SECTION 07-31-2020 LETTING ITEM 018 STATE OF ILLINOIS (651)PP KENDALL 12 CONTRACT NO. 66K96 **INDEX OF SHEETS** COVER SHEET **DEPARTMENT OF TRANSPORTATION** GENERAL NOTES D-93-045-20 3 - 4. SUMMARY OF QUANTITIES TYPICAL SECTION SCHEDULES CLASS B PATCHING DETAILS TYPICAL PAVEMENT MARKING **PROPOSED** TEMPORARY INFORMATION SIGNING **STANDARDS HIGHWAY PLANS** 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 001006 DECIMAL OF AN INCH AND OF A FOOT 420001-09 PAVEMENT JOINTS 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM 701101-05 F.A.P. 311 (US 34) PAVEMENT EDGE 701427-05 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION. FOR SPEEDS < 40 MPH SECTION (651)PP URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL 701602-10 LEFT TURN LANE URBAN LANE CLOSURE, MULTILANE INTERSECTION 701701-10 **PAVEMENT PATCHING** 701901-08 TRAFFIC CONTROL DEVICES **IMPROVEMENT ENDS** 886001-01 **DETECTOR LOOP INSTALLATIONS** 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS 500' WEST OF KENDALL COUNTY US 34 /US 30 INTERSECTION C-93-081-20 (L.M. 2.80) WEISBROOK DR KENSINGTON DRIVE **IMPROVEMENT BEGINS** MARNEL RD 0.10 MILE WEST OF **BOULDER HILL PASS** FARMINGTON LAKES DI (L.M. 0.00) LOCATION OF SECTION INDICATED THUS: - -ESSEX FUNCTIONAL CLASSIFICATION BARNABY DR TREASUI OTHER ARTERIAL OLD POST RD FAP 311 (US 34) ADT YEAR = 2019 93.65% P. V. 3, 96% S. U. M. U. STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BLUEGRASS PKWY SSAMINE DRIVE 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. PRINTED BY THE AUTHORITY UNIT CHIEF RON WOODSHANK OF THE STATE OF ILLINOIS DISTRICT 3 NO. (815) 434-6131 GROSS LENGTH = 14784 FT. = 2.80 MILE **CONTRACT NO. 66K96** NET LENGTH = 677 FT. = 0.13 MILE

0

0

0

0

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.

TRAFFIC SIGNAL NOTES

THE DISTRICT 3 TRAFFIC SIGNAL UNIT IN THE BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOPS.

4 TURNS REQUIRED ON ALL DETECTOR LOOPS. EXCEPT 6 TURNS FOR ADVANCE 6' X 6' DETECTOR LOOPS.

 6^{\prime} X 20^{\prime} TYPICAL DETECTOR LOOPS WITH 6^{\prime} SPACING 10^{\prime} FROM PROJECTED EDGE LINE OR STOP BARS.

6' X 6' TYPICAL DETECTOR FOR ADVANCE LOOPS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SCALE:

		AS DUILT INFURMATION	
	DATE:		
		SUPERVISING CONSTRUCTION FIELD ENGINEER	
	PREPARED BY:		
DISTRICT STUDIES & PLANS ENGINEER		RESIDENT ENGINEER / TECHNICIAN	
	EXAMINED BY:		TART & END DATES OF CONSTRUCTION:
DISTRICT CONSTRUCTION ENGINEER			or construction:
			INSPECTORS:
DISTRICT MATERIALS ENGINEER			
DISTRICT OPERATIONS ENGINEER			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SHEET 1 OF 1 SHEETS STA._____ TO STA.____

COMMITMENTS

CONSTR. CODE CONT. MAINT. 100% STATE

				100% STATE
				ROADWAY
CODE			TOTAL	0005
NO.	ITEM	UNIT	QUANT I TY	URBAN
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	45	45
44200050	WELDED WIRE REINFORCEMENT	SQ YD	833	833
44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	136	136
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	238	238
44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	595	595
44200904	CLASS & PATCHES, TIPE IV, 9 INCH	30 10	393	793
44201299	DOWEL BARS 1 1/2"	EACH	820	820
44213200	SAW CUTS	FOOT	2830	2830
44242204	TIS DADS 2/4H	54611	202	202
44213204	TIE BARS 3/4"	EACH	203	203
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	45	45
67100100	MOBILIZATION	LSUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	170	170
*SPECIAL	ITY ITEMS	1	1	

