

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2018	MON/MAC/SAN	6	1
		ILLINOIS	CONTRACT NO. 72K22	

04-27-2018 LETTING ITEM 033

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
IMPROVEMENTS**

**FAI 55 (I 55)  
D6 PATCHING 2018  
PATCHING  
MACOUPIN, MONTGOMERY &  
SANGAMON COUNTIES**

C-96-014-18

D-96-007-18

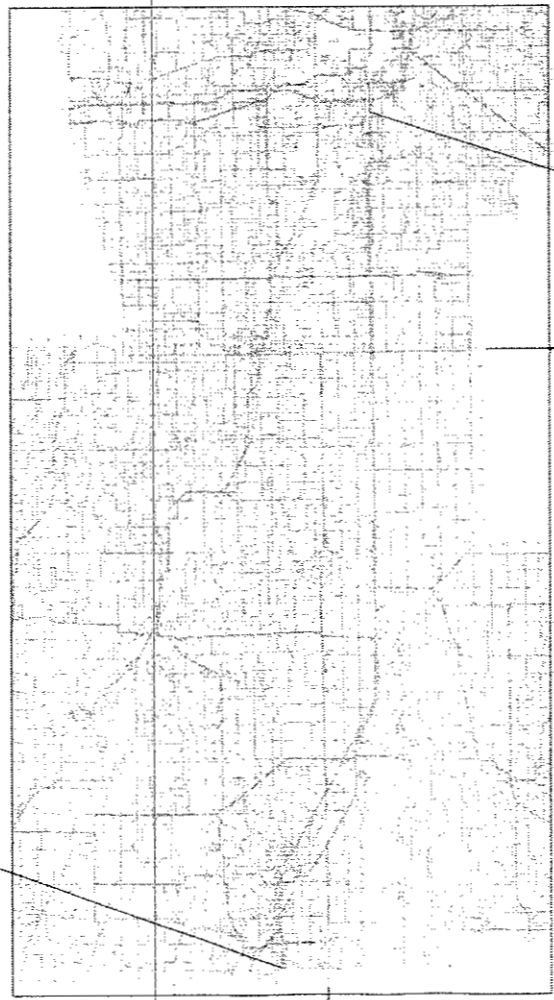


FOR INDEX OF SHEETS, SEE SHEET NO. 2

**MONTGOMERY CO.**  
ADT = 14,000  
SU = 1650  
MU = 4,800

**SANGAMON CO.**  
ADT = 22,400  
SU = 2,100  
MU = 4,200

**MACOUPIN CO.**  
ADT = 16,800  
SU = 1,400  
MU = 3,800

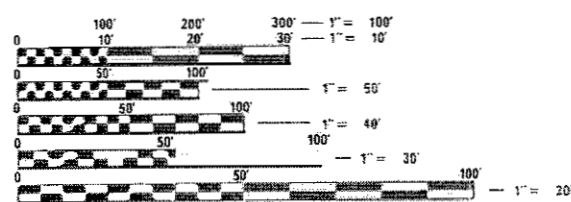


BEGIN PROJECT

SANGAMON/MONTGOMERY  
COUNTY LINE

END PROJECT

MACOUPIN/MONTGOMERY COUNTY LINE



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 : MIKE IRWIN - (217)524-7765  
PROJECT MANAGER : TIM SHARP - (217)524-9160

CONTRACT NO. 72K22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 7 February 2018  
*[Signature]*  
REGION FOUR ENGINEER

March 23 2018  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 2018  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & SIGNATURE
3.	SUMMARY OF QUANTITIES
4.	PATCHING SCHEDULE
5.	PROJECT LOCATION MAP
6.	PROJECT TYPICAL SECTIONS

STANDARDS

STANDARD NO.	DESCRIPTION
442001-04	CLASS A PATCHES
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15" AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-11	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥45 MPH
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES

