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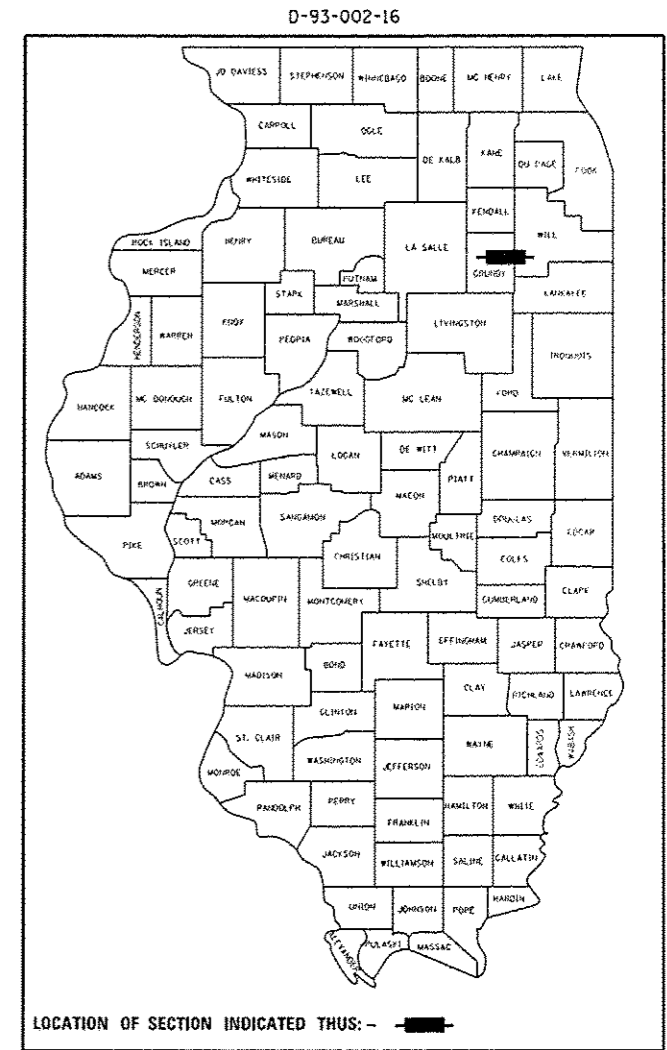
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**ROUTE F.A.S. 301 (IL 113)
SECTION D3 PATCHING 2017-3
CLASS B PATCHING
GRUNDY COUNTY**

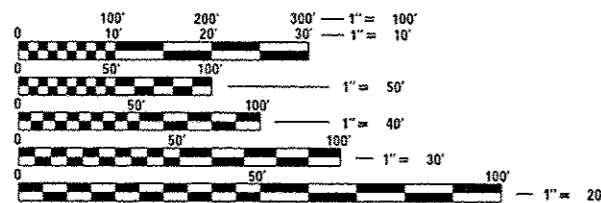
C-93-075-16

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	D3 PATCHING 2017-3	GRUNDY	9	1
		ILLINOIS	CONTRACT NO. 66F41	



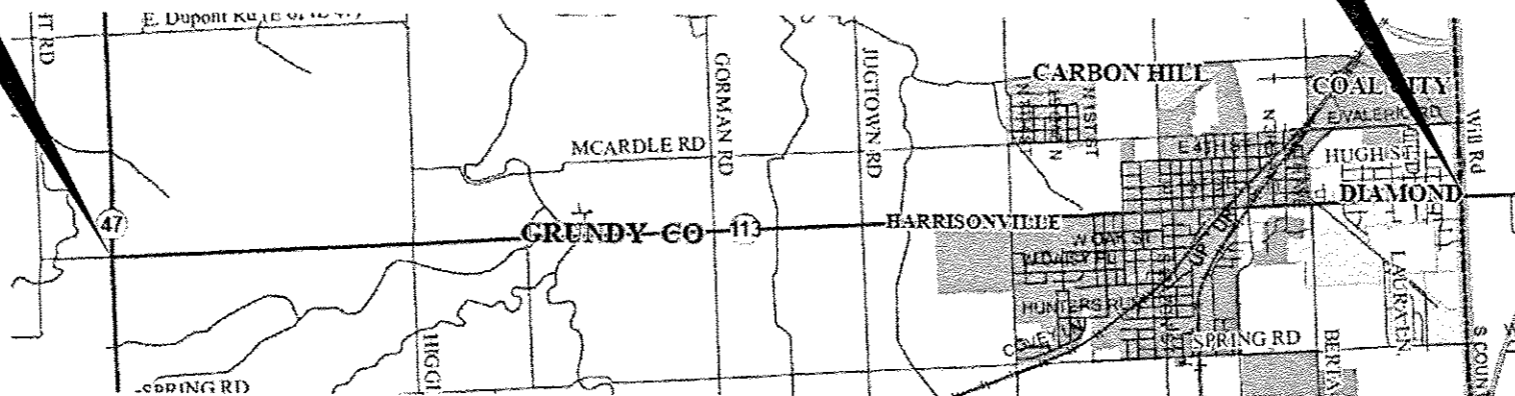
IMPROVEMENT ENDS
INTERSECTION OF
IL 113 AND IL 47
(L.M. 9.20)

IMPROVEMENT BEGINS
WILL COUNTY LINE
(L.M. 0.00)



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. 66F41

GROSS LENGTH = 48576 FT. = 9.200 MILE
NET LENGTH = 968 FT. = 0.183 MILE

RURAL
MINOR ARTERIAL
FAS 301 (IL 113)
2015

ADT	11700
P. V.	83.66%
S. U.	11.45%
M. U.	4.89%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 19 2016
Paul Coetzee
REGIONAL ENGINEER

Maureen M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Paula A. [Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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

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.

