

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

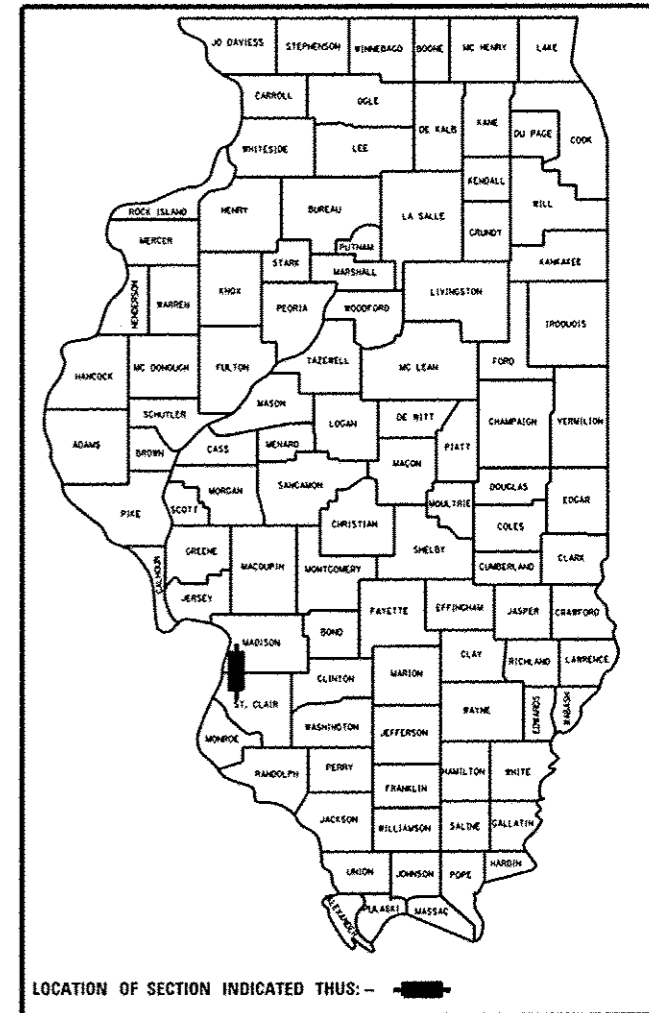
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION DIST 8 HFST 2015-1
PROJECT: ACHSIP-0005(998)
HIGH FRICTION SURFACE TREATMENT
ON VARIOUS INTERSTATE RAMPS
MADISON & ST. CLAIR COUNTIES

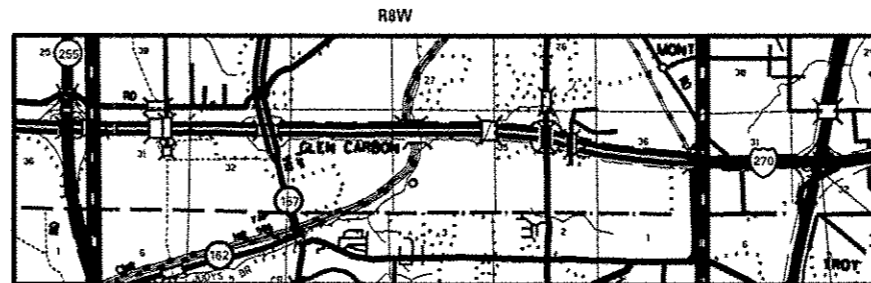
C-98-045-14

P.A. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 HFST 2015-1	ILLINOIS	27	1
CONTRACT NO. 76H20			MADISON & ST. CLAIR	

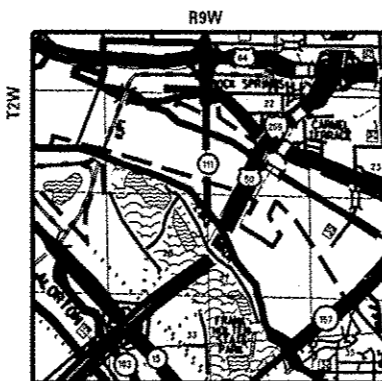
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FOR INDEX OF SHEETS, SEE SHEET NO. 2



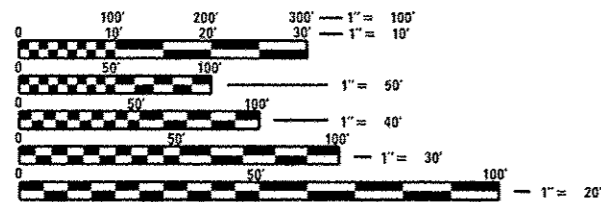
LOCATION 1
WB I-70 TO SB I-55/70
STA. 892+00 - 910+65



LOCATION 3
NB I-255 TO EB I-64
STA. 7+00 - 26+00

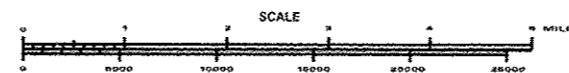
LOCATION 2
NB I-55/70 TO EB I-70
STA. 904+00 - 938+00

LOCATION 4
NB I-255 TO EB I-15
STA. 8+00 - 24+00
BRIDGE OMISSION STA. 10+75 - 12+62



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



GROSS LENGTH = 8765.00 FT. = 1.660 MILE
NET LENGTH = 8578.00 FT. = 1.625 MILE

PROJECT ENGINEER: TIM PADGETT 618-346-3325
PROJECT MANAGER: PHILIP COPPERNOLL 618-346-3480

CONTRACT NO. 76H20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 9 20 14
Jeffrey T. K...
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

June 27 20 14
John D. Baranzelli PE
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
Omer Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN ILLINOIS - ELECTRIC
- AT&T ILLINOIS - COMMUNICATIONS
- BOND MADISON WATER COMPANY - WATER
- VILLAGE OF CASEYVILLE - WATER & SANITARY SEWER
- CHARTER COMMUNICATIONS, INC. - CABLE TV
- DEPARTMENT OF CENTRAL MANAGEMENT SERVICES - COMMUNICATIONS
- COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT - WATER & SANITARY SEWER
- ILLINOIS AMERICAN WATER COMPANY - WATER
- LEVEL 3 COMMUNICATIONS, LLC - COMMUNICATIONS
- MEDIACOM - CABLE TV
- SOUTHWESTERN ELECTRIC COOPERATIVE, INC. - ELECTRIC
- CITY OF TROY - WATER & SANITARY SEWER

2. MEMBERS OF J.U.L.I.E. ((800) 892-0123 OR 811) ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
5. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATIONS AS EXISTING AS DIRECTED BY THE RESIDENT ENGINEER.
6. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
7. HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR ALL PCC PATCHING.
8. ALL PATCHING ON EACH RAMP SHALL BE COMPLETED A MINIMUM OF 30 DAYS PRIOR TO PLACING THE HIGH FRICTION SURFACE TREATMENT.
9. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
10. CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THE RAMP CLOSURES AT LOCATIONS 3 AND 4. THE MESSAGE BOARDS SHALL BE PLACED 48 HOURS PRIOR TO THE CLOSURE(S).
11. AT LOCATIONS 1 AND 2, ONLY ONE LANE AT A TIME MAY BE CLOSED IN EACH DIRECTION.
12. STATIONING SHOWN IN THE PLANS MAY NOT MATCH STATIONING ON THE RAMP PAVEMENTS. CONSTRUCTION LIMITS WILL BE AS SHOWN ON THE PLAN SHEETS FOR EACH RAMP.
13. ALL RAISED REFLECTIVE PAVEMENT MARKERS NOT BEING REMOVED AND REPLACED SHALL BE PROPERLY COVERED BEFORE STARTING THE HIGH FRICTION SURFACE TREATMENT.
14. AT LOCATIONS 3 AND 4, PAVEMENT JOINTS SHALL BE TAPED OFF OR APPROPRIATELY COVERED BEFORE APPLYING THE HIGH FRICTION SURFACE TREATMENT.
15. THE COST OF THE PRIME COAT USED FOR THE HMA PATCHING SHALL BE INCLUDED IN EITHER "LONGITUDINAL JOINT AND CRACK PATCHING" OR "PARTIAL DEPTH PATCHING".

MIXTURE REQUIREMENTS

MIXTURE USE	Partial Depth Patch			
AC/PG	PG 64-22			
RAP % (MAX)	SEE SPEC.			
DESIGN AIR VOIDS	4.0% @ Ndas=90			
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 9.5			
FRICTION AGG	MIXTURE "E"			
QUALITY MGMT PROGRAM	QC/QA			

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/ln (59.8 kg/sq m/25 mm thickness).

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, HIGHWAY STANDARDS, ADT, COMMITMENTS, INDEX OF SHEETS
- 3 - 4 SUMMARY OF QUANTITIES
- 5 - 6 TYPICAL SECTIONS
- 7 SCHEDULES OF QUANTITIES
- 8 - 15 PLAN SHEETS
- 16 - 23 PAVEMENT MARKING SHEETS
- 24 PAVEMENT MARKING DETAILS
- 25 - 27 DETOUR ROUTES

COMMITMENTS

NONE

ADT

LOCATION 1 - WB I-70 TO SB I-55/70
 2008 ADT = 7000 (ACTUAL)
 2015 ADT = 7500 (ESTIMATED)
 2025 ADT = 8300 (ESTIMATED)

LOCATIAON 2 - NB I-55/70 TO EB I-70
 2008 ADT = 6500 (ACTUAL)
 2015 ADT = 6800 (ESTIMATED)
 2025 ADT = 7500 (ESTIMATED)

LOCATION 3 - NB I-255 TO EB I-64
 2013 ADT = 6500 (ACTUAL)
 2015 ADT = 6800 (ESTIMATED)
 2025 ADT = 7500 (ESTIMATED)

LOCATION 4 - NB I-255 TO EB IL 15
 2013 ADT = 5800 (ACTUAL)
 2015 ADT = 6100 (ESTIMATED)
 2025 ADT = 6700 (ESTIMATED)

HIGHWAY STANDARDS

000001-06	701428
001006	701451-02
701400-07	701456-03
701401-08	701901-03
701411-08	780001-04
701426-06	781001-03

*MADISON & ST. CLAIR

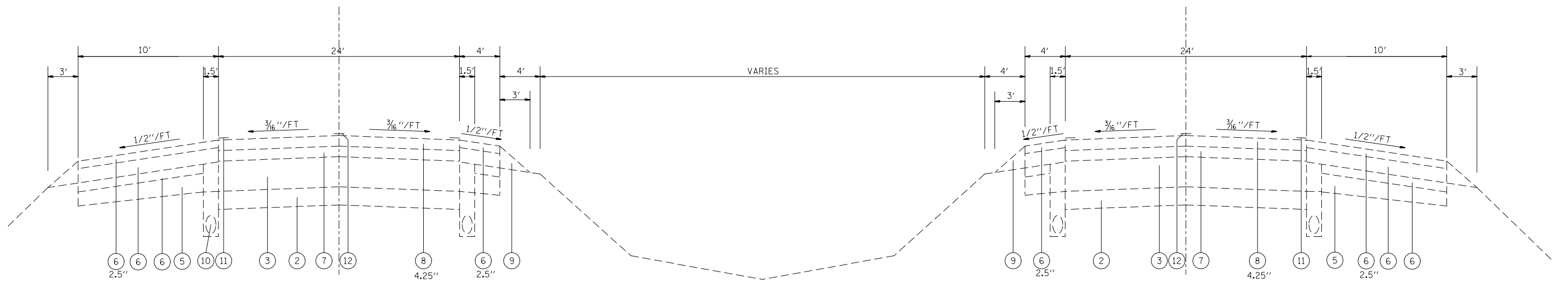
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PLOT DATE = 5/7/2014	DATE -	REVISED -	SCALE:					SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED / 10% STATE	
				MADISON ROADWAY	ST. CLAIR ROADWAY
				0021 URBAN	0021 URBAN
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	368	0	368
44201063	CLASS B PATCHES, TYPE II, 18 INCH	SQ YD	9	9	0
44201299	DOWEL BARS 1 1/2"	EACH	989	23	966
44213200	SAW CUTS	FOOT	690	55	635
45100200	CRACK FILLING	POUND	983	708	275
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	4	4	0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1	0
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1	0
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	0.5	0.5
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	924	792	132
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19017	12434	6583
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1264	1221	43

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	90% FED / 10% STATE	
				MADISON ROADWAY	ST. CLAIR ROADWAY
				0021 URBAN	0021 URBAN
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	7179	4956	2223
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17697	11114	6583
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1264	1221	43
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	231	231	0
* 78100300	REPLACEMENT REFLECTOR	EACH	6	0	6
78300100	PAVEMENT MARKING REMOVAL	SQ FT	6741	4518	2223
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	231	231	0
* X0327693	HIGH FRICTION SURFACE TREATMENT	SQ YD	21029	15139	5890
X4405025	LONGITUDINAL PARTIAL DEPTH REMOVAL 2 1/2"	FOOT	10530	10530	0
X4406025	PARTIAL DEPTH REMOVAL, TYPE 1, 2.5"	SQ YD	525	525	0
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	7	7	0
X4421000	PARTIAL DEPTH PATCHING	TON	2	2	0
* X4510050	HIGH FRICTION SURFACE TREATMENT CRACK FILLING	Foot	2458	1770	688
X7010410	SPEED DISPLAY TRAILER	CAL MO	8	8	0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	20	0	20

