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- 701901-05 TRAFFIC CONTROL DEVICES
- 886001-01 DETECTOR LOOP INSTALLATIONS
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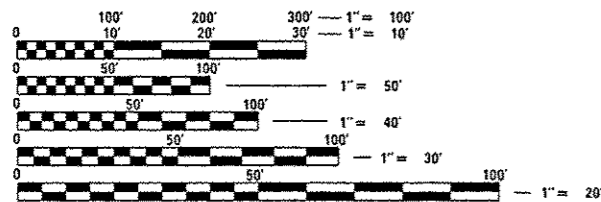
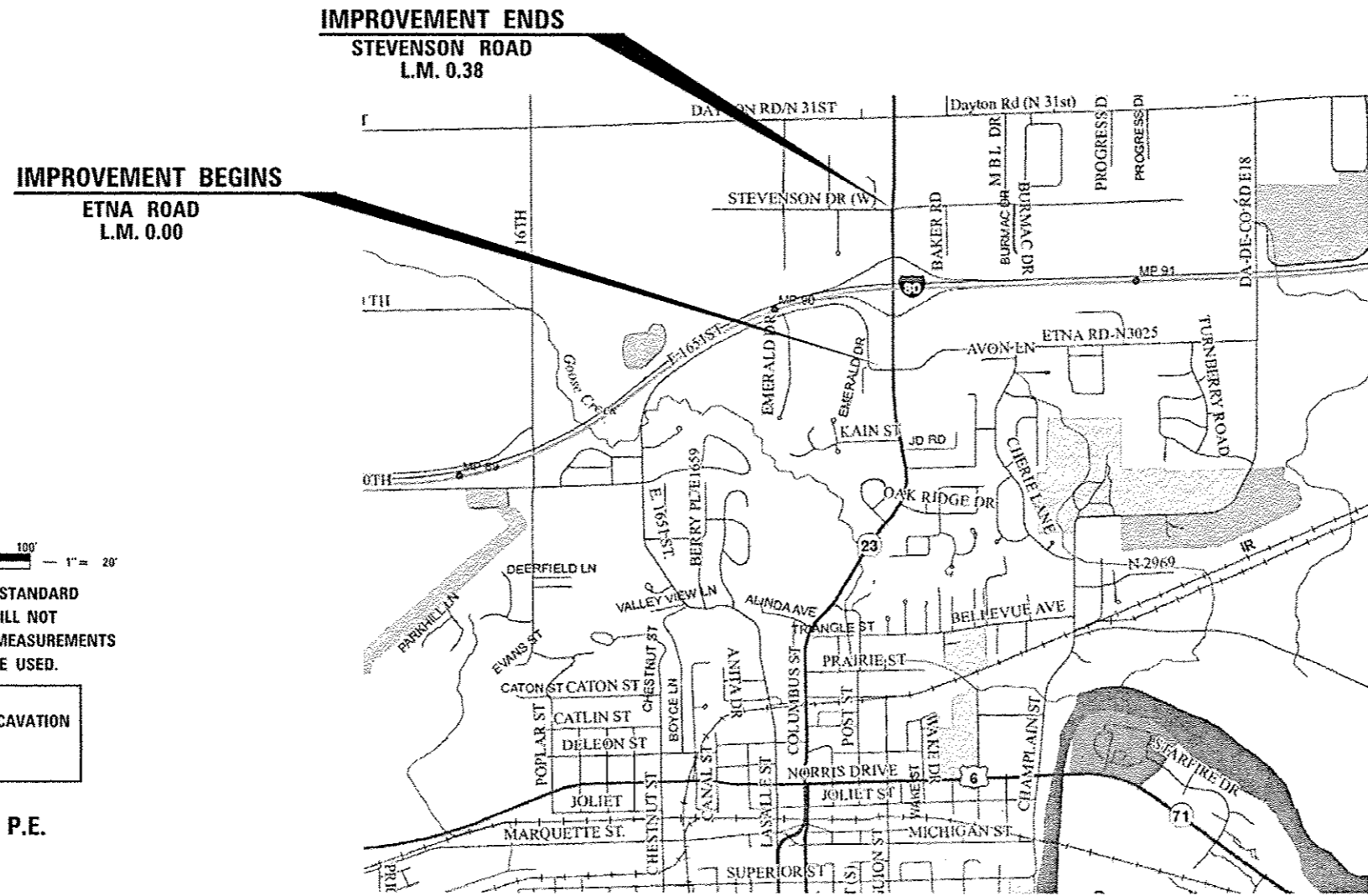
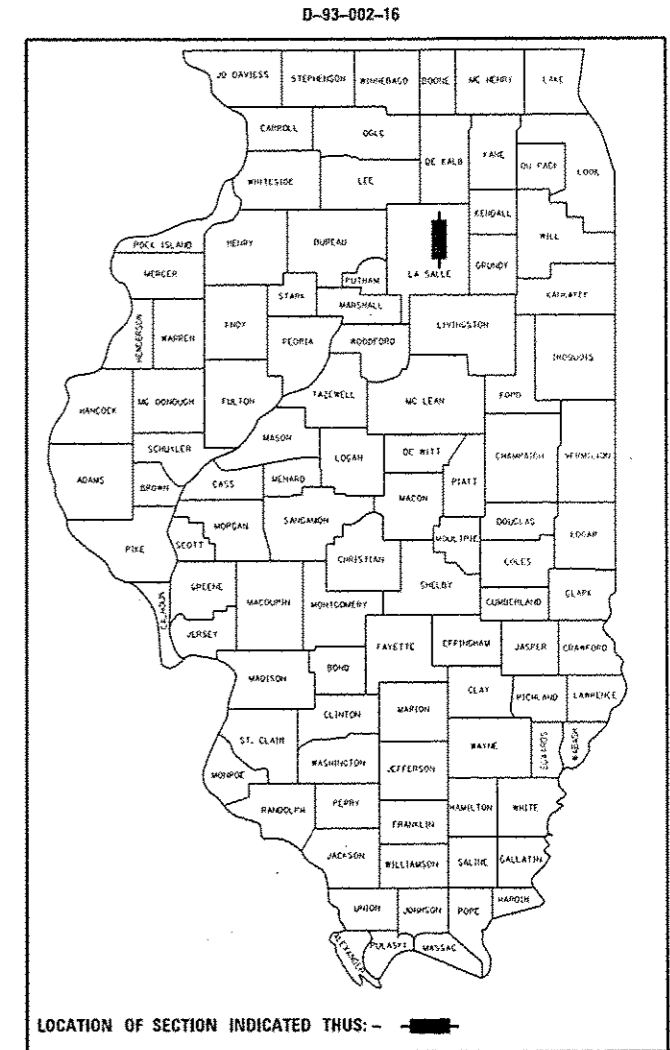
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
HIGHWAY PLANS**

