

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

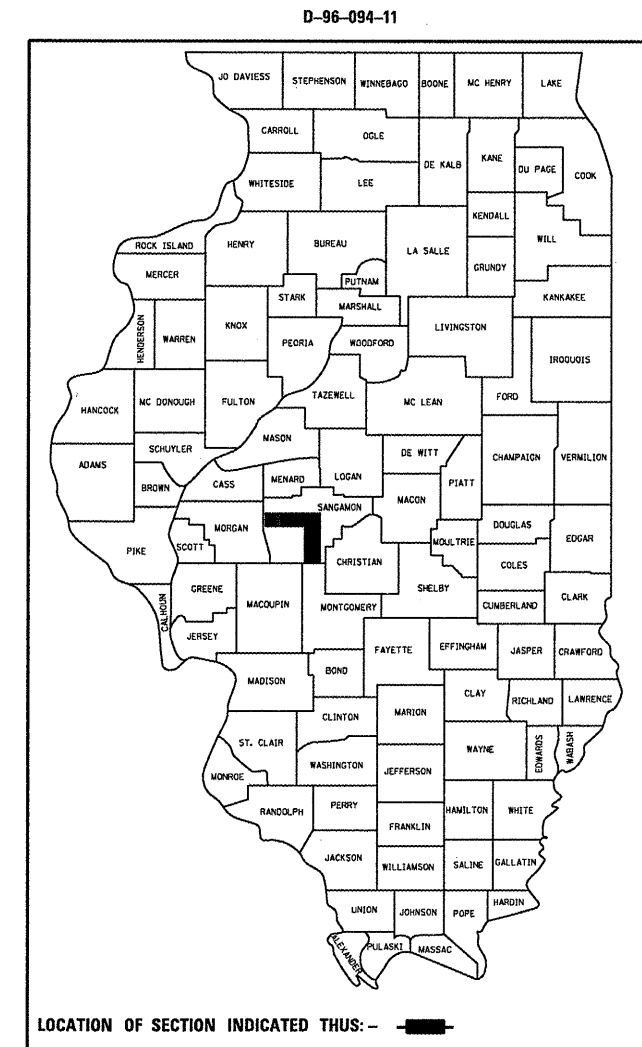
**PROPOSED
 CONTRACT MAINTENANCE**

FAI 55 & FAI 72 (I55, I 72)
 SECTION D6 PATCHING 2012

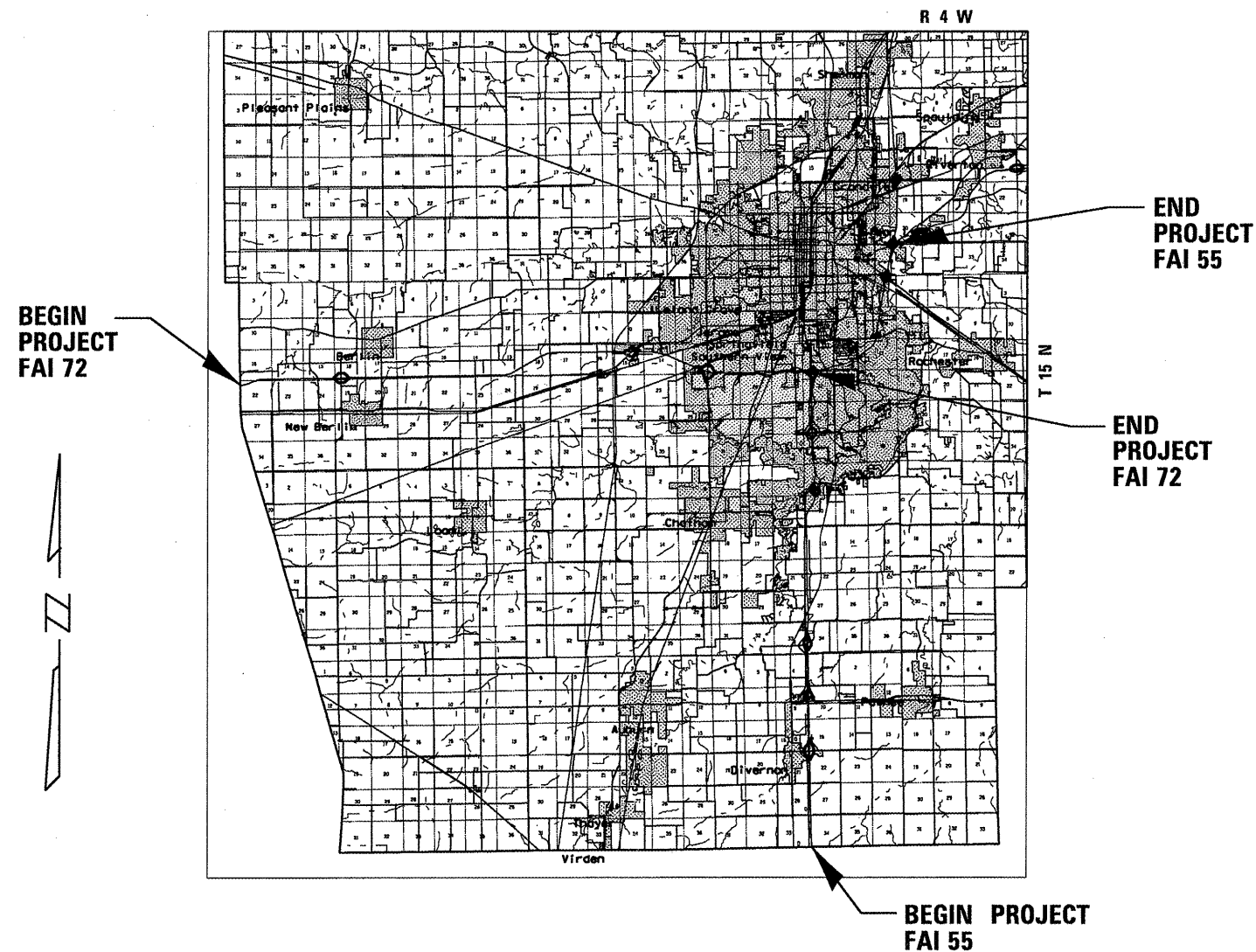
SANGAMON COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55 & 72	D6 PATCHING 2012	SANGAMON	10	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 72E60		

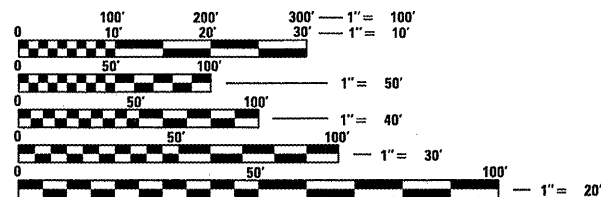
FOR INDEX OF SHEETS, SEE SHEET NO. 2



C-96-094-11



FAI 55 ADT 51,100 (13,600)
 FAI 72 ADT 31,200 (3,200)



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

PLAN AND CONTRACT TECHNICIAN
 TIMOTHY SHARP (217)782-7743

CONTRACT NO. 72E60

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED July 22 20 11
Ray P. P...
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Aug 19 20 11
Scott E. Stitt, P.E., J.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

Aug 19 20 11
Christine N. Reed, J.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER


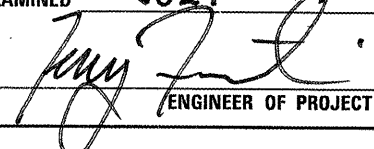

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INDEX

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STANDARDS

442001-04
701101-02
701106-02
701400-05
701401-06
701411-07
701446-02
701456-01
701901-01

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED <u>July 20</u> 20 <u>11</u>	 ENGINEER OF OPERATIONS
EXAMINED <u>July 19</u> 20 <u>11</u>	 ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED <u>July 7</u> 20 <u>11</u>	 ENGINEER OF PROGRAM DEVELOPMENT

