

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2020	MAC/MONT	6	1
		ILLINOIS	CONTRACT NO. 72M54	

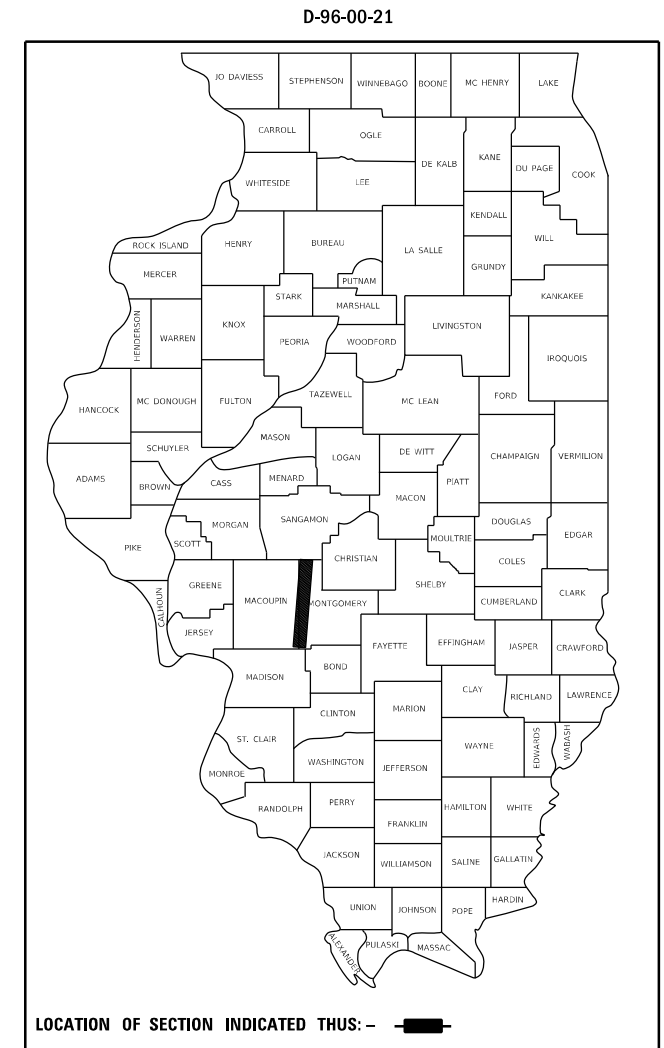
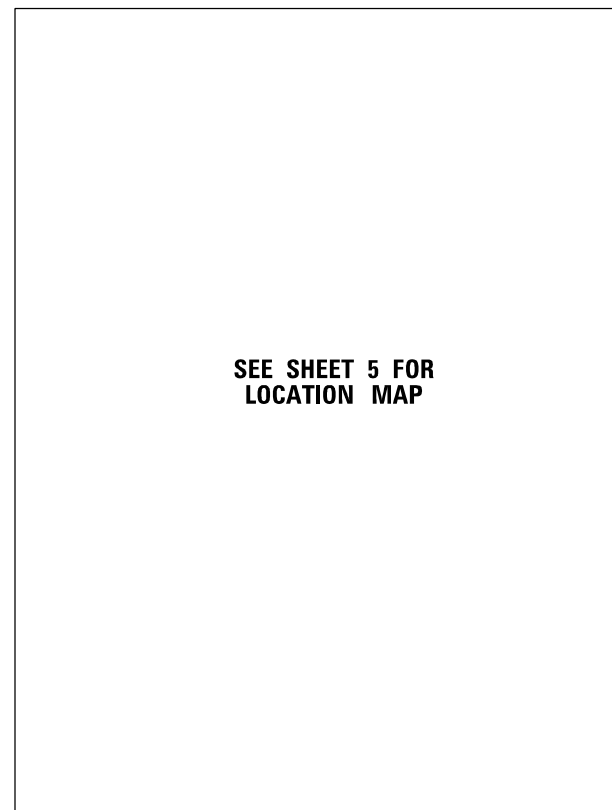
FOR INDEX OF SHEETS, SEE SHEET NO. \_\_\_

