

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2		MADISON	6	1
		ILLINOIS	CONTRACT NO. 76L58	
* (101, 102, 103, 104) PP1, 202PP-1				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA - NEW POAG RD TO I-270

2017 ADT = 14100 (ACTUAL)
2018 ADT = 14300 (ESTIMATED)
2038 ADT = 18100 (ESTIMATED)
SU = 13.8% MU = 9.9%

TRAFFIC DATA - I-270 TO POTOON RD

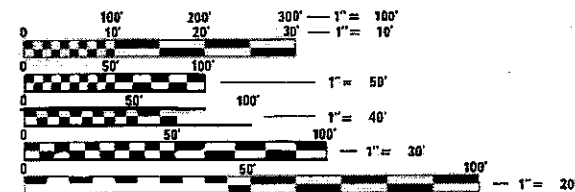
2017 ADT = 17800 (ACTUAL)
2018 ADT = 18000 (ESTIMATED)
2038 ADT = 22900 (ESTIMATED)
SU = 14.0% MU = 11.0%

TRAFFIC DATA - PONTOON RD TO ROCK RD

2017 ADT = 15000 (ACTUAL)
2018 ADT = 15200 (ESTIMATED)
2038 ADT = 19300 (ESTIMATED)
SU = 22.7% MU = 11.0%

TRAFFIC DATA - ROCK RD TO MCKINLEY BRIDGS

2017 ADT = 13100 (ACTUAL)
2018 ADT = 13300 (ESTIMATED)
2038 ADT = 16800 (ESTIMATED)
SU = 13.7% MU = 11.1%



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 LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER TIM PADGETT 618-346-3325
PROJECT MANAGER LEONARD CHILDS 618-346-3191

CONTRACT NO. 76L58

PROPOSED
HIGHWAY PLANS

FAP 2 ROUTE IL 003
SECTION (101,102,103,104) PP-1, 202PP-1

PATCHING
MADISON COUNTY

C-98-257-18

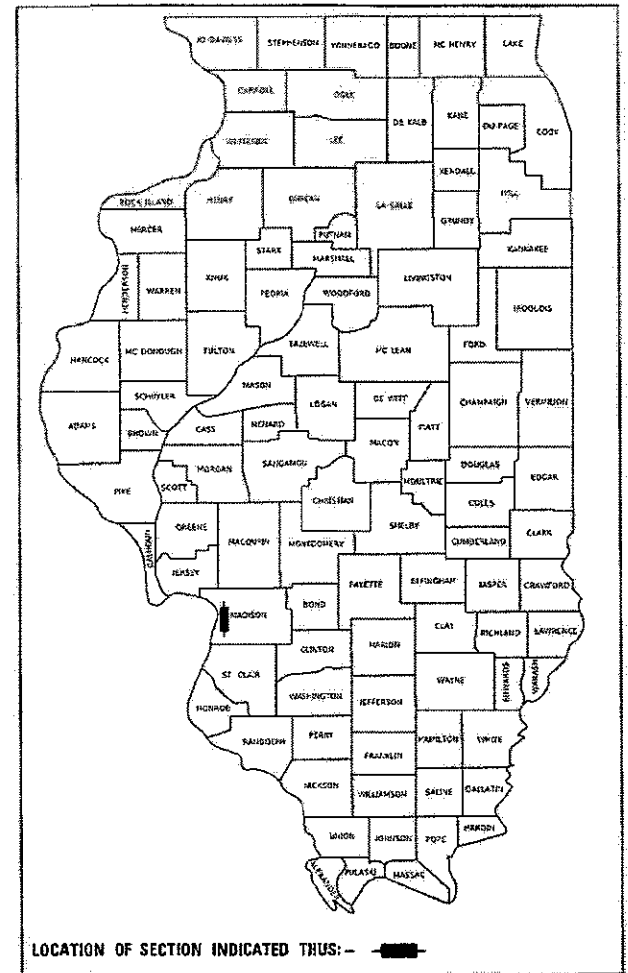
BEGIN PROJECT
NEW POAG RD
38° 40' 12.54" N
90° 05' 57.95" W

BRIDGE OMMISION
SN 060-0193
SN 060-0194

END PROJECT
BROADWAY IN VENICE
38° 40' 60.80" N
90° 10' 26.30" W



GROSS LENGTH = 58776.4 FT. = 11.13 MILE
NET LENGTH = 58598.4 FT. = 11.10 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *May 23, 2018*

Jeffrey Z. K...
REGIONAL ENGINEER

May 11, 2018
E.A. ETK
ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2018
David P. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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.

