

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULES - RURAL
- 6-7. SCHEDULES - URBAN
- 8-9. CLASS B PATCHING DETAILS

STANDARDS

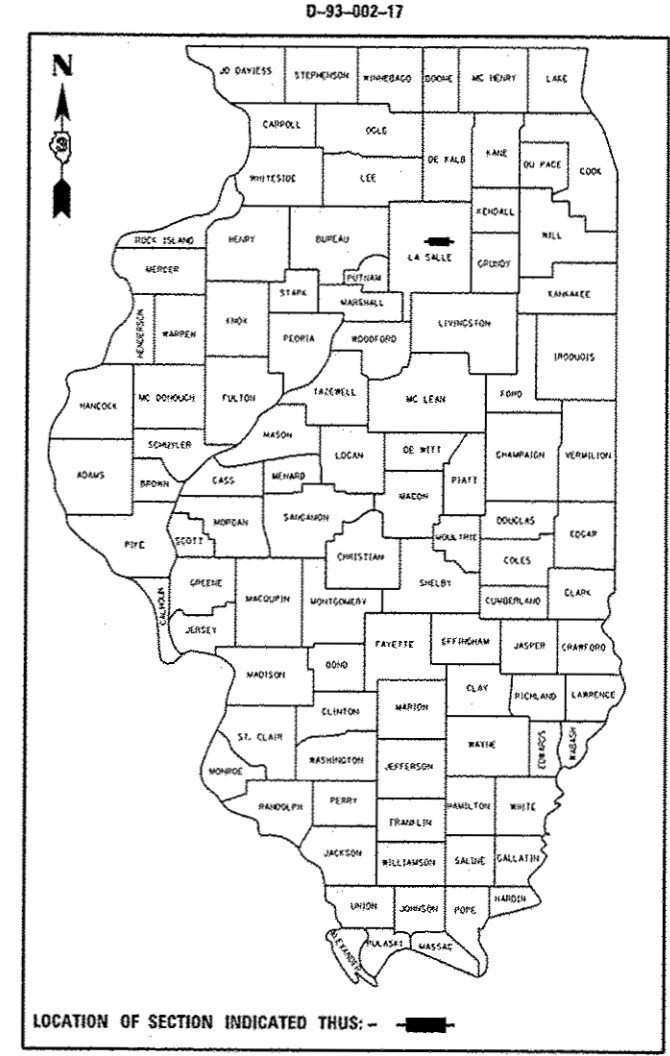
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
- 701606-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701901-06 TRAFFIC CONTROL DEVICES
- 701361-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

