKED - BON WOODSHANK	REVISIED -	REVISED -			*03 PAVEMENT PATCHING 2015-1 CONTRACT NO. 66D72					
PLOT DATE : 4/2/2014	DATE -	REVISIED -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	[ILLINOIS]		

CONSTR. CODE
100% STATE
ROADWAY
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL	URBAN
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	455	399	56
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	176	128	48
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	492	252	240
44213000	PATCH REINFORCEMENT	SQ YD	1123	779	344
44213200	SAW CUTS	FOOT	5288	4004	1284
44213204	TIE BARS 3/4"	EACH	180	92	88
67100100	MOBILIZATION	L SUM	1	0.7	0.3
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	36	25	11
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	38	27	11
* 78009004	MODIFIED URETHANE PAVEMENT MARKING LINE 4"	FOOT	844	586	258
* 78009006	MODIFIED URETHANE PAVEMENT MARKING LINE 6"	FOOT	720	560	160
X0326458	PAVEMENT REPLACEMENT, SPECIAL	SQ YD	32	16	16
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	32	16	16
X7010410	SPEED DISPLAY TRAILER	CAL MO	1.3	0.9	0.4
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1	0.7	0.3
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	29	13

16 * SPECIALITY ITEM



TYPICAL SECTION
FAI ROUTE 39 (I-39) - MAINLINE

FILE NAME = c:\pwork\p\dot\rdpr\0380912\03660	USER NAME = rdpr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.I. RTE. 39	SECTION *	COUNTY LASALLE	TOTAL SHEETS 11	SHEET NO. 4
	2-ah1-details.dgn	DRAWN -	REVISED -			*03 PAVEMENT PATCHING 2015-1	CONTRACT NO. 66D72			
	PLT SCALE = 5000.0000 1/4" = 1'	CHECKED - RON WOODSHANK	REVISED -			ILLINOIS				
	PLT DATE = 4/2/2014	DATE -	REVISED -			SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____				

SCHEDULES
NORTHBOUND RURAL MAINLINE PATCHING

LOCATION MILE POST	PASS LANE FOOT	DRIVE LANE FOOT	PASSING LANE						DRIVING LANE					
			CLASS A 10"			PATCH REINF. SQ YD	SAW CUTS FOOT	TIE BARS EACH	CLASS A 10"			PATCH REINF. SQ YD	SAW CUTS FOOT	TIE BARS EACH
			TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD				TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD			
53.50	10		13			13	68							
54.20	10		13			13	68							
56.90		12							16		16	72		
58.70	6		8			8	60							
65.90		12							16		16	72		
65.91		6							8		8	60		
65.92		6							8		8	60		
67.11		25								33	33	98	12	
67.12	10	25	13			13	68			33	33	98	12	
67.13		12							16		16	72		
67.14		20								27	27	88	10	
67.15		12							16		16	72		
67.16	10		13			13	68							
67.30		6							8		8	60		
67.31		6							8		8	60		
67.32		12							16		16	72		
68.60		6							8		8	60		
68.61		6							8		8	60		
68.62		12							16		16	72		
68.63		6							8		8	60		
69.60		8							11		11	64		
69.61		6							8		8	60		
69.62	6	6	8			8	60		8		8	60		
69.63		6							8		8	60		
69.64		6							8		8	60		
69.65		6							8		8	60		
69.71		6							8		8	60		
69.72		25								33	33	98	12	
69.73		8							11		11	64		
71.00		6							8		8	60		
71.01		6							8		8	60		
71.02		6							8		8	60		
75.60	8	8	11			11	64		11		11	64		
75.61		12								16	16	72		
75.63		12								16	16	72		
75.70		25								33	33	98	12	
75.71		25								33	33	98	12	
NB SUBTOTALS			79			79	456		161	128	192	481	2306	70

NORTHBOUND TOTALS	CLASS A 10"			PATCH REINF. SQ YD	SAW CUTS FOOT	TIE BARS EACH
	TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD			
		240	128	192	560	2762