	AERIAL	BURIED
AMEREN ILLINOIS	X	X
AT&T ILLINOIS	X	X
AT&T CORPORATION	X	X
BUCKEYE PARTNERS L.P. -WOOD RIVER PIPELINE	X	X
CENTURY LINK, INC.	X	X
CHARTER COMMUNICATIONS	X	X
CLEARVIEW COMMUNICATIONS	X	X
CITY OF EDWARDSVILLE		X
ENABLE MIDSTREAM PARTNERS		X
EXPLORER PIPELINE COMPANY		X
CITY OF GRANITE CITY		X
VILLAGE OF HARTFORD		X
ILLINOIS AMERICAN WATER COMPANY		X
LEVEL 3 COMMUNICATIONS, LLC	X	X
LINDE NORTH AMERICA, INC.		X
CITY OF MADISON		X
MITCHELL PUBLIC WATER DISTRICT		X
SHO-ME TECHNOLOGIES	X	X
SPIRE ENERGY		X
SPRINT/NEXTEL	X	X
ST. LOUIS PIPELINE OPERATING LLC		X
WINDSTREAM KDL, INC.	X	X
ZAYO GROUP LLC	X	X

- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE DEPARTMENT 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. 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.
- FIVE ADDITIONAL CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURES AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. SEE THE CHANGEABLE MESSAGE SIGN DETAIL IN THE PLANS FOR APPROXIMATE LOCATIONS. EXACT LOCATIONS SHALL BE AT THE DIRECTION OF THE ENGINEER.
- LOCATION OF THE PATCHES ARE BASED ON THE COUNTY MILE SIGNAGE.

INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- SUMMARY QUANTITIES
- TYPICAL SECTIONS
- SCHEDULES
- LOCATION MAP

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
001001-02	AREAS OF REINFORCEMENT BARS
420001-09	PAVEMENT JOINTS
442201-03	CLASS C & D PATCHES
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS ≥ 45MPH TO 55MPH
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	TRAFFIC CONTROL DEVICES

MIXTURE REQUIREMENTS

ROUTE	FAP 2 /FAU 9105
SECTION	(101,102,103,104)PP-1, 202PP-1
COUNTY	MADISON
CONTRACT	76L58

DESCRIPTION	PATCHING - IL 3 FROM NEW POAG RD TO BROADWAY IN VENICE
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ADT (CONSTRUCTION YR):	14,100
MU%	9.9
SU%	13.4
20 YR. ESAL'S:	11.19

