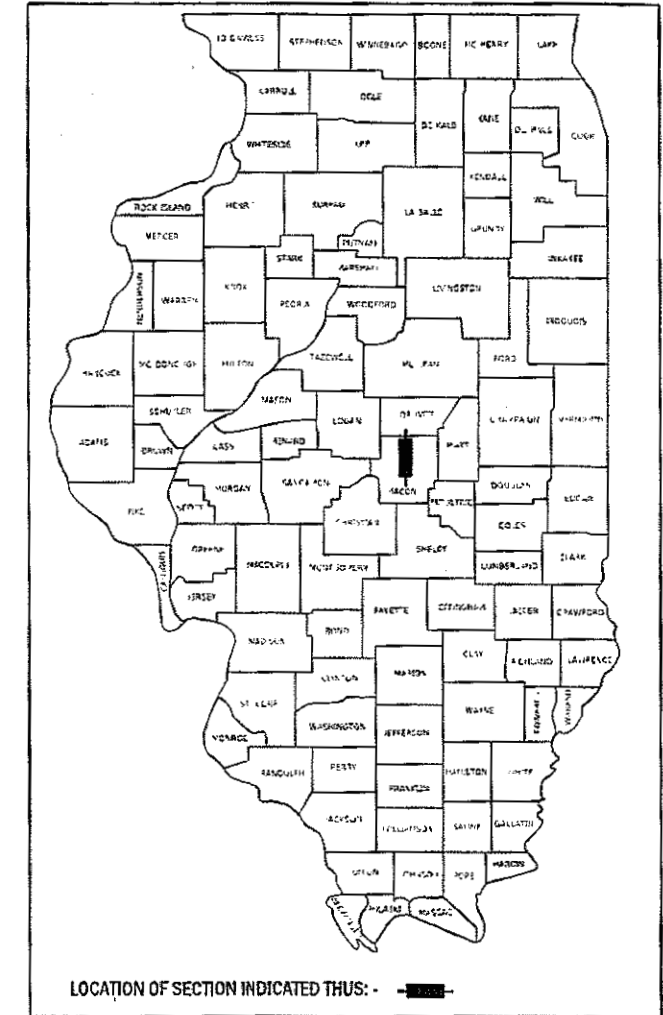


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 PATCHING 2018-2	MACON	5	1
		ILLINOIS	CONTRACT NO. 74803	

F.A.P. ROUTES 322 & 710

D-97-024-17



FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT URBAN SECTION = 25,100 (2015)
ADT RURAL SECTION = 12,300 (2015)

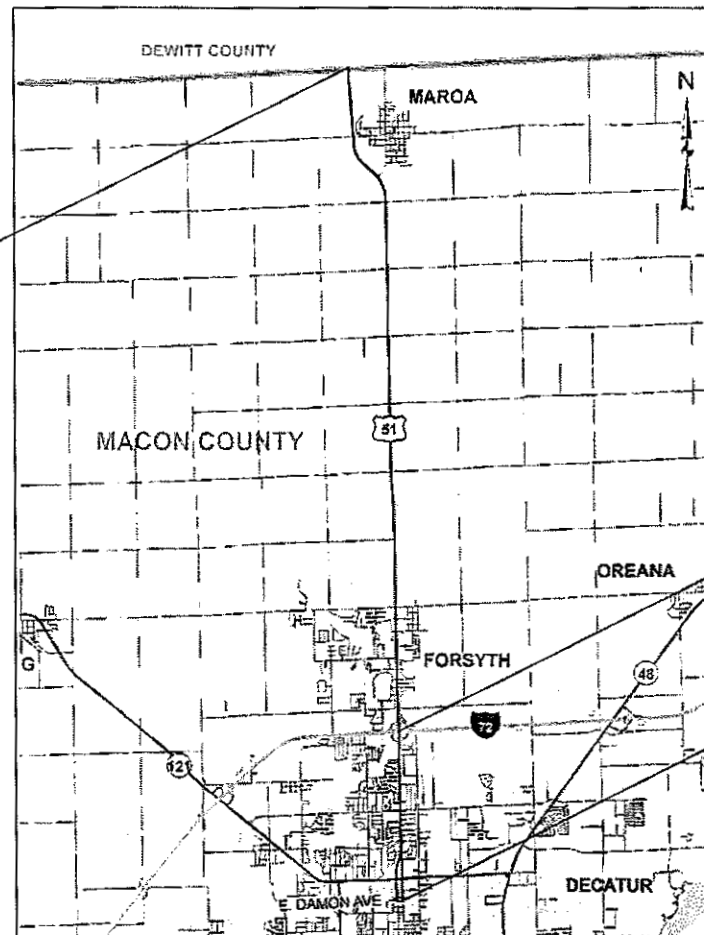
**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTES 322 & 710 (US 51)
SECTION D7 PATCHING 2018-2

