

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAI ROUTE 255 (I 255)  
SECTION 67-(1,2,3)-I, 82-(7,8)-I  
PROJECT HSIP-9Y03(690)

**SHOULDER RESURFACING & RUMBLE STRIP INSTALLATION  
FROM MISSISSIPPI RIVER TO IL 3 DUPO  
MONROE, ST. CLAIR COUNTIES**

C-98-216-18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	67-0,2,3-I, 82-17,8-I	****	9	1
ILLINOIS CONTRACT NO. 76J29				

\*\*\*\* - MONROE/ST. CLAIR COUNTIES

D-88-082-15



FOR INDEX OF SHEETS, SEE SHEET NO. 2

**TRAFFIC DATA**

MISSISSIPPI RIVER TO IL 3 (COLUMBIA)  
2018 ADT = 48,400  
2038 ADT = 49,400  
SU = 3.1% MU = 11.9%

IL 3 COLUMBIA TO S. MAIN ST (DUPO)  
2018 ADT = 52,100  
2038 ADT = 68,800  
SU = 2.7% MU = 10.6%

S. MAIN ST (DUPO) TO IL 3 (CAHOKIA)  
2018 ADT = 66,800  
2038 ADT = 88,500  
SU = 2.3% MU = 8.1%

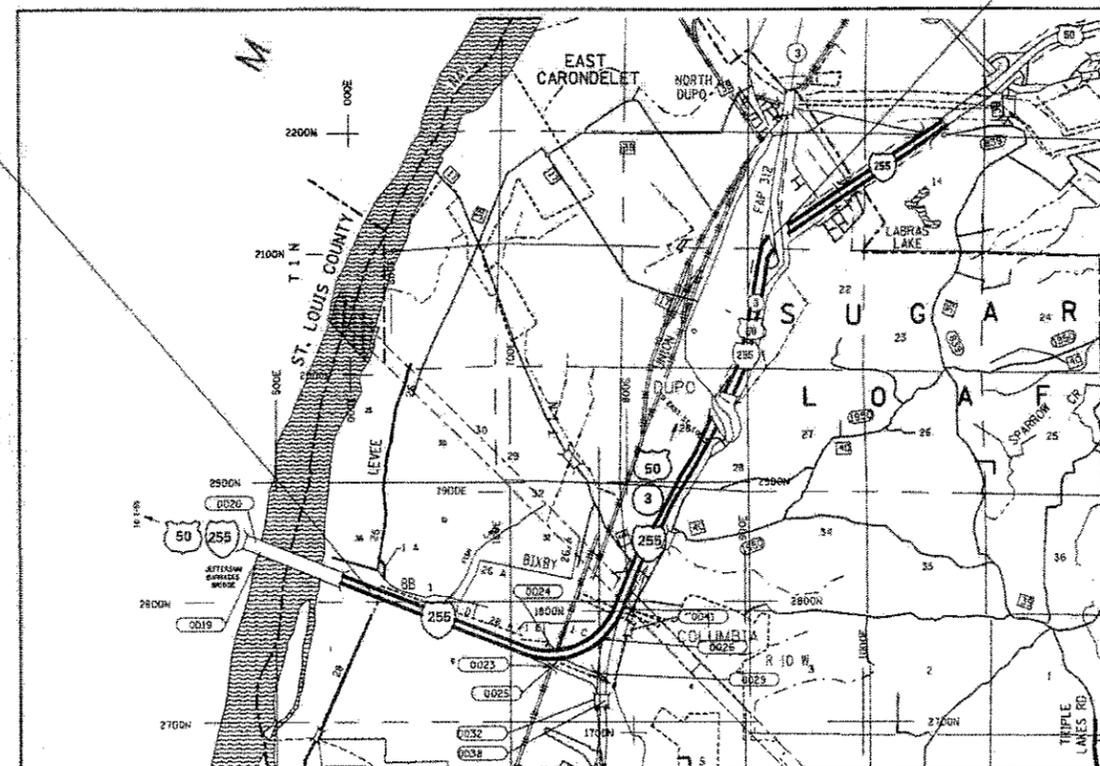
**BRIDGE OMISSION**

STRUCTURE 067-0023 - NORTHBOUND  
STA. 260+37 TO 263+54 (317 FT)  
STRUCTURE 067-0024 - NORTHBOUND  
STA. 280+96 TO 283+08 (1212 FT)

