04-27-2018 LETTING ITEM 108

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

D-97-030-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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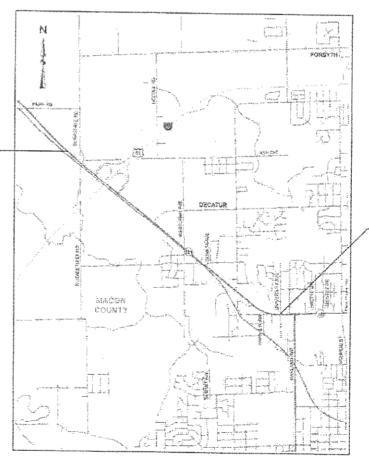
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 320 (ILL 121) SECTION D7 PATCHING 2018-8 PATCHING MACON COUNTY

C-97-065-18

END PROJECT 1517'

NORTH OF BEARSDALE RD.



UNIVERSITY AVE.

BEGIN PROJECT AT

6 160: 200' 300' 1'=100'

50' 100'

100' 1'=50'

50' 100'

100' 1'=40'

100' 100' 1'=30'

100' 100' 1'=20'

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: TOM RONAN PROJECT MANAGER: RUSS WALKER PHONE: (217) 342–8258

CONTRACT NO. 74843

GROSS LENGTH = 14361.60 FT. = 2.720 MILE NET LENGTH = 14361.60 FT. = 2.720 MILE STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Z - 7 20 B

REGIONAL ENGINEER

ENGINEER OF DESIGN AND ENVIRONMENT

PROJECT OF HIGHWAYS PROJECT IMPLEMENTATION

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.

ITEM

COVER SHEET

INDEX OF SHEETS, GENERAL NOTES,

SCHEDULE OF QUANTITIES AND DETECTOR LOOP TABLE

SUMMARY OF QUANTITIES

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 3:

STD. NO.	DESCRIPTION
000001-06	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
442101-08	CLASS B PATCHES
701101-05	OFF-ROAD OPERATIONS, MULTI-LANE,15' TO 24" FROMPAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 2 45 MPH
701411-09	LANE CLOSURE, MULTI-LANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS 2 45 MPH
701422-10	LANE CLOSURE, MULTI-LANE, FOR SPEEDS 2 45 MPH TO 55 MPH
701601-09	URBAN LAME CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701901-07	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

GENERAL NOTES

THIS PROJECT IS LOCATED ON ILLINOIS ROUTE 121 IN MACON COUNTY. THE PROJECT STARTS

AT UNIVERSITY AVENUE IN DECATUR AND EXTENDS NORTHWEST FOR 2.72 MILES TO 1517 FEET

NORTH OF BEARSDALE RD. THE WORK INCLUDED IN THIS SECTION CONSISTS OF CLASS B PAVEMENT

PATCHING, TRAFFIC CONTROL AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

URBAN/RURAL SPLIT - EVERYTHING NORTH OF BEARSDALE RD. IS RURAL. EVERYTHING SOUTH OF BEARSDALE RD. IS URBAN.

THE ACTUAL LOCATIONS OF PAYEMENT PATCHING AND FINAL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AN ESTIMATED QUANTITY OF DETECTOR LOOPS, TYPE I HAS BEEN INCLUDED TO REPLACE ANY DETECTOR LOOPS THAT ARE WITHIN THE LIMITS OF A PATCH. THE ACTUAL LOCATIONS OF DETECTOR LOOPS AND FINAL QUANTITIES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

SCHEDULE OF QUANTITIES

PATCHING SCHEDULE	NUMBER OF PATCHES	CLASS B PATCHES, TYPE II, 10"	CLASS B PATCHES, TYPE III, 10"	CLASS B PATCHES, TYPE IV, 10"	DOWEL BARS 1 1/2"	WELDED WIRE REINFORCEMENT	SAW CUTS
RURAL		30 10	3u 1D	30 TU	EACH	30 10	FUUT
NONAL	 						
NORTHBOUND	4	32.0	20.0	25.3	120.0	45.3	341.0
SOUTHBOUND	8	64.0	-	-	160.0	-	396.0
RURAL TOTAL	12	96.0	20.0	25.3	280.0	45.3	737.0
URBAN							
NORTHBOUND	60	485.4	20.0	25.3	1240.0	45.3	3121.0
SOUTHBOUND	108	874.7	-	-	2160.0	-	5362.0
URBAN TOTAL	168	1360,1	20.0	25.3	3400.0	45.3	8483.0
PROJECT TOTALS	180	1456.1	40.0	50,6	3680.0	90,6	9220.0
ROUND TO	180	1457	40	51	3680	91	9220

