

048

01-17-2020 LETTING ITEM 048

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	159-1,2 & 68-1)CJS	-	11	1
ILLINOIS			CONTRACT NO. 72L30	

* MACOUPIN & MONTGOMERY

D-96-052-19



LOCATION OF SECTION INDICATED THUS: —■—

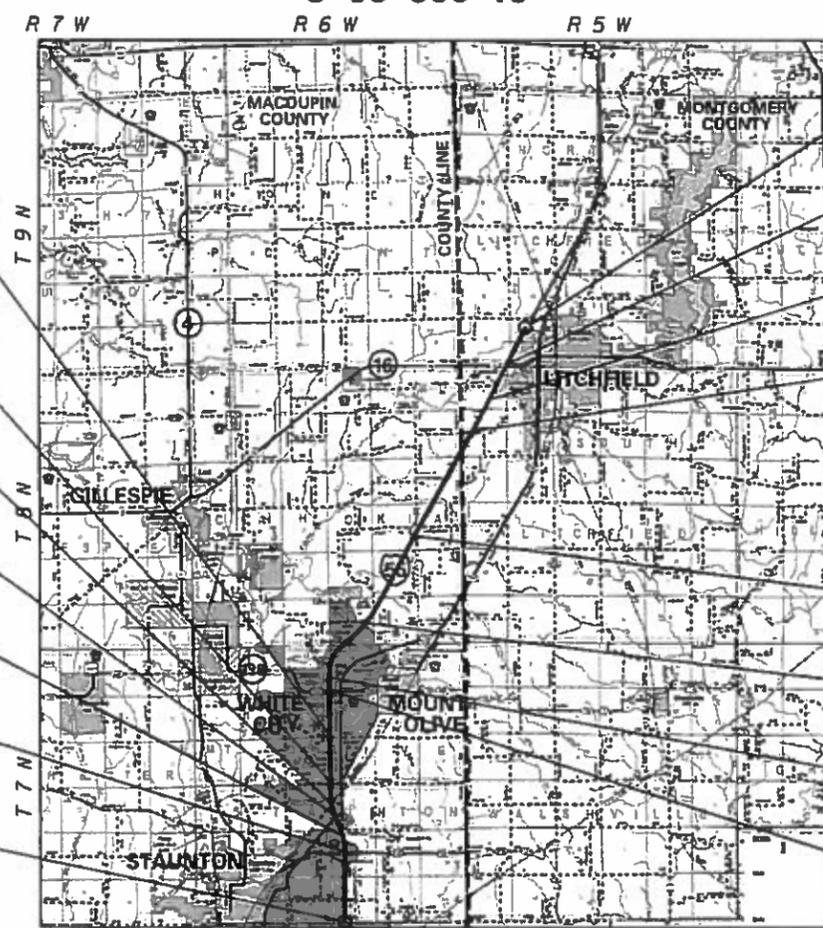
FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 55 (I-55)
fr. 0.8 Mi. N. of IL 16 to
Madison County Line
ADT: 29,848 (2017) PV = 74.58%
CLASSIFICATION: INTERSTATE SU = 5.02%
DESIGN SPEED: 75 MPH MU = 20.40%
POSTED SPEED: 70 MPH

PROPOSED
HIGHWAY PLANS

F.A.I. ROUTE 55 (I 55)
SECTION (59-1,2 & 68-1)CJS
PROJECT NHPP-4E3T(009)
CRACK & JOINT SEALING
MACOUPIN & MONTGOMERY COUNTIES
C-96-066-19



(BRIDGE OMISSION):
SN 059-0040 (SB)
STA 675+72.10 TO 677+71.20
SN 059-0041 (NB)
STA 675+99.80 TO 677+82.50

SN 059-0042
TR 457 OVER FAI 55
STA 731+17.13

SN 059-0043
N&W RR OVER FAI 55
STA 755+97.40

SN 059-0044
SBI 16 OVER FAI 55
STA 771+78.75

(STA EQN #3):
STA 809+85.00 (BK) =
STA 161+10.28 (AH)

SN 059-0045
FAU 8136 OVER FAI 55
STA 164+88.99

LIMITS OF IMPROVEMENT
ENDS AT STA. 249+62.80

LIMITS OF IMPROVEMENT
BEGINS AT STA. 142+70.20

SN 068-0051
IL 16 OVER FAI 55
STA 186+97.73

(STA EQN #1):
STA 236+58.39 (BK) =
STA 236+61.67 (AH)