**F.A.P. 68 (IL 23)
SECTION D3 PATCHING 2017-4
PAVEMENT PATCHING
LASALLE COUNTY**

C-93-076-16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	D3 PATCHING 2017-4	LASALLE	10	1
ILLINOIS			CONTRACT NO. 66F42	



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 DAYTON
CONTRACT NO. 66F42**

GROSS LENGTH = 2018 FT. = 0.38 MILE
NET LENGTH = x.xx FT. = x.xxx MILE

URBAN
OTHER ARTERIAL
FAP 68 (IL 23)
ADT YEAR = 2015

ADT	16700
P. V.	84.38%
S. U.	8.33%
M. U.	7.29%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 19 2016
Paul Coete P.E.
REGIONAL ENGINEER

July 1 2016
Muhammad M. Adis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

July 1 2016
[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.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA 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.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

DATE: May 19, 2016

SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: Tom Beovich
DISTRICT STUDIES & PLANS ENGINEER

RESIDENT ENGINEER / TECHNICIAN

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

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

Wynne Prall, Jr.
DISTRICT MATERIALS ENGINEER
Tom Hymozel
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

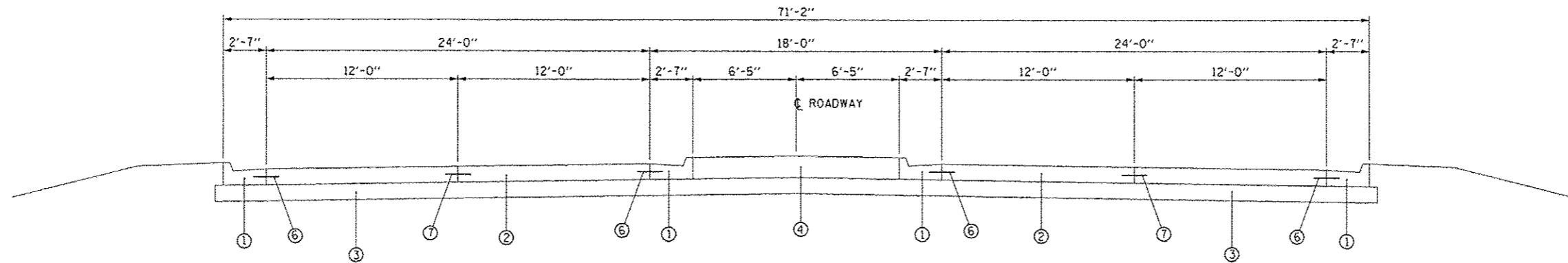
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PROJECT: <u>0366</u>	DRAWN: <u>plattschr</u>	CHECKED - <u>EP</u>	REVISED -			SCALE:	SHEET <u>1</u> OF <u>1</u> SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT			
PLOT SCALE: <u>100.0000</u>	DATE: <u>4/11/2016</u>	REVISED -	REVISED -									
PLOT DATE: <u>5/18/2016</u>	DATE: <u>4/11/2016</u>	REVISED -	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONT. MAINT.
				100% STATE
				ROADWAY
				0005
				URBAN
44200050	WELDED WIRE REINFORCEMENT	SO YD	175	175
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SO YD	96	96
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SO YD	76	76
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SO YD	99	99
44201299	DOWEL BARS 1 1/2"	EACH	380	380
44213200	SAW CUTS	FOOT	1092	1092
44213204	TIE BARS 3/4"	EACH	36	36
67100100	MOBILIZATION	LSUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1
* 88600100	DETECTOR LOOP, TYPE I	FOOT	213	213
* X8860100	LOOP DETECTOR TESTING	EACH	4	4
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	168	168

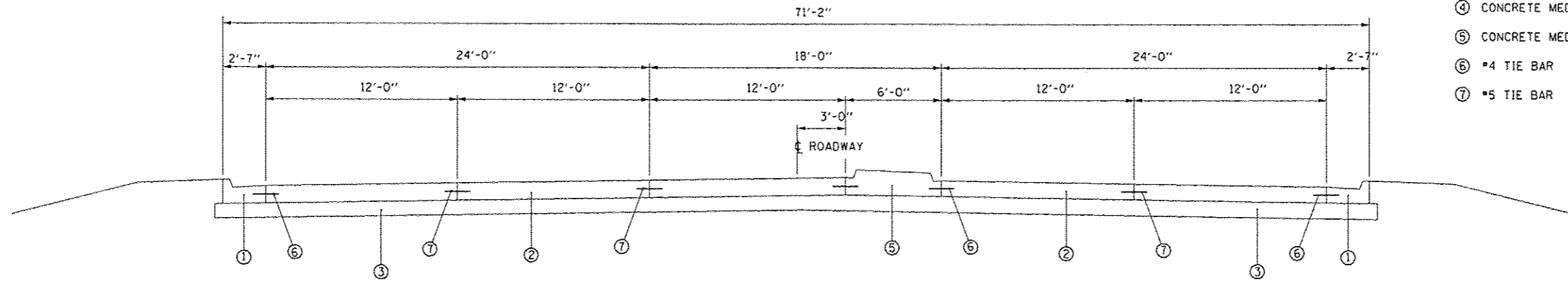
14 *SPECIALITY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				CONT. MAINT. 100% STATE
				ROADWAY
				0005
				URBAN
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	168	168
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	42