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 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:

DATE: May 19, 2016

PREPARED BY: Don Brault
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Abdul K. Jeyaraj
DISTRICT CONSTRUCTION ENGINEER

Wayne Phillips, Jr.
DISTRICT MATERIALS ENGINEER

Tom Hupf
DISTRICT OPERATIONS ENGINEER

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
path: \\P0646810HTEG\illinoisgo\PIWIDOT\Documents\IDOT\District 3\Projects\0301\Drawings\0301-31-shr-details.dgn	PROJECT :	DRAWN :	REVISED :			301	D3 PATCHING 2017-3	GRINDY	9	2	
Default	PLOT SCALE :	CHECKED :	REVISED :			SCALE:		SHEET OF SHEETS		STA. TO STA.	CONTRACT NO. 66F41
	PLOT DATE :	DATE :	REVISED :			ILLINOIS FED. AID PROJECT					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONT. MAINT.
				100% STATE
			ROADWAY	
			0005	
			RURAL	
44200050	WELDED WIRE REINFORCEMENT	SO YD	1078	1078
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SO YD	54	54
44200982	CLASS B PATCHES, TYPE II, 11 INCH	SO YD	41	41
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SO YD	227	227
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SO YD	141	141
44201048	CLASS B PATCHES, TYPE IV, 16 INCH	SO YD	937	937
44201299	DOWEL BARS 1 1/2"	EACH	1122	1122
44213200	SAW CUTS	FOOT	3923	3923
44213204	TIE BARS 3/4"	EACH	313	313
60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	1	1
67100100	MOBILIZATION	LSUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	932	932

14

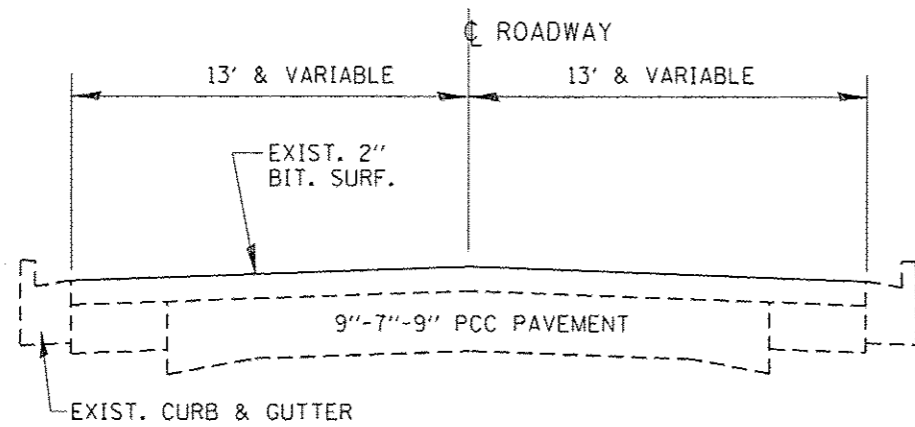
*SPECIALITY ITEMS

FILE NAME : m:\18084601\REG\Illinois\gov\PKIDT\A...	USER NAME : pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.S. RTE. 301	SECTION D3 PATCHING 2017-3	COUNTY GRUNDY	TOTAL SHEETS 9	SHEET NO. 3	
		DRAWN data\0366\41-shr-details.dgn	REVISED -					SCALE: SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
		CHECKED -	REVISED -										
		DATE -	REVISED -										

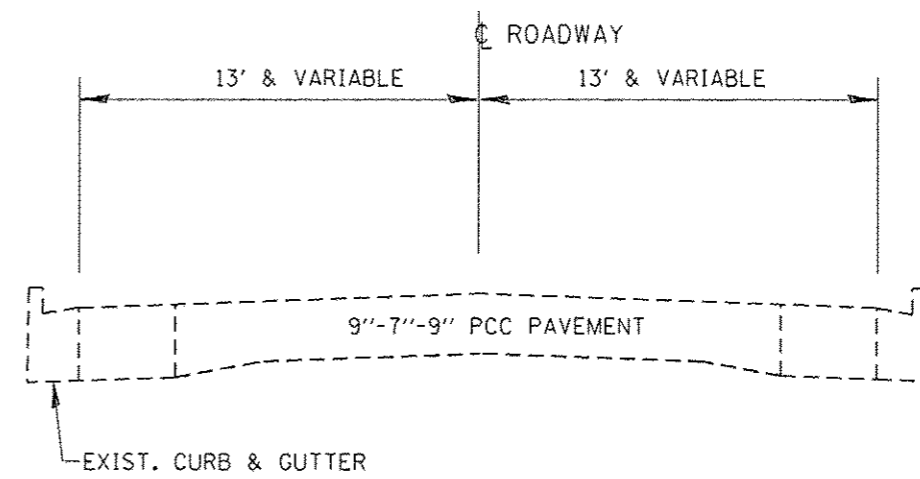
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONT. MAINT.
				100% STATE
				ROADWAY
				0005
				RURAL
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	510	510
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42

