

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	1
		ILLINOIS		CONTRACT NO. 74A45

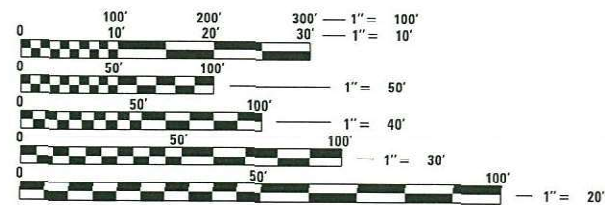
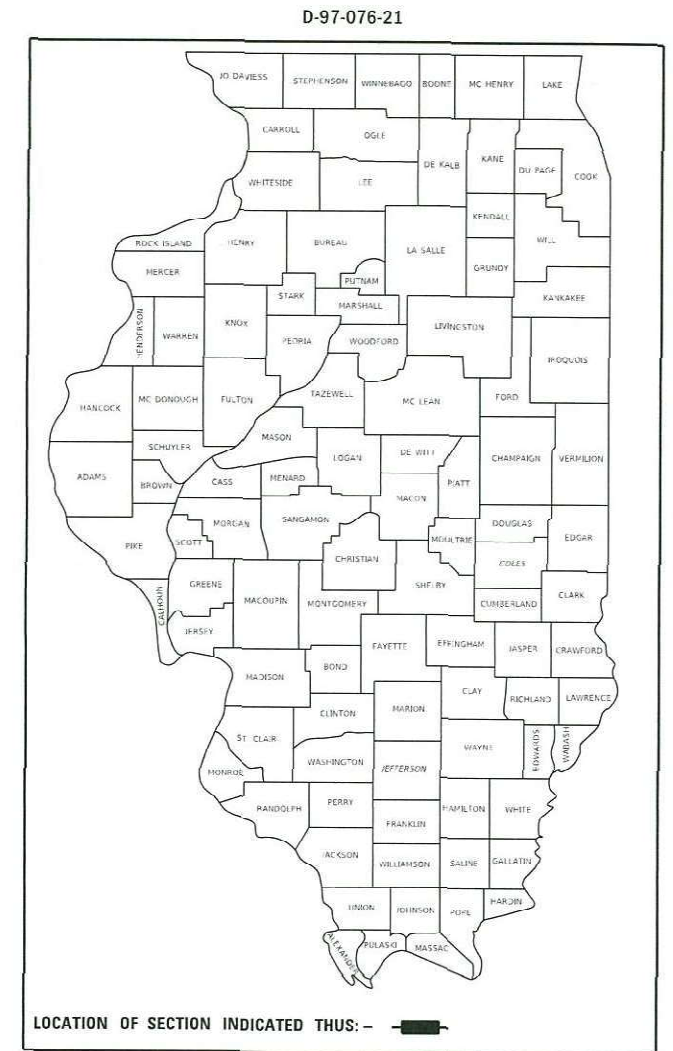
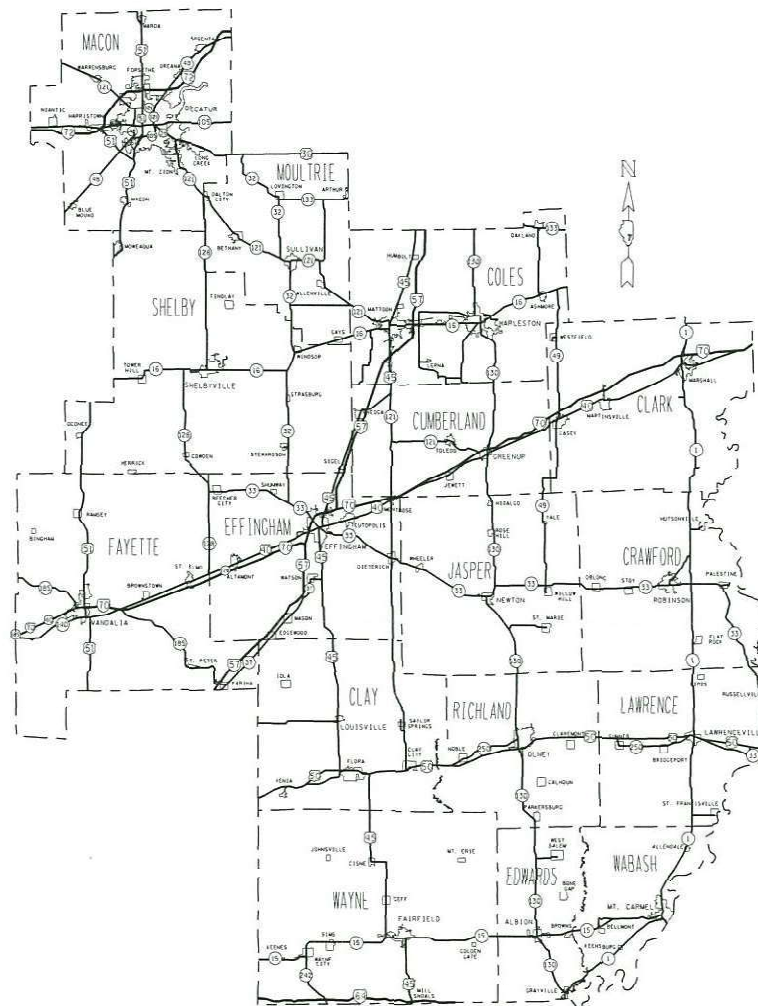
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

**VARIOUS ROUTES  
SECTION D7 GUARDRAIL 2021-2**

**GUARDRAIL MAINTENANCE  
VARIOUS COUNTIES**

C-97-133-21



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 BRIAN LEWIS  
PROJECT MANAGER BRIAN LEWIS

CONTRACT NO. 74A45

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *FEBRUARY 8 2021*

*Judy P. M...*  
REGIONAL ENGINEER

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

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

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OF THE STATE OF ILLINOIS

## GENERAL NOTES

THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN FOURTEEN COUNTIES ALL LOCATED WITHIN DISTRICT 7. THE WORK INCLUDED IN THIS SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REPAIR AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

A VIRTUAL FIELD CHECK IS POSSIBLE BY SEARCHING THE COORDINATES OF ANY LOCATION IN GOOGLE MAPS AND GOING TO STREET VIEW. IMAGES THERE MAY NOT BE UP TO DATE.

REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY SHALL BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.

THE LIMITS OF THE DAMAGED GUARDRAIL WILL BE MARKED WITH PAINT. THE REPLACEMENT PARTS AND THE QUANTITIES INDICATED ARE WITHIN THESE LIMITS AS MARKED.

THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL PAY ITEMS INCLUDED IN THE PLANS MAY BE USED TO REPLACE/REPAIR SPBGR AND TRAFFIC BARRIER TERMINALS FOR THE MIDWEST GUARDRAIL SYSTEM AS SHOWN IN THE HIGHWAY STANDARDS AS WELL AS SPBGR AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JAN. 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST GUARDRAIL SYSTEM STANDARD.

## INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES & LIST OF STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4-6 SCHEDULES OF QUANTITIES
- 7-20 LOCATION MAPS BY COUNTY
- 21 SAND BARREL DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 631011-10 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631031-17 TRAFFIC BARRIER TERMINAL, TYPE 6
- 631033-08 TRAFFIC BARRIER TERMINAL, TYPE 6B
- 643001-02 SAND MODULE IMPACT ATTENUATORS
- 665001-02 WOVEN WIRE FENCE
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701426-09 LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

REV. - MS

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USER NAME = steffenmk PLOT SCALE = 100.0000' / in. PLOT DATE = 2/9/2021	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED + REVISED +	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, INDEX OF SHEETS LIST OF STANDARDS</b>	F.A. RTE.	SECTION D7 GUARDRAIL 2021-2	COUNTY VARIOUS	TOTAL SHEETS 21	SHEET NO. 2	CONTRACT NO. 74A45 ILLINOIS FED. AID PROJECT
				SCALE:						
				SHEET	OF	SHEETS	STA.			TO STA.

100%  
STATE

100%  
STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021 MCHD	0021 C.M.	
6310045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	18	13	5	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2		
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1		
66500105	WOVEN WIRE FENCE, 4'	FOOT	110	110		
67100100	MOBILIZATION	L SUM	1	0.5	0.5	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	24	15	9	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	39	26	13	
X0320014	REPAIR IMPACT ATTENUATORS (SEVERE USE, NARROW) TEST LEVEL 3	EACH	1	1		
X0325264	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1		1	
X6300210	GUARDRAIL BLOCKS	EACH	223	135	88	
X6300215	RAIL ELEMENT PLATES	EACH	180	114	66	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0021 MCHD	0021 C.M.	
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	3	3		
X6300220	EXTRUDER HEAD	EACH	3		3	
X6300236	STEEL POSTS 6'	EACH	178	115	63	
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	27	27		
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	5	1	4	
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	20	9	11	
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	1		1	
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1		1	
Z0053220	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2	2		
Z0059660	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - RAIL ELEMENT PLATE	EACH	1		1	

REV. - MS

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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF 21 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	3
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				