PATCHING
MACON COUNTY

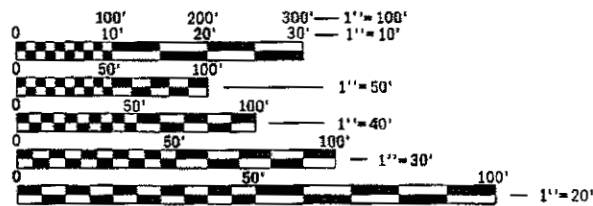
C-97-042-18

END PROJECT ON F.A.P. 322 AT
MACON/DEWITT COUNTY LINE



BEGIN F.A.P. 322
END F.A.P. 710

BEGIN PROJECT ON
F.A.P. 710 AT DAMON AVE.



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 ROMAN
PROJECT MANAGER: RUSS WALKER
PHONE: (217) 342-8258
CONTRACT NO. 74803

GROSS LENGTH = 66580.80 FT. = 12.610 MILE
NET LENGTH = 66580.80 FT. = 12.610 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED OCTOBER 18, 2017
Jeffrey M. South Ta
REGIONAL ENGINEER

November 30, 2017
Maureen M. Adde
ENGINEER OF DESIGN AND ENVIRONMENT

November 30, 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, AND DETECTOR LOOP TABLE
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5	LOCATION MAP

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 5:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
421001-03	BAR REINFORCEMENT FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
442001-04	CLASS A PATCHES
442101-08	CLASS B PATCHES
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
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
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

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

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON US ROUTE 51 IN MACON COUNTY. PATCHING STARTS AT E. DAMON AVENUE IN DECATUR AND EXTENDS NORTH 12.61 MILES TO THE MACON/DEWITT COUNTY LINE. THE WORK INCLUDED IN SECTION D7 PATCHING 2018-2 CONSISTS OF CLASS A AND CLASS B PAVEMENT PATCHING, DETECTOR LOOPS, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

ALL REINFORCEMENT BARS FOR CLASS A PATCHES SHALL BE #6 BARS.

URBAN/RURAL SPLIT - URBAN IS FROM DAMON AVE. TO 1100 FOOT NORTH OF WIDE FLANGE BEAM TERMINAL JOINT. RURAL IS FROM 1100 FEET NORTH OF THE WIDE FLANGE BEAM TERMINAL JOINT TO THE MACON/DEWITT COUNTY LINE.

URBAN LENGTH = 2.53 MILES
RURAL LENGTH = 10.08 MILES

THE ESTIMATED NUMBER OF PATCHES IS AS FOLLOWS:

	TYPE I	TYPE II	TYPE III	TYPE IV
NORTHBOUND:	3	102	5	2
SOUTHBOUND:	30	75	2	2

THE ACTUAL LOCATIONS OF PAVEMENT 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.

F.A.P. ROUTES 322 & 710

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES
& DETECTOR LOOP TABLE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 PATCHING 2018-2	MACON	5	2
			CONTRACT NO. 74803	
IL LINOIS FE DAID PROJECT				

100%
STATE

100%
STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		URBAN 0006	RURAL 0006	
44200050	WELDED WIRE REINFORCEMENT	SQ YD	100	100		
44200537	CLASS A PATCHES, TYPE I, 9 INCH	SQ YD	132		132	
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	260	43	217	
44200545	CLASS A PATCHES, TYPE III, 9 INCH	SQ YD	53		53	
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	93		93	
44200577	CLASS A PATCHES, TYPE II, 12 INCH	SQ YD	104	104		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	240	240		
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	27	27		
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	325	325		
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	21	21		
44201019	CLASS B PATCHES, TYPE II, 14 INCH	SQ YD	509	509		
44201023	CLASS B PATCHES, TYPE III, 14 INCH	SQ YD	52	52		
44201299	DOWEL BARS 1 1/2"	EACH	2780	2780		
44213000	PATCHING REINFORCEMENT	SQ YD	642	147	495	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		URBAN 0006	RURAL 0006	
44213200	SAW CUTS	FOOT	11040	7721	3319	
44213204	TIE BARS 3/4"	EACH	94	9	85	
67100100	MOBILIZATION	LSUM	1	0.5	0.5	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	4	4		
	701411					
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	0.5	0.5	
	701401					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1		
	701601					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1		
	701701					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	15	15	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	500	500		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14	