Ė	FILE NAME =	USER NAME = mariniej	DESIGNED -	EM	REVISED
,			DRAWN -	EM	REVISED
9		PLOT SCALE = 3.9370 '/ mm	CHECKED -	RW	REVISED
	Default	PLOT DATE = 4/9/2020	DATE -	4/9/2020	REVISED

STATE OF ILLI	NOIS
DEPARTMENT OF TRAN	ISPORTATION

	5	SUI	VIIV	OF Q	UANTITIES			
SCALE:	SH	EET	1	OF	2	SHEETS	STA	TO STA

F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHE
311	(651)PP		KENDALL	12	3
			CONTRACT	NO. 6	6K9
	ILLINOIS F	ED. AI	D PROJECT		

CONT. MAINT 100% STATE
CONSTR. COD

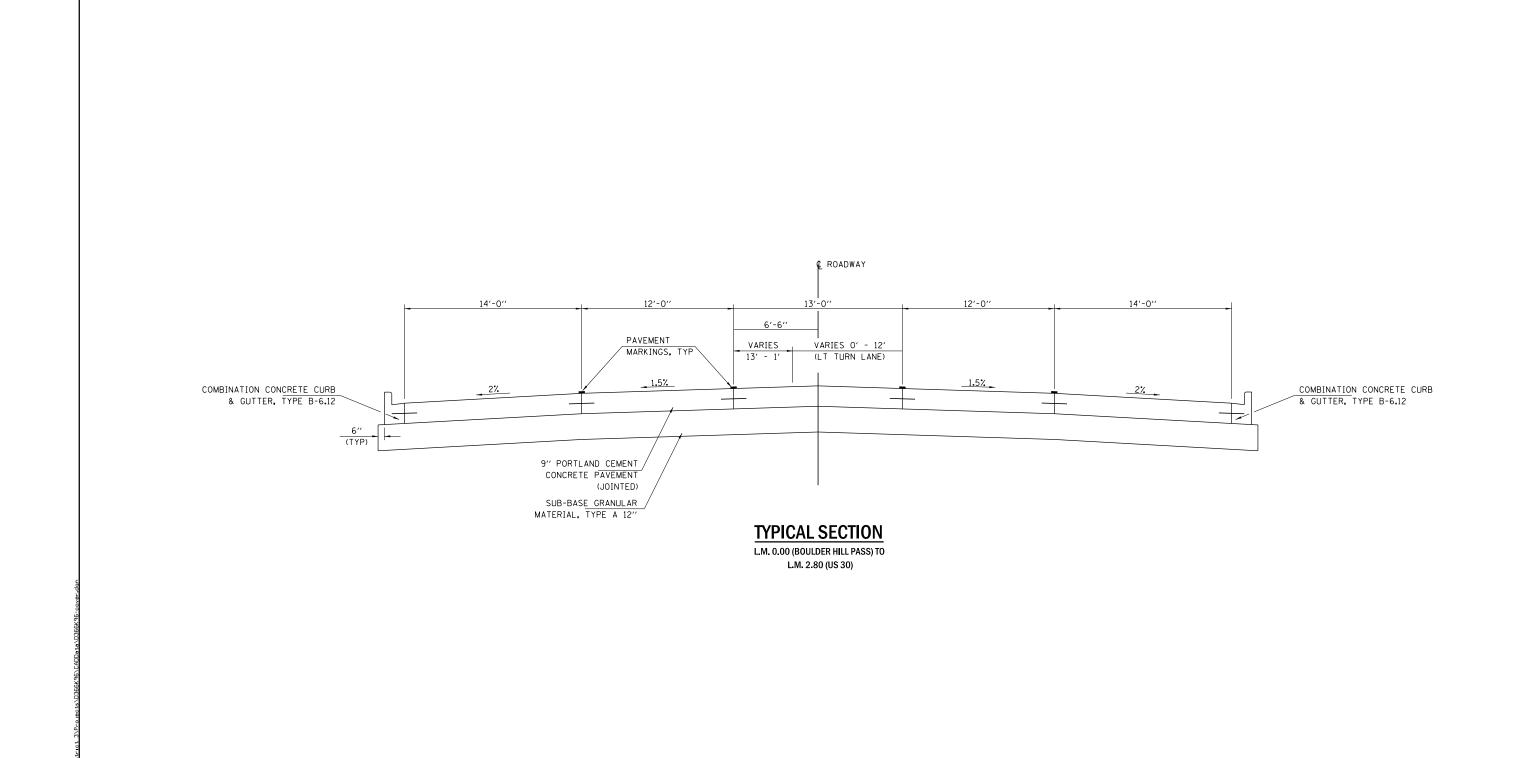
				,	100% STATE
					ROADWAY
	CODE			TOTAL	0005
	NO.	ITEM	UNIT	QUANTITY	URBAN
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	502	502
*	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	205	205
*	88600100	DETECTOR LOOP, TYPE I	FOOT	375	375
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	420	420
*	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	205	205
*	X8860100	LOOP DETECTOR TESTING	EACH	6	6
*	X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2	2
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
	*SPECIAL	ITY ITEMS			

