01-18-2019 LETTING ITEM 020

FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6

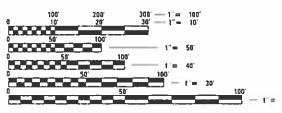
> DESIGN DESIGNATION INTERSTATE

CURRENT ADT: MCLEAN COUNTY - 22,800 (2018) DEWITT COUNTY - 23,000 (2018) PIATT COUNTY - 23,200 (2018) STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI-74 /I-39 SECTION D5 CM2019-7 PROJECT PATCHING MCLEAN /PIATT /DEWITT COUNTIES C-95-010-19 I-74 AND I-39

FOR LOCATION MAPS, SEE PAGES 3, 4, & 5



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

BLUE RIDGE, HUDSON, DOWNS, FARMER CITY

PROJECT ENGINEER JASON STULTS 217-466-7364 PROJECT MANAGER MICHAEL LEROY 217-466-7228

CONTRACT NO. 70D49

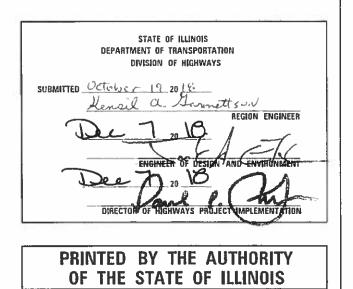
GROSS LENGTH = 29,991 FT. = 5.680 MILE NET LENGTH = 29,991 FT. = 5.680 MILE

0

0

0





INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS
2	GENERAL NOTES
3-5	LOCATION MAPS
6	SUMMARY OF QUANTITIES
7-8	EXISTING TYPICALS
9-10	SCHEDULE OF QUANTITIES
11-12	DETAIL - CLASS A (SPECIAL) PATCHING
13-14	DETAIL - PAVEMENT PATCHING SPECIAL

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
421001-03	BAR REINFORCEMENT FOFR CRC PAVEMENT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS $>=$ 45MPH
701901-08	TRAFFIC CONTROL DEVICES
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >/= 45 MPH

GENERAL NOTES

G.N.-100 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-442B -- PATCHING SCHEDULES

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR. PRIOR TO MARKING PATCHES THE RESIDENT ENGINEER WILL COORDINATE WITH THE MAINTENANCE FIELD ENGINEER SO THAT THE MAINTENANCE FIELD ENGINEER CAN ASSIST IN FINDING AND MARKING PATCH LOCATIONS.

G.N.-1004.01

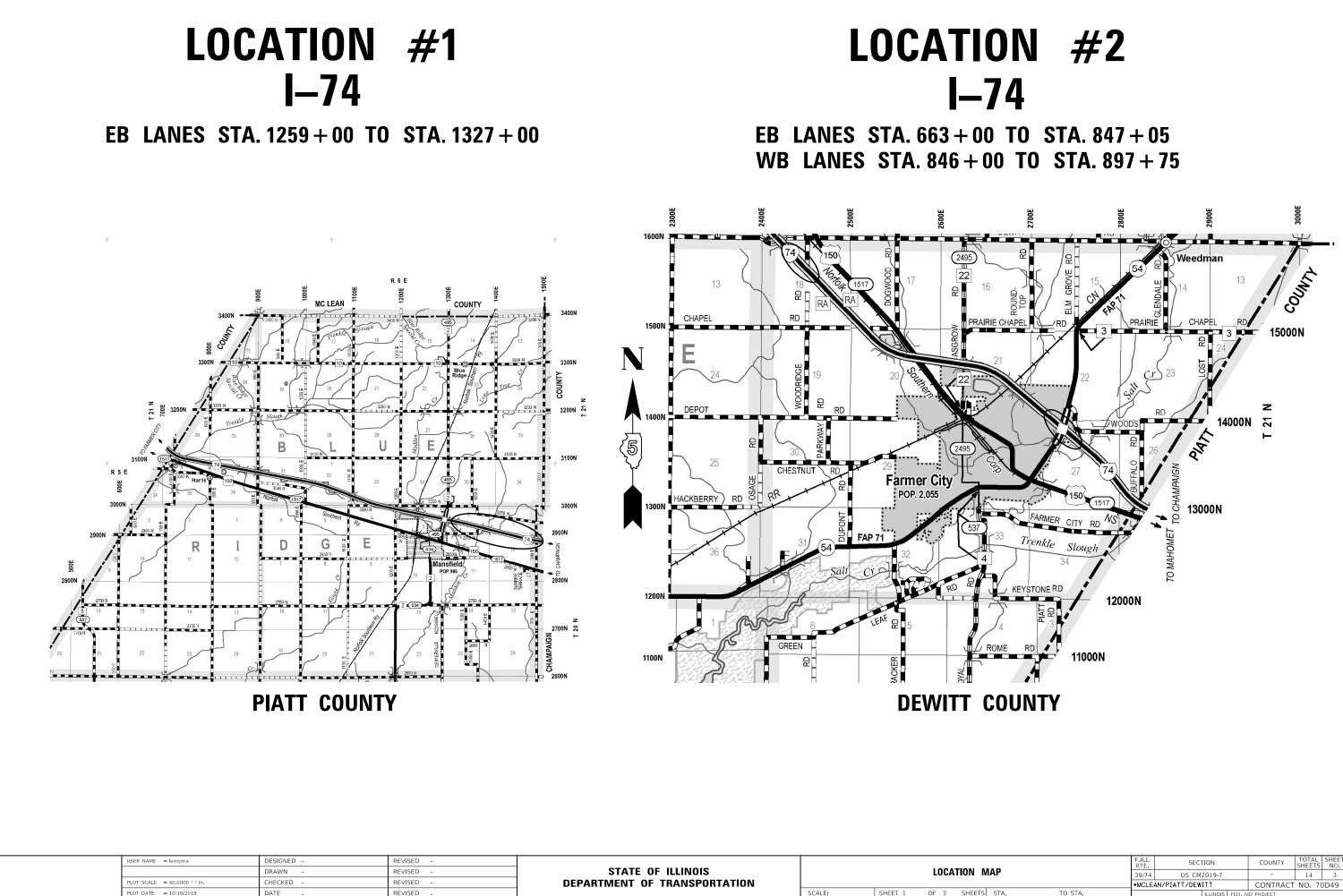
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

NO COMMITMENTS

USER NAME = leroyma	DESIGNED -	REVISED -		1			
	DRAWN -	REVISED -	STATE OF ILLINOIS	1			
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	I			
PLOT DATE = 10/19/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS