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Map Location	Route	County	Nearest Municipality	Latitude	Longitude	MCHD or Contract Maintenance	Claim Number	Rail Element Plates (Each)	Rail Element Plates (Radius) (Each)	Guardrail Blocks (Each)	Steel Posts 6' (Each)	Repair Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Repair Traffic Barrier Terminal, Type 1 Special (Flared)	Repair Traffic Barrier Terminal Type 6 (Each)	Repair Traffic Barrier Terminal Type 6B (Each)	Repair Traffic Barrier Terminal Type 1 Special - Rail Element Plate (Each)	Repair Traffic Barrier Terminal Type 1 Special - Post (Each)	Extruder Head (Each)	Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Traffic Barrier Terminal Type 1 (Special) Flared (Each)	Traffic Barrier Terminal Type 2 (Each)	Remove and Replace Impact Attenuator Sand Module (Each)	Impact Attenuators (Nor-Redirective), Test Level 3	Repair Impact Attenuators (Fully Redirective, Narrow) Test Level 3	Repair Impact Attenuators (Severe Use, Narrow) Test Level 3	Terminal Marker - Direct Applied (Each)	Guardrail Reflectors, Type A (Each)	Woven Wire Fence 4'
1	IL 1 S OF E DIVIDER RD	CLARK	WEST UNION	39.26622	-87.66697	MCHD	817679	1											1							1		
2	US 40 EB MP 7	CLARK	MARTINSVILLE	39.33953	-87.89643	CM	N/A	8		5	3	1						1								1	2	
3	I-70 EB MP 134.33	CLARK	MARTINSVILLE	39.35194	-87.90468	CM	N/A					1														1		
4	I-70 WB AT N FORK OF EMBARRAS	CLARK	MARTINSVILLE	39.35315	-87.90118	MCHD	817737												1							1		
5	I-70 EB E OF MP 141	CLARK	MARSHALL	39.39454	-87.78936	MCHD	817738	1		2									1							1	1	
6	US 40 0.22 MI W OF E LIVINGSTON RD	CLARK	MARSHALL	39.40514	-87.64900	MCHD	817820	2																				
7	I-70 EB MP 147.78	CLARK	MARSHALL	39.42274	-87.67511	CM	N/A	5		3	3	1		1														2
8	I 70 WB MP 151.3	CLARK	WEIGH STATION	39.42573	-87.60959	CM	N/A	2		3		1														1		
9	I-70 EB MP 153.98	CLARK	MARSHALL	39.42790	-87.56100	MCHD	817818	3		5	5																	1
10	I-70 WB MP 154.8	CLARK	MARSHALL	39.42829	-87.54681	CM	N/A	3		4	4																	
11	I-70 EB MP155.5	CLARK	MARSHALL	39.43515	-87.53619	MCHD	817819																		1			
12	IL 1 S OF N DOUGLAS RD	CLARK	MARSHALL	39.43909	-87.68562	MCHD	817821	2		4	4																1	
13	DIETERICH BLACKTOP	CLAY	CLAY CITY	38.69589	-88.35407	CM	N/A					1																
14	DIETERICH BLACKTOP	CLAY	CLAY CITY	38.69839	-88.35408	CM	N/A			5																		
15	I-57 SB MP 182	COLES	MATTOON	39.41063	-88.39605	MCHD	817675															14						
16	LAKE RD AT 400N	COLES	MATTOON	39.43262	-88.42448	MCHD	817815	7	3	14	14																	2
17	LERNA RD 0.52 MI S OF OLD STATE RD	COLES	MATTOON	39.46387	-88.30849	MCHD	817814	3		4	4																	
18	I-57 NB MP 189.9	COLES	MATTOON	39.48731	-88.32185	CM	N/A			1	1								1								1	
19	I-57 SB MP 191.9	COLES	MATTOON	39.51676	-88.31540	MCHD	817674	5		7	7																	
20	IL 130 0.3 MI N OF 1100N	COLES	CHARLESTON	39.53869	-88.17747	MCHD	817673			1	1								1								1	
21	IL 16 0.25 MI E OF 2570E	COLES	ASHMORE	39.53907	-88.00117	MCHD	817813					1																
22	I 57 NB MP 196.43	COLES	HUMBOLDT	39.58169	-88.31245	MCHD	817811	4		4	5																	
23	I-57 NB MP 197.5	COLES	HUMBOLDT	39.59503	-88.30514	CM	N/A			4							4											
24	I-57 NB MP 198.6	COLES	HUMBOLDT	39.61037	-88.29488	MCHD	817812	6		12	12																	2
25	ILL-33 0.1 MI N OF 125N	CRAWFORD	HEATHSVILLE	38.87182	-87.55763	MCHD	817829	2		2	1	1					1											
26	US 40 AT EMBARRAS RIVER	CUMBERLAND	GREENUP	39.23703	-88.18848	MCHD	817808					1																
27	I-70 WB MP 126.95	CUMBERLAND	CASEY	39.30172	-88.02418	MCHD	824401	12		6				1													3	110
28	I-57 SB MP 175.9	CUMBERLAND	NEOGA	39.31647	-88.43034	MCHD	824402															12						
29	0.15 MI S OF UNION CENTER RD	CUMBERLAND	GREENUP	39.33015	-88.13536	CM	N/A	1		1	1								1							1	1	
30	I-57 SB MP 179.1	CUMBERLAND	NEOGA	39.36042	-88.41983	MCHD	817809	6		9	8								1							1	2	

USER NAME = steffenmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>QUANTITY SCHEDULE</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -							D7 GUARDRAIL 2021-2	VARIOUS	21	4	
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PLOT DATE = 2/9/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

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Map Location	Route	County	Nearest Municipality	Latitude	Longitude	MCHD or Contract Maintenance	Claim Number	Rail Element Plates (Each)	Rail Element Plates (Radius) (Each)	Guardrail Blocks (Each)	Steel Posts 6' (Each)	Repair Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Repair Traffic Barrier Terminal, Type 1 Special (Flared)	Repair Traffic Barrier Terminal Type 6 (Each)	Repair Traffic Barrier Terminal Type 6B (Each)	Repair Traffic Barrier Terminal Type 1 Special - Rail Element Plate (Each)	Repair Traffic Barrier Terminal Type 1 Special - Post (Each)	Extruder Head (Each)	Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Traffic Barrier Terminal Type 1 (Special) Flared (Each)	Traffic Barrier Terminal Type 2 (Each)	Remove and Replace Impact Attenuator Sand Module (Each)	Impact Attenuators (Non-Redirective), Test Level 3	Repair Impact Attenuators (Fully Redirective, Narrow) Test Level 3	Repair Impact Attenuators (Severe Use, Narrow) Test Level 3	Terminal Marker - Direct Applied (Each)	Guardrail Reflectors, Type A (Each)	Woven Wire Fence 4'
31	IL 130 1.3 MI S OF W SALEM RD	EDWARDS	SAMSVILLE	38.50048	-88.05694	CM	N/A					1					1	1								2		
32	IL 37 0.14 MI N OF 200N	EFFINGHAM	MASON	38.94605	-88.63416	MCHD	817807					1																
33	US 45 MP 4.6 S OF 400N	EFFINGHAM	MASON	38.97283	-88.53920	CM	N/A					1																
34	I-70 WB MP 79.15	EFFINGHAM	ST. ELMO	39.02678	-88.80564	MCHD	817801	4		2	1															1		
35	I-57 SB MP 153.1	EFFINGHAM	WATSON	39.03289	-88.58702	MCHD	817669															1	1					
36	I-57 NB MP 156.55	EFFINGHAM	EFFINGHAM	39.08266	-88.58086	MCHD	817817												1							1		
37	I-57 NB MP 156.6	EFFINGHAM	EFFINGHAM	39.08323	-88.58079	MCHD	817816	6		9	2															2		
38	I-57 NB MP 157.1	EFFINGHAM	EFFINGHAM	39.09083	-88.58024	MCHD	817670	1											1							1		
39	I-70 EB & WB MP 91.45	EFFINGHAM	EFFINGHAM	39.09121	-88.59248	MCHD	817828	13		20	20	1								1						1	3	
40	I-57 SB SB MP 157.33 (SOUTH TRI-LEVEL)	EFFINGHAM	EFFINGHAM	39.09396	-88.58143	MCHD	824400	1		1	1										1					1		
41	I-70 WB MP 97.9	EFFINGHAM	EFFINGHAM	39.14822	-88.51495	MCHD	817800	6		11	11								1							1	2	
42	I-70 WB MP 98.4	EFFINGHAM	EFFINGHAM	39.15039	-88.50633	CM	N/A			2																		
43	I-70 EB MP 100.8	EFFINGHAM	EFFINGHAM	39.15584	88.46432	MCHD	824405																					
44	I-57 NB MP 166.63	EFFINGHAM	EFFINGHAM	39.19421	-88.50214	MCHD	817810	4																		1		
45	I 70 EB MP 53.92	FAYETTE	MULBERRY GROVE	38.92727	-89.24394	MCHD	817825	3																			1	
46	I-70 EB MP 66.6	FAYETTE	BROWNSTOWN	38.97486	-89.02676	CM	N/A	16		27	25															4		
47	I-70 EB MP 66.5	FAYETTE	BROWNSTOWN	38.97505	-89.02908	MCHD	824408																					
48	I-70 WB MP 66.6	FAYETTE	BROWNSTOWN	38.97517	-89.02810	MCHD	824408																					
49	I-70 WB MP 66.45	FAYETTE	BROWNSTOWN	38.97520	-89.02936	CM	N/A	4		3	1																	
50	I-70 WB MP 66.22	FAYETTE	BROWNSTOWN	38.97533	-89.03328	CM	N/A	14		15	11																3	
51	I-70 EB MP 62.05	FAYETTE	VANDALIA	38.97919	-89.11040	MCHD	817826	1											1							1		
52	I-70 WB MP 76	FAYETTE	ST. FI MO	39.01159	-88.85720	MCHD	817671	3		8	7				1													
53	US 51 NEAR 200TH AVE	FAYETTE	VANDALIA	39.02765	-89.09816	CM	N/A					1																
54	US-51 0.4 MI N OF 2900N	FAYETTE	RAMSEY	39.16417	-89.09885	MCHD	817827					1																
55	IL 1 0.5 MI N OF US 50	LAWRENCE	LAWRENCEVILLE	38.74702	-87.68401	MCHD	817676												1							1		

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>QUANTITY SCHEDULE</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	5
			CONTRACT NO. 74A45	
		ILLINOIS	FED. AID PROJECT	