*SPECIALITY ITEMS

FILE NAME =	USER NAME = mariniej	DESIGNED -	EM	REVISED
or control of the con		DRAWN -	EM	REVISED
19	PLOT SCALE = 3.9370 '/ mm	CHECKED -	RW	REVISED
Default	PLOT DATE = 4/17/2020	DATE -	4/17/2020	REVISED
-				

SCALE:

OURARA DV. OF OURANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES	311	(651)PP	KENDALL	12	4
			CONTRACT	r NO. 6	6K96
SHEET 2 OF 2 SHEETS STA TO STA		ILLINOIS FED. AI	D PROJECT		



FILE NAME = USER NAME = mariniej DESIGNED - EM REVISED -STATE OF ILLINOIS TYPICAL SECTION DRAWN - EM REVISED PLOT SCALE = 3.9370 '/ mm **DEPARTMENT OF TRANSPORTATION** CHECKED - RW REVISED PLOT DATE = 4/22/2020 DATE - 4/22/2020 REVISED SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. COUNTY SHEETS NO.

KENDALL 12 5

CONTRACT NO. 66K96

F.A.P. RTE. 311

SECTION

(651)PP

DETECTOR LOOP SCHEDULE EASTBOUND LANES

	E/13 1 BOOMB E/114E3							
LOCATION	DETECTOR LO	OOP, TYPE I	LOOP DETECTOR TESTING					
STREET	FO	ОТ	FC	ООТ				
	DRIVING LANE PASSING LANE		DRIVING LANE	PASSING LANE				
BOULDER HILL PASS	56	69	1	1				
5™ STREET	56	56 69		1				
SUBTOTALS	TALS 112 138		2 2					
TOTALS	250		4					

PATCHING SCHEDULE - EASTBOUND LANES

TATION SCIENCE EASTROOMS EARLES										
DRIVING LANE										
LOCATION	PATCH	(CLASS B		DOWEL	SAW	WELDED	TIE		
	LENGTH	TYPE	TYPE	TYPE	BARS	CUTS	WIRE	BARS		
		ΙΙ	III	ΙV	1 1/2"		REINF.	3/4"		
		9"	9"	9"						
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH		
0.0	7	11			20	50				
0.2	7	11			20	50				
1.0	26			40	20	88	40	13		
1.5	26			40	20	88	40	13		
2.0	26			40	20	88	40	13		
2.7	7	11			20	50				
2.8	10		16		20	56	16			
TOTALS	109	33	16	120	140	470	136	39		

PATCHING SCHEDULE - EASTBOUND LANES

PASSING LANE											
LOCATION	PATCH	(CLASS B			SAW	WELDED	TIE			
	LENGTH	TYPE TYPE TYPE			BARS	CUTS	WIRE	BARS			
		III III IV		1 1/2"		REINF.	3/4"				
		9" 9" 9"									
LOG MILE	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH			
0.0	7				20	50					
0.2	7	9			20	50					
1.0	26			35	20	88	35	13			
1.5	26			35	20	88	35	13			
1.9	15		20		20	66	20				
2.0	26			35	20	88	35	13			
2.0	24			32	20	84	32	12			
2.8	10	13			20	56					
TOTALS	141	22	20	137	160	570	157	51			

