

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	D7 SEAL COAT 2021-2	VARIOUS	10	1
		ILLINOIS	CONTRACT NO. 74A51	

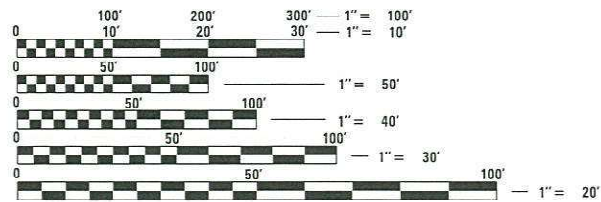
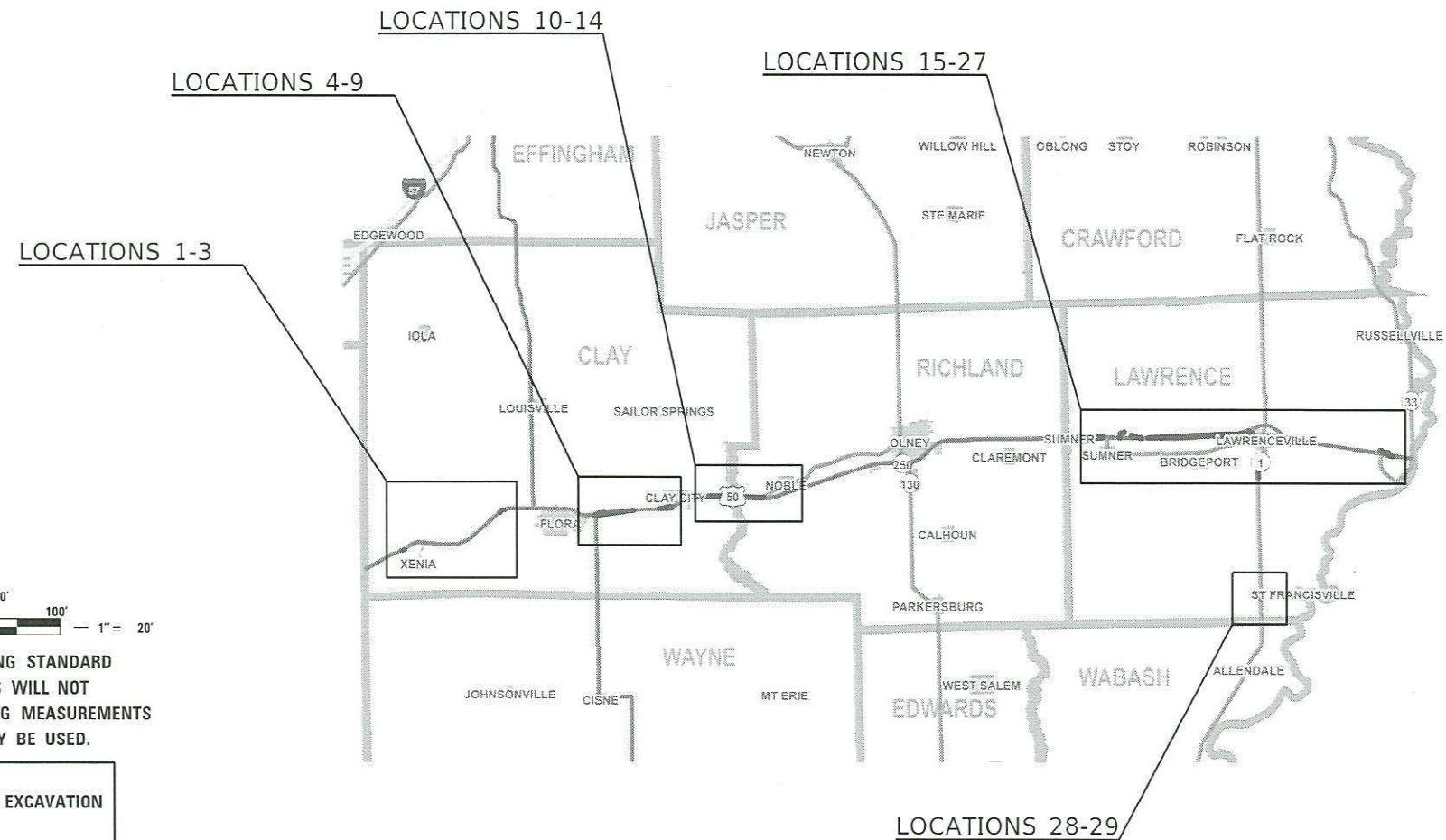
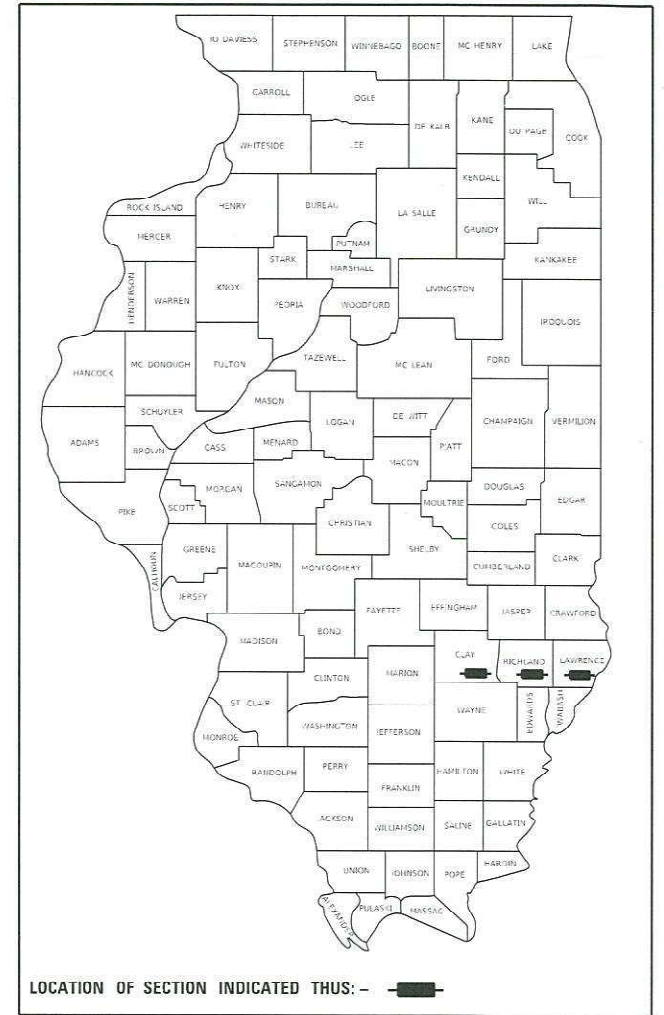
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D7 SEAL COAT 2021-2
A-2 SURFACE TREATMENT
VARIOUS COUNTIES