* SPECIALTY ITEMS

*MADISON & ST. CLAIR

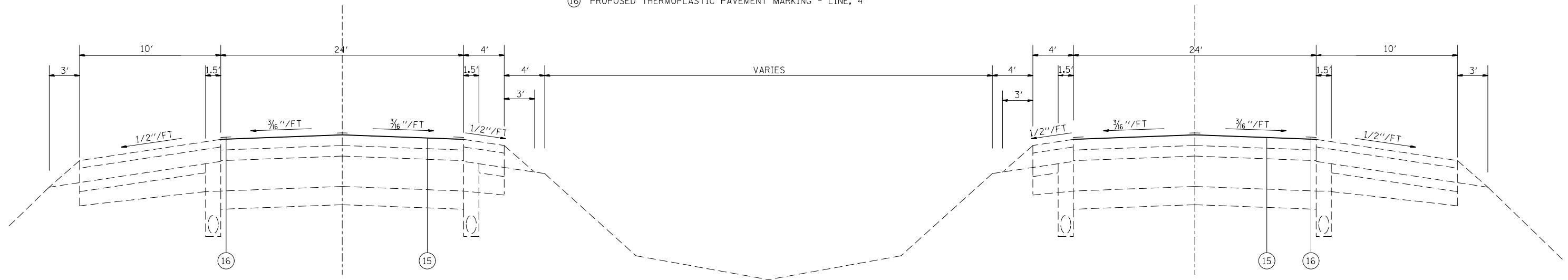


EXISTING TYPICAL
LOCATION 1
WB I-70 TO SB I-55/70
STA. 892+00 TO STA. 810+65

EXISTING TYPICAL
LOCATION 2
NB I-55/70 TO EB I-70
STA. 904+00 TO STA. 938+00

LEGEND

- ① EXISTING STABILIZED SUB-BASE, 4"
- ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- ③ EXISTING PCC PAVEMENT, 10"
- ④ EXISTING HMA PAVEMENT
- ⑤ EXISTING STABILIZED SHOULDER
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING HMA CONCRETE OVERLAY, ±4.25"
- ⑧ EXISTING POLYMERIZED HMA OVERLAY
- ⑨ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑩ EXISTING PIPE UNDERDRAINS
- ⑪ EXISTING THERMOPLASTIC PAVEMENT MARKING - LINE, 4"
- ⑫ EXISTING PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, SPECIAL, 4"
- ⑬ EXISTING PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID, 4"
- ⑭ EXISTING PAINT PAVEMENT MARKING - LINE, 4"
- ⑮ PROPOSED HIGH-FRICTION SURFACE TREATMENT
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE, 4"



PROPOSED TYPICAL
LOCATION 1
WB I-70 TO SB I-55/70
STA. 892+00 TO STA. 910+65

PROPOSED TYPICAL
LOCATION 2
NB I-55/70 TO EB I-70
STA. 904+00 TO STA. 938+00

•MADISON & ST. CLAIR

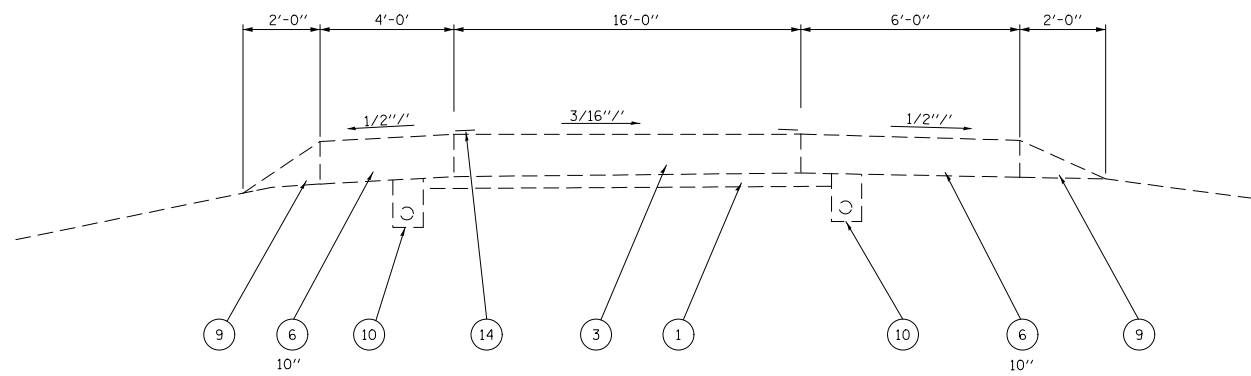
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

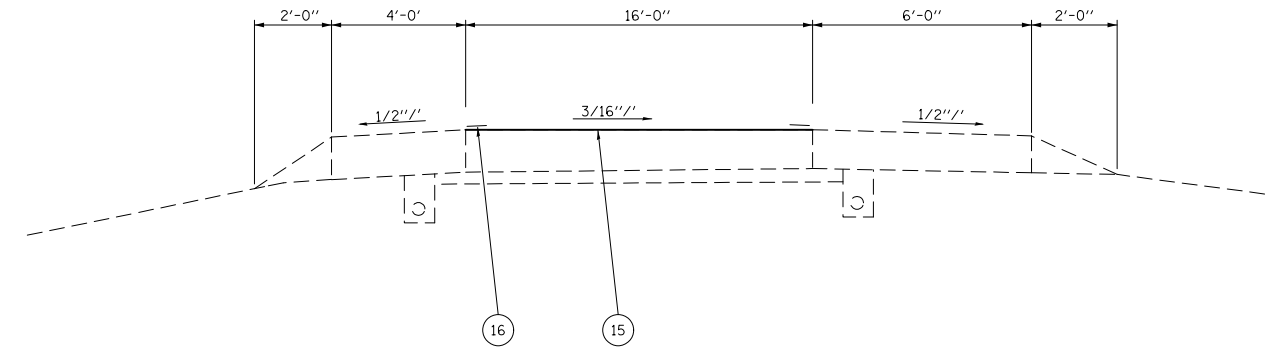
TYPICAL SECTIONS
LOCATIONS 1 & 2

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H20	



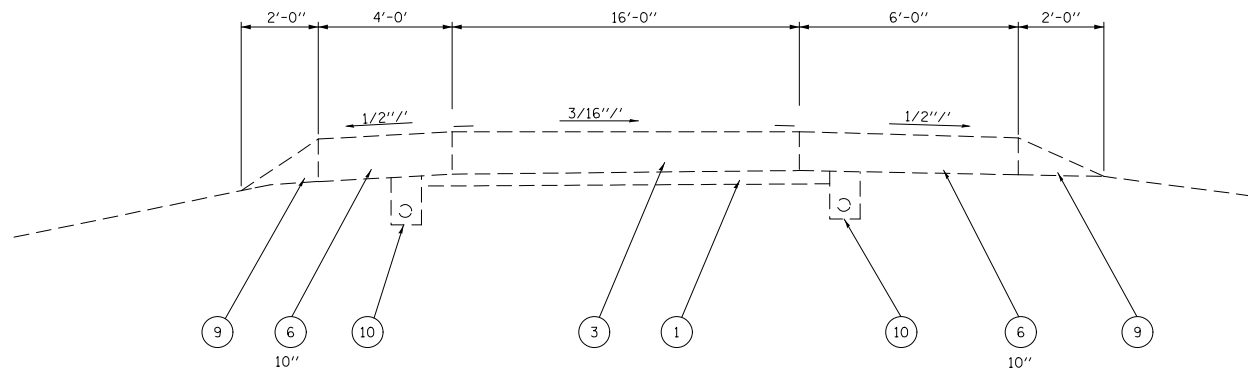
EXISTING TYPICAL
LOCATION 3
NB I-255 TO EB I-64
RAMP H
STA. 7+00 TO STA. 26+00



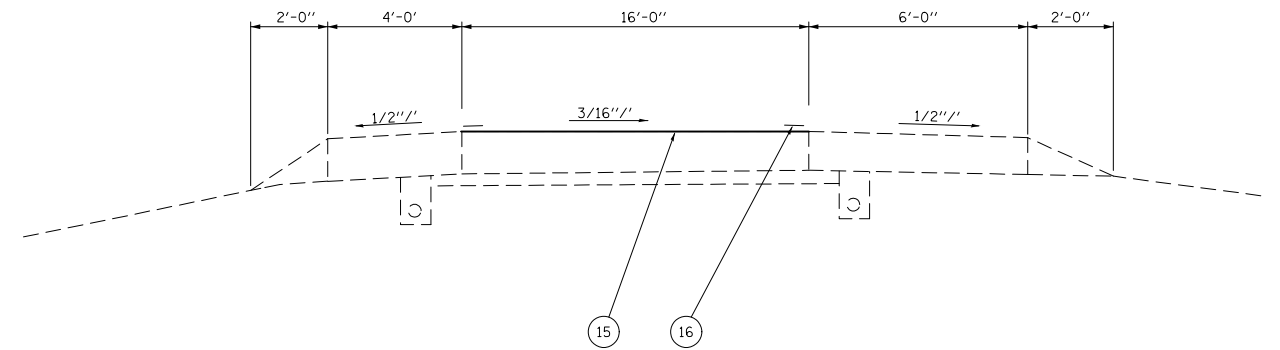
PROPOSED TYPICAL
LOCATION 3
NB I-255 TO EB I-64
RAMP H
STA. 7+00 TO STA. 26+00

LEGEND

- ① EXISTING STABILIZED SUB-BASE, 4"
- ② EXISTING SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- ③ EXISTING PCC PAVEMENT, 10"
- ④ EXISTING HMA PAVEMENT
- ⑤ EXISTING STABILIZED SHOULDER
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING HMA CONCRETE OVERLAY, ±4.25"
- ⑧ EXISTING POLYMERIZED HMA OVERLAY
- ⑨ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑩ EXISTING PIPE UNDERDRAINS
- ⑪ EXISTING THERMOPLASTIC PAVEMENT MARKING - LINE, 4"
- ⑫ EXISTING PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, SPECIAL, 4"
- ⑬ EXISTING PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID, 4"
- ⑭ EXISTING PAINT PAVEMENT MARKING - LINE, 4"
- ⑮ PROPOSED HIGH-FRICTION SURFACE TREATMENT
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE, 4"



EXISTING TYPICAL
LOCATION 4
NB I-255 TO EB IL 15
RAMP E
STA. 8+00 TO STA. 24+00



PROPOSED TYPICAL
LOCATION 4
NB I-255 TO EB IL 15
RAMP E
STA. 8+00 TO STA. 24+00

*MADISON & ST. CLAIR

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
LOCATIONS 3 & 4

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H20	

PAVEMENT MARKING										
LOCATION	PAVEMENT MARKING REMOVAL SQ FT	THERMOPLASTIC PAVEMENT MARKING		REFLECTOR REPLACEMENT		RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	COMMENT	
		LINE 4"	LINE 8"	AMBER	CRYSTAL	AMBER	CRYSTAL			
		FOOT	FOOT	EACH	EACH	EACH	EACH	EACH		
LOCATION 1										
RT	892+00 - 892+14	9.3		14						
RT	892+14 - 910+65	617	1851							
LT	892+00 - 894+02.73	67.6	203							
LT	40+77.84 - 31+00	325.9	978							RAMP G4
	898+98 - 905+80	779		1169			29	29		GORE
	892+00 - 910+65	156.7	470				46	46		CENTERLINE
LOCATION 2										
LT	904+00 - 904+38	25.3		38			69	1	70	
LT	904+38 - 938+00	1120.7	3362							
RT	904+00 - 938+00	1133.3	3400							
	904+00 - 938+00	283.3	850				86	86		CENTERLINE
LOCATION 3										
LT	7+00 - 7+13	8.7		13		1				
LT	7+13 - 25+70	619	1857							
LT	25+70 - 26+00	20		30						
RT	7+00 - 26+00	633.3	1900							
LOCATION 4										
LT	8+00 - 10+75	91.7	275		5					
LT	12+62 - 24+00	379.3	1138							
RT	8+00 - 10+75	91.7	275							
RT	12+62 - 24+00	379.3	1138							
TOTALS		6741.1	17697	1264	5	1	69	162	231	

LOCATION	FEET	CRACK FILLING
		POUND
LOCATION 1	1072	428.8
LOCATION 2	698	279.2
LOCATION 3	848	339.2
LOCATION 4	688	275.2
TOTAL	3306	983.2

LOCATION	CHANGEABLE MESSAGE SIGNS
	CAL DA
LOCATION 3	10
LOCATION 4	10
TOTAL	20

AN APPLICATION RATE OF 0.40 LBS/FOOT WAS USED TO DETERMINE CRACK FILLING QUANTITIES.

