

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-8WS-PP-1	MADISON	7	1
		ILLINOIS	CONTRACT NO. 76P35	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA	
LOCATION	EB I-551-70
2021 ADT	24,800 (ACTUAL)
2041 ADT	27,500 (ESTIMATED)
MU%	22.0
SU%	2.8

LOCATION	WB I-551-70
2021 ADT	25,400 (ACTUAL)
2041 ADT	29,400 (ESTIMATED)
MU%	16.5
SU%	1.9

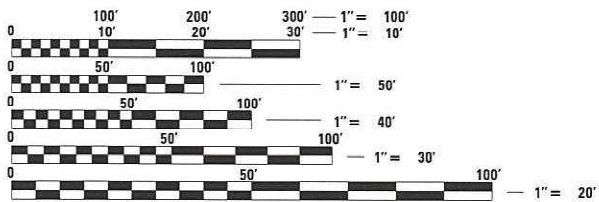
PROPOSED HIGHWAY PLANS

FAI ROUTE 70 (I-551-70)
SECTION: 60-8WS-PP-1

PAVEMENT PATCHING
MADISON COUNTY

C-98-074-21

R 8 W

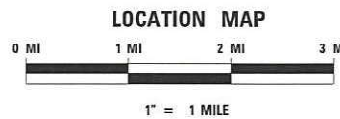
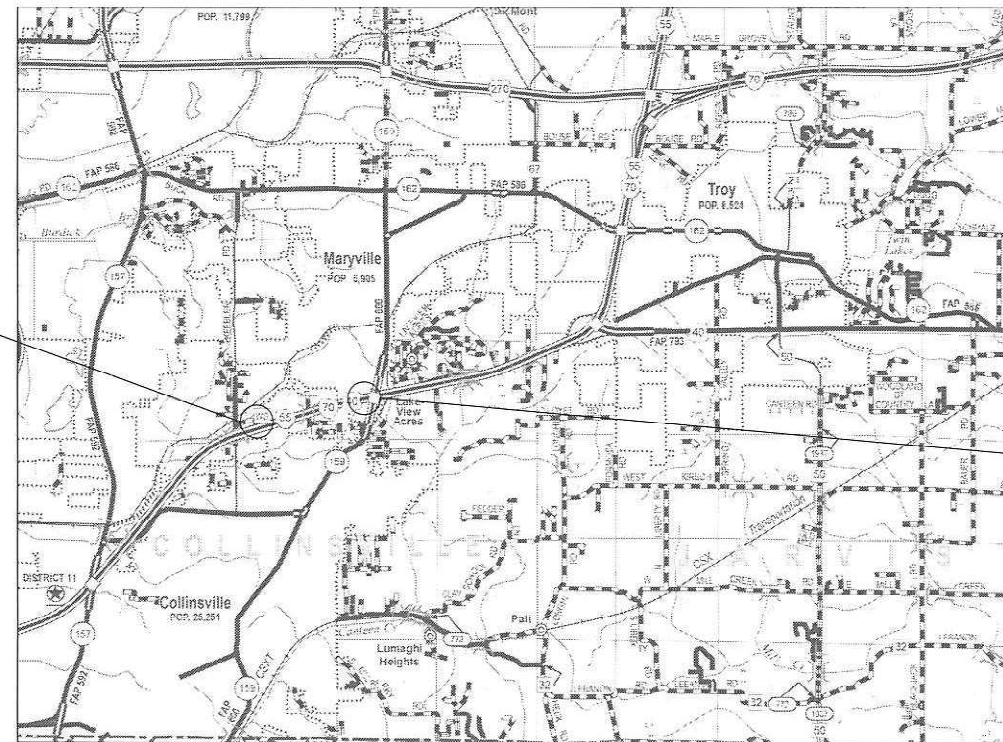


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: BILLIE OWEN (618) 346-3209
PROJECT MANAGER: PHIL FREIMUTH (618) 346-3194