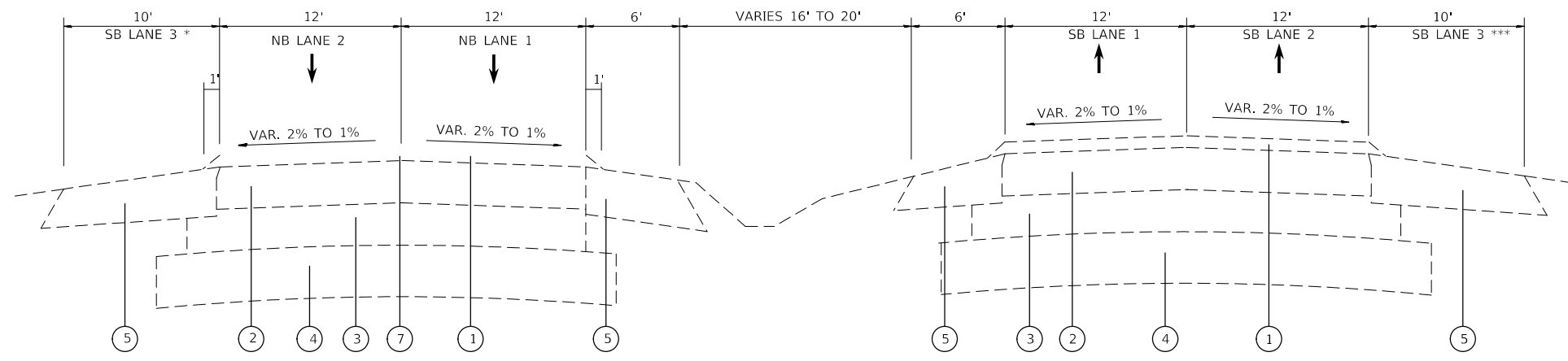
MIXTURE USE	PATCHING	PARTIAL DEPTH PATCHING
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes = 90	4.0% @ Ndes = 90
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 19.5
FRICTION AGG	MIXTURE "B"	MIXTURE "D"
QUALITY MGMT PROGRAM	QC /QA	QC /QA

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes = 30	4.0% @ Ndes = 30
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0L	IL 9.5L
FRICTION AGG		
QUALITY MGMT PROGRAM	QC/QA	QC/QA

COMMITMENTS
NONE

* (101, 102, 103, 104)PP1, 202PP-1

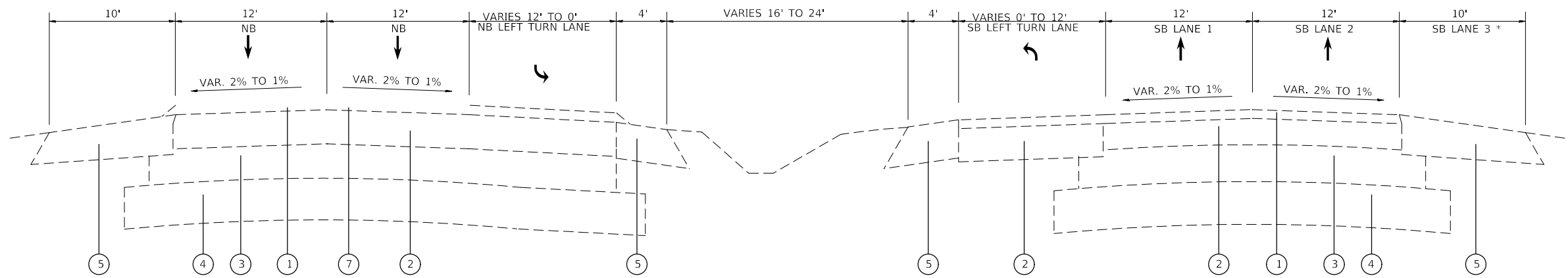
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\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 76L58					
	PLOT DATE = 3/23/2018					SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.



EXISTING TYPICAL SECTION

MILE STA 0.0 TO MILE STA 0.49
 MILE STA 0.49 TO MILE STA 1.71
 MILE STA 1.74 TO MILE STA 2.01
 MILE STA 2.01 TO MILE STA 3.21
 MILE STA 1.74 TO MILE STA 2.01
 MILE STA 2.04 TO MILE STA 3.21
 MILE STA 3.30 TO MILE STA 3.88
 MILE STA 3.94 TO MILE STA 4.13
 MILE STA 4.16 TO MILE STA 4.51
 MILE STA 4.56 TO MILE STA 5.08
 MILE STA 5.21 TO MILE STA 5.46
 MILE STA 5.57 TO MILE STA 7.33
 MILE STA 7.16 TO MILE STA 7.99
 ** MILE STA 8.10 TO MILE STA 8.30
 ** MILE STA 8.45 TO MILE STA 9.82
 MILE STA 10.15 TO MILE STA 11.13