PARTIAL DEPTH PATCHING SCHEDULE								
LOCATION	NUMBER	LENGTH	WIDTH	LONG PAR DEP REM, 2 1/2"	LONG PAR DEPTH PATCH	PART DEP REM T1 2 1/2"	PARTIAL DEPTH PATCH	
		(FT)	(FT)	(FT)	(TONS)	(SQ YD)	(TONS)	
LOCATION 1	2	1865	2	3730	2.1			
	57	2	12			152	0.4	
	13	2	14			40.4	0.1	
LOCATION 2	2	3400	2	6800	3.8			
	125	2	12			333.3	0.8	
SUBTOTAL:					5.9		1.3	
ANTICIPATED FAILURES (15%) :					0.9		0.2	
TOTAL:					10530.0	6.7	525.8	1.5

LOCATION	HIGH FRICTION SURFACE TREATMENT
	SQ YD
LOCATION 1	6072.2
LOCATION 2	9066.7
LOCATION 3	3377.8
LOCATION 4	2512.0
TOTALS	21028.7

CLASS B PAVEMENT PATCHING 10 INCH SCHEDULE											
LOCATION	#	LENGTH	LANE WIDTH	CLASS B PATCH TYPE I	CLASS B PATCH TYPE II	CLASS B PATCH TYPE III	CLASS B PATCH TYPE IV	DOWEL BARS 1 1/2 inch	TIE BARS	PAVEMENT FABRIC	SAWCUT
		(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	(FT)
LOCATION 3	20	6.0	16.0		213.3			560			288.0
	1	6.0	16.0		10.7			28			60.0
LOCATION 4	6	4.0	16.0		42.7			168			96.0
	3	6.0	16.0		32.0			84			84.0
SUBTOTAL:					298.7			840			528.0
ANTICIPATED FAILURES (15%):					44.8			126	0		79.2
TOTAL:					343			966			607

CLASS B PAVEMENT PATCHING 18 INCH SCHEDULE												
LOCATION	#	LENGTH	LANE WIDTH	CLASS B PATCH TYPE I	CLASS B PATCH TYPE II	CLASS B PATCH TYPE III	CLASS B PATCH TYPE IV	DOWEL BARS 1 1/2 inch	TIE BARS	PAVEMENT FABRIC	SAWCUT	
		(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	(FT)	
LOCATION 2	1	4.0	12.0		5.3			20			44.0	
SUBTOTAL:					5.3			20			44.0	
ANTICIPATED FAILURES (15%):					0.8			3	0		6.6	
TOTAL:					6			23			51	

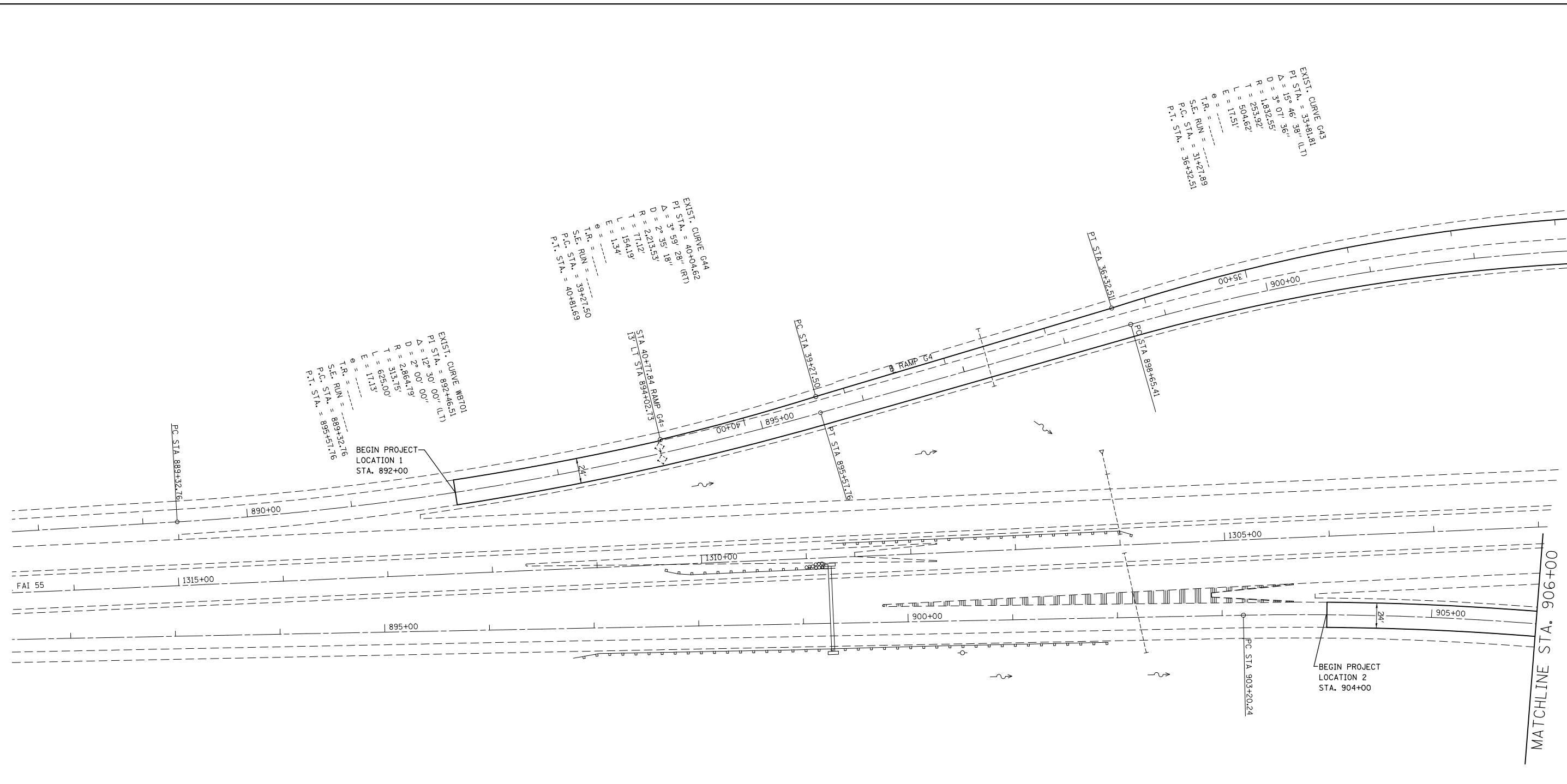
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

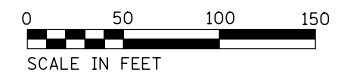
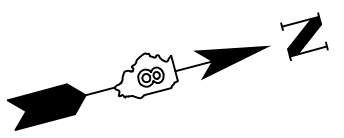
*MADISON & ST. CLAIR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	7
			CONTRACT NO. 76H20	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXIST. CURVE G43
 P.I. STA. = 35+81.81
 $\Delta = 15^\circ 07' 36''$ (L/T)
 $D = 37.07' 36''$
 $R = 1,832.55'$
 $T = 253.92'$
 $L = 504.62'$
 $E = 11.51'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 31+27.89
 P.C. STA. = 36+32.51
 P.T. STA. = 36+32.51

EXIST. CURVE G44
 P.I. STA. = 40+04.62
 $\Delta = 3^\circ 59' 28''$ (RT)
 $D = 2^\circ 35' 18''$
 $R = 2,213.53'$
 $T = 71.12'$
 $L = 154.19'$
 $E = 1.34'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 39+27.50
 P.C. STA. = 40+81.69
 P.T. STA. = 40+81.69

EXIST. CURVE WEST101
 P.I. STA. = 892+46.51
 $\Delta = 12^\circ 30' 00''$ (L/T)
 $D = 2^\circ 00' 00''$
 $R = 2,864.19'$
 $T = 313.19'$
 $L = 625.00'$
 $E = 11.13'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 889+32.76
 P.C. STA. = 895+57.16
 P.T. STA. = 895+57.16



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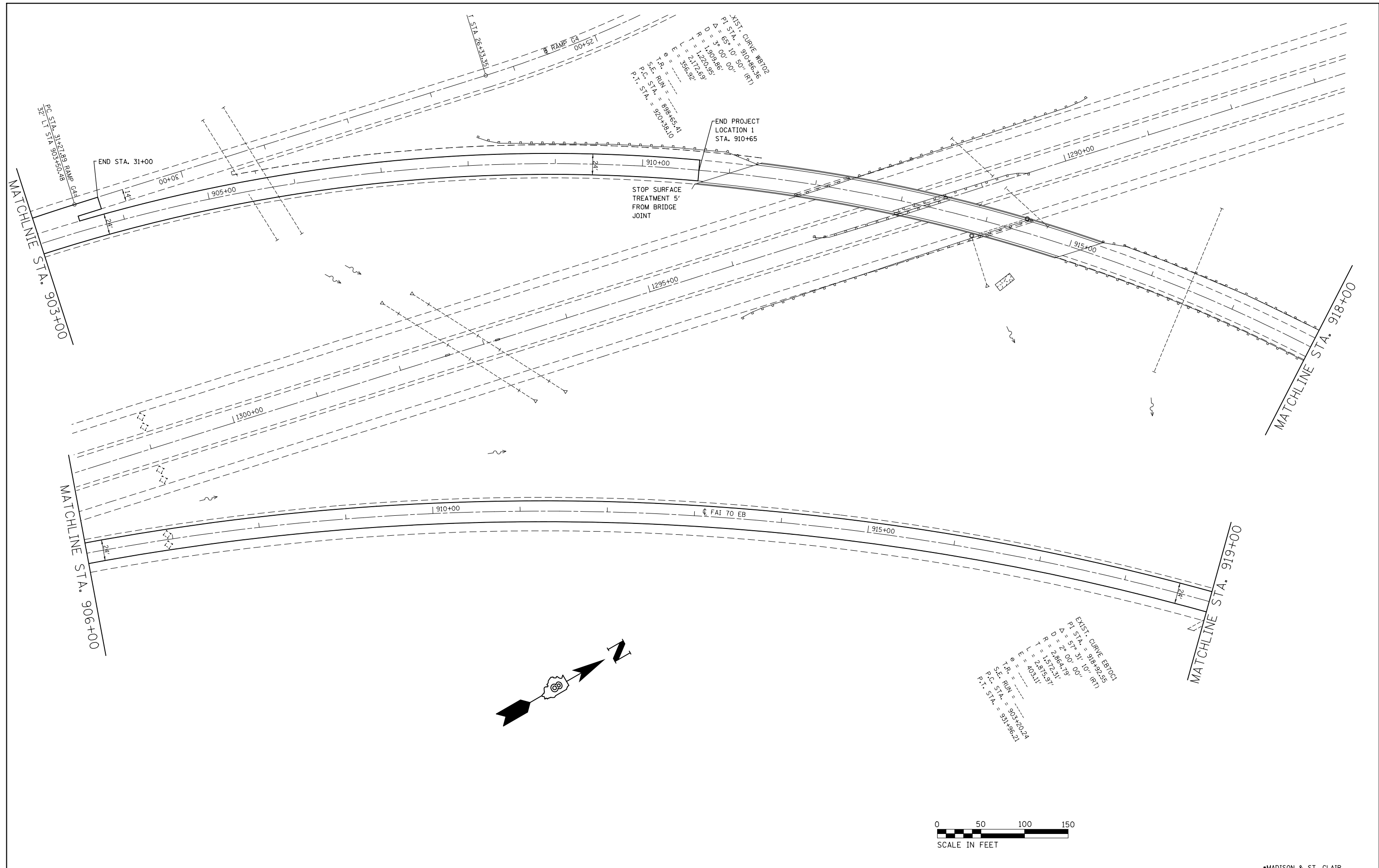
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET
 LOCATIONS 1 & 2**

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	8
CONTRACT NO. 76H20				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*MADISON & ST. CLAIR