2

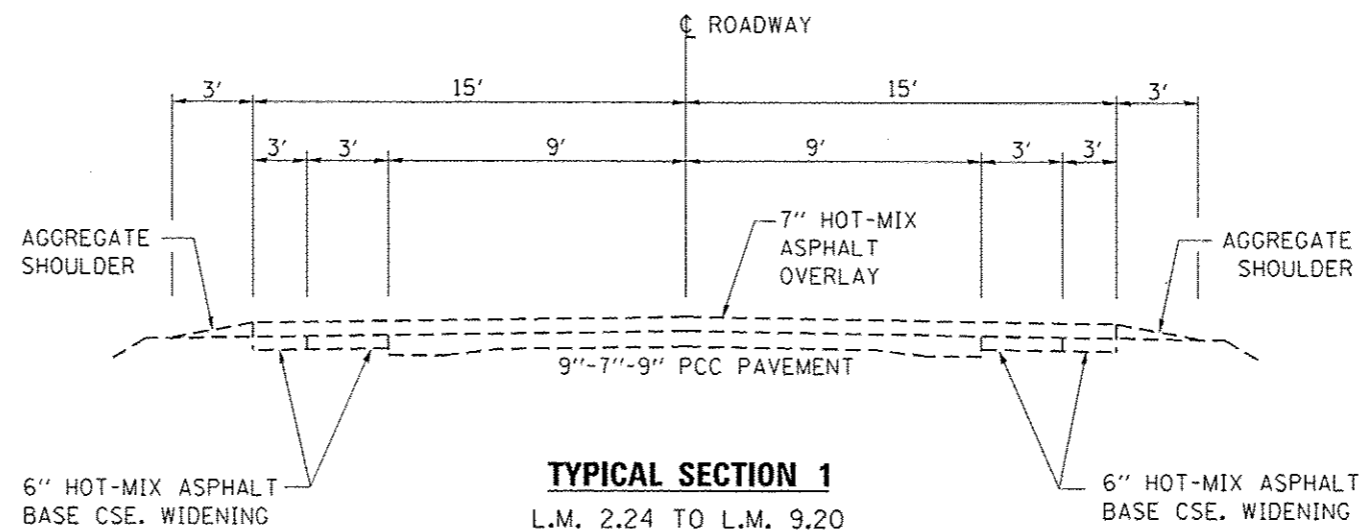
*SPECIALITY ITEMS



TYPICAL SECTION 1
L.M. 0.00 TO L.M. 1.59



TYPICAL SECTION 1
L.M. 1.59 TO L.M. 2.24



TYPICAL SECTION 1
L.M. 2.24 TO L.M. 9.20

FILE NAME :	USER NAME : pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
path: \\BL04EBID\IT\ECallions\gov\PM\DOT\Documents\DOT Offices\District 3\Projects\030	DRAWN: sta 0350F41-shr\detailed.dgn	CHECKED -	REVISED -						301	D3 PATCHING 2017-3	GRUNDY	9	5
Default	PLOT SCALE = 1/4"=1'-0"	DATE -	REVISED -		CONTRACT NO. 66F41				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 9.19.2016				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

SCHEDULE - CLASS B PATCHING 11"

LOCATION	WESTBOUND LANE			
	PATCH LENGTH	CLASS B TYPE II 11"	DOWEL BARS 1 1/2"	SAW CUTS
MILE MARKER	(FT)	SQ YD	EACH	FOOT
0.3	6.0	9	22	51
0.3	6.0	9	22	51
SUBTOTALS	12	18	44	102

SCHEDULE - CLASS B PATCHING 9"

LOCATION	WESTBOUND LANE			
	PATCH LENGTH	CLASS B TYPE II 9"	DOWEL BARS 1 1/2"	SAW CUTS
MILE MARKER	(FT)	SQ YD	EACH	FOOT
1.7	6.0	9	22	51
1.9	6.0	9	22	51
1.9	6.0	9	22	51
1.9	6.0	9	22	51
2.1	6.0	9	22	51
2.2	6.0	9	22	51
SUBTOTALS	36	54	132	306

SCHEDULE - CLASS B PATCHING 16"

LOCATION	FOR WESTBOUND LANE							
	PATCH LENGTH	CLASS B TYPE II 16"	CLASS B TYPE III 16"	CLASS B TYPE IV 16"	DOWEL BARS 1 1/2"	SAW CUTS	WELDED WIRE REINF.	TIE BARS 3/4"
MILE MARKER	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
2.4	6.0	9			22	51		
3.7	15.0		22		22	69	22	
3.8	6.0	9			22	51		
4.0	48.0			69	22	135	69	24
4.2	19.0			27	22	77	27	
4.3	6.0	9			22	51		
4.4	10.0	14			22	59		
4.5	6.0	9			22	51		
4.6	6.0	9			22	51		
4.8	21.0			30	22	81	30	10
4.8	9.0	13			22	57		
4.9	45.0			65	22	129	65	22
5.0	23.0			33	22	85	33	11
5.0	16.0		23		22	71	23	
5.1	6.0	9			22	51		
5.2	9.0	13			22	57		
5.4	13.0		19		22	65	19	
5.4	26.0			38	22	91	38	13
5.4	9.0	13			22	57		
5.6	6.0	9			22	51		
5.6	6.0	9			22	51		
5.6	9.0	13			22	57		
5.6	12.0		17		22	63	17	
5.7	11.0		16		22	61	16	
8.1	8.0	12			22	55		
8.2	6.0	9			22	51		
8.6	6.0	9			22	51		
8.7	34.0			49	22	107	49	17
SUBTOTALS	397	165	97	311	616	1886	408	97