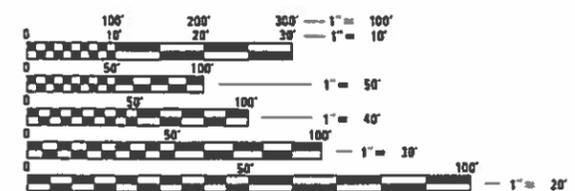
SN 068-0052
TR 277 OVER FAI 55
STA 275+12.14

SN 059-0037
CH 29 OVER FAI 55
STA 414+00.66

SN 059-0038
TR 395 OVER FAI 55
STA 530+89.34

(STA EQN #2):
STA 603+06.82 (BK) =
STA 603+11.97 (AH)

SN 059-0039
IL 138 OVER FAI 55
STA 624+78.22



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: JAY WAVERING (217) 785-9046
PROJECT MANAGER: RENE CABRERA (217) 558-5140

CONTRACT NO. 72L30

GROSS LENGTH = 75,547.59 FT. = 14.31 MI.
NET LENGTH = 75,348.49 FT. = 14.27 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 16, 2019

[Signature]
REGIONAL ENGINEER

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

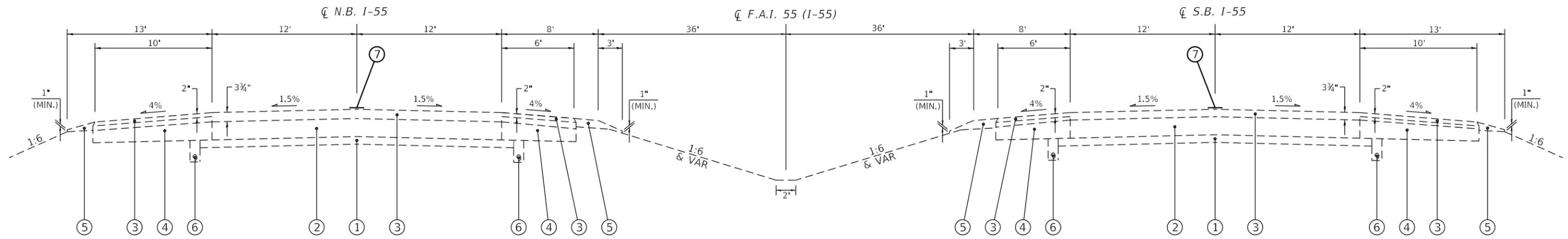
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OF THE STATE OF ILLINOIS

MONTGOMERY	MACOUPIN
6-01410-0000	6-01410-0000
90% FEDERAL 10% STATE ROADWAY 0005 RURAL	90% FEDERAL 10% STATE ROADWAY 0005 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
45100100	CRACK ROUTING (PAVEMENT)	FOOT	7,846	3,711	4,135
45100200	CRACK FILLING	POUND	28,545	6,330	22,215
67100100	MOBILIZATION	L SUM	1	0.2	0.8
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	14	6	8
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.2	0.8
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	15	5	10
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.2	0.8

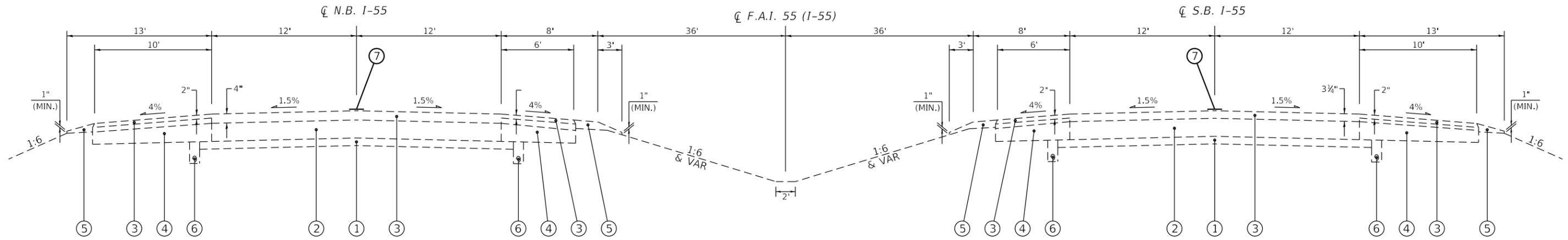
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- (1) STA 142+70.20 TO 236+58.39 (BK) [9,388.19']
- (2) STA 236+61.67 (AH) TO 300+02.29 [6,340.62']

