FOR INDEX OF SHEETS, SEE SHEET NO. 3

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

D-99-030-21

PROPOSED HIGHWAY PLANS

FAP ROUTE 331 (IL13) SECTION D9 PATCH 2021-6 PATCHING JACKSON COUNTY

C-99-041-21

STATION EQUATION

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 & 5

95 + 80.35 BK = 96 + 09.81 AH

TRAFFIC_DATA

2019 ADT 15,800 WITH 12% TRUCKS

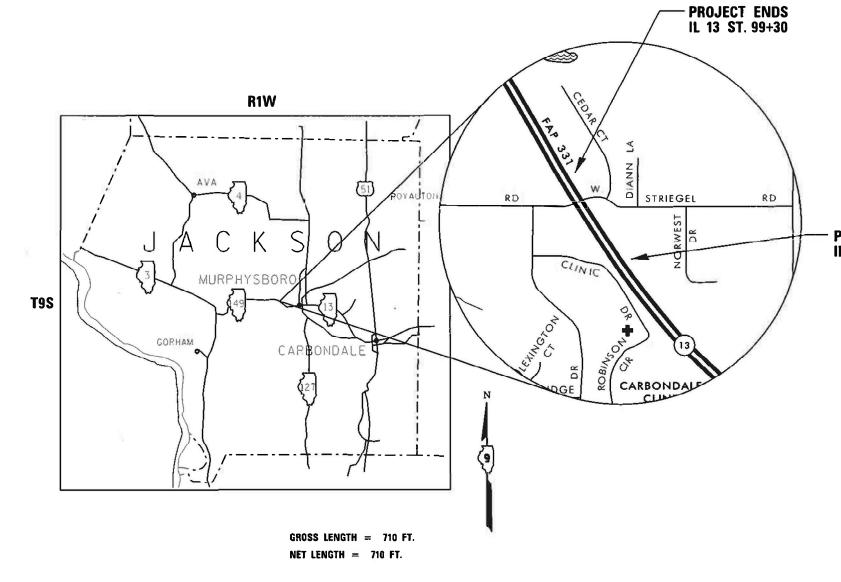
TOWNSHIPS

CARBONDALE

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER SUSAN POE PROJECT MANAGER JAKE WARREN

CONTRACT NO. 78853



DE CALE DE CAL

PROJECT BEGINS IL 13 ST. 92+20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 20 20 21

Kuth Robusta

REGIONAL ENGINEER

March 19, 2021

ENGINEER OF DESIGN AND ENGINEER

March 19, 2021

DIRECTOR OF MIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS

Prepared By:

Examined By:

DISTRICT LAND ACQUISITION ENGINEER

Examined By:

Come Melson DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

D9 PATCH 2021-6

JACKSON 9 2

CONTRACT NO. 78853

Examined By:

DISTRICT MATERIALS ENGINEER

DESIGNED -REVISED USER NAME = warrenj STATE OF ILLINOIS SIGNATURE SHEET DRAWN REVISED **DEPARTMENT OF TRANSPORTATION** CHECKED REVISED OF SHEETS STA.

INDEX OF SHEETS

SHEET NO.	<u>DESCRIPTION</u>
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & MIXTURE REQUIREMENTS, AND COMMITMENTS
4-5	SUMMARY OF QUANTITIES
6	PATCHING SCHEDULE
7-8	PAVEMENT REPLACEMENT SPECIAL
9	TURN LANE PATCH LOCATION DETAIL

HIGHWAY STANDARDS

000001-08 STANDARDSYMBOLSABBREVIATIONS&PATTERNS-001

001001-02 AREASOFREINFREBARS

001006 DECIMALOFINCH&FOOT

442001-04 CLASSAPATCHES

442101-09 CLASSBPATCHES

701101-05 OFFRDOP-MULTILN-LESSTHAN15FTTOEOP

701106-02_OFFRDOP-MULTILN-MORETHAN15FTAWAY

701422-10 LNCLOSUREMULTILN-45-55MPH

701701-10 URBANLNCLOSUREMULTILNINTERSECTION

701901-08 TRAFCNTRLDEVICES

780001-05 TYPICALPVMTMRKINGS

781001-04 TYPICALAPPRAISEDREFLCPVMTMRKRS

886001-01_DETECTORLOOPINSTALLATIONS

886006-01 TYPICALLAYOUTSFORDETECTIONLOOPS

GENERAL NOTES

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUTDOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

COMMITMENTS

NO COMMITMENTS.