SCHEDULES
RURAL SOUTHBOUND MAINLINE PATCHING

LOCATION	PASS LANE	DRIVE LANE	PASSING LANE						DRIVING LANE					
			CLASS A 10"			PATCH REINF.	SAW CUTS	TIE BARS	CLASS A 10"			PATCH REINF.	SAW CUTS	TIE BARS
MILE POST	FOOT	FOOT	TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD				SQ YD	FOOT	EACH			
73.81		45									60	60	138	22
71.04		6							8			8	60	
71.01		6							8			8	60	
70.82		6							8			8	60	
70.81		6							8			8	60	
68.71		6							8			8	60	
68.70		6							8			8	60	
68.69		6							8			8	60	
68.68		6							8			8	60	
68.44		6							8			8	60	
68.43		6							8			8	60	
68.42		6							8			8	60	
63.71		6							8			8	60	
63.70		6							8			8	60	
63.64	10	6	13			13	68		8			8	60	
48.20	10		13			13	68							
48.10	6		8			8	60							
48.09	10		13			13	68							
SB RURAL SUBTOTALS			47			47	264		112		60	172	978	22

SCHEDULES
URBAN SOUTHBOUND MAINLINE PATCHING

LOCATION	PASS LANE	DRIVE LANE	PASSING LANE						DRIVING LANE					
			CLASS A 10"			PATCH REINF.	SAW CUTS	TIE BARS	CLASS A 10"			PATCH REINF.	SAW CUTS	TIE BARS
MILE POST	FOOT	FOOT	TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD				SQ YD	FOOT	EACH			
73.24		20									27	27	88	10
73.22		6							8			8	60	
73.20		6							8			8	60	
73.14		6							8			8	60	
73.01		35									47	47	118	17
57.43		45									60	60	138	22
54.51	6		8			8	60							
54.50		12								16		16	72	
54.49	30				40	40	108	15						
54.32	25	25			33	33	98	12			33	33	98	12
54.31		12								16		16	72	
54.29	6		8			8	60							
54.28		12								16		16	72	
54.21		6							8			8	60	
54.20		6							8			8	60	
SB URBAN SUBTOTALS			16		73	89	326	27	40	48	167	255	958	61

SOUTHBOUND TOTALS	CLASS A 10"			PATCH REINF.	SAW CUTS	TIE BARS
	TYPE II	TYPE III	TYPE IV			
	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH
	215	48	300	563	2526	110