PATCHING SCHEDULE - EASTBOUND LANES

	CENTER LANE											
LOCATION	PATCH	CLASS B		DOWEL	SAW	WELDED	TIE					
	LENGTH	TYPE TYPE		BARS	CUTS	WIRE	BARS					
		ΙΙ	ΙV	1 1/2"		REINF.	3/4"					
		9"	9"									
LOG MILE	(FT)	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH					
2.0	24		35	20	84	35	12					
2.6	7	10		20	50							
TOTALS	31	10	35	40	134	35	12					

ň						
Ë	FILE NAME =	USER NAME = mariniej	DESIGNED -	EM	REVISED	
o'r			DRAWN -	EM	REVISED	
γď		PLOT SCALE = 3.9370 '/ mm	CHECKED -	RW	REVISED	
, , , ,	Default	PLOT DATE = 4/9/2020	DATE -	4/9/2020	REVISED	

STATE	0F	ILLINOIS
DEPARTMENT O)F T	RANSPORTATION

COUEDINES FACTROUND	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCHEDULES - EASTBOUND	311	(651)PP	KENDALL	12	6	
				CONTRACT	NO. 6	6K96
SHEET 1 OF 2 SHEETS STA.	TO STA.		TILLINOIS FED. AT	D PROJECT		

PATCHING SCHEDULE - WESTBOUND LANES

	DRIVING LANE									PASSING LANE							
LOCATION	PATCH	(CLASS B		DOWEL	SAW	WELDED	TIE	LOCATION	PATCH	(CLASS B		DOWEL	SAW	WELDED	TIE
	LENGTH	TYPE	TYPE	TYPE	BARS	CUTS	WIRE	BARS		LENGTH	TYPE	TYPE	TYPE	BARS	CUTS	WIRE	BARS
		ΙΙ	III	ΙV	1 1/2"		REINF.	3/4"			ΙI	III	ΙV	1 1/2"		REINF.	3/4"
		9"	9"	9"							9"	9 "	9"				
STATION	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH	STATION	(FT)	SQ YD	SQ YD	SQ YD	EACH	FOOT	SQ YD	EACH
2.6	30			47	20	96	47	15	2.6	15		20		20	66	20	
2.5	30			47	20	96	47	15	2.5	15		20		20	66	20	
2.4	7	11			20	50			2.4	7	9			20	50		
2.4	14		22		20	64	22		2.4	30			40	20	96	40	15
2.4	26			40	20	88	40	13	2.4	26			35	20	88	35	13
2.2	7	11			20	50			2.2	7	9			20	50		
2.1	30			47	20	96	47	15	2.1	15		20		20	66	20	
1.9	10		16		20	56	16		1.9	10	13			20	56		
1.1	30			47	20	96	47	15	1.7	15		20		20	66	20	
0.8	14		22		20	64	22		1.3	7	9			20	50		
0.1	14		22		20	64	22		0.8	15		20		20	66	20	
									0.5	7	9			20	50		
									0.1	15		20		20	66	20	
TOTALS	212	22	82	228	220	820	310	73	TOTALS	184	49	120	75	260	836	195	28

DETECTOR LOOP SCHEDULE WESTBOUND LANES

11231200112											
LOCATION	DETECTOR LO	OOP, TYPE I	LOOP DETECTOR TESTING								
STREET	FC	ОТ	FOOT								
DRIVING LANE		PASSING LANE	DRIVING LANE	PASSING LANE							
5™ STREET	56	69	1	1							
SUBTOTALS	56	69	1	1							
TOTALS	1:	25	2								

