

INDEX OF SHEETS

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- 7-8. CLASS B PATCHING DETAILS

STANDARDS

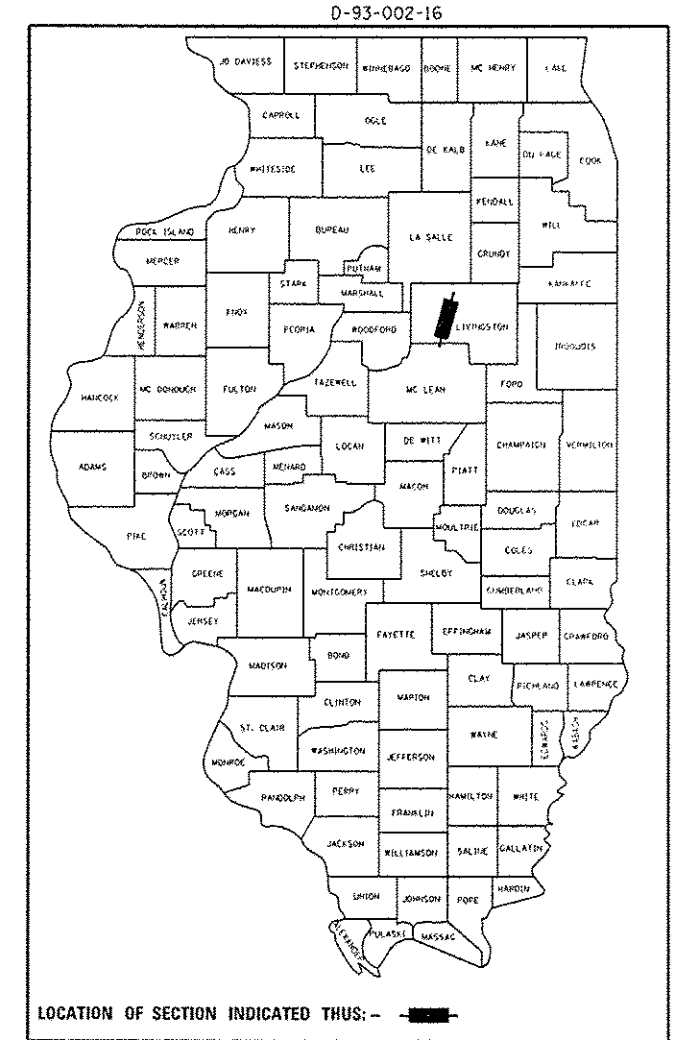
- | | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 420701-03 | PAVEMENT WELDED WIRE REINFORCEMENT |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE |
| 701451-03 | RAMP CLOSURE FREEWAY/EXPRESSWAY |
| 701901-05 | TRAFFIC CONTROL DEVICES |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED HIGHWAY PLANS

**F.A.I. ROUTE 55 (I-55)
SECTION D3 PATCHING 2017-11
PAVEMENT PATCHING
LIVINGSTON COUNTY
C-93-079-16**

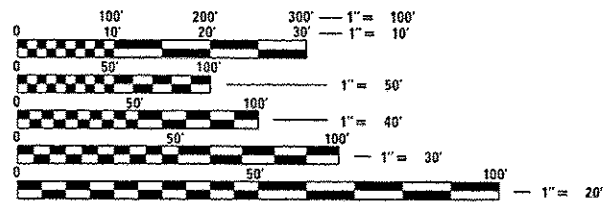
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	DE PATCHING 2017-11	LIVINGSTON	8	1
		ILLINOIS	CONTRACT NO. 66F45	



RURAL INTERSTATE		RURAL INTERSTATE	
FAI 55 (I-55)		FAI 55 (I-55)	
NB REST AREA		SB REST AREA	
2015		2015	
ADT	750	ADT	950
P. V.	70.67%	P. V.	65.79%
S. U.	9.33%	S. U.	10.53%
M. U.	20.00%	M. U.	23.68%

PROJECT LOCATION
SOUTHBOUND LIMESTONE REST AREA
+/-2.52 MILES SOUTH OF IL 116 (PONTIAC)

PROJECT LOCATION
NORTHBOUND LIMESTONE REST AREA
+/-3.52 MILES SOUTH OF IL 116 (PONTIAC)