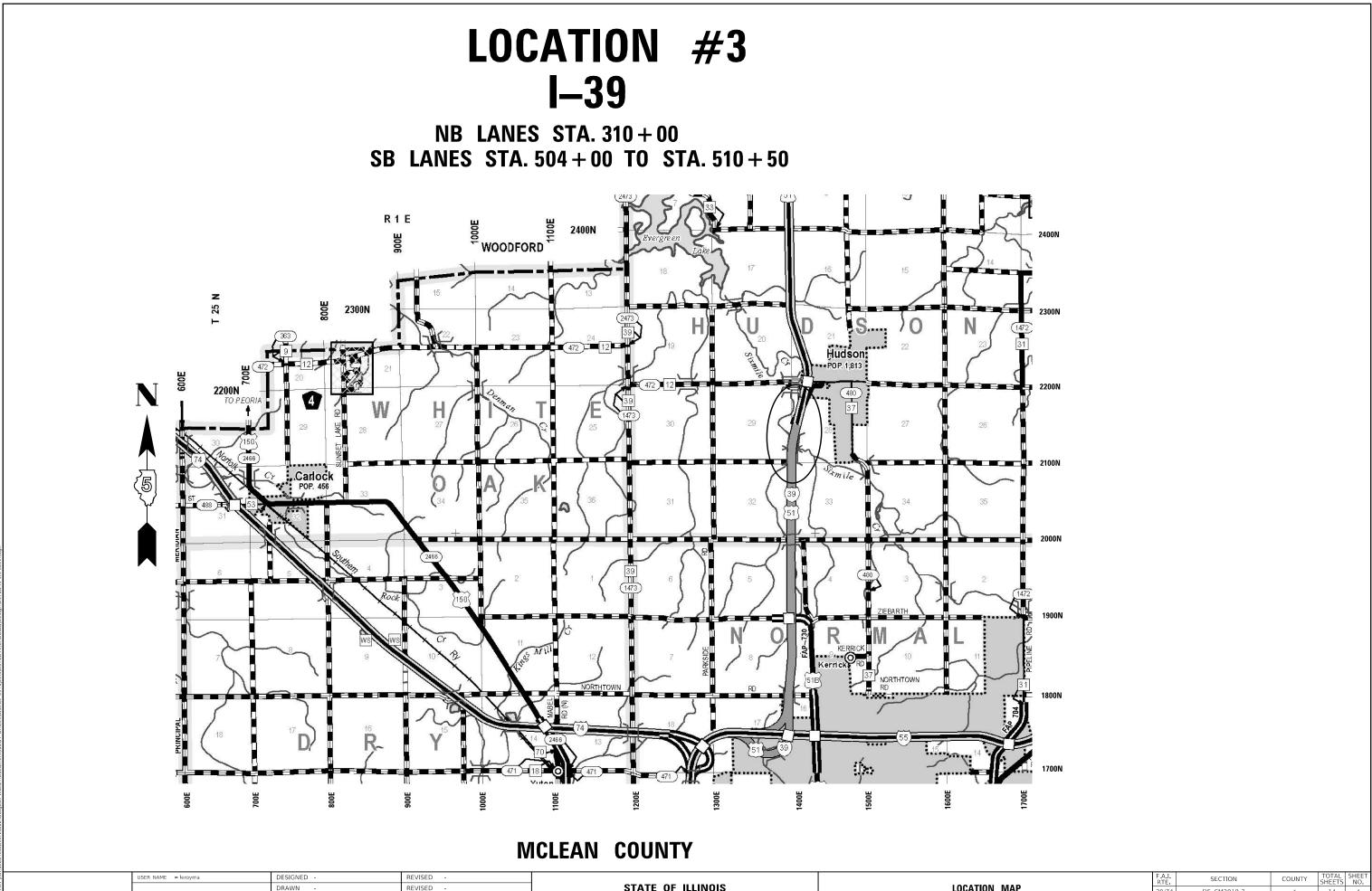
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	39/74	D5 CM	2019-7		VARIOUS	14	2
1					CONTRACT	NO. 7	D49
S STA. TO STA.	ILLINOIS FED. AID				ID PROJECT		