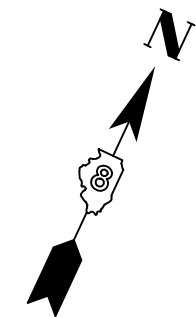
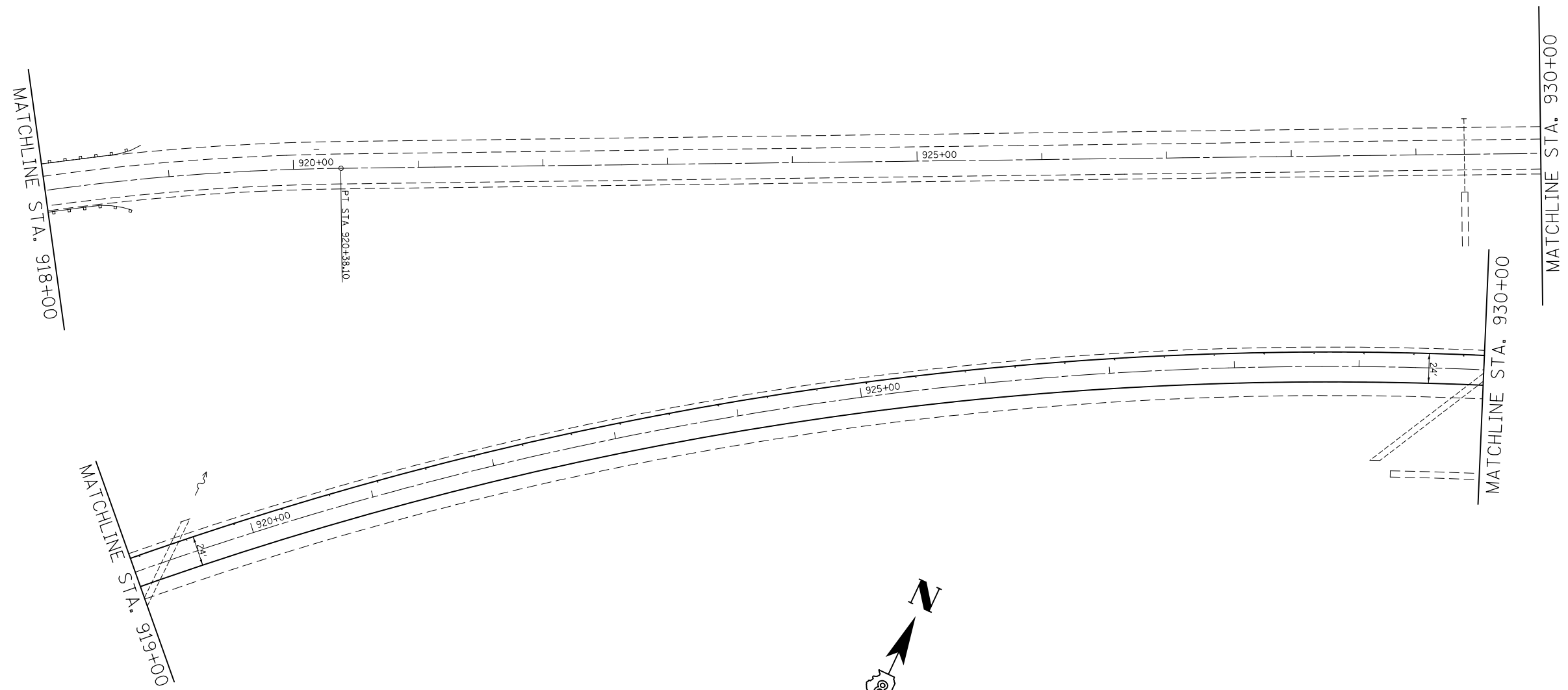
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET LOCATIONS 1 & 2		
SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76H20	

*MADISON & ST. CLAIR



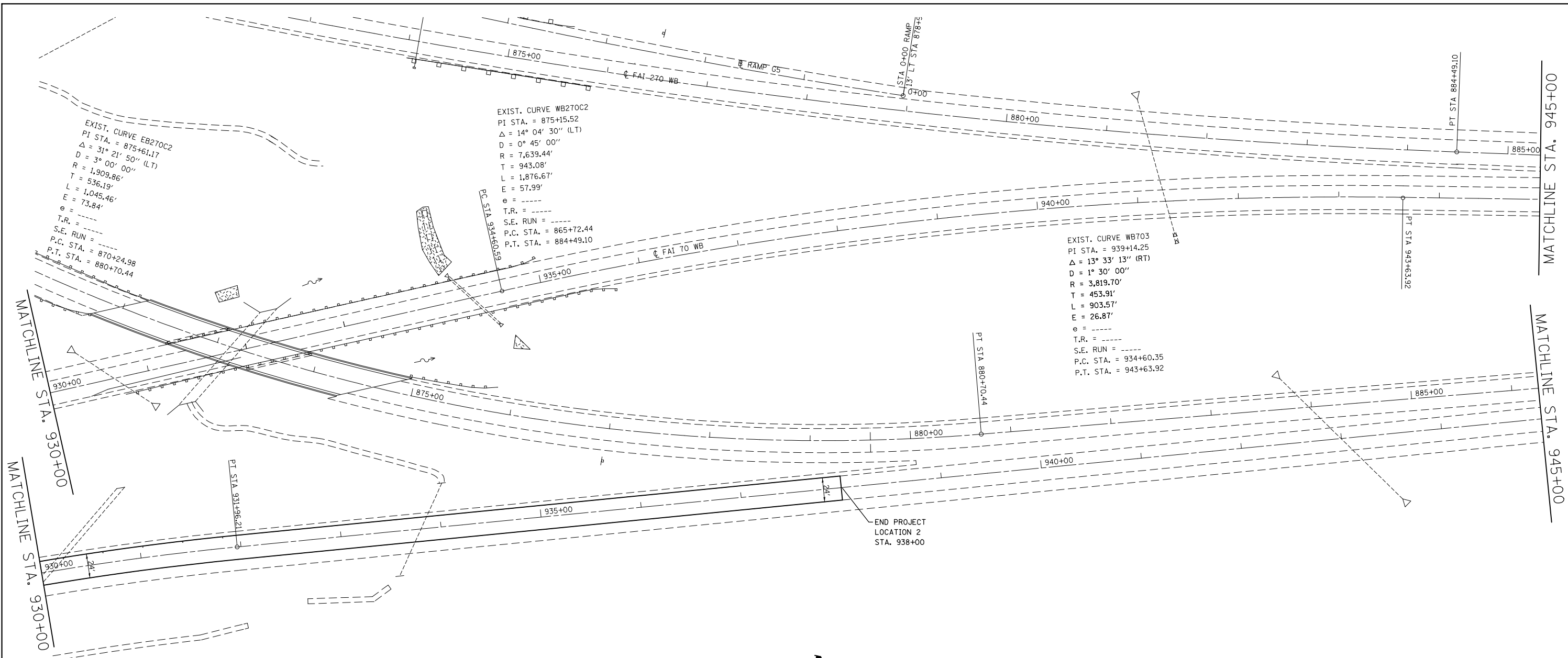
•MADISON & ST. CLAIR

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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET LOCATIONS 1 & 2	
SCALE: 1" = 50'	SHEET NO. 3 OF 4 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76H20				



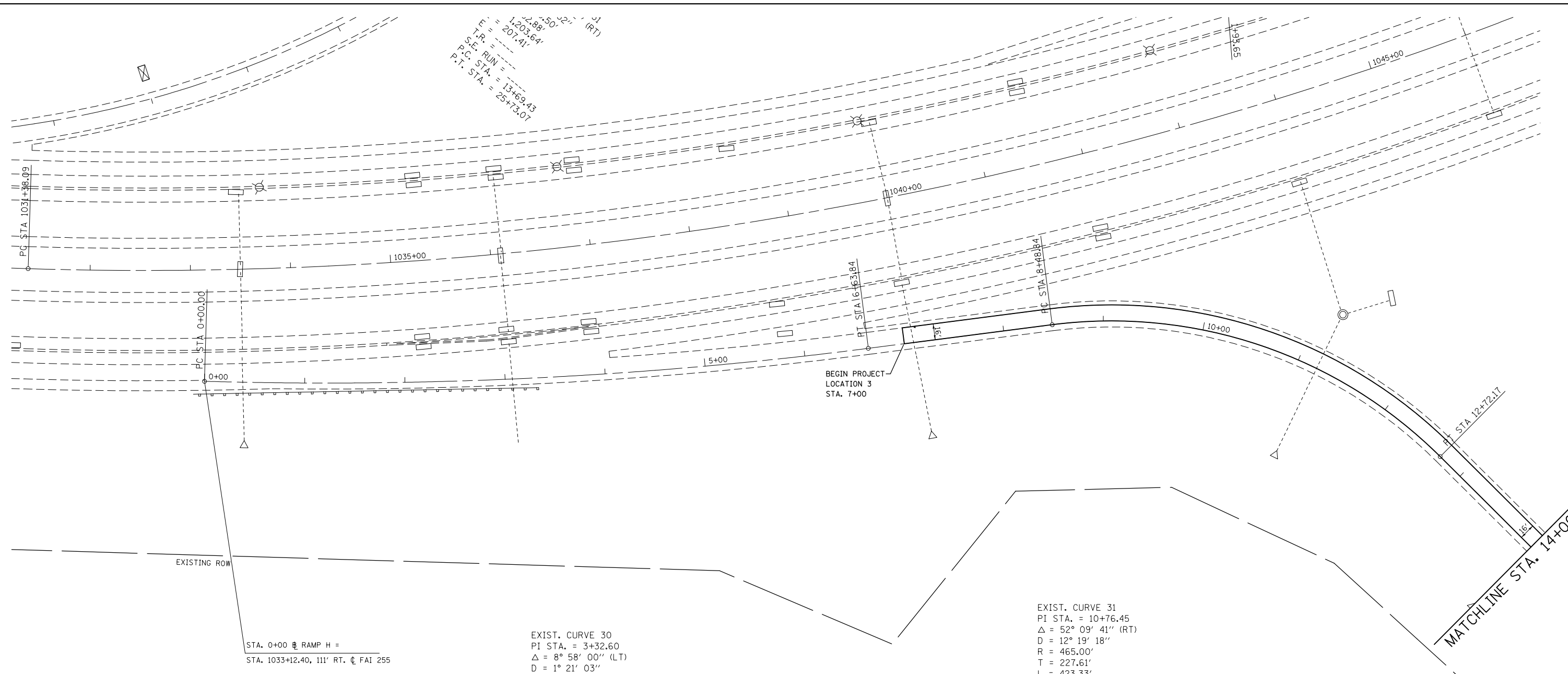
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET LOCATIONS 1 & 2			
SCALE: 1" = 50'	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.

*MADISON & ST. CLAIR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	•	27	11
CONTRACT NO. 76H20				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

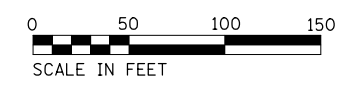
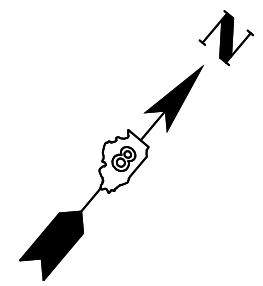
P.S.T.M. = 1203.64
 P.S.E. RUN = 207.41
 P.C. STA. = 13+69.43
 P.T. STA. = 25+73.07



STA. 0+00 RAMP H =
 STA. 1033+12.40, 111' RT. ϕ FAI 255

EXIST. CURVE 30
 PI STA. = 3+32.60
 Δ = 8° 58' 00" (LT)
 D = 1° 21' 03"
 R = 4,241.85'
 T = 332.60'
 L = 663.84'
 E = 13.02'
 E = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 0+00.00
 P.T. STA. = 6+63.84

EXIST. CURVE 31
 PI STA. = 10+76.45
 Δ = 52° 09' 41" (RT)
 D = 12° 19' 18"
 R = 465.00'
 T = 227.61'
 L = 423.33'
 E = 52.72'
 E = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 8+48.84
 P.T. STA. = 12+72.17



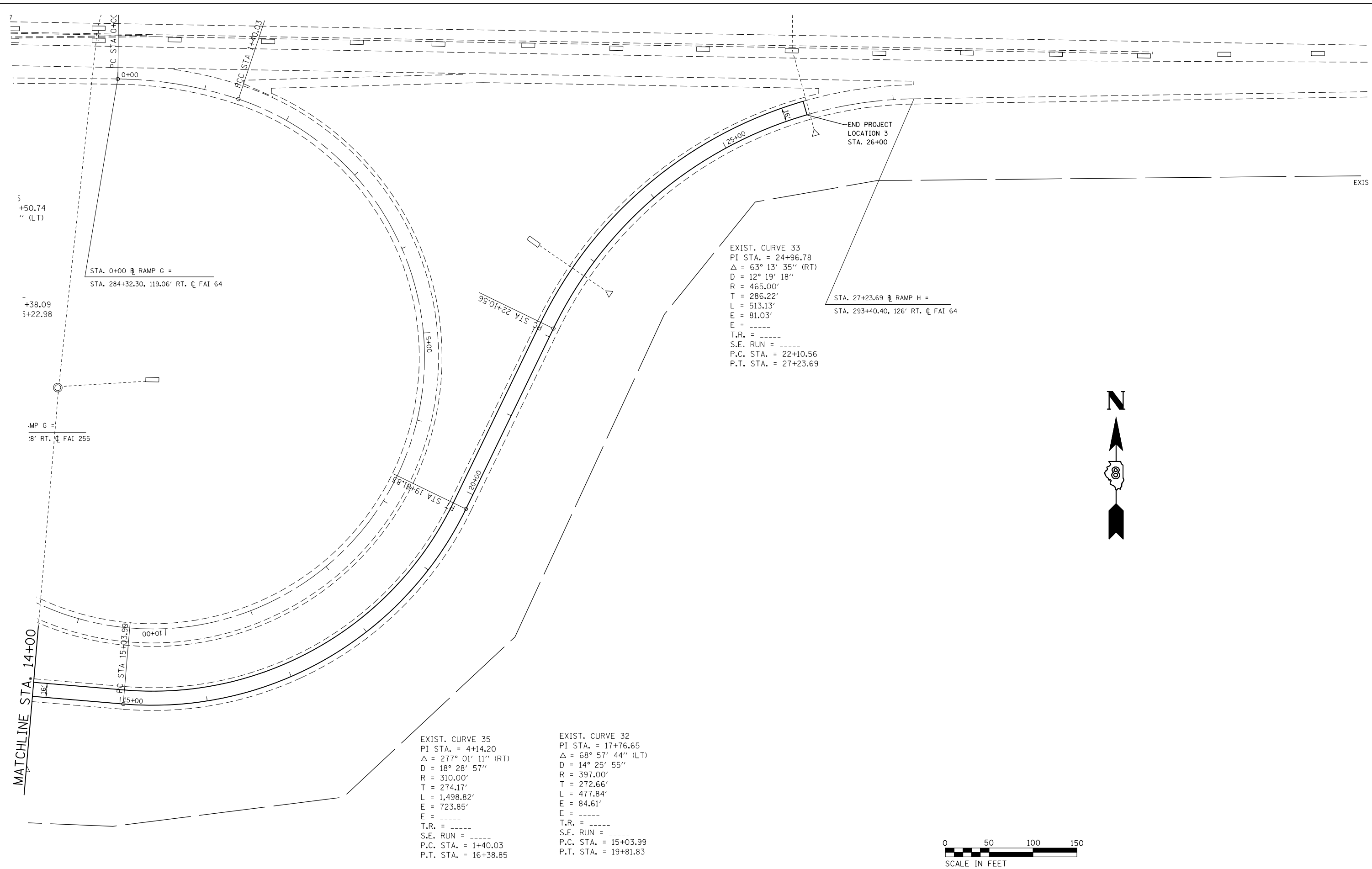
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LOCATION 3
 SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 7+00 TO STA. 14+00