** - INDICATES THERE ARE 12' LANES AT THESE LOCATIONS



EXISTING TYPICAL SECTION

MILE STA 0.49 TO MILE STA 0.49
 MILE STA 1.71 TO MILE STA 1.74
 MILE STA 2.01 TO MILE STA 2.04
 MILE STA 3.21 TO MILE STA 3.30
 MILE STA 3.88 TO MILE STA 3.94
 MILE STA 4.13 TO MILE STA 4.16
 MILE STA 4.51 TO MILE STA 4.56
 MILE STA 5.46 TO MILE STA 5.57
 MILE STA 7.33 TO MILE STA 7.46
 MILE STA 7.99 TO MILE STA 8.10
 ** MILE STA 8.30 TO MILE STA 8.45
 ** MILE STA 9.82 TO MILE STA 10.15

** - INDICATES THERE ARE 12' LANES AT THESE LOCATIONS

LEGEND

- 1 EXISTING RESURFACING, 2-1/2"
- 2 EXISTING PCC PAVEMENT, 9"
- 3 EXISTING AGGREGATE BASE COURSE, TYPE A, 9"
- 4 EXISTING SUB-BASE, 11"
- 5 EXISTING HMA SHOULDERS, 8"

*** (101, 102, 103, 104)PP1, 202PP-1**

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	*	MADISON	6	4
			CONTRACT NO. 76L58	
		ILLINOIS	FED. AID PROJECT	

PARTIAL DEPTH HOT MIX ASPHALT PATCHING - 3"									
LOCATION	LANE DIRECTION	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL TYPE I, 3"	PARTIAL DEPTH REMOVAL TYPE II, 3"	PARTIAL DEPTH REMOVAL TYPE III, 3"	PARTIAL DEPTH REMOVAL TYPE IV, 3"	PARTIAL DEPTH PATCHING	LANE
MILE STATION	DIRECTION	(FT)	(FT)	SQ YDS	SQ YDS	SQ YDS	SQ YDS	TON	
1.90	SB	120	5			67		12	2
1.90	SB	13	12		18			3	1
1.90	SB	6	15		10			2	2
2.70	SB	60	12			80		14	2
2.80	NB	180	12				240	41	2
3.70	SB	280	12				374	63	2
3.70	NB	220	12				294	50	2
4.20	NB	30	6		20			4	2
4.30	NB	30	6		20			4	RT SHLD
4.40	NB	5	5	3				1	2
4.40	SB	310	14				483	82	LT TURN
4.40	SB	35	12		47			8	2
4.80	SB	100	12				134	23	2
4.80	SB	10	12		14			3	1
5.00	SB	20	12		27			5	1
5.00	SB	20	12		27			5	2
5.60	SB	50	12			67		12	2
6.10	NB	200	12				267	45	2
6.40	SB	465	12				620	105	1
6.40	SB	80	12				107	18	2
6.50	NB	55	6		37			7	2
7.30	SB	48	12			64		11	2
7.30	SB	21	12		28			5	1
8.30	8.30	220	12				294	50	2
SUBTOTAL:				3	248	278	2813	573	
15% ALLOWANCE FOR FAILURE				1	38	42	422	86	
TOTAL:				4	286	320	3235	659	

PAVEMENT PATCHING SCHEDULE, FULL DEPTH - 14"						
LOCATION		PATCH		TYPE II	TYPE IV	LANE
MILE STATION	POSTED DIRECTION	LTH.	WTH.	SQ YDS	SQ YDS	
1.20	SB	5	12	7		2
1.20	SB	5	12	7		2
1.20	SB	6	12	8		2
1.20	NB	6	12	8		1
1.20	NB	4	12	5		2
1.20	NB	5	12	7		1
1.30	SB	5	12	7		1
1.30	NB	85	12		113	1
1.40	SB	4	12	5		1
1.40	SB	30	12		40	1
1.40	SB	20	12		27	1
3.00	NB	6	12	8		1
3.00	NB	6	12	8		2
3.00	NB	6	12	8		3
3.60	NB	8	12	11		2
3.60	SB	6	12	8		3
3.70	SB	10	12	13		3
3.90	SB	60	6		40	2
4.30	SB	6	12	8		2
4.40	SB	10	12	13		2
5.60	SB	4	12	5		1
6.10	NB	50	12		67	2
6.80	NB	10	12	13		1
6.80	NB	19	12		25	2
6.90	NB	6	12	8		1
6.90	NB	6	12	8		2
7.00	NB	6	12	8		2
7.40	SB	8	12	11		1
8.10	NB	6	12	8		1
8.10	NB	6	12	8		2
8.10	SB	6	12	8		2
9.40	NB	5	12	7		1
10.60	NB	4	12	5		2
10.70	NB	4	12	5		2
SUB TOTAL					225	312
15% ALLOWANCE FOR FAILURE					34	47
TOTAL					259	359