USER NAME - marreny	DESIGNED -	REVISED -
34.5	DRAWN -	REVISED +
PLOT SCALE = 2 0000 ' / m	CHECKED .	REVISED .
PLOT DATE # 1/12/2021	DATE -	REVISED

SUMMARY OF QUANTITIES

COUNTY:	JACKSON
ROUTE:	FAP 331
FUNDING:	100% STATE
LOCATION:	RURAL

		7)-	LOCATION.	KUKAL		
CODE	ITEM DESCRIPTION	UNIT	TOTAL			
NUMBER	THE BESCHI TION	Oldi	QUANTITY	0004		
44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	4	4		
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	38.3	38.3		
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	45	45		
11200333	edias in initialization, so man					
44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	19	19		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	72	72		
44201299	DOWEL BARS 1 1/2™	EACH	222	222		
44213000	PATCHING REINFORCEMENT	SQ YD	312	312		
44213000	PATCHING REINFORCEMENT	30 10	3,4	712		
44213200	SAW CUTS	FOOT	2,774	2.774		
44213204	TIE BARS 3/4"	EACH	628	628		
67100100	MOBILIZATION	L SUM	1.0	1.0		
0.100100						
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1.0	1.0		
				2970		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	1.0		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42.0	42.0		
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0	1.0		

REV. - MS

_	USER NAME - warrenj	DESIGNED -	REVISED -	Т
	116.5	DRAWN -	REVISED =	1
	PLOY SCALE = 2 0000 f in	CHECKED	REVISED -	1
	PLOT DATE # 1/12/2021	DATE -	REVISED -	1

SHORT TERM PAVEMENT MARKING SHORT TERM PAVEMENT MARKING REMOVAL	FOOT SQ FT	TOTAL QUANTITY 581.0	581.0
SHORT TERM PAVEMENT MARKING SHORT TERM PAVEMENT MARKING REMOVAL		581.0	
SHORT TERM PAVEMENT MARKING REMOVAL			581.0
	SQ FT	194.0	
		194.0	194.0
TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	37.0	37.0
TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	470.0	470.0
PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37.0	37.0
PAINT PAVEMENT MARKING - LINE 4"	FOOT	470.0	470.0
RAISED REFLECTIVE PAVEMENT MARKER	EACH	10.0	10.0
DETECTOR LOOP, TYPE I	FOOT	185.0	185.0
PAVEMENT REPLACEMENT, SPECIAL	SQ YD	224.7	224.7
TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	194.0	194.0
	DETECTOR LOOP, TYPE I PAVEMENT REPLACEMENT, SPECIAL	DETECTOR LOOP, TYPE I FOOT PAVEMENT REPLACEMENT, SPECIAL SQ YD	DETECTOR LOOP, TYPE I FOOT 185.0 PAVEMENT REPLACEMENT, SPECIAL SQ YD 224.7

* SPECIALTY ITEM

| DESIGNED - REVISED - | DRAWN - REVISED - | DRAWN - REVISED - | DATE - DATE - | DATE - REVISED - | DATE - REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 AND STRIEGEL RD