INDEX/STANDARDS/SIGNATURES
FAI 55 & FAI 72 (I 55, I 72)
SECTION D6 PATCHING 2012
SANGAMON COUNTY

S U M M A R Y O F Q U A N T I T I E S

CODE NO.	ITEM	UNIT	100% STATE		
			0005		
			FAI 55	FAI 72	TOTAL QTY
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD		82.7	82.7
44200581	CLASS A PATCHES, TYPE III, 12 INCH	SQ YD		88.0	88.0
44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD		99.9	99.9
44200608	CLASS A PATCHES, TYPE I, 13 INCH	SQ YD	4.0		4.0
44200610	CLASS A PATCHES, TYPE II, 13 INCH	SQ YD	98.6		98.6
44200612	CLASS A PATCHES, TYPE III, 13 INCH	SQ YD	34.7		34.7
44200614	CLASS A PATCHES, TYPE IV, 13 INCH	SQ YD	173.4		173.4
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	37.2		37.2
44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SQ YD	40.9		40.9
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	271.9		271.9

QUANTITIES
FAI 55 & FAI 72 (I 55, I 72)
SECTION D6 PATCHING 2012
SANGAMON COUNTY

S U M M A R Y O F Q U A N T I T I E S

CODE NO.	ITEM	UNIT	100% STATE		
			0005		
			FAI 55	FAI 72	TOTAL QTY
44201299	DOWEL BARS 1 1/2"	EACH	792	51	843
44213000	PATCH REINFORCEMENT	SQ YD	391.6	270.6	662.2
44213200	SAW CUTS	FOOT	13,498	1,270	4,768
44213204	TIE BARS 3/4"	EACH	42 37	39	76
67100100	MOBILIZATION	L SUM	710.6	0.4	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6	4	10
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	0.6	0.4	1
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	2
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	75	75	150
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	0.6	0.4	1

