STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

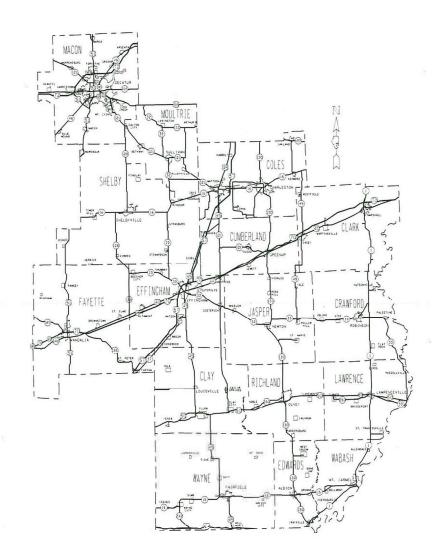
FOR INDEX OF SHEETS, SEE SHEET NO. 2

# **PROPOSED** HIGHWAY PLANS

**VARIOUS ROUTES SECTION D7 GUARDRAIL 2023-1** 

**GUARDRAIL MAINTENANCE VARIOUS COUNTIES** 

C-97-084-22



D-97-037-22



STATE OF ILLINOIS

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ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123

PROJECT ENGINEER BRIAN LEWIS PROJECT MANAGER ANDREW NIEMERG

CONTRACT NO. 74B20

#### **GENERAL NOTES**

THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN SIXTEEN 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.

THIS PROJECT INCLUDES REPAIRS OF EXISTING DAMAGE AT KNOWN LOCATIONS AND REPAIRS OF FUTURE DAMAGE ON AN ON-CALL BASIS.

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

#### SHEET NO. ITEM

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES & LIST OF STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULES OF OUANTITIES
- 5-11 LOCATION MAPS BY COUNTY
- 12 SAND BARREL DETAILS

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

#### STD. NO. DESCRIPTION

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
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
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 NONTRAVE
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
000001-08	STANDARD SYMBOLS OF AN INCH AND OF A FOOT
001006	DECIMAL OF AN INCH AND OF A FOOT
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
636001-02	CABLE ROAD GUARD SINGLE STRAND URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701501-06	ONDAN LANE CLOSUNE, ZE, ZW, ONDIVIDED

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	SUMMARY OF QUANTITIES			0021	OO21	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	MCHD	C.M.	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1	
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1		1	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	11	7	4	
	TANGENT					
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	3	2	1	
	FLARED					
63600105	CABLE ROAD GUARD, SINGLE STRAND	FOOT	100		100	
						į
66500105	WOVEN WIRE FENCE, 4'	FOOT	100		100	
67100100	MOBILIZATION	L SUM	1	0.5	0.5	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	18	12	6	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24	14	10	
X6300210	GUARDRAIL BLOCKS	EACH	122	82	40	
X6300215	RAIL ELEMENT PLATES	EACH	111	76	35	
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	6	4	2	
x6300220	EXTRUDER HEAD	EACH	4	3	1	

	SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
	SUMMART OF QUANTITIES	_	TOTAL	0021	0021			
CODE NO	ITEM	UNIT	QUANTITIES	MCHD	C.M.			
x6300225	SINGLE END SECTION	EACH	1	1				
	O.M.   O.M.		•	-				
X6300231	STEEL POST, ATTACHED TO STRUCTURES	EACH	4		4			
<u> </u>								
X6300236	STEEL POSTS 6'	EACH	100	69	31			
X6300239	STEEL POSTS 9'	EACH	6		6			
			-		-			
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND	EACH	21	6	15			
	MODULE							
1								
-								
Z0008760	EMERGENCY WORK CALL OUT	EACH	6		6			
7000050		- A O	_					
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1	EACH	5	4	1			
	SPECIAL - POST							
Z0052410	DEDAID TRAFFIC BARRIER TERMINAL TYPE 1	EACH	11	8	3			
20052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	11	0	<u> </u>			
	SPECIAL (TANGENT)							
70052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1				
1   20032800	THE TRAFFIC BANKIER TERMINAL, THE Z	LACII	1	1				
Z0052900	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 4	EACH	1		1			
1								
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1		1			
Z0053220	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1		1			
	24 444 12 2444 244 244	_ =	·					
	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL -							
Z0059660		EACH	8	4	4			
J [	<u> </u>	1	<u> </u>					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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				F.A. RTE		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES				VAF	R	D7 GUARDRAIL 2023	3-1	VARIOUS	12	3
								CONTRACT	NO. 74	B20
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VAR D7 GUARDRAIL 2023-1 VARIOUS 12 4 USER NAME = steffenmk DESIGNED -REVISED STATE OF ILLINOIS QUANTITY SCHEDULE DRAWN REVISED -CHECKED -REVISED **DEPARTMENT OF TRANSPORTATION** PLOT SCALE = 100.0000 / in. CONTRACT NO. 74B20 PLOT DATE = 4/8/2022 DATE REVISED SCALE: SHEET OF SHEETS STA. TO STA.