# PROPOSED HIGHWAY PLANS

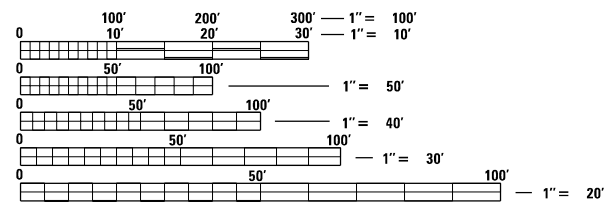
FAI 55 (I-55)  
SECTION D6 PATCHING 2020  
CLASS A PATCHES

MACOUPIN/MONTGOMERY

C-96-020-21



ADT = 15,000 (2019)  
SU = 450 (2019)  
MU = 4,000 (2019)



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: MIKE IRWIN  
PROJECT MANAGER: TIM SHARP

CONTRACT NO. 72M54

GROSS LENGTH = 201,168.00 FT. = 38.100 MILE  
NET LENGTH = 201,168.00 FT. = 38.100 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 7 2020

*John P. Myer*  
REGIONAL ENGINEER

January 29, 2021  
*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021  
*Samuel J. ...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX




SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	INDEX, STANDARDS, SIGNATURES
3.	SUMMARY OF QUANTITIES
4.	SCHEDULES
5.	LOCATION MAP
6.	TYPICAL SECTIONS

## STANDARDS

STANDARD NO.	DESCRIPTION
442001-04	CLASS A PATCHES
701101-05	OFF-RD OPERATIONS, MULTILINE, 15' TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILINE, MORE THAN 15' AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OF EXIT RAMP FOR SPEEDS $\geq$ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES

NOTE:  
TRAFFIC CONTROL AND PROTECTION MAY NEED  
TO BE COORDINATED WITH CONTRACT 72D31.

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	December 18 20 20
	
ENGINEER OF OPERATIONS	
EXAMINED	December 18 20 20
	
ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	December 18 20 20
	
ENGINEER OF PROGRAM DEVELOPMENT	

0-02175-6012  
 100% STATE  
 MAC/MONT  
 ROADWAY  
 0006  
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
44200610	CLASS A PATCHES, TYPE II, 13 INCH	SQ YD	375	375
44200612	CLASS A PATCHES, TYPE III, 13 INCH	SQ YD	120	120
44200614	CLASS A PATCHES, TYPE IV, 13 INCH	SQ YD	560	560
44213000	PATCHING REINFORCEMENT	SQ YD	1,055	1,055
44213200	SAW CUTS	FOOT	4,508	4,508
44213204	TIE BARS 3/4"	EACH	720	720
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6	6
70100800	TRAFFIC OCONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	30	30
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	250	250

MODEL: D:\m\h\...  
 FILE NAME: S:\CONTRACT\MANT\_CAD\72M54 - FAI 55 - Mac-Mont Co. - D6 Patching\_2020\PLANS\72M54-ait-3-500.dgn

USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 1.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 12/7/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2020	MAC/MONT	6	3
			CONTRACT NO. 72M54	
			ILLINOIS FED. AID PROJECT	

MODEL: D:\m\it...  
 FILE NAME: S:\CONTRACTMAINT\_CAD\72M54...  
 - D6 Patching\_2020\PLANS\72M54-sub-4-schedule.dwg  
 - D6 Patching\_2020\PLANS\_72M54...  
 - FAL 55 (I 55) - Macoupin Co. - D6 Patching\_2020\PLANS\_72M54-sub-4-schedule.dwg