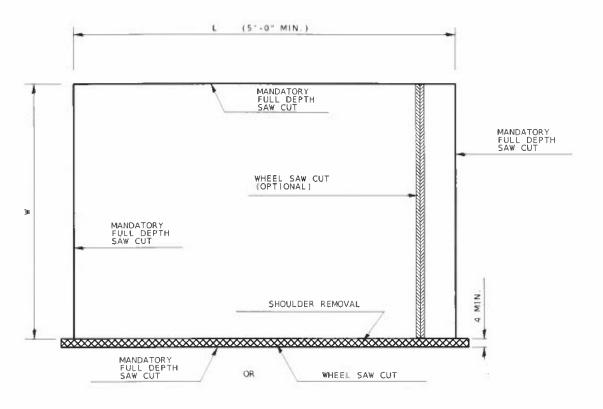
STA.	5	STA.	LANE LOCATION	LENGTH	WIDTH			PATCHES, TYPE II,	CLASS A PATCHES, TYPE IV, 10 INCH	i	CLASS B PATCHES, TYPE 11, 10 INCH	PAVEMENT REPLACEMENT SPECIAL	SAW CUTS	PATCHING REINF.	DOWEL BARS	TIE BARS 3/4"	NOTES
				FEET	FEET	SQYD	SQYD	SQYD	SQYD	SQYD	SQYD	SQYD	FOOT	SQYD	EACH	EACH	
92+20	Τo	92+28	WB - DL	8	12	10.7		10.7					72	10.7	_		
92+60	То	93+43	WB-TL	83	3-6	41.5					Ì	41.50	275	41.5		100	SEE DETAIL ON PAGE 9
93+43	То	97+84	WB - TL	412	4	183.2						183.20	1252	183.2		428	St. Eq. 95+80.35 BK = 96+09.81 AH
93+58	To	93+62	WB-TL	6	6	4				4.0			30		8		
93+83	_		WB - TL	6	6	4				4.0			30		8		
94+08	То	94+12	WB - TL	6	7	4.7				4.7			33		10		
94+58	То	94+62	WB - TL	6	10	6.7				6.7			42		16		
95+08	То	95+12	WB - TL	6	12	8					8.0		48		20		
95+30	Τo	95+34	WB - TL	6	12	8					8.0		48		20		
95+32	То	95+52	WB-PL	20	4	8.9		8.9					76	8.9			
95+36	То	95+42	WB - DL	6	6	4	4.0	_					42	4.0			
95+58	To	95+62	WB-TL	6	12	8					8.0		48		20		
96+37	То	96+41	WB - TL	6	12	8					8.0		48		20		
96+87	То	96+91	WB - TL	6	12	8					8.0		48		20		
97+37	То	97+41	WB - TL	6	12	8					8.0		48		20		
97+52	То	97+56	WB - TL	6	12	8					8.0		48		20		
97+66	To	97+72	WB - DL	6	12	8		8.0					66	8.0			
97+71	То	97+75	WB - TL	6	12	8					8.0		48		20		
97+87	To	97+91	WB-TL	6	12	8					8.0		48		20		
97+89	То	98+89	WB - DL	100	4	44.5			45				316	44.5		100	
99+26	То	99+30	WB-DL	4	24	10.7		10.7					108	10.7			
			TOTA	\L			4	38.3	45	19.4	72	224.7	2774	311.5	222	628	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

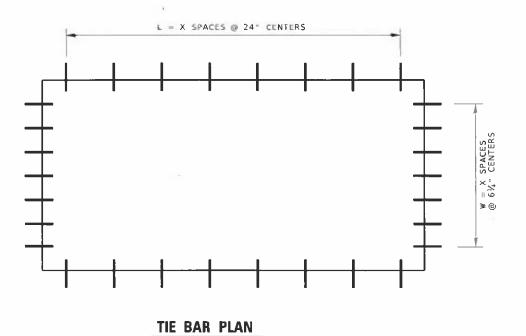
 PATCHING SCHEDULE
 FAP RTE RTE
 SECTION
 COUNTY SHEETS NO.
 TOTAL SHEETS NO.

 331
 D9 PATCH 2021-6
 LIACKSON 9 6
 9 6

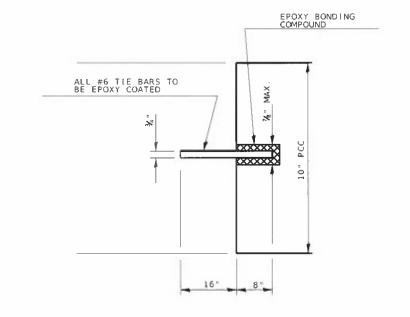
 CONTRACT NO. 78853



PAVEMENT SAWING DETAIL



(IF HMA PAVED SHOULDER TIE BAR NOT USED)



USER NAME = warren	DESIGNED -	REVISED -
	DRAWN -	REVISED .
PLOT SCALE = 2 0000 ' / H	CHECKED -	REVISED -
PLOT DATE = 1/12/2021	DATE -	REVISED .