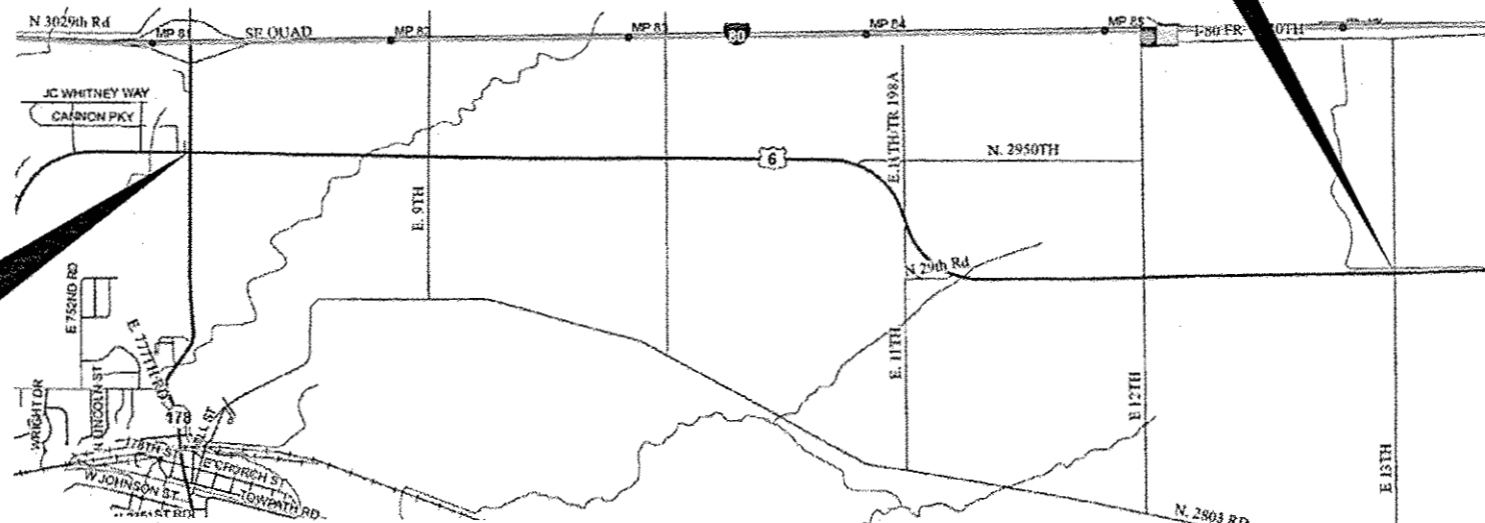
F.A.P. ROUTE 623 (US 6)
SECTION (30)PP
PAVEMENT PATCHING
LASALLE COUNTY

C-93-073-17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	130PP	LASALLE	9	1
		ILLINOIS	CONTRACT NO. 66H36	



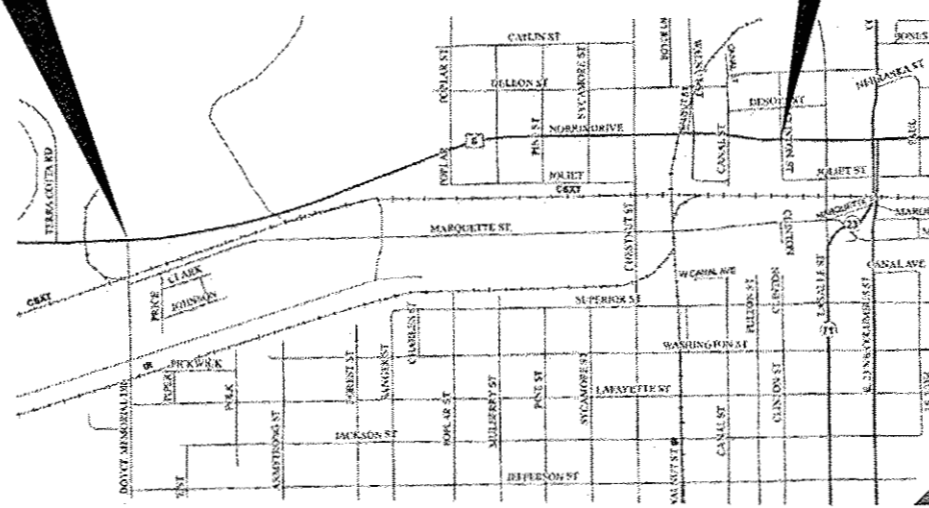
RURAL - BEGIN IMPROVEMENT
IL ROUTE 178 (UTICA)
L.M. 0.00



GROSS LENGTH = x.xx FT. = x.xxx MILE NET LENGTH = x.xx FT. = x.xxx MILE

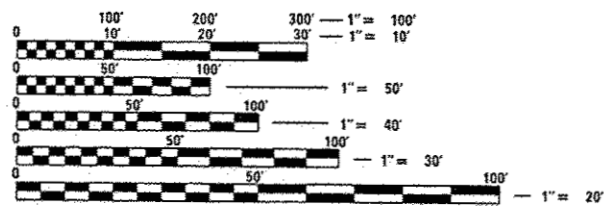
RURAL - END IMPROVEMENT
BUFFALO ROCK RD.
(E. 13th Rd.)
L.M. 5.29

URBAN - BEGIN IMPROVEMENT
BOYCE MEMORIAL DR.
L.M. 0.00



GROSS LENGTH = x.xx FT. = x.xxx MILE NET LENGTH = x.xx FT. = x.xxx MILE

URBAN - END IMPROVEMENT
CLINTON ST.
L.M. 1.11



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
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66H36

FUNCTIONAL CLASSIFICATION	
RURAL - MINOR ARTERIAL	URBAN - MINOR ARTERIAL
F.A.P. ROUTE 623 (US 6)	F.A.P. ROUTE 623 (US 6)
2015 ADT 5400	2015 ADT 10600
P.V. 84.7%	P.V. 88.9%
S.U. 9.3%	S.U. 6.6%
M.U. 6.0%	M.U. 4.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 04/06 20 17
Kevin Marshall (us)
REGIONAL ENGINEER

May 12 20 17
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 22 20 17
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

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

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.