CONTRACT NO. 76P35



GROSS LENGTH = 3,200 FT. = 0.61 MILE
NET LENGTH = 3,200 FT. = 0.61 MILE



LOCATION OF SECTION INDICATED THUS: —

LOCATION 1
WEIGH STATION
BEGIN STA. 13+50
LAT: 38.705161
LONG:-89.974142
END STA. 45+50
LAT: 38.702667
LONG:-89.984481

LOCATION 2
EB I-55/I-70
STA. 706+49
LAT: 38.707946
LONG:-89.959243

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb. 1 2021
K. Roberty
REGIONAL ENGINEER

March 19, 2021
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021
James J. Gurn
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6 SCHEDULE OF QUANTITIES
- 7 LOCATION MAP

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS \geq 45MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
442001-04	CLASS A, PATCHES

GENERAL NOTES

- ① AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	AERIAL	BURIED
ADB COMPANIES (COMMUNICATIONS)		
AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
AT&T ILLINOIS (COMMUNICATIONS)	X	X
CHARTER COMMUNICATIONS, INC. (CABLE TV)	X	X
DEPARTMENT OF CENTRAL MANAGEMENT SERVICES (COMMUNICATIONS)	X	X
CITY OF COLLINSVILLE (WATER & SANITARY SEWER)	X	X
VILLAGE OF MARYVILLE (WATER & SANITARY SEWER)		X
VERIZON BUSINESS (COMMUNICATIONS)		X
CITY OF TROY (WATER & SANITARY SEWER)	X	X
		X

- ② NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- ③ ALL TURF AREAS DISTURBED BY THE CONTRACTOR SHALL BE SEEDED WITH THE APPROPRIATE EROSION CONTROL, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- ④ 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.
- ⑤ PATCHING IS NOT ANTICIPATED TO BE REQUIRED ON THE WEIGH SCALE, AT LOCATIONS WITH SIGNAL LOOPS, ALONG THE LOOP RAMP, OR IN THE PARKING AREAS.
- ⑥ TWO CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED TO BE PLACED ALONG NORTHBOUND I-55/70 AND SOUTHBOUND IL 159 TO ALERT DRIVERS OF THE UPCOMING ROAD CONSTRUCTION. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 14 DAYS PRIOR TO LANE CLOSURES ON I-55/70 AND IL 159. EXACT LOCATIONS OF THE CHANGEABLE MESSAGE SIGNS SHALL BE DETERMINED BY THE ENGINEER

COMMITMENTS

THE ENGINEER SHALL COORDINATE WITH MASTER SERGEANT JASON MILLER OF THE ILLINOIS STATE POLICE AT 618-346-3601 TO DETERMINE CLOSURE DATES.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES,
& COMMITMENTS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-8WS-PP-1	MADISON	7	2
CONTRACT NO. 76P35				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	100% STATE		CONSTR. CODE
			TOTAL QUANTITY		ROADWAY
					0006 URBAN
42000060	WELDED WIRE REINFORCEMENT	SQ YD	374		374
44200624	CLASS A PATCHES, TYPE III, 14 INCH	SQ YD	16		16
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	53		53
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	67		67
44201043	CLASS B PATCHES, TYPE II, 16 INCH	SQ YD	92		92
44201048	CLASS B PATCHES, TYPE IV, 16 INCH	SQ YD	162		162
44201299	DOWEL BARS 1 1/2"	EACH	513		513
44213000	PATCHING REINFORCEMENT	SQ YD	16		16
44213200	SAW CUTS	FOOT	1368		1368
44213204	TIE BARS 3/4"	EACH	20		20
67100100	MOBILIZATION	L SUM	1		1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1		1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1		1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1		1

CODE NO.	ITEM	UNIT	100% STATE		CONSTR. CODE
			TOTAL QUANTITY		ROADWAY
					0006 URBAN
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28		28
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1
∅ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	12800		12800