MIXTURE REQUIREMENTS

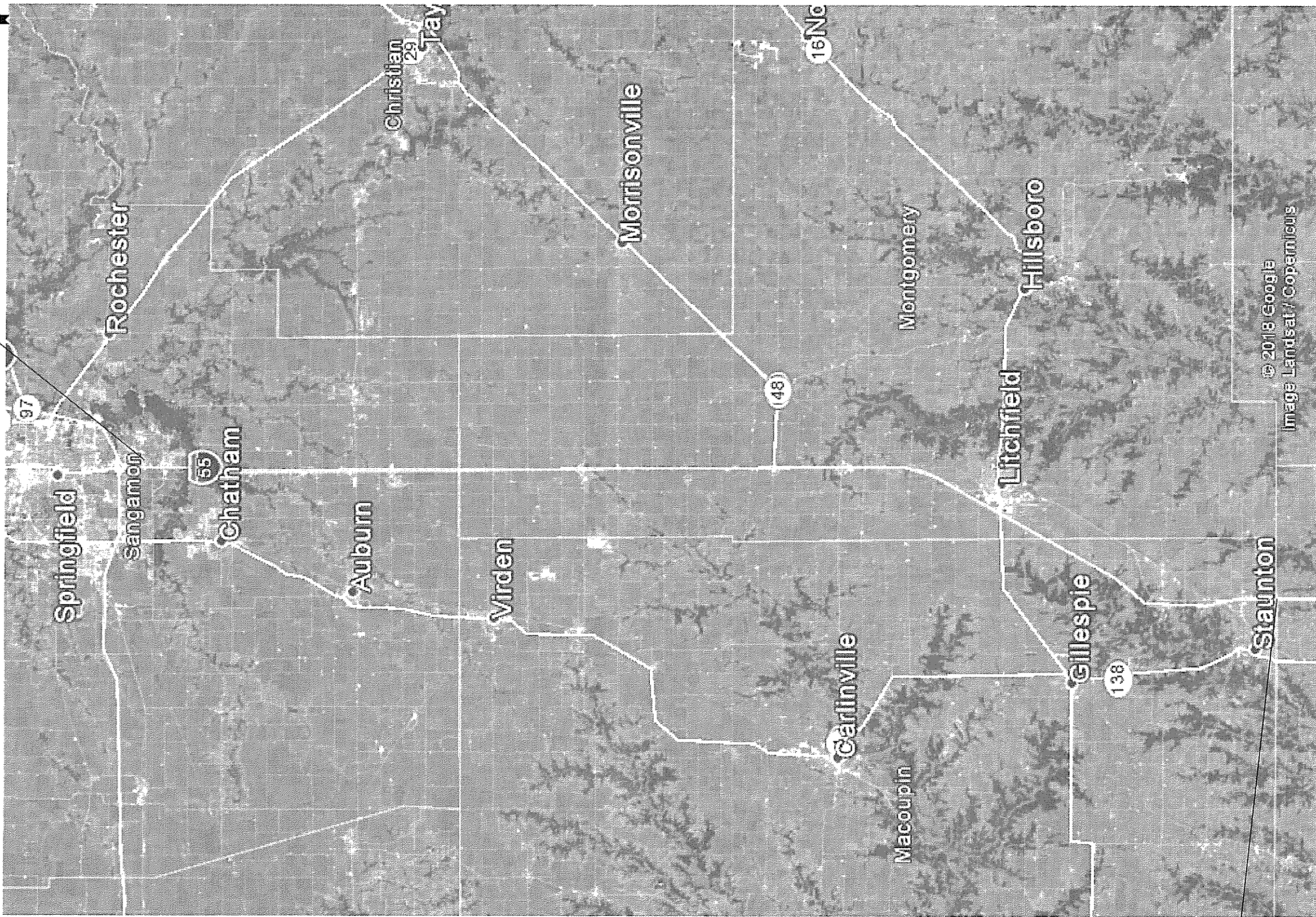
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT		
LOCATION:	SHOULDER REPAIR	SHOULDER REPAIR
MIXTURE USE(S):	LOWER LIFTS	TOP 2"
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	MIX "C"
QUALITY MANAGEMENT	QC/QA	QC/QA