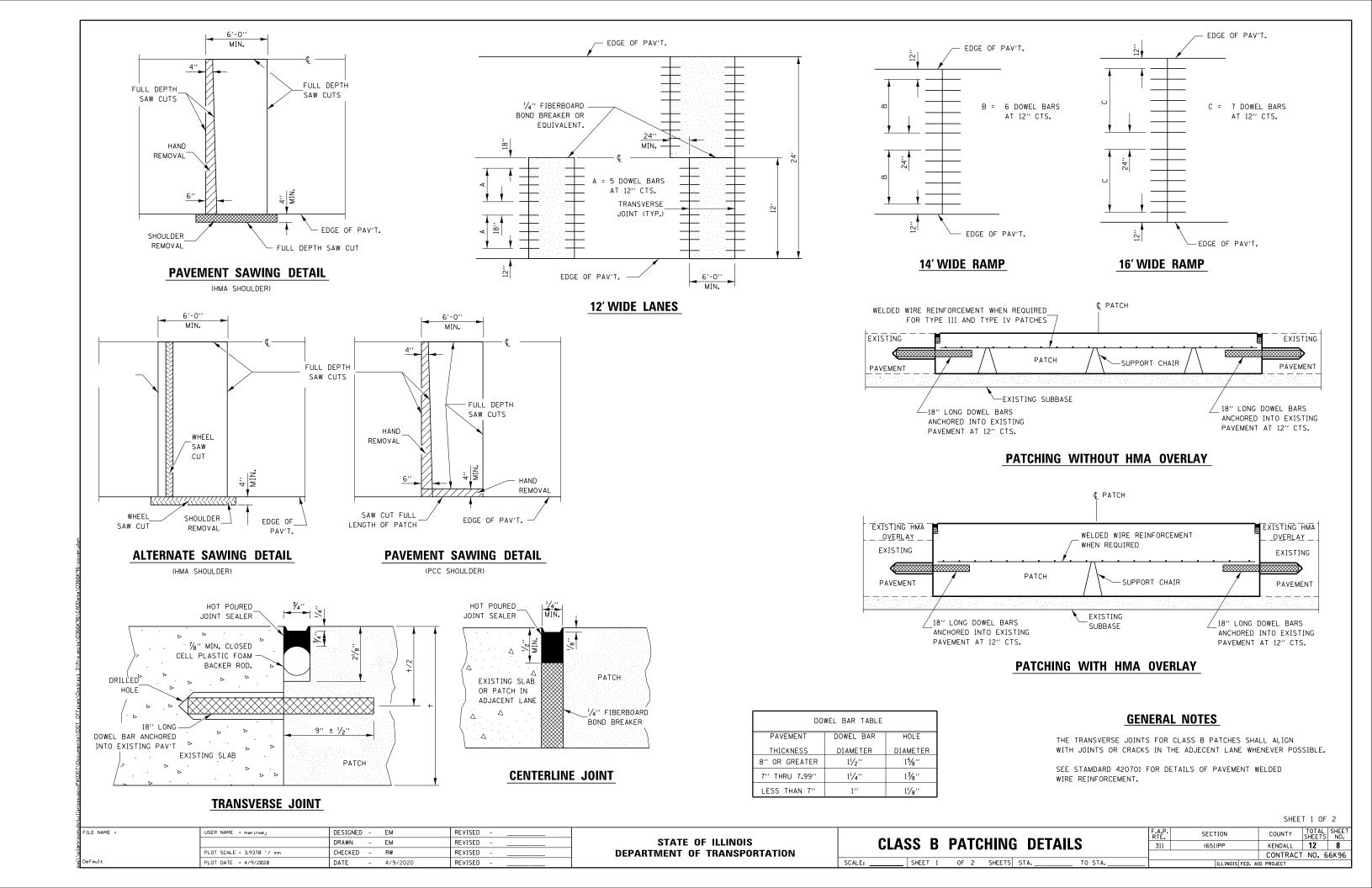
CURB & GUTTER SCHEDULE WESTBOUND LANES

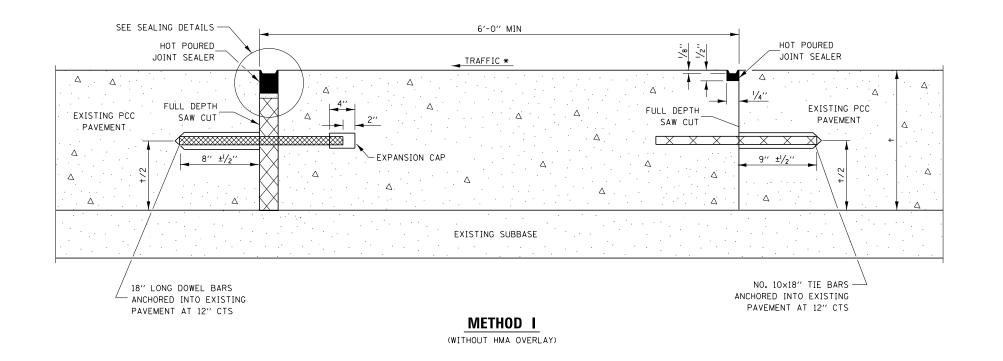
LOCATION	COMBINATION	COMBINATION
	CURB &	CONCRETE
	GUTTER	CURB &
	REMOVAL	GUTTER
		TY. B-6.12
STATION	FEET	FEET
1,1	10	10
0.1	35	35
TOTALS	45	45