QUANTITIES
FAI 55 & FAI 72 (I 55, I 72)
SECTION D6 PATCHING 2012
SANGAMON COUNTY



BEGIN
I 72 WORK

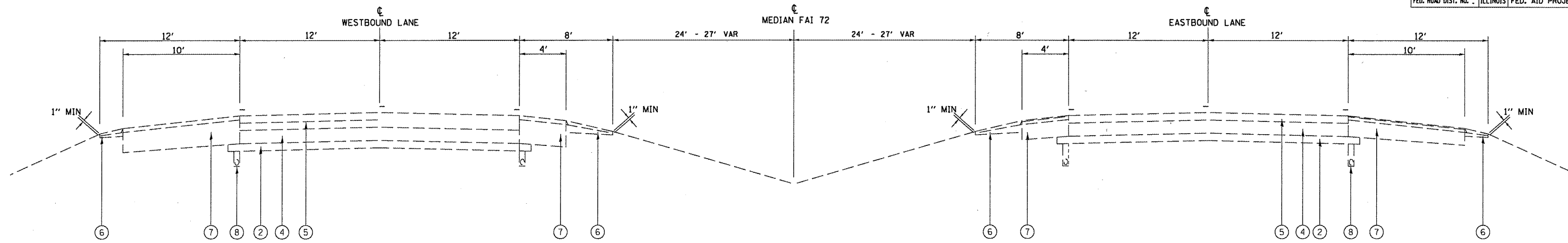
END I 55 WORK

END I 72 WORK

BEGIN I 55 WORK

PLAN
FAI 55 & FAI 72 (I 55, I 72)
SECTION D6 PATCHING 2012
SANGAMON COUNTY

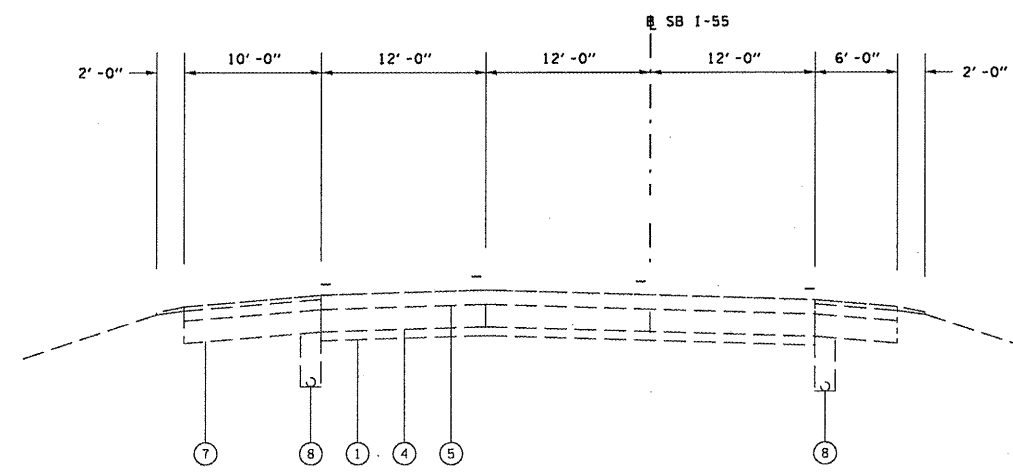
CONTRACT NO. 72E60				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/72	D6 PATCHING 2012	SANGAMON	10	6
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		



WB LANES

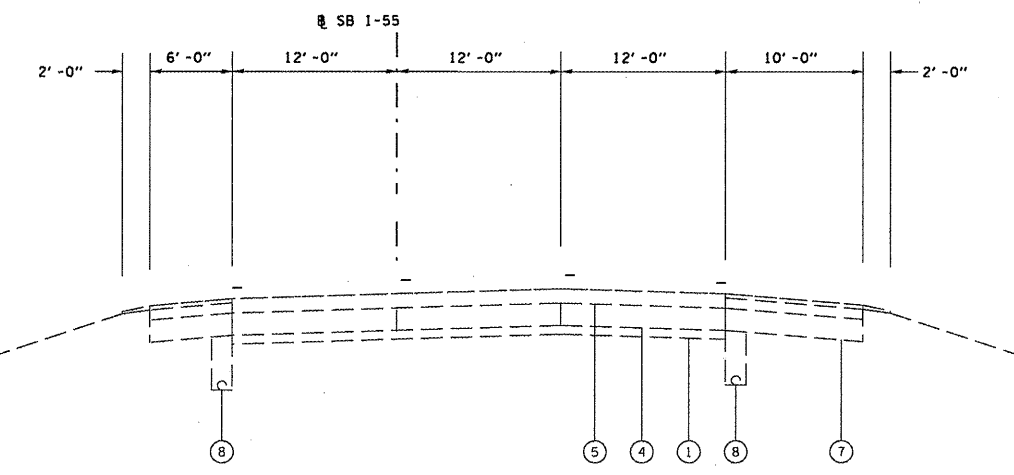
FAI - 72

EB LANES



SB LANES

STA 80+88 TO 83+88



NB LANES

STA 80+88 TO 83+88

FAI 55
THREE LANE SECTION

- LEGEND**
- ① EX STABILIZED SUB-BASE 4"
 - ② EX AGGREGATE SUB-BASE 4"
 - ③ EX PCC PAVEMENT 10"
 - 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