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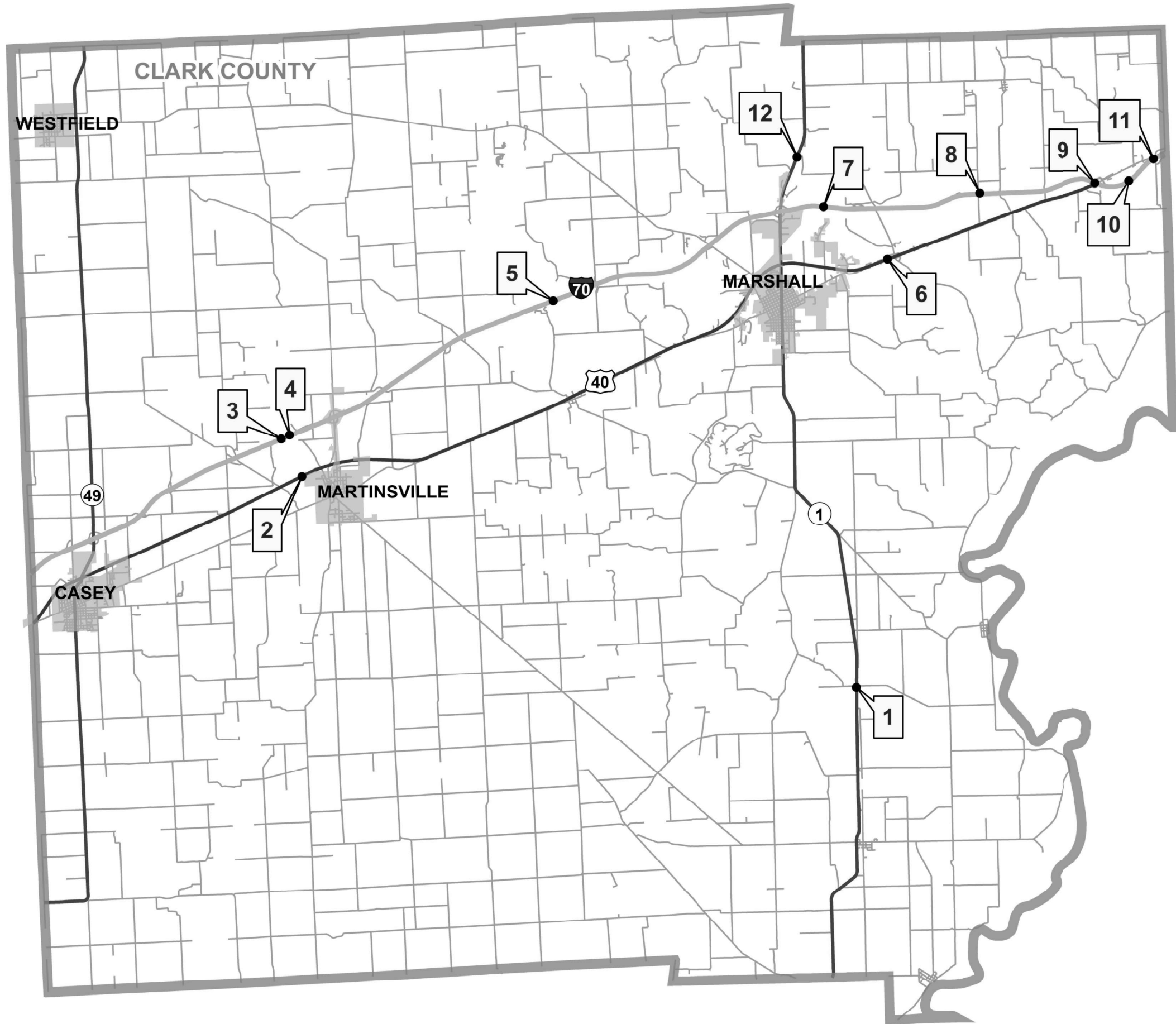
Map Location	Route	County	Nearest Municipality	Latitude	Longitude	MCHD or Contract Maintenance	Claim Number	Rail Element Plates (Each)	Rail Element Plates (Radius) (Each)	Guardrail Blocks (Each)	Steel Posts 6' (Each)	Repair Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Repair Traffic Barrier Terminal, Type 1 Special (Flared)	Repair Traffic Barrier Terminal Type 6 (Each)	Repair Traffic Barrier Terminal Type 6B (Each)	Repair Traffic Barrier Terminal Type 1 Special - Rail Element Plate (Each)	Repair Traffic Barrier Terminal Type 1 Special - Post (Each)	Extruder Head (Each)	Traffic Barrier Terminal Type 1 (Special) Tangent (Each)	Traffic Barrier Terminal Type 1 (Special) Flared (Each)	Traffic Barrier Terminal Type 2 (Each)	Remove and Replace Impact Attenuator Sand Module (Each)	Impact Attenuators (Non-Redirective), Test Level 3	Repair Impact Attenuators (Fully Redirective, Narrow) Test Level 3	Repair Impact Attenuators (Severe Use, Narrow) Test Level 3	Terminal Marker - Direct Applied (Each)	Guardrail Reflectors, Type A (Each)	Woven Wire Fence 4'
56	US 51 AT SANGAMON RIVER	MACON	DECATUR	39.82058	-89.03424	MCHD	817678	2		2	2								1							1		
57	US 36 450' E OF N PKWAY CROSSING DR	MACON	DECATUR	39.84781	-89.02006	MCHD	817824	2																				
58	US 36 800' E OF SUNNYSIDE	MACON	DECATUR	39.84878	-89.01181	CM	N/A																	1				
59	I-72 WB MP 134.25	MACON	HARRISTOWN	39.85187	-89.04613	CM	N/A	1																				
60	I-72 EB MP 137.95	MACON	DECATUR	39.89361	-89.00753	CM	N/A	2		2	2																	
61	I-72 EB MP 137.95	MACON	DECATUR	39.89375	-89.00763	CM	N/A	1		1	1																	
62	I-72 WB MP 141	MACON	DECATUR	39.90819	-88.96053	MCHD	824403																					
63	I-72 WB MP 141.25	MACON	DECATUR	39.90854	-88.94967	CM	N/A	2		3	3																	
64	I-72 WB MP 142.72	MACON	DECATUR	39.90945	-88.92534	CM	N/A												1								1	
65	IL 32 AT 1100N	MOULTRIE	SULLIVAN	39.56483	-88.60903	MCHD	817672	3																				
66	ILL-121 0.22 MI W OF CADWELL RD	MOULTRIE	SULLIVAN	39.60085	-88.54550	MCHD	817823	2																				
67	IL 32 MP 15.02	MOULTRIE	LOVINGTON	39.69187	-88.63665	CM	N/A						1															
68	IL 32 MP 18.05	MOULTRIE	LOVINGTON	39.73147	-88.66302	CM	N/A	1		1	1																	
69	US 36 MP 3.1	MOULTRIE	LA PLACE	39.79225	-88.70097	CM	N/A	4		7	7								1							1	1	
70	IL 32 0.41 MI N OF 1600N	SHELBY	WINDSOR	39.45394	-88.60777	MCHD	817822					1																
71	OLD IL 1 N OF MT. CARMEL	WABASH	MT. CARMEL	38.45182	-87.76432	CM	N/A					1																
72	IL 1 MP 17.05	WABASH	MT. CARMEL	38.45869	-87.76606	CM	N/A					1																
73	I-64 EB MP 103.63	WAYNE	MAYBERRY	38.26710	-88.47016	MCHD	817805												1							1		
74	US 45 AT 445N	WAYNE	FAIRFIELD	38.31768	-88.36029	MCHD	817677	5		7	5																2	
75	IL 15 AT SN 096-0001	WAYNE	WAYNE CITY	38.35885	-88.58808	CM	N/A					1				1												
76	IL 15 0.4 MI E OF 1225E	WAYNE	FAIRFIELD	38.37007	-88.46592	MCHD	817804					1																
77	IL 15 EB AT TALBERT CT	WAYNE	FAIRFIELD	38.37842	-88.38077	MCHD	817802					1																
78	IL 15 0.8 MI E OF CH 3	WAYNE	GOLDEN GATE	38.37858	-88.18943	MCHD	817803												1								1	
79	IL 15 0.2 MI E OF 2875 E	WAYNE	ELLERY	38.37877	-88.16882	CM	N/A	2		1																		
80	US 45 AT 1125N	WAYNE	GEFF	38.41745	-88.40476	MCHD	817806	4		5	5									1						1	1	
							TOTALS:	180	3	223	178	20	1	1	2	1	5	3	18	2	1	27	1	1	1	24	39	110

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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>QUANTITY SCHEDULE</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	6
			CONTRACT NO. 74A45	
		ILLINOIS	FED. AID PROJECT	



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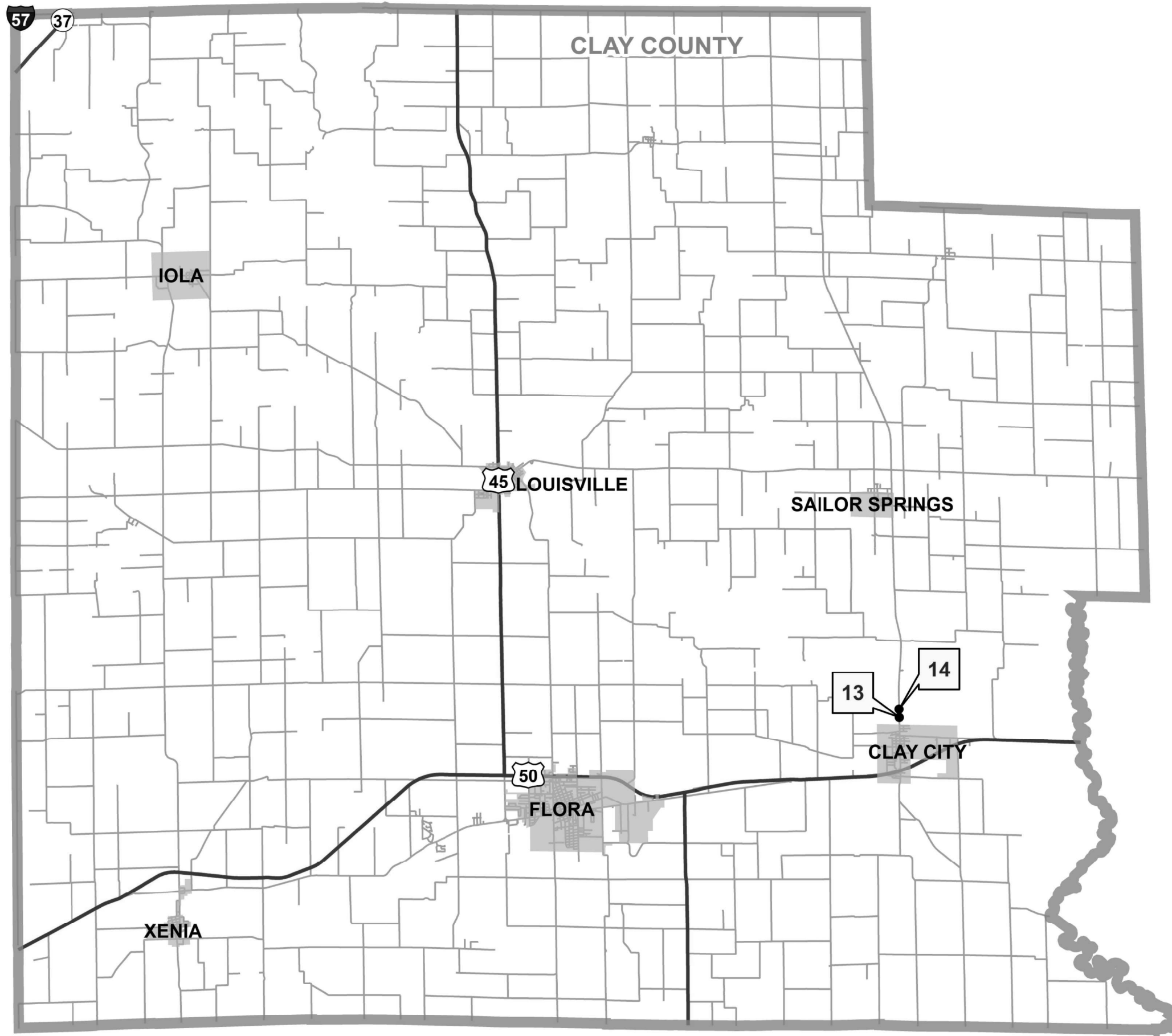
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLARK CO. LOCATION MAP**