SCHEDULE - CLASS B PATCHING 16"

LOCATION	FOR EASTBOUND LANE							
	PATCH LENGTH	CLASS B TYPE II 16"	CLASS B TYPE III 16"	CLASS B TYPE IV 16"	DOWEL BARS 1 1/2"	SAW CUTS	WELDED WIRE REINF.	TIE BARS 3/4"
MILE MARKER	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
8.3	6.0	9			22	51		
7.8	7.0	10			22	53		
7.7	6.0	9			22	51		
6.4	6.0	9			22	51		
6.3	62.0			90	22	163	90	31
6.2	141.0			204	22	321	204	70
6.1	13.0		19		22	65	19	
6.1	146.0			211	22	331	211	73
6.0	84.0			121	22	207	121	42
5.3	17.0		25		22	73	25	
3.1	6.0	9			22	51		
2.3	6.0	9			22	51		
2.3	6.0	9			22	51		
SUBTOTALS	506	62	44	626	286	1519	670	216

SCHEDULE - CLASS B PATCHING 11"

LOCATION	EASTBOUND LANE			
	PATCH LENGTH	CLASS B TYPE II 11"	DOWEL BARS 1 1/2"	SAW CUTS
MILE MARKER	(FT)	SQ YD	EACH	FOOT
0.9	6.0	9	22	51
0.9	10.0	14	22	59
SUBTOTALS	16	23	44	110

PAVEMENT MARKING SCHEDULE

LOCATION	POLYUREA PAVEMENT MARKING TYPE 1 LINE - 4"		POLYUREA PAVEMENT MARKING TYPE 1 LINE - 6"
	FEET	FEET	FEET
MILE POST	YELLOW	WHITE	YELLOW
0.3		6	10
0.3		6	10
0.9	6		10
0.9	11		10
1.7	6		10
1.9	6		10
1.9	6		10
1.9	6		10
2.1			10
2.2			10
2.3			10
2.3			10
2.4			10
3.1			10
3.7		15	10
3.8		6	10
4.0		48	10
4.2		19	10
4.3		6	10
4.4		10	10
4.5		6	10
4.6		6	10
4.8		21	10
4.8		9	10
4.9		45	10
5.0		23	10
5.0		16	10
5.1		6	10
5.2		9	10
5.3		17	10
5.4		13	10
5.4		26	10
5.4		9	10
5.6		6	10
5.6		6	10
5.6		9	10
5.6		12	10
5.7		11	10
6.0		84	10
6.1		146	10
6.1		13	10
6.2		141	10
6.3		62	10
6.4		6	10
7.7		6	10
7.8		7	10
8.1		8	10
8.2		6	10
8.3		6	10
8.6		6	10
8.7		34	10
SUBTOTAL	41	891	
TOTAL		932	510

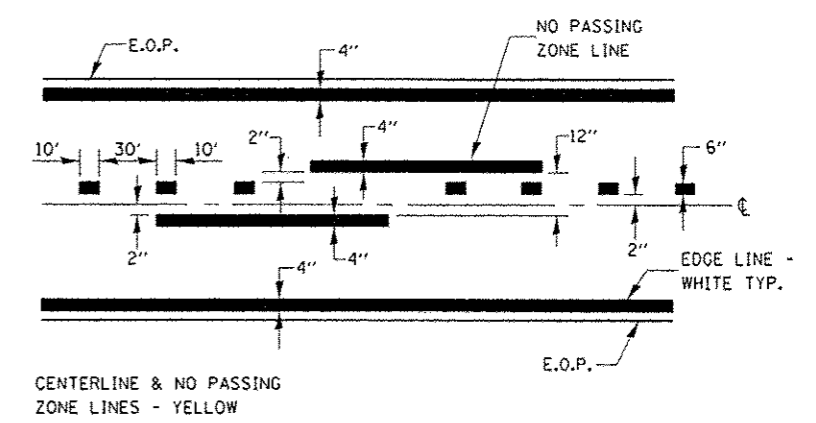
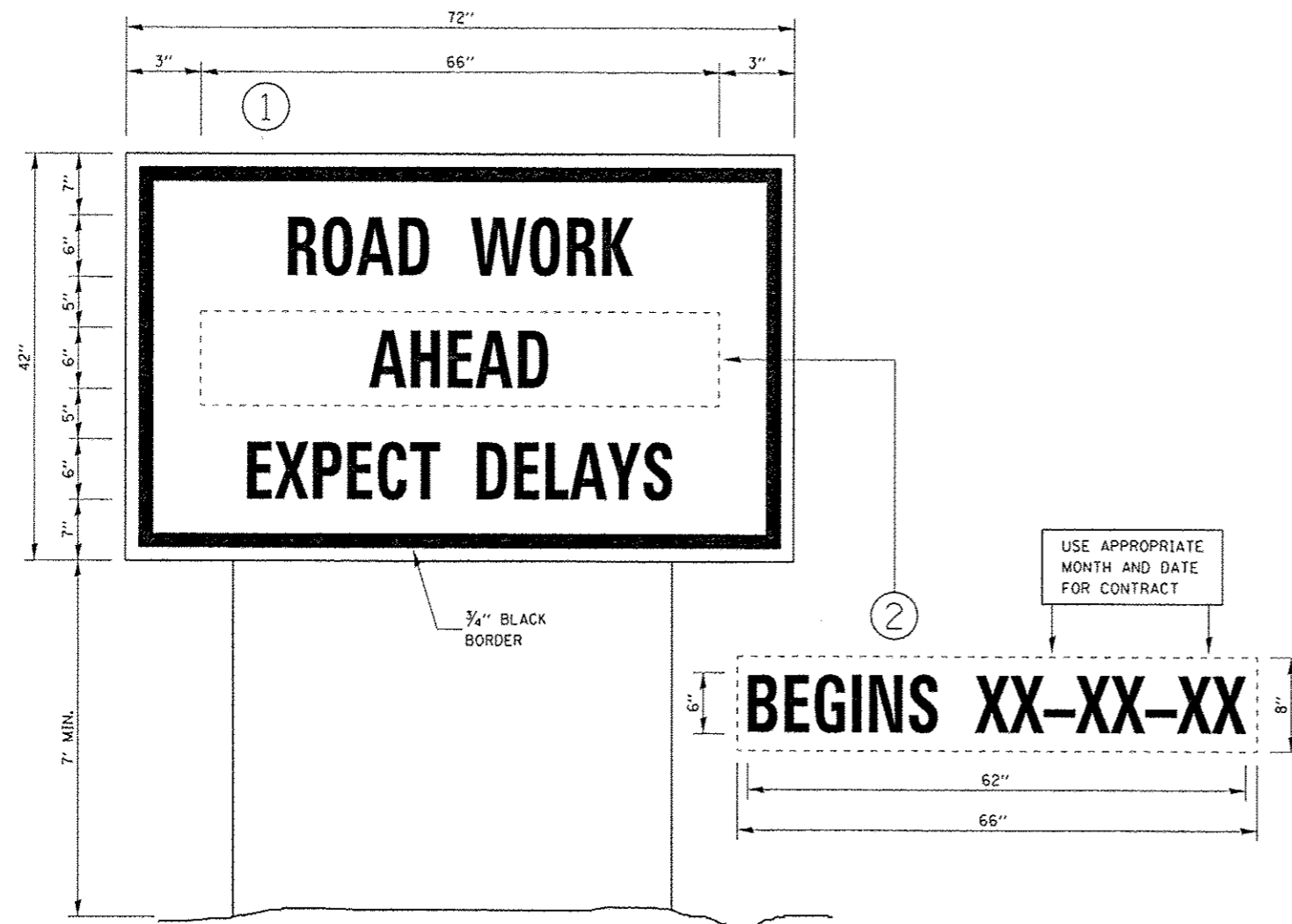
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	D3 PATCHING 2017-3	GRUNDY	9	6
CONTRACT NO. 66F41			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