MILE	LANE	LENGTH	WIDTH	AREA	CLASS A, 13 INCH			SAW CUTS	TIE BARS 3/4"	PAVEMENT 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>										
39.0	MACOUPIN/MADISON COUNTY LINE									
39.1	NBDL	8	12	10.7	10.7	--	--	64.0	--	10.7
40.1	NBDL	6	12	8.0	8.0	--	--	60.0	--	8.0
40.5	OVERHEAD STRUCTURE 059-0045 - STAUNTON RD.									
41.3	OVERHEAD STRUCTURE 059-0044 - OLD 66.									
41.6	OVERHEAD STRUCTURE 059-0043 - RAILROAD.									
42.1	OVERHEAD STRUCTURE 059-0042 - TALL TIMBER RD.									
43.1	STRUCTURE 059-0041 - OVER WOLF RD.									
44.1	OVERHEAD STRUCTURE 059-0039 - IL 138.									
46.0	OVERHEAD STRUCTURE 059-0038 - KAHO RD.									
48.2	OVERHEAD STRUCTURE 059-0037 - LITCHFIELD TRAIL (CH 29)									
48.2	NBDL	15	6	10.0	10.0	--	--	54.0	--	10.0
48.2	NBDL	15	6	10.0	10.0	--	--	54.0	--	10.0
50.4	MACOUPIN/MONTGOMERY COUNTY LINE									
<b>I-55 NORTHBOUND - MONTGOMERY COUNTY</b>										
50.4	MACOUPIN/MONTGOMERY COUNTY LINE									
50.8	OVERHEAD STRUCTURE 068-0052 - AIRPORT TRAIL.									
52.4	OVERHEAD STRUCTURE 068-0051 - IL 16.									
53.6	13TH AVENUE OVERHEAD									
54.2	STRUCTURE 068-0048									
54.8	E. 2ND ROAD OVERHEAD									
55.7	STRUCTURE 068-0045									
57.1	16TH AVENUE OVERHEAD									
60.2	IL 108 OVERHEAD (CARLINVILLE EXIT)									
60.8	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
60.9	DL	30	6	20.0	--	20.0	--	84.0	28.0	20.0
62.0	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
62.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
62.9	DL	15	6	10.0	10.0	--	--	54.0	--	10.0
62.9	DL	50	6	33.3	--	--	33.3	124.0	48.0	33.3
63.2	PL	10	12	13.3	13.3	--	--	68.0	--	13.3
63.3	OVERHEAD STRUCTURE 068-0042 - IL 48.									
63.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
63.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.0	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.1	DL	15	6	10.0	10.0	--	--	54.0	--	10.0
64.1	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.2	DL	40	6	26.7	--	--	26.7	104.0	38.0	26.7
64.2	DL	25	6	16.7	--	16.7	--	74.0	23.0	16.7
64.2	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
<b>NORTHBOUND SUBTOTALS:</b>					116.0	36.7	60.0	1118.0	137.0	212.7

MILE	LANE	LENGTH	WIDTH	AREA	CLASS A, 13 INCH			SAW CUTS	TIE BARS 3/4"	PAVEMENT REINF.
					TY II	TY III	TY IV			
MARKER	DL/ML/PL	(FT)	(FT)	(S.Y.)	(S.Y.)	(S.Y.)	(FT)	(EA.)	(S.Y.)	
64.3	DL	12	6	8.0	8.0	--	--	48.0	--	8.0
64.3	DL	12	6	8.0	8.0	--	--	48.0	--	8.0
64.3	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
64.3	PL	35	12	46.7	--	--	46.7	118.0	33.0	46.7
64.3	PL	35	12	46.7	--	--	46.7	118.0	33.0	46.7
64.3	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
64.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.3	PL	40	12	53.3	--	--	53.3	128.0	38.0	53.3
64.4	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.4	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.4	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.4	DL	10	12	13.3	13.3	--	--	68.0	--	13.3
64.5	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
64.5	DL	15	6	10.0	10.0	--	--	54.0	--	10.0
64.5	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
64.5	PL	50	12	66.7	--	--	66.7	148.0	48.0	66.7
64.6	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.6	DL	10	12	13.3	13.3	--	--	68.0	--	13.3
64.7	DL	35	6	23.3	--	23.3	--	94.0	33.0	23.3
64.7	DL	15	6	10.0	10.0	--	--	54.0	--	10.0
64.7	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
65.0	REST AREA									
65.0	PL	35	12	46.7	--	--	46.7	118.0	33.0	46.7
65.0	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
65.0	DL	25	12	33.3	--	--	33.3	98.0	23.0	33.3
65.0	DL	10	12	13.3	13.3	--	--	68.0	--	13.3
65.0	DL	20	6	13.3	13.3	--	--	64.0	18.0	13.3
65.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
65.3	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
65.3	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
65.3	DL	12	6	8.0	8.0	--	--	48.0	--	8.0
67.1	OVERHEAD STRUCTURE 068-0041 - COUNTY HIGHWAY 16 (WAGONER AVE)									
68.4	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
68.4	DL	30	12	40.0	--	--	40.0	108.0	28.0	40.0
70.0	OVERHEAD STRUCTURE 068-0040 - MORRISONVILLE AVENUE.									
71.2	STRUCTURE 068-0038.									
71.7	OVERHEAD STRUCTURE 068-0037 - COUNTY HIGHWAY 17.									
71.7	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
71.7	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
71.9	DL	70	6	46.7	--	--	46.7	164.0	68.0	46.7
74.1	OVERHEAD STRUCTURE 068-0036 - 33RD AVENUE.									
74.8	DL	12	6	8.0	8.0	--	--	48.0	--	8.0
75.2	DL	30	6	20.0	--	20.0	--	84.0	28.0	20.0
75.6	OVERHEAD STRUCTURE 068-0035 - VIRDEN AVENUE.									
75.6	DL	30	6	20.0	--	20.0	--	84.0	28.0	20.0
77.1	SANGAMON/MONTGOMERY COUNTY LINE									
<b>NORTHBOUND SUBTOTALS:</b>					204.0	63.3	380.0	2534.0	411.0	647.3
<b>NORTHBOUND TOTALS:</b>					320.0	100.0	440.0	3652.0	548.0	860.0