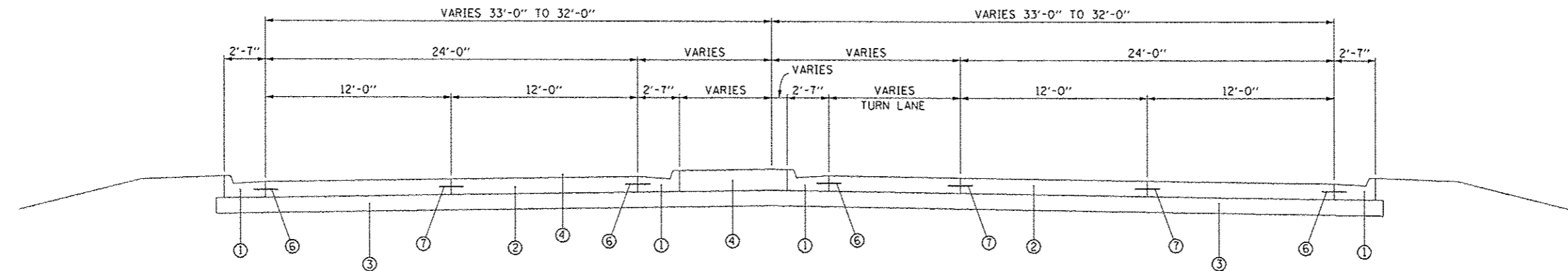
2



TYPICAL SECTION 1
 L.M. 0.00 – L.M. 0.09
 L.M. 0.24 – L.M. 0.32



TYPICAL SECTION 2
 L.M. 0.09 – L.M. 0.16
 L.M. 0.16 – L.M. 0.20 BRIDGE OMISSION
 L.M. 0.20 – L.M. 0.24



TYPICAL SECTION 3
 L.M. 0.32 – L.M. 0.38

KEY

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ② PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (HINGED JOINTED)
- ③ SUB-BASE GRANULAR MATERIAL, TYPE A-12"
- ④ CONCRETE MEDIAN, TYPE SB6.24 (DOWELLED)
- ⑤ CONCRETE MEDIAN, TYPE SB 6.06 (DOWELLED)
- ⑥ #4 TIE BAR
- ⑦ #5 TIE BAR

FILE NAME :	USER NAME : platchtr	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
path\N0046RIDNTEC\Illinois.gov\PIW001\Documents\IDOT Offices\District 3\Projects\036	DRAWN Data\0366 RW\dt-ds01s.dgn	CHECKED - EP	REVISED -			68	D3 PATCHING 2017-4	LASALLE	10	5	
Default	PLOT SCALE : 100.00%	DATE - 4/11/2016	REVISED -			CONTRACT NO. 66F42		ILLINOIS FED. AID PROJECT			
	PLOT DATE : 5/18/2015					SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

PATCHING SCHEDULE - NORTHBOUND LANES

LOCATION	PASSING LANE								DRIVING LANE							
	PATCH LENGTH	CLASS B PATCHING			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS	PATCH LENGTH	CLASS B PATCHING			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS
		TYPE II 9"	TYPE III 9"	TYPE IV 9"						TYPE II 9"	TYPE III 9"	TYPE IV 9"				
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
0.00									6	8			20	48		
0.10									25			33	20	86	33	12
0.20									15		20		20	66	20	
0.20	15		20		20	66	20		6	8			20	48		
0.20	6	8			20	48			6	8			20	48		
SUBTOTALS	46	8	20	33	60	200	53	12	52	16	20	33	80	248	53	12
NB TOTALS	98	24	40	66	140	448	106	24								

DECK SLAB REPAIR SCHEDULE - NB LANES

LOCATION	DECK SLAB REPAIR (PARTIAL)		DECK SLAB REPAIR (FULL DEPTH, TYPE II)	
	SQ YD		SQ YD	
	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE
MILE POST				
N. APPROACH	67	67	67	67
S. APPROACH	20	14	20	14
NB TOTALS	168		168	

LOOP DETECTOR SCHEDULE - NB LANES

LOCATION	DETECTOR LOOP REPLACEMENT		LOOP DETECTOR TESTING	
	FOOT		EACH	
	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE
LOG MILE				
0.2	83	73	1	1
SUBTOTAL	83	73	1	1
NB TOTAL	156		2	

PATCHING SCHEDULE - SOUTHBOUND LANES

LOCATION	TURN LANE								PASSING LANE								DRIVING LANE								
	PATCH LENGTH	CLASS B PATCHING			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS	PATCH LENGTH	CLASS B PATCHING			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS	PATCH LENGTH	CLASS B PATCHING			DOWEL BARS	SAW CUTS	WELDED WIRE REINF.	TIE BARS	
		TYPE II 9"	TYPE III 9"	TYPE IV 9"						TYPE II 9"	TYPE III 9"	TYPE IV 9"						TYPE II 9"	TYPE III 9"	TYPE IV 9"					
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH	
0.28																	6	8			20	48			
0.28									6	8			20	48			6	8			20	48			
0.18									6	8			20	48			15		20		20	66	20		
0.18									6	8			20	48			6	8			20	48			
0.18	6	8			20	48																			
0.18	12		16		20	60	16																		
0.08																	25				33	20	86	33	12
0.08									6	8			20	48			6	8			20	48			
SUBTOTALS	18	8	16		40	108	16		18	24			60	144			70	40	20	33	140	392	53	12	
SB TOTALS	106	72	36	33	240	644	69	12																	

LOOP DETECTOR SCHEDULE - SB LANES

LOCATION	DETECTOR LOOP REPLACEMENT			LOOP DETECTOR TESTING		
	FOOT			EACH		
	LEFT TURN LANE	PASSING LANE	DRIVING LANE	LEFT TURN LANE	PASSING LANE	DRIVING LANE
LOG MILE						
0.38			57			1
0.18	70			1		
SUBTOTAL			57	1		1
SB TOTAL			57		2	