FILE NAME	USER NAME	DESIGNED	REVISED
\\IL08EBID\ITC\Illinois.gov\PI00T\Documents\DOT_Offices\District 3\Projects\0301\DRAWING\0306F41-shc-detailed	plm	plm	plm
PLOT SCALE	CHECKED	DATE	REVISED
1"=100'	plm	5/18/2016	plm



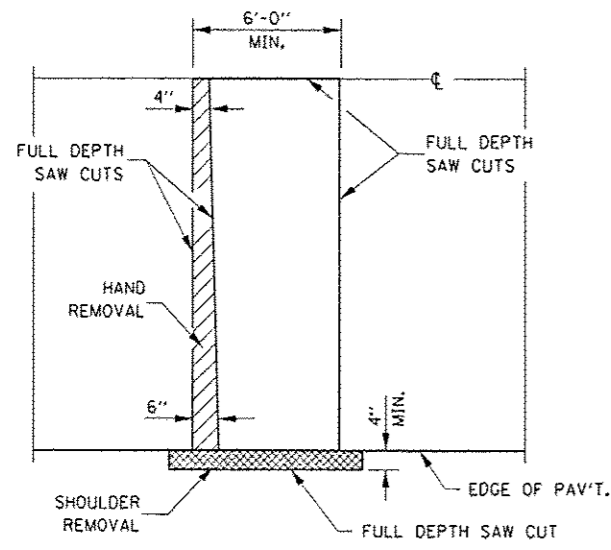
PAVEMENT MARKING

TEMPORARY INFORMATION SIGNING

NOTES:

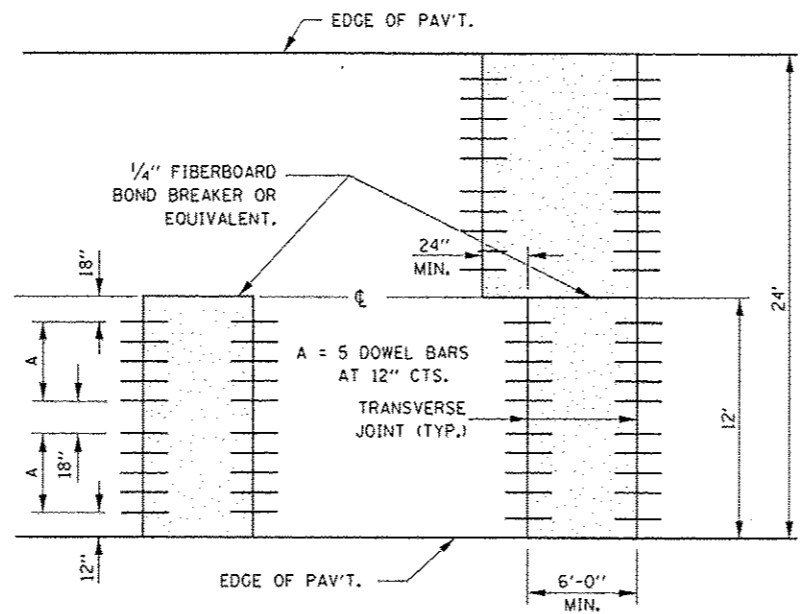
1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
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 :	USER NAME : p1eochtr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.S. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
part\BLOB\B10R\FEG\Illinois\p1eochtr\Documents\DOT Offices-District 3\Projects\036	DRAWN Data\0366F41-shk-details.dgn	REVISED -	REVISED -			301	D3 PATCHING 2017-3	GRUNDY	9	7
Default	PLOT SCALE = 100:2000 1/2 in.	CHECKED -	REVISED -			CONTRACT NO. 66F41				
	PLOT DATE = 5/13/2016	DATE -	REVISED -			ILLINOIS/FED. AID PROJECT				
SCALE: SHEET OF SHEETS STA. TO STA.										