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	<u>February 5<sup>th</sup></u> 20 <u>18</u> <i>[Signature]</i> ENGINEER OF OPERATIONS
EXAMINED	<u>January 26</u> 20 <u>18</u> <i>[Signature]</i> ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	<u>January 29</u> 20 <u>18</u> <i>[Signature]</i> ENGINEER OF PROGRAM DEVELOPMENT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01624-6010	0-01624-6010	0-01624-6010
				100% STATE	100% STATE	100% STATE
				MACOUPIN	MONTGOMERY	SANGAMON
				ROADWAY	ROADWAY	ROADWAY
				0006	0006	0006
				RURAL	RURAL	RURAL
44200610	CLASS A PATCHES, TYPE II, 13 INCH	SQ YD	472.7	0.0	18.7	454.0
44200612	CLASS A PATCHES, TYPE III, 13 INCH	SQ YD	136.0	0.0	80.0	56.0
44200614	CLASS A PATCHES, TYPE IV, 13 INCH	SQ YD	1878.6	120.0	125.3	1633.3
44213000	PATCHING REINFORCEMENT	SQ YD	1406.0	120.0	106.7	1179.3
44213200	SAW CUTS	FOOT	6774.0	276.0	524.0	5974.0
44213204	TIE BARS, 3/4"	EACH	393.0	30.0	7.0	356.0
67100100	MOBILIZATION	L SUM	1.0	0.1	0.1	0.8
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12.0	2.0	2.0	8.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.1	0.1	0.8
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1.0	0.1	0.1	0.8
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1.0	0.1	0.1	0.8
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0	0.1	0.1	0.8
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	100.0	10.0	10.0	80.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	60.0	3.0	3.0	54.0

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Image Landsat / Copernicus

BEGIN PROJECT

END PROJECT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

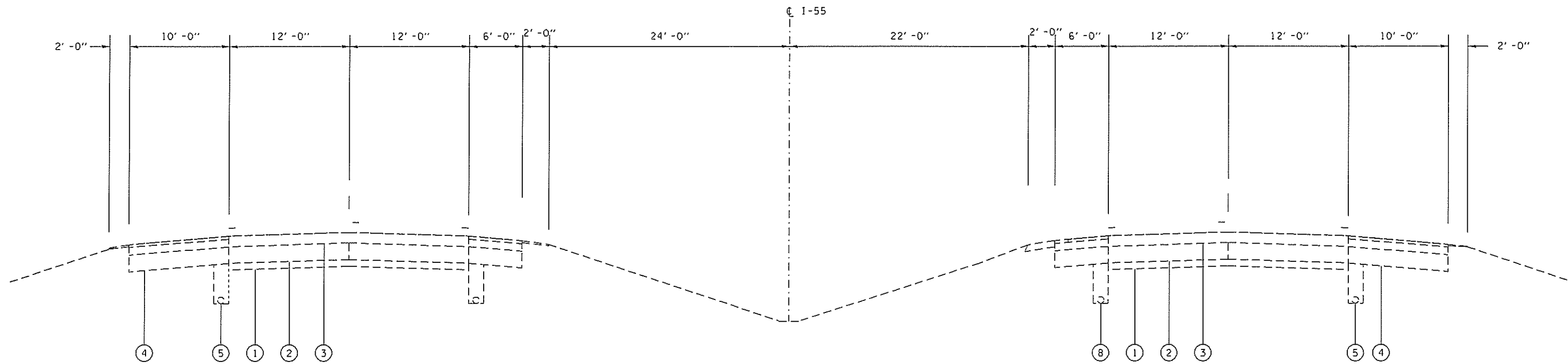
FILE NAME =	USER NAME = shorptd	DESIGNED -	REVISED -
S:\CONTRMAINT_CAD\72K22 - FAI 55 (I-55)	SANG-MONT-MACDUP- CLASS A & B PATHCESVPL	NR22-22-shr-vl-plana.dgn	
	PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/2/2018	DATE -	REVISED -