(STA EQN #1):
 STA 236+58.39 (BK) =
 STA 236+61.67 (AH)



- (3) STA 300+02.29 TO 500+00.00 [19,997.71']

LEGEND	
①	EXIST. STABILIZED SUB-BASE 4"
②	EXIST. CRPCC PAVEMENT 9"
③	EXIST. HOT-MIX ASPHALT OVERLAY
④	EXIST. BITUMINOUS SHOULDER (THICKNESS VARIES)
⑤	EXIST. AGG SHOULDER
⑥	EXIST. PIPE UNDERDRAINS 4"
⑦	PROP. CRACK SEAL

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 SHEET: 5
 DATE: 9/30/2019

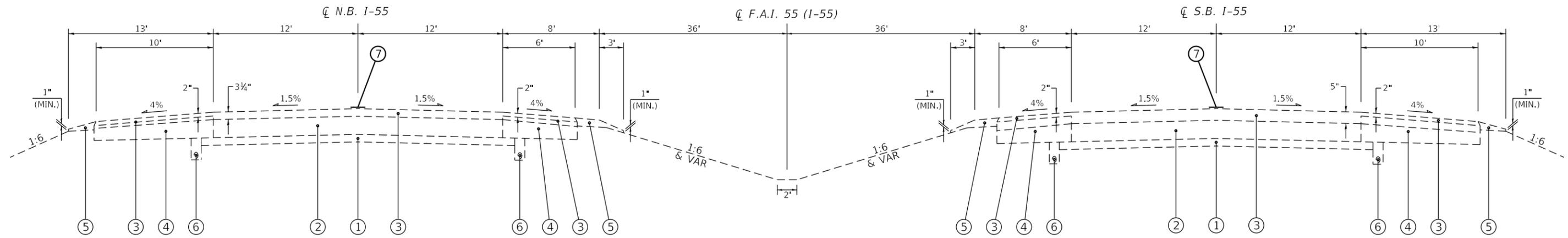
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/30/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS SHEET 1 OF 3 SHEETS STA. 142+70.20 TO STA. 500+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(59-1,2 & 68-1) CJS	-	11	5
CONTRACT NO. 72L30				



(4) STA 500+00.00 TO 502+41.85 [241.85']

(6) STA 551+96.69 TO 603+06.82 (BK) [5,110.13']

(7) STA 603+11.97 (AH) TO 675+99.80 [7,287.83']

(7) STA 603+11.97 (AH) TO 675+72.10 [7,260.13']

(8) STA 677+82.50 TO 744+52.54 [6,670.04']

(8) STA 677+71.20 TO 744+52.54 [6,681.34']

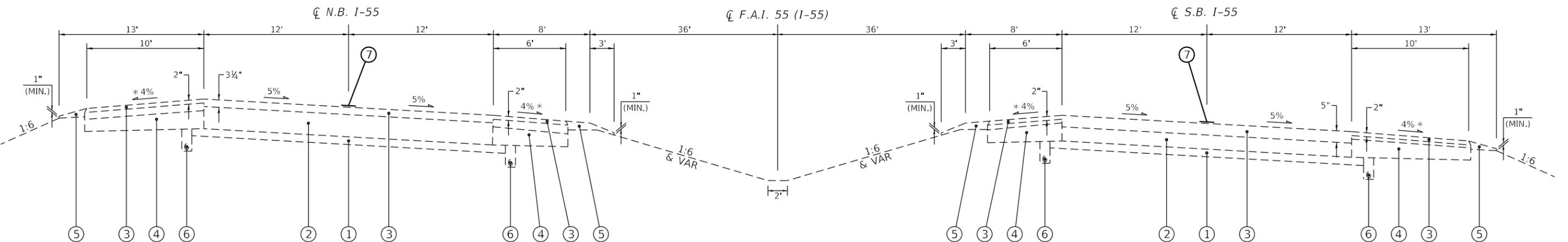
(BRIDGE OMISSION):
 SN: 059-0040 (SB)
 STA 675+72.10 TO 677+71.20
 SN: 059-0041 (NB)
 STA 675+99.80 TO 677+82.50