C-97-142-21

D-97-082-021



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: TOM RONAN
PHONE: (217) 342-8320
CONTRACT NO. 74A51

GROSS & NET LENGTH = 98,947 FEET (18.74 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *April 21* 2021
Jeffrey P. Meyer
REGIONAL ENGINEER

May 7, 2021
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
5-10	LOCATION MAPS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING SHEET NUMBER 10:

701001-02	OFF ROAD, 2L 2W, 15' MINIMUM FROM EDGE OF PAVEMENT, FOR SPEEDS > = 45 MPH
701006-05	OFF ROAD, 2L 2W, 15' AWAY TO EDGE OF PAVEMENT, FOR SPEEDS > = 45 MPH
701011-04	OFF ROAD, 2L, 2W, MOVING OPERATIONS DAY ONLY, FOR SPEEDS > = 45 MPH
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > = 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > = 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
000001-08	STANDARD SYMBOLS, PATTERNS AND ABBREVIATIONS
001006	DECIMAL OF AN INCH AND OF A FOOT
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

THE WORK IN THIS SECTION CONSISTS OF POTHOLE PATCHING, PREPARATION OF BASE, CONSTRUCTION OF SEAL COAT FOR BITUMINOUS SURFACE TREATMENT CLASS A-2, PAVEMENT MARKING, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION PER THE STANDARD SPECIFICATIONS.

AN ESTIMATED QUANTITY OF HOT-MIX-ASPHALT FOR PATCHING POTHOLES (COLD MIX) HAS BEEN INCLUDED FOR ANY NECESSARY POTHOLE PATCHING. THE QUANTITY AND LOCATIONS OF POTHOLE PATCHING WILL BE DETERMINED BY THE RESIDENT IN THE FIELD.

THE MATERIAL USED FOR SEAL COAT AGGREGATE SHALL BE CA-16 CRUSHED STONE. IN ADDITION TO THE REQUIREMENTS OF SECTION 403 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO APPLY A FOG COAT OF BITUMINOUS MATERIALS (FOG SEAL) AFTER PLACEMENT OF THE SEAL COAT AGGREGATE AT LOCATIONS 5 & 6.

THE QUANTITY FOR PAINT PAVEMENT MARKING LINE 4" ALLOWS FOR A SECOND APPLICATION AFTER A CURE TIME OF 30 CALENDAR DAYS FOR THE FIRST APPLICATION.

SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED AFTER COMPLETION OF THE BITUMINOUS MATERIALS (PRIME COAT), COVER COAT AGGREGATE, AND SEAL COAT AGGREGATE. SHORT-TERM PAVEMENT MARKING SHALL BE PAINT AND CONSIST OF A 4' LONG CENTERLINE SKIP DASHES EVERY 40'. THE FINAL PERMANENT PAVEMENT MARKING SHALL BE APPLIED DIRECTLY OVER THE SHORT-TERM PAVEMENT MARKING.

RAISED REFLECTIVE PAVEMENT MARKERS, SURVEY MONUMENT VALUTS, AND SURVEY TABLETS SHALL BE KEPT FREE OF THE BITUMINOUS SURFACE TREATMENT. SURVEY MONUMENT VAULTS SHALL BE PROTECTED BY COVERING THEM WITH A MINIMUM OF 8" x 8" OF TAPE. SURVEY TABLETS SHALL BE PROTECTED BY COVERING THEM WITH A MINIMUM OF 4" x 4" OF TAPE. THE REFLECTOR LENS OF THE EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROTECTED BY COVERING THEM WITH A MINIMUM OF 3" x 4" OF TAPE. IT IS THE INTENT OF THE DEPARTMENT THAT THE REMAINING PORTION OF THE RAISED REFLECTIVE PAVEMENT MARKER CASTING NOT COVERED BY TAPE SHALL BE COATED WITH THE BITUMINOUS SURFACE TREATMENT TO HELP SEAL THE RAISED REFLECTIVE PAVEMENT MARKERS IN PLACE. THE COST TO COVER AND REMOVE THE TAPE FROM THE RAISED REFLECTIVE PAVEMENT MARKERS, SURVEY MONUMENT VAULTS, AND SURVEY TABLETS WILL BE INCLUDED IN THE COST OF THE BITUMINOUS SURFACE TREATMENT.