F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR		DIST 8 HFST 2015-1	•	27	12
				CONTRACT NO. 76H20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

•MADISON & ST. CLAIR



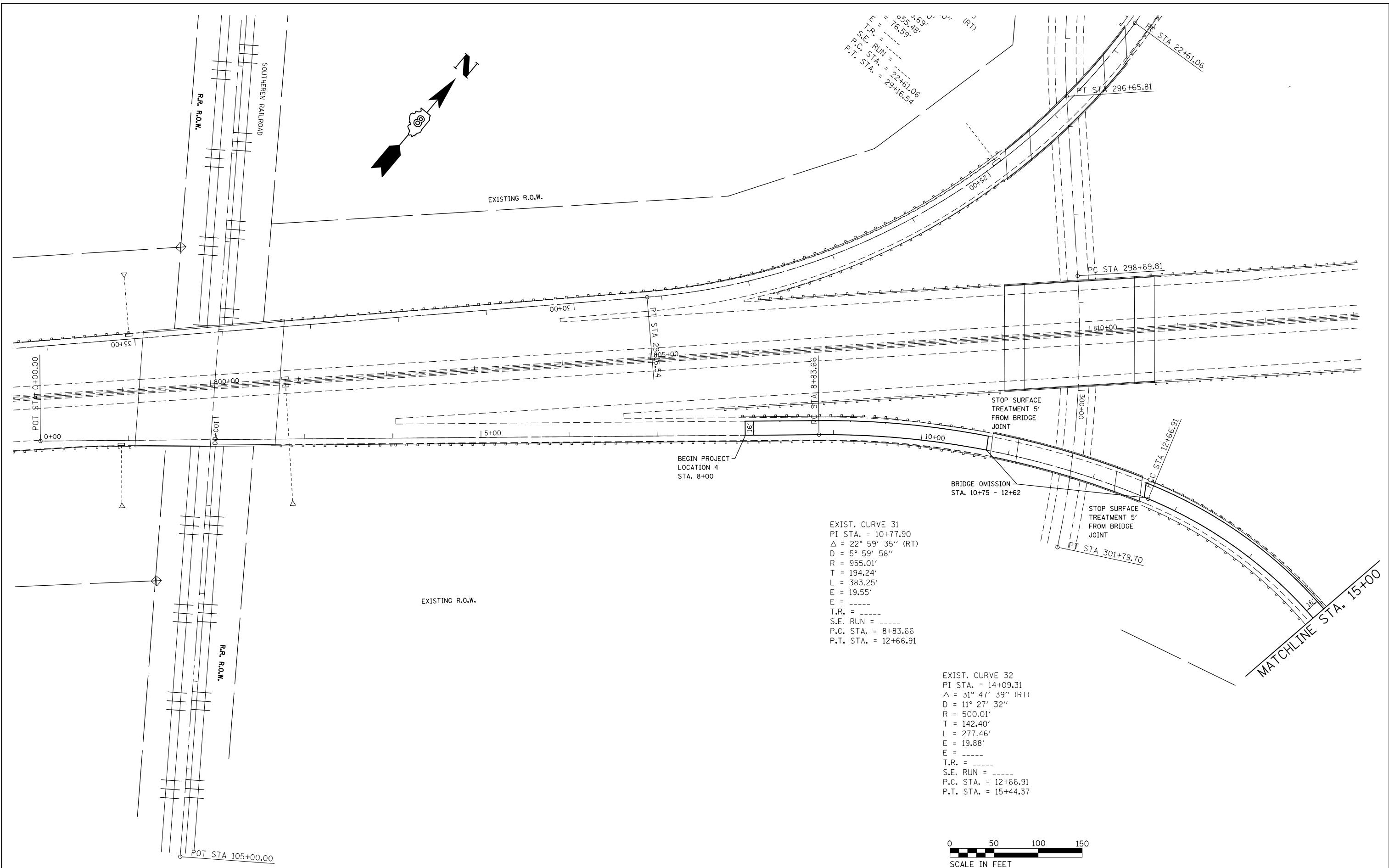
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 5/7/2014		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET LOCATION 3		
SCALE: 1" = 50'	SHEET NO. 2 OF 2 SHEETS	STA. 14+00 TO STA. 26+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	13
CONTRACT NO. 76H20			ILLINOIS FED. AID PROJECT	

*MADISON & ST. CLAIR



*MADISON & ST. CLAIR

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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET LOCATION 4		
SCALE: 1" = 50'	SHEET NO. 1 OF 2 SHEETS	STA. 8+00 TO STA. 15+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	14
CONTRACT NO. 76H20				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

$\Delta = 13^\circ 19' 29''$
 $D = 430.00'$
 $R = 93.61'$
 $T = 184.35'$
 $E = 10.07'$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 17+09.75$
 $P.T. STA. = 18+94.10$

$P.C. STA. = 17+00$
 $P.T. STA. = 11+61.48$

MATCHLINE STA. 15+00

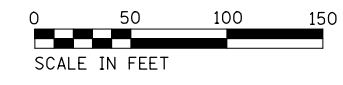
EXISTING R.O.W.

END PROJECT
LOCATION 4
STA. 24+00

EXIST. CURVE 11
 $PI STA. = 300+25.71$
 $\Delta = 15^\circ 29' 36'' (RT)$
 $D = 4^\circ 59' 59''$
 $R = 1,146.00'$
 $T = 155.90'$
 $L = 309.89'$
 $E = 10.56'$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 298+69.81$
 $P.T. STA. = 301+79.70$

00+00+0 VIS 10d

EXISTING R.O.W.



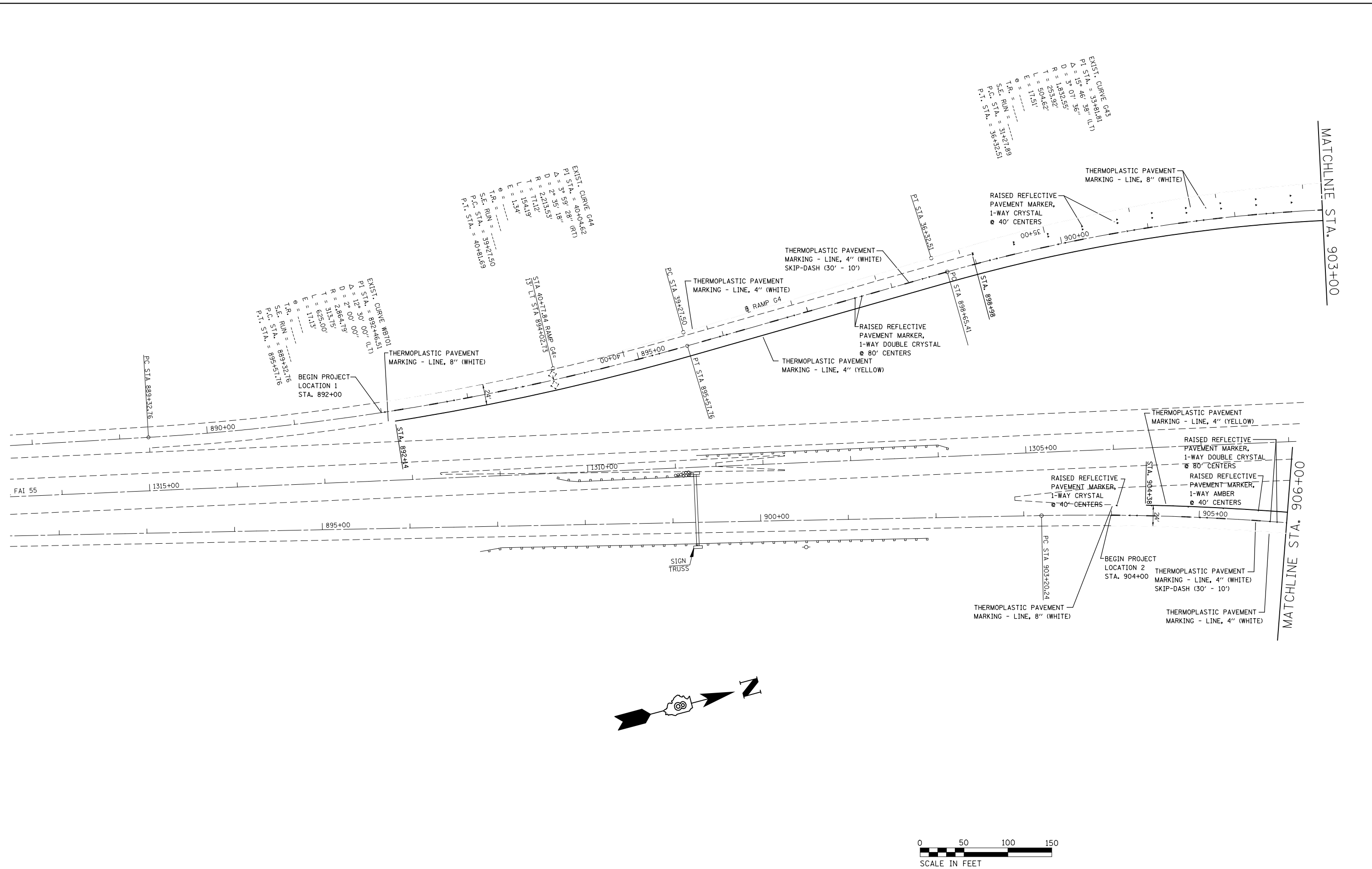
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LOCATION 4

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 15+00 TO STA. 24+00

*MADISON & ST. CLAIR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	15
CONTRACT NO. 76H20				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

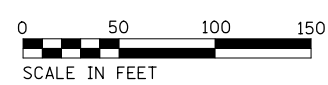


EXIST. CURVE G44
 P.I. STA. = 40+04.62
 $\Delta = 3^\circ 59' 28''$ (RT)
 $D = 2^\circ 35' 18''$
 $R = 2,213.53'$
 $T = 71.12'$
 $L = 154.19'$
 $E = 1.34'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 39+271.50
 P.C. STA. = 40+81.69
 P.T. STA. = 40+81.69

EXIST. CURVE G43
 P.I. STA. = 35+81.81
 $\Delta = 15^\circ 46' 38''$ (LT)
 $D = 3^\circ 07' 36''$
 $R = 1,832.55'$
 $T = 253.92'$
 $L = 504.62'$
 $E = 11.51'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 31+271.89
 P.C. STA. = 36+32.51
 P.T. STA. = 36+32.51

EXIST. CURVE N8101
 P.I. STA. = 892+46.51
 $\Delta = 12^\circ 30' 00''$ (LT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.19'$
 $T = 313.19'$
 $L = 625.00'$
 $E = 11.13'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = 889+32.16
 P.C. STA. = 895+57.16
 P.T. STA. = 895+57.16