PAVEMENT MARKING SCHEDULE - NORTHBOUND				
LOCATION (NORTHBOUND)	LANE	EDGE LINE SOLID YELLOW 4"	SKIP DASH WHITE 4"	EDGE LINE SOLID WHITE 4"
MILE		(FOOT)	(FOOT)	(FOOT)
1.2	1	6		
1.2	1	5		
1.3	1	85		
1.9	2		30	
2.8	2		40	
3.0	1	6		
3.0	3			6
3.7	2		60	
4.2	2			30
4.3	2		10	
4.4	2			10
6.1	2		20	50
6.1	2		50	200
6.8	1	10		
6.8	2		10	19
6.9	1	6		
6.9	2		10	6
7.0	2			6
8.1	1	6		
8.1	2		10	6
8.3	2		60	220
SUBTOTAL		124	300	553
TOTAL			977	

PAVEMENT MARKING SCHEDULE - SOUTHBOUND						
LOCATION (SOUTHBOUND)	LANE	EDGE LINE SOLID YELLOW 4"	SKIP DASH WHITE 4"	EDGE LINE SOLID WHITE 4"	STOP BAR SOLID WHITE 24"	LETTERS & SYMBOLS WHITE (SQ FT)
MILE		(FOOT)	(FOOT)	(FOOT)	(FOOT)	
10.7	2		4	4		
10.6	2			4		
9.4	1	5	4			
7.3	2		10	20	12	
6.4	1		20			
6.4	2			465	12	
5.6	1	4				
5.6	2			50		
5.0	1,2	20	10	20		
4.8	2		30	38		
4.4	LT TURN	281		281	12	31.2
4.4	2			30		
3.9	2			60		
3.7	2		140			
3.7	3			10		
3.6	3			6		
2.7	2		20			
1.4	1	20	10			
1.4	1	30	10			
1.4	1	4				
1.3	1	5				
1.2	2			6		
1.2	2			5		
SUBTOTAL		369	258	999	36	31.2
TOTAL			1626		36	31.2

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE			
MILE STATION	LANE	RAISED REFLECTIVE PAVEMENT MARKER ONE-WAY CRYSTAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
MILE		(EACH)	(EACH)
1.9	2	2	2
2.8	2	2	2
3.7	2	2	2
6.1	2	2	
6.1	2	4	4
7.0	2	1	
8.3	2	4	4
SUB TOTAL:		17	14
SOUTHBOUND			
6.4	1	4	4
4.8	2	1	1
4.4	LT TURN	7	7
3.7	2	8	8
1.4	1	1	
SUB TOTAL:		21	20
TOTAL:		38	34

THERMOPLASTIC LINE PAVEMENT MARKING SCHEDULE			
DIRECTION	THERMOPLASTIC PAVEMENT MARKING, 4"	THERMOPLASTIC PAVEMENT MARKING, 24"	THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS
	(FOOT)	(FOOT)	(SQ FT)
NORTHBOUND	977	0	0
SOUTHBOUND	1626	36	31.2
TOTAL	2603	36	31.2