REQUIRED RATES OF APPLICATION:

BITUMINOUS MATERIALS (PRIME COAT)	0.35 GALLONS /SQ. YD.
POLYMERIZED BIT. MATERIALS (COVER & SEAL COAT)	0.35 GALLONS /SQ. YD.
BITUMINOUS MATERIALS (FOG SEAL)	0.05 LBS./SQ. FT.
SEAL COAT AGGREGATE	25 LBS./SQ. YD.
COVER COAT AGGREGATE	25 LBS./SQ. YD.

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ILLINOIS FED. AID PROJECT										

100%
STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 CLAY	0005 LAWRENCE	0005 RICHLAND
35800100	PREPARATION OF BASE	SQ YD	3200	0	3200	0
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	251	41	183	27
40300405	POLYMERIZED BITUMINOUS MATERIALS (COVERS AND SEAL COATS)	TON	300	90	183	27
40300500	COVER COAT AGGREGATE	TON	2523	757	1536	230
40300600	SEAL COAT AGGREGATE	TON	2523	757	1536	230
67100100	MOBILIZATION	L SUM	1	0.41	0.52	0.07
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.41	0.52	0.07
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.41	0.52	0.07
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4963	4963	0	0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	55836	55836	0	0
X0300010	BITUMINOUS MATERIALS (FOG SEAL)	POUND	13649	13649	0	0
Z0005010	HOT-MIX ASPHALT FOR PATCHING POTHOLES (COLD MIX)	TON	50	28	21	1

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	D7 SEAL COAT 2021-2	VARIOUS	10	3
			CONTRACT NO. 74A51	
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

LOCATION NUMBER	COUNTY	LOCATION DESCRIPTIONS	EXISTING PAVEMENT SURFACE MATERIAL TYPE	LENGTH		WIDTH FEET	PAVEMENT AREA SQ. YD.	TYPE OF WORK	HOT-MIX ASPHALT FOR PATCHING POTHoles (COLD MIX) TON	BITUMINOUS MATERIALS (PRIME COAT) TON	POLYMERIZED BITUMINOUS MATERIALS (COVERS AND SEAL COATS) TON	SEAL COAT AGGREGATE TON	COVER COAT AGGREGATE TON	PREPARATION OF BASE SQ. YD.	BITUMINOUS MATERIALS (FOG SEAL) POUND	SHORT TERM PAVEMENT MARKING FOOT	PAINT PAVEMENT MARKING - LINE 4" FOOT
				MILES	FEET												
1	CLAY	West of Xenia	Bit	0.19	1003.2	24	2675.2	SEAL COAT A-2	1.00	0	4.0	33.4	33.4				
2	CLAY	West of Flora	OC	0.32	1689.6	20	3754.7	SEAL COAT A-2		5.6	5.6	46.9	46.9				
3	CLAY	West of Flora	OC	0.06	316.8	12	422.4	SEAL COAT A-2	1.00	0.6	0.6	5.3	5.3				
4	CLAY	Uebinger	OC	0.34	1795.2	12	2393.6	SEAL COAT A-2		3.6	3.6	29.9	29.9				
5	CLAY	Old 50 East of Flora	Bit	2.320	12249.6	22	29943.5	SEAL COAT A-2	3.00	0	44.5	374.3	374.3		13475	4900	55123
6	CLAY	Old 50 East of Flora	Bit	0.030	158.4	22	387.2	SEAL COAT A-2		0	0.6	4.8	4.8		174	63	713
7	CLAY	Clay City	OC	0.05	264.0	12	352.0	SEAL COAT A-2		0.5	0.5	4.4	4.4				
8	CLAY	Clay City	OC	0.69	3643.2	22	8905.6	SEAL COAT A-2	1.00	13.2	13.2	111.3	111.3				
9	CLAY	Clay City	OC/conc	0.31	1636.8	18	3273.6	SEAL COAT A-2	10.00	4.9	4.9	40.9	40.9				
10	CLAY	East Clay City Old Route	OC/conc	0.42	2217.6	18	4435.2	SEAL COAT A-2	10.00	6.6	6.6	55.4	55.4				
11	CLAY	Big Four Rd North	OC	0.12	633.6	24	1689.6	SEAL COAT A-2	1.00	2.5	2.5	21.1	21.1				
12	CLAY	Big Four Rd South	OC	0.20	1056.0	20	2346.7	SEAL COAT A-2	1.00	3.5	3.5	29.3	29.3				
								CLAY COUNTY TOTALS	28	41	90	757	757	0	13649	4963	55836
13	RICHLAND	West of Noble	OC	1.44	7603.2	18	15206.4	SEAL COAT A-2	1.00	22.6	22.6	190.1	190.1				
14	RICHLAND	East of Noble	OC	0.30	1584.0	18	3168.0	SEAL COAT A-2		4.7	4.7	39.6	39.6				
								RICHLAND COUNTY TOTALS	1	27	27	230	230	0	0	0	0
15	Lawrence	FR11 Law/Rich County line	OC over Rubble	0.30	1584.0	18	3168.0	SEAL COAT A-2	1.00	4.7	4.7	39.6	39.6				
16	Lawrence	FR11 Law/Rich County line	OC over Rubble	1.29	6811.2	18	13622.4	SEAL COAT A-2	5.00	20.3	20.3	170.3	170.3				
17	Lawrence	FR1 North Sumner	OC	0.64	3379.2	18	6758.4	SEAL COAT A-2	1.00	10.1	10.1	84.5	84.5				
18	Lawrence	FR2 North Red Hill State Park	OC	0.70	3696.0	18	7392.0	SEAL COAT A-2		11.0	11.0	92.4	92.4				
19	Lawrence	FR2A NW of Red Hill Park	OC	0.50	2640.0	16	4693.3	SEAL COAT A-2	1.00	7.0	7.0	58.7	58.7				
20	Lawrence	FR4 North of Bridport	OC	2.50	13200.0	18	26400.0	SEAL COAT A-2	2.00	39.3	39.3	330.0	330.0	2000			
21	Lawrence	FR5 NE of Bridport	OC	2.00	10560.0	18	21120.0	SEAL COAT A-2	3.00	31.4	31.4	264.0	264.0				
22	Lawrence	FR9 Country Club	OC	0.78	4118.4	16	7321.6	SEAL COAT A-2	2.00	10.9	10.9	91.5	91.5				
23	Lawrence	FR10 West of Lawrenceville	OC	0.89	4699.2	18	9398.4	SEAL COAT A-2		14.0	14.0	117.5	117.5				
24	Lawrence	FR"E" NW of Lawrenceville	OC	0.66	3484.8	18	6969.6	SEAL COAT A-2	2.00	10.4	10.4	87.1	87.1				
25	Lawrence	FR"l" NE of Lawrenceville	OC	0.35	1848.0	12	2464.0	SEAL COAT A-2		3.7	3.7	30.8	30.8				
26	Lawrence	FR"L" NE of IL33 Interchange	OC	0.25	1320.0	17	2493.3	SEAL COAT A-2	2.00	3.7	3.7	31.2	31.2	1200			
27	Lawrence	FR2 South of Lawrenceville	OC over PCC	0.69	3643.2	18	7286.4	SEAL COAT A-2	2.00	10.8	10.8	91.1	91.1				
28	Lawrence	FR4 FR5 St Francisville	OC	0.27	1425.6	16	2534.4	SEAL COAT A-2		3.8	3.8	31.7	31.7				
29	Lawrence	FR3 St Francisville	OC	0.13	686.4	16	1220.3	SEAL COAT A-2		1.8	1.8	15.3	15.3				
								LAWRENCE COUNTY TOTALS	21	183	183	1536	1536	3200	0	0	0
								PROJECT TOTALS	50	251	300	2522	2522	3200	13649	4963	55836