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 FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HMA RESURFACING	112	LBS / SQ YD / IN
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THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Tom Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4-6-17

EXAMINED BY: Shane Smith
DISTRICT CONSTRUCTION ENGINEER

Michael Ashok
DISTRICT MATERIALS ENGINEER

Jim Hyslop
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FILE NAME :	USER NAME = woodshenk1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Documents\IDOT Offices\District 3\Projects\036	DRAWN Data\66H36 RW\01.dgn	REVISED -			623	(30)PP	LASALLE	9	2	
	PLOT SCALE = 100.0000' / in.	CHECKED - EP	REVISED -			CONTRACT NO. 66H36					
	PLOT DATE = 4/4/2017	DATE - 3/21/2017	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINT. 100% STATE	CONTRACT MAINT. 100% STATE
				ROADWAY	ROADWAY
				0004	0004
				RURAL	URBAN
44200050	WELDED WIRE REINFORCEMENT	SO YD	448	405	43
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SO YD	1297	847	450
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SO YD	340	324	16
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SO YD	108	81	27
44201299	DOWEL BARS 1 1/2"	EACH	3260	2180	1080
44213200	SAW CUTS	FOOT	8566	5824	2742
44213204	TIE BARS 3/4"	EACH	40	30	10
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10		10
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	84	42	42

total

12

REV

PATCHING SCHEDULE
RURAL - (IL 178 TO BUFFALO ROCK RD.) - EASTBOUND LANE

LOCATION	DRIVING LANE							
	PATCH LENGTH	CLASS B TYPE II 13"	CLASS B TYPE III 13"	CLASS B TYPE IV 13"	DOWEL BARS 1 1/2"	SAW CUTS	WELDED WIRE REINF.	TIE BARS 3/4"
LOG MILE	(FT)	SO YD	SO YD	SO YD	EACH	FOOT	SO YD	EACH
0.01	6	8			20	48		
0.08	15		20		20	66	20	
0.09	15		20		20	66	20	
0.10	6	8			20	48		
0.12	6	8			20	48		
0.20	10	13			20	56		
0.40	8	11			20	52		
0.46	6	8			20	48		
0.60	8	11			20	52		
0.80	8	11			20	52		
0.90	9	12			20	54		
0.98	6	8			20	48		
1.10	6	8			20	48		
1.14	10	13			20	56		
1.30	8	11			20	52		
1.50	15		20		20	66	20	
1.56	10	13			20	56		
1.60	6	8			20	48		
1.70	10	13			20	56		
1.80	10	13			20	56		
1.90	6	8			20	48		
1.94	6	8			20	48		
2.00	6	8			20	48		
2.06	12		16		20	60	16	
2.10	15		20		20	66	20	
2.12	15		20		20	66	20	
2.16	10	13			20	56		
2.20	6	8			20	48		
2.30	10	13			20	56		
2.40	8	11			20	52		
2.44	6	8			20	48		
2.54	6	8			20	48		
2.56	6	8			20	48		
2.58	15		20		20	66	20	
2.59	15		20		20	66	20	
2.60	12		16		20	60	16	
2.70	8	11			20	52		
2.74	6	8			20	48		
2.80	6	8			20	48		
2.94	15		20		20	66	20	
3.00	6	8			20	48		
3.02	6	8			20	48		
3.03	10	13			20	56		
3.10	20			27	20	76	27	10
3.14	6	8			20	48		
3.20	8	11			20	52		
3.30	8	11			20	52		
3.34	6	8			20	48		
3.38	6	8			20	48		
3.41	6	8			20	48		
3.50	8	11			20	52		
3.60	20			27	20	76	27	10
3.68	15		20		20	66	20	
3.70	6	8			20	48		
3.80	15		20		20	66	20	
4.40	6	8			20	48		
4.50	6	8			20	48		
4.70	6	8			20	48		
4.90	10	13			20	56		
5.10	6	8			20	48		
SUBTOTALS	547	444	232	54	1200	3254	286	20