SCALE: SHEET OF 21 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	7
			CONTRACT NO. 74A45	
		ILLINOIS FED. AID PROJECT		



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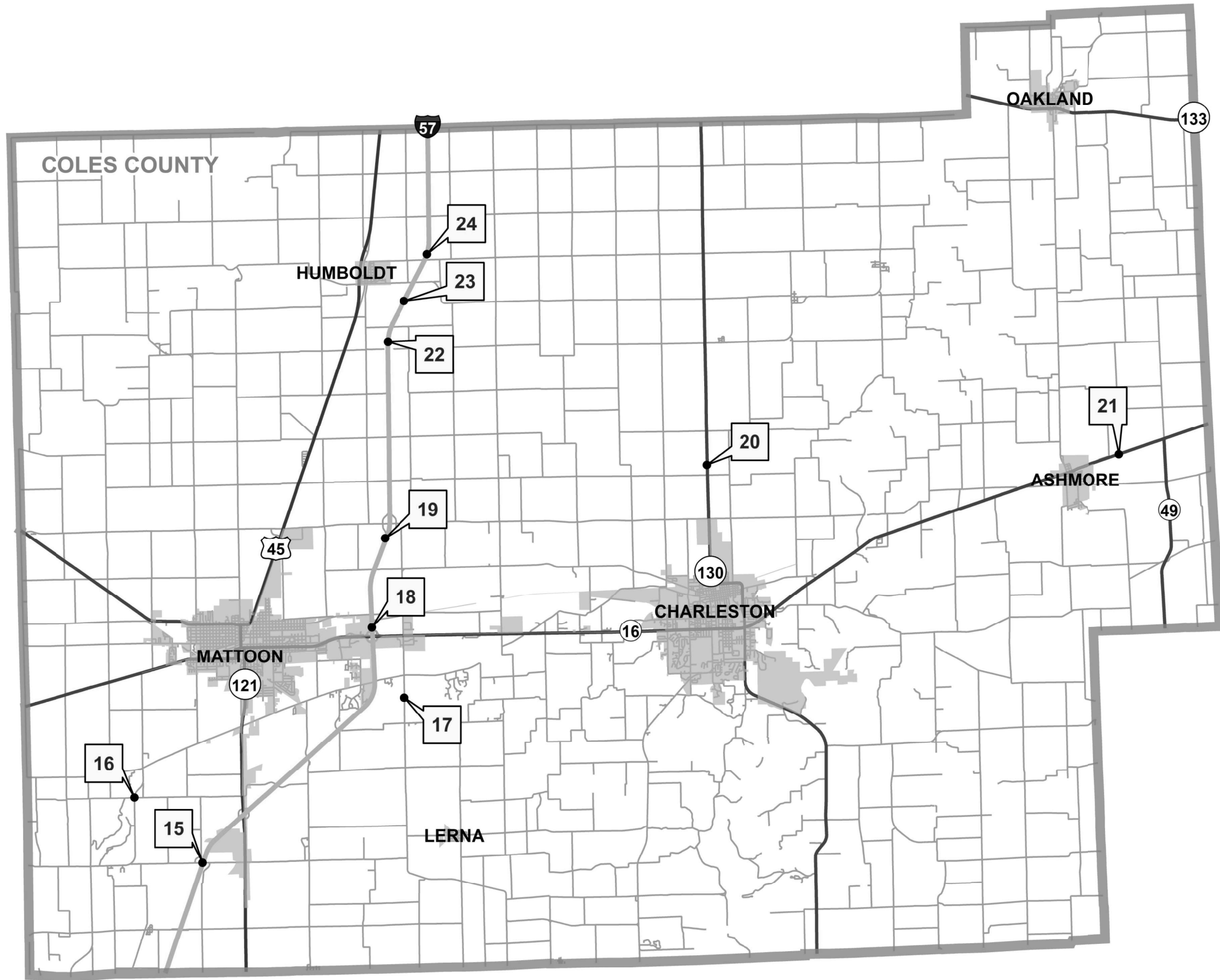
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CLAY CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	8
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				





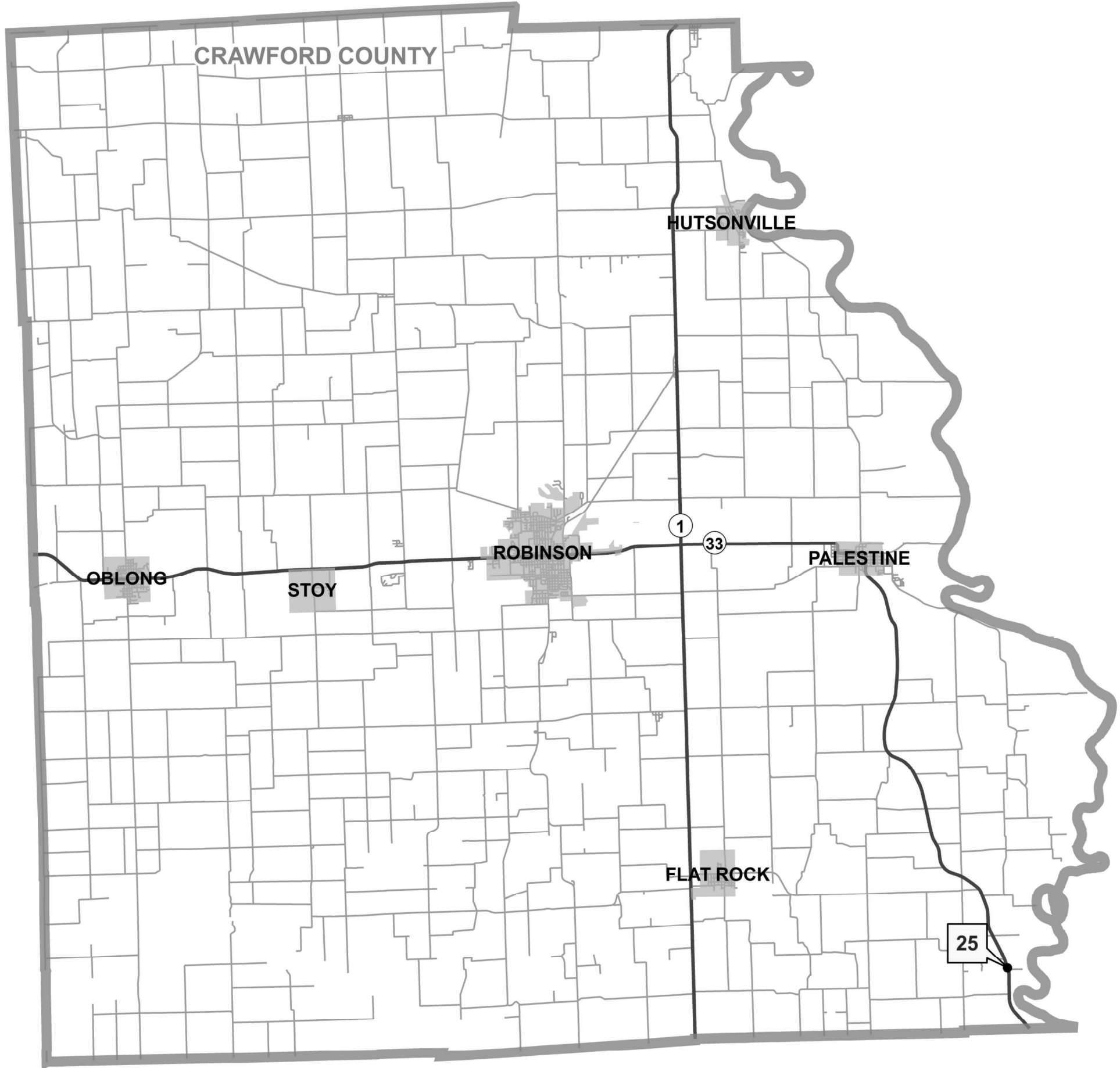
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>COLES CO. LOCATIONS MAP</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	9
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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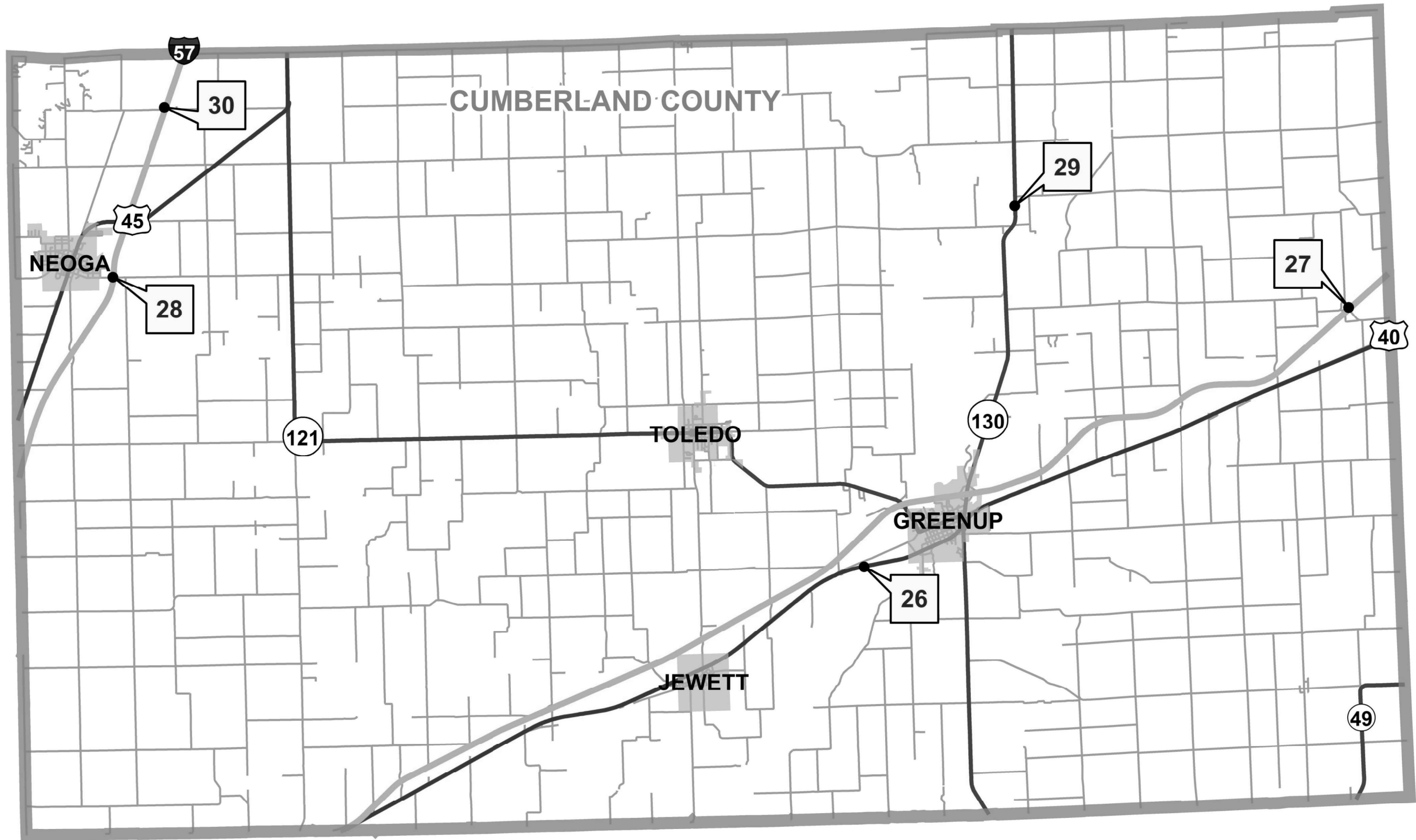
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CRAWFORD CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	10
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