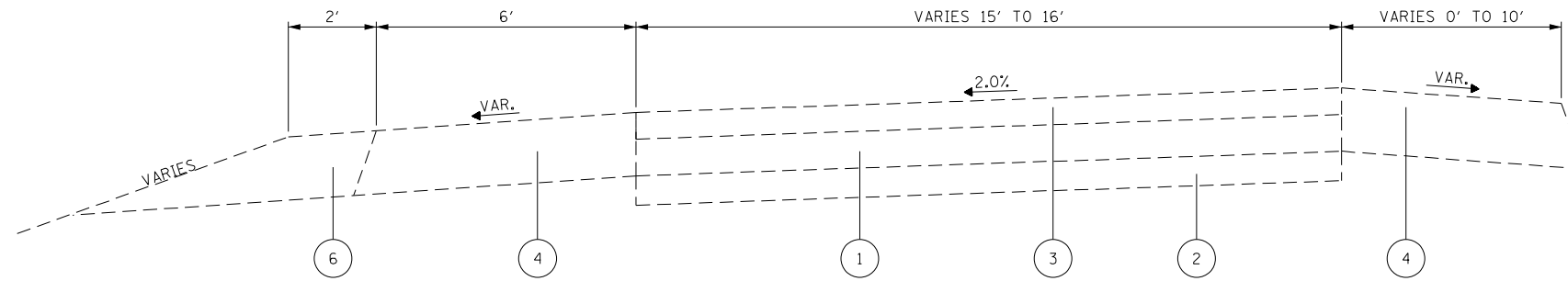
* SPECIALTY ITEM

∅ 0042

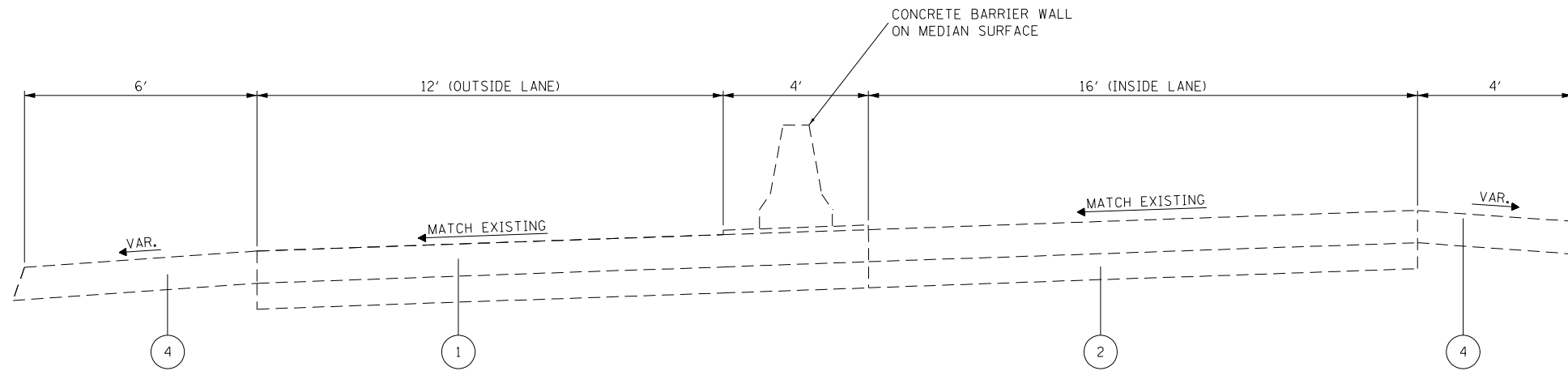
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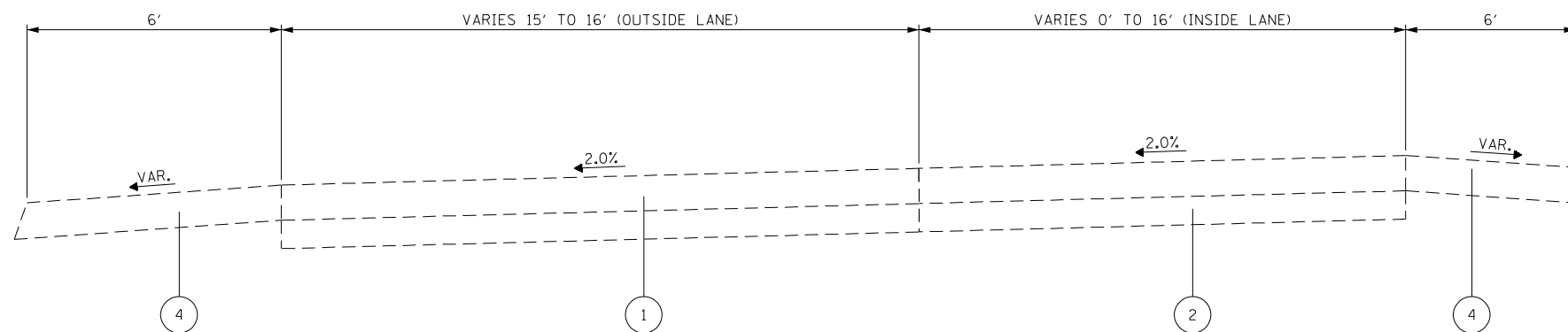
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TYPICAL SECTION
 STA. 13+50 TO STA. 18+01
 STA. 42+41 TO STA. 45+50