PATCHING SCHEDULE
RURAL - (IL 178 TO BUFFALO ROCK RD.) - WESTBOUND LANE

LOCATION	DRIVING LANE							
	PATCH LENGTH	CLASS B TYPE II 13"	CLASS B TYPE III 13"	CLASS B TYPE IV 13"	DOWEL BARS 1 1/2"	SAW CUTS	WELDED WIRE REINF.	TIE BARS 3/4"
LOG MILE	(FT)	SO YD	SO YD	SO YD	EACH	FOOT	SO YD	EACH
5.10	6	8			20	48		
4.83	10	13			20	56		
4.70	6	8			20	48		
4.60	6	8			20	48		
4.50	15		20		20	66	20	
4.40	6	8			20	48		
4.20	6	8			20	48		
4.16	10	13			20	56		
4.10	10	13			20	56		
4.00	8	11			20	52		
3.60	10	13			20	56		
3.56	6	8			20	48		
3.52	8	11			20	52		
3.50	6	8			20	48		
3.40	6	8			20	48		
3.30	6	8			20	48		
3.20	6	8			20	48		
3.12	6	8			20	48		
3.10	8	11			20	52		
2.70	6	8			20	48		
2.50	6	8			20	48		
2.40	6	8			20	48		
2.30	6	8			20	48		
2.28	8	11			20	52		
2.20	6	8			20	48		
2.10	20			27	20	76	27	10
2.20	8	11			20	52		
1.90	6	8			20	48		
1.82	8	11			20	52		
1.80	6	8			20	48		
1.70	10	13			20	56		
1.62	6	8			20	48		
1.60	15		20		20	66	20	
1.56	8	11			20	52		
1.50	8	11			20	52		
1.40	6	8			20	48		
1.30	8	11			20	52		
1.20	8	11			20	52		
1.10	12		16		20	60	16	
1.06	6	8			20	48		
0.90	10	13			20	56		
0.80	8	11			20	52		
0.70	12		16		20	60	16	
0.62	8	11			20	52		
0.50	10	13			20	56		
0.40	6	8			20	48		
0.30	8	11			20	52		
0.20	8	11			20	52		
0.10	15		20		20	66	20	
SUBTOTALS	403	421	92	27	980	2570	119	10

RURAL PATCHING TOTALS

CLASS B TYPE II 13"	CLASS B TYPE III 13"	CLASS B TYPE IV 13"	DOWEL BARS 1 1/2"	SAW CUTS	WELDED WIRE REINF.	TIE BARS 3/4"
SO YD	SO YD	SO YD	EACH	FOOT	SO YD	EACH
847	324	81	2180	5824	405	30

FILE NAME: USER NAME: woodshank1
 C:\Users\woodshank1\Documents\DOT Offices\District 3\Projects\0366\DRAWING\066H36 RW\066H36 RW.tbl.dgn
 PLT SCALE: 100.0000 1/16"
 PLT DATE: 4/4/2017

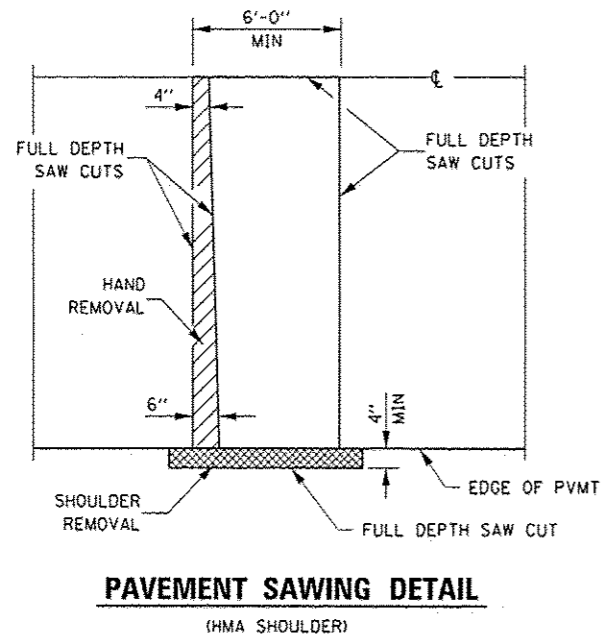
DESIGNED - RW
 CHECKED - EP
 DATE - 3/21/2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULES - RURAL

