

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	(101,102,202)PP-1	MADISON	8	1
ILLINOIS			CONTRACT NO. 76N27	

116

FOR INDEX OF SHEETS, SEE SHEET NO.

ADT

NEW POAG RD TO I-270
2019 ADT=13500 (ACTUAL)
2020 ADT=13700 (ESTIMATED)
2040 ADT=17300 (ESTIMATED)
SU=5.2% MU=8.1%

I-270 TO MISSOURI AVE
2019 ADT=19300 (ACTUAL)
2020 ADT=19500 (ESTIMATED)
2040 ADT=24800 (ESTIMATED)
SU=6.2% MU=10.6%

MISSOURI AVE TO NEIDRINGHAUS
2019 ADT=14800 (ACTUAL)
2020 ADT=15000 (ESTIMATED)
2040 ADT=19000 (ESTIMATED)
SU=4.7% MU=12.8%

NEIDRINGHAUS TO MCKINLEY APPROACH
2019 ADT=14100 (ACTUAL)
2020 ADT=14300 (ESTIMATED)
2040 ADT=18100 (ESTIMATED)
SU=7.1% MU=8.5%

**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 2 (IL 3)
SECTION (101,102,202)PP-1
PATCHING
MADISON COUNTY**

C-98-067-20



PROJECT BEGINS
STA 1220 + 84
M.P. 0.0
LAT:38.80353
LONG:-90.09943



PROJECT ENDS
STA 1764 + 68
M.P. 10.51
LAT:38.66724
LONG:-90.17598



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: HERVE GELIN (618) 346-3179
SQUAD LEADER: BILLIE OWEN (618) 346-3209

CONTRACT NO. 76N27

GROSS LENGTH = 55492.8 FT. = 10.51 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 18, 19
Keith Roberts
REGIONAL ENGINEER

Jan 31, 20
EA. ETK
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31, 20
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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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.
- 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.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
- 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.
- PRIOR TO PATCHING, A PATCHING SURVEY SHALL BE PERFORMED TO DETERMINE PRIORITY PATCHING LOCATIONS. THE PATCHING SURVEY SHALL BE COORDINATED WITH THE BUREAU OF OPERATIONS FIELD ENGINEER TIM PRICE.
- CLASS C PATCHES SHALL BE TIED TRANSVERSELY USING 1/2 INCH TIE BARS. PATCHES LONGER THAN 20 FEET SHALL ALSO BE TIED TO ADJACENT PAVEMENT USING 1/2 INCH TIE BARS.
- TYPICAL SECTION NOT FOUND PAST STA. 1501+00.00= MILE STATION 5.3 SOUTH OF NEW POAG ROAD

INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- SUMMARY QUANTITIES
- 6. TYPICAL SECTIONS
- 8. SCHEDULES

STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMPS, FOR SPEEDS > 45 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NOTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

MIXTURE REQUIREMENTS

ROUTE	FAP 2 /FAU 9105
SECTION	(101,102,202)PP-1
COUNTY	MADISON
CONTRACT	76N27

DESCRIPTION	10.5 MILES OF PATCHING ON IL 3 FROM NEW POAG ROAD TO MCKINLEY BRIDGE
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ADT (CONSTRUCTION YR):	19500
MU%	10.6
SU%	6.2
20 YR. ESAL'S:	14.02

MIXTURE USE	PATCHING	
	BINDER	SURFACE
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 9.5
FRICITION AGG	MIXTURE "B"	MIXTURE "D"
QUALITY MGMT PROGRAM	QC /QA	QC /QA