TYPICAL SECTION
 STA. 27+00 TO STA. 31+83



TYPICAL SECTION
 STA. 18+01 TO STA. 27+00
 STA. 31+83 TO STA. 42+41

LEGEND

- ① EXISTING PCC PAVEMENT 10"
- ② EXISTING SUB-BASE GRANDULAR MATERIAL, TYPE A, 8"
- ③ EXISTING HMA SURFACE, 6"
- ④ EXISTING HMA SHOULDERS - VAR. DEPTH
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER

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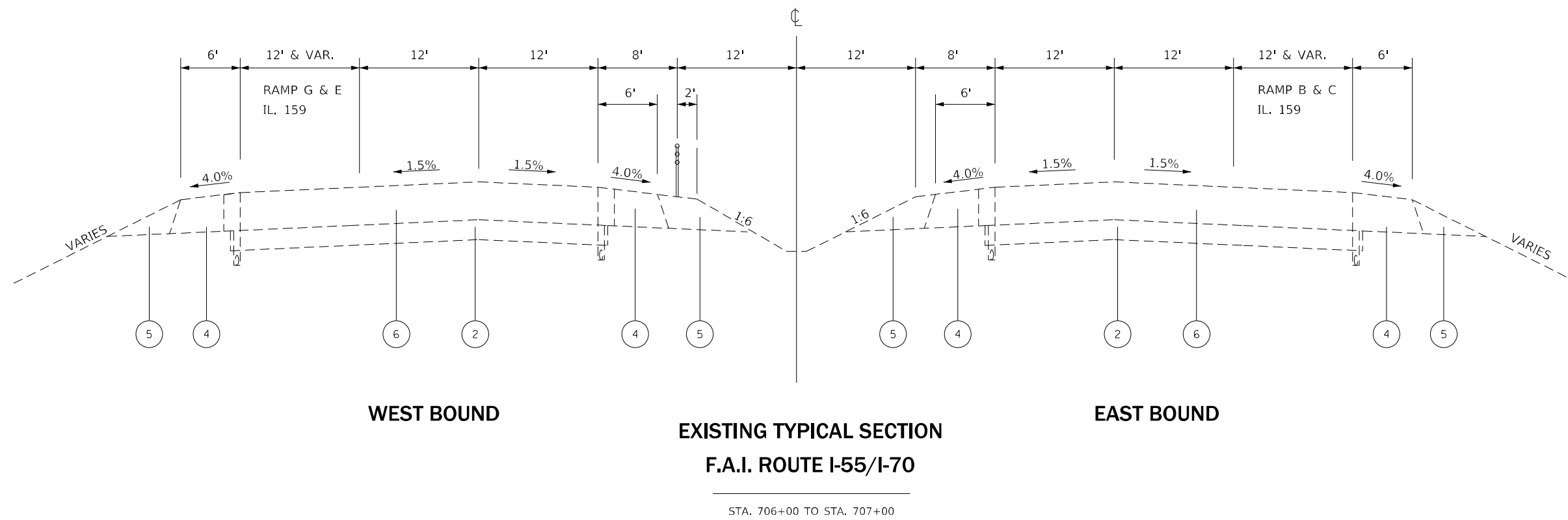
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-BWS-PP-1	MADISON	7	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76P35	