- 17					
E	FILE NAME =	USER NAME = mariniej	DESIGNED -	EM	REVISED
o'L			DRAWN -	EM	REVISED
j		PLOT SCALE = 3.9370 '/ mm	CHECKED -	RW	REVISED
: MC	Default	PLOT DATE = 4/9/2020	DATE -	4/9/2020	REVISED

SCALE:

COUEDINES WEST COUNTY LANGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULES - WESTBOUND LANES	311	(651)PP	KENDALL	12	7
			CONTRACT	NO. 6	6K96
SHEET 2 OF 2 SHEETS STA TO STA		ILLINOIS FED. AI	D PROJECT		





6'-0" MIN

TRAFFIC *

EXISTING SUBBASE

METHOD II (WITH HMA OVERLAY)

-EXPANSION CAP

2" JOINT

SAW CUT

18" LONG DOWEL BARS

PAVEMENT AT 12" CTS

ANCHORED INTO EXISTING

. FULL DEPTH

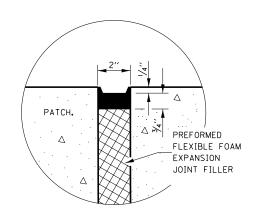
Δ

Δ

EXISTING PCC

PAVEMENT

FILLER



SEALING DETAIL

- HMA OVERLAY

HOT POURED JOINT SEALER

NO. 10×18" TIE BARS —

ANCHORED INTO EXISTING

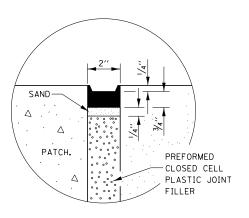
PAVEMENT AT 12" CTS

. À

FULL DEPTH

SAW CUT

Δ



SEALING DETAIL

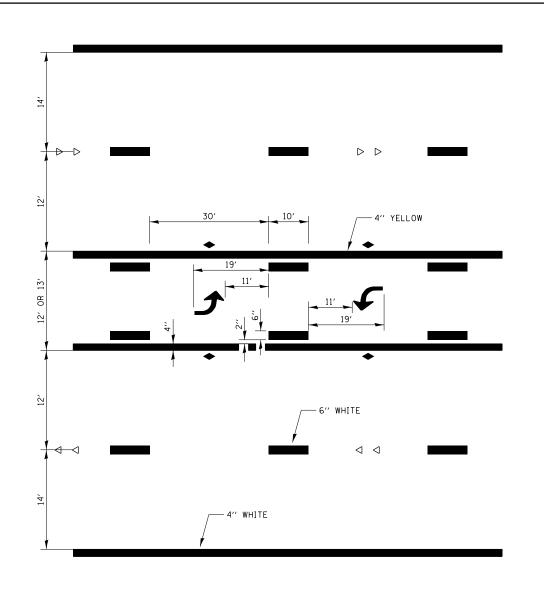
* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT

NOTE

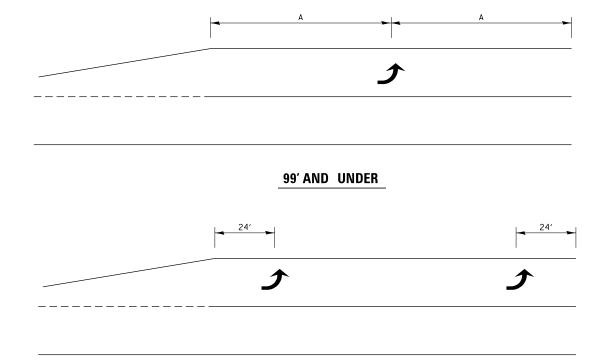
THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