Map Location	Route	County	Nearest Municipality	Latitude	Longitude	MCHD or Contract Maintainence	Claim Number	Rail Element Plates (Each)	Rail Element Plates (Radius) (Each)	Guardrail Blocks (Each)	Stael Posts 6' (Each)	Single End Section (Each)	Repair Traffic Barrier Terminal Type 1 Special (Tangent) (Each)	Repair Traffic Barrier Terminal Type 2 (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 6 (Each)	Remove and Replace Impact Attenuator Sand Module (Each)	Terminal Marker - Direct Applied (Each)	Guardrail Reflectors, Type A (Each)
1	IL 121 EB	COLES	MATTOON	39.50120	-88.43420	MCHD	824663		2	1	2			1									1
2	IL 130 NB	COLES	CHARLESTON	39.53020	-88.17720	MCHD	824664						1										
3	I-57 NB MP 196.7	COLES	HUMBOLDT	39.58582	-88.31129	MCHD	824554												1			1	
4	I-57 NB MP 199.4	COLES	ARCOLA	39.62221	-88.29376	MCHD	824555												1			1	
5	I-70 EB MP 118.36	CUMBERLAND	GREENUP	39.25408	-88.16631	MCHD	824573	20		3													
6	I-57 SB MEDIAN	CUMBERLAND	NEOGA	39.29686	-88.45274	MCHD	824574														6		
7	IL 130 SB	CUMBERLAND	GREENUP	39.30790	-88.13930	MCHD	824667	2		3													
8	I-57 NB MP 175.8	CUMBERLAND	NEOGA	39.31550	-88.43828	MCHD	824553						1										
9	I-57 SB MP 177	CUMBERLAND	NEOGA	39.33180	-88.43300	MCHD	824666	5		2	2		ļ									<u> </u>	
10	I-57 NB MP 177.8	CUMBERLAND	NEOGA	39.34259	-88.42771	MCHD	824642	2		2	4		<u> </u>									<u> </u>	
11	I-57 SB MP 177.5	CUMBERLAND	NEOGA	39.34390	-88.42755	MCHD	824643	2		<u> </u>												<u> </u>	
12	I-70 WB MP 80.2	EFFINGHAM	ALTAMONT	39.03320	-88.78440	MCHD	824653	6		7	7												2
13	I-70 EB MP 89	EFFINGHAM	EFFINGHAM	39.07910	-88.63270	MCHD	824650			3	1		1		_	-	1					1	1
14	I-70 FB MP 89.5	EFFINGHAM	EFFINGHAM	39.08170	-88.62410	MCHD	824651	2		2	2		1		2	4	11				<u> </u>	1	1
15	I-57 NB MP 157	EFFINGHAM	EFFINGHAM	39.08240	-88.58080	MCHD	824665	1										1			+	1	
16	I-70 EB MP 92.5	EFFINGHAM	EFFINGHAM	39.10130	-88.57450	MCHD	824652	4		3	2		<u> </u>					<u> </u>	1		1	<del></del>	
17	I-57 NB MP 161.5	EFFINGHAM	EFFINGHAM	39.14400	-88.53940	MCHD	824649	4		6			1				1	+	1			1	2
18	I-57/70 MP 161.5	EFFINGHAM	EFFINGHAM	39.14420	-88.53760	MCHD MCHD	824654	2		1 4	1 1		1				1		1		1	1	