COMMITMENTS

NONE

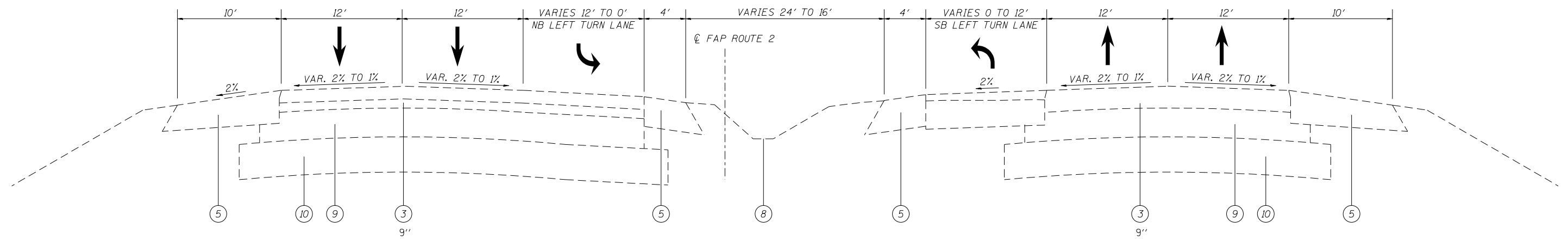
CODE NO.	ITEM	UNIT	100% STATE TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0005	URBAN
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	25	25	
44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	284	284	
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	8	8	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	10	10	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	56	56	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	53	53	
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	37	37	
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	169	169	
44213198	TIE BARS 1/2"	EACH	183	183	
67100100	MOBILIZATION	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	80	80	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	

CODE NO.	ITEM	UNIT	100% STATE TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0005	URBAN
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	804	804	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	

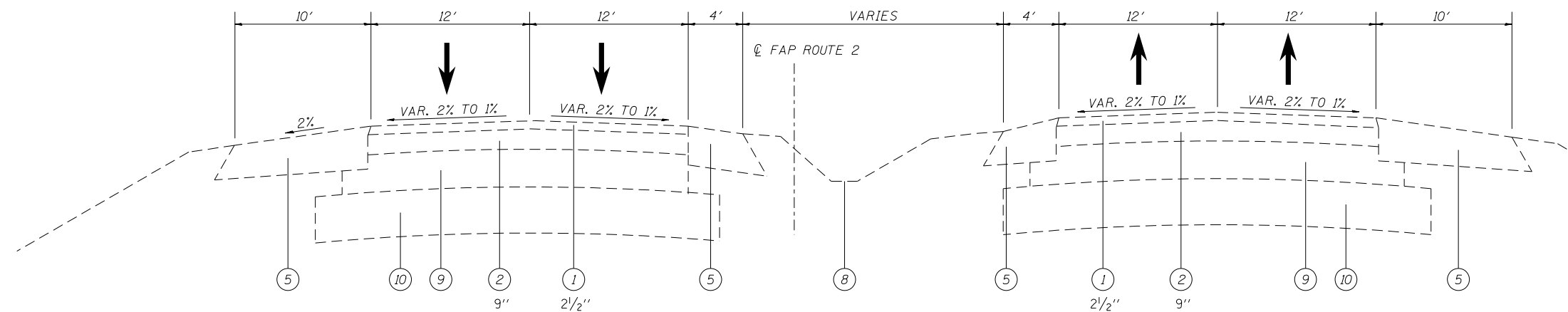
* SPECIALTY ITEM

REV. - MS

IL 3 EXISTING TYPICAL SECTIONS AT NEW POAG RD.



EXISTING IL 3
STA. 1220+84.00 TO STA. 1341+50.00



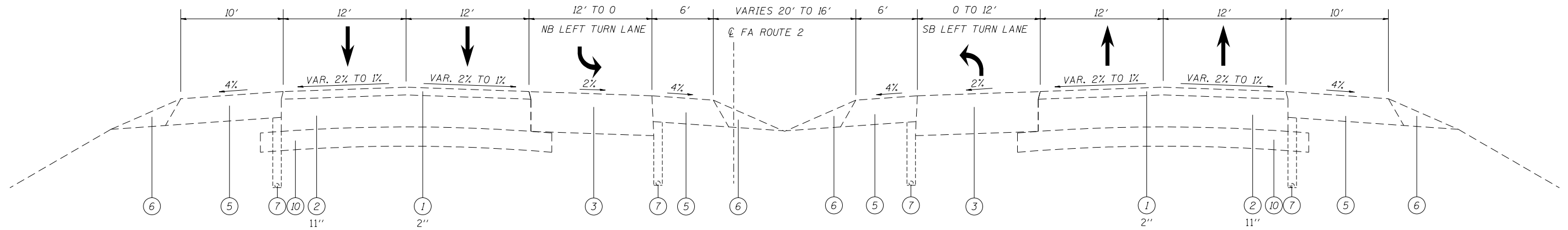
EXISTING IL 3
STA. 1213+08.00 TO STA. 1341+50.00