(10) STA 766+33.65 TO 788+61.98 [2,228.33']

(12) STA 161+10.28 (AH) TO 249+62.80 [8,852.52']

(STA EQN #2):
 STA 603+06.82 (BK) =
 STA 603+11.97 (AH)

(STA EQN #3):
 STA 809+85.00 (BK) =
 STA 161+10.28 (AH)



(5) STA 502+41.85 TO 551+96.69 [4,954.84']

LEGEND	
①	EXIST. STABILIZED SUB-BASE 4"
②	EXIST. CRPCC PAVEMENT 9"
③	EXIST. HOT-MIX ASPHALT OVERLAY
④	EXIST. BITUMINOUS SHOULDER (THICKNESS VARIES)
⑤	EXIST. AGG SHOULDER
⑥	EXIST. PIPE UNDERDRAINS 4"
⑦	PROP. CRACK SEAL

* WHEN THE SUPERELEVATION RATE OF PAVEMENT IS BETWEEN 0.0% AND 4.0%, THE SHOULDER SLOPE SHALL BE SLOPED AT 4.0%. WHEN THE SUPER ELEVATION RATE OF PAVEMENT EXCEEDS 4.0%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER IS 8.0% FOR THE HIGH SIDE OF THE SE, AND MATCH THE SE FOR THE LOW SIDE OF THE SE.

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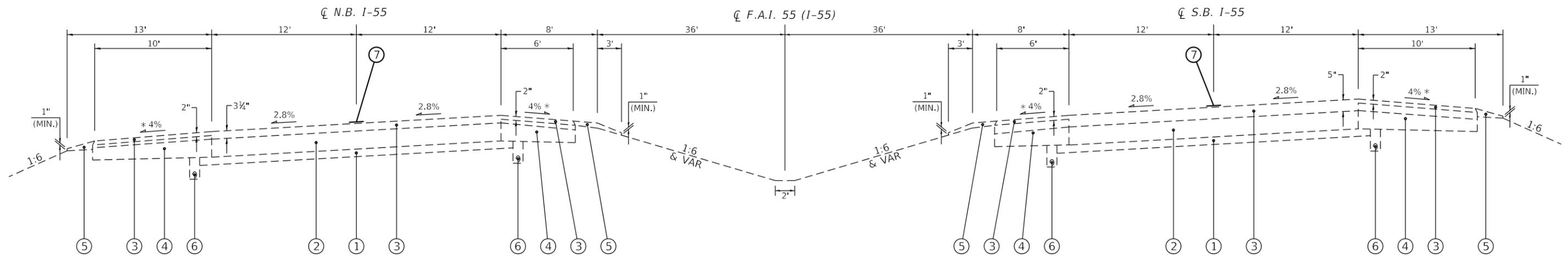
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS SHEET 2 OF 3 SHEETS STA. 500+00.00 TO STA. 249+62.80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(59-1.2 & 68-1) CJS	-	11	6
CONTRACT NO. 72L30				

ILLINOIS FED. AID PROJECT
 MONTGOMERY, MACOUPIN



(9) STA 744+52.54 TO 766+33.65 [2,181.11']
 (11) STA 788+61.98 TO 809+85.00 (BK) [2,123.02']

(STA EQN #3):
 $\frac{\text{STA } 809+85.00 \text{ (BK)}}{\text{STA } 161+10.28 \text{ (AH)}}$

* WHEN THE SUPERELEVATION RATE OF PAVEMENT IS BETWEEN 0.0% AND 4.0%, THE SHOULDER SLOPE SHALL BE SLOPED AT 4.0%. WHEN THE SUPER ELEVATION RATE OF PAVEMENT EXCEEDS 4.0%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER IS 8.0% FOR THE HIGH SIDE OF THE SE, AND MATCH THE SE FOR THE LOW SIDE OF THE SE.