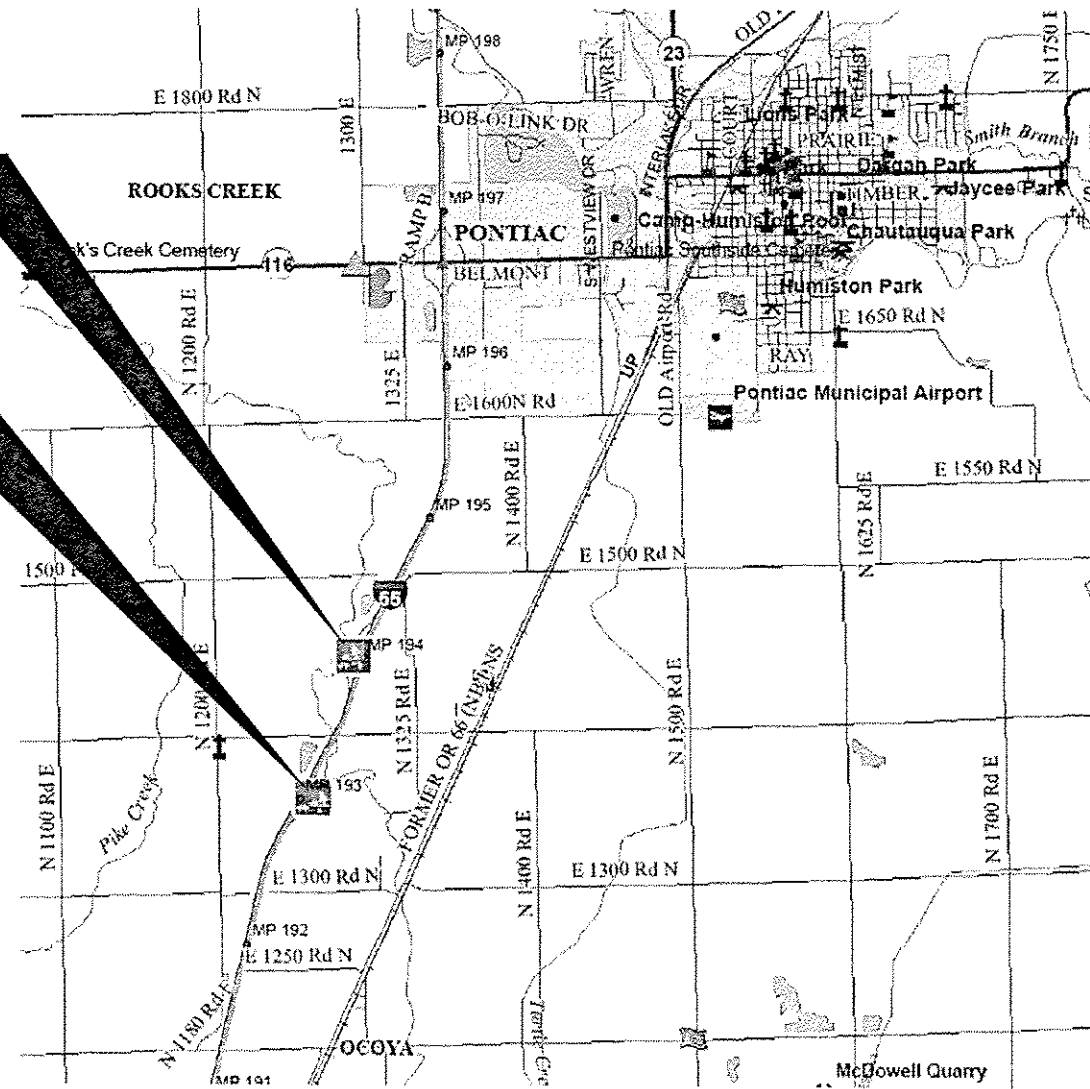


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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**

CONTRACT NO. 66F45



POINT LOCATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 19 2016
Paul Coetzee
REGIONAL ENGINEER

July 1 2016
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

July 1 2016
Annelle
DIRECTOR OF PROGRAM DEVELOPMENT

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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.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW CONCRETE PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

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

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: Dan Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Harold K. King, Jr.
DISTRICT CONSTRUCTION ENGINEER