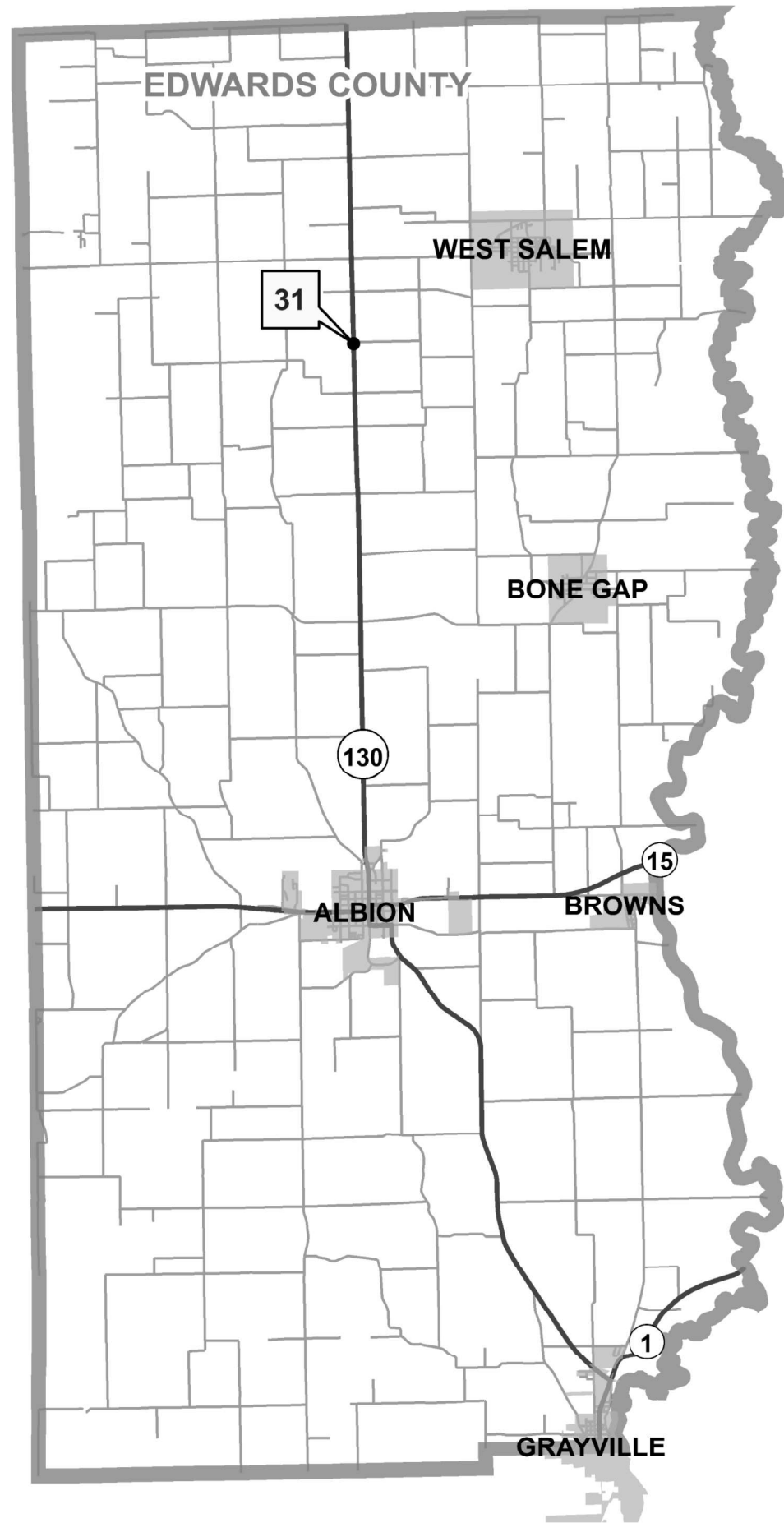
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CUMBERLAND CO. LOCATIONS MAP**  
 SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	11
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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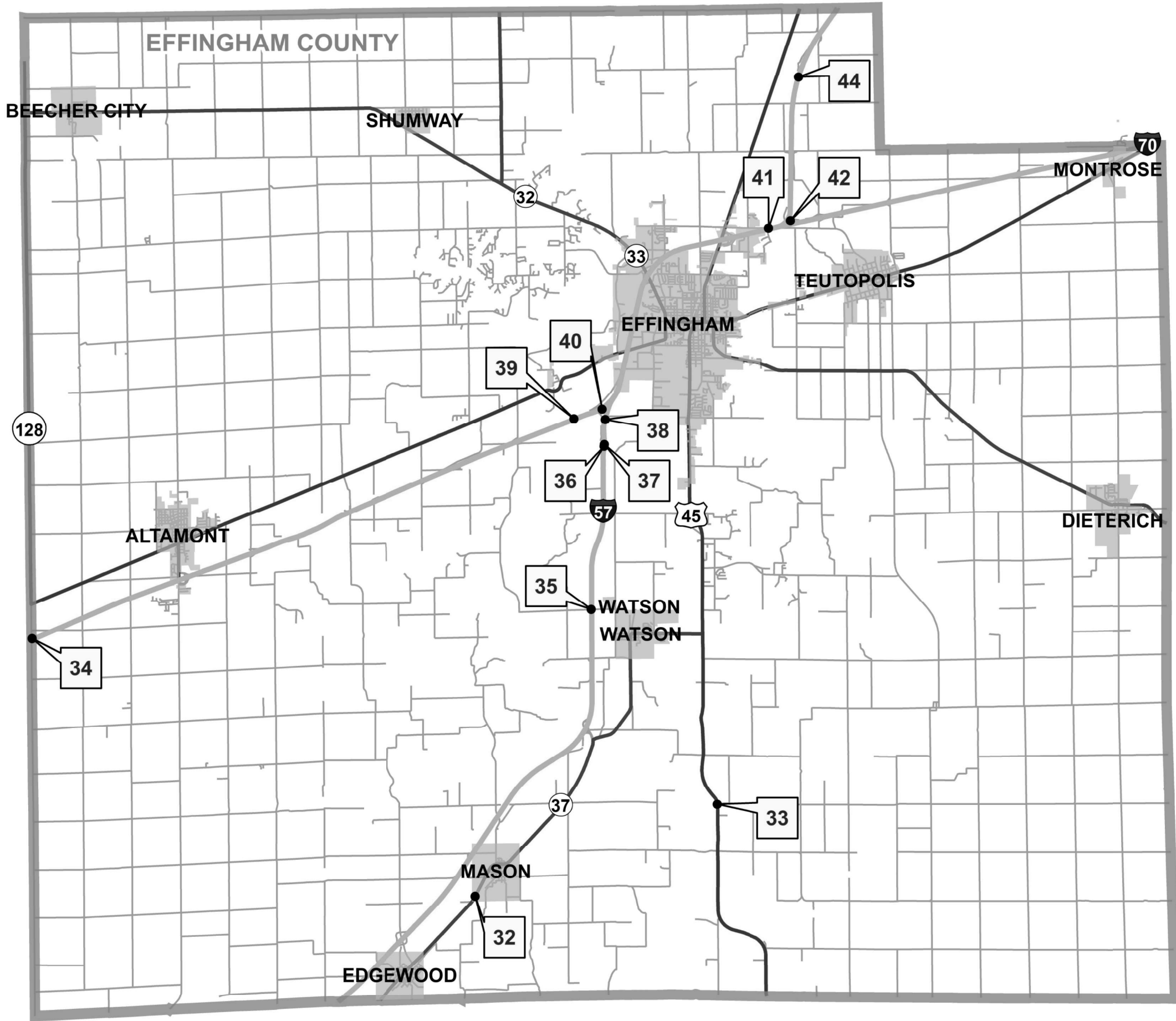
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EDWARDS CO. LOCATIONS MAP**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	12
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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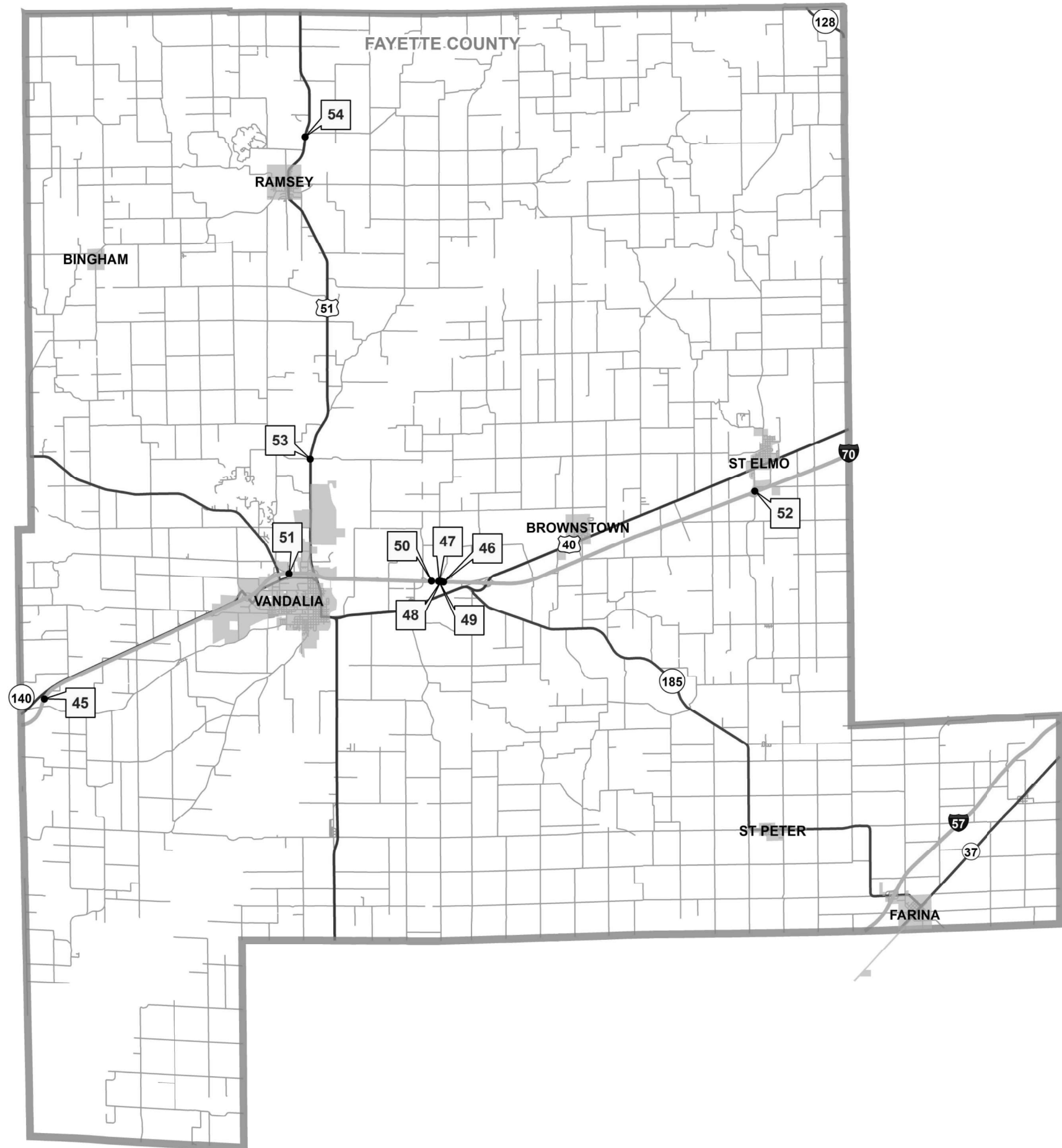
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EFFINGHAM CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	13
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				