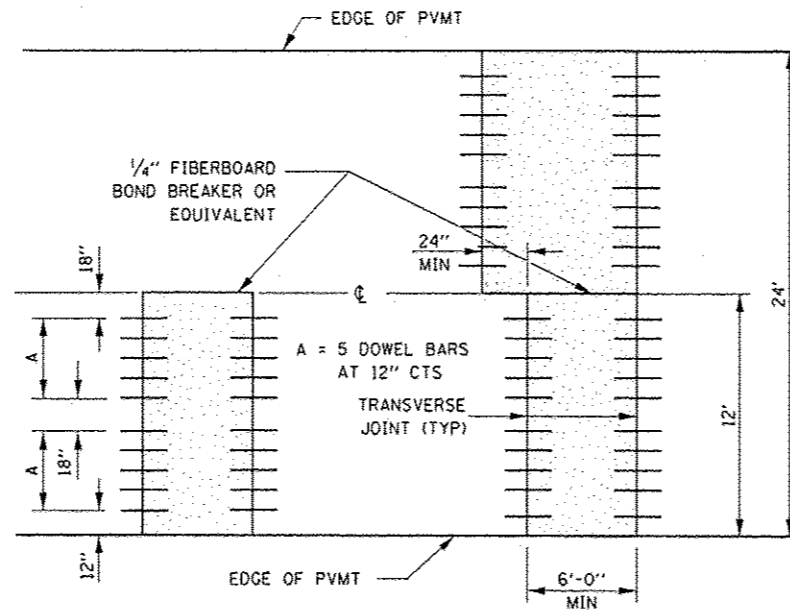
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 623 SECTION 1301PP COUNTY LASALLE TOTAL SHEETS 9 SHEET NO. 5 CONTRACT NO. 66H36 ILLINOIS FED. AID PROJECT

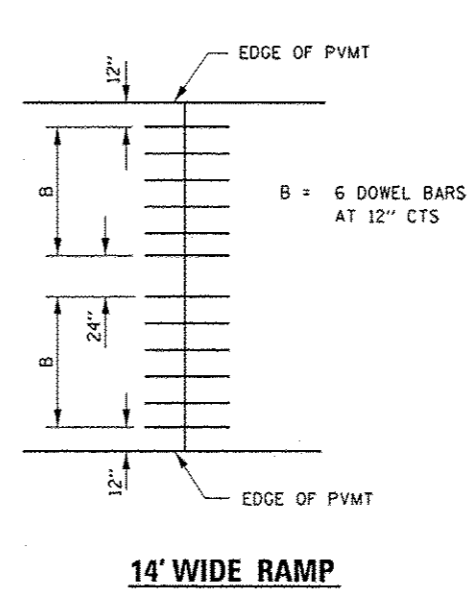


PAVEMENT SAWING DETAIL

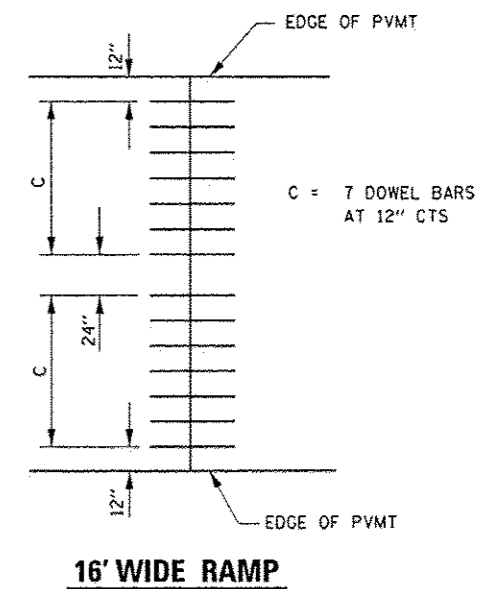
(HMA SHOULDER)