* SPECIALTY ITEM

MODEL: D:\BUIL\TEG\Illinois.gov\PWD\DOT\Documents\DOT_Offices\District 7\Projects\74803\CAD\Drawings\CAD\Sheet\74803-SP-500.dgn

14

10

F.A.P. ROUTES 322 & 710

USER NAME = steffenrik	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					VAR.	D7 PATCHING 2018-2	MACON	5	3	
PLOT DATE = 10/25/2017	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 74803	
	DATE	REVISED -		ILLINOIS FED. AID PROJECT								

SCHEDULE OF QUANTITIES

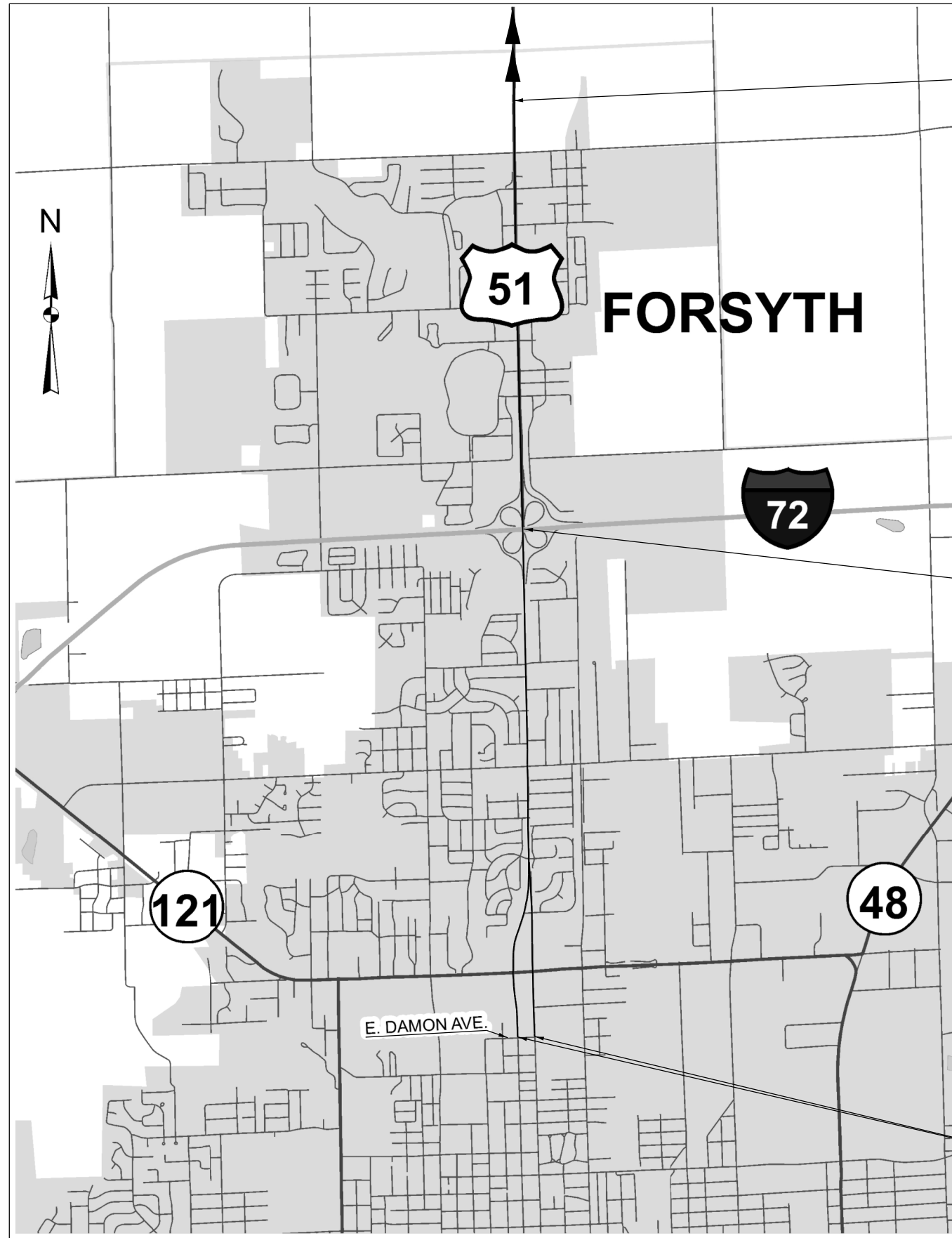
PATCHING SCHEDULE	CLASS A PATCHES, TYPE I, 9"	CLASS A PATCHES, TYPE II, 9"	CLASS A PATCHES, TYPE III, 9"	CLASS A PATCHES, TYPE IV, 9"	CLASS A PATCHES, TYPE II, 12"	CLASS B PATCHES, TYPE II, 10"	CLASS B PATCHES, TYPE IV, 10"	CLASS B PATCHES, TYPE II, 13"	CLASS B PATCHES, TYPE III, 13"	CLASS B PATCHES, TYPE II, 14"	CLASS B PATCHES, TYPE III, 14"	DOWEL BARS 1 1/2"	TIE BARS 3/4"	WELDED WIRE REINFORCEMENT	PATCHING REINFORCEMENT	SAW CUTS
URBAN	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	EACH	SQ YD	SQ YD	FOOT
NBTL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	74.5	0.0	240	0	0.0	0.0	528.0
NBRL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	80	0	0.0	0.0	198.0
NBDL	0.0	13.3	0.0	0.0	32.0	48.0	0.0	72.0	21.3	146.5	36.0	740	0	57.3	45.3	2143.0
NBPL	0.0	13.3	0.0	0.0	32.0	16.0	0.0	48.0	0.0	199.8	0.0	700	0	0.0	45.3	1856.0
SBRL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	0.0	8.0	0.0	140	0	0.0	0.0	457.5
SBDL	0.0	8.0	0.0	0.0	24.0	72.0	0.0	32.0	0.0	40.0	16.0	360	0	16.0	32.0	1155.0
SBPL	0.0	8.0	0.0	0.0	16.0	104.0	26.7	61.3	0.0	40.0	0.0	520	9	26.7	24.0	1383.5
URBAN TOTALS	0.0	42.6	0.0	0.0	104.0	240.0	26.7	325.3	21.3	508.8	52.0	2780	9	100.0	146.6	7721.0
RURAL																
NBDL	8.0	34.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	59.4	442.5
NBPL	4.0	30.0	20.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	65	0.0	120.7	568.5
SBDL	112.0	120.7	16.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	20	0.0	275.4	2052.0
SBPL	8.0	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	39.9	255.5
RURAL TOTALS	132.0	217.3	52.7	93.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	85	0.0	495.4	3318.5
PROJECT TOTALS	132.0	259.9	52.7	93.4	104.0	240.0	26.7	325.3	21.3	508.8	52.0	2780.0	94.0	100.0	642.0	11039.5
ROUND TO	132	260	53	93	104	240	27	325	21	509	52	2780	94	100	642	11040