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

L	6 X	6	6 X	30	6 X	40	LOOF	SIZE
			0	491	0	627	2 1	TURNS
			492	982	628	1255	3 1	FURNS
	0	545	983	1636	1256	2091	4 1	TURNS
	546	818	1637	2455	2092	3136	5 1	TURNS
	819	1145	2456	3436			6 1	FURNS
	1146	1527			ļ		7 1	FURNS
	1528	1964					8 1	TURNS
	1965	2455	4				9 1	TURNS
L	2456	3000					10	TURNS

USER NAME = steffenmk	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/2/2018	DATE -	REVISED .	

SCALE:

100 % STATE

100 % STATE

SUMMARY OF QUANTITIES		TOTAL	0006	0006	}		SUMMARY OF QUANTITIES	•				
	UNIT	QUANTITIES	RURAL	URBAN	co	DE NO	ITEM	UNIT	TOTAL QUANTITIES	0006 RURAL	0006 URBAN	
								- GATT	GUARTITIES		J. J.	
WELDED WIRE REINFORCEMENT	SO YD	91	45	46	701	103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	12		12	
CLASS B PATCHES, TYPE II. 10 INCH	SQ YD	1457	96	1361	* 886	500100	DETECTOR LOOP, TYPE I	FOOT	500		500	
CLASS B PATCHES, TYPE III, 10 INCH	SO YD	40	20	20	X70	015005	CHANGEABLE MESSAGE SIGN	CAL DAY	28	14	14	
			-									
CLASS B PATCHES, TYPE IV. 10 INCH	SQ YD	51	25	26								
DOWEL BARS 1 1/2"	EACH	3680	280	3400								
SAW CUTS	FOOT	9220	737	8483		-						
TIE BARS 3/4"	EACH	32	16	16								
MOBILIZATION	L SUM	1	0.5	0.5								<u>.</u>
TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1		1								
701422												
RAFFIC CONTROL AND PROTECTION, STANDARD	EACH	2		2								
701411												
RAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1									
701201												
RAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1		1								 .
01601		-								_		
	CLASS B PATCHES, TYPE III. 10 INCH CLASS B PATCHES, TYPE III. 10 INCH CLASS B PATCHES, TYPE IV. 10 INCH COWEL BARS 1 1/2" COMEL BARS 3/4" COBILIZATION RAFFIC CONTROL AND PROTECTION, STANDARD CO1422 RAFFIC CONTROL AND PROTECTION, STANDARD CO1411 RAFFIC CONTROL AND PROTECTION, STANDARD CO1201 RAFFIC CONTROL AND PROTECTION, STANDARD	CLASS B PATCHES, TYPE 11. 10 INCH CLASS B PATCHES, TYPE 111, 10 INCH CLASS B PATCHES, TYPE 1V, 10 INCH SQ YD CLASS B PATCHES, TYPE 1V, 10 INCH SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH SQ YD CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH EACH OBILIZATION L SUM CO1421 CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH EACH CONTROL AND PROTECTION, STANDARD L SUM CO1421 CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH EACH EACH CONTROL AND PROTECTION, STANDARD L SUM CO1421 CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH EACH EACH EACH CONTROL AND PROTECTION, STANDARD L SUM CO1421 CLASS B PATCHES, TYPE 111, 10 INCH SQ YD EACH E	CLASS B PATCHES, TYPE III, 10 INCH CLASS B PATCHES, TYPE III, 10 INCH CLASS B PATCHES, TYPE III, 10 INCH