

038

06-14-2019 LETTING ITEM 038

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	1
ILLINOIS CONTRACT NO. 76L69				

INDEX OF SHEETS

- 1 COVER
- 2 HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS
- 3-4 SUMMARY OF QUANTITIES
- 5-7 TYPICAL SECTIONS
- 8-10 SCHEDULE OF QUANTITIES
- 11 DETAILS
- 12-17 DETOUR ROUTES
- 18 RAMP LIMITS OF MICROSURFACING
- 19 TRAFFIC COUNTER DETAIL
- 20 WEIGH-IN-MOTION DETAIL
- 21 CHANGEABLE MESSAGE SIGN LOCATIONS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO.2

TRAFFIC DATA

SAND PRAIRIE RD. TO BLACK LN.  
 2017 ADT (ACTUAL): 55000  
 2038 ADT (ESTIMATED): 65000  
 SU: 2.7%  
 MU: 11.6%

BLACK LN. TO I-255  
 2017 ADT (ACTUAL): 52800  
 2038 ADT (ESTIMATED): 62400  
 SU: 2.0%  
 MU: 12.5%

I-255 TO IL-157  
 2017 ADT (ACTUAL): 57800  
 2038 ADT (ESTIMATED): 68300  
 SU: 2.3%  
 MU: 14.9%

IL-157 TO IL-159  
 2017 ADT (ACTUAL): 47100  
 2038 ADT (ESTIMATED): 55700  
 SU: 2.3%  
 MU: 15.5%

IL-159 TO US-40  
 2017 ADT (ACTUAL): 46700  
 2038 ADT (ESTIMATED): 55200  
 SU: 2.6%  
 MU: 16.1%



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 LOCATING INFORMATION FOR EXCAVATORS  
 1-800-892-0123  
 OR 811

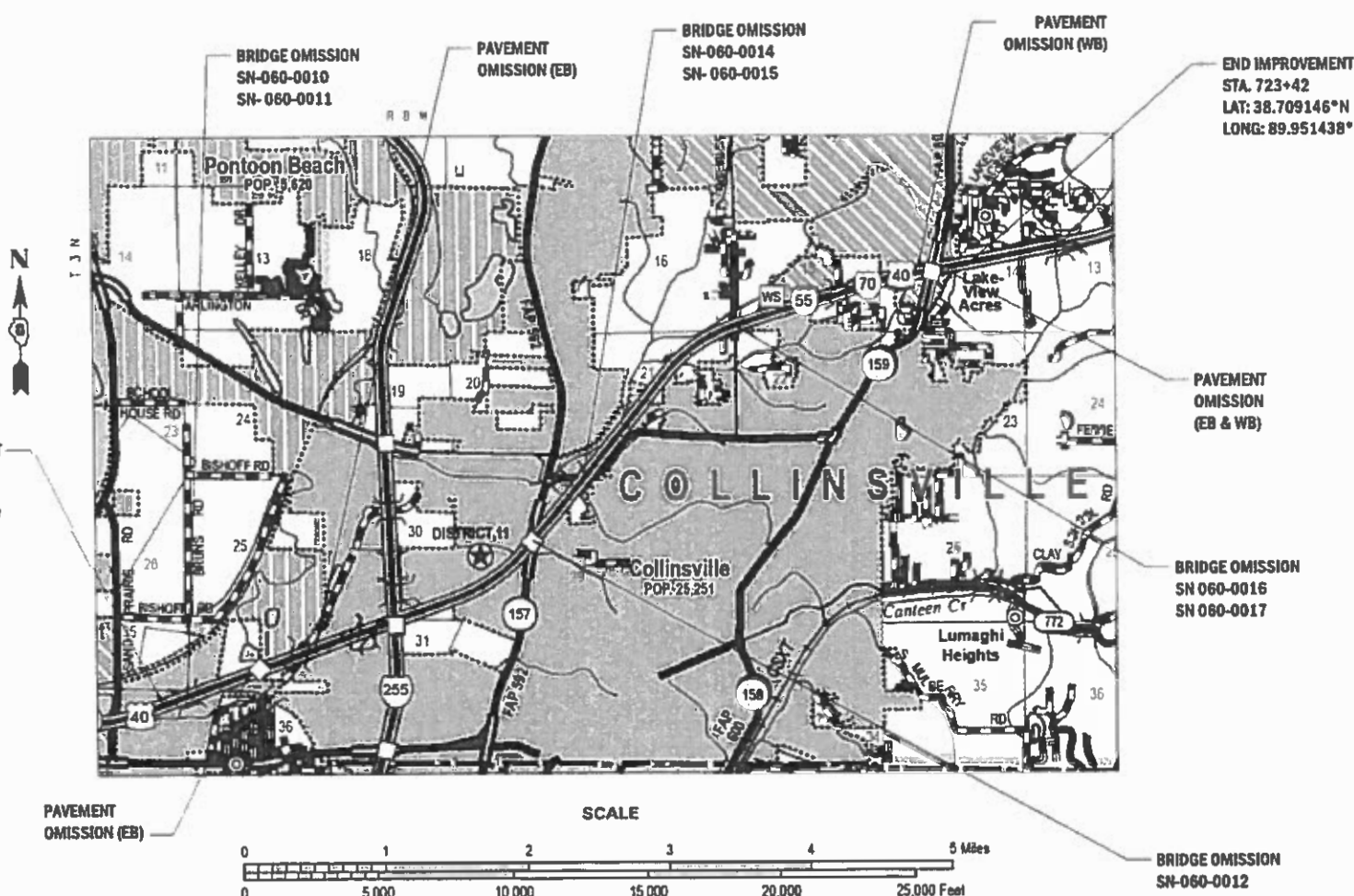
PROJECT ENGINEER: TIM PADGETT (618) 346-3325  
 PROJECT MANAGER: MESERET SIMA (618) 346-3141

CONTRACT NO. 76L69

# PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 70 (I-55/70)  
 SECTION 60-(6,7,8,9)RS-1  
 PROJECT NHPP-KZNF(692)  
 MICROSURFACING 2-PASS  
 MADISON COUNTY

C-98-271-18



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 12, 2019  
Keith Roberts as REGIONAL ENGINEER

May 10, 2019  
EA. ETS as ENGINEER OF DESIGN AND ENVIRONMENT

May 19, 2019  
Paul J. Chaf as DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GROSS LENGTH = 35112.00 FEET = 6.650 MILES  
 NET LENGTH = 30570.00 FEET = 5.789 MILES

## HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## GENERAL NOTES

- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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.
- THE PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATION AS EXISTING OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- MICROSURFACING SHALL NOT COVER EXISTING RUMBLE STRIP IN THE SHOULDER.
- WEIGH IN MOTION (SCALE ALONG WESTBOUND I-55/70 WEST OF IL-159 INTERCHANGE) SHALL BE PROTECTED DURING HMA SURFACE CORRECTION AND MICROSURFACING.
- THE REFLECTIVE PAVEMENT MARKERS SHALL NOT BE PLACED IN THE SAME LOCATION AS THEY WERE PREVIOUS.
- ELEVEN CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED TO BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE.
- ANY SHORT TERM PAVEMENT MARKING ON FINAL SURFACE INCLUDING SHOULDER SHALL BE TAPED.
- THE EXISTING PAVEMENT SURFACE SHALL BE MILLED TO A DEPTH OF ½" AT THE CENTERLINE. THIS WORK SHALL BE PAID FOR AS HOT-MIX ASPHALT SURFACE CORRECTION.
- THE FOLLOWING STRUCTURES AND CONCRETE PAVEMENTS ARE OMITTED FROM THIS CONTRACT:

## COMMITMENTS

- THE ENGINEER SHALL COORDINATE WITH MASTER SERGEANT MILLER OF THE ILLINOIS STATE POLICE AT 618-830-7040 TO DETERMINE CLOSURE DATES.

## MIXTURE CHART

MIXTURE USE	POLY PATCHING	MICROSURFACING
AC/PG	SBS PG 76-22	
RAP % (MAX)	SEE SPECIAL PROVISION	
DESIGN AIR VOIDS	4.0% @ Ndes=90	
MIX COMPOSITION (GRADATION)	IL 9.5	
FRICTION AGG	MIXTURE "E"	MIXTURE "E"
QUALITY MGMT PROGRAM	QC/QA	

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN

BRIDGE OMISSION EASTBOUND			
STRUCTURE NO.	BEGIN OMISSION	END OMISSION	LENGTH FOOT
060-0011	377+00	379+88	288
060-0012	512+04	515+22	318
060-0014	543+41	546+00	259
060-0016	624+31	626+35	204

EASTBOUND CONCRETE PAVEMENT OMISSION					
PCC LOCATION	BEGIN OMISSION	TO	END OMISSION	LANE EB	LENGTH FOOT
UNDER BLACK LN	399+97	TO	401+77	1	180
UNDER FAIRMONT AVE.	413+90	TO	418+30	1-3	440
UNDER FAIRMONT AVE.	415+16	TO	417+55	4-5	239
AUX. LANE TO MERGE/EXIT I-55/70	698+30	TO	704+14	1	584

BRIDGE OMISSION WESTBOUND			
STRUCTURE NO.	BEGIN OMISSION	END OMISSION	LENGTH FOOT
060-0010	375+16	378+05	289
060-0013	513+07	516+25	318
060-0015	542+72	545+31	259
060-0017	624+31	626+35	204

WESTBOUND CONCRETE PAVEMENT OMISSION					
PCC LOCATION	BEGIN OMISSION	TO	END OMISSION	LANE WB	LENGTH FOOT
WEST OF IL-159	686+66	TO	689+65	1	299
AUX. LANE TO MERGE/EXIT I-55/70	699+41	TO	706+02	1	661

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HIGHWAY STANDARDS, GENERAL NOTES, &amp; COMMITMENTS</b>	F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876L69\DRAWING\CAD\Sheets\0876L69-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			70	60-(6,7,8,9)RS-1	MADISON	21	2	
Default	PLOT DATE = 3/21/2019	DATE -	REVISED -			CONTRACT NO. 76L69		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE	
				ROADWAY 0005 URBAN	
40400001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	140869	140869	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	63046	63046	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	61	61	
44000690	HOT-MIX ASPHALT SURFACE CORRECTION	SQ YD	280206	280206	
44201053	CLASS B PATCHES, TYPE IV, 17 INCH	SQ YD	61	61	
44201055	CLASS B PATCHES, TYPE II, 17 INCH	SQ YD	18	18	
44201299	DOWEL BARS 1 1/2"	EACH	92	92	
44213200	SAW CUTS	FOOT	290	290	
67100100	MOBILIZATION	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	20	20	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	154	154	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE	
				ROADWAY 0005 URBAN	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16585	16585	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5695	5695	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	167	167	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	30338	30338	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	191813	191813	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	8905	8905	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	167	167	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	30338	30338	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	191813	191813	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	8905	8905	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2698	2698	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2698	2698	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	664	664	
* X0301242	PIEZO AXLE SENSOR, CLASS II	FOOT	69	69	

\* SPECIALTY ITEM

REV. - MS

FILE NAME =	USER NAME = sjmam	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/21/2019	DATE -	REVISED -								