MODEL: Default
 FILE: \\mhc-pw\ill08a\BID\NTEC\Illinois\gov\PIW\DOT\Documents\DOT_Offices\Director\74803\p1c-schedule.dgn

F.A.P. ROUTES 322 & 710

USER NAME = steffemk PLOT SCALE = 100.0000' / in. PLOT DATE = 10/25/2017	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	SCALE: SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. VAR.	SECTION D7 PATCHING 2018-2	COUNTY MACON	TOTAL SHEETS 5	SHEET NO. 4	CONTRACT NO. 74803 ILLINOIS FED. AID PROJECT
--	--	--	---	-------------------------------	--	---------------------	-------------------------------	-----------------	-------------------	----------------	---

NOTE: RURAL SECTION OMITTED TO SHOW
DETAIL OF URBAN SECTION.



WIDE FLANGE BEAM TERMINAL JOINT
AT BEGINNING OF CRC PAVEMENT

BEGIN F.A.P. 322 (U.S. 51)
END F.A.P. 710 (UNMARKED ROUTE)

BEGIN PROJECT AT DAMON AVE.
ON F.A.P. 710 (UNMARKED ROUTE)

MODEL: Default
 FILE: \\nas0101\B&E\BID\NTEC\Illinois\gov\PI\DOT\Documents\DOT_Offices\Director\7\Projects\74803\CADD\Map\CAD\akercs\ID74803-rl-location_map.dgn

F.A.P. ROUTES 322 & 710

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/25/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 PATCHING 2018-2	MACON	5	5
			CONTRACT NO. 74803	
		ILLINOIS	FED. AID PROJECT	