Wayne Phillips, Jr.
DISTRICT MATERIALS ENGINEER

Tom Hageman
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FILE NAME: <u>g:\IL094LBID\TEC\Illinois\g:\PW\DOT\Documents\DOT Offices\District 3\Projects\036</u>	USER NAME: <u>woodshank-l</u>	DESIGNED: <u>- RW</u>	REVISED: <u>-</u>	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.	F.A.I. RTE. 55 SECTION DE PATCHING 2017-11 COUNTY LIVINGSTON TOTAL SHEETS 8 SHEET NO. 2
DRAWING: <u>Data\036\PM5-shd-details.dgn</u>	CHECKED: <u>- EP</u>	REVISED: <u>-</u>	CONTRACT NO. 66F45 ILLINOIS FED. AID PROJECT		
PLOT SCALE: <u>100.0000 / in.</u>	DATE: <u>4/29/2016</u>	REVISED: <u>-</u>			
PLOT DATE: <u>4/29/2016</u>					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONT. MAINT. 100% STATE	CONT. MAINT. 100% STATE
				ROADWAY	ROADWAY
				0005	0005
				NORTHBOUND	SOUTHBOUND
44200050	WELDED WIRE REINFORCEMENT	SO YD	3260	1442	1818
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SO YD	1705	770	935
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SO YD	2452	1066	1386
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SO YD	808	376	432
44201299	DOWEL BARS 1 1/2"	EACH	11448	5036	6412
44213200	SAW CUTS	FOOT	25596	11346	14250
44213204	TIE BARS 3/4"	EACH	144	72	72
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	LSUM	1	0.5	0.5
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	2	2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
per:\PLOB\REBID\REG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\030	per:\PLOB\REBID\REG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\030	DRAWN :	REVISED :			55	03 PATCHING 2017-II	LIVINGSTON	8	3
Plot: SCALE = 1:50,000 1/2 in.	CHECKED :	REVISED :				CONTRACT NO. 66F45				
Plot DATE = 8-18-2016	DATE :	REVISED :				ILLINOIS FED. AID PROJECT				
Default				SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.			

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE II, III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB ENTRANCE RAMP.

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE II, III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB CAR LANE.

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB CENTER TRUCK LANE.

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB LEFT TRUCK LANE.

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB RIGHT TRUCK LANE.

SCHEDULE

Table with columns: PATCH LENGTH, CLASS B TYPE II, III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS. Title: SB EXIT RAMP.

SOUTHBOUND PATCHING TOTALS

Summary table for Southbound Patching Totals with columns: CLASS B TYPE II, III, IV, DOWEL BARS, SAW CUTS, WELDED WIRE REINF., TIE BARS.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