REV. 11/20/18 REV. 11/13/18



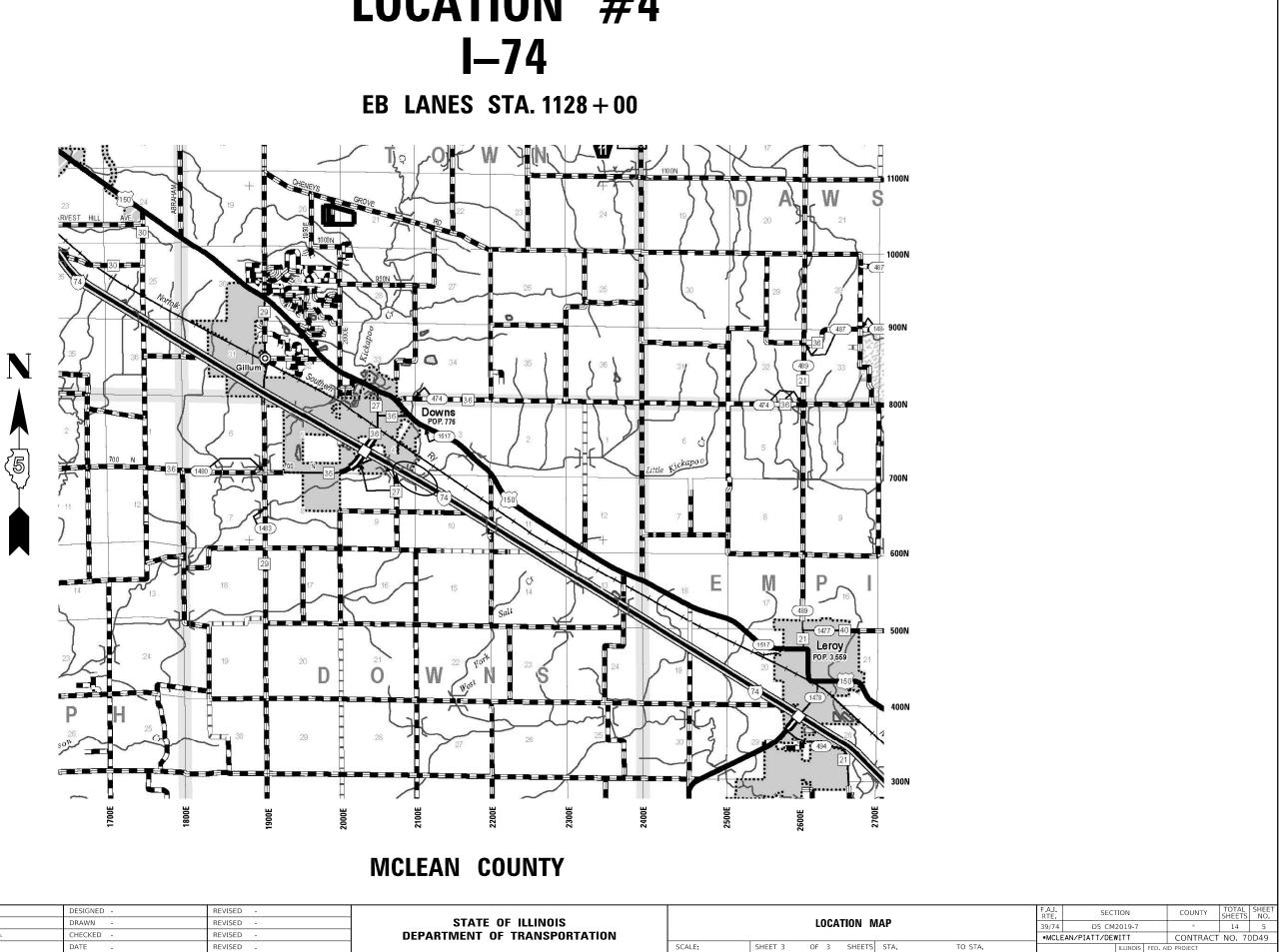
SHEET 1 OF 3 SHEET

			F.A.I. RTE	SECT	COUNTY	TOTAL SHEETS	SHEET NO.		
IV	MAP			74 D5 CM2019-7 * 14					3
			*MCLE	AN/PIATT/DEW	ITT		CONTRACT	NO. 70	D49
ΤS	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		



USER NAME = leroyma	DESIGNED -	REVISED -							F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS		LOC	ATION	I MA	P	39/74	D5 CM2019-7	*	14	4
PLOT SCALE = 40.0000 / in	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						*MCLEAN/	PIATT/DEWITT	CONTRACT	F NO. 70	D49
PLOT DATE = 10/18/2018	DATE -	REVISED -		ITATION LOCATION MAP	. AID PROJECT								

LOCATION #4 **I**–74



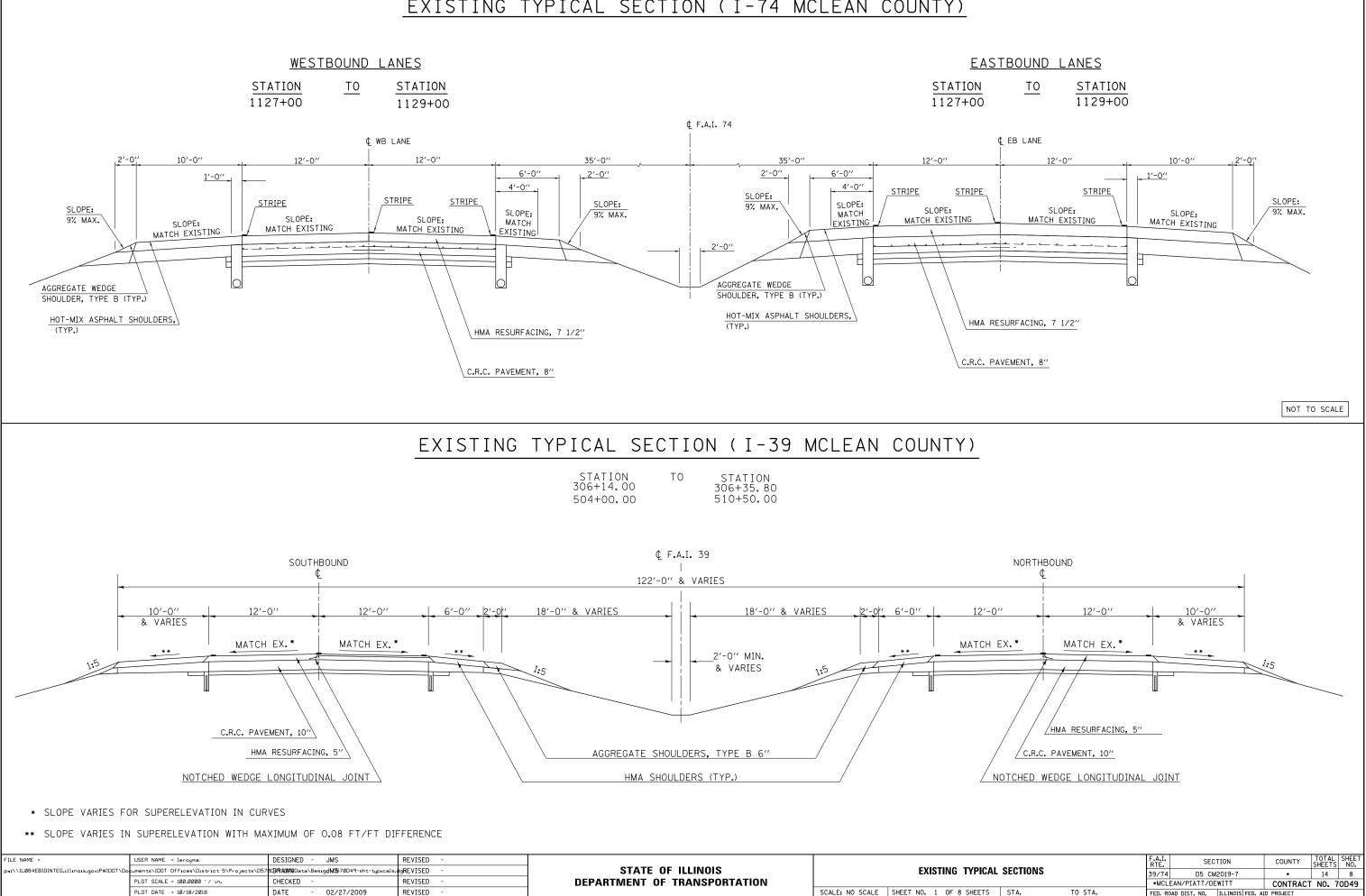
USER NAME = leroyma	DESIGNED -	REVISED -					
	DRAWN -	REVISED -	STATE OF ILLINOIS	i i i i i i i i i i i i i i i i i i i		LOCAT	ION M
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	i i i i i i i i i i i i i i i i i i i			
PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS

SUMMARY OF QUANTITIES

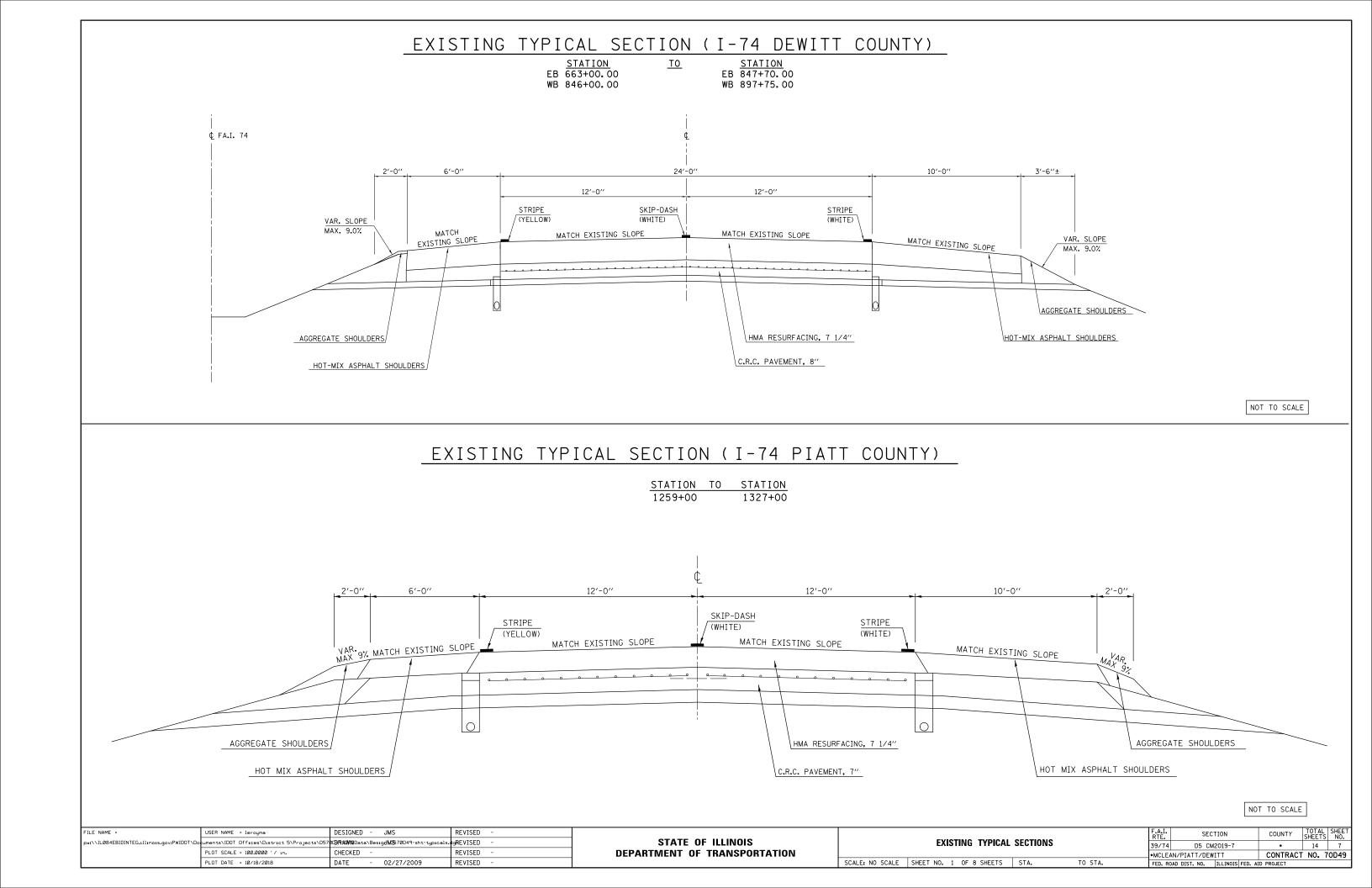
				LOCATION #1 FAI 74 PIATT STA. 1259+00 TO STA. 1327+00	LOCATION #2 FAI 74 DEWITT STA. 663+00 EB TO STA. 847+70 EB STA. 846+00 WB TO STA. 897+75 WB	LOCATION #3 FAI 39 MCLEAN STA. 306+14 TO STA. 306+35	LOCATION #4 FAI 74 MCLEAN STA. 1128+00
				RURAL INTERSTATE 100% STATE	RURAL INTERSTATE 100% STATE	RURAL INTERSTATE 100% STATE	RURAL INTERSTATE 100% STATE
		CONSTRUCT	ION CODE:	0006	0006	0006	0006
PAY ITEM CODE		UNIT	TOTAL	QTY	QTY	QTY	QTY
44213000	PATCHING REINFORCEMENT	SQ YD	543.0	104.0	320.0	30.0	89.0
44213000			545.0	104.0	520.0	50.0	69.0
44213200	SAW CUTS	FOOT	1460.0	276.0	864.0	180.0	140.0
44213204	TIE BARS 3/4"	EACH	1278.0	242.0	751.0	132.0	153.0
67100100	MOBILIZATION	LSUM	1.0	0.2	0.6	0.1	0.1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	L SUM	3.0		2.0		1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1.0	0.2	0.6	0.1	0.1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	11.0	5.0	2.0	2.0	2.0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	26.0	10.0	3.0	3.0	10.0
X1700051	CLASS A PATCHES, TYPE IV, 15 INCH (SPECIAL)	SQ YD	80.0	80.0			
X1700081	CLASS A PATCHES, TYPE II, 16 INCH (SPECIAL)	SQ YD	147.0		147.0		
X1700082	CLASS A PATCHES, TYPE IV, 16 INCH (SPECIAL)	SQ YD	174.0		174.0		
X4420630	CLASS A PATCHES, TYPE II, 15 INCH (SPECIAL)	SQ YD	54.0	24.0		30.0	
A4420030			54.0	24.0		50.0	
X9400003	PAVEMENT PATCHING (SPECIAL)	SQ YD	89.0			27.0	62.0

USER NAME = leroyma	DESIGNED -	REVISED -								F.A.I.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		S	UMMAR	y of Qu	ANTITIES		39/74	D5 CM2019-7	*	14	6
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		1		,			*MCLEAN/P	IATT/DEWITT	CONTRACT	NO. 70	D49
PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

EXISTING TYPICAL SECTION (I-74 MCLEAN COUNTY)



FILE NAME =	USER NAME = leroyma	DESIGNED - JMS	REVISED -		1		
pw:\\ILØ84EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT_Offices\District_5\Projects\D57	CORAMANData\BesigdMS570D49-sht-typicals.	øgREVISED -	STATE OF ILLINOIS		EXISTING TYPICAL	SE
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			
	PLOT DATE = 10/18/2018	DATE - 02/27/2009	REVISED -		SCALE: NO SCALE	SHEET NO. 1 OF 8 SHEETS	S