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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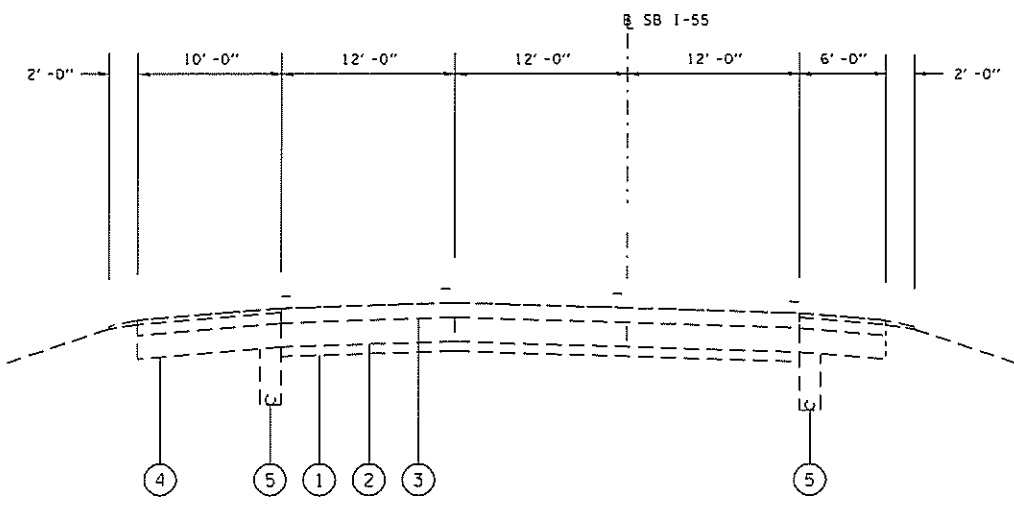
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	06 PATCHING 2018	VARIOUS	6	4
CONTRACT NO. 72K22				
ILLINOIS FED. AID PROJECT				

MILE	LANE	LENGTH	WIDTH	AREA	CLASS A, 13 INCH			SAW CUTS	TIE BARS 3/4"	PATCHING REINF.
					TY II	TY III	TY IV			
MARKER	DL/ML/PL	(FT)	(FT)	(S.Y.)	(S.Y.)	(S.Y.)	(FT)	(EA.)	(S.Y.)	
<b>I-55 NORTHBOUND - MACOUPIN COUNTY</b>										
41.6	OVERHEAD STRUCTURE -- RAILROAD									
43.1	NBDL	30	12	40.0	--	--	40.0	108.0	10	40.0
43.1	STRUCTURE 059-0041									
43.1	NBDL	60	12	80.0	--	--	80.0	168.0	20	80.0
50.4	MACOUPIN/MONTGOMERY COUNTY LINE									
Patching Subtotal:					0.0	0.0	120.0	276.0	30	120.0
<b>I-55 NORTHBOUND - MONTGOMERY COUNTY</b>										
60.2	IL 108 OVERHEAD (CARLINVILLE EXIT)									
63.2	NBDL	15	12	20.0	--	20.0	--	78.0	--	20.0
63.2	NBDL	15	12	20.0	--	20.0	--	78.0	--	20.0
64.2	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
65.0	REST AREA									
65.0	NBPL	15	12	20.0	--	20.0	--	78.0	--	20.0
65.1	NBDL	20	12	26.7	--	--	26.7	88.0	7	26.7
65.1	NBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
63.3	IL 48 OVERHEAD (RAYMOND EXIT)									
65.3	NBPL	15	12	20.0	--	20.0	--	78.0	--	20.0
77.1	SANGAMON/MONTGOMERY COUNTY LINE									
Patching Subtotal:					18.7	80.0	26.7	524.0	7	125.3
<b>I-55 SOUTHBOUND -- SANGAMON COUNTY</b>										
82.0	BEGIN 3 LANES									
81.7	SBDL	40	12	53.3	--	--	53.3	128.0	13	53.3
81.7	SBML	40	12	53.3	--	--	53.3	128.0	26	53.3
81.7	SBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.7	SBPL	25	12	33.3	--	--	33.3	98.0	8	33.3
81.7	STRUCTURE 084-0110 (OVER IL 104)									
81.6	SBDL	55	12	73.3	--	--	73.3	158.0	18	73.3
81.6	SBML	20	12	26.7	--	--	26.7	88.0	14	26.7
81.6	SBPL	20	12	26.7	--	--	26.7	88.0	7	26.7
81.6	SB TAPER	10	12	13.3	13.3	--	--	68.0	--	13.3
81.6	SBML	8	12	10.7	10.7	--	--	64.0	--	10.7
81.6	SBPL	8	12	10.7	10.7	--	--	64.0	--	10.7
81.6	SBML	12	12	16.0	--	16.0	--	72.0	--	16.0
81.0	SBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
81.0	SBPL	8	12	10.7	10.7	--	--	64.0	--	10.7
81.0	STRUCTURE 084-0108									
80.9	SBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
80.9	SBPL	8	12	10.7	10.7	--	--	64.0	--	10.7
80.6	SBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
77.1	SANGAMON/MONTGOMERY COUNTY LINE									
Patching Subtotal:					93.3	15.0	266.7	1332.0	87	376.0