SCHEDULE RURAL
NORTHBOUND MAINLINE
PAVEMENT MARKING

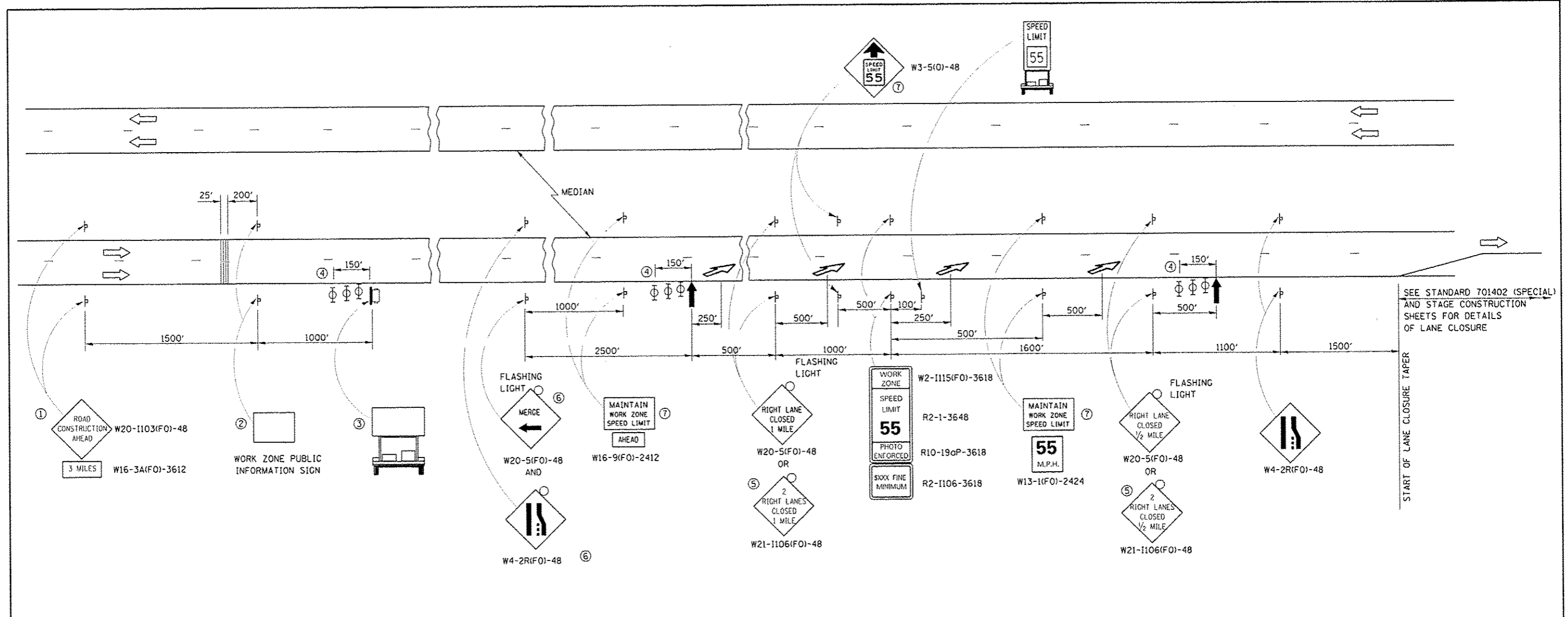
LOCATION MILE POST	MODIFIED URETHANE PAVEMENT MARKING LINE 4" FEET		MODIFIED URETHANE PAVEMENT MARKING LINE 6" FEET
	YELLOW	WHITE	WHITE
	53.50	10	
54.20	10		10
56.90		12	10
58.70	6		10
65.90		12	10
65.91		6	10
65.92		6	10
67.11		25	10
67.12	10	25	10
67.13		12	10
67.14		20	10
67.15		12	10
67.16	10		10
67.30		6	10
67.31		6	10
67.32		12	10
68.60		6	10
68.61		6	10
68.62		12	10
68.63		6	10
69.60		8	10
69.61		6	10
69.62	6	6	10
69.63		6	10
69.64		6	10
69.65		6	10
69.71		6	10
69.72		25	10
69.73		8	10
71.00		6	10
71.01		6	10
71.02		6	10
75.60	8	8	10
75.61		12	10
75.63		12	10
75.70		25	10
75.71		25	10
NB RURAL SUBTOTALS	60	361	370
NORTHBOUND TOTAL	421		370

SCHEDULE RURAL
SOUTHBOUND MAINLINE
PAVEMENT MARKING

LOCATION MILE POST	MODIFIED URETHANE PAVEMENT MARKING LINE 4" FEET		MODIFIED URETHANE PAVEMENT MARKING LINE 6" FEET
	YELLOW	WHITE	WHITE
	73.81		45
71.04		6	10
71.01		6	10
70.82		6	10
70.81		6	10
68.71		6	10
68.70		6	10
68.69		6	10
68.68		6	10
68.44		6	10
68.43		6	10
68.42		6	10
63.71		6	10
63.70		6	10
63.64	10	6	10
48.20	10		10
48.10	6		10
48.09	10		10
SB RURAL SUBTOTALS	36	129	190

SCHEDULE URBAN
SOUTHBOUND MAINLINE
PAVEMENT MARKING

LOCATION MILE POST	MODIFIED URETHANE PAVEMENT MARKING LINE 4" FEET		MODIFIED URETHANE PAVEMENT MARKING LINE 6" FEET
	YELLOW	WHITE	WHITE
	73.24		20
73.22		6	10
73.20		6	10
73.14		6	10
73.01		35	10
57.43		45	20
54.51	6		10
54.50		12	10
54.49	30		10
54.32	25	25	10
54.31		12	10
54.29	6		10
54.28		12	10
54.21		6	10
54.20		6	10
SB URBAN SUBTOTALS	67	191	160
SOUTHBOUND TOTAL	423		350



SEE STANDARD 701402 (SPECIAL) AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