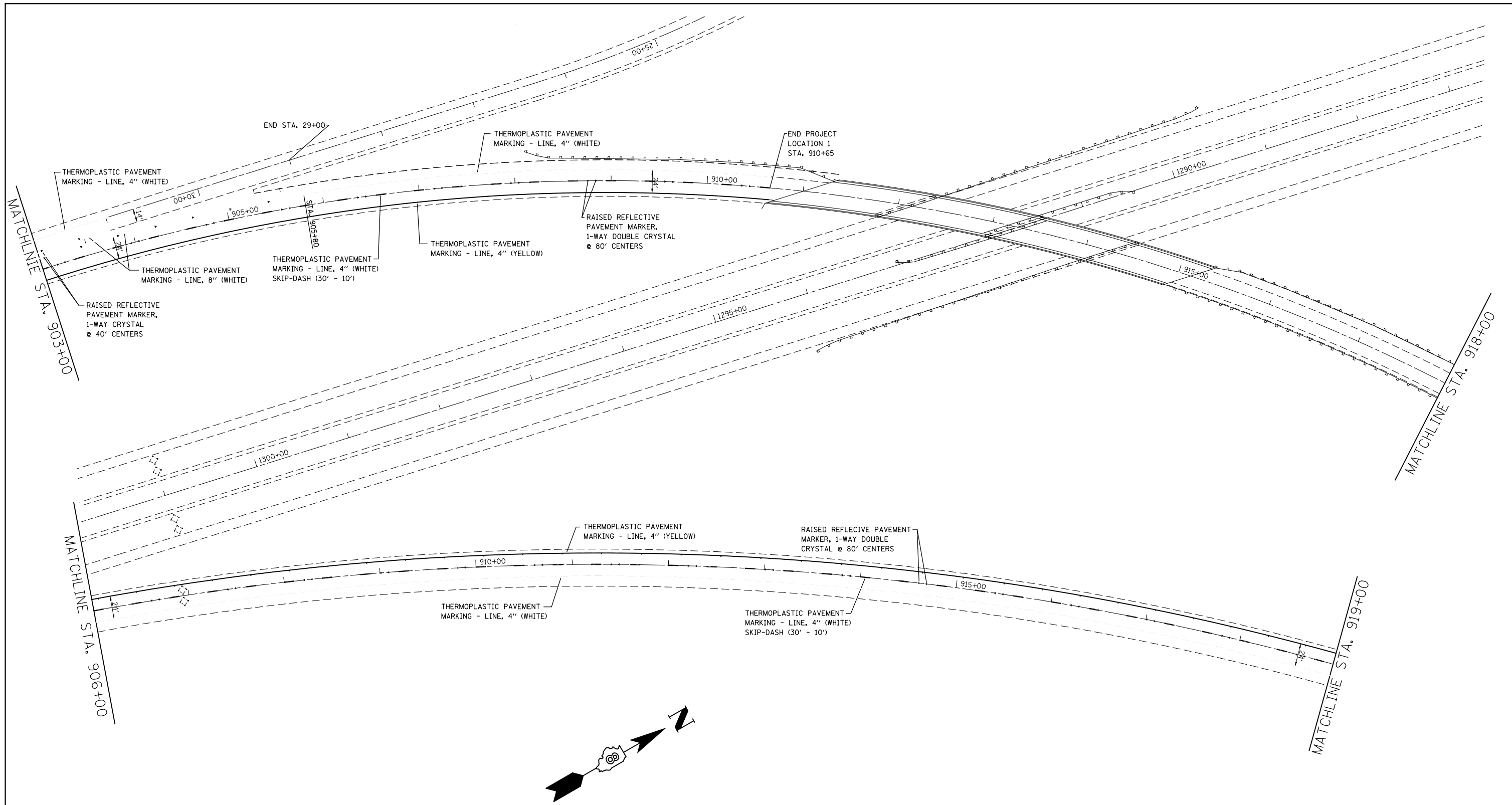
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



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PLOT DATE = 5/7/2014		DATE -	REVISED -

PAVEMENT MARKING SHEET LOCATIONS 1 & 2			
SCALE: 1" = 50'	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.

*MADISON & ST. CLAIR			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR	DIST 8 HFST 2015-1	VARIOUS	27
			SHEET NO. 16
CONTRACT NO. 76H20			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



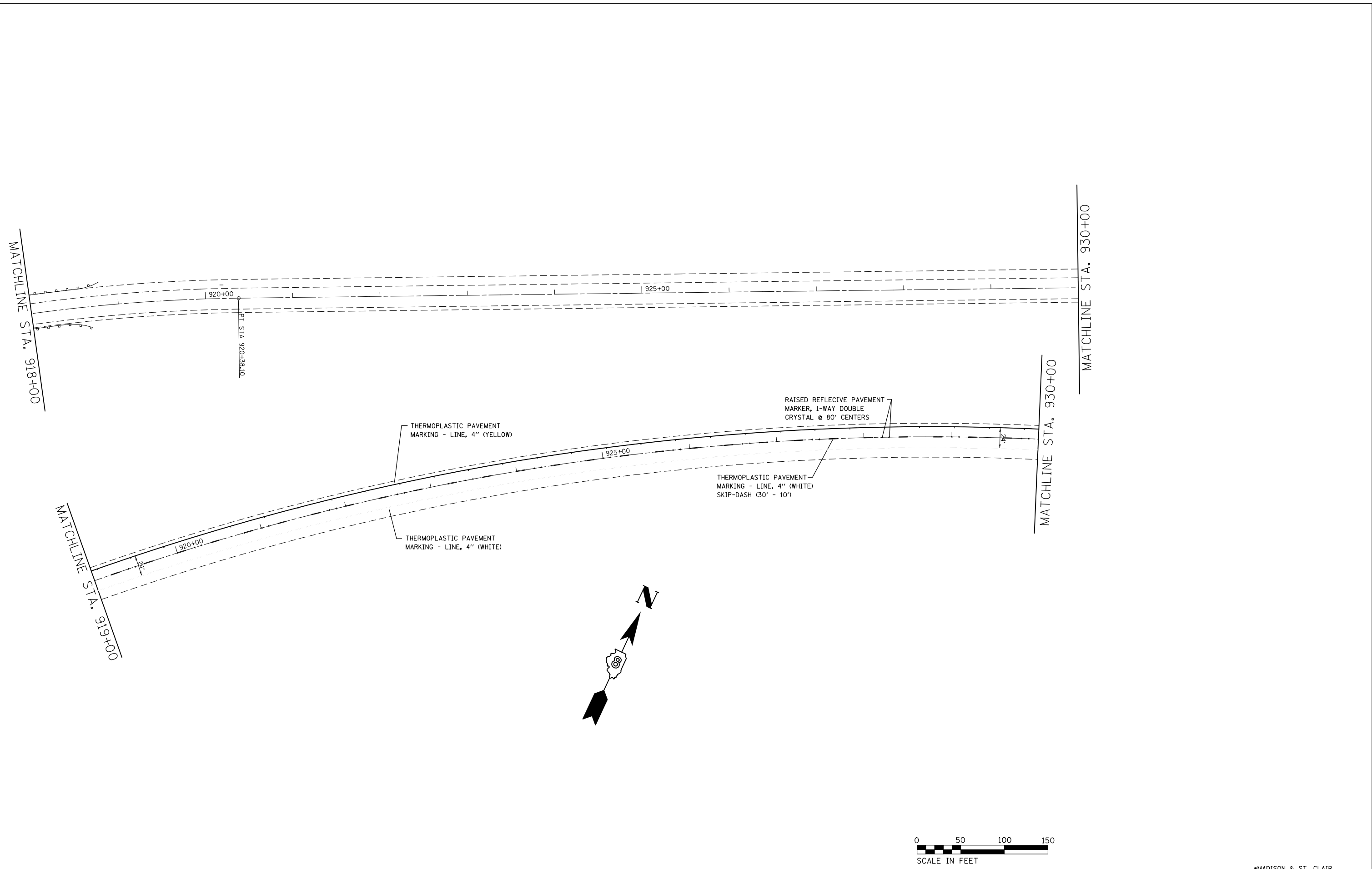
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEET LOCATIONS 1 & 2			
SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	17
CONTRACT NO. 76H20				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*MADISON & ST. CLAIR



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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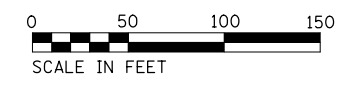
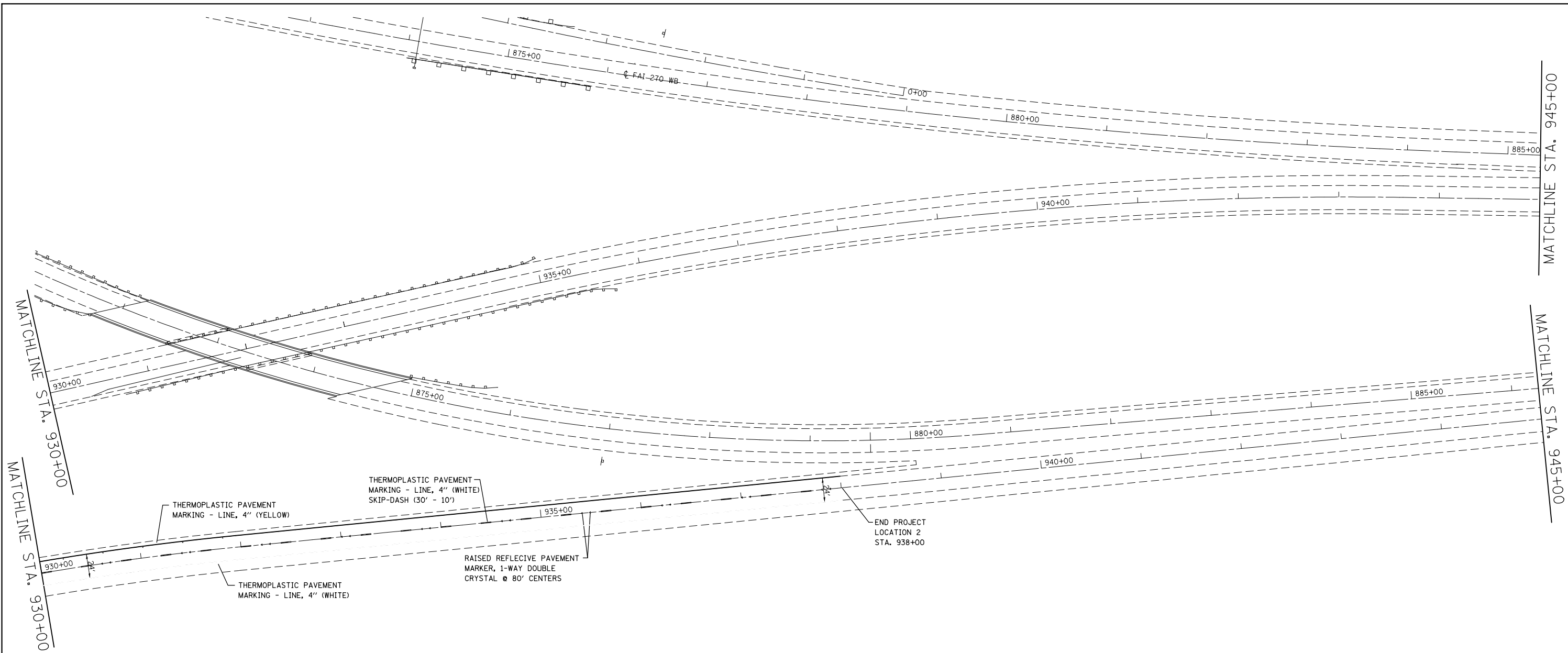
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
LOCATIONS 1 & 2**

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H20	

*MADISON & ST. CLAIR



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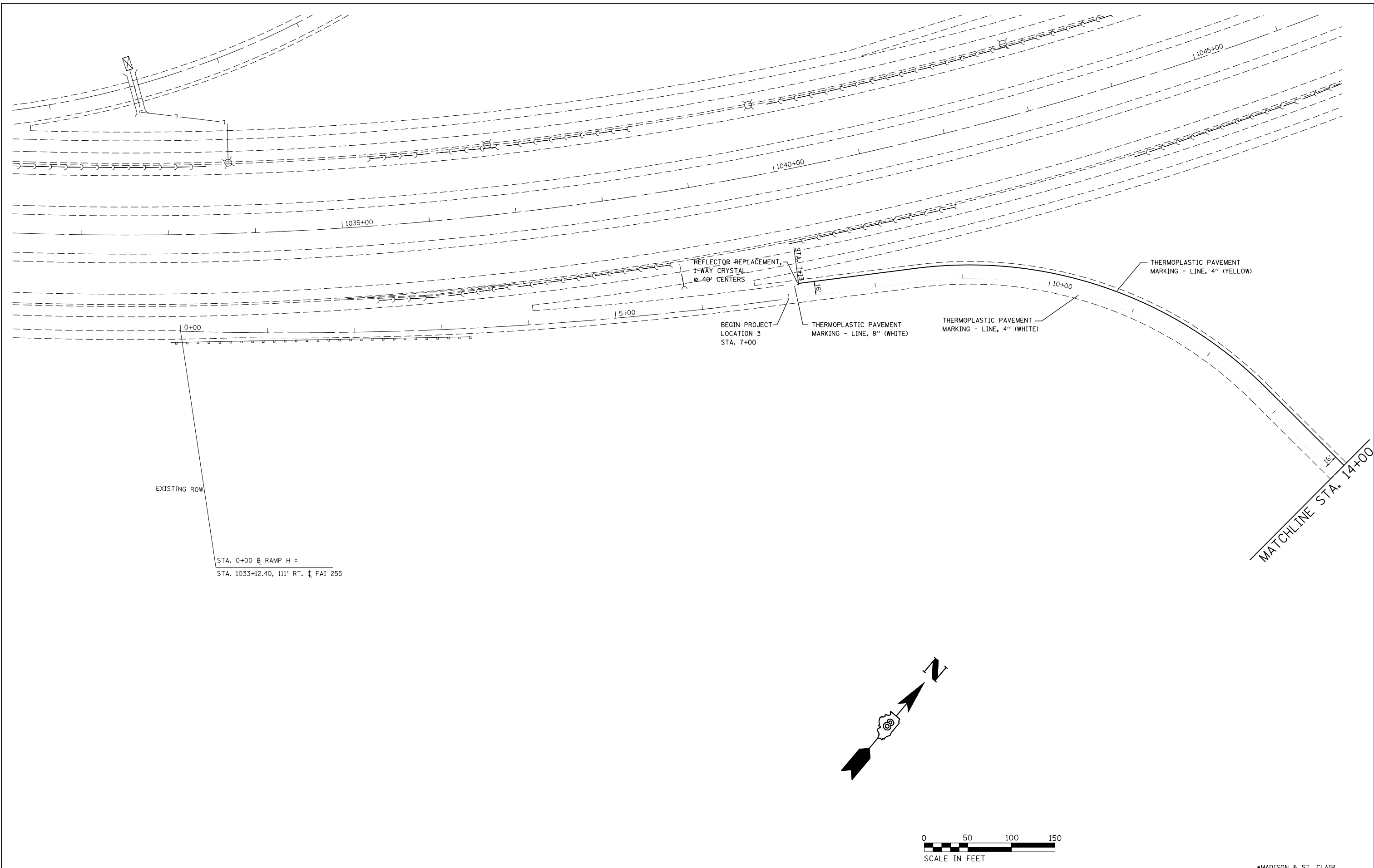
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
LOCATIONS 1 & 2**