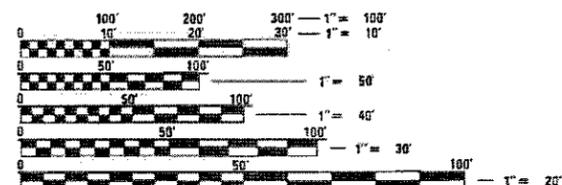
STRUCTURE 067-0023 - SOUTHBOUND  
STA. 258+26 TO 265+12 (686 FT)

BEGIN PROJECT  
STA. 159+00  
38°31'45.61" N  
90°11'49.59" W

END PROJECT  
STA. 502+20  
38°20'02.69" N  
90°15'58.72" W



SUGAR LOAF TOWNSHIP - ST. CLAIR COUNTY  
ROAD DISTRICT 5 - MONROE COUNTY

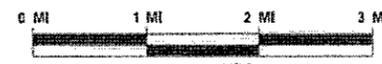


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 76J29



GROSS LENGTH = 34320 FT. = 6.5 MILE  
NET LENGTH = 33105 FT. = 6.27 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Doc 1* 20 *17*  
*Jeffrey Z. Kammer*  
REGIONAL ENGINEER

*Feb 2* 20 *18*  
*etc*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Paul P. Ch...*  
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6-8 SCHEDULE OF QUANTITIES
- 9 CHANGEABLE MESSAGE BOARD LOCATIONS

LIST OF STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 642001-02 SHOULDER RUMBLE STRIPS, 16 INCH
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-11 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
- 701901-07 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL 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.
2. 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.
3. 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.
4. PATCHING ALONG THE SHOULDER SHALL BE PAID FOR AS PAVED SHOULDER REMOVAL FOR THE REMOVAL OF EXISTING SHOULDER MATERIAL, AND HOT-MIX ASPHALT SHOULDERS, 9" FOR REPLACEMENT OF MATERIAL. THE LOCATIONS OF THE PATCHING AREAS AS SHOWN IN THE PLANS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
5. FOUR CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN UP FOR THE DURATION OF THE PROJECT. THE CHANGEABLE MESSAGE BOARD SHALL BE PLACED AS SHOWN ON SHEET 9 OF 9 OR AT THE DIRECTION OF THE ENGINEER.
6. ANY EDGE LINE PAVEMENT MARKING THAT IS DAMAGED/REMOVED DURING WORK SHALL BE REPLACED IN KIND BY THE CONTRACTORS AT THE CONTRACTORS EXPENSE.
7. SHOULDER MILLING AND RESURFACING OPERATIONS SHALL EXTEND TO 1' AWAY FROM THE FACE OF THE EXISTING GUARDRAIL AND CONCRETE BARRIER LOCATIONS, OR AS APPROVED BY THE ENGINEER. WHEN NECESSARY.

8. 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.

9. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAI 255
SECTION	67(1,2,3)-1, 82-(7,8)-1
COUNTY	ST. CLAIR, MONROE
CONTRACT	76J29

DESCRIPTION	Resurfacing existing shoulder and rumble strip installation on I-255 from the Mississippi River to IL 3 (Dupo)
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MIXTURE USE	SHOULDERS REPLACEMENT ≥ 2.25"	SHOULDERS RESURFACING < 2.25"
AC/PG	PG64-22	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)	IL 19.0L	IL 9.5L
FRICITION AGG		
QUALITY MGMT PROGRAM	QCP	QCP

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

COMMITMENTS  
NONE

\*\*\*\* - MONROE/ST. CLAIR COUNTIES

FILE NAME =	USER NAME = chidsl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES &amp; COMMITMENTS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 8\Projects\0876\DRAWING\DATA\EA\Sheets\0876J29-sht-plen.dwg		DRAWN	REVISED			255	67-(1,2,3)-1, 82-(7,8)-1	***	9	2
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76J29				
	PLOT DATE = 11/29/2017	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