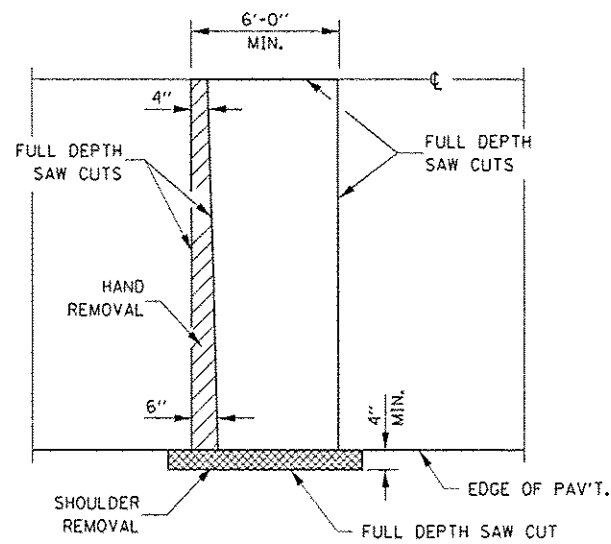
PATCHING SCHEDULE SOUTHBOUND REST AREA

SECTION 03 PATCHING 2017-11 COUNTY LIVINGSTON TOTAL SHEETS 8 SHEET NO. 6 CONTRACT NO. 66F45

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

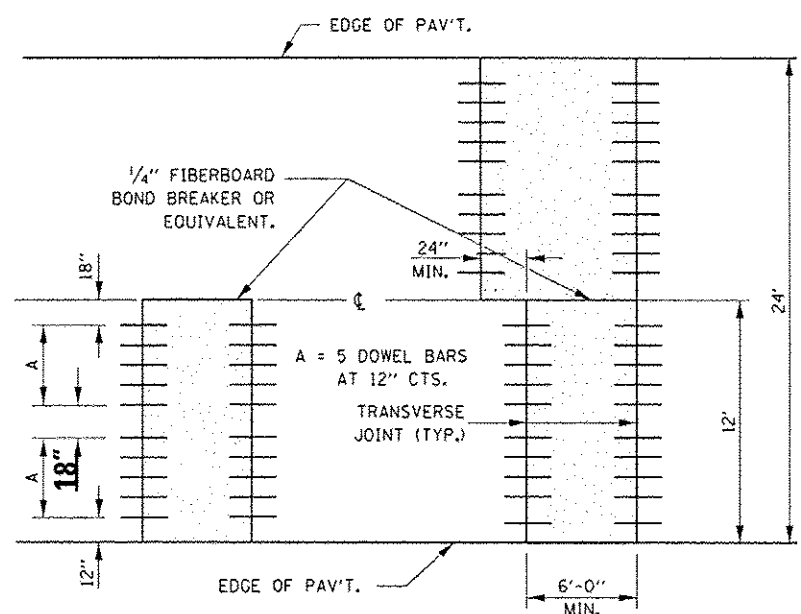
ILLINOIS FED. AID PROJECT

FILE NAME: USER NAME: woodhewer1 DESIGNED - RW REVISED - DRAWN: Date: 03/06/15: shs-detailed.dgn CHECKED - EP REVISED - PLOT SCALE: 1:100,000.0 DATE: 4/29/2016 REVISED -

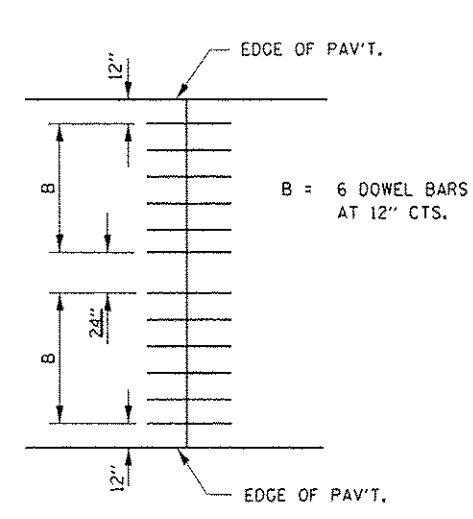


PAVEMENT SAWING DETAIL

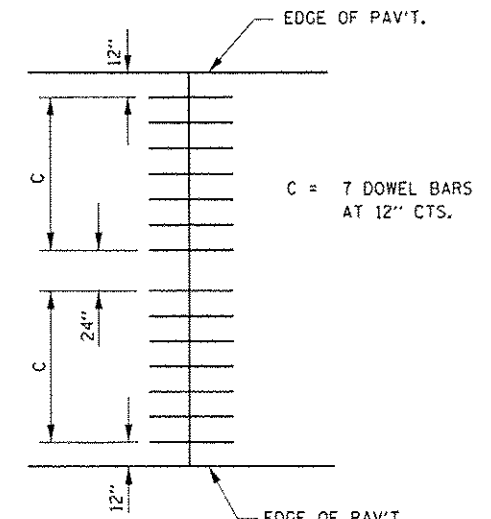
(HMA SHOULDER)