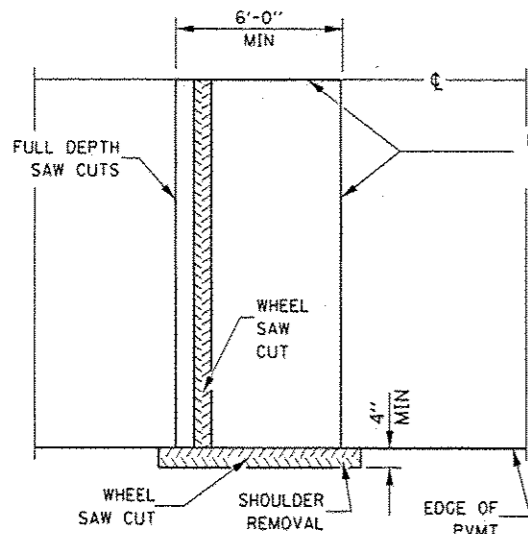
12' WIDE LANES



14' WIDE RAMP

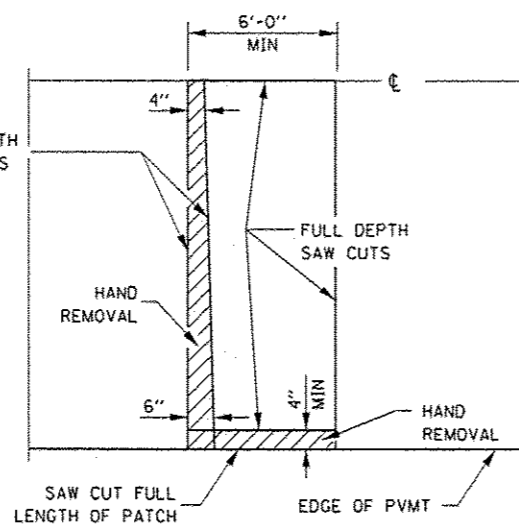


16' WIDE RAMP



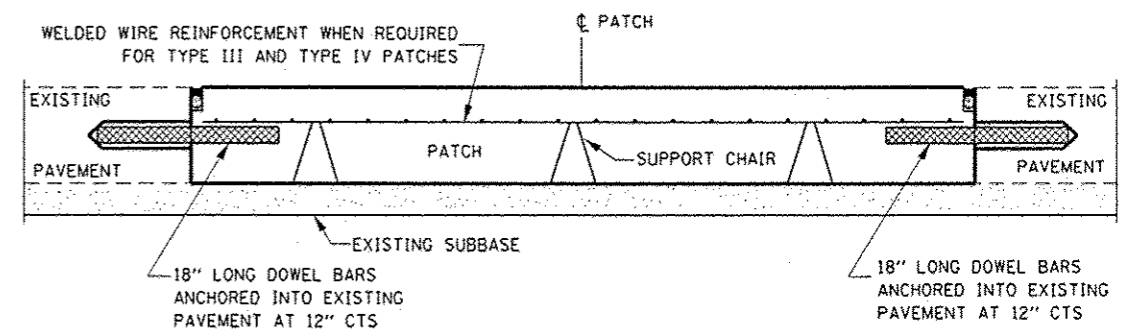
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