90% FED  
10% STATE

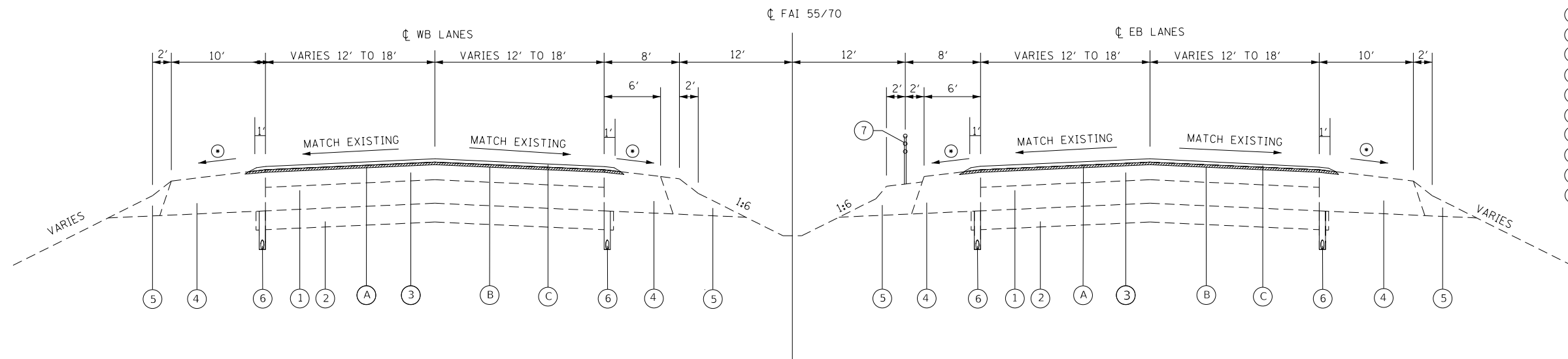
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0005 URBAN
X0326808	INTERSTATE WEEKEND CLOSURE, SPECIAL	L SUM	1	1
X1600003	MICRO-SURFACING, 2 PASSES, MIXTURE E	SQ YD	280206	280206
X4405020	LONGITUDINAL PARTIAL DEPTH REMOVAL 2"	FOOT	77	77
X4406020	PARTIAL DEPTH REMOVAL, TYPE I, 2"	SQ YD	347	347
X4406220	PARTIAL DEPTH REMOVAL, TYPE II, 2"	SQ YD	243	243
X4406420	PARTIAL DEPTH REMOVAL, TYPE III, 2"	SQ YD	606	606
X4406620	PARTIAL DEPTH REMOVAL, TYPE IV, 2"	SQ YD	117	117
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	1.98	1.98
X4421000	PARTIAL DEPTH PATCHING	TON	155	155
∅ Z0076600	TRAINEES	HOUR	1000	1000
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	112289	112289
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000
Z0016702	DETOUR SIGNING	L SUM	1	1

∅ 0042

REV. - MS

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.				CONTRACT NO. 76L69				
	PLOT DATE = 3/21/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								





- LEGEND**
- ① EXISTING P.C.C. PAVEMENT, 10"
  - ② EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
  - ③ EXISTING HOT-MIX ASPHALT SURFACE, 7 1/2"
  - ④ EXISTING BITUMINOUS SHOULDERS
  - ⑤ EXISTING AGGREGATE SHOULDERS
  - ⑥ EXISTING PIPE UNDERDRAINS, 4"
  - ⑦ EXISTING HIGH TENSION CABLE MEDIAN BARRIER
  - Ⓐ HOT-MIX ASPHALT SURFACE CORRECTION 1/2"
  - Ⓑ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
  - Ⓒ PROPOSED MICRO-SURFACING, 2 PASSES

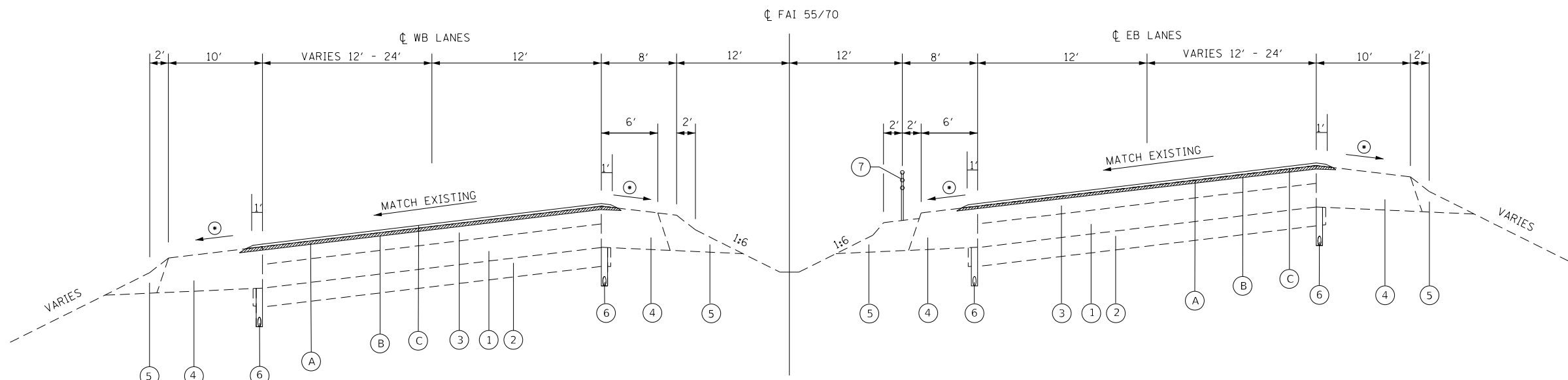
**WESTBOUND**

STA 372+30 TO STA. 575+16  
 STA 378+05 TO STA. 513+07  
 STA 516+25 TO STA. 542+72  
 STA 545+31 TO STA. 565+00

**EASTBOUND**

STA 372+30 TO STA. 377+00  
 STA 379+88 TO STA. 512+04  
 STA 515+22 TO STA. 543+41  
 STA 546+00 TO STA. 565+00

⊙ MATCH EXISTING



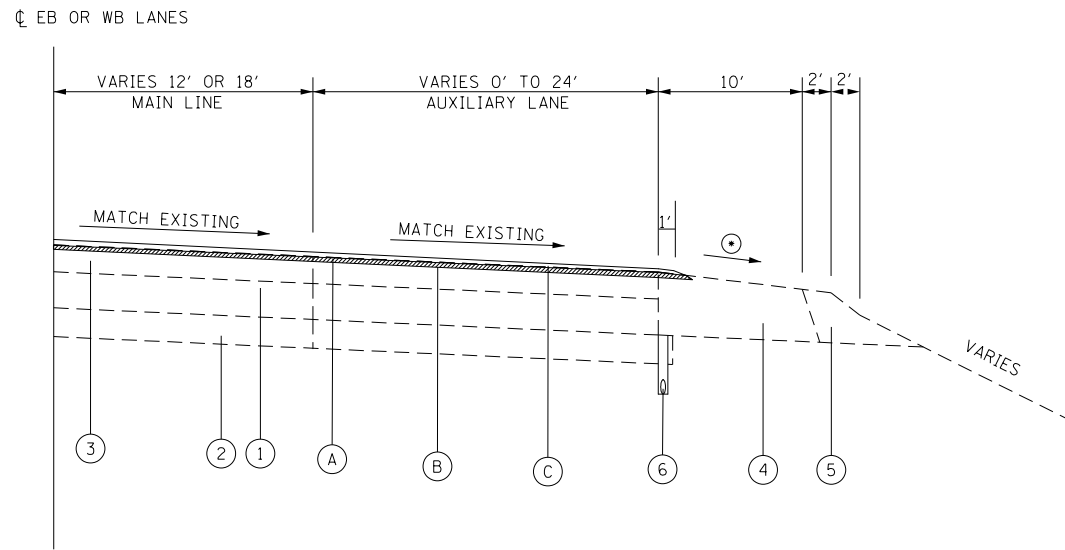
**WESTBOUND**

SUPERELEVATED SECTION

**EASTBOUND**

SUPERELEVATED SECTION

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/21/2019	DATE -	REVISED -		SCALE:	SHEET 1	OF 3 SHEETS	STA.	TO STA.			



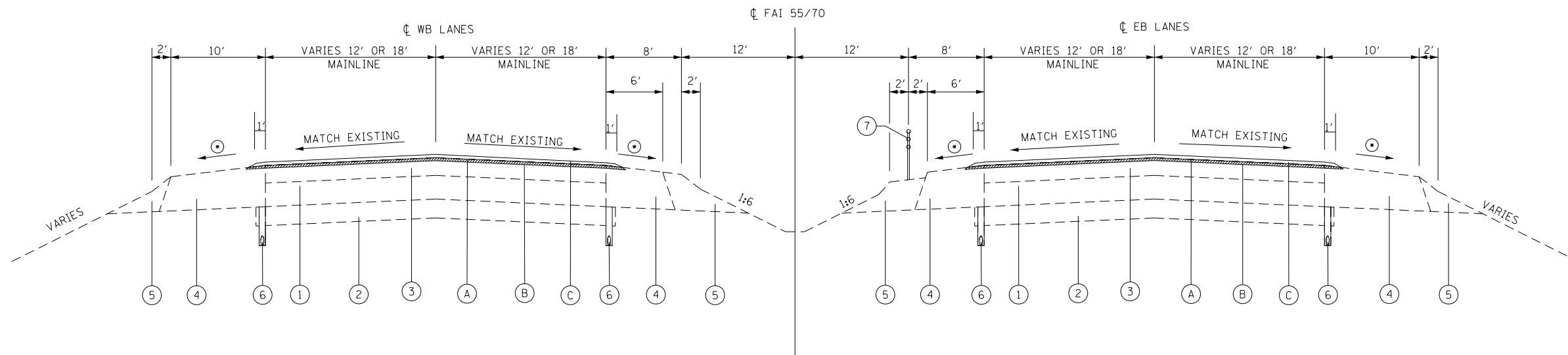
**TYPICAL SECTION AUXILIARY LANE**

STA. 395+50 E.B. TO STA. 399+38 E.B.  
 STA. 401+78 E.B. TO STA. 414+79 E.B.  
 STA. 417+59 E.B. TO STA. 424+57 E.B.  
 STA. 448+61 E.B. TO STA. 460+73 E.B.  
 STA. 471+85 E.B. TO STA. 488+80 E.B.

**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, 10"
- ② EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 7 1/2"
- ④ EXISTING BITUMINOUS SHOULDERS
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ EXISTING PIPE UNDERDRAINS, 4"
- ⑦ EXISTING HIGH TENSION CABLE MEDIAN BARRIER
- Ⓐ HOT-MIX ASPHALT SURFACE CORRECTION 1/2"
- Ⓑ PROPOSED BITUMINOUS MATERIAL (TACK COAT)
- Ⓒ PROPOSED MICRO-SURFACING, 2 PASSES

⊙ MATCH EXISTING



**WESTBOUND**

STA 565+00 TO STA. 624+31  
 STA 626+35 TO STA. 723+42

**EASTBOUND**

STA 565+00 TO STA. 624+31  
 STA 626+35 TO STA. 723+42

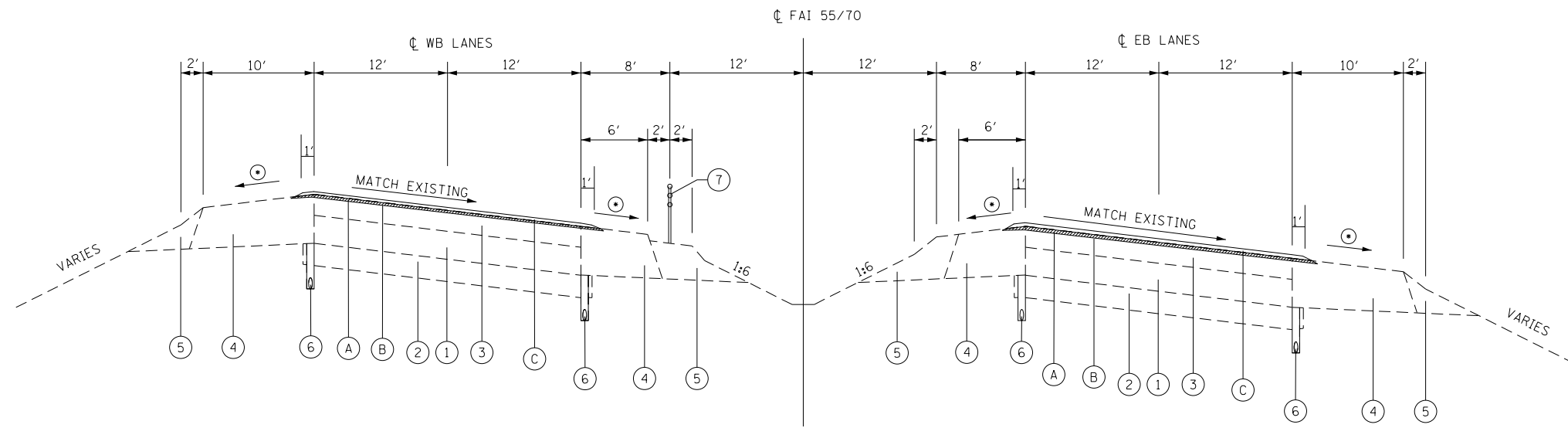
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L69	