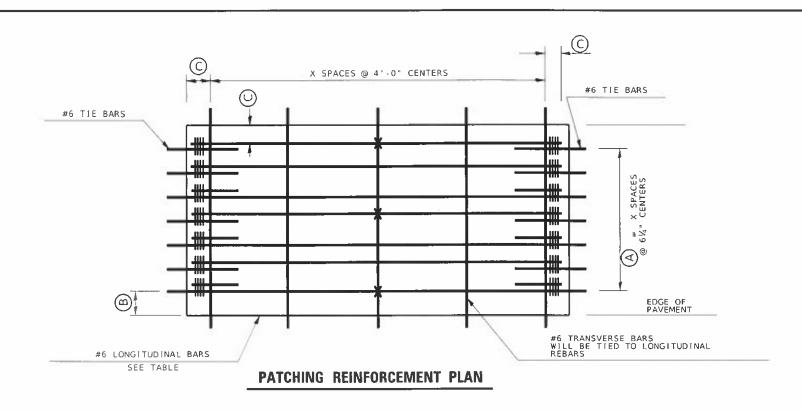
STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

SCALE:

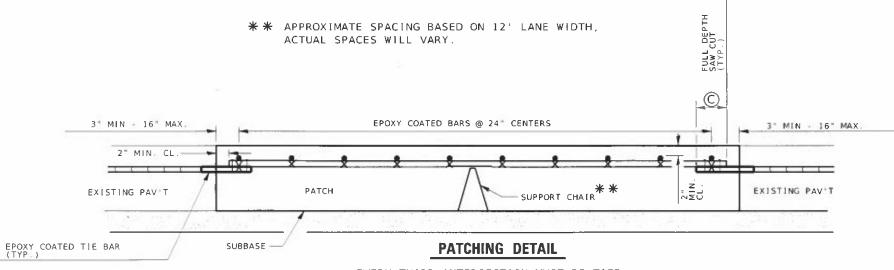
			F.A.P RTE	SECTION	COUNTY	SHEETS	SHEET NO.				
PAVEMENT REPLACEMENT SPECIAL				D9 PATCH 2021-6	JACKSON	9	7				
- Company - Comp	0.0000000000000000000000000000000000000	35775		CONTRACT	NO. 78	3853					
SHEET 1 OF 2 5H	EETS STA	TO STA.		ILLINOIS FED. AID PROJECT							

Jerault E. pw Nplantsom dol Illings Gov.PWIDOT\Documents\lf

ME. pw ((planteem det illingis gev:PWID)



	ALL DIMENSIONS ARE IN INCHES											
BAR SIZE	EXISTING PAVEMENT THICKNESS	* * (APPROX. SPACING)	B	0	* ©							
#6	7兆 THRU 8½	18 SPACES (19 BARS) @ 7⅓	3⅓2	3	22							
#6	8¾ THRU 9½	20 SPACES (21 BARS) @ 6%	31/2	3	22							
#6	9¾ THRU 10⅓	22 SPACES (23 BARS) @ 614	3⅓	3	22							
#6	10¾ THRU 11½	24 SPACES (25 BARS) @ 5¾	31/₂	3	22							
·#6	11¾ THRU 12½	27 SPACES (28 BARS) @ 5⅓	3 ⅓2	3	22							



EVERY THIRD INTERSECTION MUST BE TIED.

** SUPPORT CHAIRS WILL BE PLACED SUCH THAT UNIFORM UNSUPPORTED LENGTHS WILL NOT EXCEED 4'-0".

PAVEMENT REPLACEMENT

LAP TIED AT EACH TIE BAR

SECTION

NOTE: IF LONGITUDINAL BARS ARE LONGER THAN 30' THEN (A) D LAP SPLICE WILL BE REQUIRED.

EPOXY COATED PATCHING REINFORCEMENT

USER NAME = warren	DESIGNED -	REVISED =							F.A.P BTF	SECTION	COUNTY 5	TOTAL SHEET SHEETS NO.
	DRAWN .	REVISED -	STATE OF ILLINOIS	PAVEMENT REPLACEMENT SPECIAL						D9 PATCH 2021-6	JACKSON	9 8
PLOT SCALE = 2 0000 ' / in	CHECKED -	REVISED	DEPARTMENT OF TRANSPORTATION				Up = 50.00 1 a	1 Carlo (10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			CONTRACT N	NO. 78853
PLOT DATE = 1/12/2021	DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS STA. TO STA.				ILLINOIS FED. A	D PROJECT	