LEGEND	
①	EXIST. STABILIZED SUB-BASE 4"
②	EXIST. CRPCC PAVEMENT 9"
③	EXIST. HOT-MIX ASPHALT OVERLAY
④	EXIST. BITUMINOUS SHOULDER (THICKNESS VARIES)
⑤	EXIST. AGG SHOULDER
⑥	EXIST. PIPE UNDERDRAINS 4"
⑦	PROP. CRACK SEAL

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PLOT DATE = 9/30/2019	DATE -	REVISED -

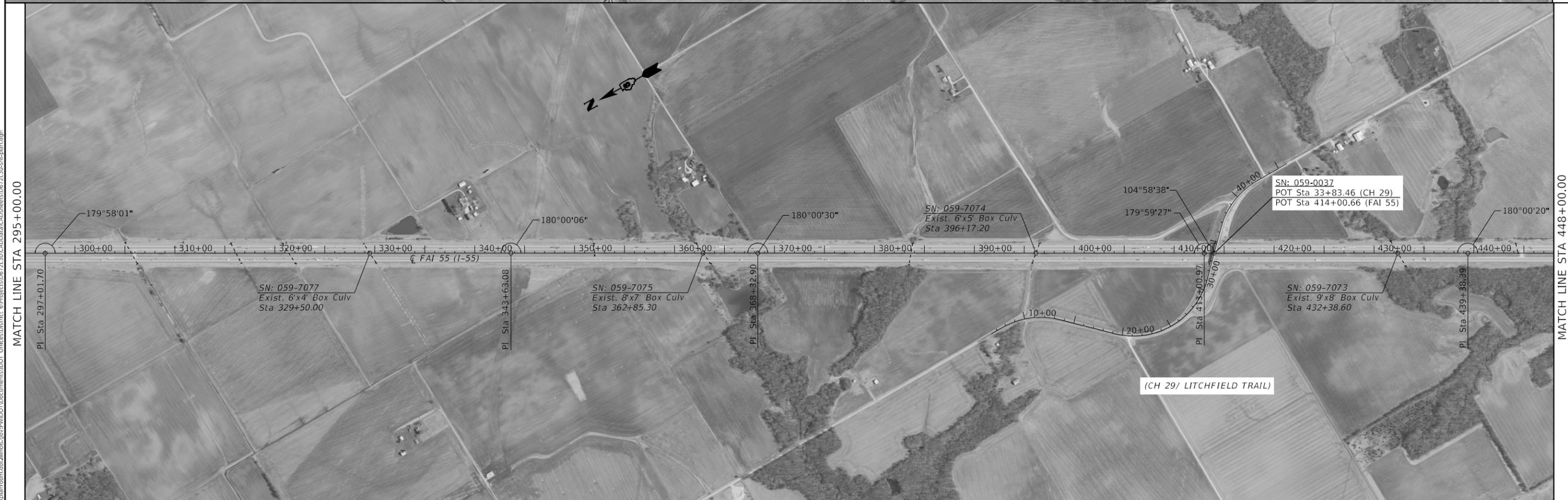
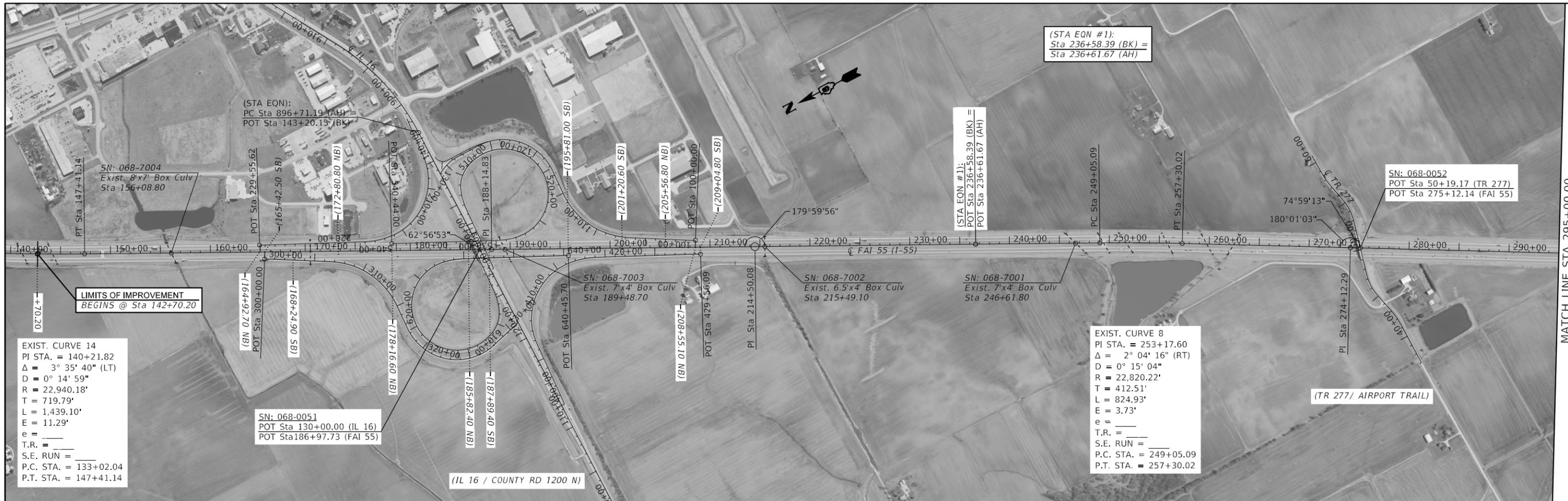
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS SHEET 3 OF 3 SHEETS STA. 744+52.54 TO STA. 809+85.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(59-1,2 & 68-1) CJS	-	11	7
CONTRACT NO. 72L30				