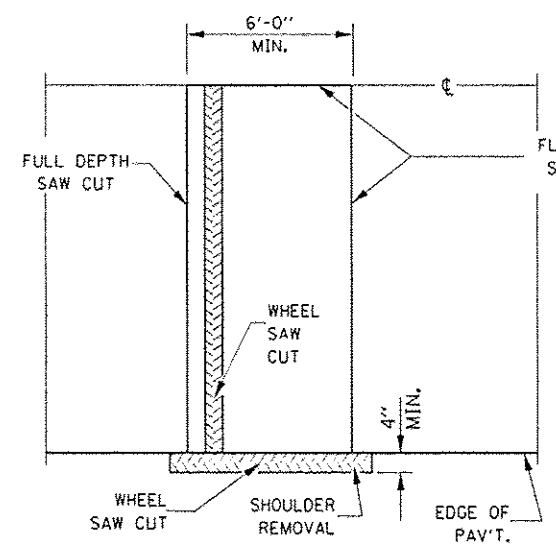
12' WIDE LANES



14' WIDE RAMP

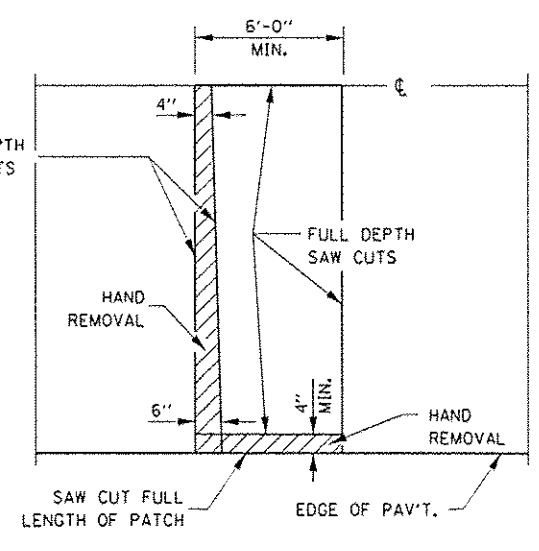


16' WIDE RAMP



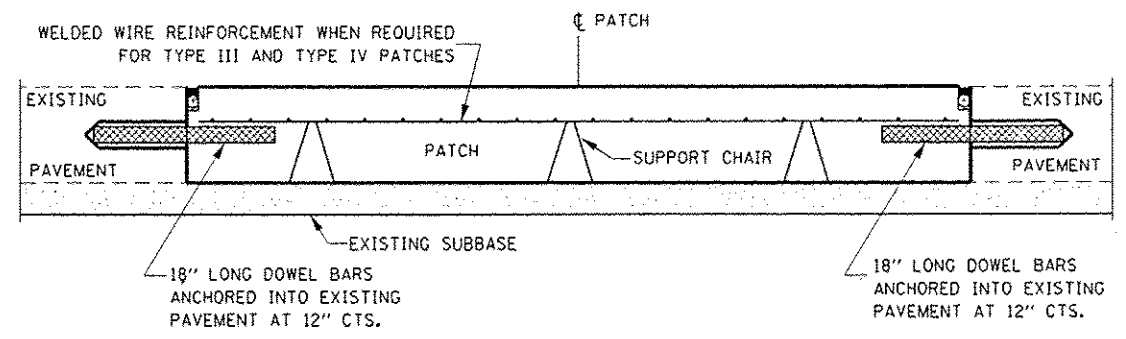
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