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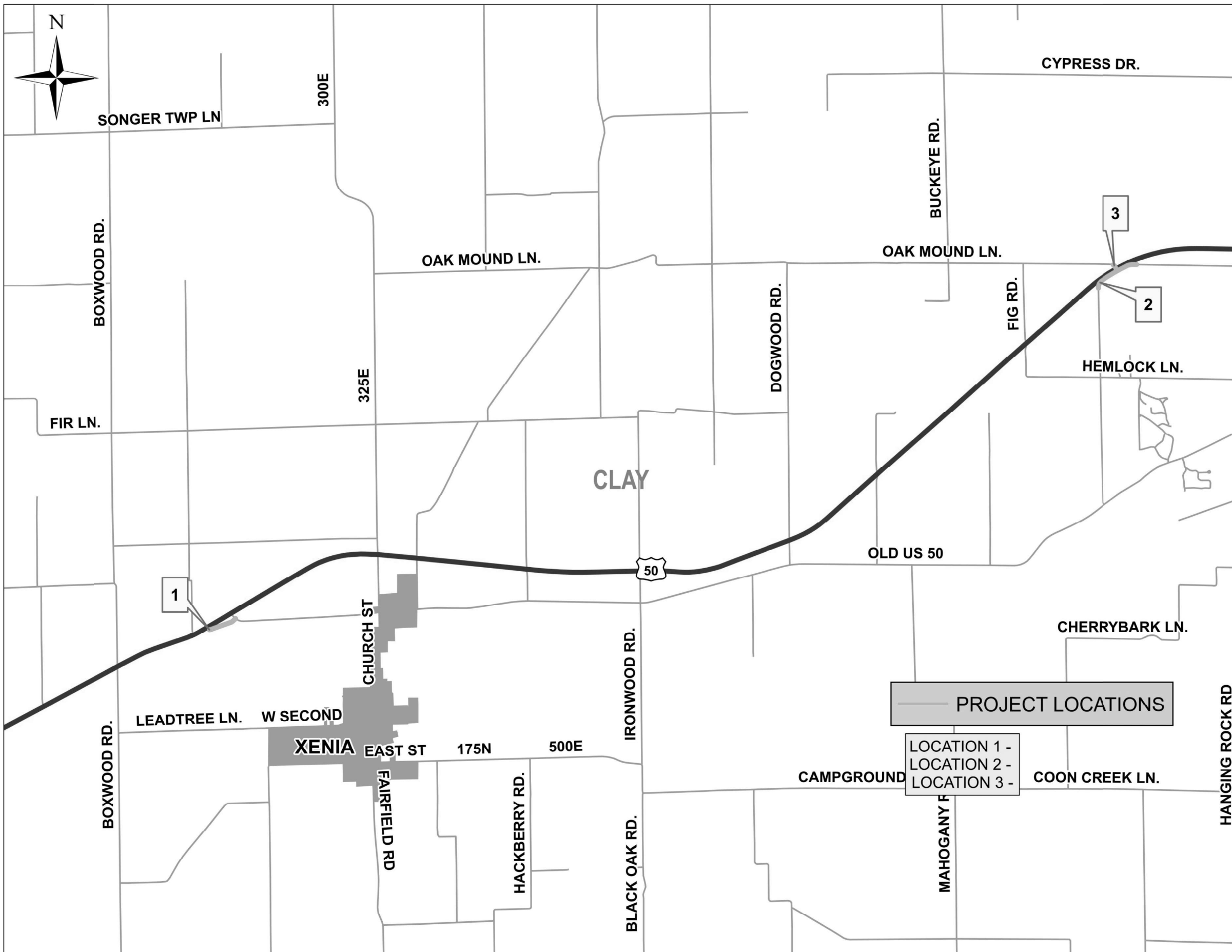
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	D7 SEAL COAT 2021-2	VARIOUS	10	4
CONTRACT NO. 74A51				
ILLINOIS FED. AID PROJECT				