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REVISIONS	
NAME	DATE

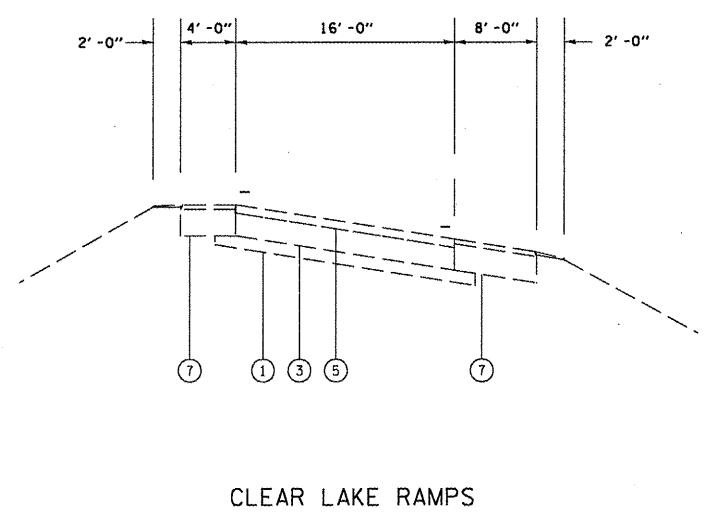
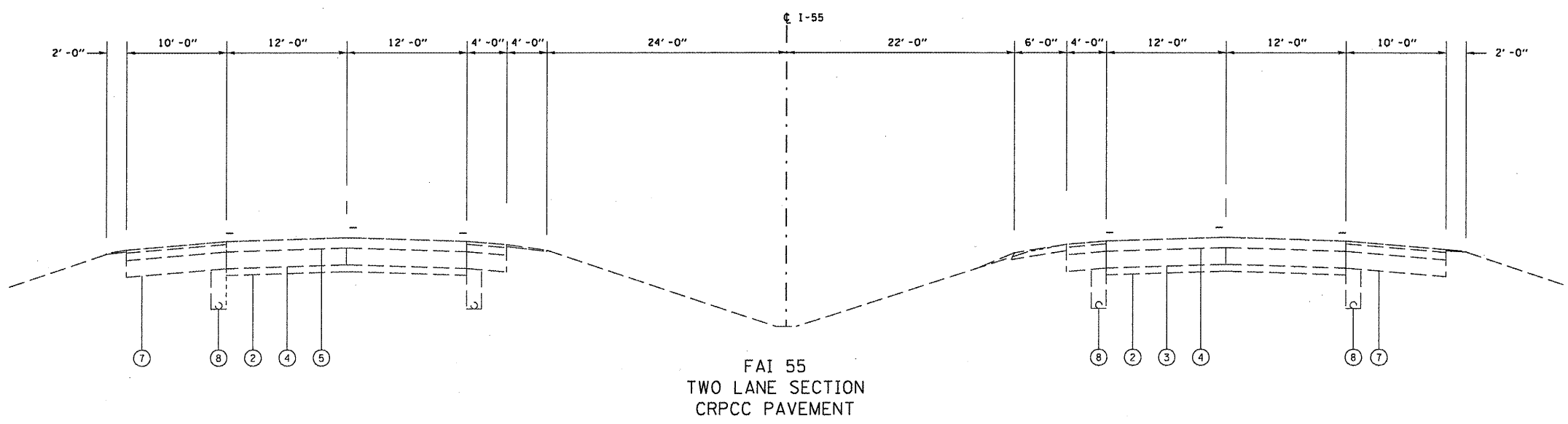
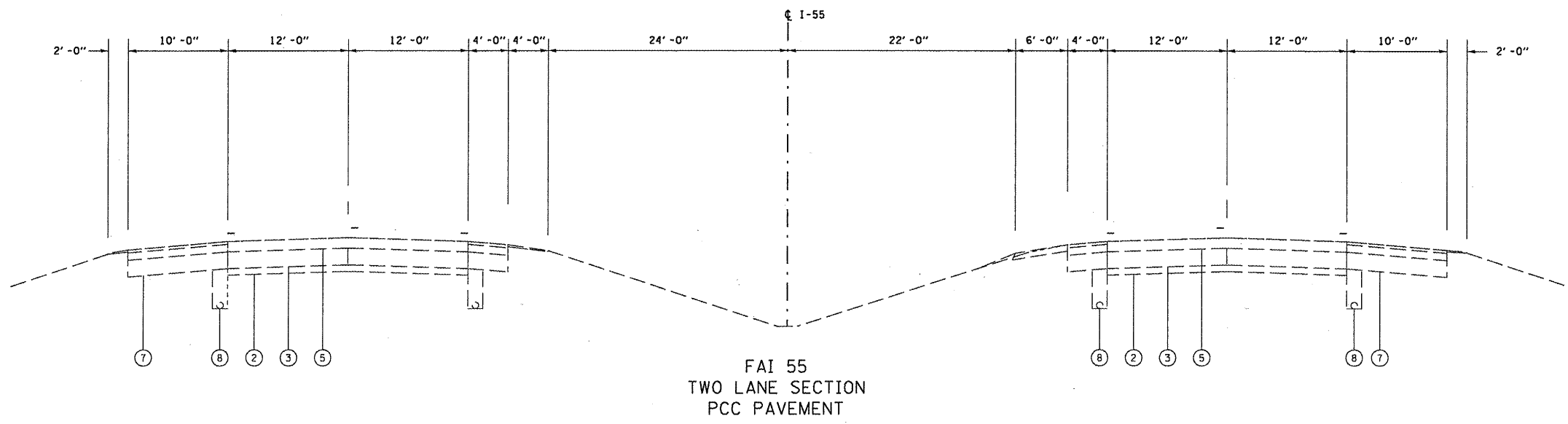
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