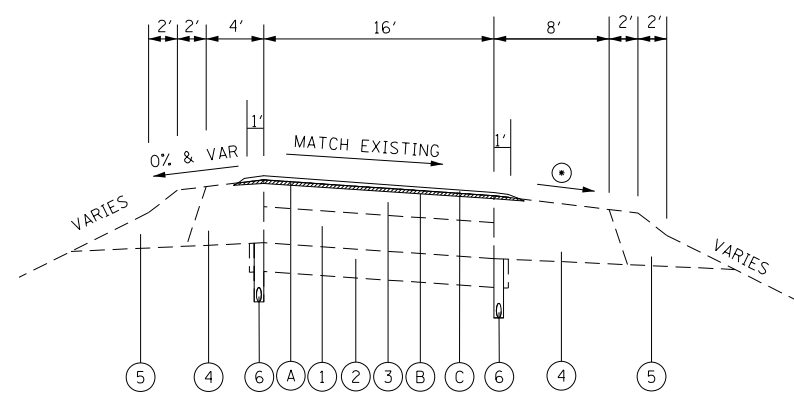


**WESTBOUND**  
SUPERELEVATED SECTION

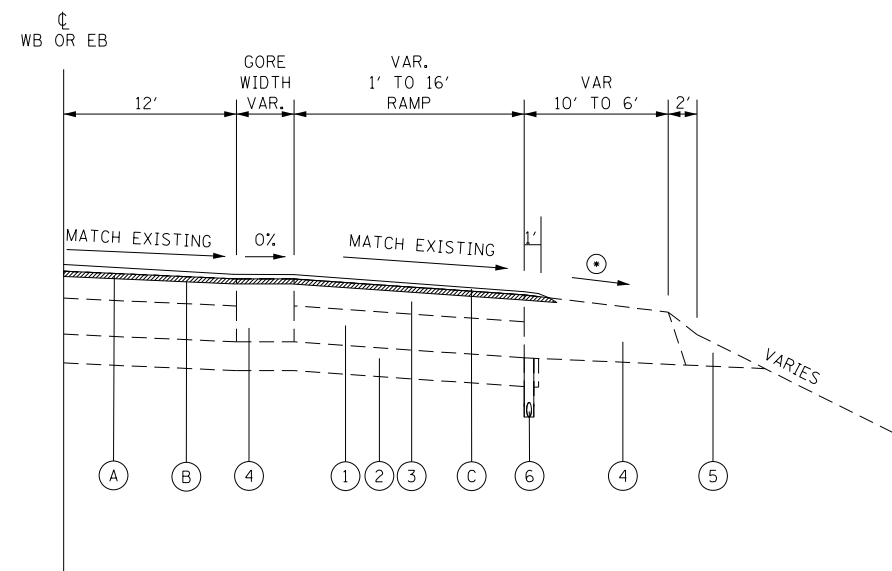
**EASTBOUND**  
SUPERELEVATED SECTION

- LEGEND**
- ① EXISTING P.C.C. PAVEMENT, 10"
  - ② EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A, 8"
  - ③ EXISTING HOT-MIX ASPHALT SURFACE, 7 1/2"
  - ④ EXISTING BITUMINOUS SHOULDERS
  - ⑤ EXISTING AGGREGATE SHOULDERS
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  - ⑦ EXISTING HIGH TENSION CABLE MEDIAN BARRIER
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  - Ⓒ PROPOSED MICRO-SURFACING, 2 PASSES

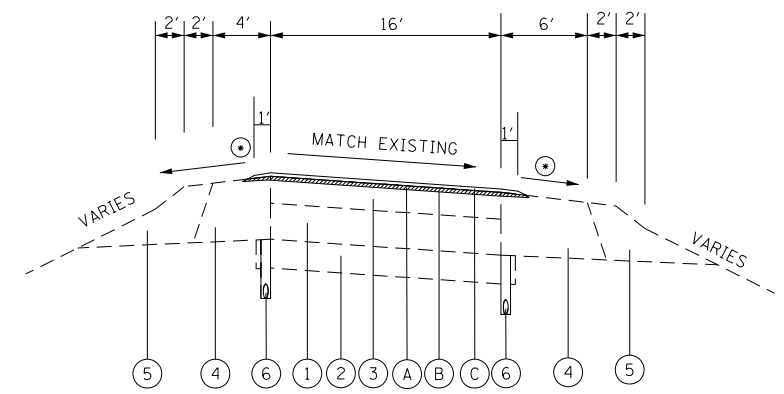
⊙ MATCH EXISTING



**RAMP TYPICAL SECTION**  
IL-157 INTERCHANGE



**RAMP TERMINAL TYPICAL SECTION**  
IL-159 INTERCHANGE



**RAMP TYPICAL SECTION**  
IL-159 INTERCHANGE

FILE NAME =	USER NAME = simam	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	7
			CONTRACT NO. 76L69	
ILLINOIS FED. AID PROJECT				

EASTBOUND PARTIAL DEPTH PATCHING										
STATION	LANE	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL, 2"				LONGITUDINAL PARTIAL DEPTH REMOVAL, 2"	LONGITUDINAL PARTIAL DEPTH PATCHING	PARTIAL DEPTH PATCHING
				TYPE I	TYPE II	TYPE III	TYPE IV			
		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	TON	TON
394+50	1	4	12							0.60
415+20	5 (E OF I-255)	2	12	2.7						0.40
428+70	1	4	12	5.3						0.60
428+70	2	4	12	5.3						0.60
428+70	3	4	12	5.3						0.60
430+80	1	4	12	5.3						0.60
430+80	2	4	12	5.3						0.60
430+80	3	4	12	5.3						0.60
434+70	1	4	12	5.3						0.60
434+70	2	4	12	5.3						0.60
467+70	2	2	12	2.7						0.40
467+70	3	2	12	2.7						0.40
470+95	RAMP	40	16			71.1				8.00
473+95	RAMP	4	6	2.7						0.40
488+15	1	4	12	5.3						0.60
495+20	2	4	12	5.3						0.60
W Approach to IL-157	1	50	12			66.7				7.60
W Approach to IL-157	2	50	12			66.7				7.60
W Approach to IL-157	3	50	12			66.7				7.60
E Approach to IL-157	1	50	12			66.7				7.60
E Approach to IL-157	2	50	12			66.7				7.60
E Approach to IL-157	3	50	12			66.7				7.60
524+50	2	2	12	2.7						0.40
535+20	2	2	12	2.7						0.40
535+30	2	2	12	2.7						0.40
541+05	2	10	12			13.3				1.60
541+05	2	10	12			13.3				1.60
543+50	2	15	12			20.0				2.40
543+80	2	4	12	5.3						0.60
578+40	2	2	12	2.7						0.40
622+60	2	12	12			16.0				1.80
700+70	CL	40	2			8.9				1.00
701+10	1	2	12	2.7						0.40
701+10	2	2	12	2.7						0.40
				0.0						
RAMP-IL-157				0.0						
S W OF IL-157 (LOOP)	8	15			13.3					1.60
				0.0						
RAMP- IL-159				0.0						
N W OF IL-159(LOOP)	4	10			4.4					0.60
				0.0						
SUB-TOTAL				95.1	84.9	471.1	0.0	0.0	0.0	75.40
ANTICIPATED FAILURES (10%)				9.5	8.5	47.1	0.0	0.0	0.0	7.54
EB SUB-TOTAL				105	93	518	0	0	0	83

WESTBOUND PARTIAL DEPTH PATCHING										
STATION	LANE	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL, 2"				LONGITUDINAL PARTIAL DEPTH REMOVAL, 2"	LONGITUDINAL PARTIAL DEPTH PATCHING	PARTIAL DEPTH PATCHING
				TYPE I	TYPE II	TYPE III	TYPE IV			
		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	TON	TON
375+32	2	80	12							12.00
386+32	3	2	12	2.7						0.40
388+52	2	2	12	2.7						0.40
395+32	3	2	12	2.7						0.40
395+42	2	2	12	2.7						0.40
395+42	2	2	12	2.7						0.40
395+42	3	2	12	2.7						0.40
398+22	3	8	12			10.7				1.20
402+22	2	2	12	2.7						0.40
402+22	3	2	12	2.7						0.40
403+22	2	2	12	2.7						0.40
403+22	3	2	12	2.7						0.40
406+12	3	8	12			10.7				1.20
406+12	2	2	12	2.7						0.40
406+12	4	2	12	2.7						0.40
406+72	2	2	12	2.7						0.40
408+12	2	2	12	2.7						0.40
408+12	3	2	12	2.7						0.40
409+02	3	2	12	2.7						0.40
410+02	1	2	12	2.7						0.40
410+02	2	2	12	2.7						0.40
410+02	3	2	12	2.7						0.40
410+02	4	2	12	2.7						0.40
411+92	3	2	12	2.7						0.40
415+92	2	2	12	2.7						0.40
415+92	3	2	12	2.7						0.40
418+82	3	2	12	2.7						0.40
419+92	3	2	12	2.7						0.40
421+62	2	2	12	2.7						0.40
421+72	RAMP-1	4	10	4.4						0.60
421+72	RAMP-2	4	10	4.4						0.60
426+42	RAMP-2	4	4	1.8						0.20
427+82	RAMP-2	20	12			26.7				3.00
427+82	2	2	12	2.7						0.40
428+12	2 RAMP	4	12	5.3						0.60
428+37	RAMP-1	20	12			26.7				3.00
428+37	RAMP-2	20	12			26.7				3.00
429+12	CL RAMP	50	2			11.1		50.00	1.30	
429+12	CL RAMP	2	12	2.7						0.40
430+52	2	2	12	2.7						0.40
431+52	2	2	12	2.7						0.40
432+02	2	2	12	2.7						0.40
448+42	1	2	12	2.7						0.40
448+42	2	2	12	2.7						0.40
448+42	3	2	12	2.7						0.40
452+72	2	2	12	2.7						0.40
454+52	1	2	12	2.7						0.40
455+52	2	2	12	2.7						0.40
455+52	3	2	12	2.7						0.40
456+52	2	2	12	2.7						0.40
457+52	2	2	12	2.7						0.40
460+52	2	2	12	2.7						0.40
462+17	1	2	12	2.7						0.40
462+32	2	2	12	2.7						0.40
467+02	2	2	12	2.7						0.40
467+12	2	2	12	2.7						0.40
472+52	RAMP	2	6	1.3						0.20
472+72	RAMP-1	20	2	4.4				20.00	0.50	
473+02	RAMP	2	12	2.7						0.40
473+12	RAMP	2	12	2.7						0.40
474+42	2	2	12	2.7						0.40
490+42	2	2	12	2.7						0.40
490+52	2	10	12			13.3				1.60
491+62	2	2	12	2.7						0.40
494+42	2	2	12	2.7						0.40
497+42	1	2	12	2.7						0.40
498+42	1	2	12	2.7						0.40
498+42	2	2	12	2.7						0.40
506+42	1	2	12	2.7						0.40
507+32	1	4	12	5.3						0.60
619+54	2	4	12	5.3						0.60
621+42	1	4	12	5.3						0.60
621+42	2	4	12	5.3						0.60
623+57	RAMP	10	6	6.7						0.80
623+76	RAMP	15	6			10.0				1.20
693+32	1	2	12	2.7						0.40
700+72	1	4	12	5.3						0.60
700+73	2	4	12	5.3						0.60
700+72	2	4	12	5.3						0.60
701+22	1	2	12	2.7						0.40
701+32	2	60	12			80.0				9.00
701+32	1	2	12	2.7						0.40
SUB-TOTAL				220.4	135.8	80.0	106.7	70.00	1.80	65.60
ANTICIPATED FAILURES (10%)				22.0	13.6	8.0	10.7	7.00	0.18	6.56
WB SUB-TOTAL				242	149	88	117	77	1.98	72

<b>GRAND TOTAL</b>	<b>347</b>	<b>243</b>	<b>606</b>	<b>117</b>	<b>77</b>	<b>1.98</b>	<b>155</b>
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NOTE: ALL LANE NUMBERS ARE FROM LEFT TO RIGHT IN DIRECTION OF TRAVEL.