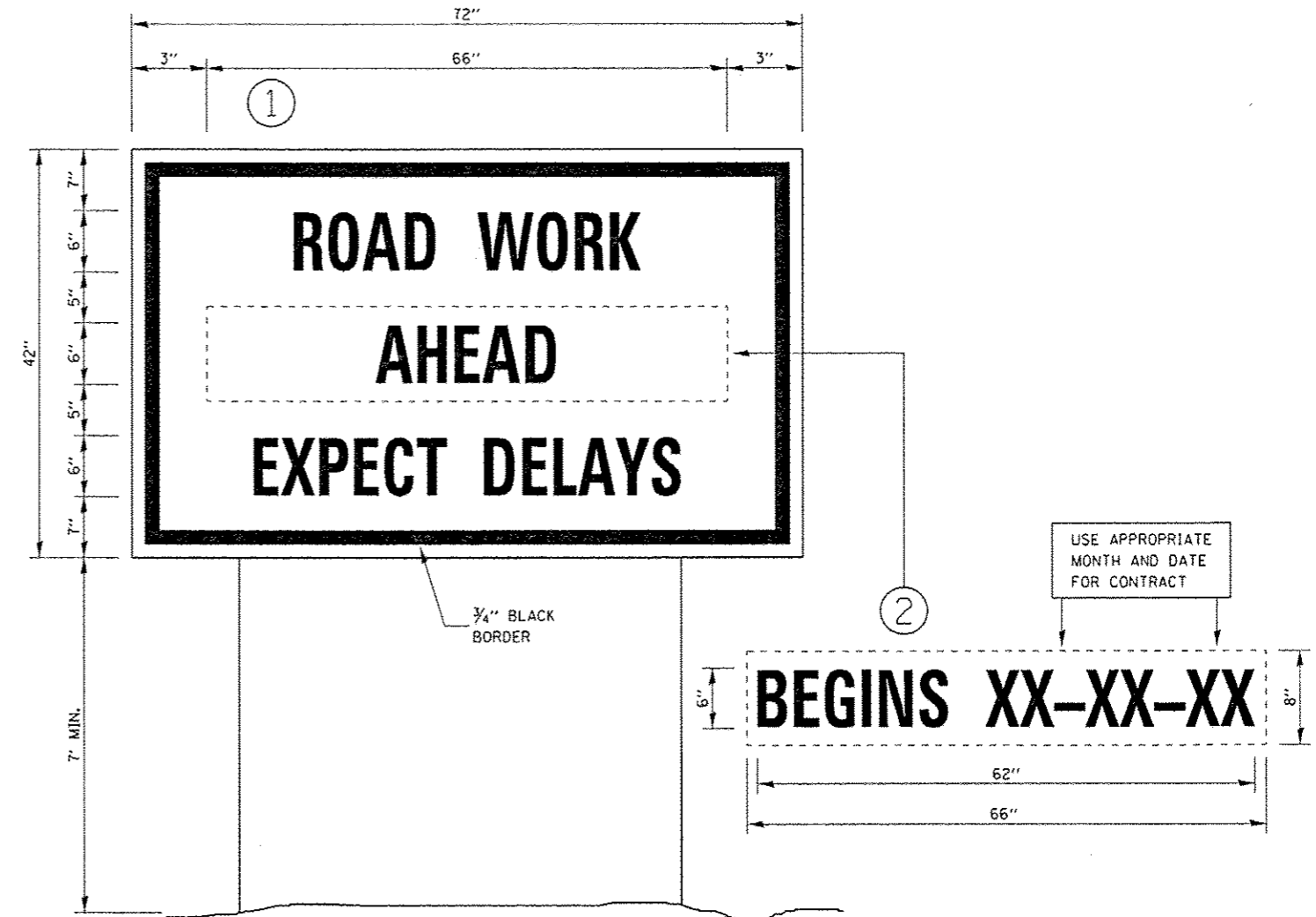
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68	D3 PATCHING 2017-4	LASALLE	10	6
CONTRACT NO. 66F42			ILLINOIS FED. AID PROJECT	

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

FILE NAME	USER NAME	DESIGNED	REVISED
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		EP	-
		CHECKED	REVISED
		EP	-
		DATE	REVISED
		4/11/2016	-

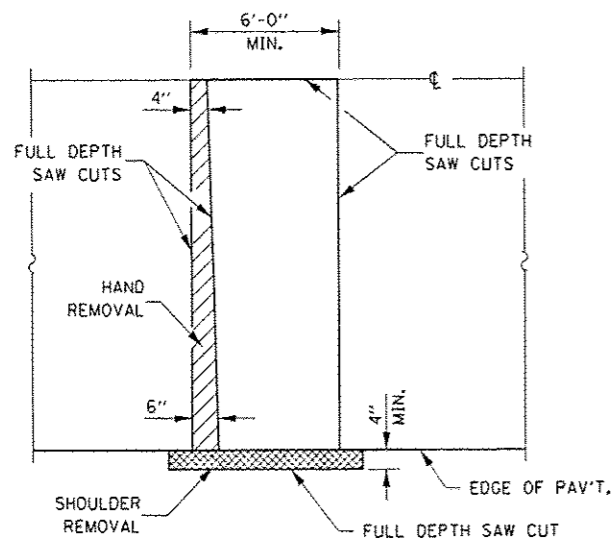


TEMPORARY INFORMATION SIGNING

NOTES:

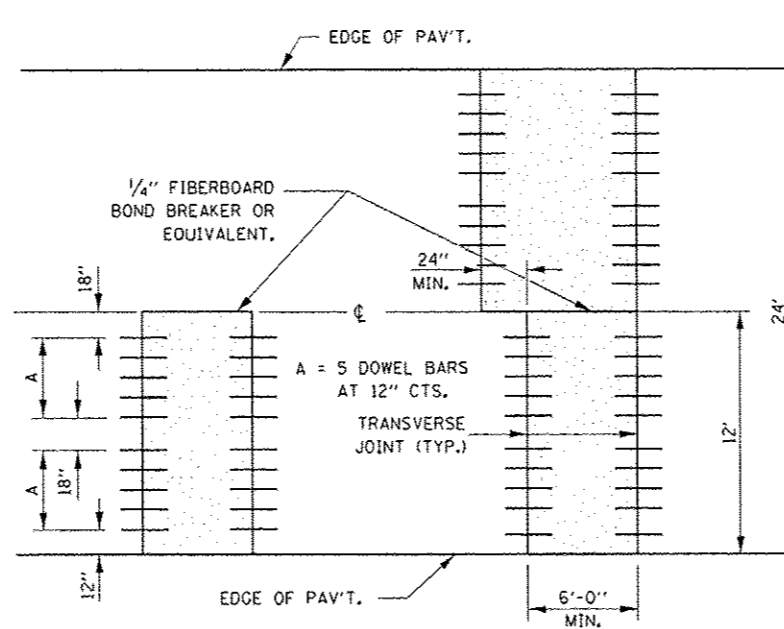
1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.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