ILLINOIS FED. AID PROJECT
 * MONTGOMERY, MACOUPIN



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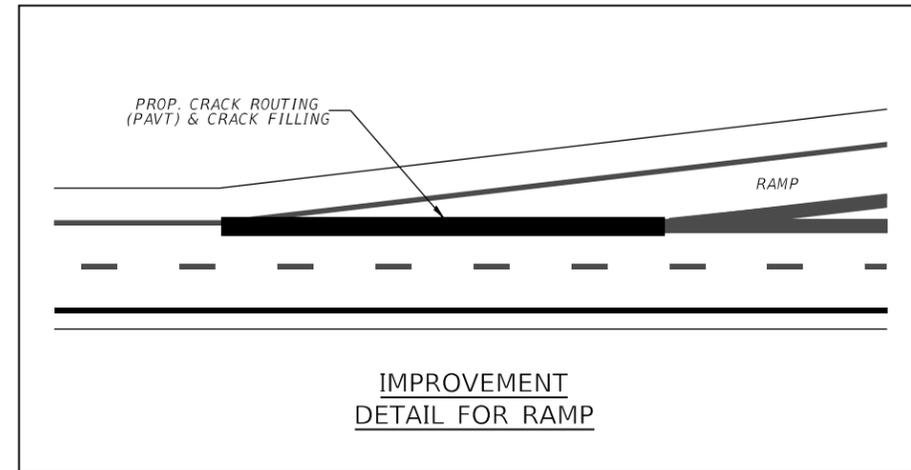
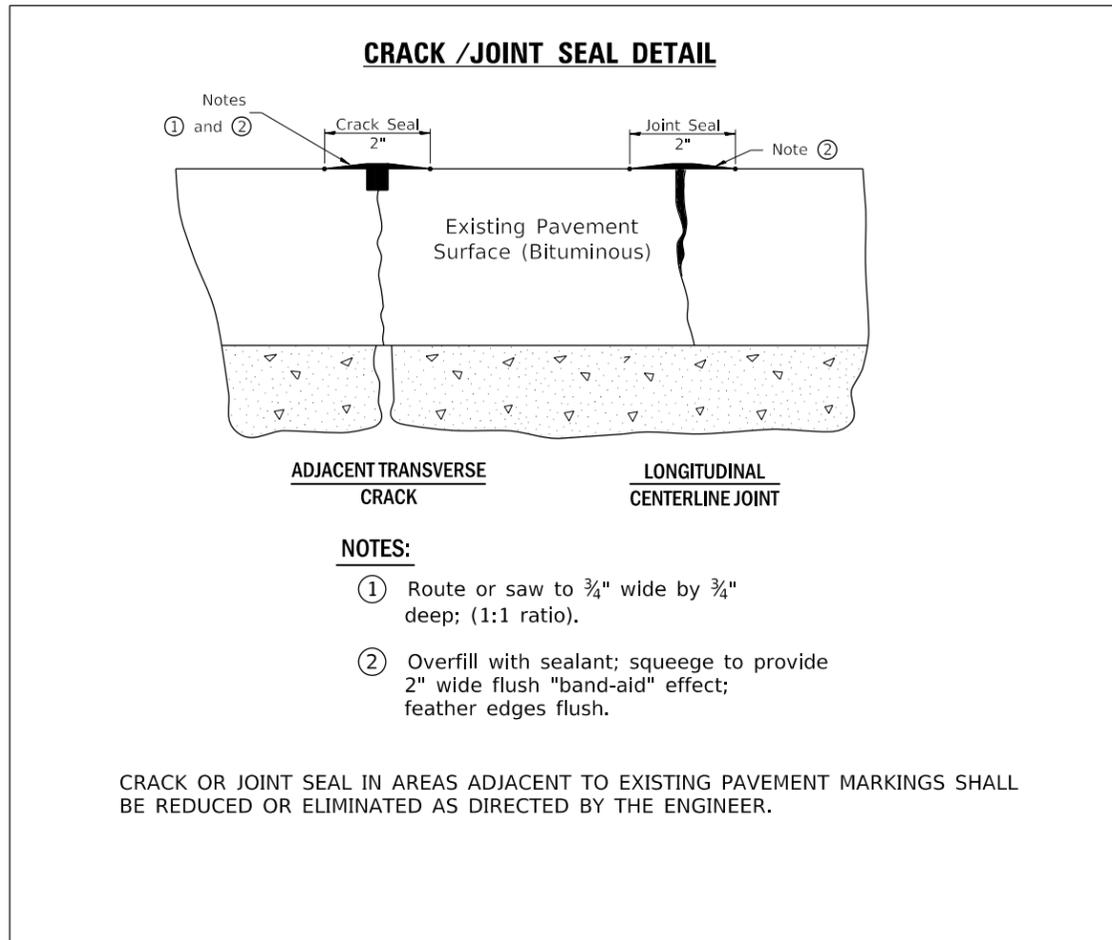
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DRAWN - RSC	REVISED -	
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PLOT DATE = 9/27/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT INFORMATION	
SCALE: 500	SHEET 1 OF 3 SHEETS
STA. 139+55.00 TO STA. 448+00.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(59-1.2 & 68-1) CJS		11	8
CONTRACT NO. 72L30				
ILLINOIS FED. AID PROJECT				