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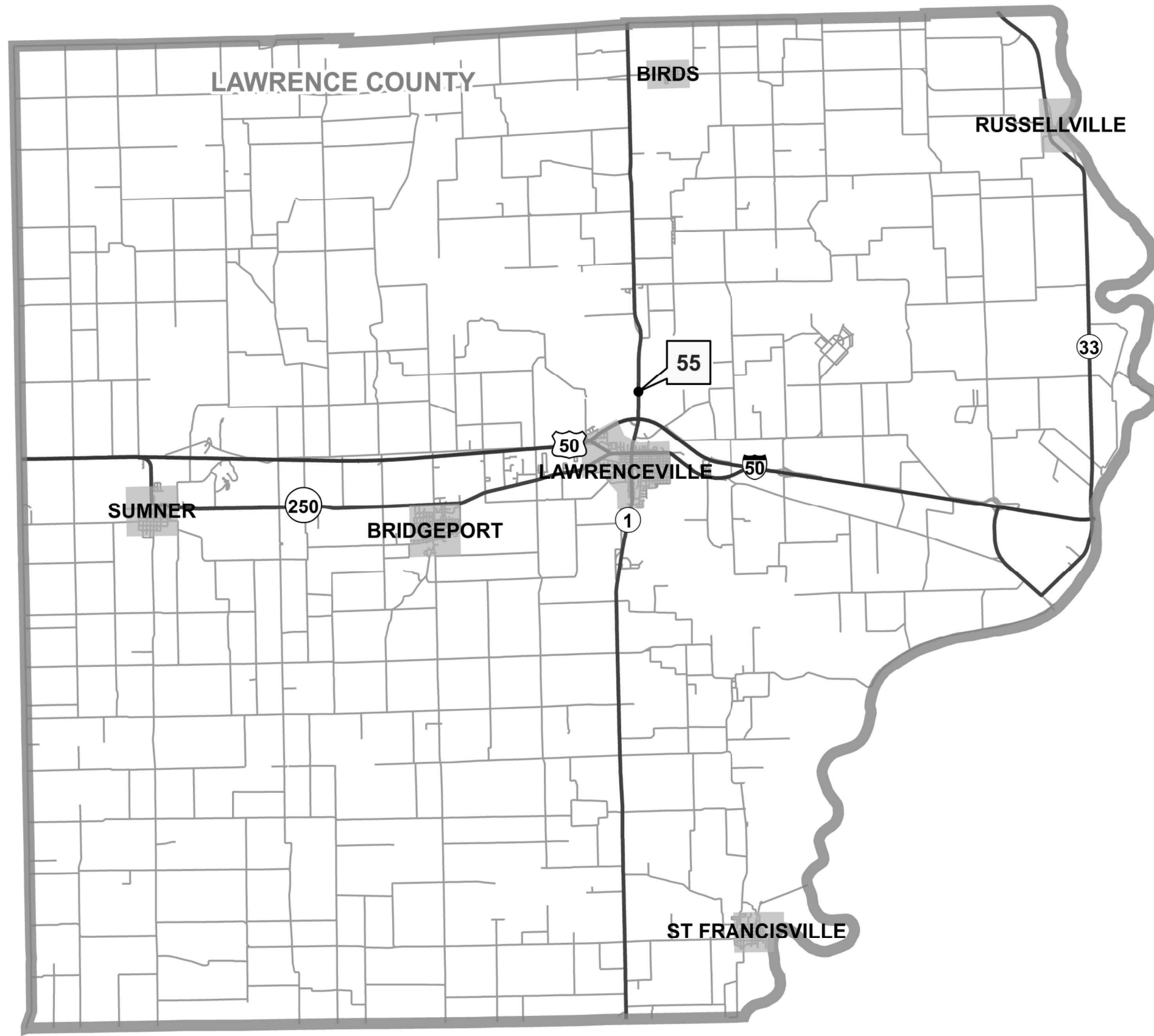
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FAYETTE CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	14
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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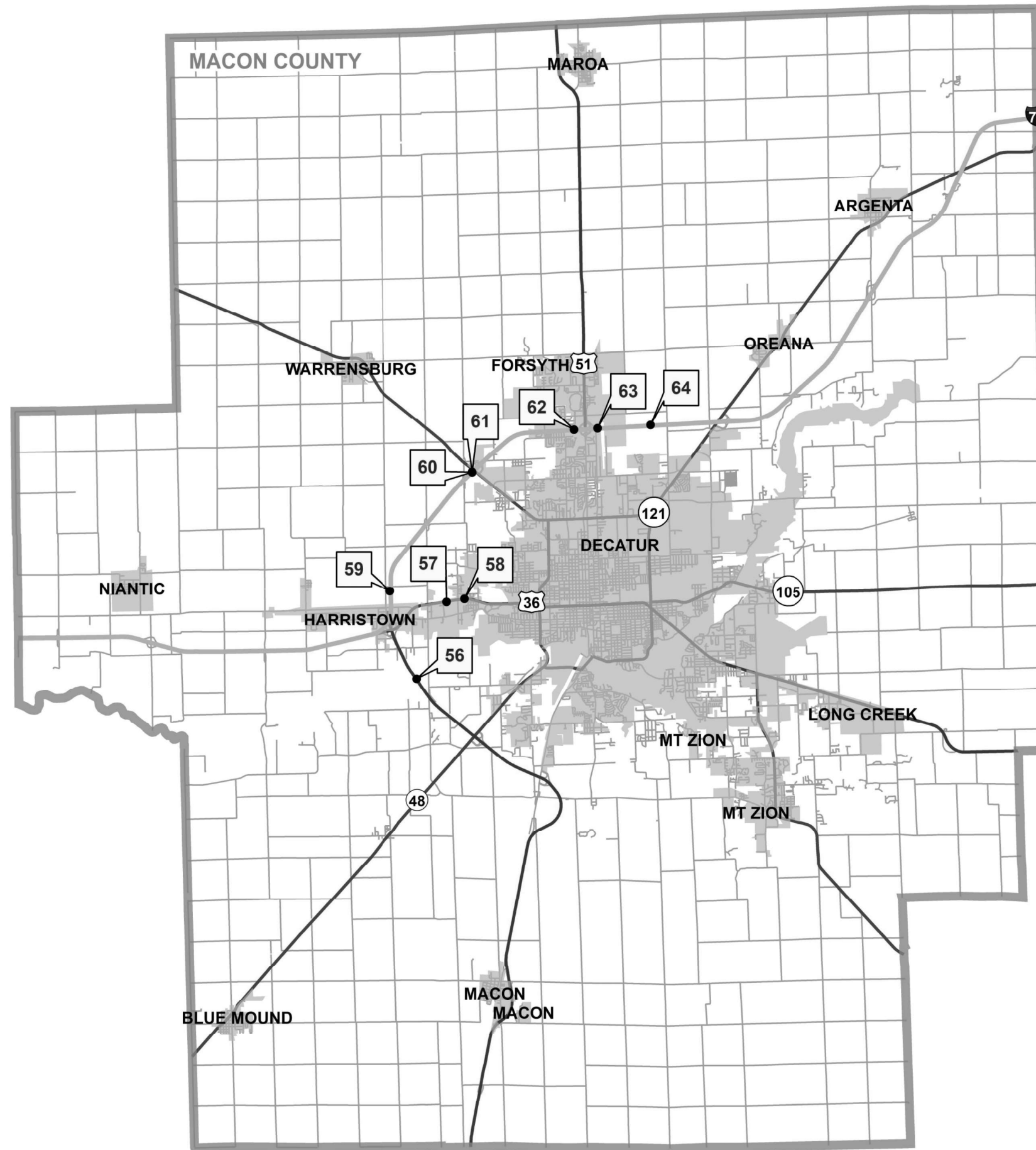
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LAWRENCE CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	15
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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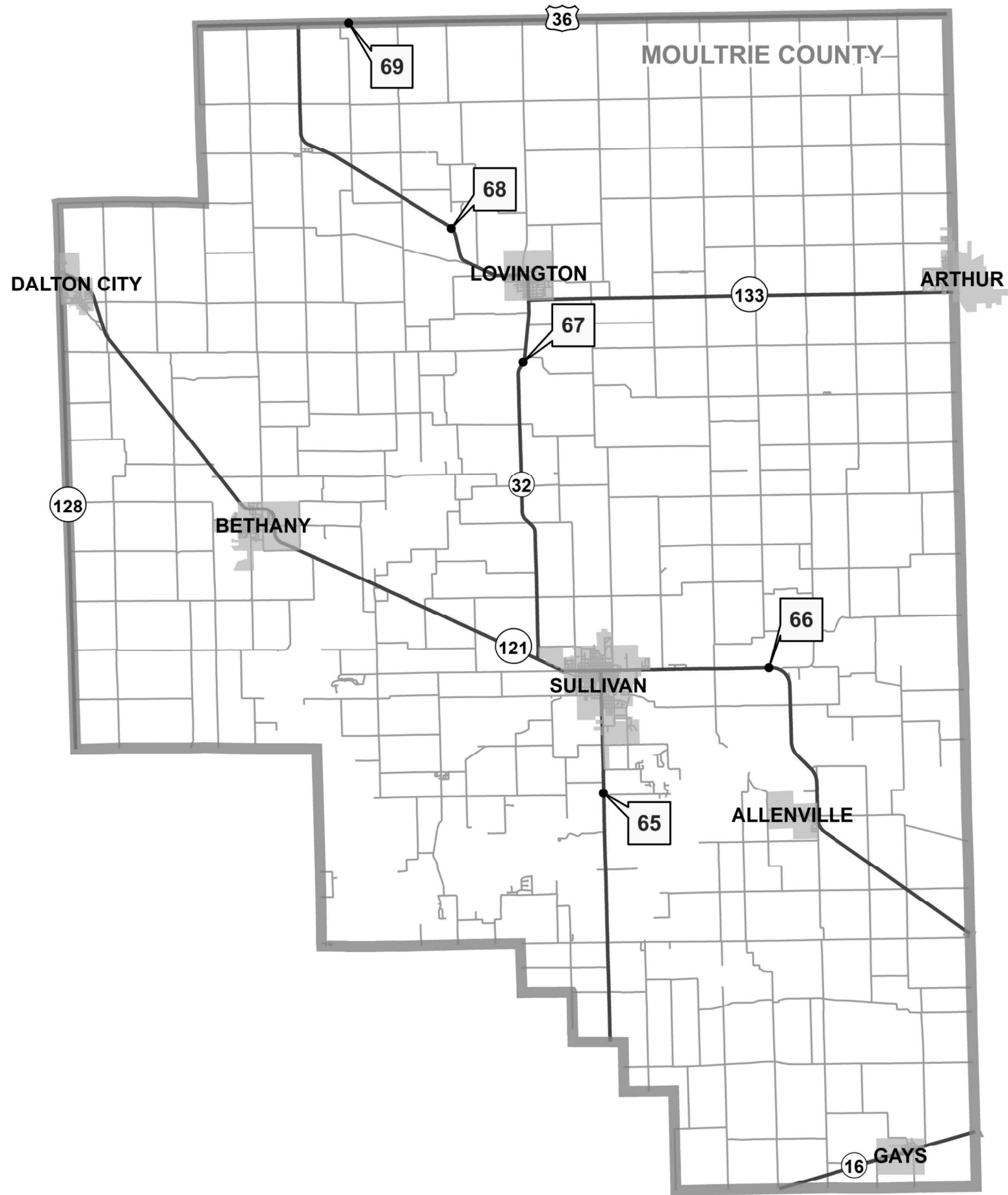
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MACON CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	16
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				





