

04-27-2018 LETTING ITEM 156

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING I 55 2018-2	SANG/LOGAN	6	1
		ILLINOIS	CONTRACT NO. 72K51	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED IMPROVEMENTS

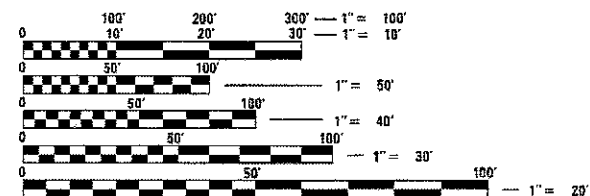
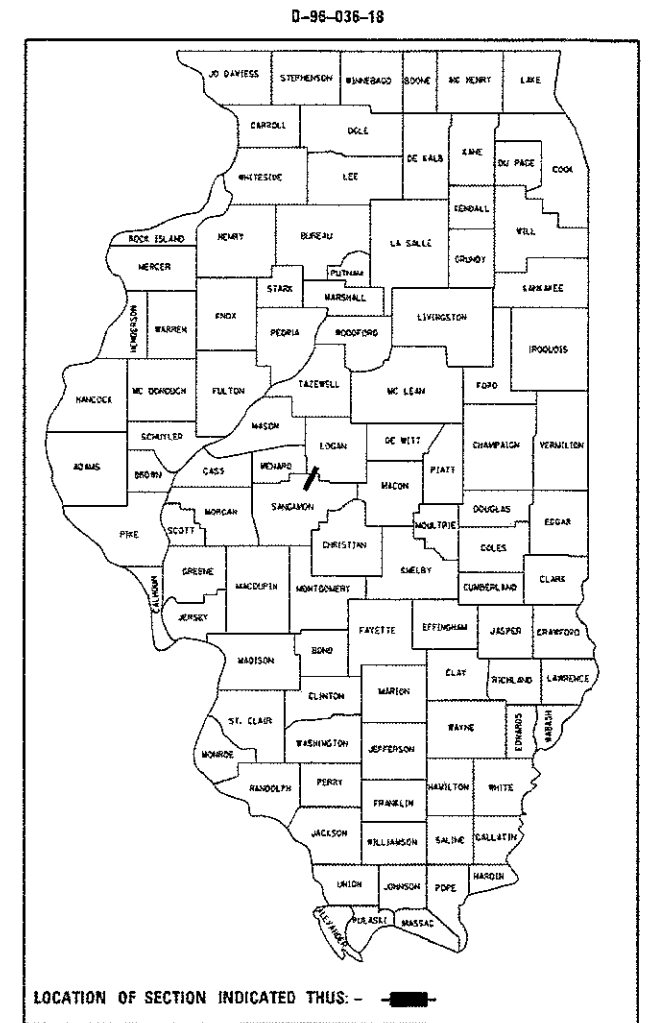
FAI 55 (I 55)
D6 PATCHING I 55 2018-2
PATCHING

SANGAMON/LOGAN CO.

C-96-077-18

SANGAMON CO.
ADT = 18,100
SU = 1,350
MU = 4,200

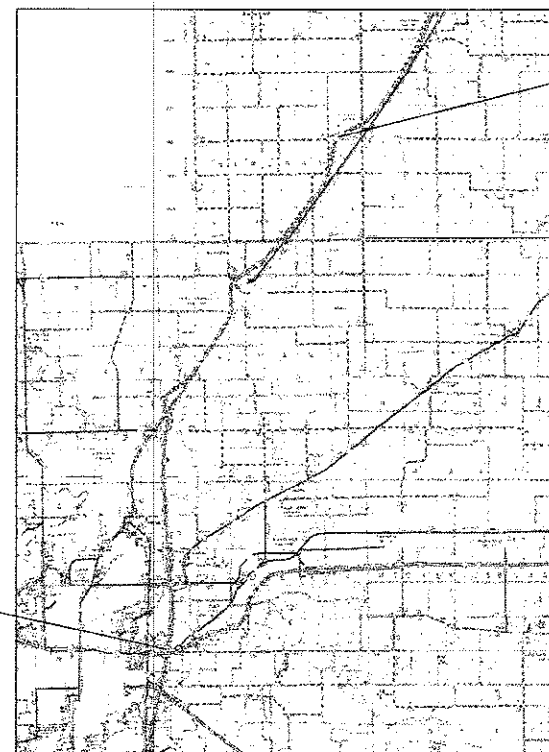
LOGAN CO.
ADT = 17,400
SU = 1,550
MU = 3,900



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

BEGIN PROJECT



END PROJECT

SANGAMON/LOGAN
COUNTY LINE

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

CONTRACT NO. 72K51

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 27 20 18
Nathan M. Smith
REGION FOUR ENGINEER

March 23 20 18
as
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 18
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

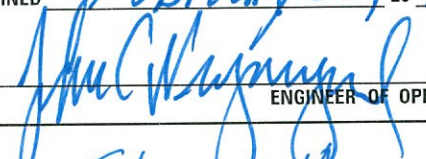
STANDARDS


STANDARD NO.	DESCRIPTION
442001-04	CLASS A PATCHES
442101-08	CLASS B 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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED February 22, 2018