FIBER-MODIFIED ASPHALT CRACK SEALING SCHEDULE				
STA.	TO	STA.	DIRECTION	FIBER-MODIFIED ASPHALT CRACK SEALING
				FOOT
372+30	TO	723+42	WB	70435
372+30	TO	723+42	EB	70435
<b>TOTAL</b>				<b>140869</b>

LOCATION		WIDTH	LENGTH	HOT-MIX ASPHALT SURFACE CORRECTION	MICRO-SURFACING -2 PASS		
					BITUMINOUS MATERIALS TACK COAT	MICRO-SURFACING, 2 PASSES, MIX "E"	
EASTBOUND		FOOT	FOOT	SQ YD	POUND	SQ YD	
STA.	TO	STA.					
372+30	TO	377+00	38	470	1984.4	446.5	1984.4
377+00	TO	379+88	BRIDGE OMISSION				
379+88	TO	389+30	38	942	3977.3	894.9	3977.3
389+30	TO	391+61	44	231	1129.3	254.1	1129.3
391+61	TO	399+27	38	766	3234.2	727.7	3234.2
399+27	TO	399+63	44	36	176.0	39.6	176.0
399+63	TO	409+27	50	964	5355.6	1205.0	5355.6
409+27	TO	413+30	56	403	2507.6	564.2	2507.6
413+30	TO	418+40	68	510	3853.3	867.0	3853.3
418+40	TO	450+50	38	3210	13553.3	3049.5	13553.3
450+50	TO	458+00	44	750	3666.7	825.0	3666.7
458+00	TO	478+23	38	2023	8541.6	1921.9	8541.6
478+23	TO	485+20	44	697	3407.6	766.7	3407.6
485+20	TO	502+70	38	1750	7388.9	1662.5	7388.9
502+70	TO	507+84	26	514	1484.9	334.1	1484.9
507+84	TO	512+04	38	420	1773.3	399.0	1773.3
512+04	TO	515+22	BRIDGE OMISSION				
515+22	TO	526+57	38	1135	4792.2	1078.3	4792.2
526+57	TO	527+90	32	133	472.9	106.4	472.9
527+90	TO	543+41	26	1551	4480.7	1008.2	4480.7
543+41	TO	546+00	BRIDGE OMISSION				
546+00	TO	624+31	26	7831	22622.9	5090.2	22622.9
624+31	TO	626+35	BRIDGE OMISSION				
626+35	TO	688+55	26	6220	17968.9	4043.0	17968.9
688+55	TO	692+50	26	395	1141.1	256.8	1141.1
692+50	TO	700+26	26	776	2241.8	504.4	2241.8
700+26	TO	704+35	38	409	1726.9	388.6	1726.9
704+35	TO	723+42	26	1907	5509.1	1239.6	5509.1
<b>SUB-TOTAL</b>					<b>122990.4</b>	<b>27672.9</b>	<b>122990.4</b>

QUANTITY OF CONCRETE PAVEMENT OMISSION							
LOCATION		WIDTH	LENGTH	HOT-MIX ASPHALT SURFACE CORRECTION	MICRO-SURFACING -2 PASS		
					BITUMINOUS MATERIALS TACK COAT	MICRO-SURFACING, 2 PASSES, MIX "E"	
STA.	TO	STA.	FOOT	FOOT	SQ YD	POUND	SQ YD
<b>EASTBOUND CONCRETE PAVEMENT OMISSION</b>							
399+97	TO	401+77	12	180	240.0	54.0	240.0
413+90	TO	418+30	36	440	1760.0	396.0	1760.0
415+16	TO	417+55	24	239	637.3	143.4	637.3
698+30	TO	704+14	12	584	778.7	175.2	778.7
<b>WESTBOUND CONCRETE PAVEMENT OMISSION</b>							
686+66	TO	689+65	16	299	531.6	119.6	531.6
699+41	TO	706+02	12	661	881.3	198.3	881.3
<b>CONCRETE PAVEMENT OMISSION QUANTITY</b>					<b>4828.9</b>	<b>1086.5</b>	<b>4828.9</b>

<b>GRAND TOTAL - CONCRETE PAVEMENT OMISSION QUANTITY</b>	<b>280206</b>	<b>63046</b>	<b>280206</b>
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LOCATION		WIDTH	LENGTH	HOT-MIX ASPHALT SURFACE CORRECTION	MICRO-SURFACING -2 PASS		
					BITUMINOUS MATERIALS TACK COAT	MICRO-SURFACING, 2 PASSES, MIX "E"	
WESTBOUND		FOOT	FOOT	SQ YD	POUND	SQ YD	
STA.	TO	STA.					
372+30	TO	375+16	38	286	1207.6	271.7	1207.6
375+16	TO	378+05	BRIDGE OMISSION				
378+05	TO	380+71	38	266	1123.1	252.7	1123.1
380+71	TO	385+35	38	464	1959.1	440.8	1959.1
385+35	TO	401+47	38	1612	6806.2	1531.4	6806.2
401+47	TO	405+35	44	388	1896.9	426.8	1896.9
405+35	TO	423+50	50	1815	10083.3	2268.8	10083.3
423+50	TO	425+65	56	215	1337.8	301.0	1337.8
425+65	TO	433+35	68	770	5817.8	1309.0	5817.8
433+35	TO	448+45	38	1510	6375.6	1434.5	6375.6
448+45	TO	453+67	44	522	2552.0	574.2	2552.0
453+67	TO	457+69	50	402	2233.3	502.5	2233.3
457+69	TO	459+45	56	176	1095.1	246.4	1095.1
459+45	TO	475+22	38	1577	6658.4	1498.2	6658.4
475+22	TO	481+01	44	579	2830.7	636.9	2830.7
481+01	TO	484+00	32	299	1063.1	239.2	1063.1
484+00	TO	495+85	38	1185	5003.3	1125.8	5003.3
495+85	TO	511+58	26	1573	4544.2	1022.5	4544.2
511+58	TO	513+07	38	149	629.1	141.6	629.1
513+07	TO	516+25	BRIDGE OMISSION				
516+25	TO	542+72	26	2647	7646.9	1720.6	7646.9
542+72	TO	545+31	BRIDGE OMISSION				
545+31	TO	608+30	26	6299	18197.1	4094.4	18197.1
608+30	TO	616+28	26	798	2305.3	518.7	2305.3
616+28	TO	624+31	32	803	2855.1	642.4	2855.1
624+31	TO	626+35	BRIDGE OMISSION				
626+35	TO	654+52	26	2817	8138.0	1831.1	8138.0
654+52	TO	657+97	32	345	1226.7	276.0	1226.7
657+97	TO	676+89	26	1892	5465.8	1229.8	5465.8
676+89	TO	683+82	32	693	2464.0	554.4	2464.0
683+82	TO	687+62	32	380	1351.1	304.0	1351.1
687+62	TO	694+58	26	696	2010.7	452.4	2010.7
694+58	TO	698+72	38	414	1748.0	393.3	1748.0
698+72	TO	705+42	26	670	1935.6	435.5	1935.6
705+42	TO	708+87	38	345	1456.7	327.8	1456.7
708+87	TO	723+42	32	1455	5173.3	1164.0	5173.3
<b>RAMP IL-157</b>							
N W OF IL-157 (LOOP)			19	2130	4496.7	1011.8	4496.7
N W OF IL-157			19	2642	5577.6	1255.0	5577.6
S W OF IL-157 (LOOP)			20	525	1166.7	262.5	1166.7
S W OF IL-157			42	540	2520.0	567.0	2520.0
<b>RAMP IL-159</b>							
N W OF IL-159 (LOOP)			19	1167	2463.7	554.3	2463.7
N W OF IL-159			27	1836	5508.0	1239.3	5508.0
N E OF IL-159 (LOOP)			19	688	1452.4	326.8	1452.4
N E OF IL-159			19	821	1733.2	390.0	1733.2
S W OF IL-159 (LOOP)			19	683	1441.9	324.4	1441.9
S W OF IL-159			19	1007	2125.9	478.3	2125.9
S E OF IL-159 (LOOP)			19	1150	2427.8	546.3	2427.8
S E OF IL-159			27	1980	5940.0	1336.5	5940.0
<b>SUB-TOTAL</b>					<b>162044.7</b>	<b>36460.1</b>	<b>162044.7</b>

<b>GRAND TOTAL</b>	<b>285035</b>	<b>64133</b>	<b>285035</b>
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FILE NAME =	USER NAME =	DESIGNED -	REVISED -
pw:\planroom.dot\illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\0876L69\DRAWING\CAD\Sheets\0876L69-sht-plan.dgn	freimuthd		
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET 2 OF 3 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	9
			CONTRACT NO. 76L69	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE																		
LOCATION	NO. OF LANE	LENGTH	WIDTH	THERMOPLASTIC PAVEMENT MARKING - LINE		THERMOPLASTIC PAVEMENT MARKING -		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING -	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTOR PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER			
				TEMPORARY PAVEMENT MARKING - LINE 4"		TEMPORARY PAVEMENT MARKING - LINE 6"		TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS								
				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT						SQ FT	FOOT	SQ FT
				SOLID WHITE	YELLOW	SOLID WHITE	YELLOW	SKIP DASH WHITE	SOLID /SKIP DASH WHITE									
EASTBOUND																		
372+30	TO	377+00	3	470	36			470	470	235				588	132	44	24	24
377+00	TO	379+88	BRIDGE OMISSION															
379+88	TO	395+02	3	1514	36			1514	1514	757				1945	424	141	76	76
395+02	TO	409+39	4	1437	48			1437	1437	1078				2493	546	182	108	108
409+39	TO	418+39	5	900	60			900	900	900				1350	432	144	148	148
418+39	TO	502+66	3	8427	36			8427	8427	4214				12350	2360	787	421	421
502+66	TO	507+80	2	514	24			514	514	129				578	93	31	13	13
507+80	TO	512+04	3	424	36			424	424	212				530	119	40	21	21
512+04	TO	515+22	BRIDGE OMISSION															
515+22	TO	523+97	3	875	36			875	875	438				1094	245	82	44	44
523+97	TO	543+41	2	1944	24			1944	1944	486				2187	350	117	49	49
543+41	TO	546+00	BRIDGE OMISSION															
546+00	TO	624+31	2	7831	24			7831	7831	1958				8810	1410	470	196	196
624+31	TO	626+35	BRIDGE OMISSION															
626+35	TO	723+42	2	9707	24			9707	9707	2427				10937	1747	582	243	243
WESTBOUND																		
372+30	TO	375+16	3	286	36			286	286	143				358	80	27	14	14
375+16	TO	378+05	BRIDGE OMISSION															
378+05	TO	401+50	3	2345	36			2345	2345	1173				2931	657	219	117	117
401+50	TO	428+23	4	2673	48			2673	2673	2005				3675	1016	339	200	200
428+23	TO	430+93	5	270	36			270	270	270			1000	1072	130	43	27	27
430+93	TO	495+93	3	6500	48			6500	6500	3250				8125	1820	607	325	325
495+93	TO	511+61	2	1568	60			1568	1568	392				1764	282	94	39	39
511+61	TO	513+07	3	146	36			146	146	73				183	41	14	7	7
513+07	TO	516+25	BRIDGE OMISSION															
516+25	TO	542+72	2	2647	24			2647	2647	662				2978	476	159	66	66
542+72	TO	545+31	BRIDGE OMISSION															
545+31	TO	624+31	2	7900	24			7900	7900	1975				8888	1422	474	198	198
624+31	TO	626+35	BRIDGE OMISSION															
626+35	TO	700+65	2	7430	36			7430	7430	1858				8359	1337	446	186	186
700+65	TO	704+81	3	416	24			416	416	208				520	116	39	21	21
704+81	TO	723+42	2	1861	36			1861	1861	465				2110	335	112	47	47
RAMP IL-157 AND IL-159 ON BOTH SIDES																		
RAMP IL-157																		
N W OF IL-157 (LOOP)		1	2130	17	2130	2130	2130	2130	2130					3550	170	57	28	28
N W OF IL-157		1	2642	17	2642	2642	2642	2642	2642					4403	211	70		
S W OF IL-157 (LOOP)		1	525	18	525	525	525	525	525					875	42	14		
S W OF IL-157		3	540	40	540	540	540	540	540					1067	151	50	18	18
RAMP IL-159																		
N W OF IL-159 (LOOP)		1	1167	17	1167	1167	1167	1167	1167					3024	93	31		
N W OF IL-159		VAR. 1 TO 2	1836	25	1836	1836	1836	1836	1836					3060	0	0	10	10
N E OF IL-159 (LOOP)		1	688	17	688	688	688	688	688					1822	55	18		
N E OF IL-159		1	821	17	821	821	821	821	821					1368	66	22	22	22
S W OF IL-159 (LOOP)		1	683	17	683	683	683	683	683					1901	55	18		
S W OF IL-159		1	1007	17	1007	1007	1007	1007	1007					1678	81	27	22	22
S E OF IL-159 (LOOP)		1	1150	17	1150	1150	1150	1150	1150					2250	92	31	10	10
S E OF IL-159		VAR. 1 TO 2	1980	25	1980	1980	1980	1980	1980					3300				
SUB-TOTAL				15169	15169	83254	83254	25305	8905	167	112289	16585	5695	2698	2698			
TOTAL				30338	30338	191813	191813	8905	167	112289	16585	5695	2698	2698				