FAI 55 & FAI 72 (I 55, I 72)
SECTION D6 PATCHING 2012
SANGAMON COUNTY

SCALE: _____ DRAWN BY _____
DATE _____ CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/72	D6 PATCHING 2012	SANGAMON	10	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



LEGEND

- ① EX STABILIZED SUB-BASE 4"
- ② EX AGGREGATE SUB-BASE 4"
- ③ EX PCC PAVEMENT 10"
- 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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 FAI 55 & FAI 72 (I 55, I 72)
 SECTION D6 PATCHING 2012
 SANGAMON COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

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 USER NAME = shampd

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/72	D6 PATCHING 2012	SANGAMON	10	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOCATION	CLASS A PATCHES					CLASS B PATCHES				CLASS A PATCHES			CLASS B PATCHES			SAW CUTS	TIE BARS	DOWEL BARS	PATCH REINF								
	LENGTH (FT)	WIDTH	SQ YD	PASS.	CENT.	DRIV.	WIDTH	SQ YD	12 IN	12 IN	12 IN	12 IN	12 IN	12 IN	13 IN					13 IN	13 IN	13 IN	16 IN	16 IN	16 IN		
									TY II	TY III	TY IV	TY II	TY III	TY IV	TY I					TY II	TY III	TY IV	TY II	TY III	TY IV		
NORTHBOUND I-55	PASS.	CENT.	DRIV.			PASS.	CENT.	DRIV.																			
STA 437+15			6.0	12.0	8.0										8.0						60.0		8.0				
STA 232+10			6.0	12.0	8.0										8.0						60.0		8.0				
STA 144+408			6.0	12.0	8.0										8.0						60.0		8.0				
STA 144+408	10.0			12.0	13.3										13.3						60.0		13.3				
STA 144+414			6.0	12.0	8.0										8.0						60.0		8.0				
STA 144+517			23.0	12.0	30.7												30.7				94.0	12	30.7				
STA 144+898			6.0	12.0	8.0										8.0						60.0		8.0				
STA 145+191			25.0	12.0	33.3												33.3				98.0	13	33.3				
STA 145+215			6.0	12.0	8.0										8.0						60.0		8.0				
STA 32+80								6.0	12.0	8.0									8.0		48.0		20				
STA 32+95								6.0	12.0	8.0									8.0		48.0		20				
STA 72+00							6.0		12.0	8.0									8.0		48.0		20				
STA 72+00								6.0		12.0	8.0								8.0		48.0		20				
STA 73+00								6.0		12.0	8.0								8.0		48.0		20				
STA 73+00								6.0		12.0	8.0								8.0		48.0		20				
STA 80+30								6.0	12.0	8.0									8.0		48.0		20				
STA 98+05								6.0	12.0	8.0									8.0		48.0		20				
STA 98+05								6.0	12.0	8.0									8.0		48.0		20				
STA 197+50								6.0	12.0	8.0									8.0		48.0		20				
STA 197+50								6.0	12.0	8.0									8.0		48.0		20				
STA 201+80								6.0	12.0	8.0									8.0		48.0		20				
STA 210+20								6.0	12.0	8.0									8.0		48.0		20				
STA 212+40								6.0	12.0	8.0									8.0		48.0		20				
STA 213+05								6.0	12.0	8.0									8.0		48.0		20				
STA 232+00								6.0	12.0	8.0									8.0		48.0		20				
STA 241+40								6.0	12.0	8.0									8.0		48.0		20				
EXIT RAMP - I-55																											
/I-72(CLEARLAKE)																											
STA 21+00								6.0	8.0	5.3											36.0		20				
STA 21+75								6.0	8.0	5.3											36.0		20				
STA 22+50								6.0	8.0	5.3											36.0		20				
STA 22+80								6.0	8.0	5.3											36.0		20				
STA 23+25								6.0	8.0	5.3											36.0		20				
STA 26+00								6.0	16.0	10.7											60.0		26				
STA 27+00								23.0	16.0	40.9											94.0		26				
N.B. TOTALS					125.3					214.2	0.0	0.0	0.0	37.2	0.0	40.9	0.0	61.3	0.0	64.0	136.0	0.0	0.0	1762.0	25	492	166.2