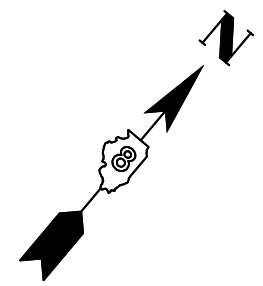
SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76H20	

•MADISON & ST. CLAIR



EXISTING ROW
 STA. 0+00 @ RAMP H =
 STA. 1033+12.40, 111' RT. @ FAI 255



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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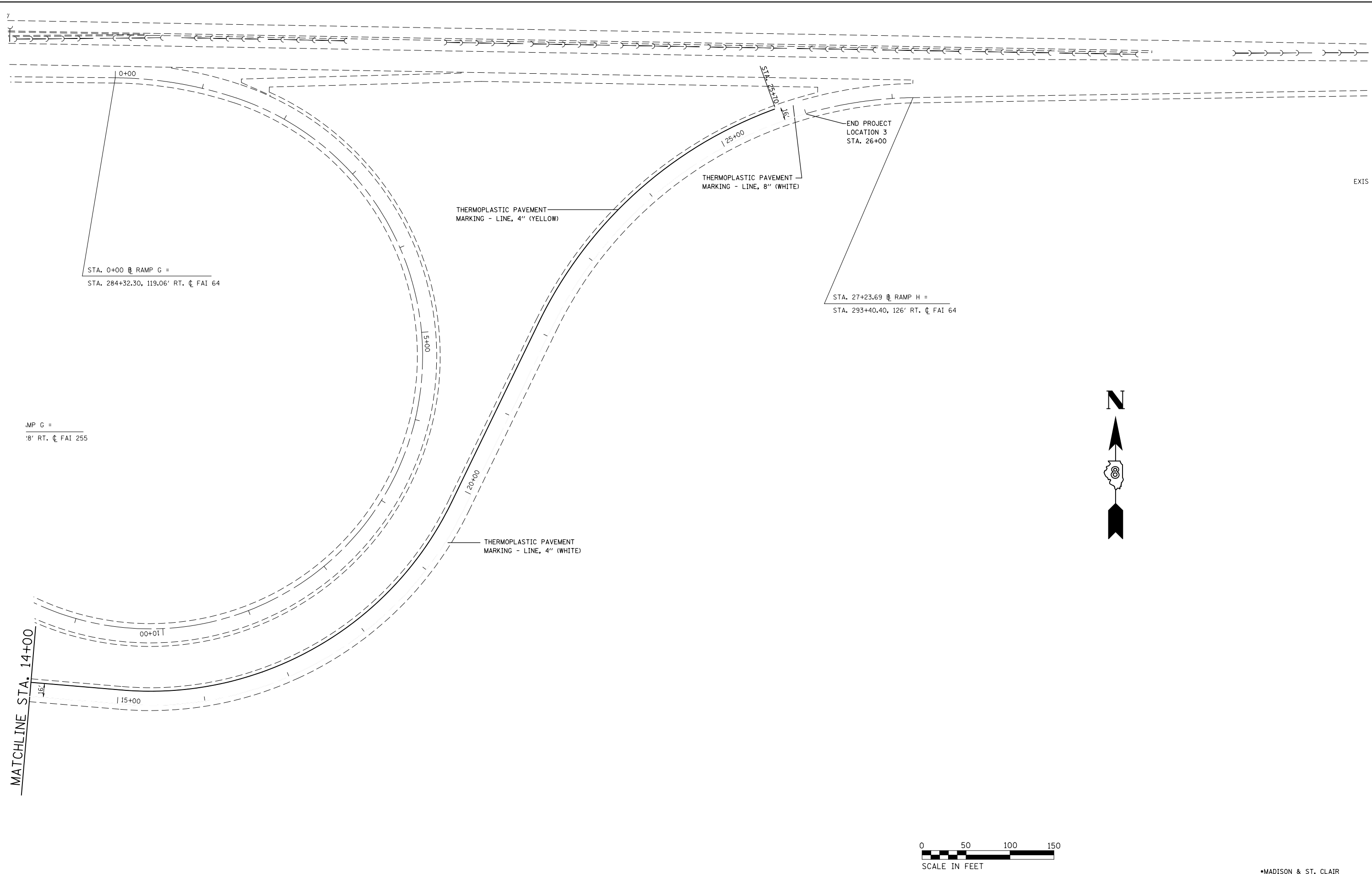
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
 LOCATION 3**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 7+00 TO STA. 14+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	20
CONTRACT NO. 76H20			ILLINOIS FED. AID PROJECT	

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EXIS



•MADISON & ST. CLAIR

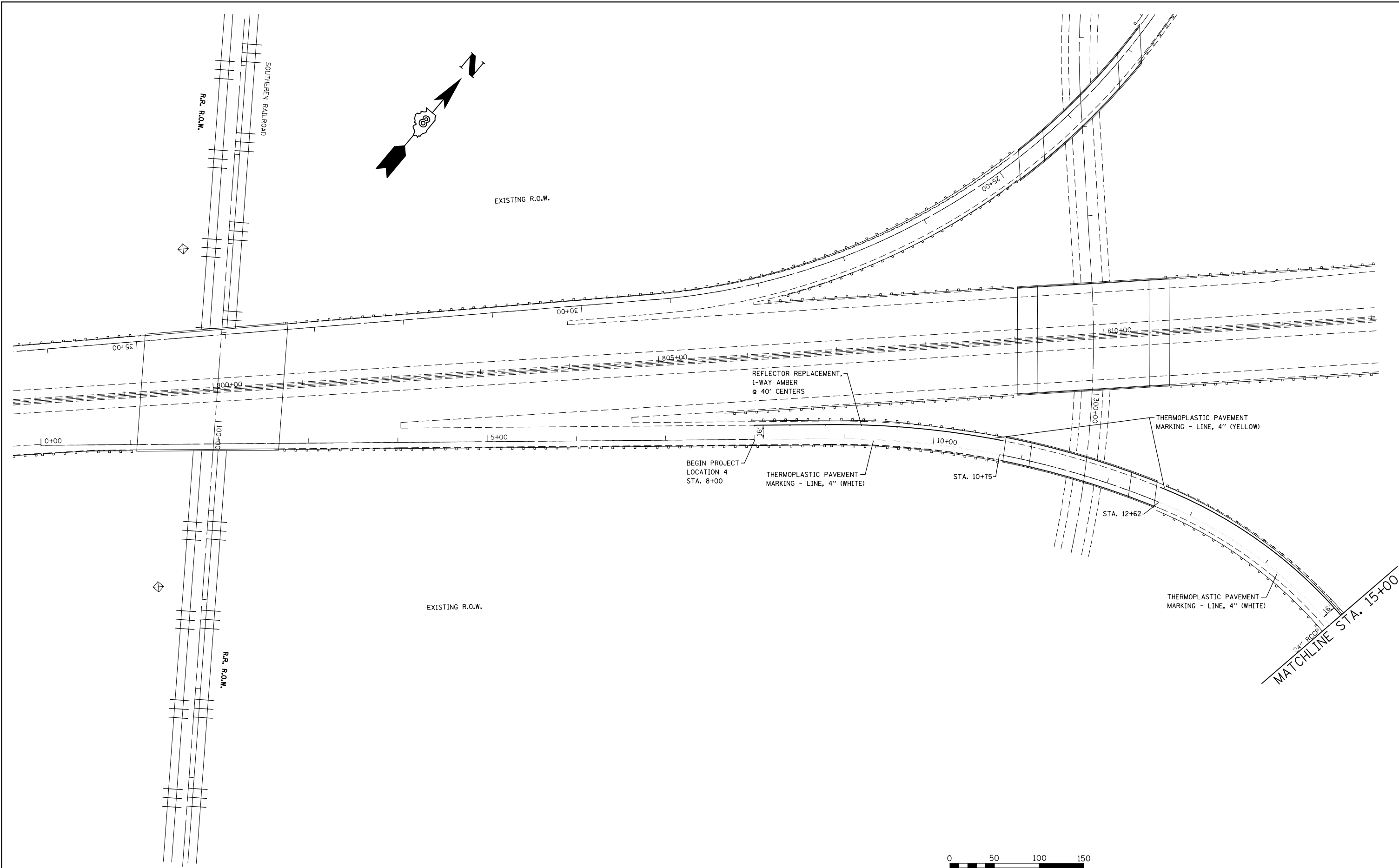
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
LOCATION 3**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	21
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76H20	

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 14+00 TO STA. 26+00



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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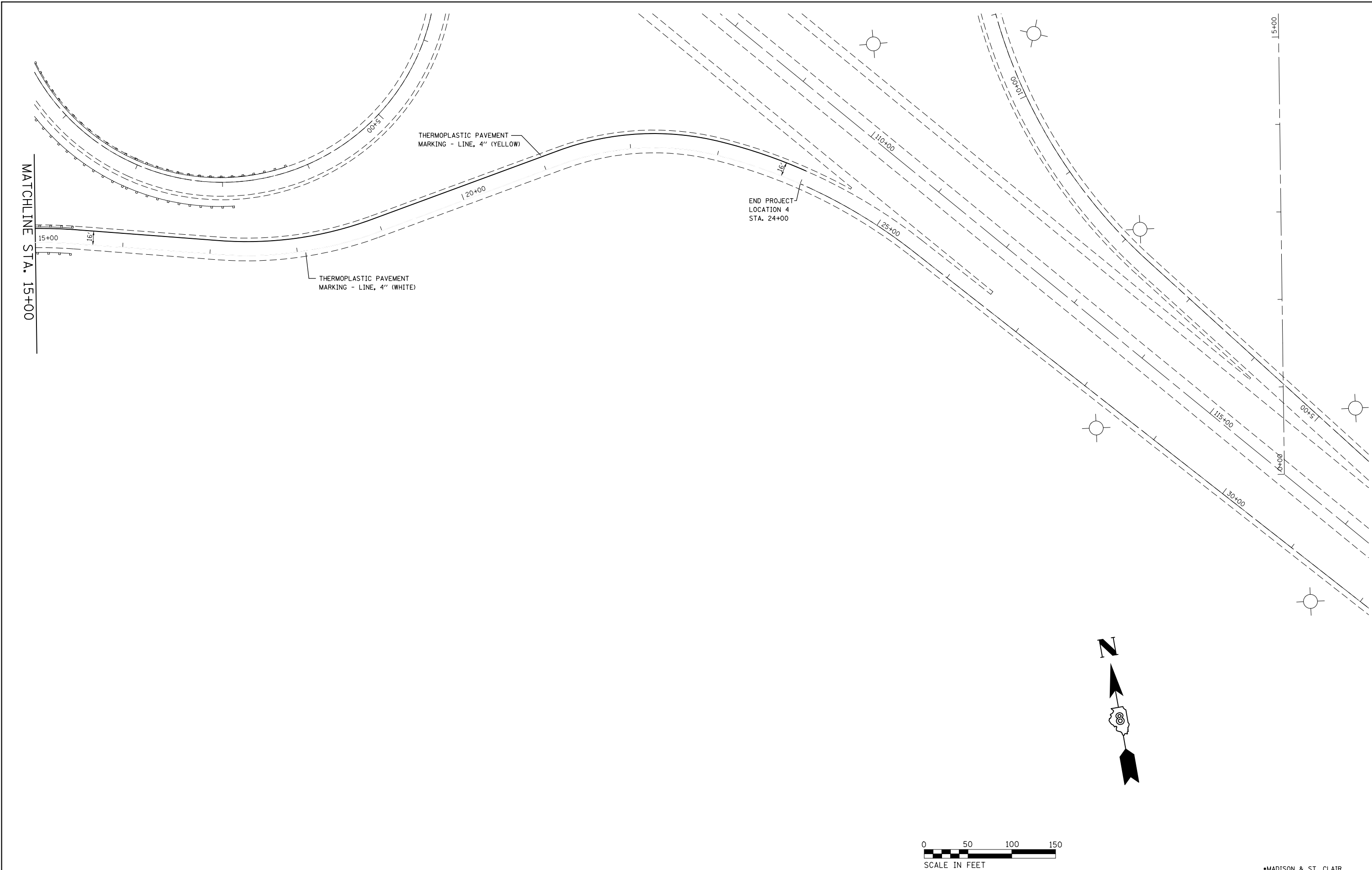
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
LOCATION 4**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76H20	