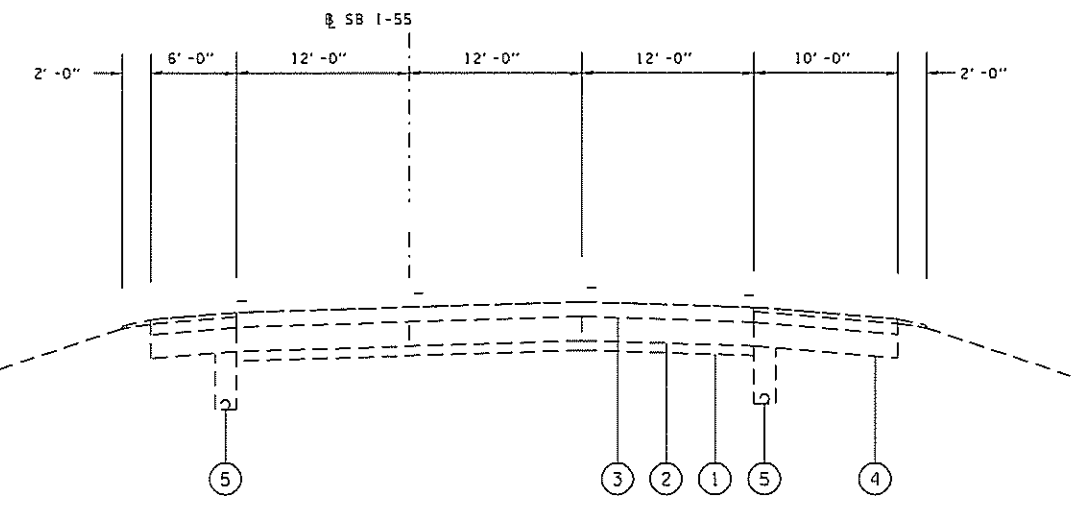
MILE	LANE	LENGTH	WIDTH	AREA	CLASS A, 13 INCH			SAW CUTS	TIE BARS 3/4"	PATCHING REINF.
					TY II	TY III	TY IV			
MARKER	DL/ML/PL	(FT)	(FT)	(S.Y.)	(S.Y.)	(S.Y.)	(FT)	(EA.)	(S.Y.)	
<b>I-55 NORTHBOUND - SANGAMON COUNTY</b>										
77.1	SANGAMON/MONTGOMERY COUNTY LINE									
77.1	NBDL	75	12	100.0	--	--	100.0	198.0	25	100.0
77.1	NBPL	25	12	33.3	--	--	33.3	98.0	8	33.3
79.7	NBDL	40	12	53.3	--	--	53.3	128.0	13	53.3
79.7	NBDL	60	12	80.0	--	--	80.0	168.0	20	80.0
80.2	DIVERNON OVERHEAD									
80.9	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
80.9	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
80.9	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
80.9	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.0	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.0	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.1	STRUCTURE 084-0108									
81.2	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.2	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.3	BEGIN 3 LANES									
81.4	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
81.6	NBDL	75	12	100.0	--	--	100.0	198.0	25	100.0
81.6	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
81.6	NBML	8	12	10.7	10.7	--	--	64.0	--	10.7
81.6	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
81.7	STRUCTURE 084-0110 (OVER IL 104)									
81.7	NBDL	50	12	66.7	--	--	66.7	148.0	17	66.7
81.7	NBML	20	12	26.7	--	--	26.7	88.0	14	26.7
81.7	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
81.7	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
82.3	NBML	15	12	20.0	--	20.0	--	78.0	--	20.0
82.3	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
82.6	NBML	45	6	30.0	--	--	30.0	114.0	30	30.0
82.8	NBML	10	6	6.7	6.7	--	--	44.0	--	6.7
82.8	NBML	7.5	6	5.0	5.0	--	--	36.0	--	5.0
83.1	NBDL	15	6	10.0	10.0	--	--	54.0	--	10.0
83.2	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
83.3	NBML	7.5	6	5.0	5.0	--	--	36.0	--	5.0
83.3	NBML	10	6	6.7	6.7	--	--	44.0	--	6.7
83.5	OLD ROUTE 66 OVERHEAD (GLENARM EXIT)									
83.8	NBDL	15	6	10.0	10.0	--	--	54.0	--	10.0
83.8	NBDL	30	6	20.0	--	20.0	--	84.0	10	20.0
83.8	NBDL	15	6	10.0	10.0	--	--	54.0	--	10.0
83.9	NBML	12	6	8.0	8.0	--	--	48.0	--	8.0