PAVEMENT PATCHING (SPECIAL)

							PAVEMENT PATCHING	SAW CUTS	TIE BARS 3/4"	TIE BARS 3/4"
							(SPECIAL), 16"		TRANVERSE	LONGITUDINAL
APPROX.							(SQ YD)	(FT)	(EACH)	(EACH)
							RURAL	RURAL	RURAL	RURAL
STATION	LANE	LENGTH	WIDTH	SQ YD	TYPE	DESCRIPTION	X9400003	44213200	44213204	44213204
MCLEAN										
I-74										
1128+00	EBDL	6	12	8.00	CL "A"		8.00	36	44	
1128+00	EBPL	40	12	53.33	CL "A"		54.00	104	44	14
I-39										
310+00	NBDL	20	12	26.67	CL "A"		27.00	64	44	7
TOTAL				88.00			89.00	204.00	132.00	21.00
USE							89.00	204.00	132.00	21.00

CLASS A (SPECIAL), 15"

												<u> </u>
							CLASS A PATCHES,	CLASS A PATCHES,	SAW CUTS	TIE BARS	TIE BARS	PATCHING
							TYPE II, 15 INCH	TYPE IV, 15 INCH		3/4"	3/4"	REINFORCEMENT
							(SPECIAL)	(SPECIAL)		TRANVERSE	LONGITUDINAL	
APPROX.							(SQ YD)	(SQ YD)	(FT)	(EACH)	(EACH)	(SQ. YD)
							RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
STATION	LANE	LENGTH	WIDTH	SQ YD	TYPE	DESCRIPTION	X4420630	X1700051	44213200	44213204	44213204	44213000
		PIATT COL	JNTY (I-74)									
1259+00	EBDL	30	12	40.00	CL "A"			40.00	84	44	11	40.0
1262+50	EBDL	6	12	8.00	CL "A"		8.00		36	44		8.0
1326+50	EBDL	6	12	8.00	CL "A"		8.00		36	44		8.0
1326+60	EBDL	6	12	8.00	CL "A"		8.00		36	44		8.0
1327+00	EBDL	30	12	40.00	CL "A"			40.00	84	44	11	40.0
TOTAL				104.00			24.00	80.00	276.00	220.00	22.00	104.00
USE							24.00	80.00	276.00	220.00	22.00	104.00

USER NAME = leroyma	DESIGNED -	REVISED -								F.A.I. BTE	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		S	CHEDUL	E OF QUANTITI	ES		39/74	D5 CM2019-7	*	14	9
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							*MCLEAN/PIA	TT/DEWITT	CONTRAC	T NO. 70	D49
PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET 1	OF	SHEETS STA.	TO S	STA.		ILLINOIS F	D. AID PROJECT		

PATCHING
REINFORCEMENT
(SQ. YD)
RURAL
44213000
8.0
53.3
27.0
88.33
89.00

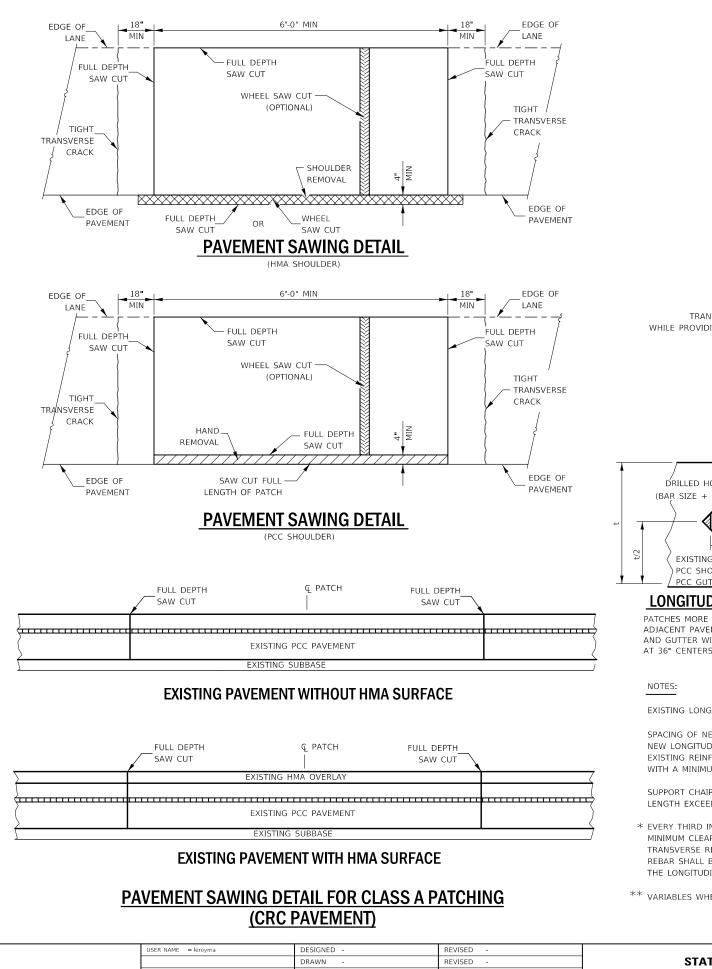
CLASS A (SPECIAL), 16"