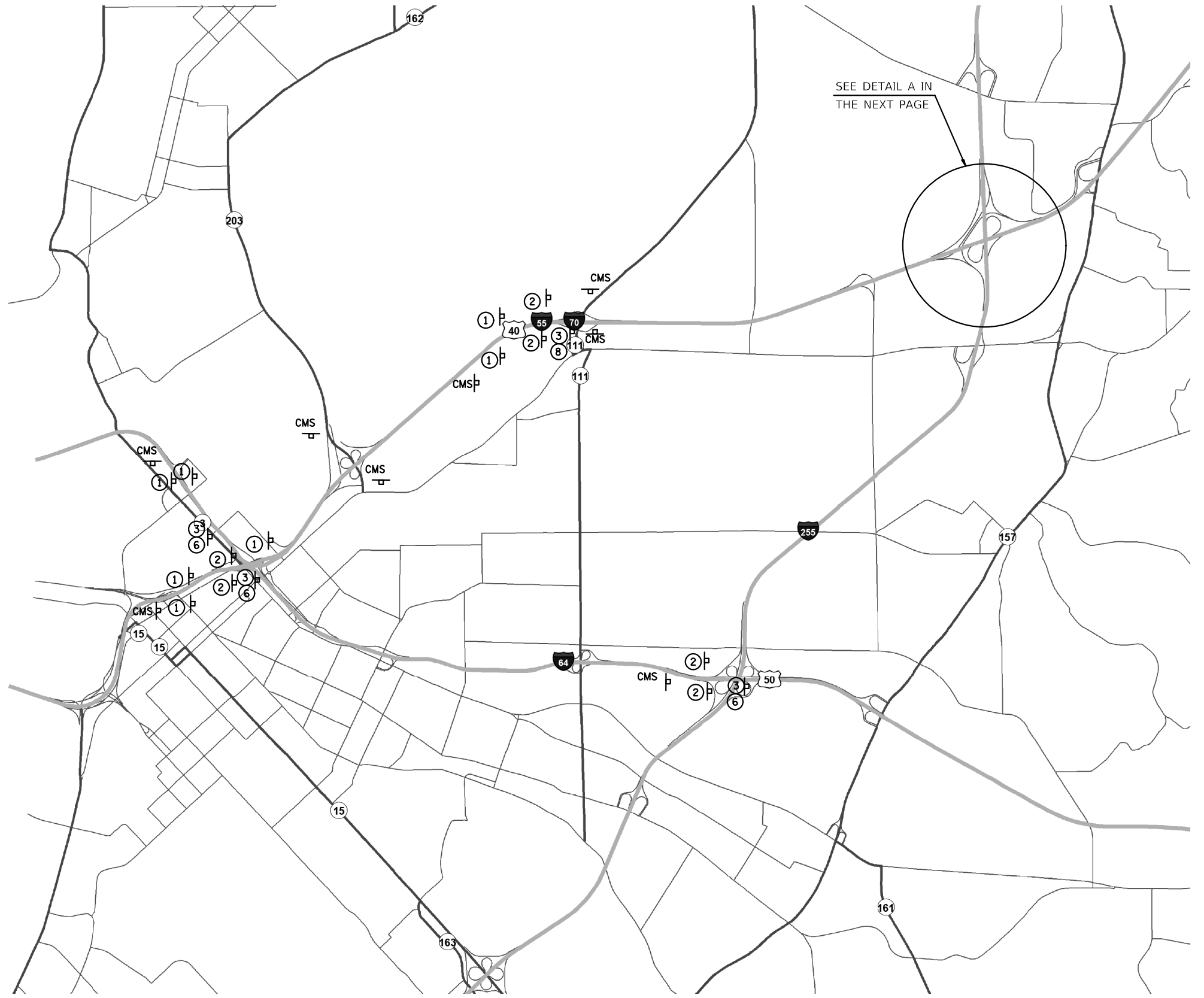


NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



SIGNS REQUIRED  
TO BE FURNISHED BY CONTRACTOR

<p>① ROAD CLOSED AHEAD</p> <p>② DETOUR AHEAD</p> <p>③ DETOUR EAST 55 70</p> <p>④ DETOUR WEST 55 70</p>	<p>⑤ ↑</p> <p>⑥ ↗</p> <p>⑦ ↘</p> <p>⑧ ←</p> <p>⑨ →</p>
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FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTES (EASTBOUND CLOSURE)**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	12
CONTRACT NO. 76L69				
ILLINOIS FED. AID PROJECT				

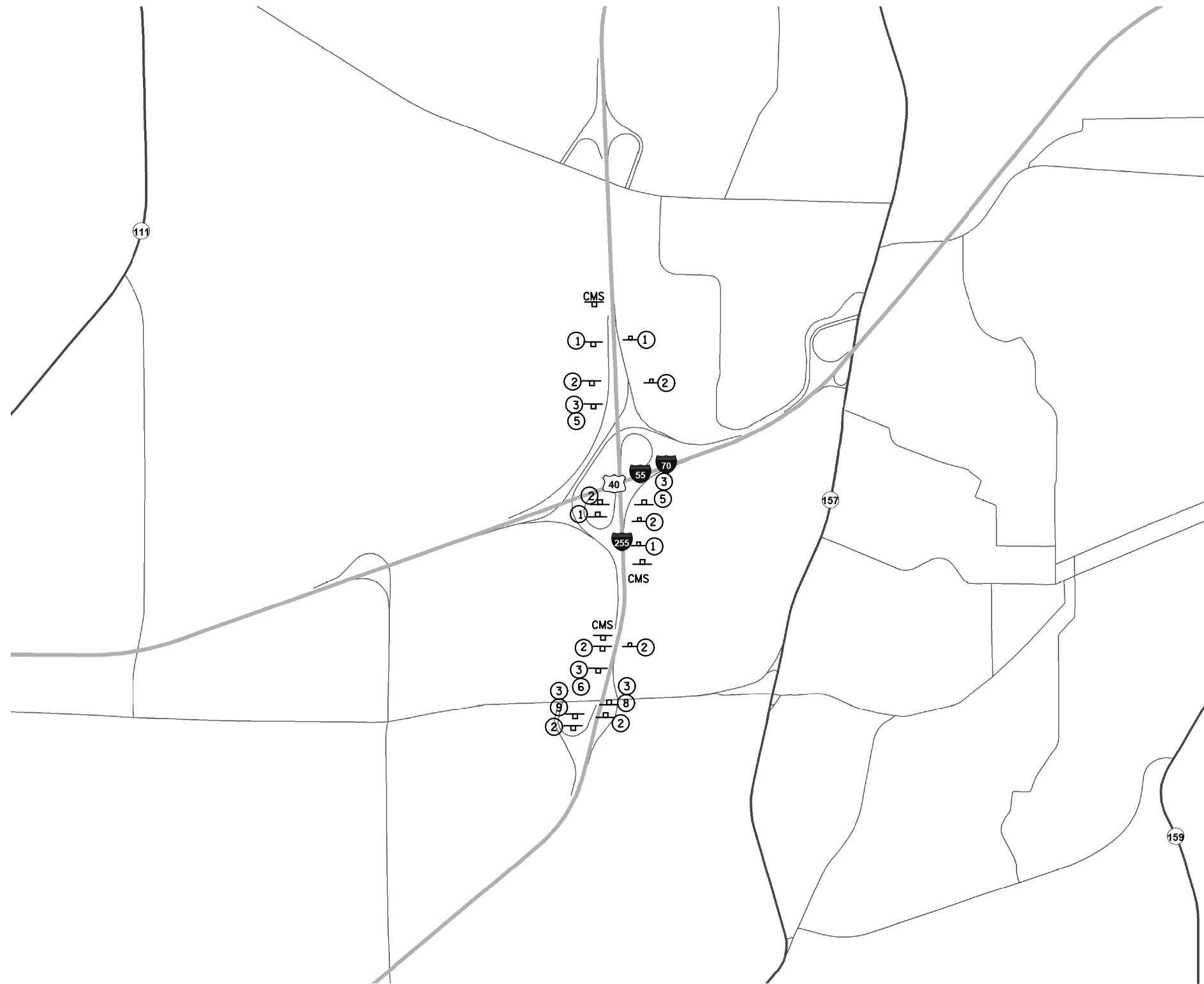


NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



**DETAIL A**

SIGNS REQUIRED  
TO BE FURNISHED BY CONTRACTOR

①	ROAD CLOSED AHEAD	⑤	↑
②	DETOUR AHEAD	⑥	↗
③	DETOUR EAST 	⑦	↙
④	DETOUR WEST 	⑧	←
		⑨	→

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTES (EASTBOUND CLOSURE)**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

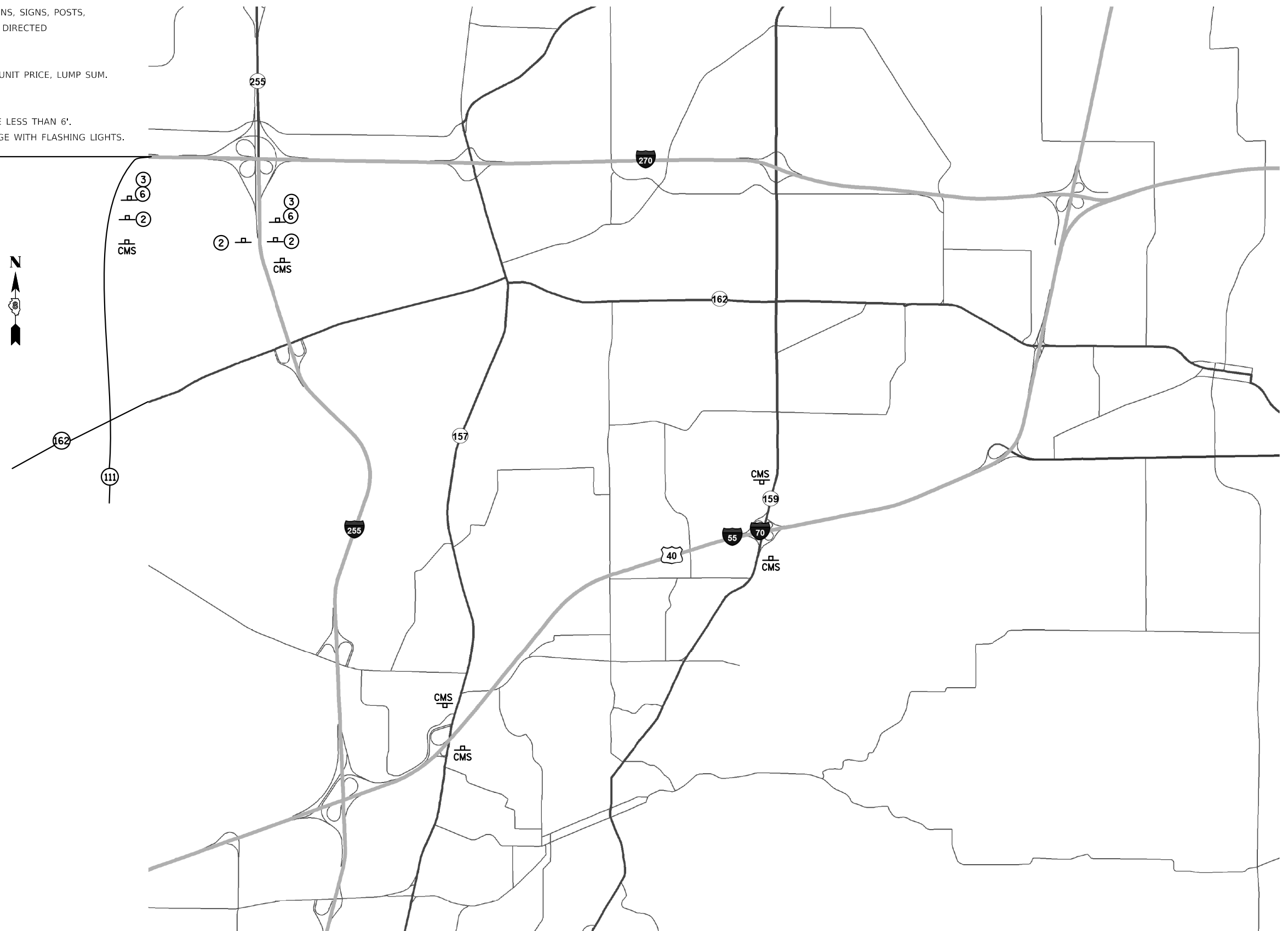
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	13
				CONTRACT NO. 76L69
ILLINOIS FED. AID PROJECT				

NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



SIGNS REQUIRED TO BE FURNISHED BY CONTRACTOR

- ① ROAD CLOSED AHEAD
- ② DETOUR AHEAD
- ③ DETOUR EAST
- ④ DETOUR WEST
- ⑤
- ⑥
- ⑦
- ⑧
- ⑨

FILE NAME =	USER NAME = simm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTES (EASTBOUND CLOSURE)

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

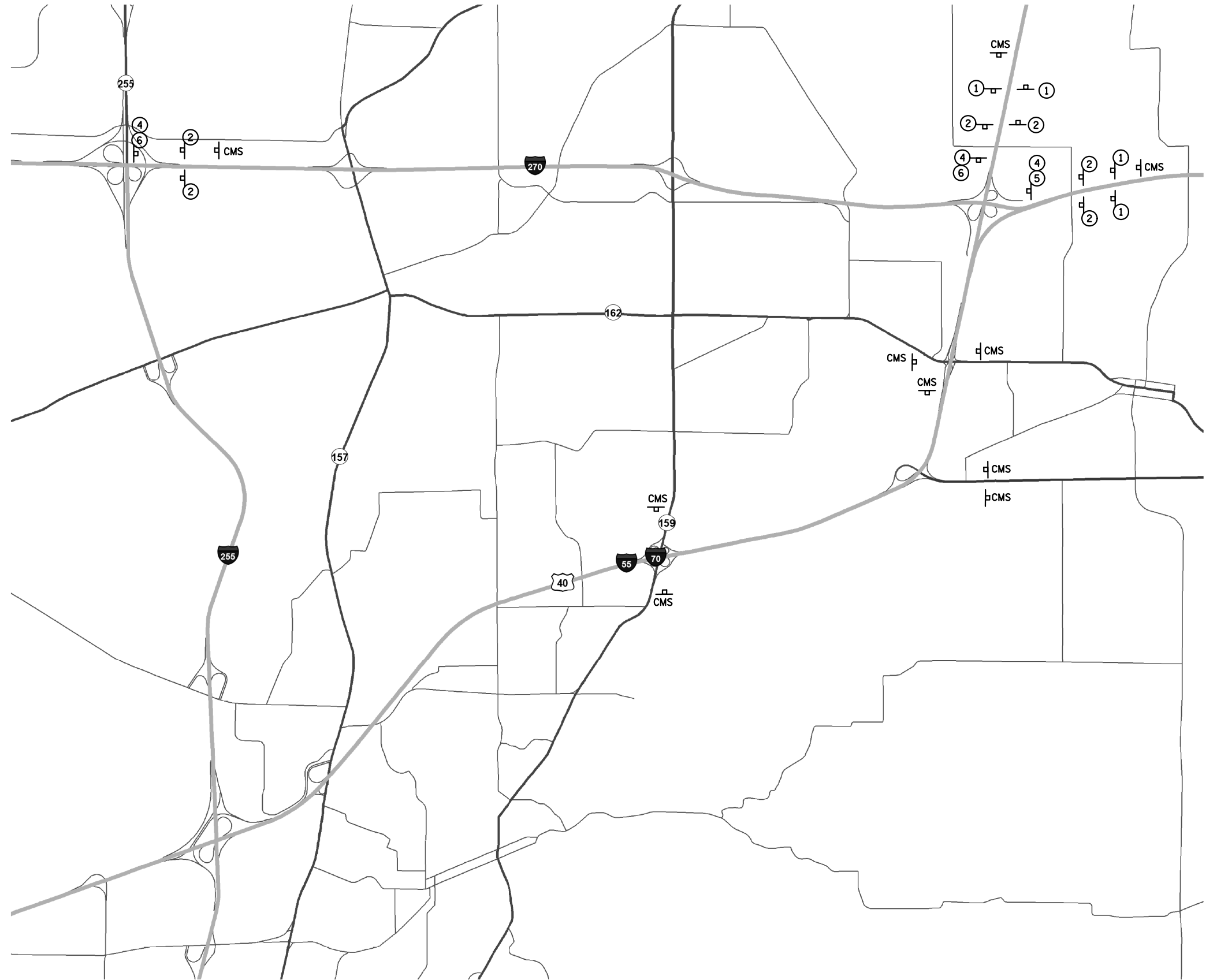
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70	60-(6,7,8,9)RS-1	MADISON	21	14
				CONTRACT NO. 76L69
ILLINOIS FED. AID PROJECT				

NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



SIGNS REQUIRED TO BE FURNISHED BY CONTRACTOR

- ① ROAD CLOSED AHEAD
- ② DETOUR AHEAD
- ③ DETOUR EAST  
55 70
- ④ DETOUR WEST  
55 70
- ⑤ ↑
- ⑥ ↗
- ⑦ ↘
- ⑧ ←
- ⑨ →

FILE NAME =	USER NAME = simon	DESIGNED -	REVISED -
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	PLOT DATE = 3/21/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTES (WESTBOUND CLOSURE)

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

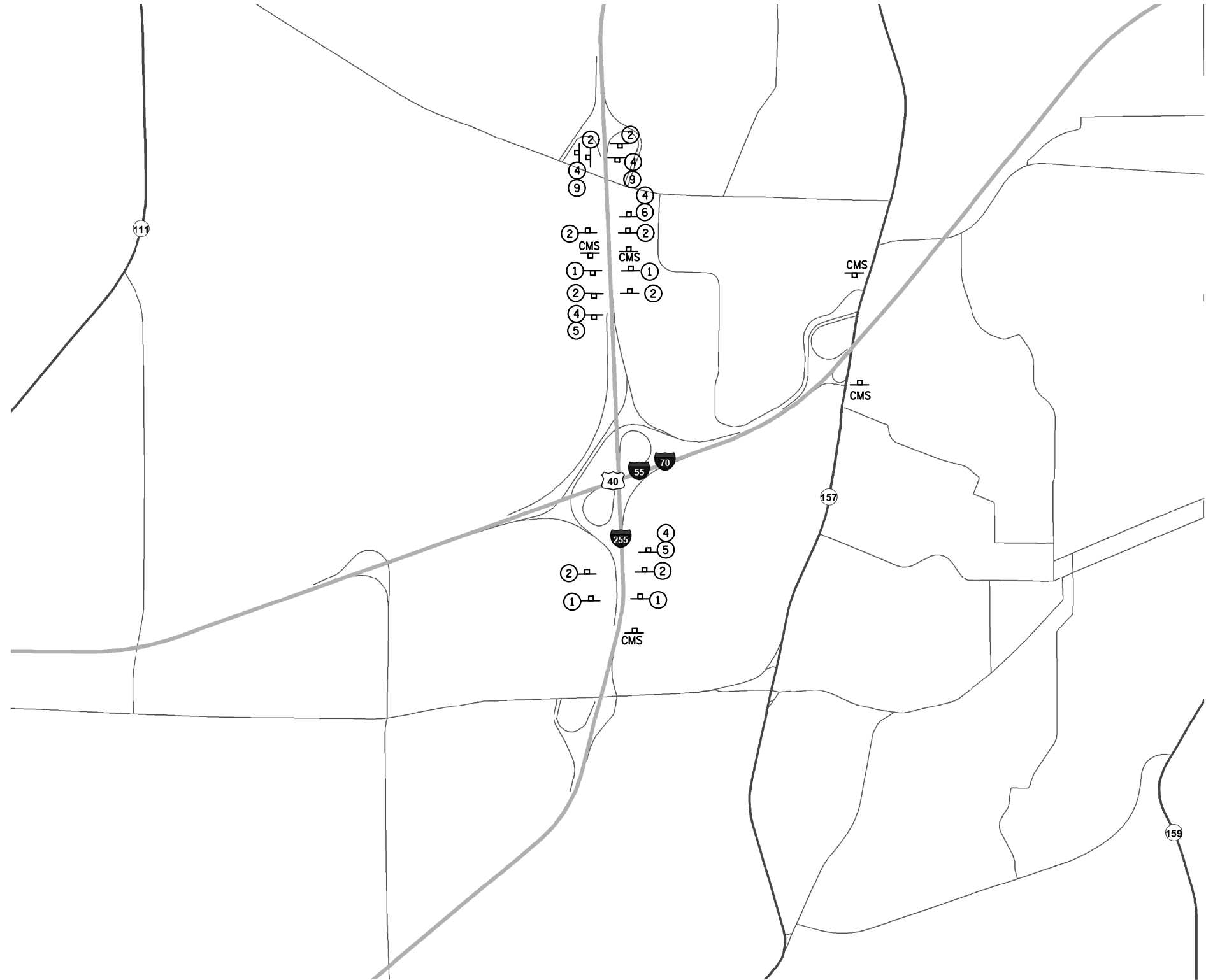
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	15
			CONTRACT NO. 76L69	
ILLINOIS FED. AID PROJECT				

NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM. FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



**DETAIL B**

SIGNS REQUIRED  
TO BE FURNISHED BY CONTRACTOR

<p>① ROAD CLOSED AHEAD</p> <p>② DETOUR AHEAD</p> <p>③ DETOUR EAST 55 70</p> <p>④ DETOUR WEST 55 70</p>	<p>⑤ ↑</p> <p>⑥ ↗</p> <p>⑦ ↘</p> <p>⑧ ←</p> <p>⑨ →</p>
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FILE NAME =	USER NAME = simon	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR ROUTES (WESTBOUND CLOSURE)**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

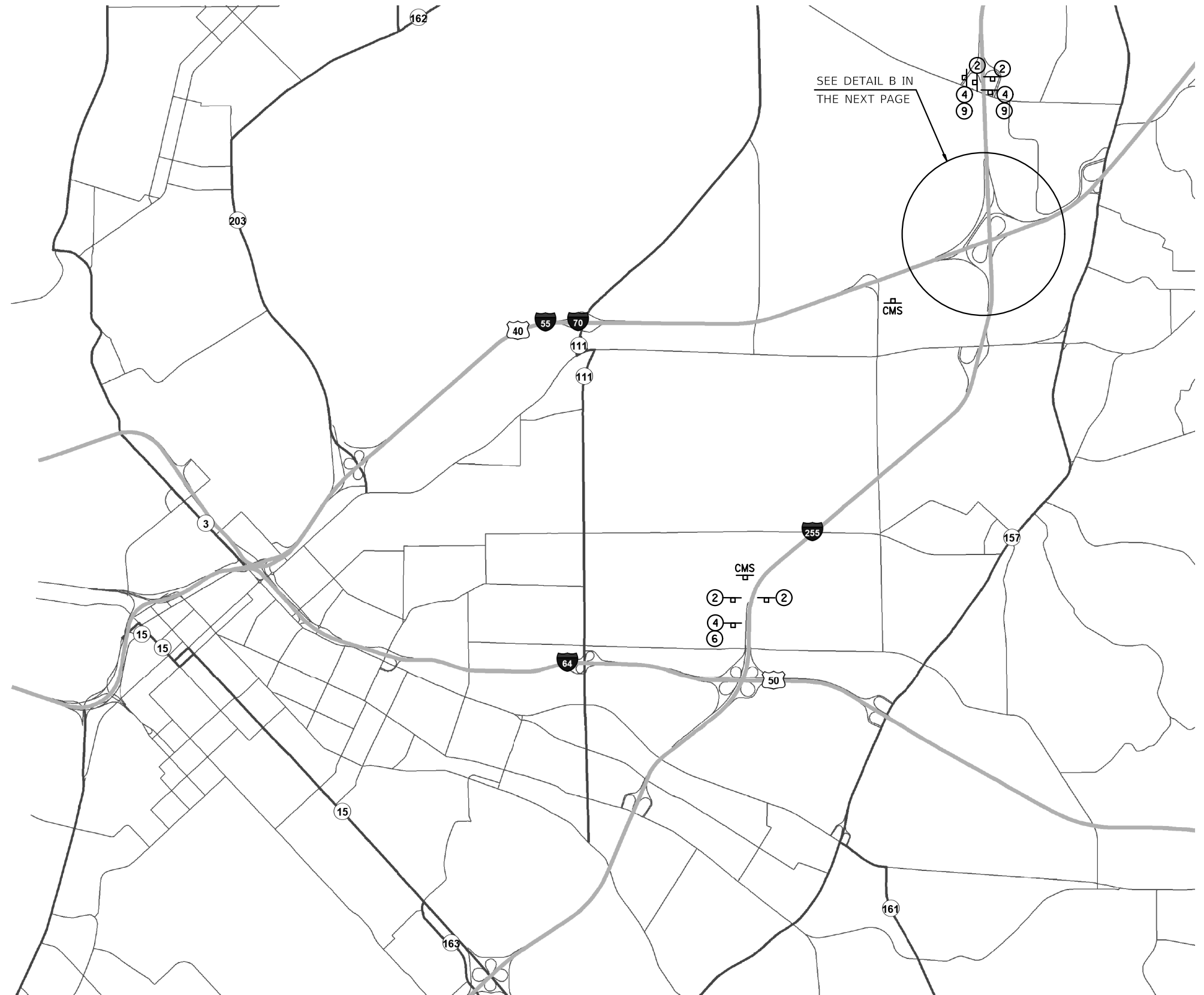
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	16
CONTRACT NO. 76L69				
ILLINOIS FED. AID PROJECT				

NOTES:

THE CONTRACTOR SHALL FURNISH THE CHANGEABLE MESSAGE SIGNS, SIGNS, POSTS, AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET, AS DIRECTED BY THE ENGINEER.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, LUMP SUM, FOR DETOUR SIGNING.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'. ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.