* (101, 102, 103, 104)PP1, 202PP-1

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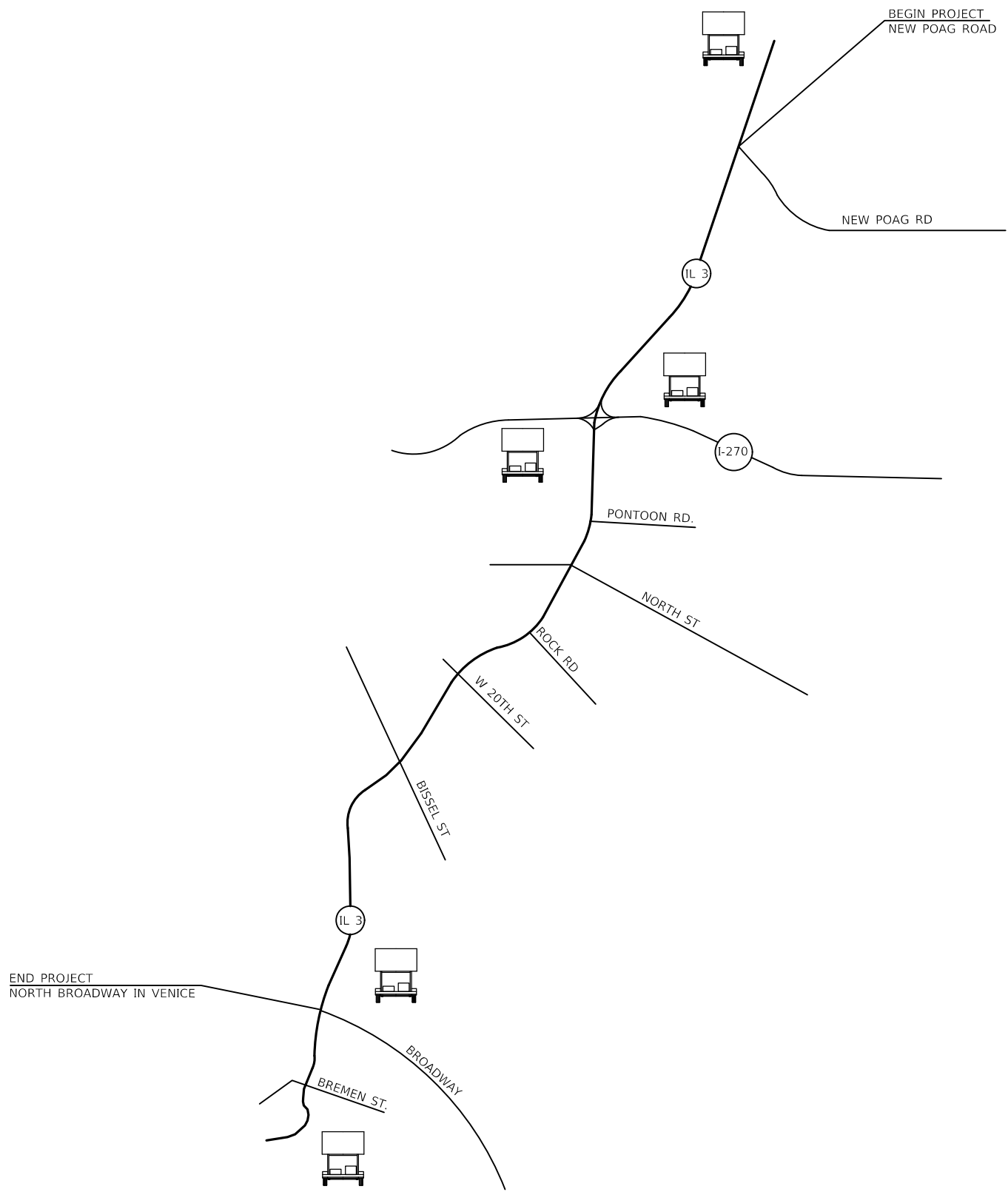
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	*	MADISON	6	5
CONTRACT NO. 76L23				
ILLINOIS FED. AID PROJECT				

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CHANGEABLE MESSAGE BOARDS

LOCATION MAP
 NOT TO SCALE

* (101, 102, 103, 104)PP1, 202PP-1

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PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	*	MADISON	6	6
			CONTRACT NO. 76L58	
		ILLINOIS FED. AID PROJECT		