SHEET	2	O۲	2	

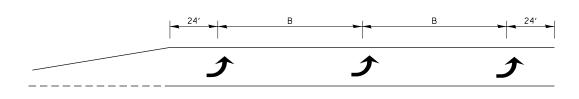
FILE NAME =	USER NAME = mariniej	DESIGNED - EM	REVISED			F.A.P.	SECTION	COUNTY	TOTAL S	IEET
on c		DRAWN - EM	REVISED	STATE OF ILLINOIS	CLASS B PATCHING DETAILS	311	(651)PP	KENDALL	12	9
3	PLOT SCALE = 3.9370 '/ mm	CHECKED - RW	REVISED	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 661	.96
g Default	PLOT DATE = 4/9/2020	DATE - 4/9/2020	REVISED		SCALE: SHEET 2 OF 2 SHEETS STA TO STA		ILLINOIS FED. A	ID PROJECT		



TYPICAL APPLICATION TWO WAY LEFT TURN LANE (TWLTL)

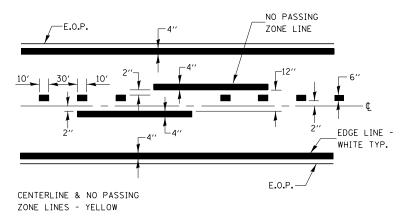


100' TO 149'