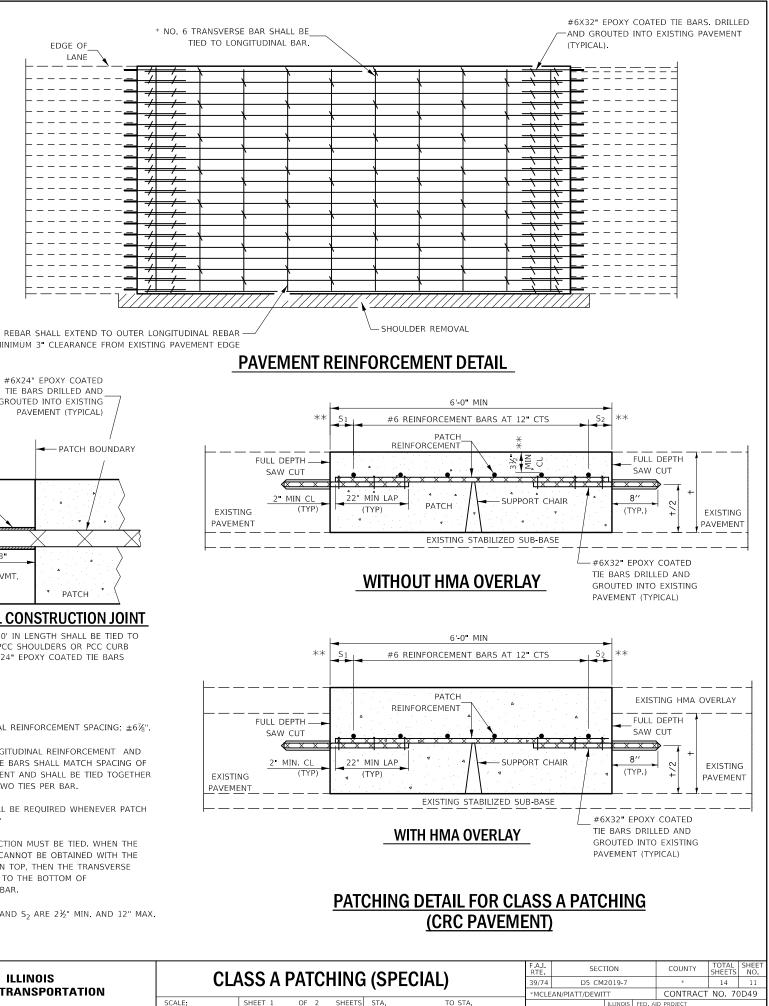
							CLASS A PATCHES,	CLASS A PATCHES,	SAW CUTS	TIE BARS	TIE BARS	PATCHING
							TYPE II, 16 INCH	TYPE IV, 16 INCH		3/4"	3/4"	REINFORCEMENT
							(SPECIAL)	(SPECIAL)		TRANVERSE	LONGITUDINAL	
APPROX.							(SQ YD)	(SQ YD)	(FT)	(EACH)	(EACH)	(SQ. YD)
							RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
STATION	LANE	LENGTH	WIDTH	SQ YD	TYPE	DESCRIPTION	X1700081	X1700082	44213200	44213204	44213204	44213000
				74)								
				/ - /								
846+00	WBDL	50	12	66.67	CL "A"			66.67	124	44	18	66.7
847+00	WBDL	50	12	66.67	CL "A"			66.67	124	44	18	66.7
897+75	WBDL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
663+00	EBDL	10	12	13.33	CL "A"		13.33		44	44	0	13.3
663+00	EBPL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
684+00	EBDL	10	12	13.33	CL "A"		13.33		44	44	0	13.3
715+00	EBPL	10	12	13.33	CL "A"		13.33		44	44	0	13.3
723+15	EBPL	10	12	13.33	CL "A"		13.33		44	44	0	13.3
733+60	EBPL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
769+50	EBPL	10	12	13.33	CL "A"		13.33		44	44	0	13.3
783+00	EBPL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
783+50	EBPL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
805+00	EBPL	8	12	10.67	CL "A"		10.67		40	44	0	10.7
845+00	EBPL	6	12	8.00	CL "A"		8.00		36	44	0	8.0
846+50	EBPL	6	12	8.00	CL "A"		8.00		36	44	0	8.0
847+70	EBDL	30	12	40.00	CL "A"			40.00	84	44	11	40.0
TOTAL				320.00			146.67	173.33	864.00	704.00	47.00	320.00
USE							147.00	174.00	864.00	704.00	47.00	320.00

CLASS A (SPECIAL), 15"

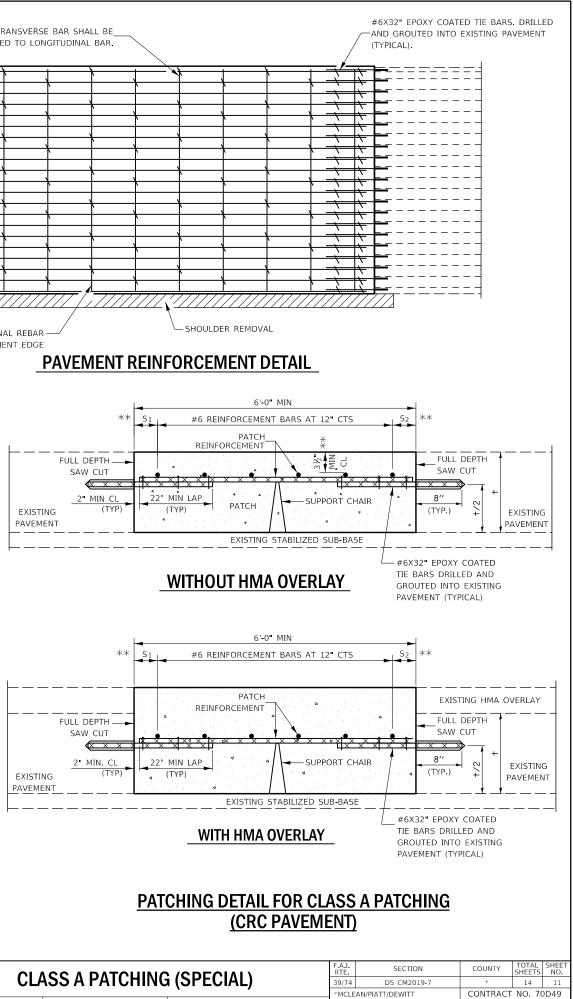
							CLASS A PATCHES,	SAW CUTS	TIE BARS	PATCHING
							TYPE II, 15 INCH		3/4"	REINFORCEMENT
							(SPECIAL)		TRANVERSE	
APPROX.							(SQ YD)	(FT)	(EACH)	(SQ. YD)
							RURAL	RURAL	RURAL	RURAL
STATION	LANE	LENGTH	WIDTH	SQ YD	TYPE	DESCRIPTION	X4420630	44213200	44213204	44213000
	MC	CLEAN CO	DUNTY (I-	-39)						
510+50	SBDL	6	12	8.00	CL "A"		8.00	36	44	8.0
508+00	SBDL	6	12	8.00	CL "A"		8.00	36	44	8.0
504+00	SBDL	10	12	13.33	CL "A"		13.33	44	44	13.3
TOTALS				29.33			29.33	116.00	132.00	29.33
USE							30.00	116.00	132.00	30.00

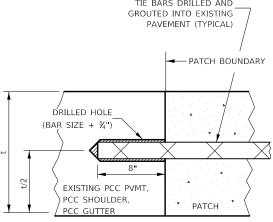
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	DRAWN -	REVISED -	STATE OF ILLINOIS		SCHEDULE OF	F QUA	ANTITIES		39/74	D5 CM2019-7	*	14	10
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						*MCLEAN		CONTRAC		49
PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET 2 OF 6 SI	HEETS	STA.	TO STA.		ILLINOIS FED	AID PROJECT		





TRANSVERSE REBAR SHALL EXTEND TO OUTER LONGITUDINAL REBAR WHILE PROVIDING A MINIMUM 3" CLEARANCE FROM EXISTING PAVEMENT EDGE





LONGITUDINAL CONSTRUCTION JOINT

PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6x24" EPOXY COATED TIE BARS AT 36" CENTERS.