LEGEND

- ① EXISTING PCC PAVEMENT 10"
- ② EXISTING SUB-BASE GRANDULAR MATERIAL, TYPE A, 8"
- ③ EXISTING HMA SURFACE, 6"
- ④ EXISTING HMA SHOULDERS - VAR. DEPTH
- ⑤ EXISTING AGGREGATE WEDGE SHOULDER
- ⑥ EXISTING PCC PAVEMENT 14"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-BWS-PP-1	MADISON	7	5
CONTRACT NO. 76P35				
ILLINOIS FED. AID PROJECT				

CLASS B PATCHING 10" SCHEDULE

WEIGH STATION	LENGTH	WIDTH	CLASS B PATCHING		SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS	WELDED WIRE REINFORCEMENT
			TY-III	TY-IV				
	FT	FT	SQ YDS	SQ YDS	FT	EACH	EACH	SQ YDS
WESTBOUND WEIGH STATION ENTRANCE RAMP	25	20		56	110	36	17	56
	12	16	21		72	28		21
	13	16	23		74	28		23
SUB TOTAL :			44	56	256	92	17	100
PROJECTED FAILURES 20%			9	11	51	18	3	20
TOTAL :			53	67	307	110	20	120

CLASS B PATCHING 16"

WEIGH STATION	LENGTH	WIDTH	CLASS B PATCHING		SAW CUTS	DOWEL BARS 1 1/2"	WELDED WIRE REINFORCEMENT
			TY-II	TY-IV			
	FT	FT	SQ YDS	SQ YDS	FT	EACH	SQ YDS
WB ENTRANCE RAMP	15	16		27	78	28	27
WB WEIGH STATION EXIT RAMP	7	16	12		62	28	12
	5	16	9		58	28	9
	15	16		27	78	28	27
	5	16	9		58	28	9
	7	16	12		62	28	12
	7	16	12		62	28	12
	7	16	12		62	28	12
	15	16		27	78	28	27
	5	16	9		58	28	9
	15	16		27	78	28	27
	15	16		27	78	28	27
	16	16		28	80	28	28
	SUB TOTAL :			76	135	814	336
PROJECTED FAILURES 20%			15	27	163	67	42
TOTAL :			92	162	977	403	254

PAVEMENT MARKING SCHEDULE

STATION	LENGTH	PAINT PAVEMENT MARKING LINE 4"	
		WHITE	YELLOW
		SOLID LINE	NO PASSING
FOOT		FOOT	FOOT
WEIGH STATION			
13+50	TO 45+50	3200.0	6400
SUB TOTAL :		6400	6400
TOTAL :		12800	

CLASS A PATCHING 14"

LOCATION	LENGTH	WIDTH	CLASS A PATCHING	SAW CUTS	PATCHING REINFORCEMENT
			TY-III		
		FT	FT	FT	SQ YDS
EB I-55/I-70		12	12	84	16
STA. 706+49					
TOTAL :			16	84	16