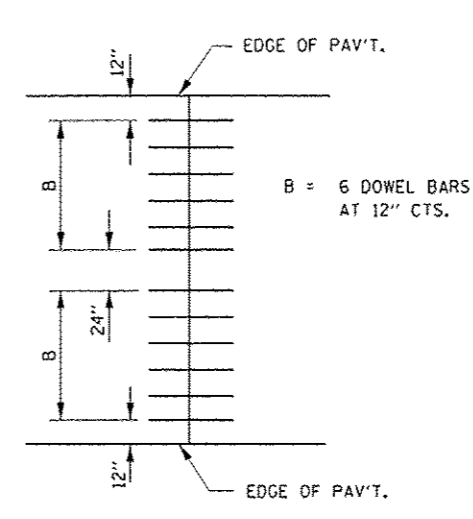


PAVEMENT SAWING DETAIL

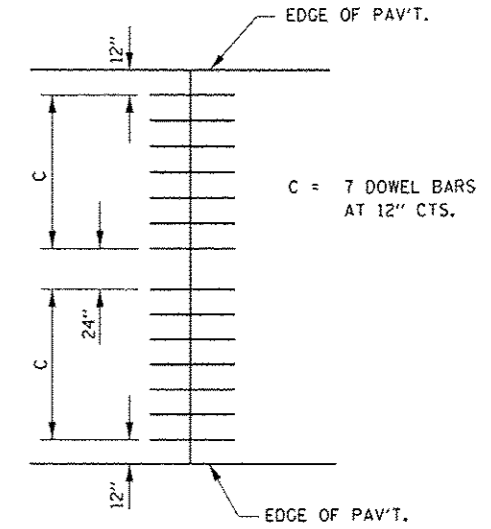
(HMA SHOULDER)



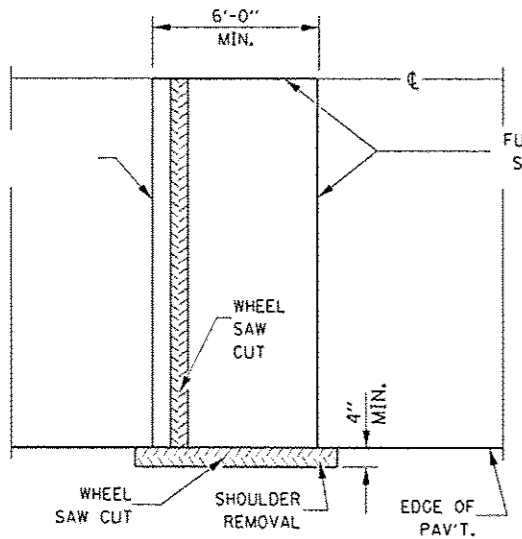
12' WIDE LANES



14' WIDE RAMP

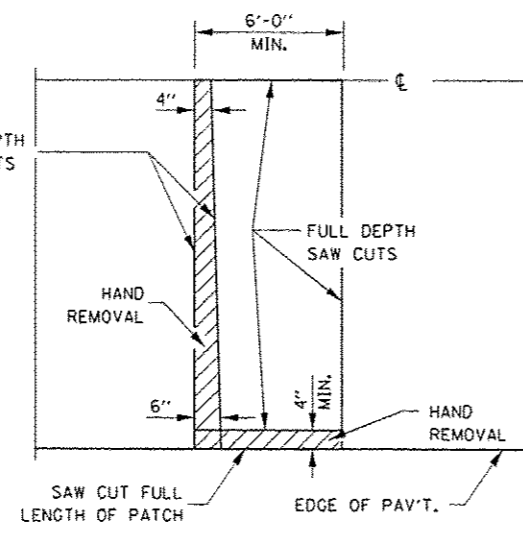


16' WIDE RAMP



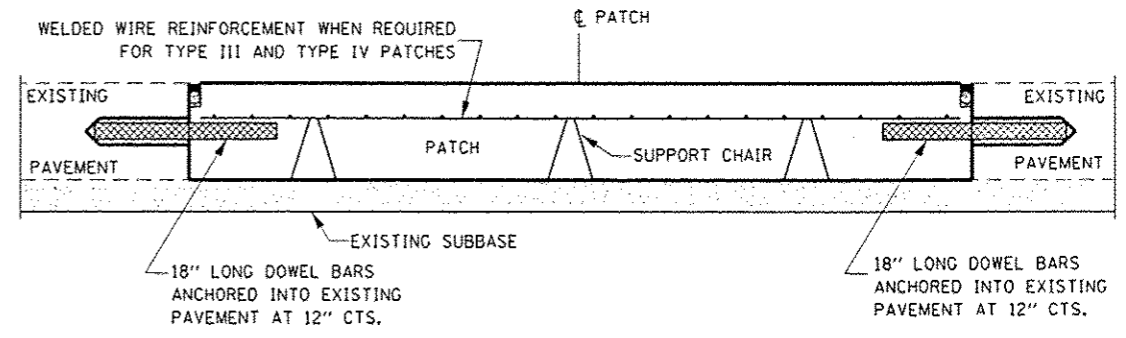
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