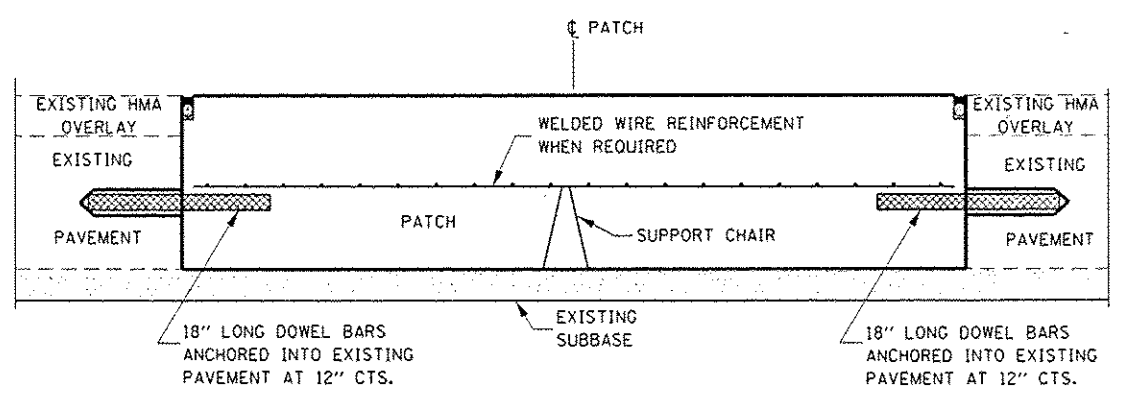


PAVEMENT SAWING DETAIL

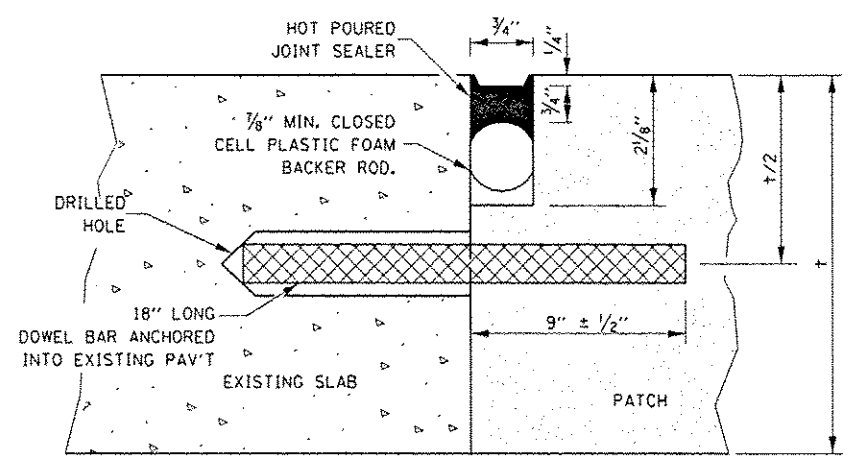
(PCC SHOULDER)



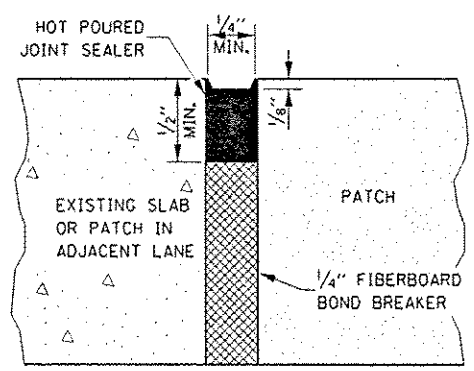
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT

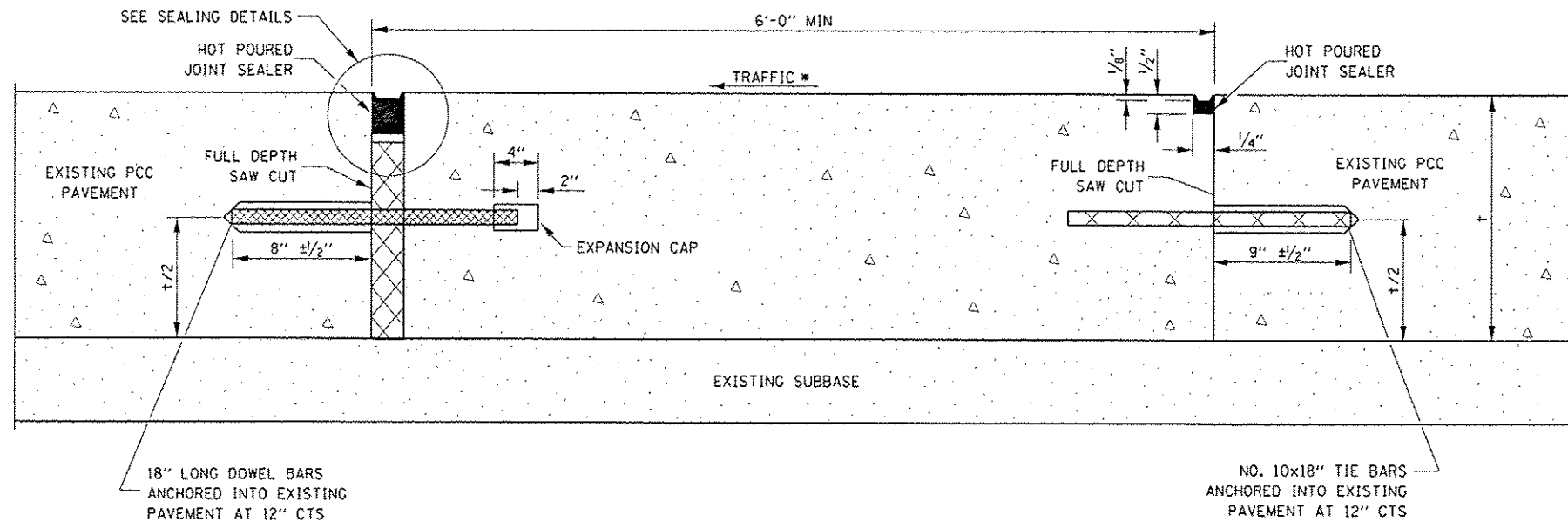


CENTERLINE JOINT

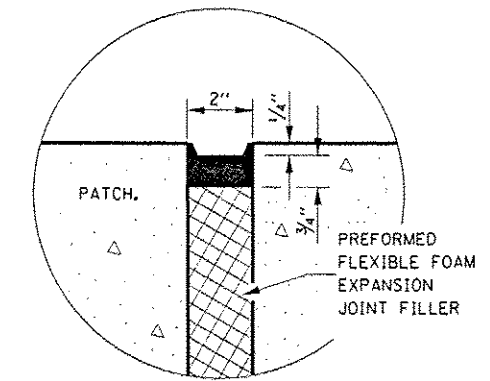
DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