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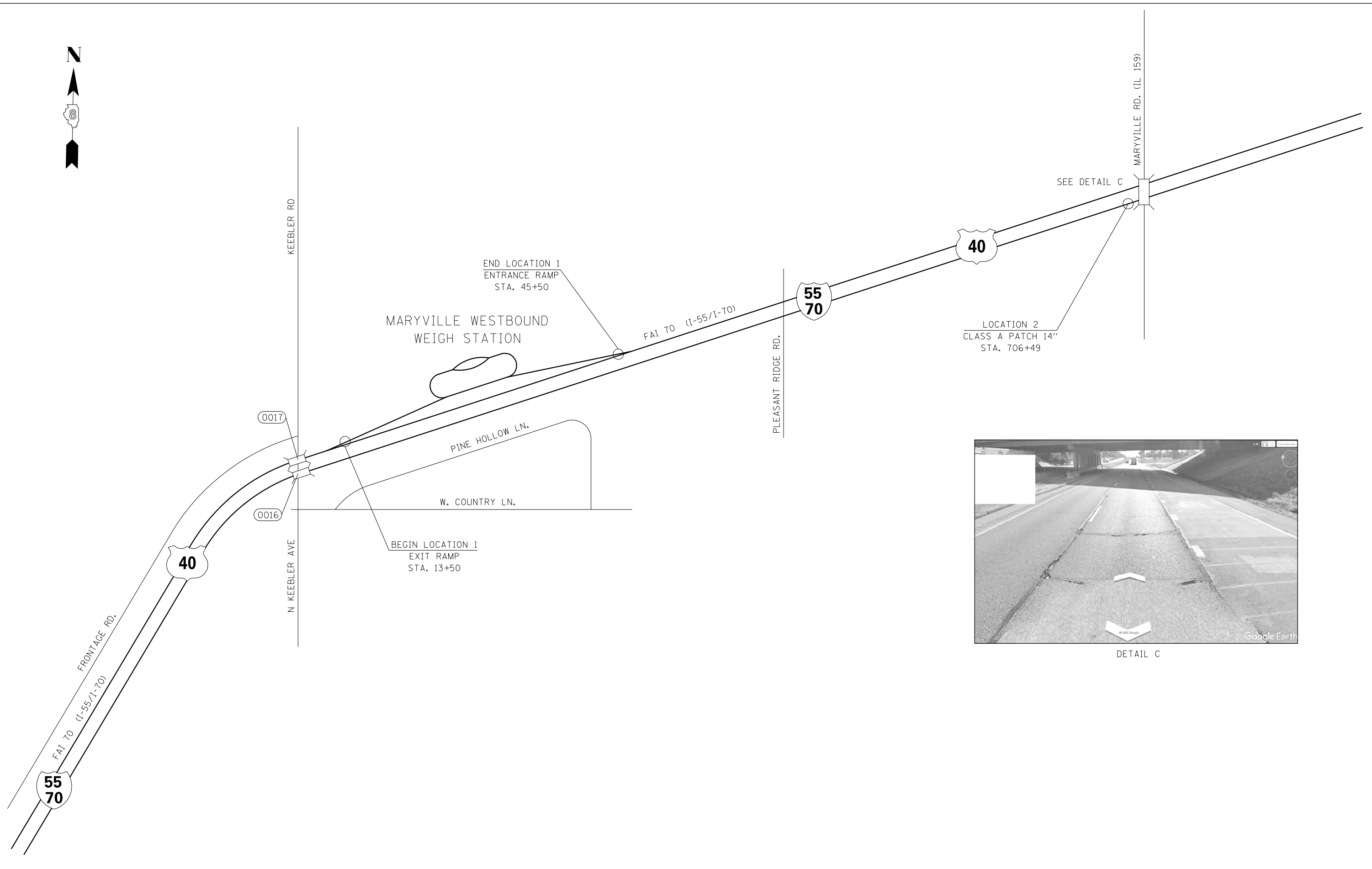
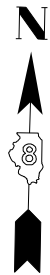
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-BWS-PP-1	MADISON	7	6
CONTRACT NO. 76P35				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-BWS-PP-1	MADISON	7	7
CONTRACT NO. 76P35				
ILLINOIS FED. AID PROJECT				