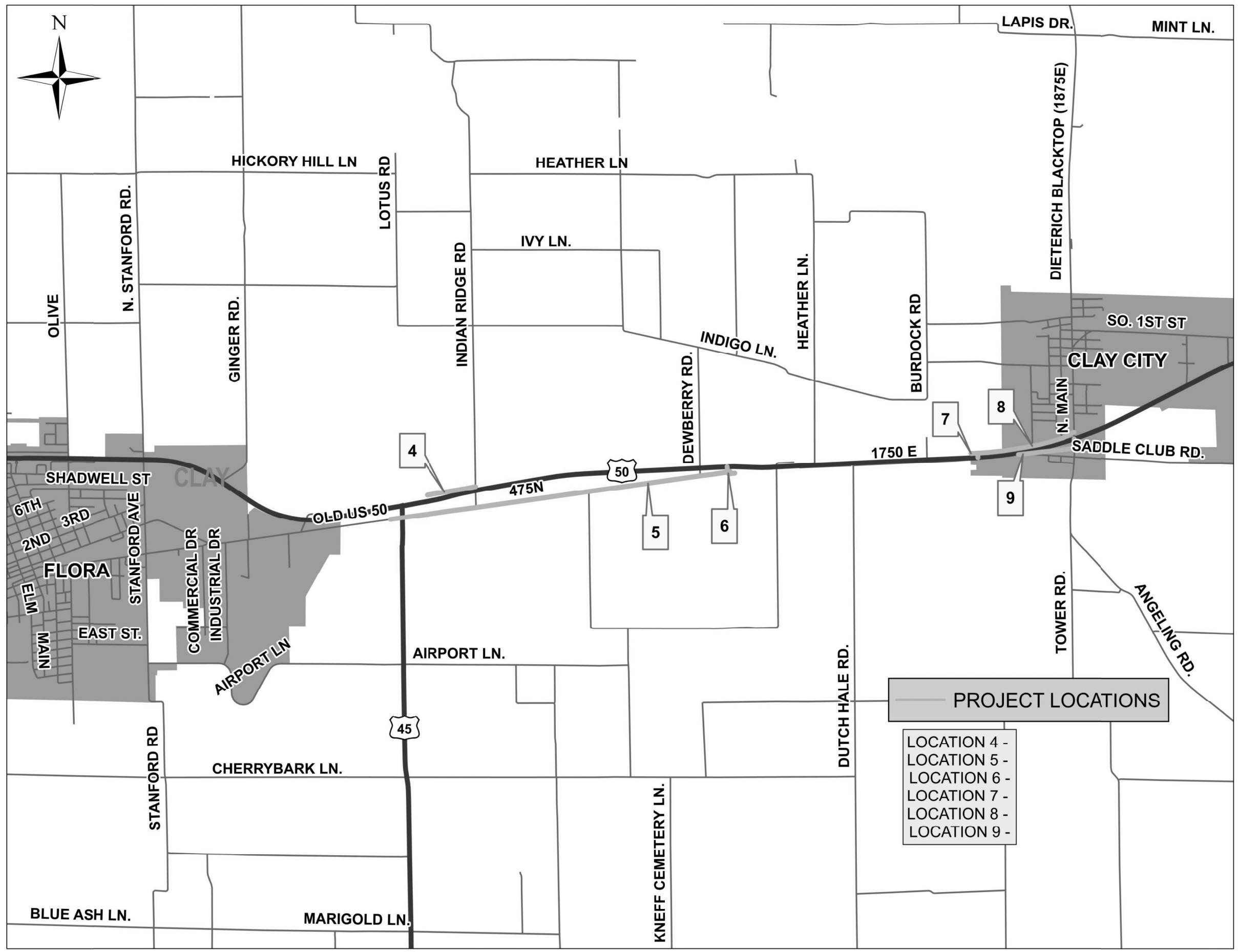


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50 SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74A51			ILLINOIS FED. AID PROJECT	