90% FEDERAL  
10% STATE  
CONSTRUCTION CODE

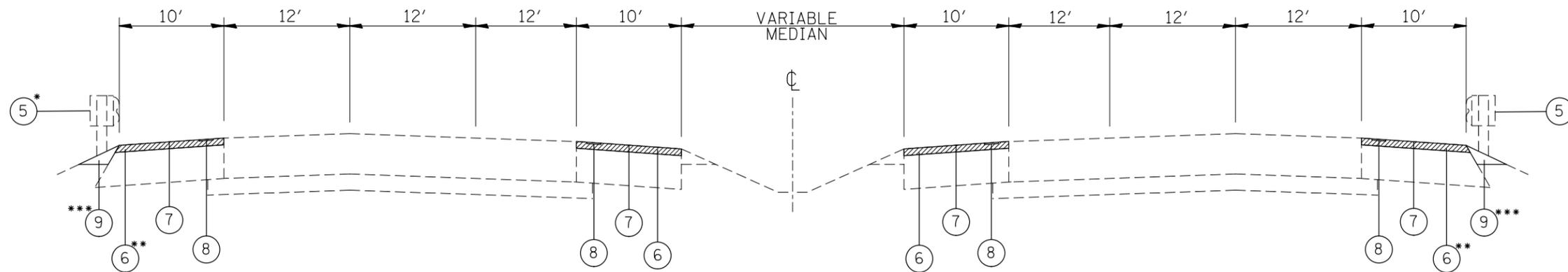
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MONROE COUNTY	ST. CLAIR COUNTY
				ROADWAY 0021 URBAN	ROADWAY 0021 URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	67	67	0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	142263	67701	74562
44004250	PAVED SHOULDER REMOVAL	SQ YD	570	261	309
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1685	805	880
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	570	261	309
48203100	HOT-MIX ASPHALT SHOULDERS	TON	11950	5687	6263
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	129936	62698	67238
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	1.5	1.5
67100100	MOBILIZATION	LSUM	1	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	0.5	0.5
∅ 30076000	TRAINEES	HOOR	500	500	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1	0.5	0.5
∅ 30076004	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	360	180	180

∅ 0042

\*\*\*\* - MONROE/ST. CLAIR COUNTIES

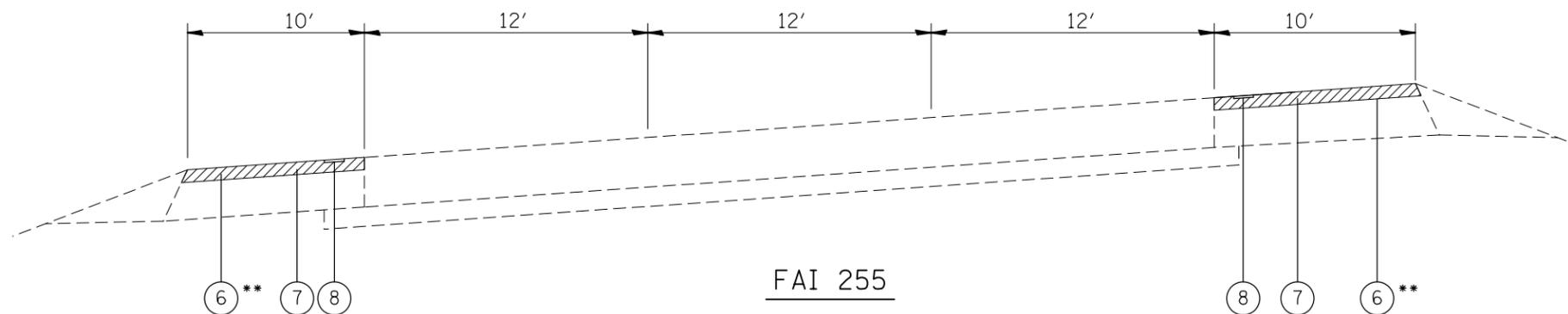
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pw\\NLB4EBID\INTEG.illinois.gov\PIWID\Documents\DOT Offices\District 8\Projects\0875\DRAWING\DATA\LEADsheets\0876J29-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		255	67-(1,2,3)-1, 82-(7,8)-1	****	9	3				
#MODELNAME#	PLOT DATE = 11/29/2017	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76J29			
										ILLINOIS FED. AID PROJECT			





**FAI 255**

STA 159+00 TO STA. 251+89  
 STA 300+65 TO STA. 502+20



**FAI 255**

STA 251+89 TO STA. 258+26  
 STA 258+26 TO STA. 265+12 (BRIDGE OMISSION) - SB  
 STA 260+37 TO STA. 263+54 (BRIDGE OMISSION) - NB  
 STA 263+54 TO STA. 280+96  
 STA 280+96 TO STA. 283+08 (BRIDGE OMISSION) - NB  
 STA 283+08 TO STA. 300+65

**LEGEND**

- ① EXISTING C.R.P.C.C. PAVEMENT 9"
- ② EXISTING BITUMINOUS SHOULDERS 9"
- ③ EXISTING AGGREGATE SHOULDERS, TYPE B
- ④ EXISTING STABILIZED SUB-BASE, 4"
- ⑤ EXISTING GUARDRAIL
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1.5"
- ⑦ PROPOSED HMA SHOULDERS, 1.5"
- ⑧ PROPOSED RUMBLE STRIPS, 16"
- ⑨ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

\*EXISTING GUARDRAIL LOCATION VARIES

\*\*FOR EXISTING GUARDRAIL LOCATIONS, HMA SURFACE REMOVAL SHALL EXTEND TO 1' AWAY FROM THE FACE OF GUARDRAIL OR CONCRETE BARRIER.