MILE	LANE	LENGTH	WIDTH	AREA	CLASS A, 13 INCH			SAW CUTS	TIE BARS 3/4"	PAVEMENT 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 SOUTHBOUND - MONTGOMERY COUNTY</b>										
77.1	SANGAMON/MONTGOMERY COUNTY LINE									
75.6	OVERHEAD STRUCTURE 068-0035 - VIRDEN AVENUE.									
74.3	DL	50	6	33.3	--	--	33.3	124.0	48.0	33.3
74.1	OVERHEAD STRUCTURE 068-0036 - 33RD AVENUE.									
71.7	OVERHEAD STRUCTURE 068-0037 - COUNTY HIGHWAY 17.									
71.2	STRUCTURE 068-0038.									
70.0	OVERHEAD STRUCTURE 068-0040 - MORRISONVILLE AVENUE.									
67.1	OVERHEAD STRUCTURE 068-0041 - COUNTY HIGHWAY 16 (WAGONER AVE)									
65.3	REST AREA									
64.9	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.9	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
64.2	DL	30	12	40.0	--	--	40.0	108.0	28.0	40.0
63.3	OVERHEAD STRUCTURE 068-0042 - IL 48.									
61.2	DL	8	12	10.7	10.7	--	--	64.0	--	10.7
61.2	DL	10	6	6.7	6.7	--	--	44.0	--	6.7
60.2	IL 108 OVERHEAD (CARLINVILLE EXIT)									
57.1	16TH AVENUE OVERHEAD									
55.7	STRUCTURE 068-0045									
54.8	E. 2ND ROAD OVERHEAD									
54.2	STRUCTURE 068-0048									
53.6	13TH AVENUE OVERHEAD									
52.4	OVERHEAD STRUCTURE 068-0051 - IL 16.									
52.3	DL	8	6	5.3	5.3	--	--	40.0	--	5.3
52.3	DL	12	6	8.0	8.0	--	--	48.0	--	8.0
50.8	OVERHEAD STRUCTURE 068-0052 - AIRPORT TRAIL									
50.4	MACOUPIN/MONTGOMERY COUNTY LINE									
<b>I-55 SOUTHBOUND - MACOUPIN COUNTY</b>										
50.4	MACOUPIN/MONTGOMERY COUNTY LINE									
48.2	OVERHEAD STRUCTURE 059-0037 - LITCHFIELD TRAIL (CH 29)									
46.0	OVERHEAD STRUCTURE 059-0038 - KAHO RD.									
44.1	OVERHEAD STRUCTURE 059-0039 - IL 138.									
43.1	STRUCTURE 059-0041 - OVER WOLF RD.									
42.1	OVERHEAD STRUCTURE 059-0042 - TALL TIMBER RD.									
41.5	DL	30	6	20.0	--	20.0	--	84.0	28.0	20.0
41.3	PL	6	12	8.0	8.0	--	--	60.0	--	8.0
41.3	OVERHEAD STRUCTURE 059-0044 - OLD 66.									
40.7	DL	70	6	46.7	--	--	46.7	164.0	68.0	46.7
40.5	OVERHEAD STRUCTURE 059-0045 - STAUNTON RD.									
39.0	MACOUPIN/MADISON COUNTY LINE									
<b>SOUTHBOUND TOTALS:</b>					54.7	20.0	120.0	856.0	172.0	194.7
<b>NORTHBOUND TOTALS:</b>					320.0	100.0	440.0	3652.0	548.0	860.0
<b>TOTALS</b>					374.7	120.0	560.0	4508.0	720.0	1054.7

USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 1.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 12/7/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2020-1	LOGAN	6	4
CONTRACT NO. 72M55				
		ILLINOIS	FED. AID PROJECT	



END PROJECT  
MONT/SANG  
CO. LINE

BEGIN PROJECT  
MAC/MONT  
CO LINE

MODEL: Default  
FILE NAME: S:\CONTRACT\MONT CAD\72M54 - FAI 55 - Mac-Mont Co. - D6 Patching 2020\PLANS\72M54-ait-5-location map.dgn

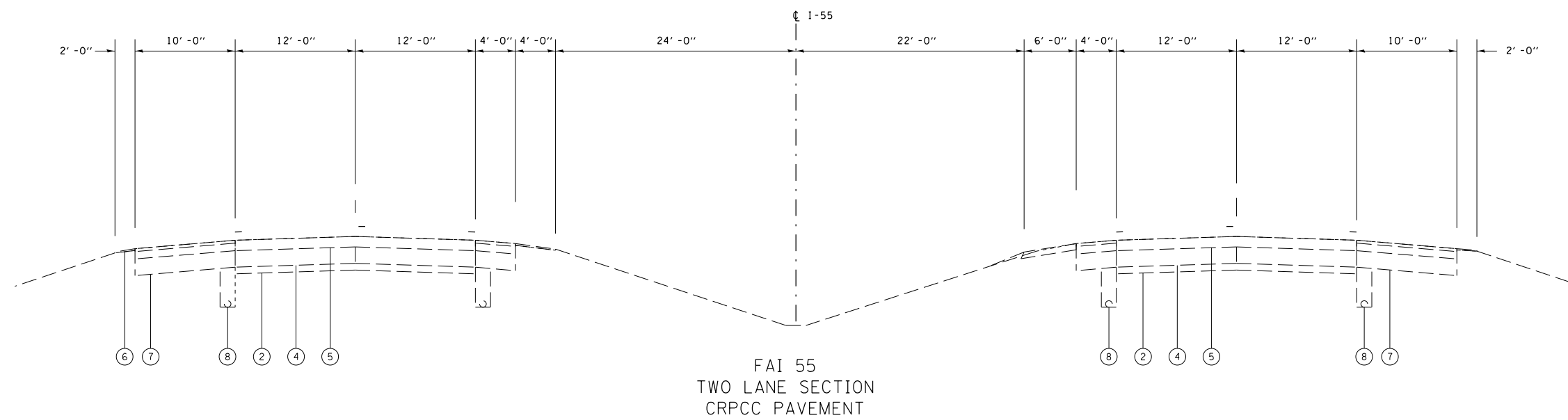
USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 1,000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 12/7/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2020	MAC/MONT	6	5
CONTRACT NO. 72M54				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ① EX STABILIZED SUB-BASE 4"
- ② EX AGGREGATE SUB-BASE 4"
- ③ EX PCC PAVEMENT 9"
- ④ EX CRPCC PAVEMENT
- ⑤ EX HOT -MIX ASPHALT SURFACE COURSE (VARIABLE THICKNESS)
- ⑥ EX AGGREGAE SHOULDERS
- ⑦ EX HOT-MIX ASPHALT SHOULDERS
- ⑧ EX PIPE UNDERDRAIN

FILE NAME = S:\CONTRMAINT_CAD\72M54 - FAI 55 (1 55)	USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____
	Mac-Mont Co. - D6 Patching 2020\PLANS\72M54	DRAWN _____	REVISED - _____
Default	PLOT SCALE = 60.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 12/7/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICALS</b>	
SCALE: _____	SHEET ____ OF ____ SHEETS
STA. _____ TO STA. _____	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING 2020	MAC/MONT	6	6
<b>CONTRACT NO. 72M54</b>				
ILLINOIS FED. AID PROJECT				