SIGNS REQUIRED TO BE FURNISHED BY CONTRACTOR

- ① ROAD CLOSED AHEAD
- ② DETOUR AHEAD
- ③ DETOUR EAST  
55 TO
- ④ DETOUR WEST  
55 TO
- ⑤ ↑
- ⑥ ↗
- ⑦ ↘
- ⑧ ←
- ⑨ →

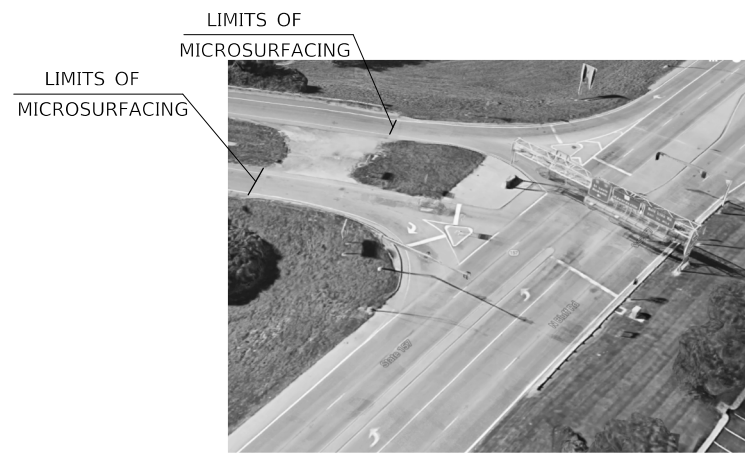
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

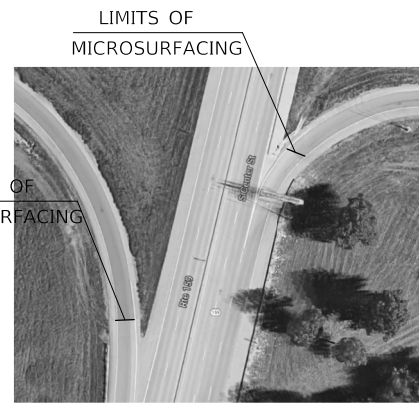
DETOUR ROUTES (WESTBOUND CLOSURE)

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

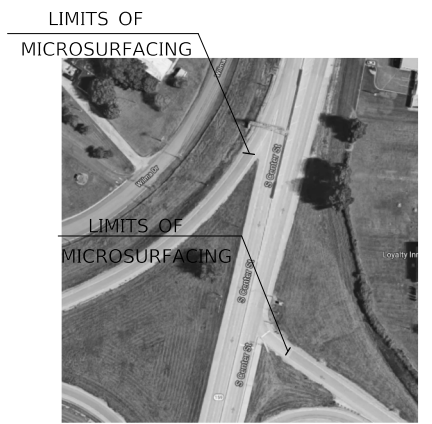
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	17
			CONTRACT NO. 76L69	
ILLINOIS FED. AID PROJECT				



DETAIL A



DETAIL D



DETAIL C

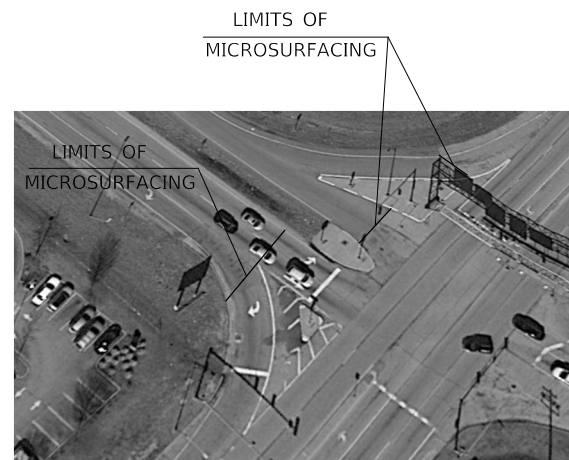


SEE DETAIL A & B

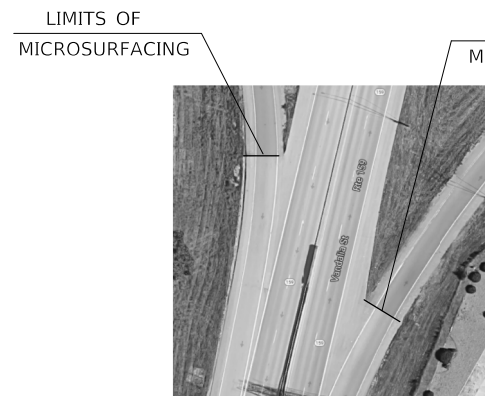


SEE DETAIL C & D

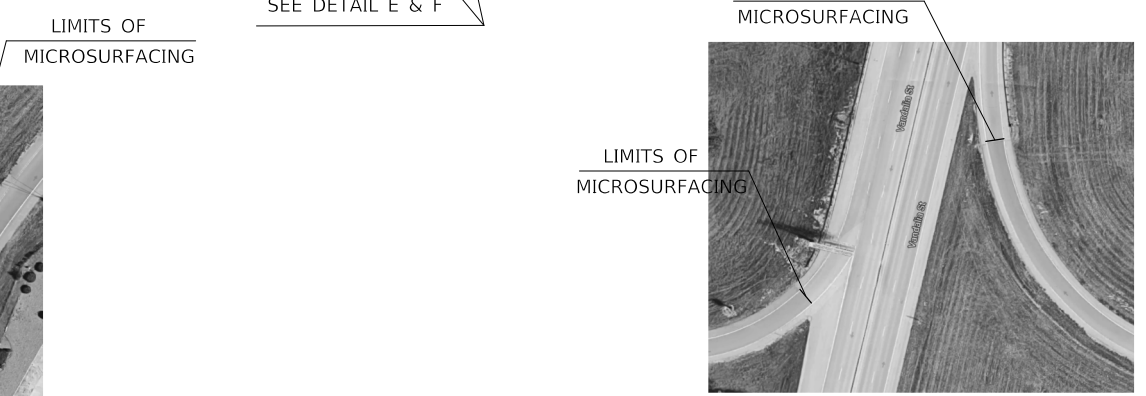
SEE DETAIL E & F



DETAIL B



DETAIL F



DETAIL E

FILE NAME =	USER NAME = simom	DESIGNED -	REVISED -
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Default	PLOT DATE = 3/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAMP LIMITS OF MICROSURFACING**

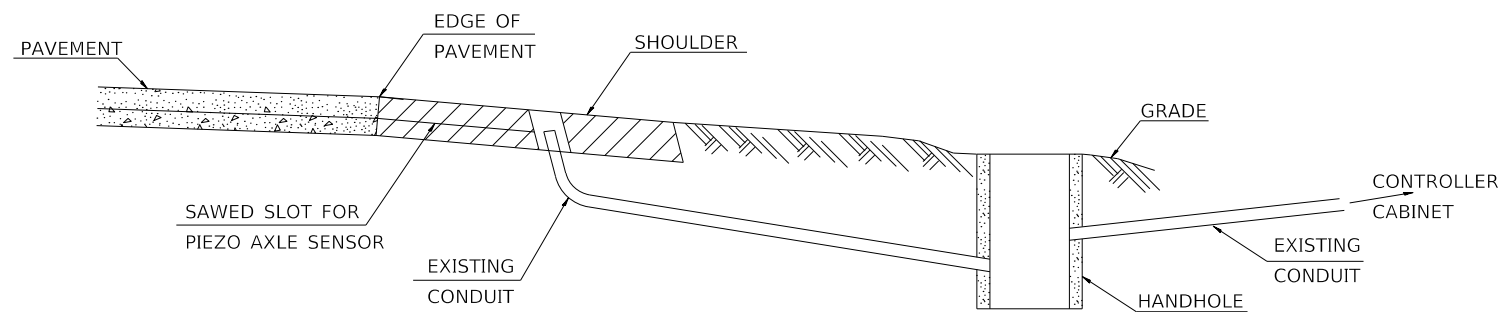
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-(6,7,8,9)RS-1	MADISON	21	18
CONTRACT NO. 76L69			ILLINOIS FED. AID PROJECT	

PIEZO AXLE SENSORS DETECTOR LOOP SCHEDULE			
STATION	DIRECTION	NO. OF LOOP	DETECTOR LOOP, TYPE I FOOT
539+32	EB	LOOP #1	41
	EB	LOOP #2	41
	EB	LOOP #3	53
	EB	LOOP #4	53
	EB	LOOP #5	41
394+71	WB	LOOP #6	41
	WB	LOOP #8	41
	WB	LOOP #9	53
	WB	LOOP #10	53
	WB	LOOP #11	63
	WB	LOOP #12	63
SUB-TOTAL			584

TRAFFIC COUNTER SCHEDULE*		
ITEM	UNIT	QUANTITY
PIEZO ELECTRIC AXLE SENSOR, CLASS II	FOOT	69
GRAND TOTAL		69

\*SEE SPECIAL PROVISIONS FOR: PIEZO INSTALLATION INSTRUCTIONS AND DETECTOR LOOP.

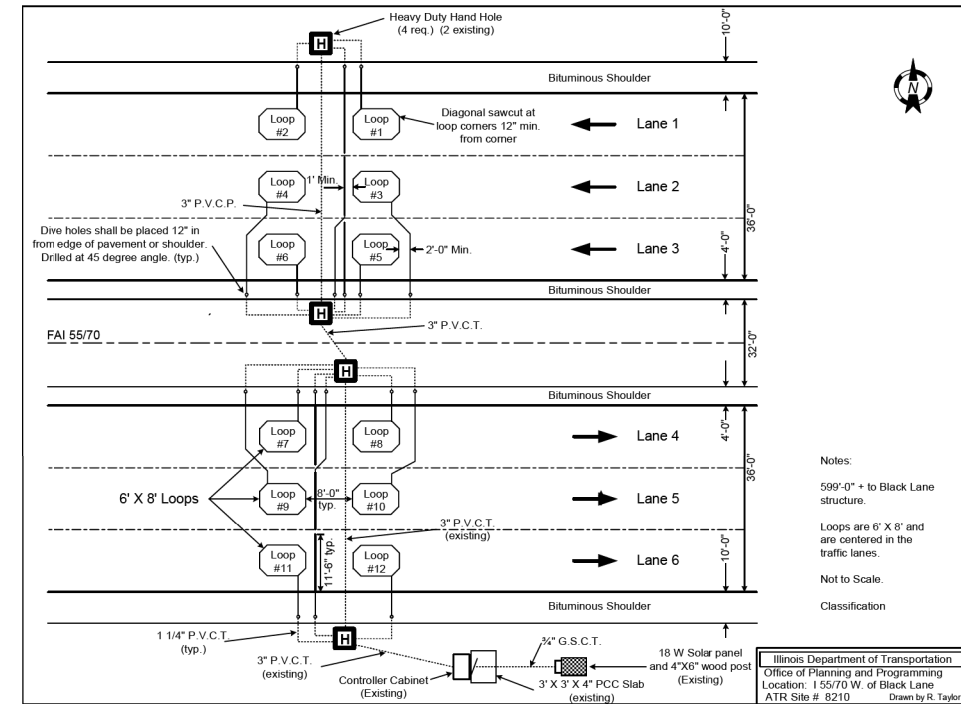


**DETAIL**  
(NO SCALE)

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO CONTROLLER CABINET.
- 3 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT

NOTE: RICHARD MARX SHOULD BE NOTIFIED AT (217) 782-8418, 72 HOURS BEFORE WORK.