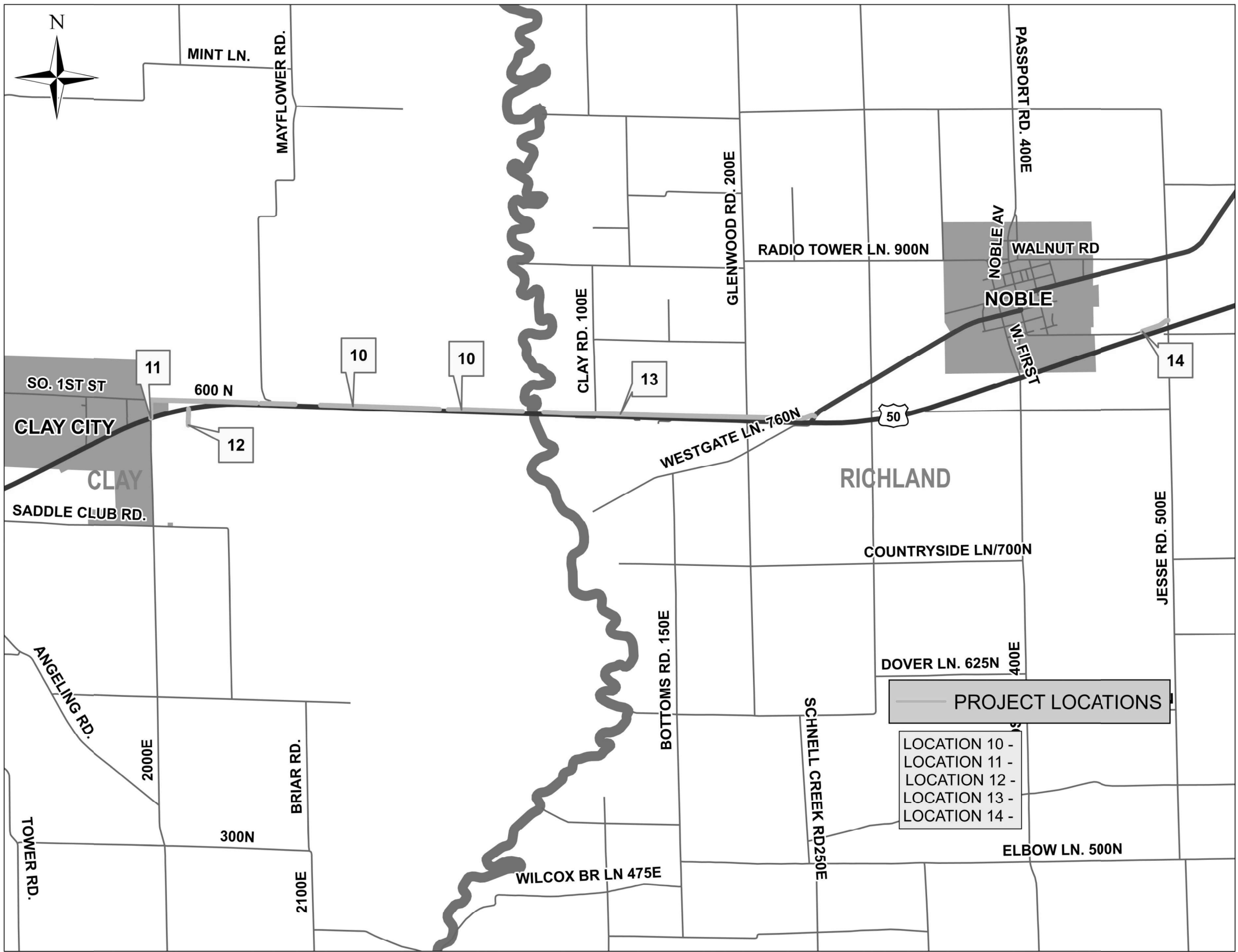


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50	SHEET NO. 2 OF 6 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	D7 SEAL COAT 2021-2	VARIOUS	10	6
CONTRACT NO. 74A51				
ILLINOIS FED. AID PROJECT				