START OF LANE CLOSURE TAPER

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " X MILES AHEAD"
 "LEFT LANE CLOSED" / " X MILES AHEAD"
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑦ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS. 48"

MAINTAIN WORK ZONE SPEED LIMIT 8"
36" 6"
SPEED LIMIT 6"

- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊙ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ↘ LANE DROP ARROW - SEE STANDARD 780001
- ▨ TEMPORARY RUMBLE STRIPS
- 🚚 SPEED LIMIT 45 SPEED DISPLAY TRAILER

GENERAL NOTE:

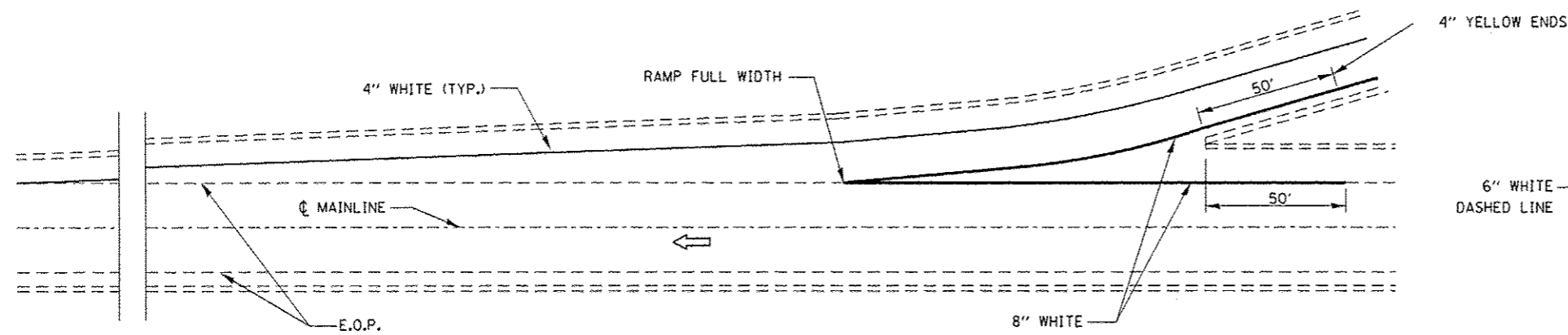
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

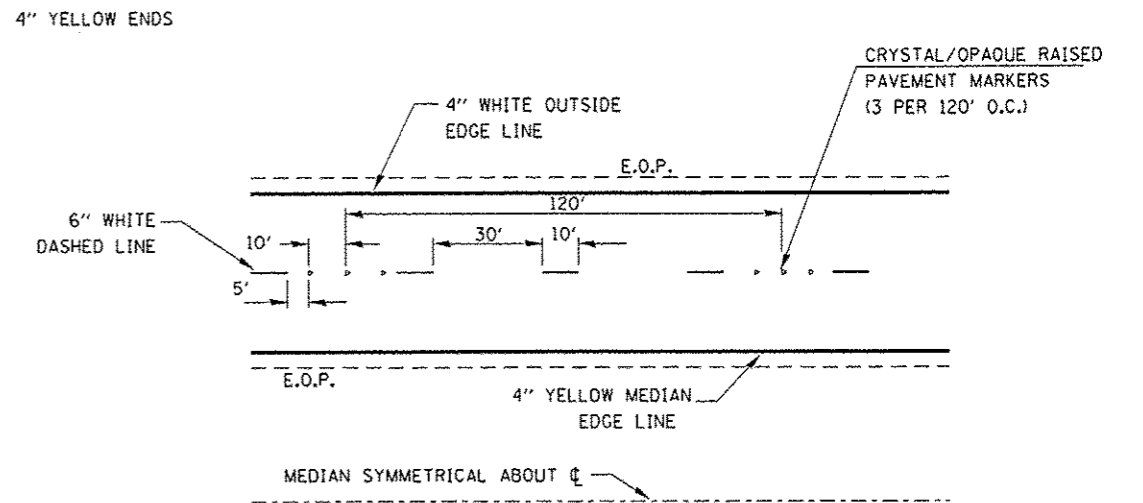
THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