LEGEND

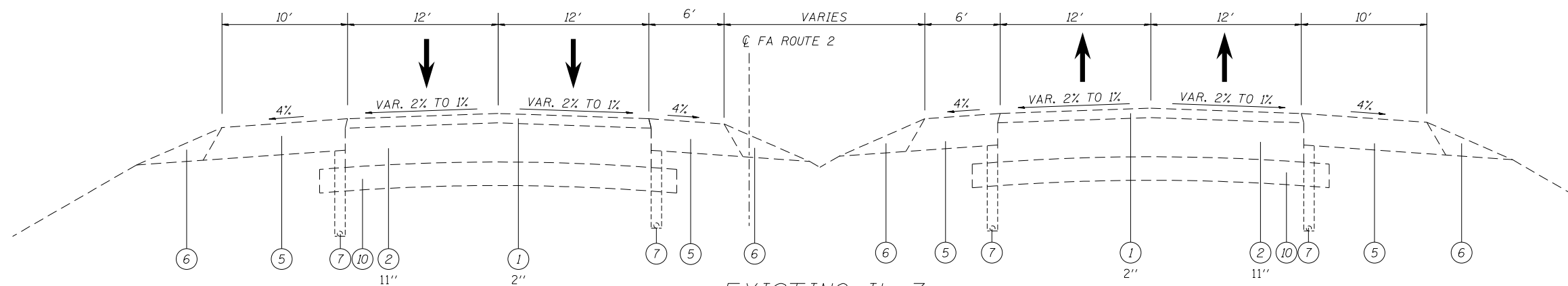
- ① EXISTING RESURFACING. *
- ② EXISTING PCC PAVEMENT. *
- ③ EXISTING HMA PAVEMENT. *
- ④ EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ EXISTING HMA SHOULDERS
- ⑥ EXISTING AGGREGATE SHOULDERS
- ⑦ EXISTING PIPE UNDERDRAINS
- ⑧ EXISTING CONCRETE MEDIAN SURFACE
- ⑨ EXISTING GRAVEL OR CRUSHED STONE BASE, TYPE A
- ⑩ EXISTING SUB-BASE

FILE NAME =	USER NAME = lewisko	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\planroom.dot\illinois.gov\PID01\Documents\IDOT Offices\District 8\Projects\0876N27\Drawings\CAD\Drawings\0876N27-sht-typical.dwg	PLLOT SCALE = 100.3104' / in.	CHECKED -	REVISED -			2	(101,102,202)PP-1	MADISON	8	4	
Default	PLLOT DATE = 12/19/2019	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 76N27			
						ILLINOIS FED. AID PROJECT					

IL 3 EXISTING TYPICAL SECTIONS AT CHAIN OF ROCKS RD.