 ENGINEER OF OPERATIONS

EXAMINED February 14, 2018

 ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED February 14, 2018

 ENGINEER OF PROGRAM DEVELOPMENT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01624-6023	0-01624-6023
				100% STATE	100% STATE
				SANGAMON	LOGAN
				ROADWAY	ROADWAY
				0006	0006
				RURAL	RURAL
44200645	CLASS A PATCHES, TYPE II, 16 INCH	SQ YD	21.4	0.0	21.4
44200646	CLASS A PATCHES, TYPE III, 16 INCH	SQ YD	16.0	0.0	16.0
44200647	CLASS A PATCHES, TYPE IV, 16 INCH	SQ YD	46.7	0.0	46.7
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	98.6	98.6	0.0
44201289	DOWEL BARS 1 1/2"	EACH	220.0	220.0	0.0
44213000	PATCHING REINFORCEMENT	SQ YD	84.1	0.0	84.1
44213100	PAVEMENT FABRIC	SQ YD	98.6	0.0	98.6
44213200	SAW CUTS	FOOT	862.0	544.0	318.0
44213204	TIE BARS 3/4"	EACH	24.0	0.0	24.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	5.0	4.0	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.5	0.5
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1.0	0.5	0.5
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1.0	0.5	0.5
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0	0.5	0.5
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	10.0	5.0	5.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	20.0	10.0	10.0

17



BEGIN PROJECT

END PROJECT

SANGAMON/LOGAN COUNTY LINE

FILE NAME = S:\CONTRMAINT_CAD\72K51 - D6 Patching I	USER NAME = sharptd	DESIGNED - _____	REVISED - _____
55 2018-2\PLANS\72K51-sht-4-plans.dgn		DRAWN - _____	REVISED - _____
Default	PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 3/5/2018	DATE - _____	REVISED - _____

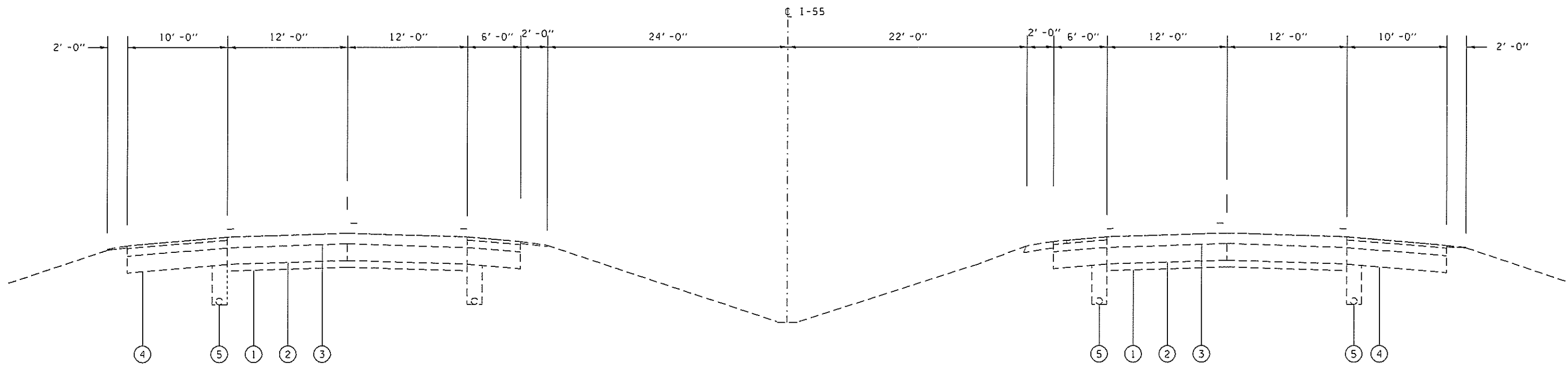
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

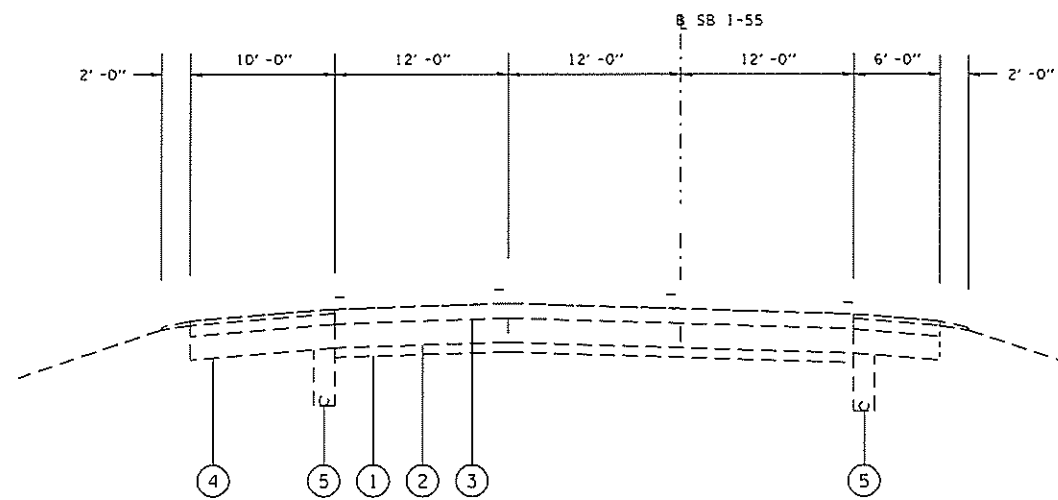
SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 PATCHING I 55 2018-2	SANG/LOGAN	6	4
CONTRACT NO. 72K51				
ILLINOIS FED. AID PROJECT				