* MONTGOMERY, MACOUPIN



[F.A.I. 55 (I-55)]
IL 16 Interchange
164+92.70 TO 172+80.80 NB Entr. Ramp
165+42.50 TO 168+24.90 SB Exit Ramp
178+16.60 TO 185+82.40 NB Entr. Ramp
187+89.40 TO 195+81.00 SB Entr. Ramp
201+20.60 TO 209+04.80 SB Entr. Ramp
205+56.80 TO 208+55.10 NB Exit Ramp

(STA EQN #1):
236+58.39 (BK) = 236+61.67 (AH)

(STA EQN #2):
603+06.82 (BK) = 603+11.97 (AH)

IL 138 Interchange
603+06.60 TO 610+36.40 NB Entr. Ramp
605+36.50 TO 608+17.20 SB Exit Ramp
639+42.00 TO 642+47.80 NB Entr. Ramp
640+26.50 TO 648+06.70 SB Exit Ramp

[BRIDGE OMISSION]
SN: 059-0040 (SB)
675+72.10 TO 677+71.20
SN: 059-0041 (NB)
675+99.80 TO 677+82.50

Staunton Rd. Interchange (N)
790+45.80 TO 797+62.40 NB Entr. Ramp
793+71.00 TO 796+75.00 SB Exit Ramp

(STA EQN #3):
809+85.00 (BK) = 161+10.28 (AH)

Staunton Rd. Interchange (S)
181+85.30 TO 189+13.40 SB Entr. Ramp
182+08.00 TO 184+97.60 NB Exit Ramp

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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK /JOINT SEAL DETAIL

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(59-1,2 & 68-1) CJS	*	11	11
CONTRACT NO. 72L30				

ILLINOIS FED. AID PROJECT
* MONTGOMERY, MACOUPIN