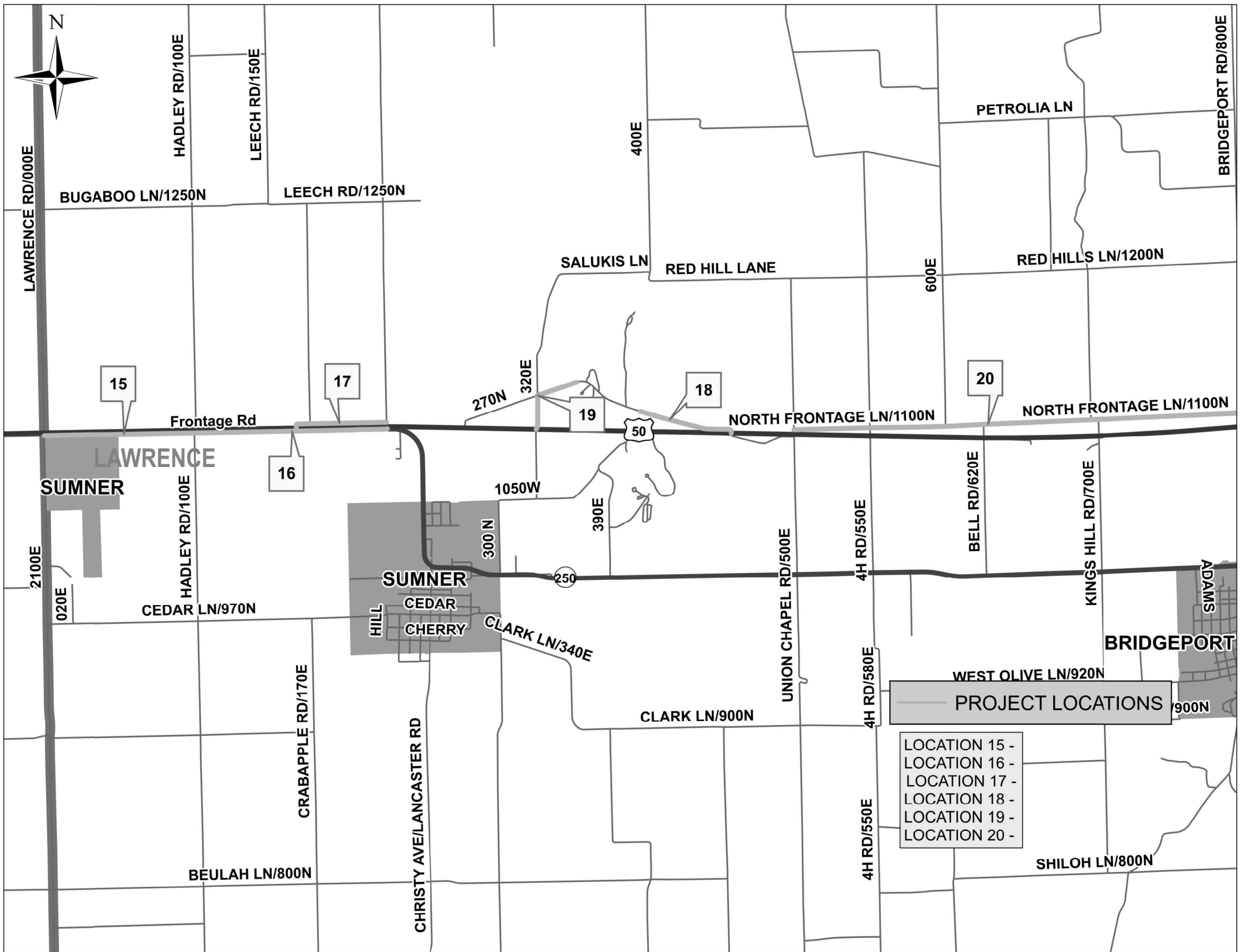


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50 SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	D7 SEAL COAT 2021-2	VARIOUS	10	7
CONTRACT NO. 74A51			ILLINOIS FED. AID PROJECT	