FILE NAME :	USER NAME :	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INFORMATION SIGNING DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default:	PLOT SCALE :	CHECKED -	REVISED -			CONTRACT NO. 66F42		ILLINOIS FED. AID PROJECT			
	PLOT DATE :	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

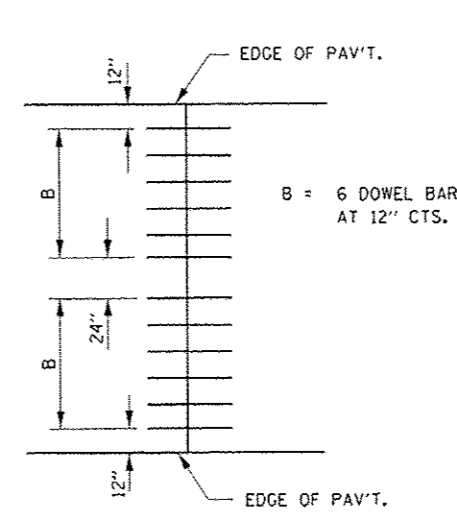


PAVEMENT SAWING DETAIL

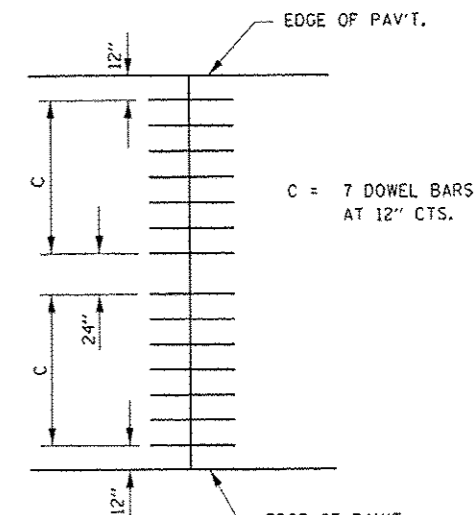
(HMA SHOULDER)



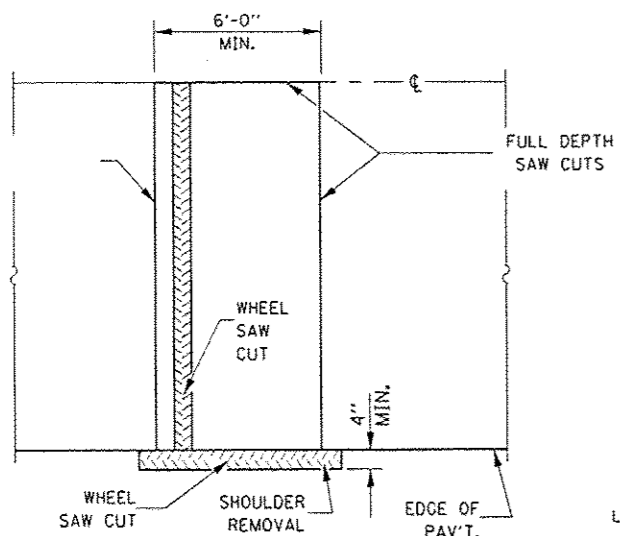
12' WIDE LANES



14' WIDE RAMP

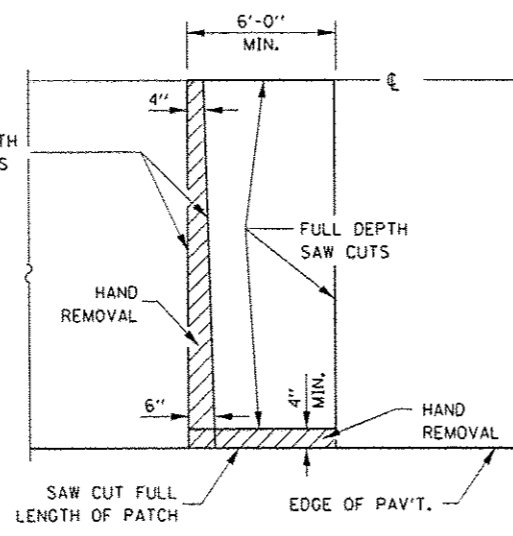


16' WIDE RAMP



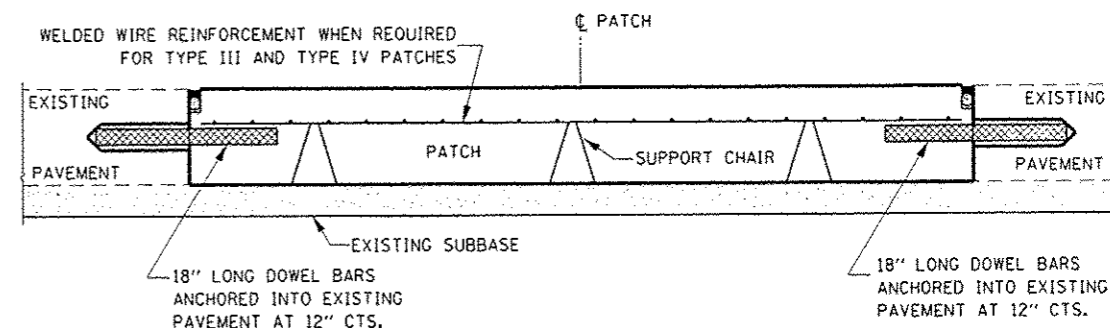
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