\*\*\*SEE SCHEDULES FOR LOCATIONS FOR PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B.

\*\*\*\* - MONROE/ST. CLAIR COUNTIES

FILE NAME =	USER NAME = childsl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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#MODELNAME#	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -		CONTRACT NO. 76J29							
	PLOT DATE = 11/29/2017	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



FULL DEPTH SHOULDER PATCHING SCHEDULE															
NORTHBOUND I-255			LT/RT	LENGTH FEET	WIDTH FEET	PAVED SHOULDER REMOVAL SQ YD	HOT-MIX ASPHALT SHOULDERS, 9" SQ YD	SOUTHBOUND I-255			LT/RT	LENGTH FEET	WIDTH FEET	PAVED SHOULDER REMOVAL SQ YD	HOT-MIX ASPHALT SHOULDERS, 9" SQ YD
STA	TO	STA						STA	TO	STA					
MONROE COUNTY															
296+28	TO	296+58	GORE	30	12	40.0	40.0	433+56	TO	433+66	GORE	10	4	4.4	4.4
ST. CLAIR COUNTY															
396+60	TO	396+72	GORE	12	4	5.3	5.3	248+20	TO	248+50	RT	30	10	33.3	33.3
								249+85	TO	250+25	RT	40	10	44.4	44.4
MONROE COUNTY															
SUBTOTAL															
159+00	TO	159+10	RT	10	9	10.0	10.0	ST. CLAIR COUNTY							
174+84	TO	174+96	RT	12	5	6.7	6.7								
306+84	TO	307+04	RT	20	4	8.9	8.9	216+96	TO	217+08	LT	12	10	13.3	13.3
312+12	TO	312+32	RT	20	5	11.1	11.1	211+60	TO	211+80	LT	20	10	22.2	22.2
SUBTOTAL						36.7	36.7	208+96	TO	209+16	LT	20	10	22.2	22.2
								205+82	TO	206+52	LT	70	5	38.9	38.9
ST. CLAIR COUNTY															
								201+04	TO	201+24	LT	20	10	22.2	22.2
								190+48	TO	190+68	LT	20	10	22.2	22.2
364+92	TO	365+32	RT	40	5	22.2	22.2	SUBTOTAL							
370+20	TO	370+60	RT	40	5	22.2	22.2								
SUBTOTAL						44.4	44.4								
MONROE COUNTY															
169+56	TO	169+86	LT	30	10	33.3	33.3								
170+61	TO	170+91	LT	30	6	20.0	20.0								
171+67	TO	171+97	LT	30	4	13.3	13.3								
172+72	TO	173+02	LT	30	4	13.3	13.3								
173+78	TO	174+08	LT	30	10	33.3	33.3								
174+48	TO	174+96	LT	48	4	21.3	21.3								
280+44	TO	280+54	LT	10	10	11.1	11.1								
SUBTOTAL						145.8	145.8								
SUBTOTAL															
15% ALLOWANCE FOR FAILURE						40.8	40.8	15% ALLOWANCE FOR FAILURE						33.5	33.5
NORTHBOUND TOTAL:						313.1	313.1	SOUTHBOUND TOTAL:						256.8	256.8