EXISTING LONGITUDINAL REINFORCEMENT SPACING; ±6%".

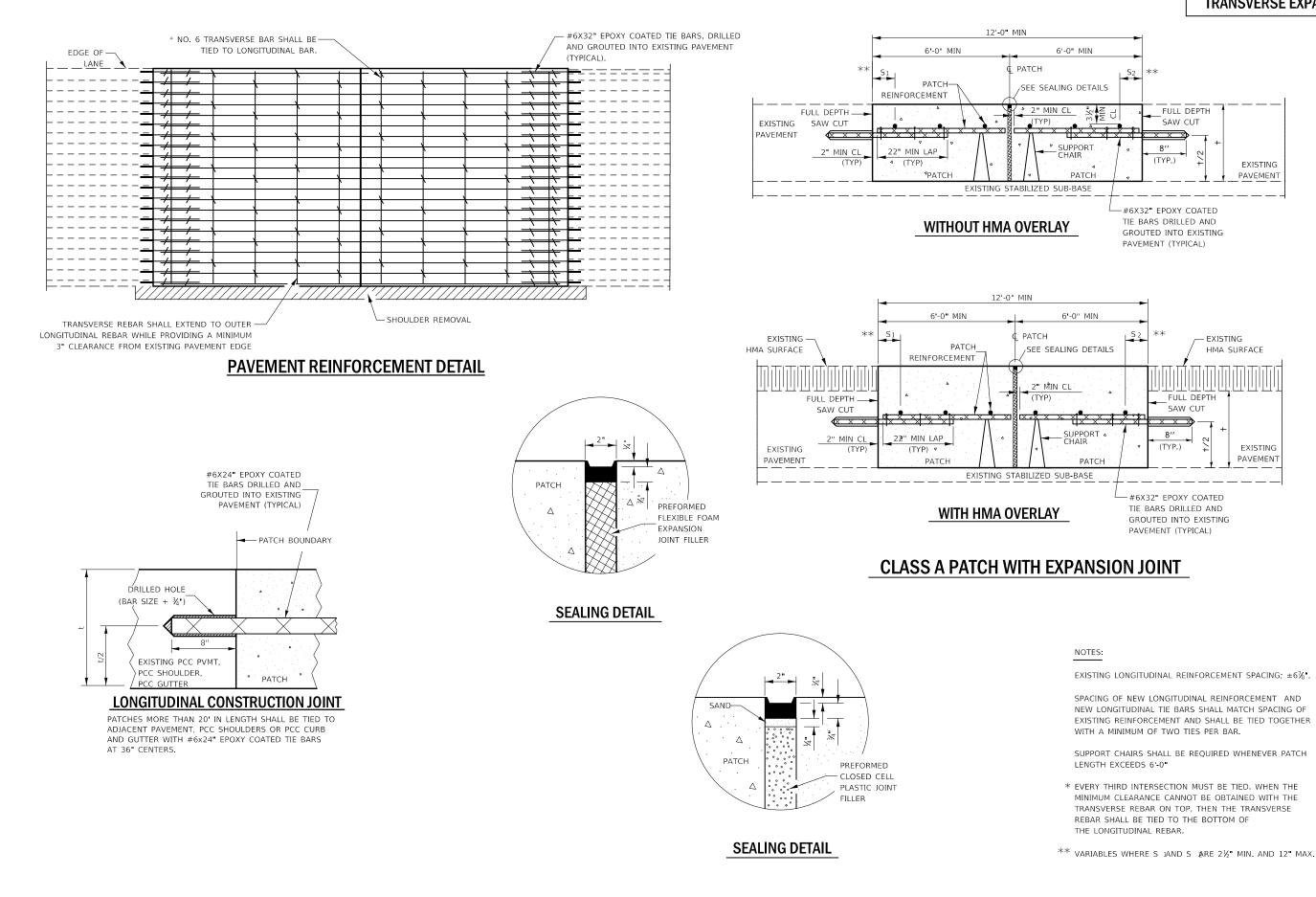
SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6 0

* EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR.

 ** variables where S₁ and S₂ are 2½" min. and 12" max.

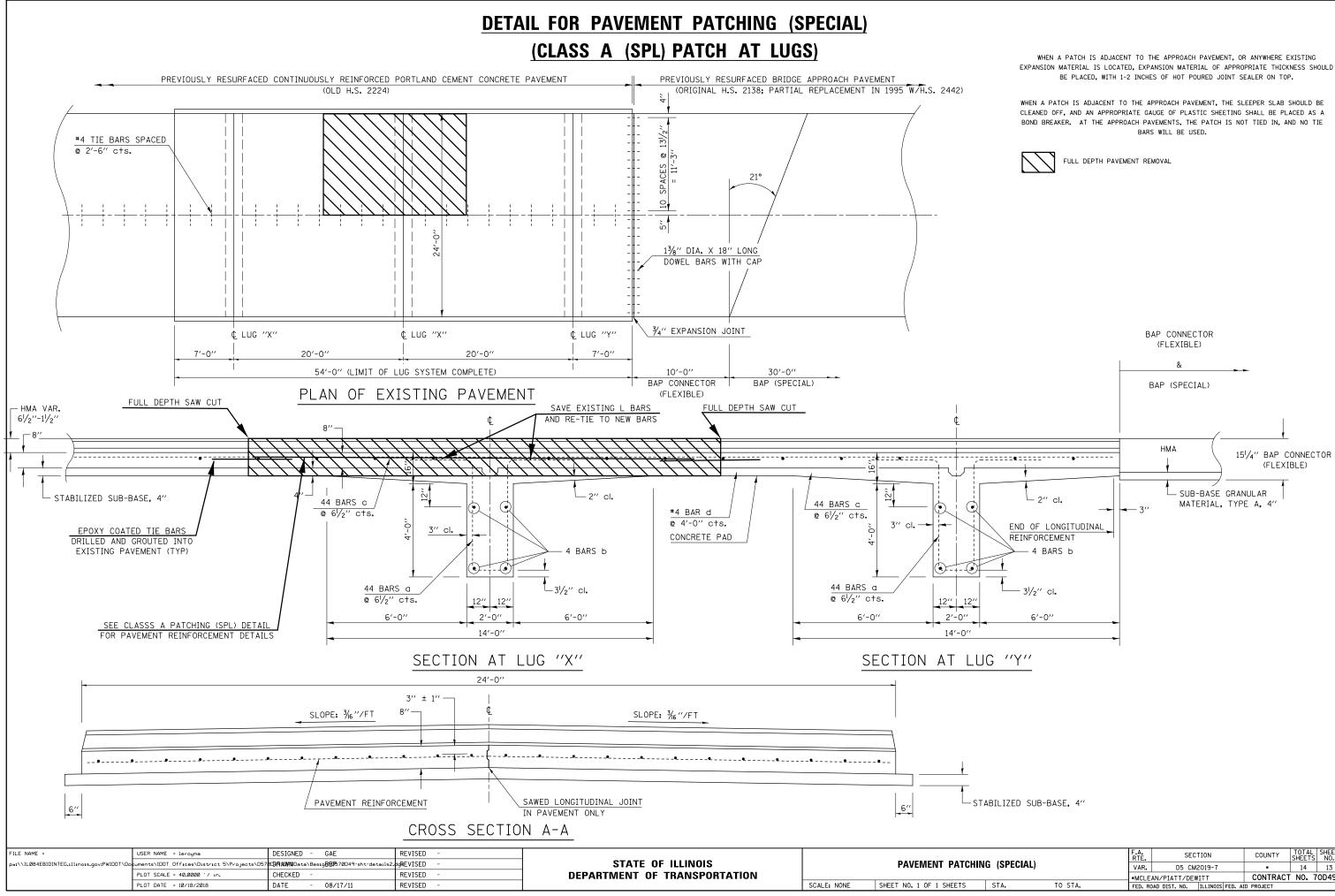
10DE	USER NAME = leroyma	DESIGNED -	REVISED -						
a sh		DRAWN -	REVISED -	STATE OF ILLINOIS		ASS A F	PATCI	HING	3 (S
DDEL	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					" (-
МĒ	PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	5 STA