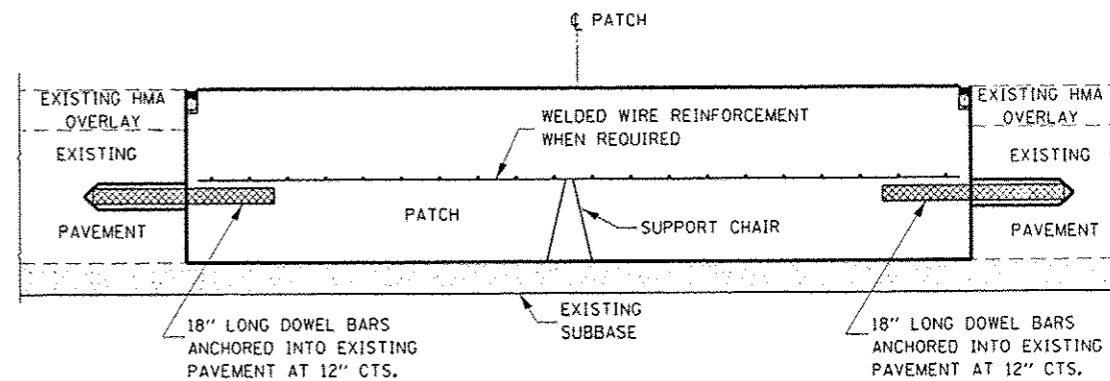


PAVEMENT SAWING DETAIL

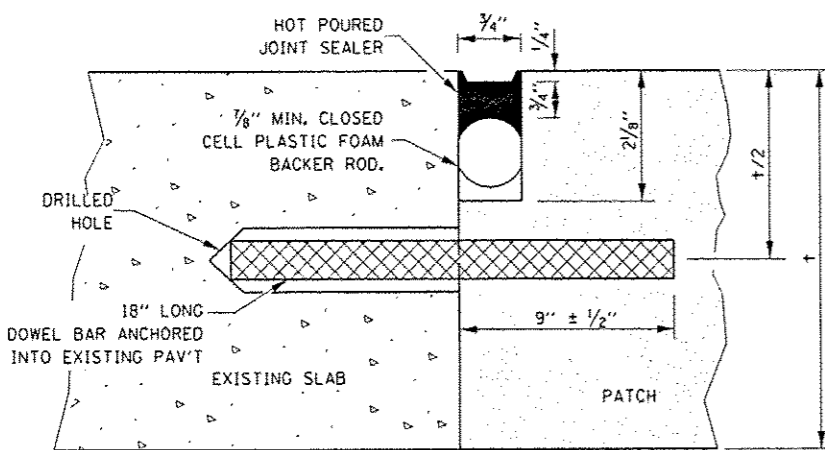
(PCC SHOULDER)



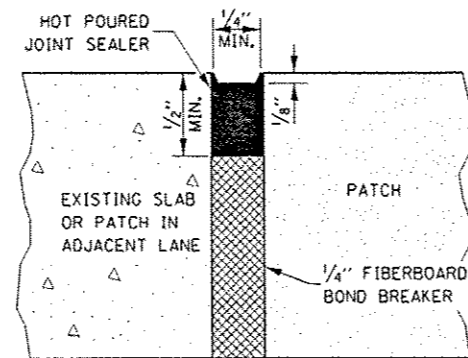
PATCHING WITHOUT HMA OVERLAY



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 ADJECENT LANE WHENEVER POSSIBLE.
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.

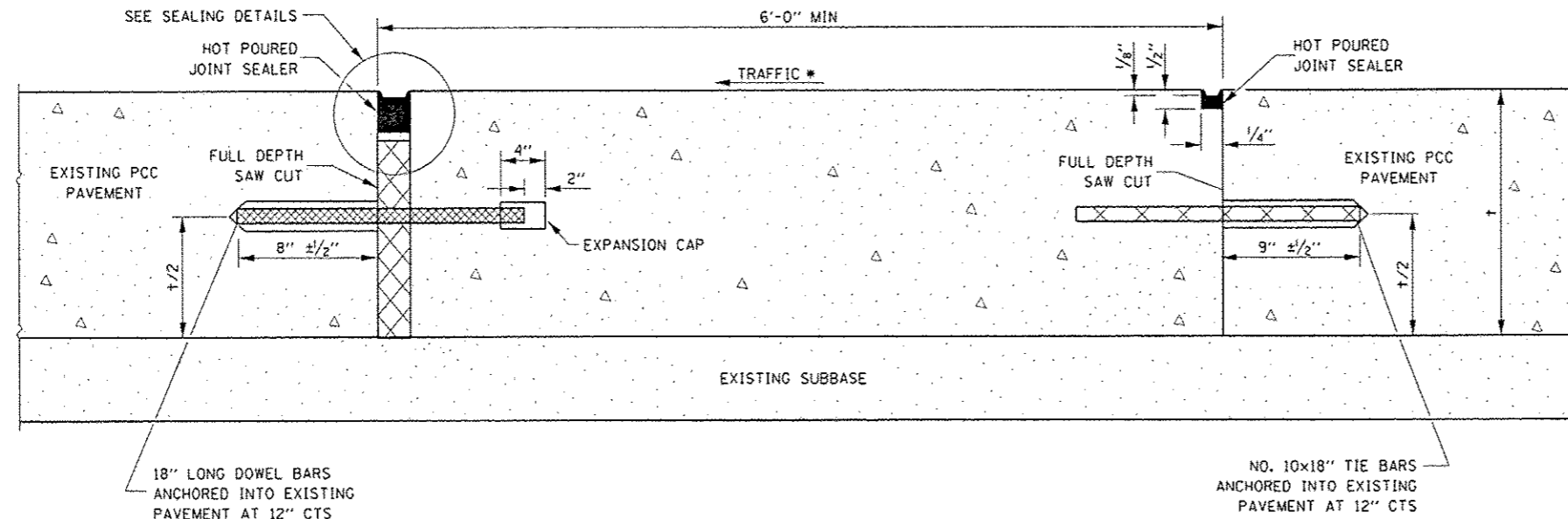
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLASS B PATCHING DETAILS

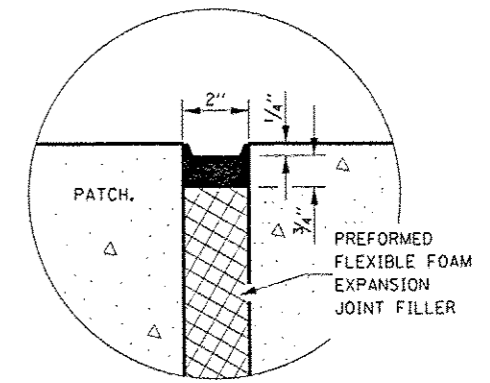
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 68	SECTION 03 PATCHING 2017-4	COUNTY LASALLE	TOTAL SHEETS 10	SHEET NO. 8
CONTRACT NO. 66F42				
ILLINOIS FED. AID PROJECT				