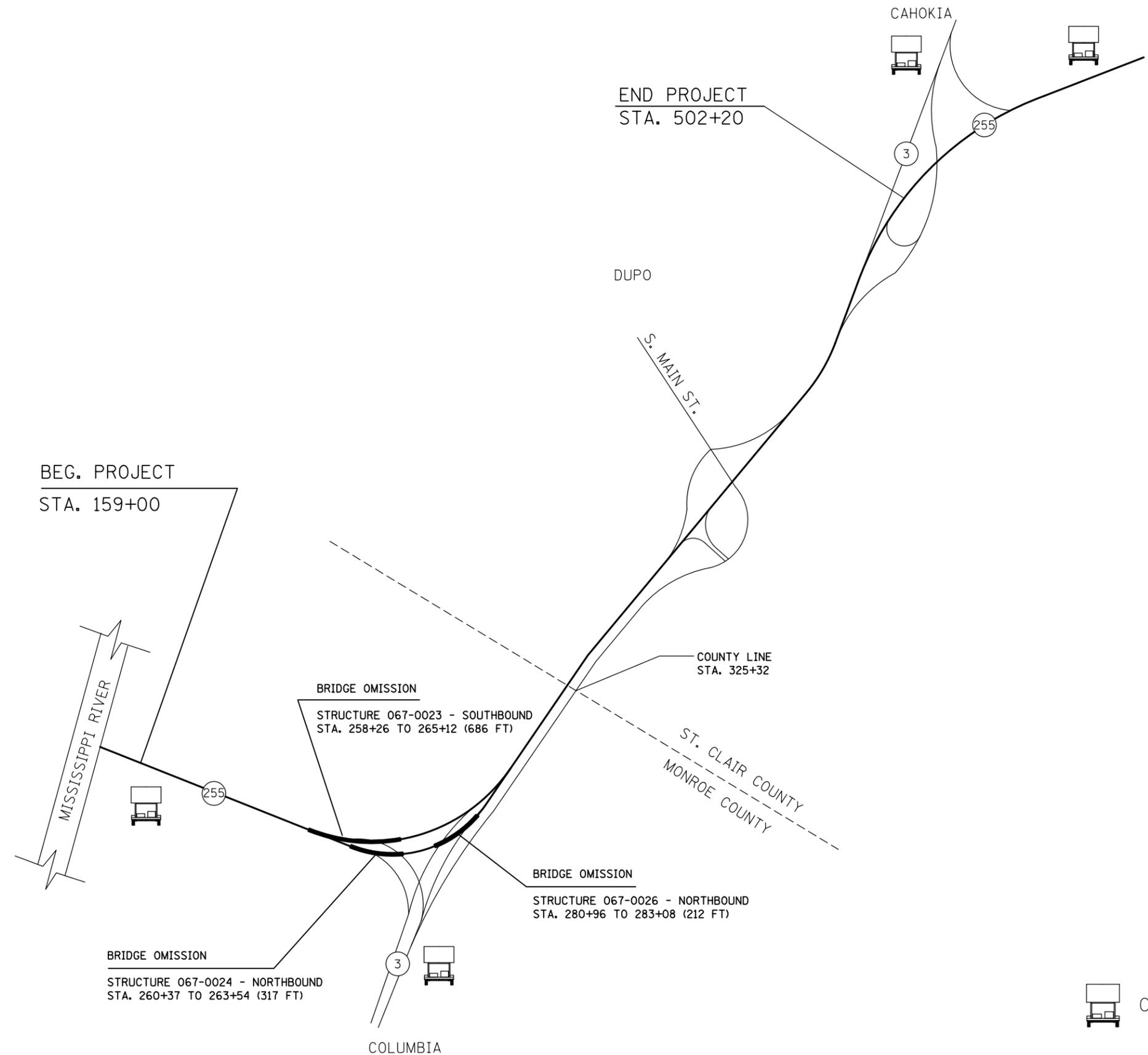
FULL DEPTH SHOULDER PATCHING SCHEDULE		
	PAVED SHOULDER REMOVAL SQ YD	HOT-MIX ASPHALT SHOULDERS, 9" SQ YD
NORTHBOUND I-255	313.1	313.1
SOUTHBOUND I-255	256.8	256.8
TOTAL	570	570

FULL DEPTH SHOULDER PATCHING SCHEDULE		
	PAVED SHOULDER REMOVAL SQ YD	HOT-MIX ASPHALT SHOULDERS, 9" SQ YD
MONROE COUNTY (NB)	222.4	222.4
MONROE COUNTY (SB)	4.4	4.4
SUBTOTAL MONROE COUNTY	226.9	226.9
15% ALLOWANCE FOR FAILURE	34.0	34.0
TOTAL MONROE COUNTY	260.9	260.9
ST. CLAIR COUNTY (NB)	49.8	49.8
ST. CLAIR COUNTY (SB)	218.9	218.9
SUBTOTAL ST. CLAIR COUNTY	268.7	268.7
15% ALLOWANCE FOR FAILURE	40.3	40.3
TOTAL ST. CLAIR COUNTY	309.0	309.0
TOTAL	570	570

OMITTED STRUCTURES IN THE PROJECT LIMIT		
STA.		STRUCTURE NO.
SOUTHBOUND		
258+26	BRIDGE OMISSION	067-0023
NORTHBOUND		
260+37	BRIDGE OMISSION	067-0024
280+96	BRIDGE OMISSION	067-0026

\*\*\*\* - MONROE/ST. CLAIR COUNTIES





CHANGEABLE MESSAGE BOARDS

\*\*\*\* - MONROE/ST. CLAIR COUNTIES

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CHANGEABLE MESSAGE BOARD LOCATIONS			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	67-(1,2,3)-I, 82-(7,8)-I	****	9	9
				CONTRACT NO. 76J29
ILLINOIS FED. AID PROJECT				