CLASS B PATCHES, TYPE IV, 10 INCH SQ YD 51 CLASS B PATCHES, TYPE III, 10 INCH SQ YD 51 CLASS B PATCHES, TYPE III, 10 INCH SQ YD 51 CLASS B PATCHES, TYPE III, 10 INCH SQ YD 61 62 64 64 65 66 67 68 68 68 68 68 68 68 68	CLASS B PATCHES, TYPE III, 10 INCH S0 YD 1457 96 CLASS B PATCHES, TYPE III, 10 INCH S0 YD 40 20 CLASS B PATCHES, TYPE IV, 10 INCH S0 YD 51 25 COWEL BARS 1 1/2" EACH 3680 280 CAW CUTS FOOT 9220 737 IE BARS 3/4" EACH 32 16 COBILIZATION L SUM 1 0.5 RAFFIC CONTROL AND PROTECTION, STANDARD L SUM 1 COLORED CONTROL AND PROTECTION, STANDARD EACH 2 COLORED CONTROL AND PROTECTION, STANDARD L SUM 1 CRAFFIC CONTROL AND PROTECTION, STANDARD L SUM 1	CLASS B PATCHES, TYPE III. 10 INCH S0 YD 1457 96 1361 CLASS B PATCHES, TYPE III. 10 INCH S0 YD 40 20 20 CLASS B PATCHES, TYPE IV. 10 INCH S0 YD 51 25 26 COWEL BARS 1 1/2" EACH 3680 280 3400 AW CUTS FOOT 9220 737 8483 TE BARS 3/4" EACH 32 16 16 COBILIZATION L SUM 1 0.5 0.5 CRAFFIC CONTROL AND PROTECTION, STANDARD L SUM 1 1 COLUMN 1 2 2 COLUMN 1 1 1 COLUMN 1 1 1 1	STATE STAT	CLASS B PATCHES, TYPE 11. 10 INCH SO YD 1457 96 1361 \$\infty 88600100 \$\infty	TLASS B PATCHES, TYPE III. 10 INCH SO YO 1457 96 1361 W 88600100 DETECTOR LOOP, TYPE I X7015005 CHANGEABLE MESSAGE SIGN X7015005 X	LASS B PATCHES, TYPE II, 10 INCH SO YD 1457 96 1361	LASS B PATCHES, TYPE III. 10 INCH SO YO 1457 96 1361 88800100 DETECTOR LOOP, TYPE I FOOT 500 LASS B PATCHES, TYPE III. 10 INCH SO YO 40 20 20 XT015005 CHANGEABLE NESSAGE SIGN CALLBAY 28 LASS B PATCHES, TYPE III. 10 INCH SO YO 51 25 26 26 OWEL BARS 1 1/2" EACH 3660 280 3400 AM CUIS FOOT 9220 737 8483 EACH 32 16 16 DIBLITATION L SIAN I 0.5 0.5 0.5 DRAFFIC CONTROL AND PROTECTION, STANDARD L SIAN I I I I I I I I I I I I I I I I I I	LASS B PATCHES, TYPE 11, 10 (NCH SO YD 1457 96 1361 88600100 DETECTOR LODP, TYPE 1 FOOT 500 LASS B PATCHES, TYPE 111, 10 (NCH SO YD 40 20 20 X7015005 CHANCEABLE MESSAGE SION CAL DAY 28 14 LASS B PATCHES, TYPE 111, 10 INCH SO YD 51 25 26 CHANCEABLE MESSAGE SION CAL DAY 28 14 LASS B PATCHES, TYPE IV, 10 INCH SO YD 51 25 26 CHANCEABLE MESSAGE SION CAL DAY 28 14 ANY CUTS FOOT 9220 737 8493 LE BARS 3/4" EACH 32 16 16 CHANCEABLE MESSAGE SION CAL DAY 28 14 CHANCEABLE MESSAGE SION CAL DAY 28 CHANCEABLE MESSAGE SION CAL DAY 28 14 CHANCEABLE MESSAGE SION CAL DAY 28 CHANCEABLE MESSAGE SION CAL DAY 28 14 CHANCEABLE MESSAGE SION CAL DAY 28 CHANCEABLE MESSAGE SION CAL DAY 28 14 CHANCEABLE MESSAGE SION CAL DAY 28 CHANCEABLE MESSAGE SION CAL DAY 28 14 CHANCEABLE MESSAGE SION CAL DAY 28	ALASS B PATCHES, TYPE II, 10 INCH \$0.70 1497 96 1361 \$8660100 \$77019000

40.00

REVISED

DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 1 OF 1 SHEETS STA.

TO STA.