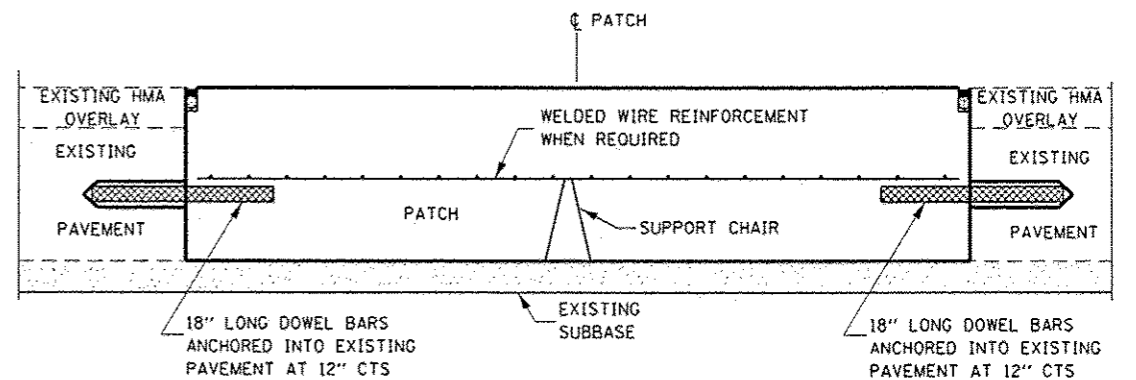


PAVEMENT SAWING DETAIL

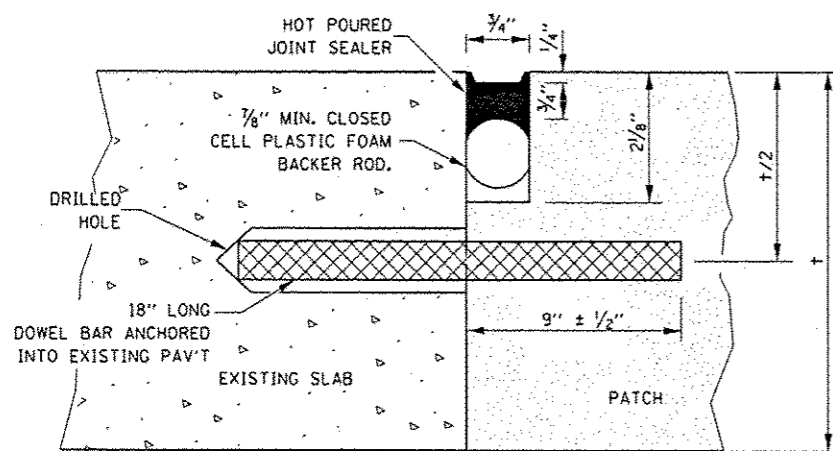
(PCC SHOULDER)



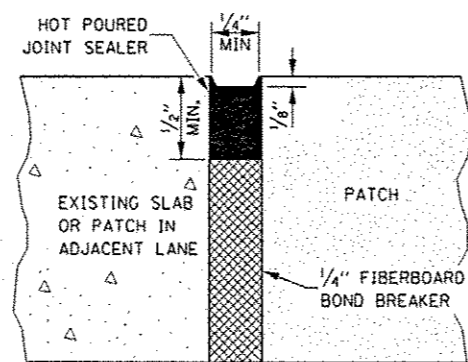
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT



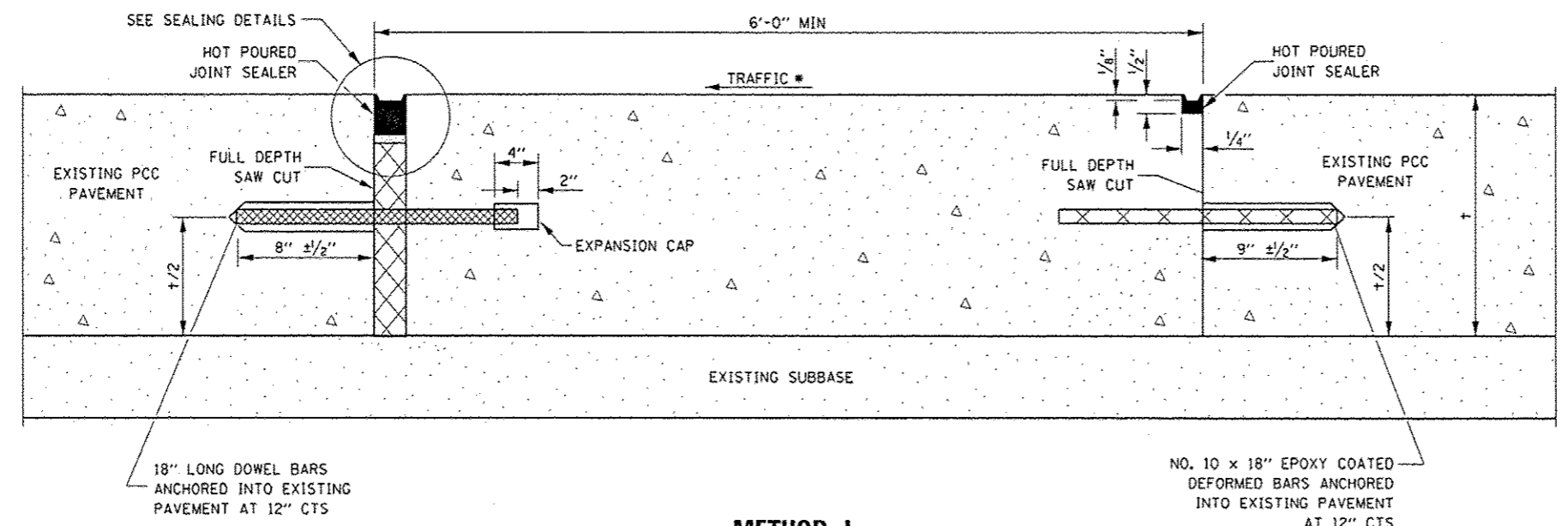
CENTERLINE JOINT

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

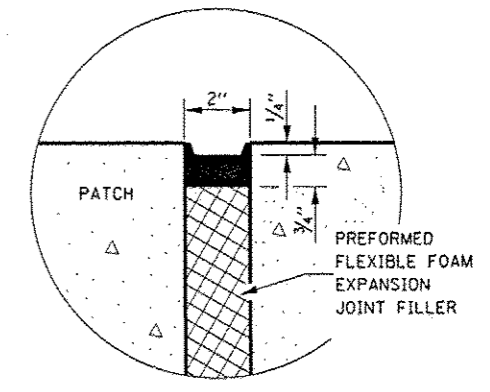
GENERAL NOTES

THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.