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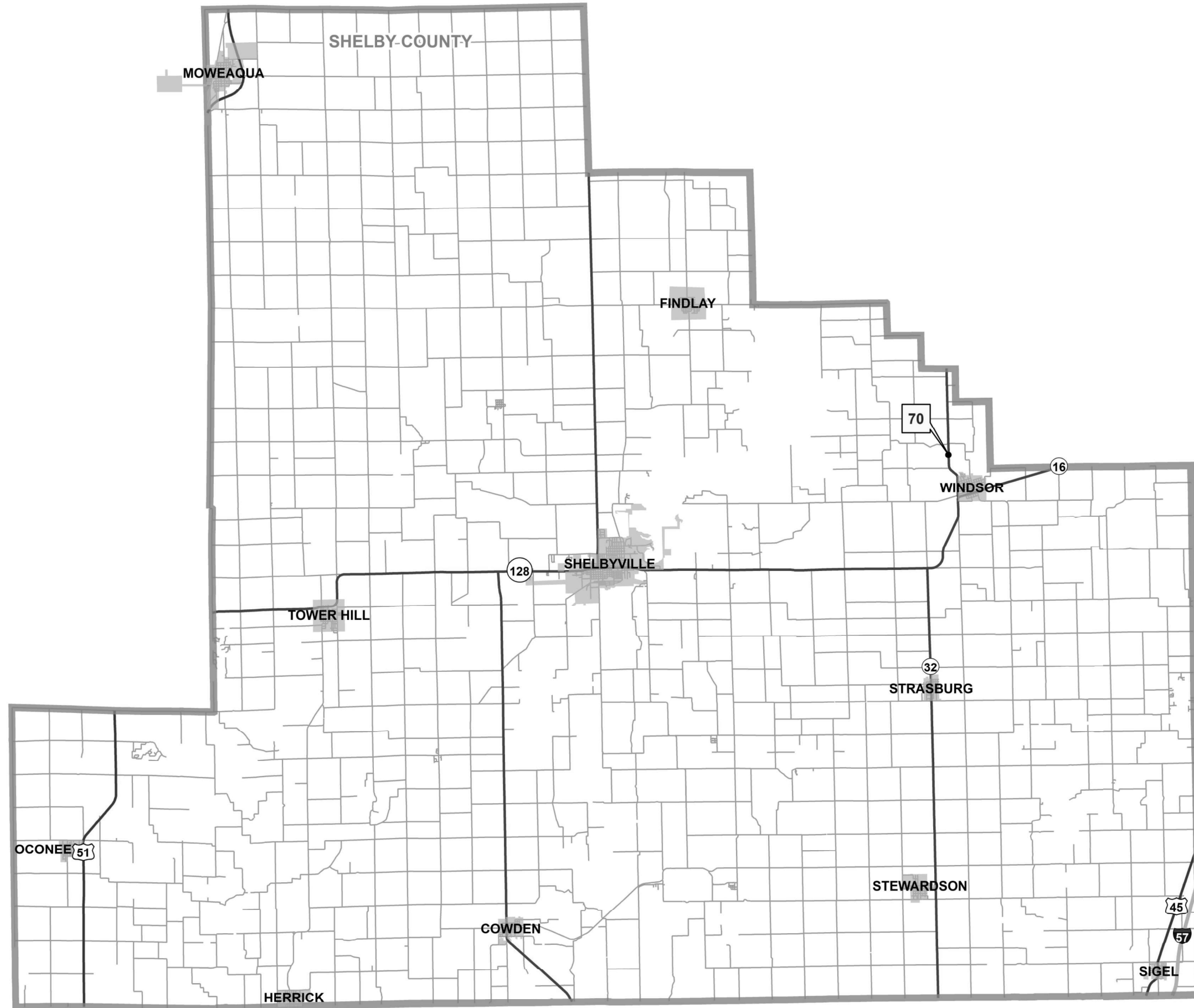
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MOULTRIE CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	17
			CONTRACT NO. 74A45	
		ILLINOIS	FED. AID PROJECT	



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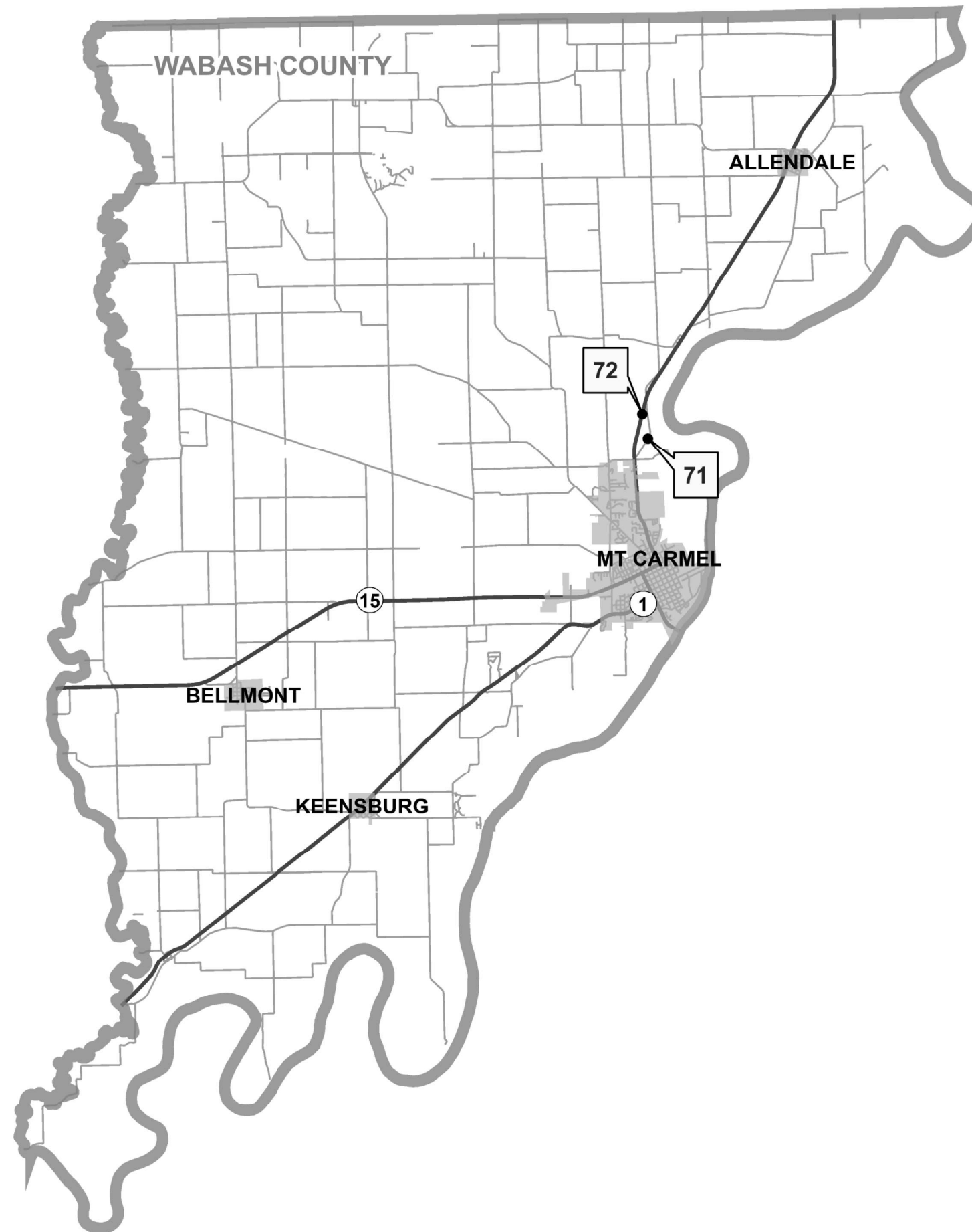
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SHELBY CO LOCATIONS MAP**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	18
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				