FILE NAME *	USER NAME * woodshank-1	DESIGNED - RON WOODSHANK	REVISED - RW 4/30/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION STANDARD 701400 (SPECIAL) DETAILS	F.A.I. RTE. 39	SECTION *	COUNTY LASALLE	TOTAL SHEETS 11	SHEET NO. 9	
c:\pwork\pwrtdot\woodshank-1\d8389912\366072-sh-t-detailed.dgn		DRAWN - RON WOODSHANK	REVISED -			SCALE: _____	SHEET NO. 1 OF 1 SHEETS	*03 PAVEMENT PATCHING 2015-1 [ILLINOIS]		CONTRACT NO. 66D72	
PLOT SCALE = 5000/8000 1/2" = 1'		CHECKED -	REVISED -			STA. _____ TO STA. _____					
PLOT DATE = 4/30/2014		DATE -	REVISED -								

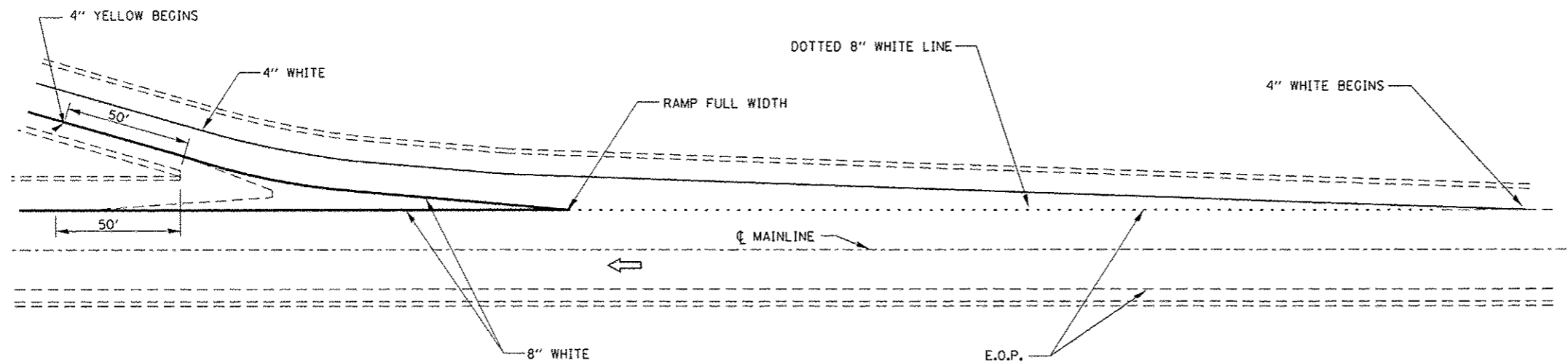


TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



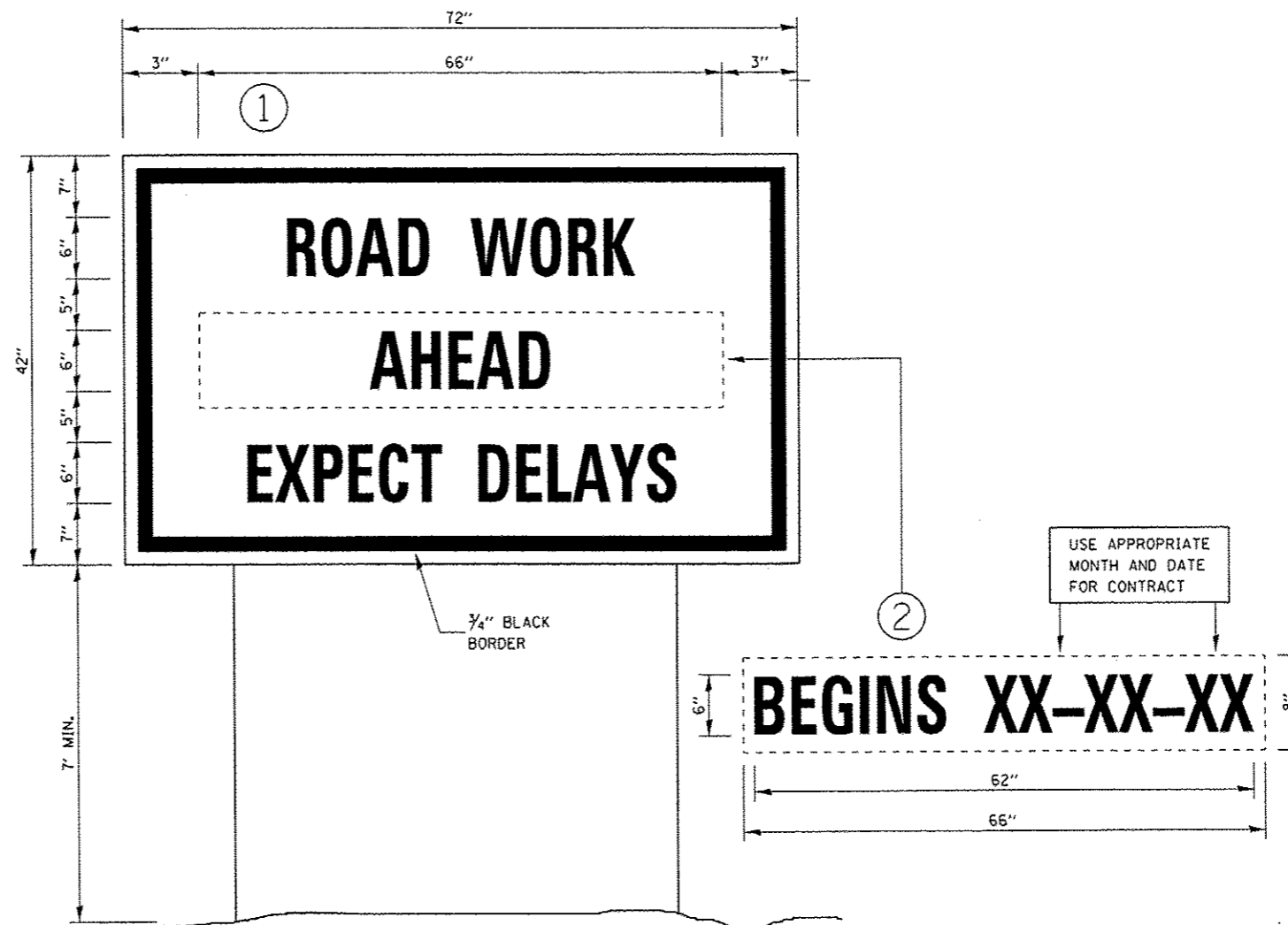
TYPICAL PAVEMENT MARKINGS

NOTE:
 WHEN PATCHING IS ADJACENT TO 8" PAVEMENT MARKING LINE
 THE 8" STRIP SHALL BE REPLACED WITH TWO 4" LINES.
 RAISED REFLECTIVE PAVEMENT MARKERS THAT FALL WITHIN
 PATCHED BOUNDARIES WILL NOT BE REPLACED.



TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS

FILE NAME : c:\pwork\pdat\raidp\03080912\0366D	USER NAME : raidp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Z:\hvt\details.dgn	DRAWN -	REVISED -			39	*	LASALLE	11	10
	PLOT SCALE : 5000.0000' / in.	CHECKED - ROL WOODSHANK	REVISED -			*03 PAVEMENT PATCHING 2015-1 CONTRACT NO. 66072				
PLOT DATE : 4/2/2014	DATE -	REVISED -	SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	[ILLINOIS]				



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER 50 FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 50 FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME : c:\p\work\p\idat\reidpr\id388912\03660\2-shr-detail1.sdg	USER NAME : reidpr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INFORMATION SIGNING	F.A.I. RTE. 39	SECTION *	COUNTY LASALLE	TOTAL SHEETS 11	SHEET NO. 11
	PLOT SCALE = 5000.0000 / 1 in.	CHECKED - BQL WOODSHANK	REVISED -			*03 PAVEMENT PATCHING 2015-1	CONTRACT NO. 66072			
	PLOT DATE = 4/2/2014	DATE -	REVISED -			SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____	ILLINOIS			