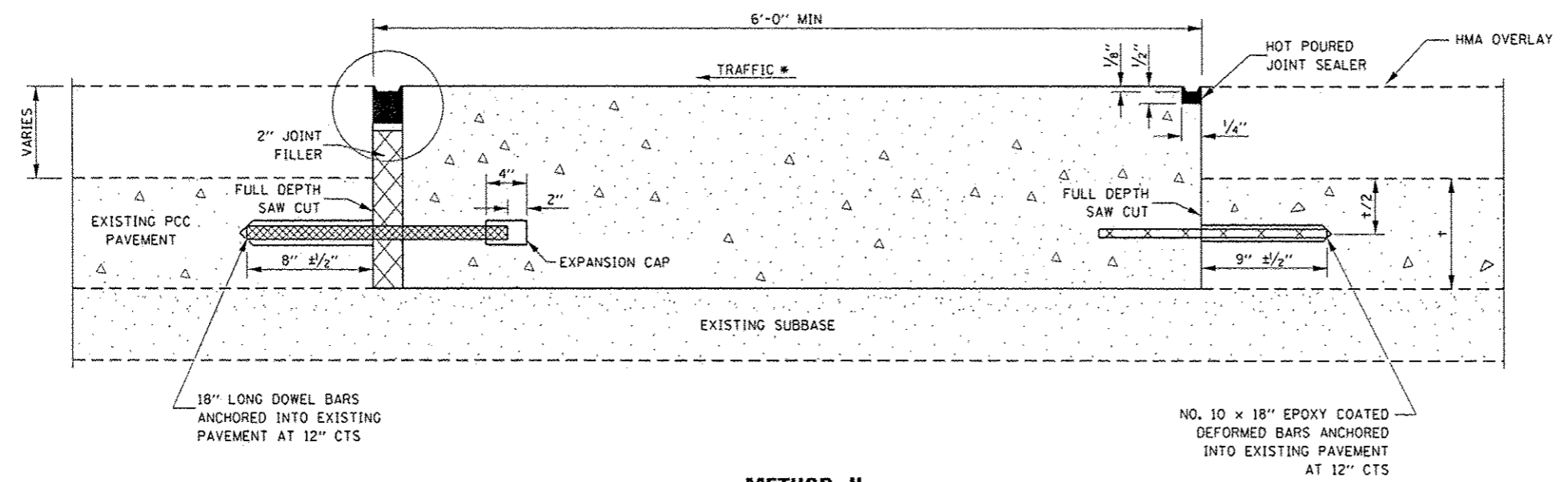
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



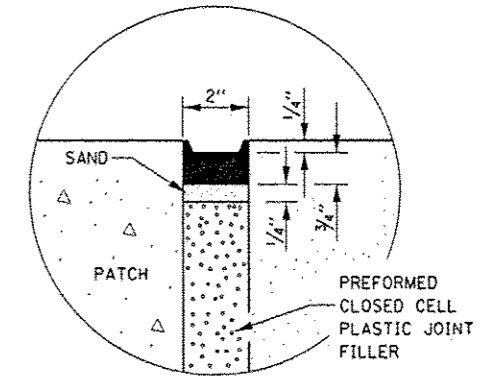
METHOD I
(WITHOUT HMA OVERLAY)



SEALING DETAIL



METHOD II
(WITH HMA OVERLAY)



SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

FILE NAME: p:\11084EBIDINTEG\Illinois.gov\FW1007\Documents\1007\Office\District 3\Projects\036\DRAWN\Date\66H36RW\title.dgn	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS B PATCHING DETAILS			F.A.P. RTE. 623	SECTION (30)PP	COUNTY LASALLE	TOTAL SHEETS 9	SHEET NO. 9	
Default	CHECKED - EP	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000 / in.	DATE - 3/21/2017	REVISED -										
PLOT DATE = 4/4/2017												