EXISTING IL 3
STA. 1341+50.00 TO STA. 1382+14.02



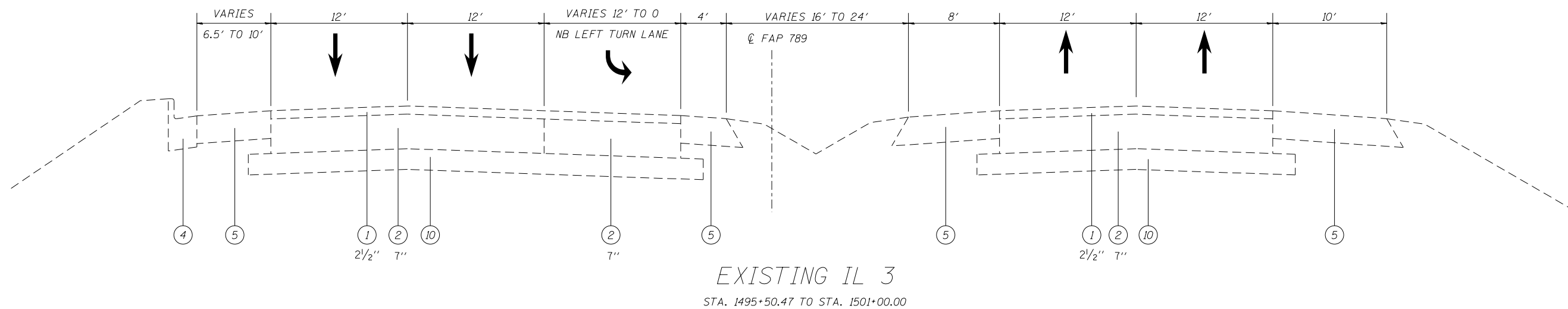
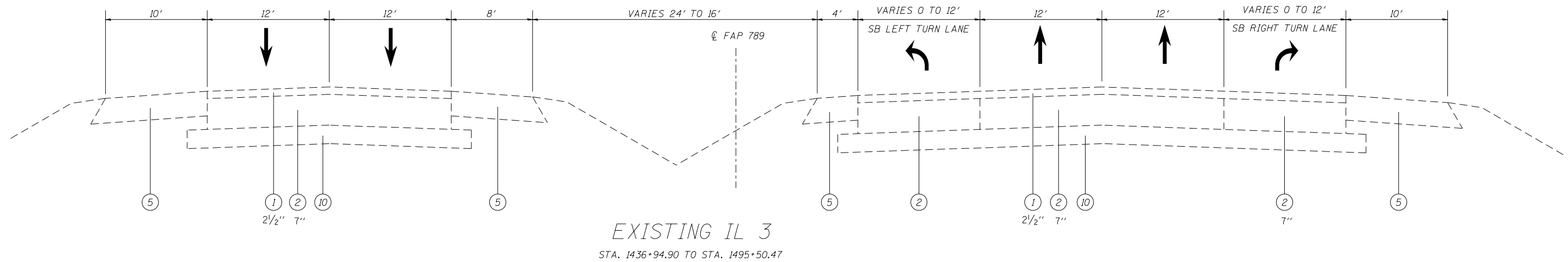
EXISTING IL 3
STA. 1382+14.02 TO STA. 1436+94.90

LEGEND

- ① EXISTING RESURFACING, *
- ② EXISTING PCC PAVEMENT, *
- ③ EXISTING HMA PAVEMENT, *
- ④ EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ EXISTING HMA SHOULDERS
- ⑥ EXISTING AGGREGATE SHOULDERS
- ⑦ EXISTING PIPE UNDERDRAINS
- ⑧ EXISTING CONCRETE MEDIAN SURFACE
- ⑨ EXISTING GRAVEL OR CRUSHED STONE BASE, TYPE A
- ⑩ EXISTING SUB-BASE

FILE NAME -	USER NAME - lewiska	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.3104' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76N27				
	PLOT DATE = 12/19/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

IL 3 EXISTING TYPICAL SECTIONS AT PONTOON RD.



TYPICAL SECTION NOT FOUND PAST
STA. 1501+00.00= ASSUMED PAVEMENT DEPTH OF 14" FOR PATCHING QUANTITIES

LEGEND

- ① EXISTING RESURFACING. *
- ② EXISTING PCC PAVEMENT. *
- ③ EXISTING HMA PAVEMENT. *
- ④ EXISTING CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ EXISTING HMA SHOULDERS
- ⑥ EXISTING AGGREGATE SHOULDERS
- ⑦ EXISTING PIPE UNDERDRAINS
- ⑧ EXISTING CONCRETE MEDIAN SURFACE
- ⑨ EXISTING GRAVEL OR CRUSHED STONE BASE, TYPE A
- ⑩ EXISTING SUB-BASE

FILE NAME =	USER NAME = lewisko	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						2	(101,102,202)PP-1	MADISON	8	6	
						CONTRACT NO. 76N27					
						ILLINOIS FED. AID PROJECT					
Default	PLOT SCALE = 100.3104' / in. PLOT DATE = 12/19/2019	CHECKED - DATE -	REVISED - REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.				