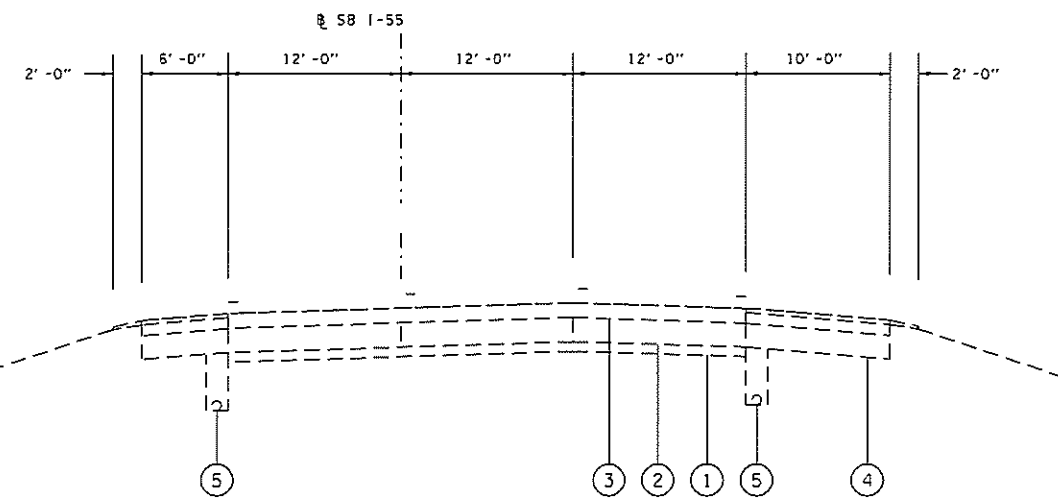
MILE	LANE	LENGTH	WIDTH	AREA	CLASS B, 16 INCH			SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS 3/4"	PAVEMENT FABRIC	CLASS A, 16 INCH			PATCHING REINF.
					TY II	TY III	TY IV					TY II	TY III	TY IV	
MARKER	DL/ML/PL	(FT)	(FT)	(S.Y.)	(S.Y.)	(S.Y.)	(S.Y.)	(FT)	(EA.)	(EA.)	(S.Y.)	(S.Y.)	(S.Y.)	(S.Y.)	
I-55 NORTHBOUND - SANGAMON COUNTY															
99.2	RIDGLEY AVENUE OVERHEAD														
99.2	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
99.3	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
99.8	EXIT 100 (IL 54/SANGAMON AVE)														
100.2	NBDL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
100.2	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
100.7	BISSELL ROAD OVERHEAD														
100.7	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
100.9	NBDL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
100.9	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
102.6	SN 084-0018 (SANGAMON RIVER)														
104.1	NBDL	10	12	13.3	13.3	--	--	56.0	20	--	13.3	--	--	--	--
104.1	NBPL	10	12	13.3	13.3	--	--	56.0	20	--	13.3	--	--	--	--
104.2	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
105.3	SUDDUTH ROAD OVERHEAD														
105.4	NBPL	6	12	8.0	8.0	--	--	48.0	20	--	8.0	--	--	--	--
I-55 SOUTHBOUND - LOGAN COUNTY															
111.1	SANGAMON/LOGAN COUNTY LINE														
113.7	SBPL	35	12	46.7	--	--	--	118.0	--	24	--	--	--	46.7	118.0
114.1	SBPL	12	12	16.0	--	--	--	72.0	--	--	--	--	16.0	--	72.0
114.1	SBML	8	12	10.7	--	--	--	64.0	--	--	--	10.7	--	--	64.0
114.1	SBDL	8	12	10.7	--	--	--	64.0	--	--	--	10.7	--	--	64.0
Patching Subtotal:					98.6	0.0	0.0	862.0	--	24.0	98.6	21.4	16.0	46.7	84.1



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 = shorptd	DESIGNED - _____	REVISED - _____
S:\CDTRM\MAINT\CAD\72K51 - D6 Patching I	55 2018-2\PLANS\72K51-shr-5-typical.dgn	DRAWN - _____	REVISED - _____
Default	PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = 2/5/2018	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	06 PATCHING 1 55 2018-2	SANG/LOGAN	6	6
CONTRACT NO. 72K51				
ILLINOIS FED. AID PROJECT				