**Layout for ATR 821  
Location: I55/70**

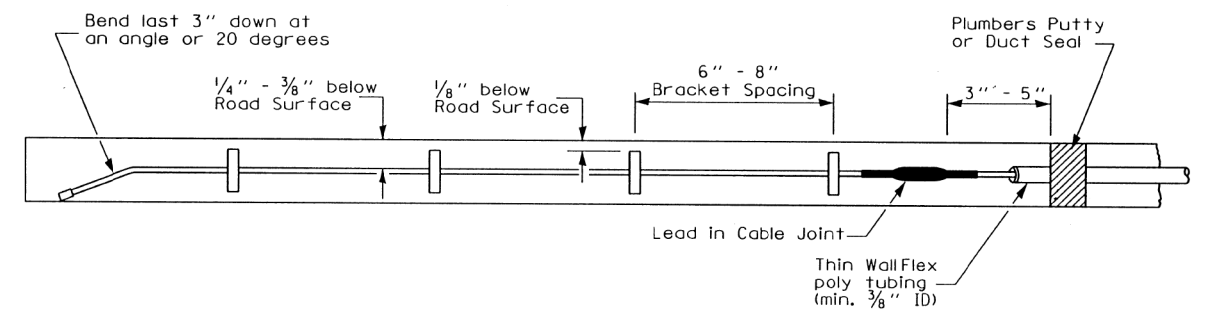


Notes:  
59'-0" + to Black Lane structure.  
Loops are 6' X 8' and are centered in the traffic lanes.  
Not to Scale.  
Classification

Illinois Department of Transportation  
Office of Planning and Programming  
Location: I55/70 W. of Black Lane  
ATR Site # 8210  
Drawn by R. Taylor

**EXISTING/PROPOSED TRAFFIC COUNTER PLANS**

STA. 395+32 EB  
STA. 394+71 WB



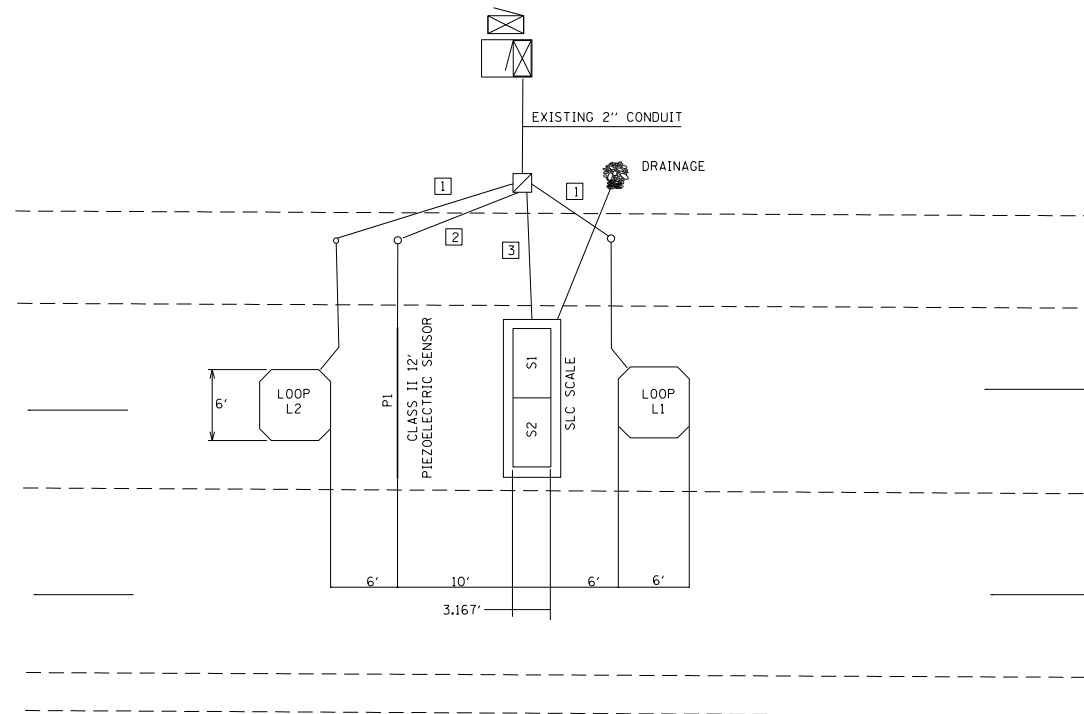
**PIEZO DETAIL**  
NOT TO SCALE

WEIGH-IN-MOTION DETECTOR LOOP SCHEDULE			
STATION	DIRECTION	NO. OF LOOP	DETECTOR LOOP, TYPE I
			FOOT
687+42	WB	LOOP #1	40
	WB	LOOP #2	40
SUB-TOTAL			80

GRAND TOTAL	664
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## WEIGH-IN-MOTION EQUIPMENT LAYOUT



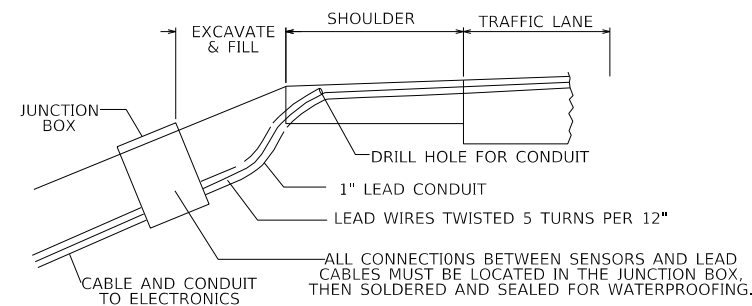
### SIGNAL CONDUITS:

- 1 1" CONDUIT  
1-2C 14AWG (LOOP WIRE)
- 2 1" CONDUIT  
1= RG58 COAXIAL CABLE (PIEZO LEAD)
- 3 2" CONDUIT  
2-3PR 20AWG (SLC LEAD)  
4-2C 18AWG (OFF SCALE LEAD)

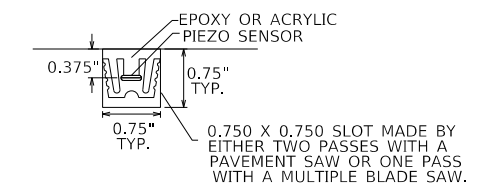
### LOOP DETAILS:

LOOP#	SIZE	NUMBER OF TURNS
L1	6' x 6'	4
L2	6' x 6'	4

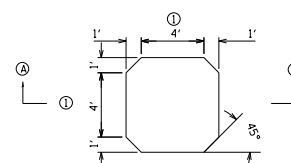
## WEIGH-IN-MOTION LOOP DETAILS



### PIEZO SENSOR INSTALLATION DETAIL



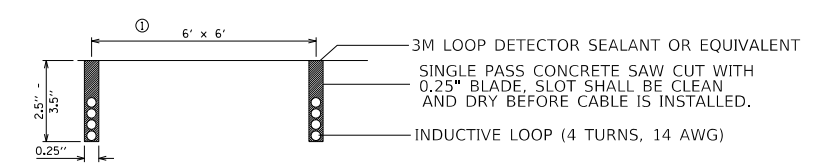
### LOOP DIMENSION DETAIL



### NOTES:

- 6' x 6' LOOP SHOWN. FOR SIZE, REFER TO LOOP DETAILS ON SITE LAYOUT DRAWING AND SECTION A-A ON THIS DRAWING.

### SECTION A - A - LOOP DETAIL

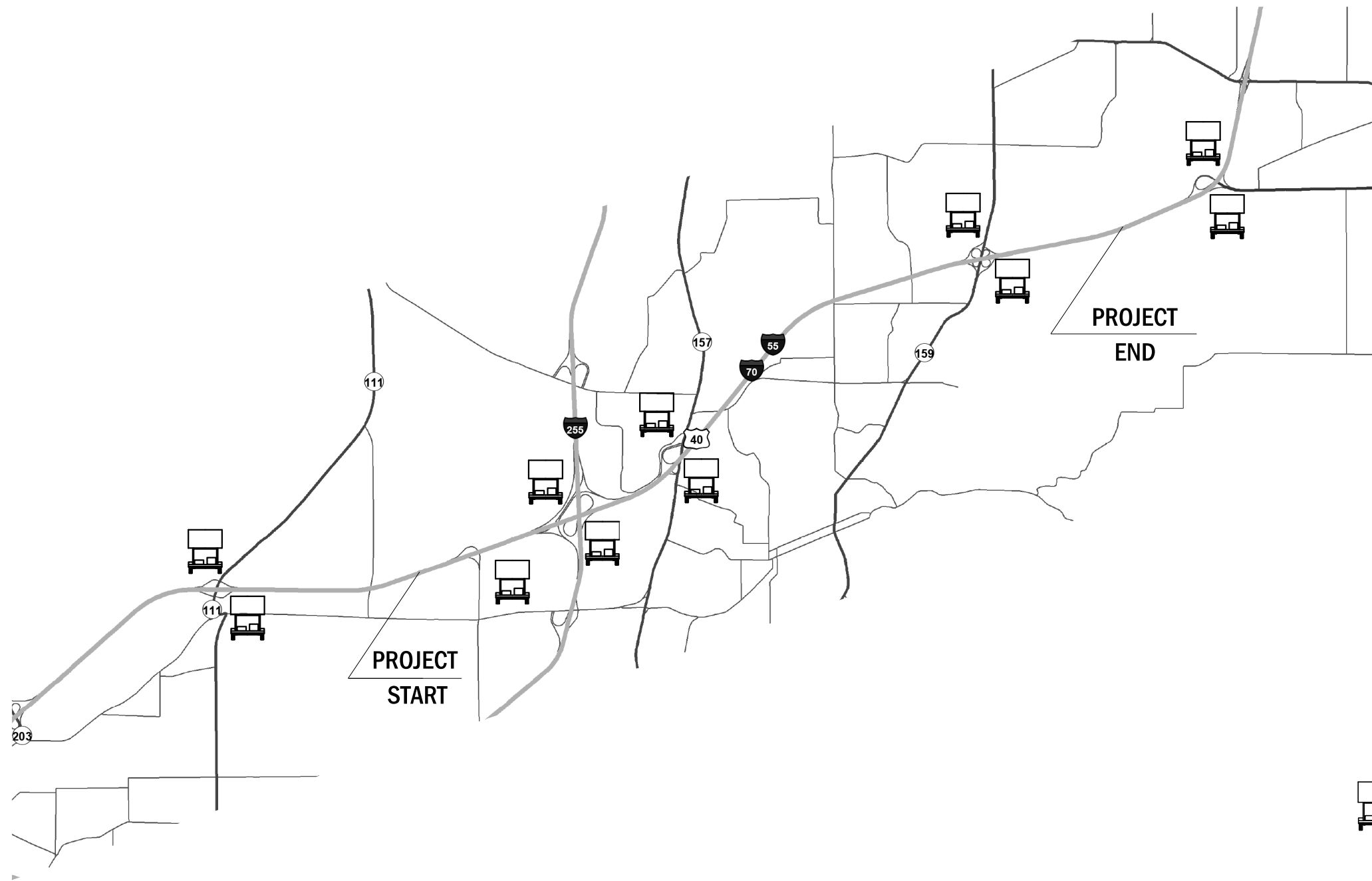


NOTE: KEITH DONOVAN SHOULD BE NOTIFIED AT (217) 782-8414, 72 HOURS BEFORE WORK.

NOT TO SCALE

FILE NAME =	USER NAME = sjmam	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WEIGH-IN-MOTION DETAIL</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\plnroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876L69\0876L69-CAD\Sheets\0876L69-sht-pln.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						70	60-(6,7,8,9)RS-1	MADISON	21	20
Default	PLOT DATE = 3/21/2019	DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 76L69				
										ILLINOIS FED. AID PROJECT			





NOTE: THESE 11 CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE. EXACT LOCATION OF THE CHANGEABLE MESSAGE SIGNS SHALL BE DETERMINED BY THE ENGINEER.

NOT TO SCALE

FILE NAME =	USER NAME = sjmam	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHANGEABLE MESSAGE SIGN LOCATIONS</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 76L69				
	PLOT DATE = 3/21/2019								ILLINOIS FED. AID PROJECT				