LOCATION MILE		DIRECTION	LANE	LENGTH FT	WIDTH FT	AREA SQ YD	PAVEMENT PATCHING						TIE BARS 1/2" CLASS C ONLY	PAVEMENT MARKING		
							CLASS C 14"		CLASS D 12"			CLASS D 14"			SKIP DASH WHITE	4" YELLOW SOLID
							TYPE II	TYPE IV	TYPE I	TYPE II	TYPE III	TYPE II	TYPE III	TYPE IV		
0.00	1220+84.00	BEGIN AT NEW POAG ROAD GOING SOUTH														
0.30	1236+68.00	SB	1	12	12	16.00					16.00			10.00	12.00	
0.50	1247+24.00	SB	2	24	6	16.00					16.00			10.00	24.00	
0.70	1257+80.00	SB	2	6	6	4.00			4.00					6.00	6.00	
1.90	1321+16.00	SB	1	12	12	16.00					16.00			10.00	12.00	
3.00	1379+24.00	SB	1	12	6	8.00				8.00				10.00	12.00	
3.10	1384+52.00	SB	3	15	12	20.00		20.00					20.00	10.00	15.00	
3.10	1384+52.00	SB	3	15	12	20.00		20.00					20.00	10.00	15.00	
3.60	1410+92.00	SB	2	12	12	16.00						16.00		10.00	12.00	
4.00	1432+04.00	SB	1	15	6	10.00					10.00			10.00	15.00	
10.20	1759+40.00	SB	1	20	12	26.67							26.67	10.00	20.00	
10.20	1759+40.00	SB	2	12	6	8.00	8.00							10.00	12.00	
10.20	1759+40.00	SB	1	45	12	60.00		60.00						35.00	45.00	
10.20	1759+40.00	SB	2	110	12	146.67		146.67						57.00	110.00	
10.30	1764+68.00	SB	2	20	6	13.33	13.33							17.00	20.00	
10.30	1764+68.00	SB	1	20	12	26.67							26.67	10.00	20.00	
10.30	1764+68.00	SB	2	30	6	20.00							20.00	10.00	30.00	
10.30	1764+68.00	SB	1	20	12	26.67							26.67	10.00	20.00	
0.00	1775+25.00	BEGIN AT BROADWAY GOING NORTH														
0.40	1754+13.00	NB	3	24	6	16.00						16.00		10.00	24.00	
0.60	1743+57.00	NB	2	40	6	26.67							26.67	10.00	40.00	
2.30	1653+81.00	NB	2	15	12	20.00							20.00	10.00	15.00	
2.40	1648+53.00	NB	2	20	6	13.33					13.33			10.00	20.00	
3.00	1616+85.00	NB	2	10	6	6.67					6.67			10.00	10.00	
3.70	1579+89.00	NB	2	4	6	2.67			2.67					4.00	4.00	
4.30	1548+21.00	NB	2	8	6	5.33					5.33			8.00	8.00	
5.50	1484+85.00	NB	1	15	6	10.00					10.00			10.00	15.00	
SUB-TOTAL						554.67	21.33	246.67	6.67	8.00	48.00	45.33	32.00	146.67	159.00	
ANTICIPATED FAILURES (15%)							3.20	37.00	1.00	1.20	7.20	6.80	4.80	22.00	23.85	
TOTAL							24.53	283.67	7.67	9.20	55.20	52.13	36.80	168.67	182.85	

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USER NAME = lewiska	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.3104' / in.	CHECKED -	REVISED -
PLOT DATE = 12/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

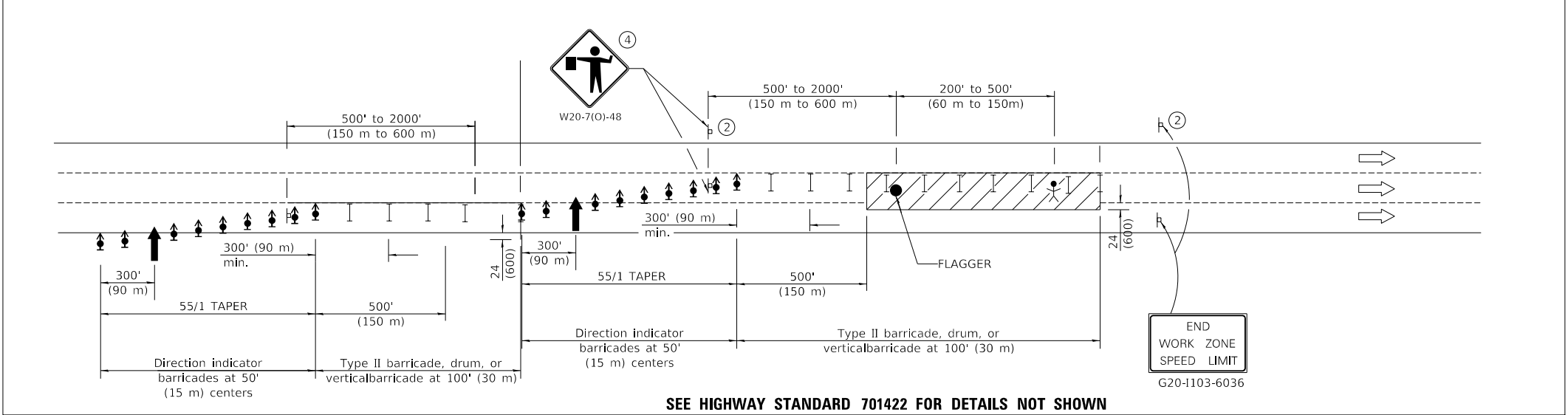
SCALE: SHEET OF SHEETS STA. TO STA.