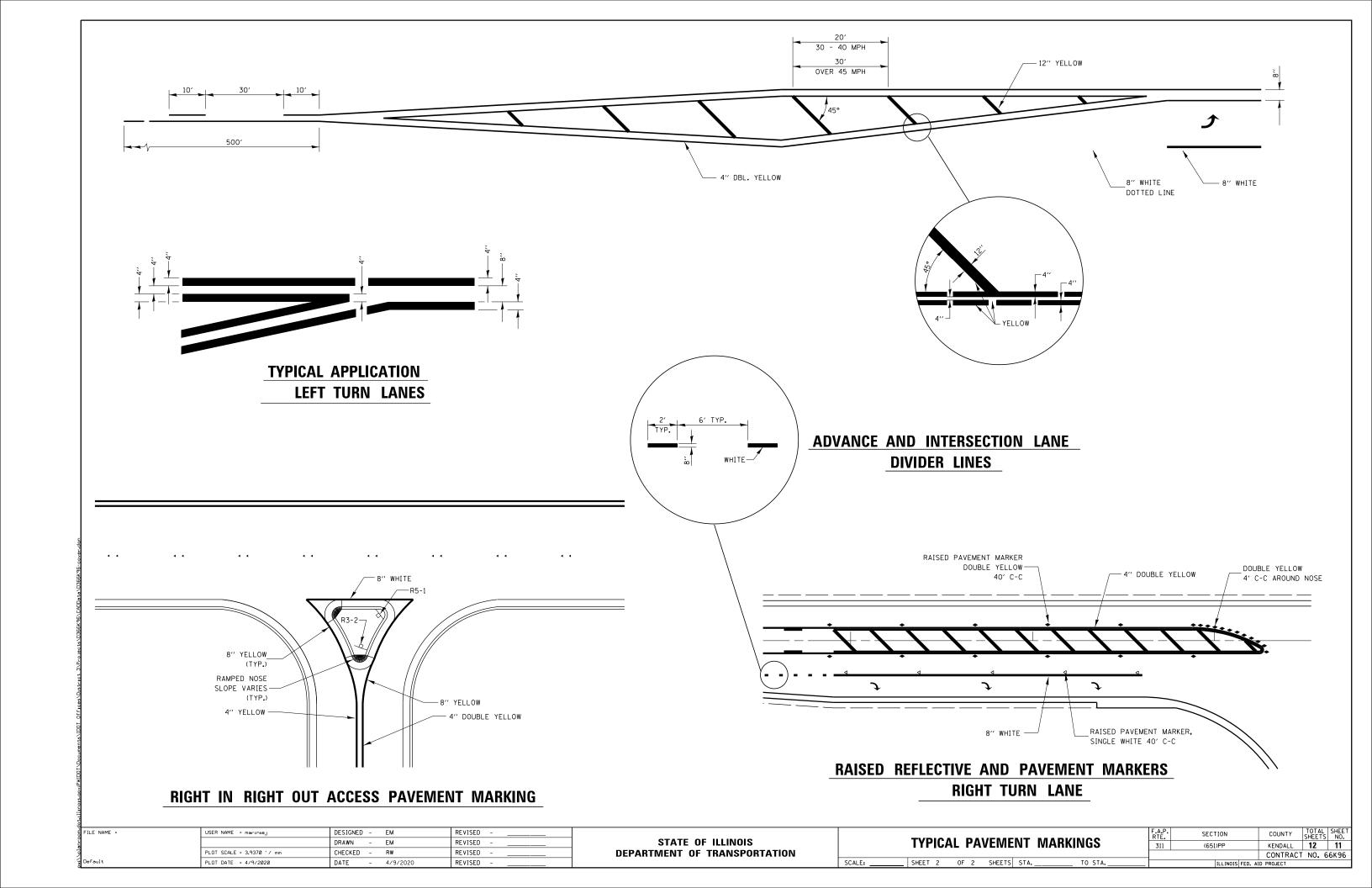
150' AND LONGER

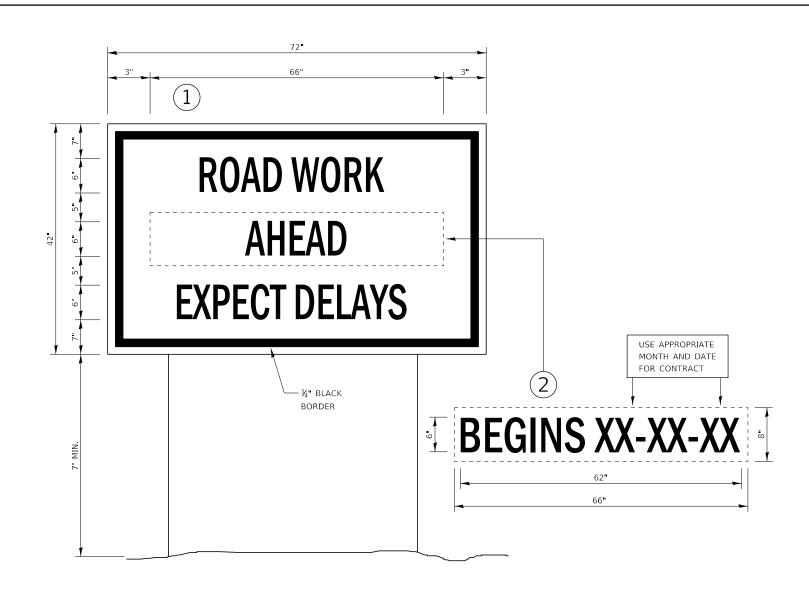
TYPICAL PLACEMENT OF ARROWS IN TURN LANES



PAVEMENT MARKING

, mo	FILE NAME =	USER NAME = mariniej	DESIGNED - EM	REVISED			F.A.P.	SECTION	COUNTY TOTAL SHEET
ž			DRAWN - EM	REVISED	STATE OF ILLINOIS	TYPICAL PAVEMENT MARKINGS	311	(651)PP	KENDALL 12 10
lo.		PLOT SCALE = 3.9370 '/ mm	CHECKED - RW	REVISED	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 66K96
:	Default	PLOT DATE = 4/9/2020	DATE - 4/9/2020	REVISED		SCALE: SHEET 1 OF 2 SHEETS STA TO STA	_	ILLINOIS FED. A	D PROJECT





COUNTY SHEETS NO.

KENDALL 12 12

CONTRACT NO. 66K96

TEMPORARY INFORMATION SIGNING

NOTES:

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

FILE NAME =	USER NAME = mariniej	DESIGNED - EM	REVISED							F.A.P.	SECTION
or control of the con		DRAWN - EM	REVISED	STATE OF ILLINOIS		TEMPORARY	INFORMA	ATION	SIGNING	311	(651)PP
3	PLOT SCALE = 3.9370 '/ mm	CHECKED - RW	REVISED	DEPARTMENT OF TRANSPORTATION							
p Default	PLOT DATE = 4/9/2020	DATE - 4/9/2020	REVISED -		SCALE:	SHEET 1 (OF 1 SHEETS	STA.	TO STA.		TILL INOT