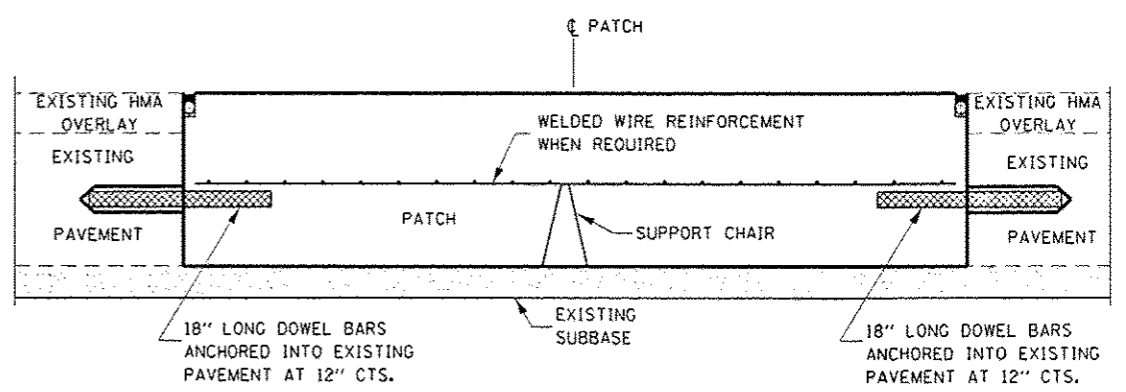


PAVEMENT SAWING DETAIL

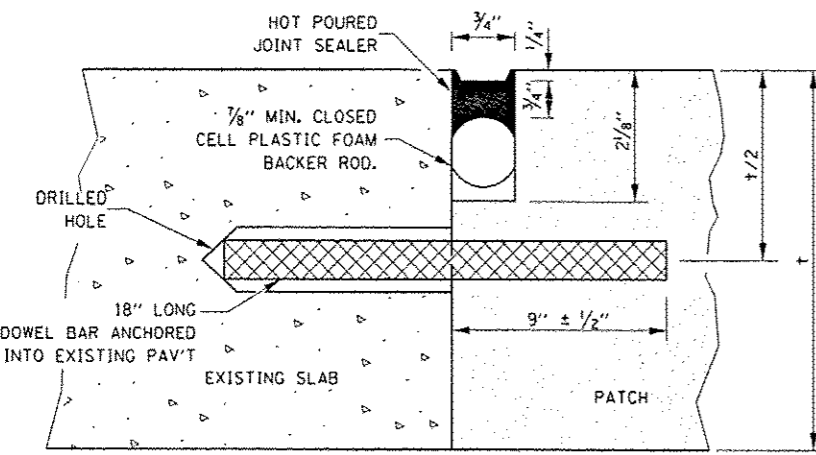
(IPCC SHOULDER)



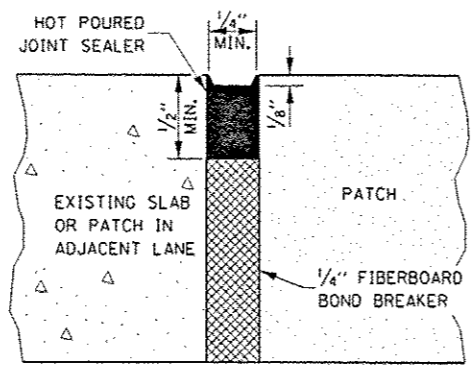
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT