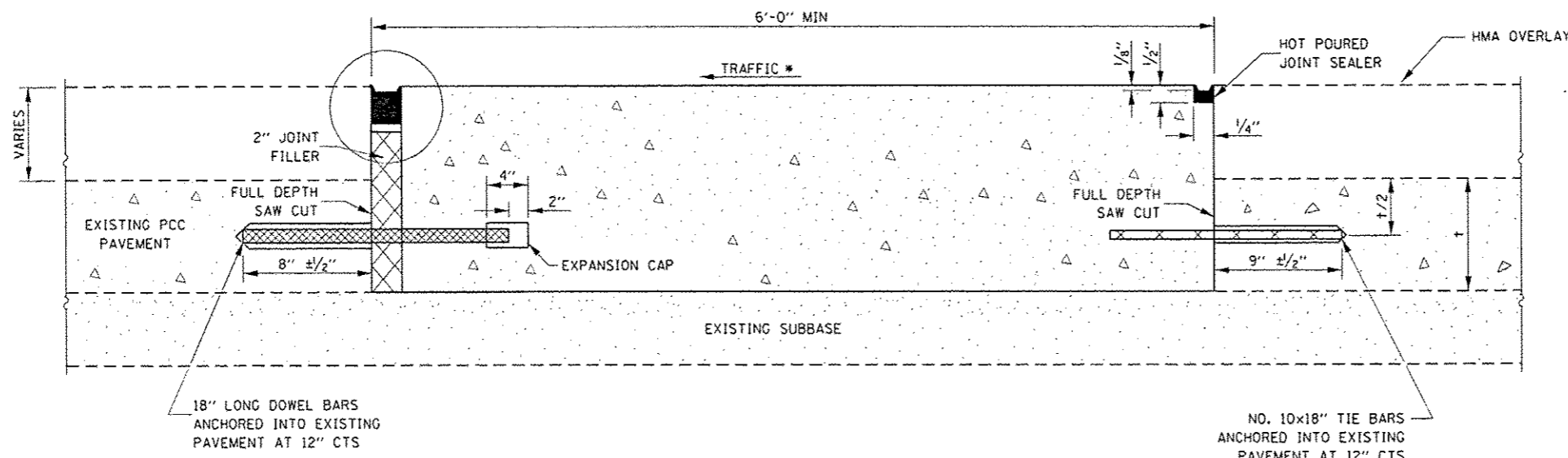
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PROJECT: I-55 DISTRICT 3 PROJECT 0366	PROJECT: I-55 DISTRICT 3 PROJECT 0366	CHECKED - EP	REVISED -
PLDT SCALE: 1/8" = 1'-0"	PLDT DATE: 5-18-2016	DATE: 4/11/2016	REVISED -



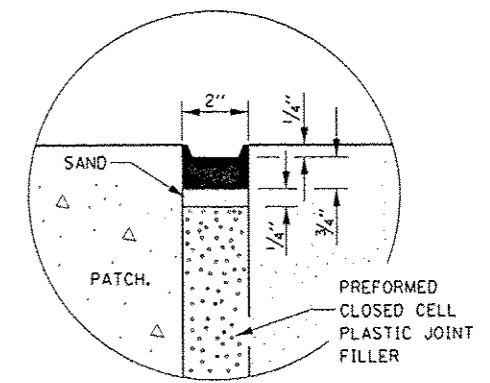
METHOD I
(WITHOUT HMA OVERLAY)



SEALING DETAIL



METHOD II
(WITH HMA OVERLAY)

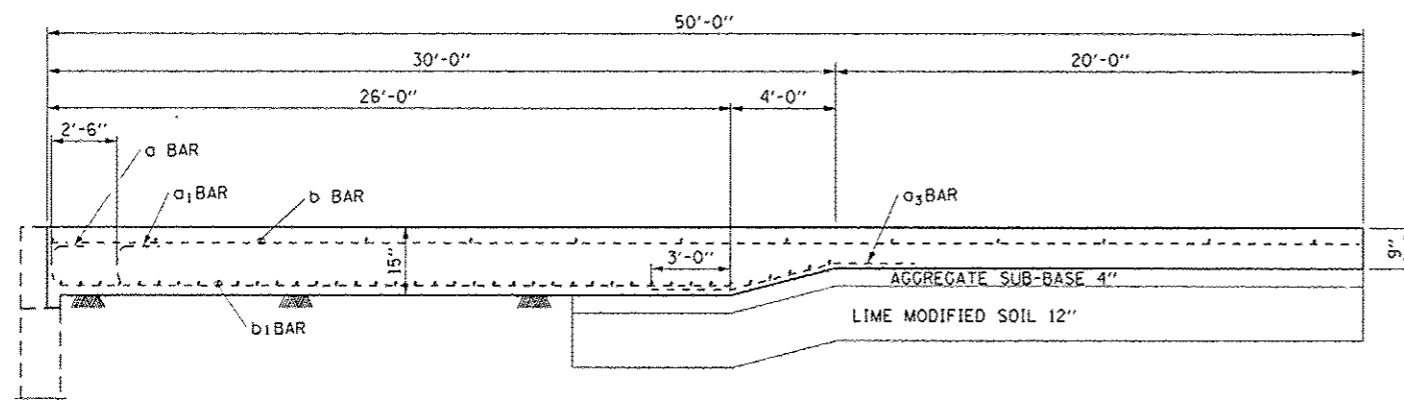


SEALING DETAIL

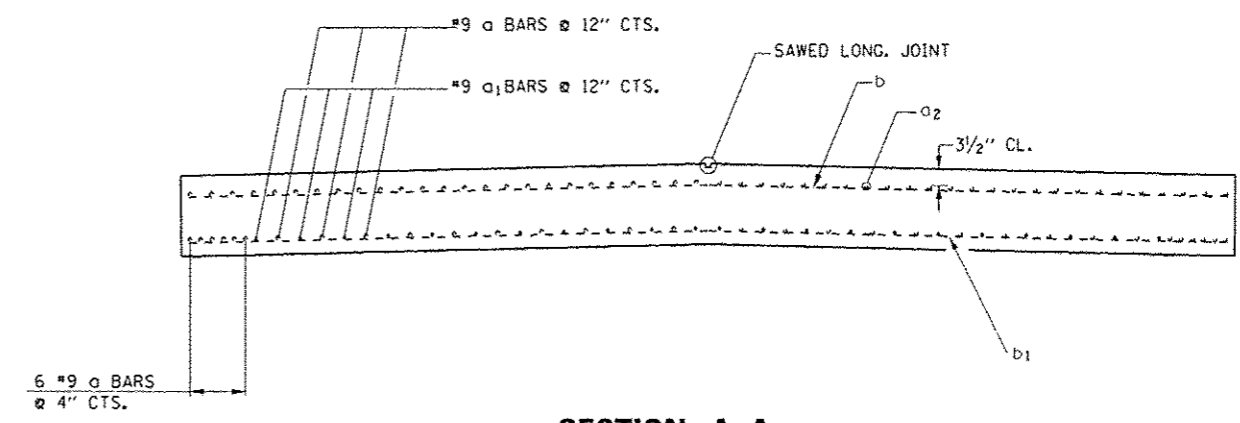
NOTE

* 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.