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE
 FAI 55& FAI 72 (I 55, I 72)
 SECTION D6 PATCHING 2012
 SANGAMON COUNTY
 SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/72	D6 PATCHING 2012	SANGAMON	10	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOCATION	CLASS A PATCHES					CLASS B PATCHES				CLASS A PATCHES			CLASS B PATCHES			SAW CUTS	TIE BARS	DOWEL BARS	PATCH REINF												
	PASS.	CENT.	DRIV.	WIDTH	SQ YD	PASS.	CENT.	DRIV.	WIDTH	SQ YD	12 IN TY II	12 IN TY III	12 IN TY IV	13 IN TY I	13 IN TY II					13 IN TY III	13 IN TY IV	16 IN TY II	16 IN TY III	16 IN TY IV	FOOT	EACH	EACH	SQ YD			
WESTBOUND I-72																															
STA 485+50			25.0	12.0	33.3							33.3												98.0	13	17	33.3				
STA 485+50	6.0			12.0	8.0						8.0													60.0			8.0				
STA 470+00			6.0	12.0	8.0						8.0													60.0			8.0				
STA 409+10			6.0	12.0	8.0						8.0													60.0			8.0				
STA 408+10			12.0	12.0	16.0							16.0												72.0			16.0				
STA 242+50			15.0	12.0	20.0							20.0												78.0			20.0				
STA 242+50	15.0			12.0	20.0							20.0												78.0			20.0				
STA 232+50			6.0	12.0	8.0						8.0													60.0			8.0				
STA 207+50			12.0	12.0	16.0							16.0												72.0			16.0				
STA 100+50			8.0	12.0	10.7						10.7													64.0			10.7				
STA 485+50			25.0	12.0	33.3							33.3												98.0	13	17	33.3				
EASTBOUND I-72																															
STA 21+00			25.0	12.0	33.3							33.3												98.0	13	17	33.3				
STA 185+00			6.0	12.0	8.0						8.0													60.0			8.0				
STA 207+50			12.0	12.0	16.0							16.0												72.0			16.0				
STA 197+50			6.0	12.0	8.0						8.0													60.0			8.0				
STA 100+50			6.0	12.0	8.0						8.0													60.0			8.0				
STA 100+50			6.0	12.0	8.0						8.0													60.0			8.0				
STA 100+50			6.0	12.0	8.0						8.0													60.0			8.0				
S.B. TOTALS					270.7						0.0	82.7	88.0	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1270.0	39	51	270.6

MIXTURE REQUIREMENTS	
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT	
MIXTURE USE(S):	H.M.A. SHLDR REM & REP
AC/PG	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 70
MIXTURE COMP:	IL 9.5 or IL 12.5
FRICITION AGG:	MIX 'C'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE
 FAI 55& FAI 72 (I 55, I 72)
 SECTION D6 PATCHING 2012
 SANGAMON COUNTY
 SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

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