GENERAL NOTES

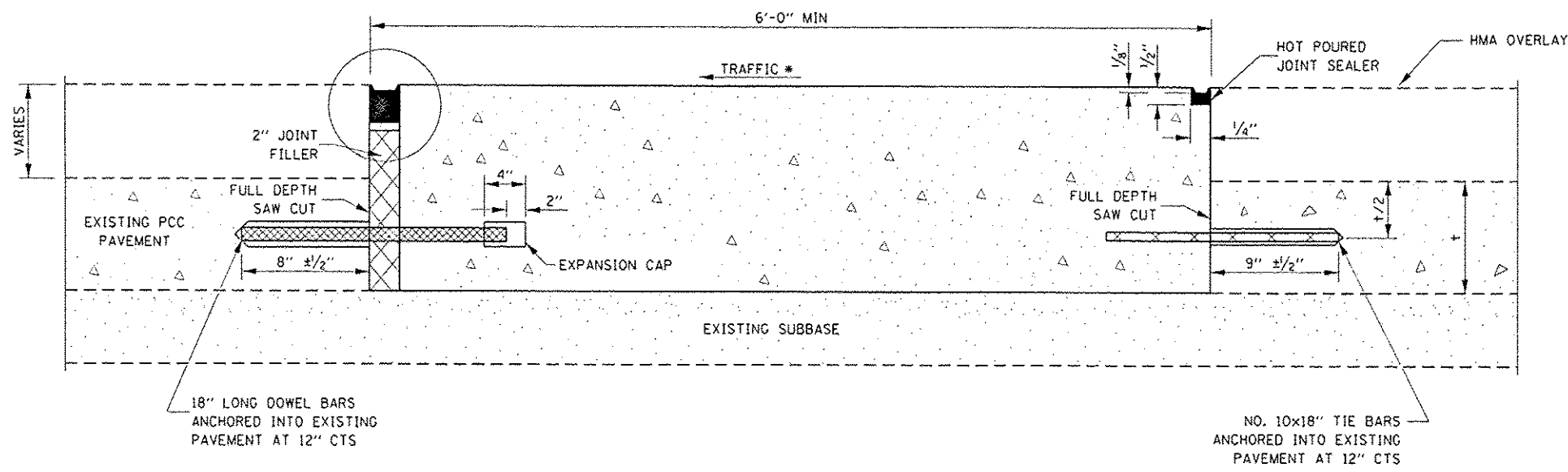
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



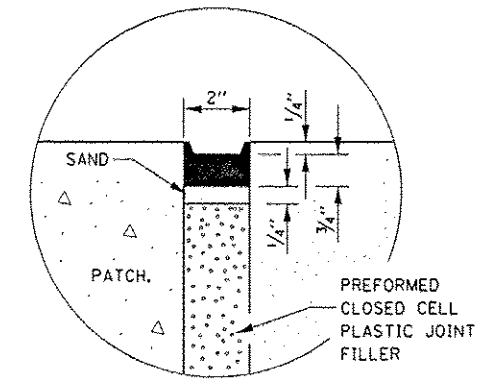
METHOD I
(WITHOUT HMA OVERLAY)



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:\11084EBID\ITC\Illinois.gov\PI\001\Documents\1007 Offices\District 2\Projects\030\DRAWING\030EP15-shd-details.dgn	USER NAME: woodshank1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS B PATCHING DETAILS			F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE: 1/8"=1'-0"	CHECKED - EP	REVISED -	REVISED -					55	DE PATCHING 2017-11	LIVINGSTON	8	8
PLOT DATE: 5-11-2016	DATE - 4/29/2016	REVISED -	REVISED -		SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 66F45				
ILLINOIS FED. AID PROJECT												