SCHEDULES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	(101.102.202)PP-1	MADISON	8	7
CONTRACT NO. 76N27			ILLINOIS FED. AID PROJECT	

LOCATION		ROADWAY CROSS SECTION	DIRECTION	LANE NO.	TRAFFIC CONTROL & PROTECTION			
MILE POINT	APPROX STATION				701411 EACH	701422 L SUM	SPECIAL L SUM	701701 L SUM
0.00	1220+84.00	BEGIN AT NEW POAG ROAD GOING SOUTH						
0.30	1236+68.00	4 LANE DIVIDED	SB	1		X		
0.50	1247+24.00	4 LANE DIVIDED AT INTERSECTION	SB	2		X		X
0.70	1257+80.00	4 LANE DIVIDED	SB	2		X		
1.90	1321+16.00	4 LANE DIVIDED	SB	1		X		
3.00	1379+24.00	4 LANE DIVIDED W/LTL NEAR I-270 RAMP	SB	1	1	X		
3.10	1384+52.00	4 LANE DIVIDED W/LTL NEAR I-270 RAMP	SB	3	1	X		
3.10	1384+52.00	4 LANE DIVIDED W/LTL NEAR I-270 RAMP	SB	3		X		
3.60	1410+92.00	4 LANE DIVIDED	SB	2				
4.00	1432+04.00	4 LANE DIVIDED	SB	1		X		
10.20	1759+40.00	2 LANES SB, 3 LANES NB W/ BARRIER	SB	1		X		
10.20	1759+40.00	2 LANES SB, 3 LANES NB W/ BARRIER	SB	2		X		
10.20	1759+40.00	2 LANES SB, 3 LANES NB W/ BARRIER	SB	1		X		
10.20	1759+40.00	2 LANES SB, 3 LANES NB W/ BARRIER	SB	2		X		
10.30	1764+68.00	4 LANE DIVIDED	SB	2		X		
10.30	1764+68.00	4 LANE DIVIDED	SB	1		X		
10.30	1764+68.00	4 LANE DIVIDED	SB	2		X		
10.30	1764+68.00	4 LANE DIVIDED	SB	1		X		
TOTAL =					2	1	1	1
0.00	1775+25.00	BEGIN AT BROADWAY GOING NORTH						
0.40	1754+13.00	2 LANES SB, 3 LANES NB W/ BARRIER	NB	3		X		
0.60	1743+57.00	6 LANE DIVIDED AT INTERSECTION	NB	2			X	X
2.30	1653+81.00	6 LANE DIVIDED	NB	2			X	
2.40	1648+53.00	6 LANE DIVIDED	NB	2			X	
3.00	1616+85.00	4 LANE DIVIDED	NB	2		X		
3.70	1579+89.00	4 LANE DIVIDED	NB	2		X		
4.30	1548+21.00	4 LANE DIVIDED	NB	2		X		
5.50	1484+85.00	4 LANE DIVIDED (NEAR INTERSECTION)	NB	1		X		X

TRAFFIC CONTROL AND PROTECTION (SPECIAL) DETAIL



SEE HIGHWAY STANDARD 701422 FOR DETAILS NOT SHOWN

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DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 100:3104 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 12/19/2019				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	(101,102,202)PP-1	MADISON	8	8
CONTRACT NO. 76N27				
ILLINOIS FED. AID PROJECT				