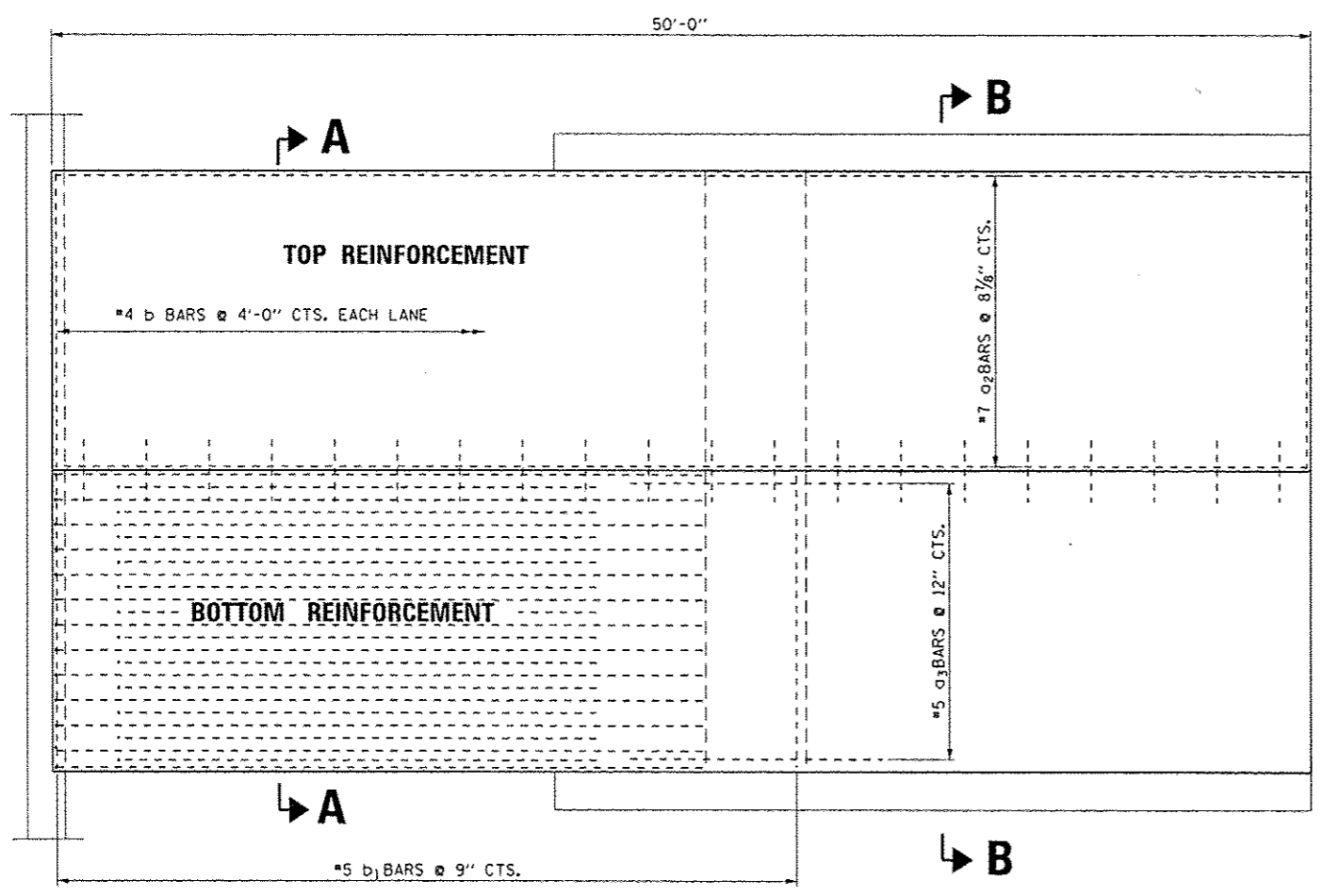
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PLD1 SCALE: 1/8" = 1'-0"	CHECKED: EP	DATE: 4/11/2016	REVISED:			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 66F42				
PLD1 DATE: 5/19/2016												



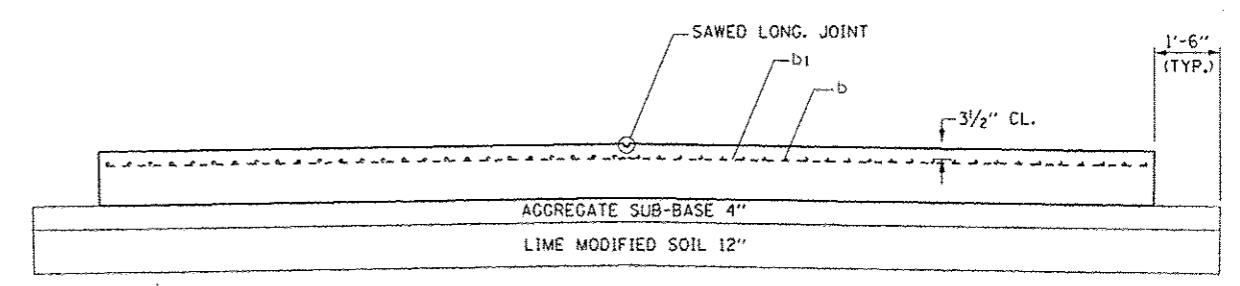
LONGITUDINAL CROSS SECTION



SECTION A-A



PLAN



SECTION B-B

FOR INFORMATION ONLY

FILE NAME =	USER NAME = pletchtr	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH PAVEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100,0000 1:1	CHECKED - EP	REVISED -			CONTRACT NO. 66F42				
	PLOT DATE = 5-18-2016	DATE - 4/11/2016	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.										