84.4	NBML	10	12	13.3	13.3	--	--	68.0	--	13.3
84.4	NBML	20	12	26.7	--	--	26.7	88.0	14	26.7
84.4	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
84.4	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
84.4	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
84.4	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
84.4	NBML	20	12	26.7	--	--	26.7	88.0	14	26.7
84.4	NBDL	50	12	66.7	--	--	66.7	148.0	17	66.7
84.5	STRUCTURE 084-0113									
84.5	NBDL	40	12	53.3	--	--	53.3	128.0	13	53.3
84.5	NBML	75	12	100.0	--	--	100.0	198.0	25	100.0
84.5	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
84.5	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
84.5	NBPL	6	12	8.0	8.0	--	--	60.0	--	8.0
85.7	PULLIAM ROAD OVERHEAD									
87.2	NBML	6	12	8.0	8.0	--	--	60.0	--	8.0
87.3	NEW CITY ROAD OVERHEAD									
88.5	EAST LAKE DRIVE OVERHEAD (CHATHAM EXIT)									
88.5	NBDL	35	12	46.7	--	--	46.7	118.0	12	46.7
88.5	NBML	8	12	10.7	10.7	--	--	64.0	--	10.7
88.6	NBDL	35	12	46.7	--	--	46.7	118.0	12	46.7
88.6	NBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
88.6	NBML	8	12	10.7	10.7	--	--	64.0	--	10.7
88.6	NBPL	10	12	13.3	13.3	--	--	68.0	--	13.3
88.9	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
89.2	LAKE SPRINGFIELD BRIDGE									
89.6	NBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
89.6	NBML	8	12	10.7	10.7	--	--	64.0	--	10.7
89.6	NBPL	8	12	10.7	10.7	--	--	64.0	--	10.7
97.7	EXIT 98 (I-72/CLEAR LAKE AVE.)									
Patching Subtotal:					362.7	40.0	856.7	4642.0	269	1259.3
Patching total:					474.7	136.0	1270.0	6774.0	393.0	1878.6



FAI 55



SB LANES



NB LANES

FAI 55  
THREE LANE SECTION

LEGEND

- ① EX AGGREGATE SUB-BASE 4"
- ② EX PCC PAVEMENT 9"
- ③ EX HOT -MIX ASPHALT SURFACE COURSE (VARIABLE THICKNESS)
- ④ EX HOT-MIX ASPHALT SHOULDERS
- ⑤ EX PIPE UNDERDRAIN

FILE NAME =	USER NAME = sharptd	DESIGNED -	REVISED -
S:\CONTRMAINT\CAD\72K22 - FAI 55 (1-55)	SAND-MONT-MACDUP - CLASS A PATCHES\PLANS\2018\DRAWN-6-tymsal.dgn	CHECKED -	REVISED -
Default	PLDT DATE = 2/8/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICALS	
SCALE: _____	SHEET ____ OF ____ SHEETS
STA. _____ TO STA. _____	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2018	VARIOUS	5	6
CONTRACT NO. 72K22				
ILLINOIS FED. AID PROJECT				