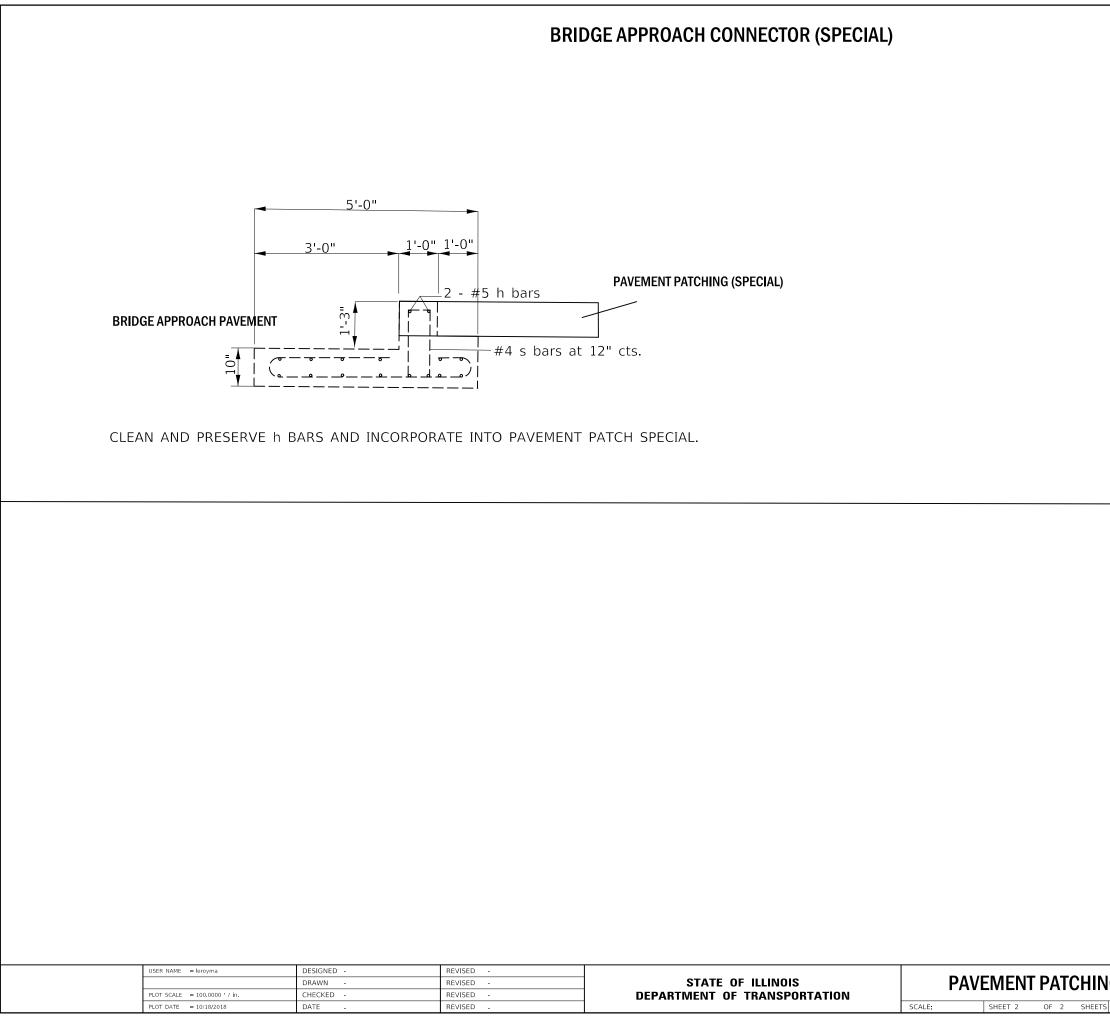
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	DRAWN -	REVISED -	STATE OF ILLINOIS		CLASS A I	PATCHING	i (SP	ECIAL)	39/74	D5 CM2019-7	*	14	12
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						*MCLEAN	I/PIATT/DEWITT	CONTRAC	T NO. 7	0D49
PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEE	S STA.	TO STA.		ILLINOIS FEE	, AID PROJECT		

TRANSVERSE EXPANSION JOINTS

NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER



ING (SPECIAL)		F.A. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.	
ING (SPECIAL)			VAR.	D5 CM	2019-7	•	14	13
			*MCLE	AN/PIATT/DEW	ITT	CONTRACT	NO. 7	'0D49
	STA.	TO STA.	FED. RC	AD DIST. NO.	ILLINOIS FED. A	ID PROJECT		



NG (SPECIAL)				SEC	ΓION		COUNTY	TOTAL SHEETS	SHEET NO.
NG (SPECIAL)			39/74	D5 CM	2019-7		*	14	14
,				EAN/PIATT/DEWI	TT		CONTRACT	NO. 70)D49
ΤS	5 STA. TO STA.				ILLINOIS	FED. A	ID PROJECT		