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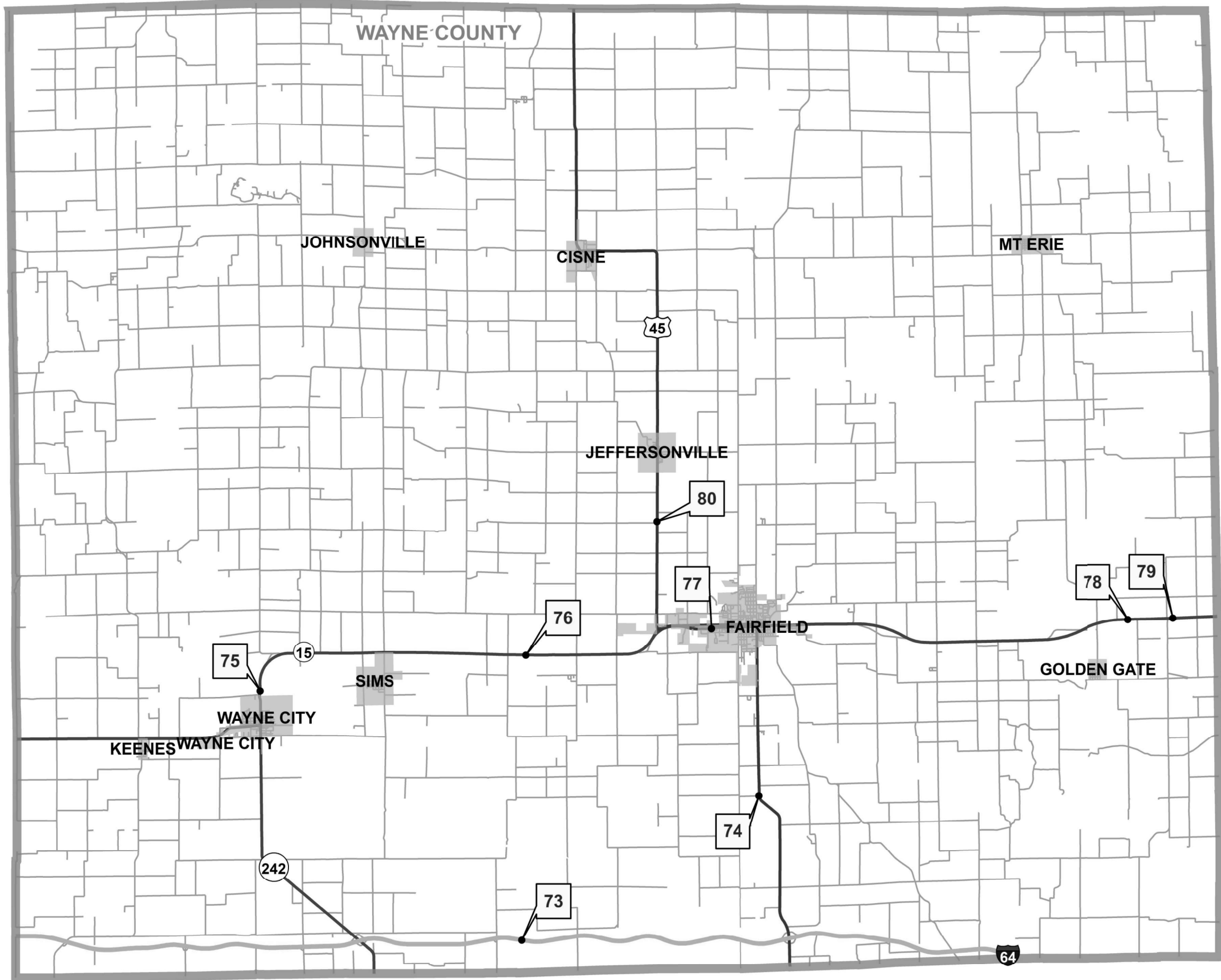
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WABASH CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	19
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				



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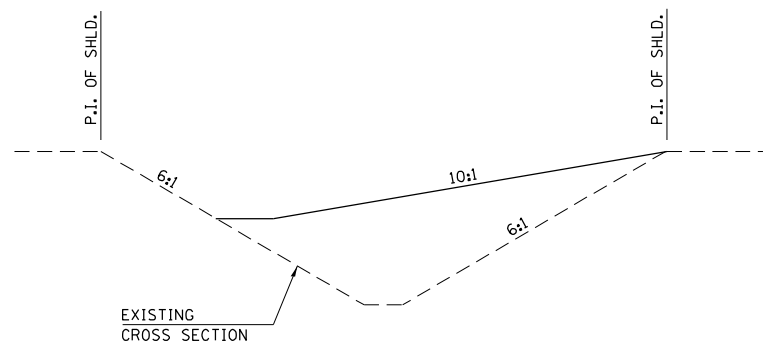
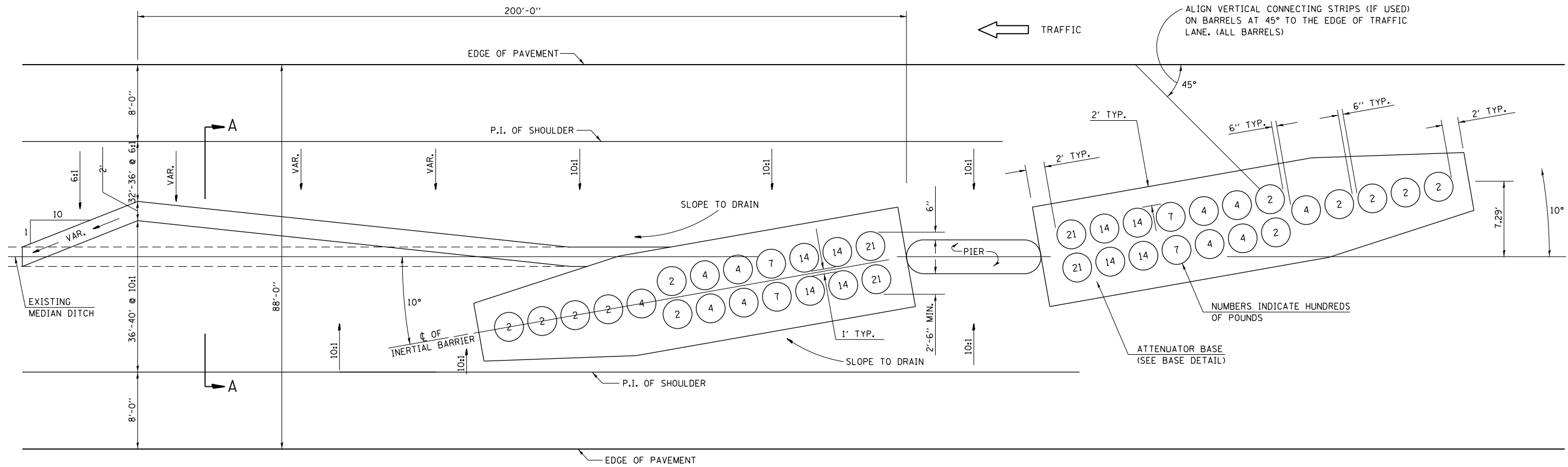
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

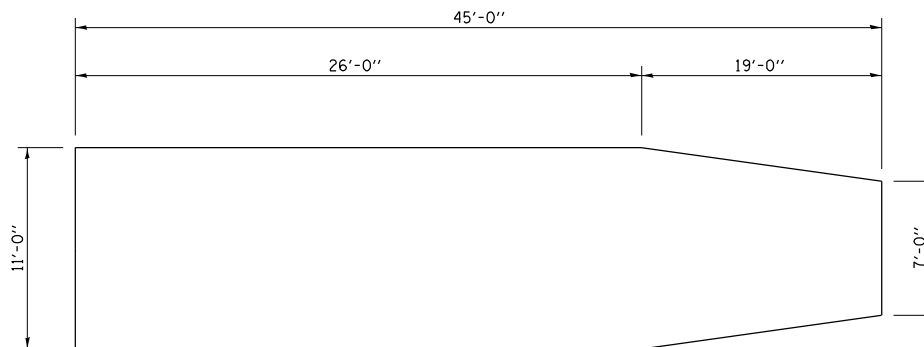
**WAYNE CO. LOCATIONS MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	WAYNE	21	20
			CONTRACT NO. 74A45	
ILLINOIS FED. AID PROJECT				



SECTION A-A  
GRADING AND SHAPING DETAIL



BASE DETAIL

GENERAL NOTES

1. ALL 10:1 SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' x 7.0' : 19 MODULES - 14,400 LBS.
4. IN AREAS OF 10:1 SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' INTERVALS IN THE MEDIAN  $\phi$ . SEE SPECIAL PROVISIONS AND SCHEDULES.

**NOTE:**  
This sheet applies ONLY when making partial repair of an existing sand barrel array that was installed according to this drawing. Use Standard 643001 for a complete replacement.

NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. Z0030150**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING SAND BARRELS DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 GUARDRAIL 2021-2	VARIOUS	21	21
CONTRACT NO. 74A45				
ILLINOIS FED. AID PROJECT				