*MADISON & ST. CLAIR

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 8+00 TO STA. 15+00



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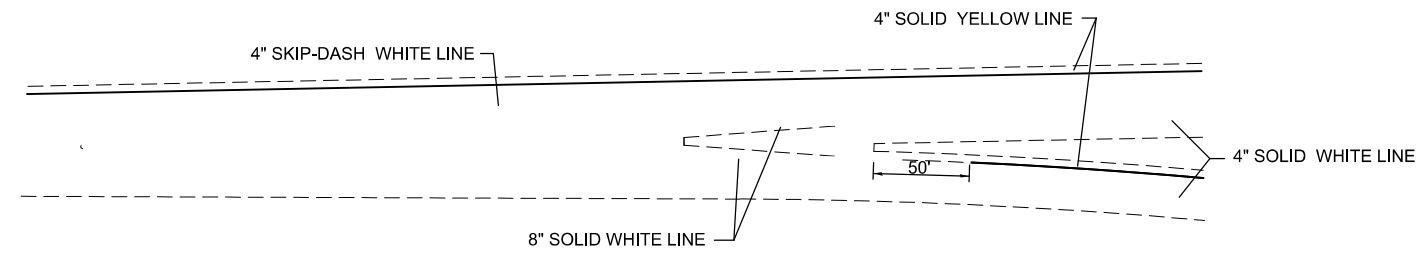
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET
LOCATION 4**

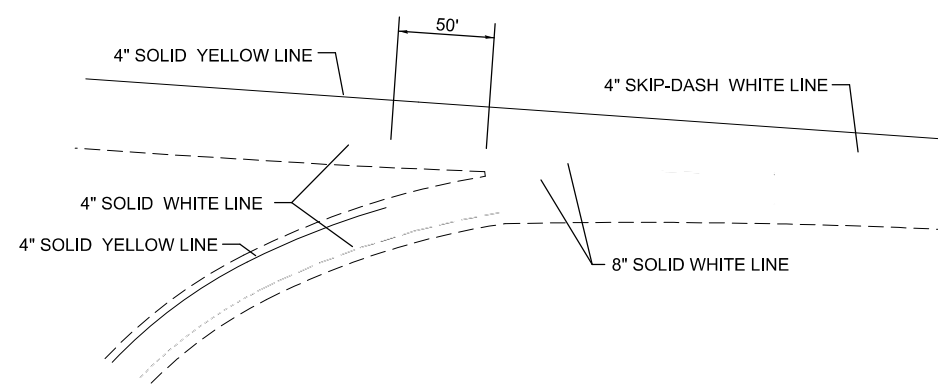
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	DIST 8 HFST 2015-1	*	27	23
CONTRACT NO. 76H20				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

*MADISON & ST. CLAIR

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 15+00 TO STA. 24+00



TYPICAL EXIT RAMP



TYPICAL ENTRANCE RAMP

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

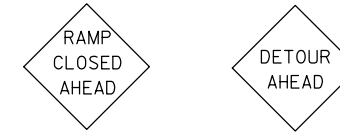
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

*MADISON & ST. CLAIR				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 HFST 2015-1	*	27	24
			CONTRACT NO. 76H20	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

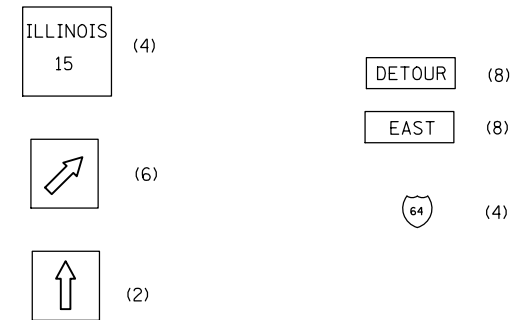
NOTES

1. DETOUR SIGNS REQUIRED WILL BE SUPPLIED TO THE CONTRACTOR BY I.D.O.T.
2. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THE DETOUR ROUTE SHEETS, AS DIRECTED BY THE R.E.R.T. THE POSTS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL GIVE ILLINOIS DEPARTMENT OF TRANSPORTATION, BUREAU OF OPERATIONS TWO WEEKS NOTICE FOR SIGNS. THE CONTRACTOR SHALL PICK UP THE SIGNS AT THE T.M. BUILDING IN FIARVIEW HEIGHTS, AND RETURN THEM UPON COMPLETION OF THE CONTRACT. CONTACT JEAN SLAPE AT 618-394-2189.
4. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING AND NO OTHER COMPENSATION WILL BE ALLOWED.
5. SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS.
6. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.
7. THE CONTRACTOR SHALL FURNISH ADVANCE WARNING SIGNS, ROAD CLOSURE SIGNS, MESSAGE BOARD, AND TYPE 3 BARRICADES.
8. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.

TO BE PROVIDED BY THE CONTRACTOR



TO BE PROVIDED BY I.D.O.T.



•MADISON & ST. CLAIR

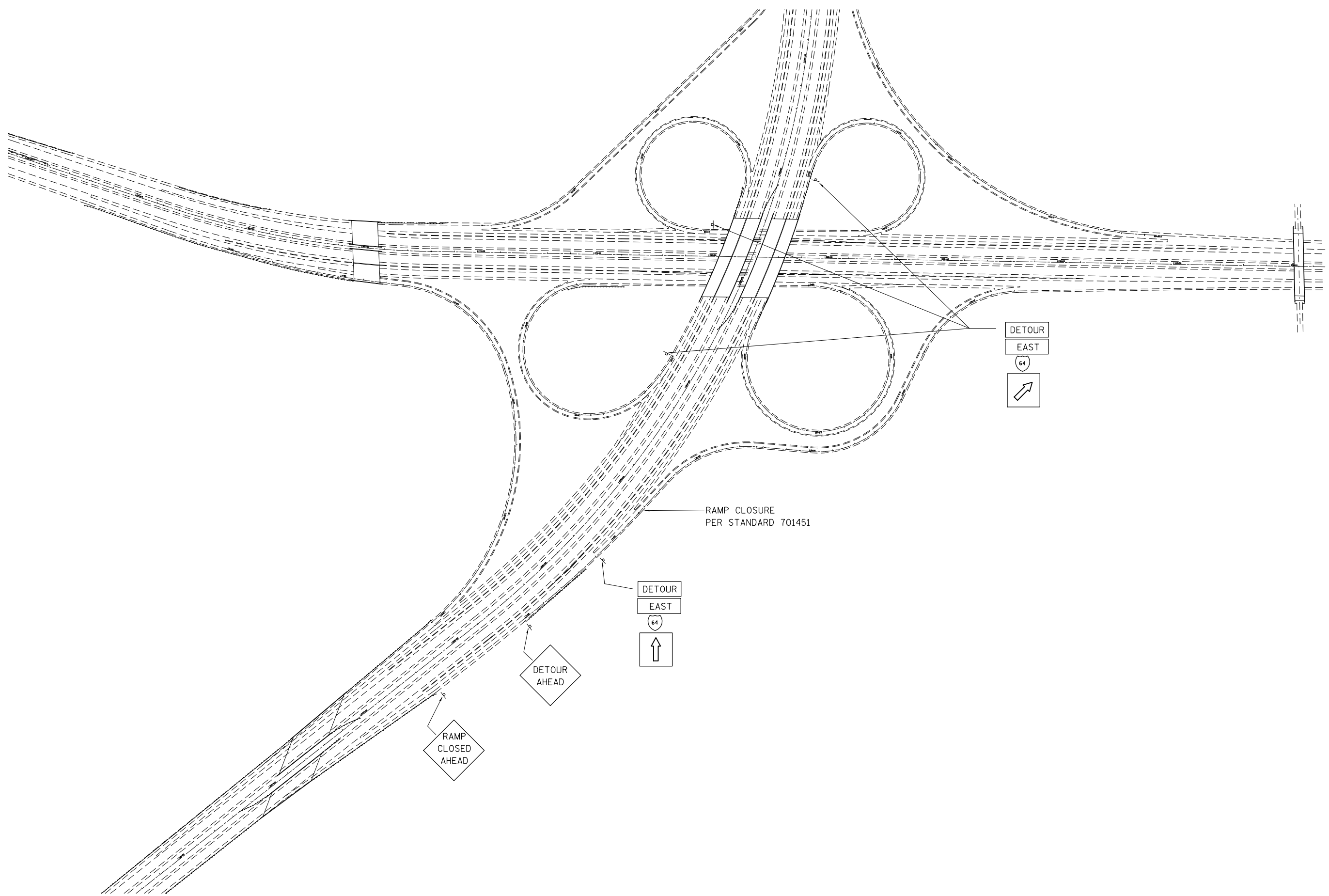
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTE
GENERAL INFORMATION**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 HFST 2015-1	*	27	25
CONTRACT NO. 76H20			ILLINOIS FED. AID PROJECT	



NOT TO SCALE

*MADISON & ST. CLAIR

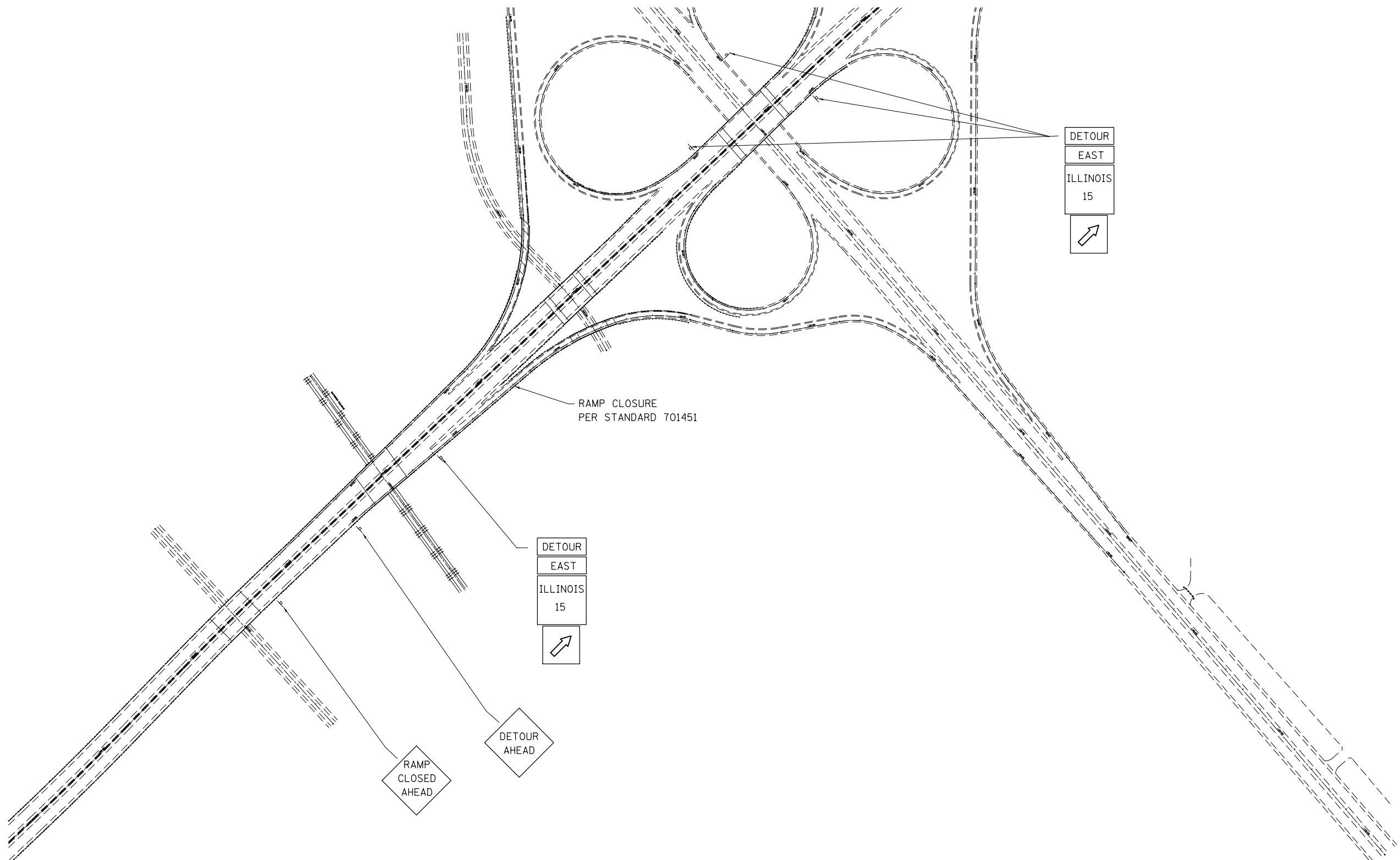
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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTE
LOCATION 3**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 HFST 2015-1	*	27	26
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76H20	



RAMP CLOSURE
PER STANDARD 701451

DETOUR
EAST
ILLINOIS
15
↗

DETOUR
EAST
ILLINOIS
15
↗

RAMP
CLOSED
AHEAD

DETOUR
AHEAD

NOT TO SCALE

•MADISON & ST. CLAIR

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	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTE
LOCATION 4**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 HFST 2015-1	*	27	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H20	