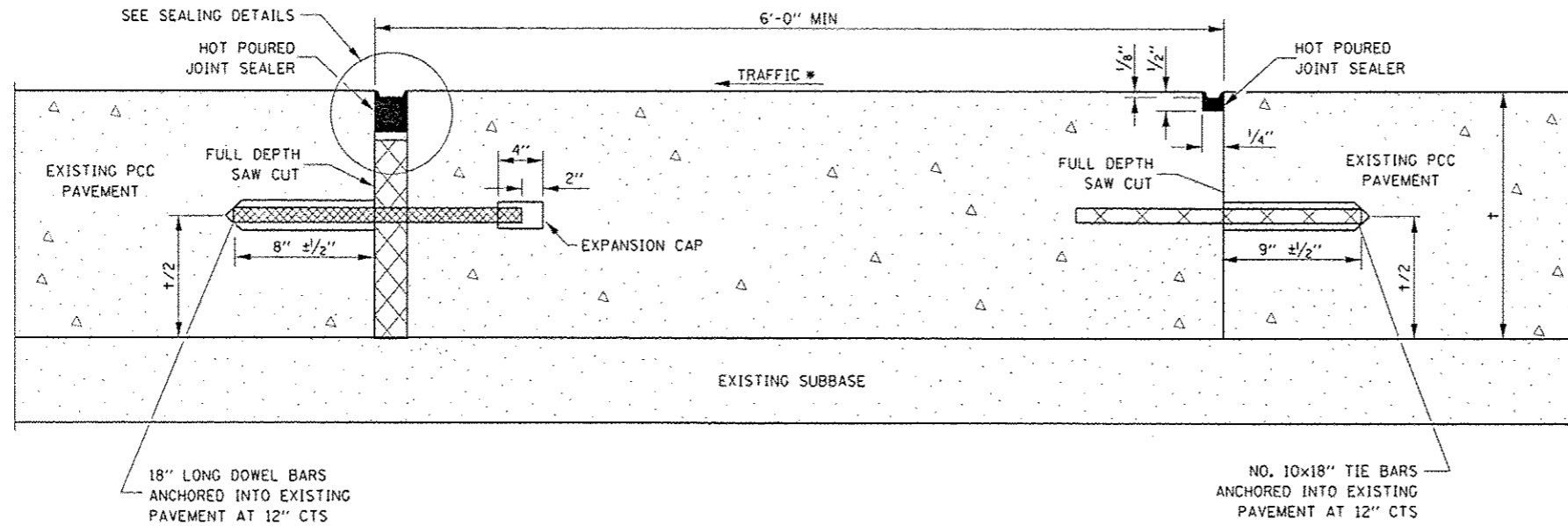


CENTERLINE JOINT

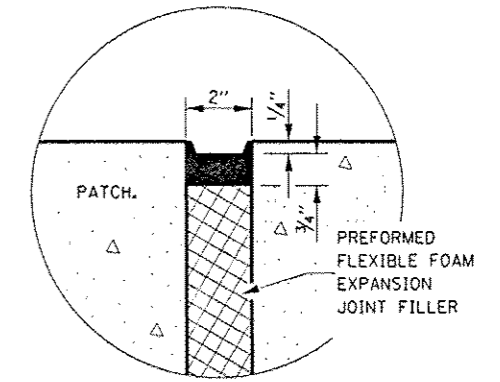
DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

GENERAL NOTES

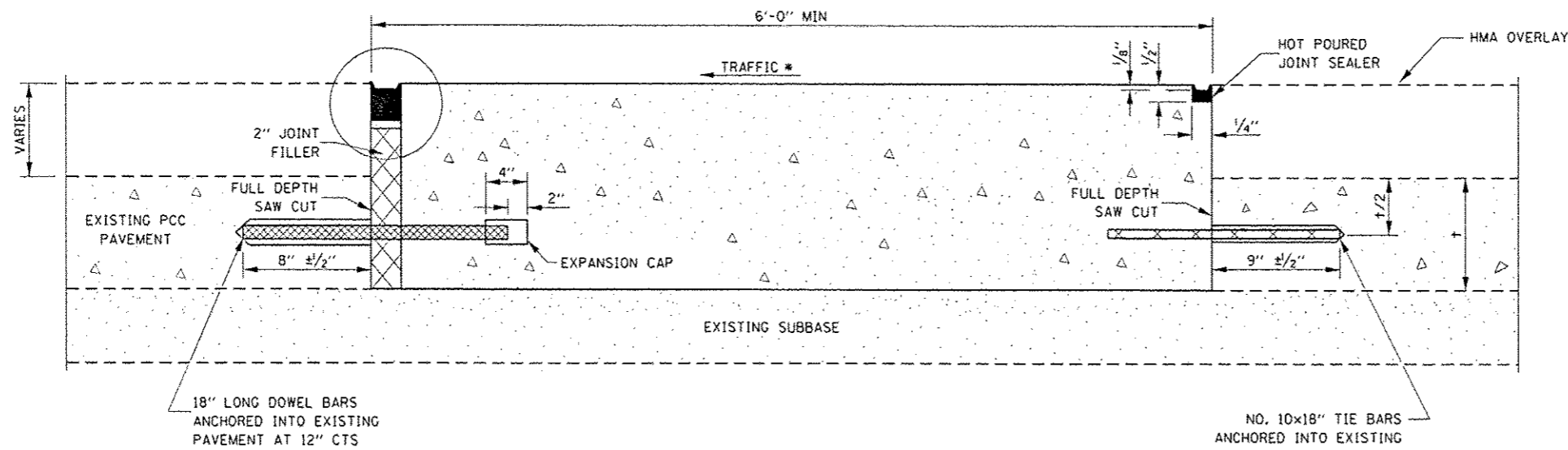
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



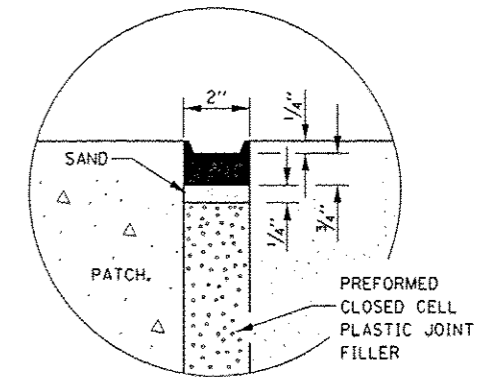
METHOD I
(WITHOUT HMA OVERLAY)



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 =	USER NAME = plstschtr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS B PATCHING DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
path\11054501\INTEC\Illinois\gpr\PK100T\De	umanta\100T_Offices\Districos_3\Projects\036	DRAWN Data\0366F41-shr-details.dgn	REVISED -					301	D3 PATCHING 2017-3	GRUNDY	9	9
Default	PLT SCALE = 103.0000 1" = 10'	CHECKED -	REVISED -					CONTRACT NO. 66F41				
	PLT DATE = 5/18/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				