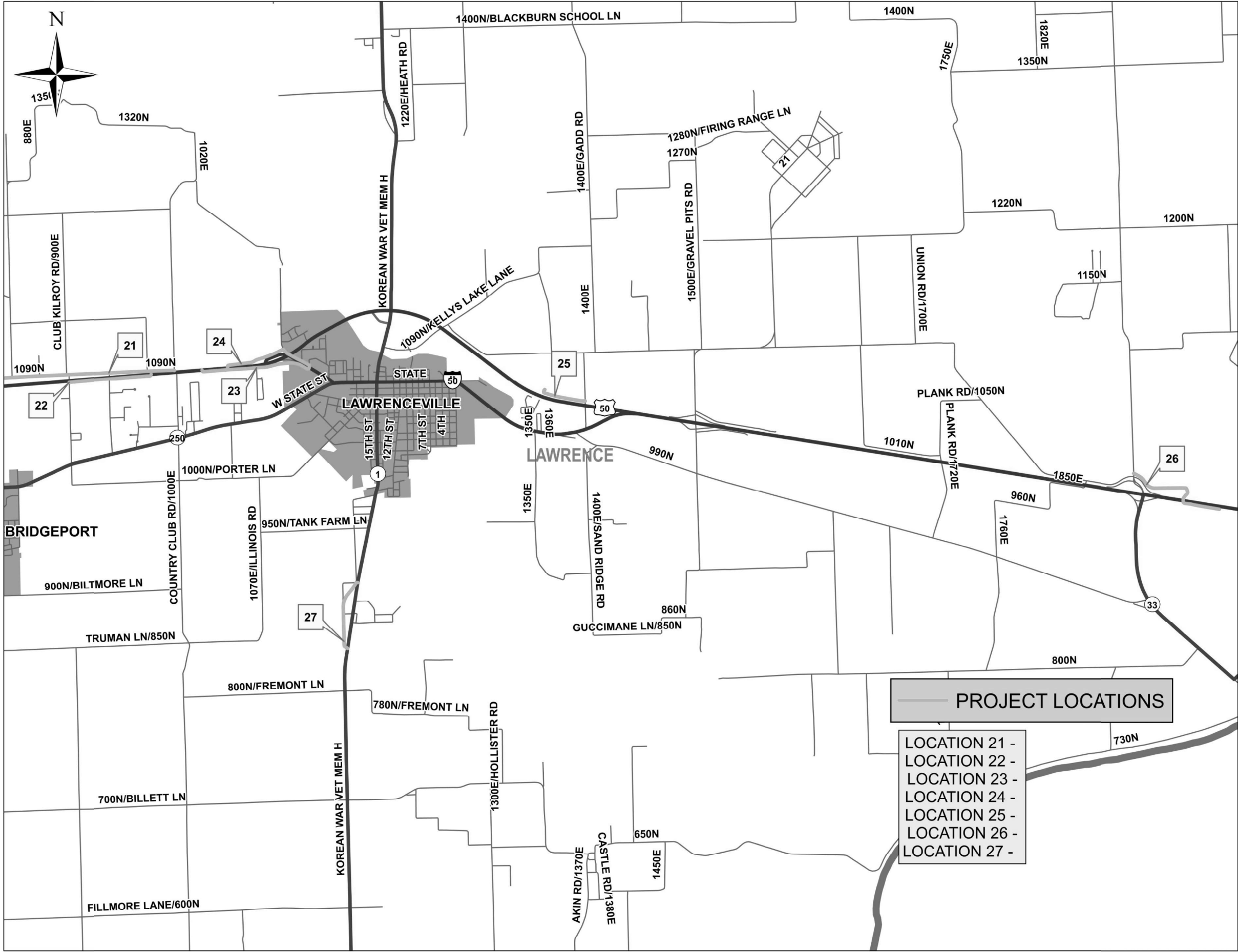


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50	SHEET NO. 4 OF 6 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74A51			ILLINOIS FED. AID PROJECT	

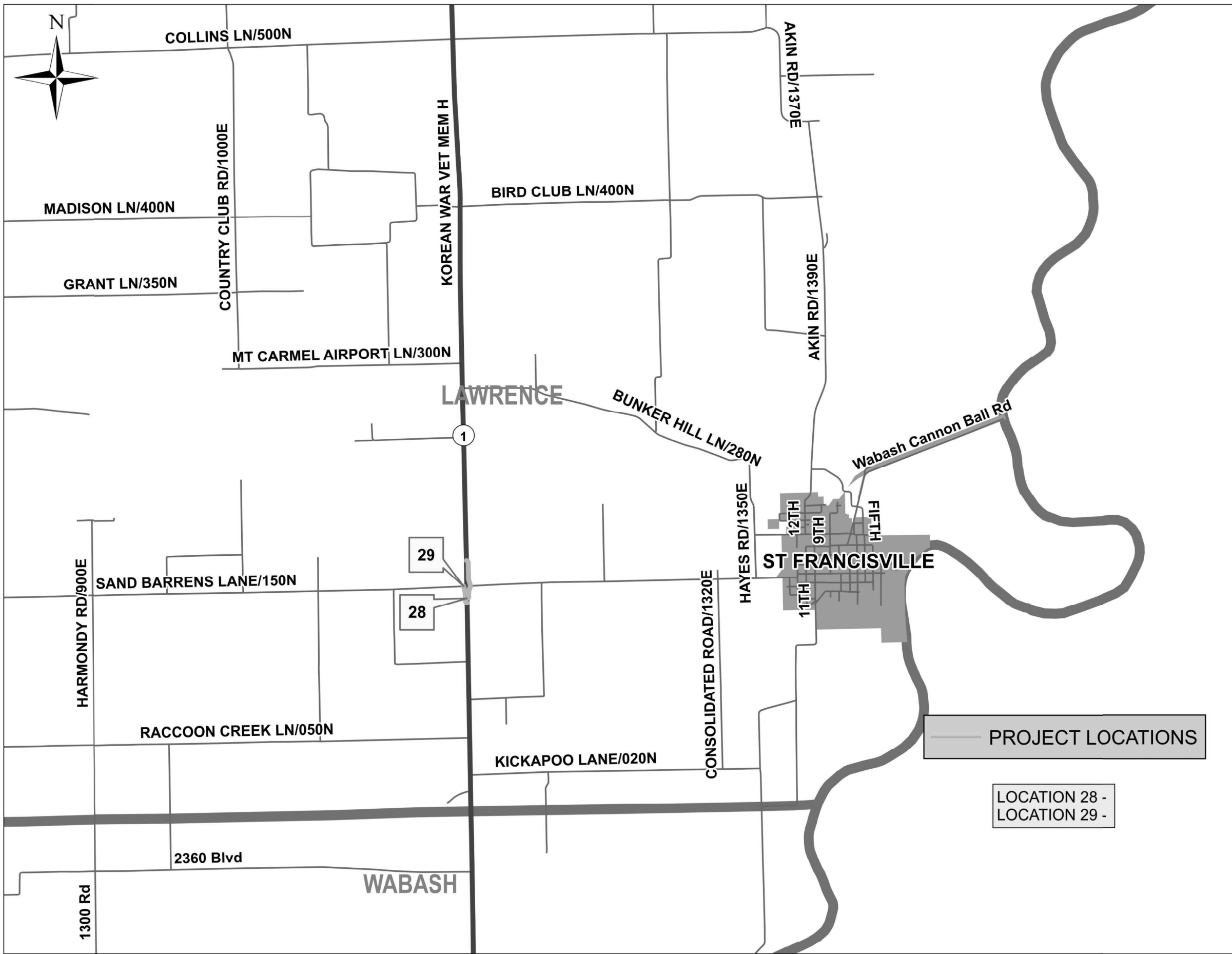


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50	SHEET NO. 5 OF 6 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74A51				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 50 SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 74A51	