20	I-57 SB TO EB RAMP I-70 EB MP 54.5	EFFINGHAM FAYETTE	EFFINGHAM MULBERRY GROVE	39.15185 38.93260	-88.50885 -89.23686	MCHD	824579 824577	3		4	4		1						1				_
21	I-70 EB MP 55	FAYETTE	MULBERRY GROVE	38.93670	-89.22600	MCHD	824659			1	1		1		<u> </u>			1	1		1	1	1
22	I-70 EB MP 59.4	FAYETTE	VANDALIA	38.96222	-89.15354	MCHD	824564	2		2	2						<u> </u>	1	<del> </del>		1	1	1
23	I-70 WB MP 67	FAYETTE	VANDALIA	38.97520	-89.02800	MCHD	824656	2		1	1		<u> </u>			le .		1	1		1		+
24	I-70 WB MP 66	FAYETTE	VANDALIA	38.97560		MCHD	824658			2			1					<u> </u>			1		1
25	I-70 WB MP 64	FAYETTE	VANDALIA	38.97630	-89.06000	MCHD	824657											1			1	1	1
26	I-70 EB MP 76.7	FAYETTE	ST. ELMO	39.01385	-88.84837	MCHD	824560													1			1
27	I-70 WB MP 77.5	FAYETTE	SAINT ELMO	39.01460	-88.84660	MCHD	824655	8	İ	11	11	İ	İ		İ			1	İ		İ	1	2
28	US 51 SB MP 1.76	MACON	MACON	39.67919	-89.00657	MCHD	824556						1		2								
29	IL 121 NB MP 2.0	MACON	HERVEY CITY	39.74147	-88.83831	MCHD	824561	1										1				1	
30	US 51 SB MP 7.53	MACON	ELWIN	39.75821	-88.98512	MCHD	824571	1		1	1												
31	IL 48 MP 8.57	MACON	BOODY	39.77934	-89.03206	MCHD	824575		2		4												
32	US 51 SB	MACON	DECATUR	39.82740	-88.95360	MCHD	824661	3		2													
33	US 36 EB	MACON	DECATUR	39.83320	-88.91000	MCHD	824662	1		2	2												
34	US 51 NB	MACON	DECATUR	39.83700	-89.04480	MCHD	824660	2		1	1												1
35	IL 32 & IL 133	MOULTRIE	LOVINGTON	39.70996	-88.63424	MCHD	824566	2		3	5	1						<u> </u>			1	<u> </u>	$\perp$
36	I-57 SB MP 170.7	SHELBY	SIGEL	39.24815	-88.47752	MCHD	824552	- 4		14	_							1			1	1	<del>                                     </del>
37	US 51 SB MP 6.0	SHELBY	OCONEE	39.30094	-89.08902	MCHD	824576	4	<u> </u>	6	5	<u> </u>	<u> </u>		<u> </u>			1	<u> </u>		+	<del></del>	<del>                                     </del>
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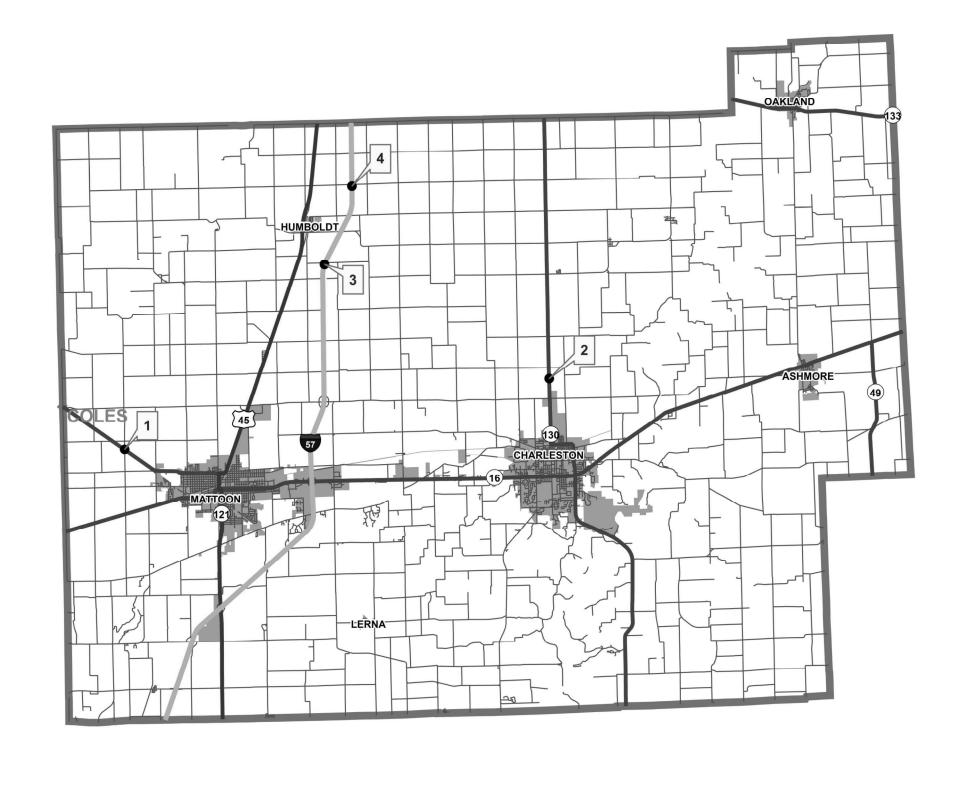
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**DEPARTMENT OF TRANSPORTATION** 



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VAR D7 GUARDRAIL 2023-1 VARIOUS 12 5

CONTRACT NO. 760-2

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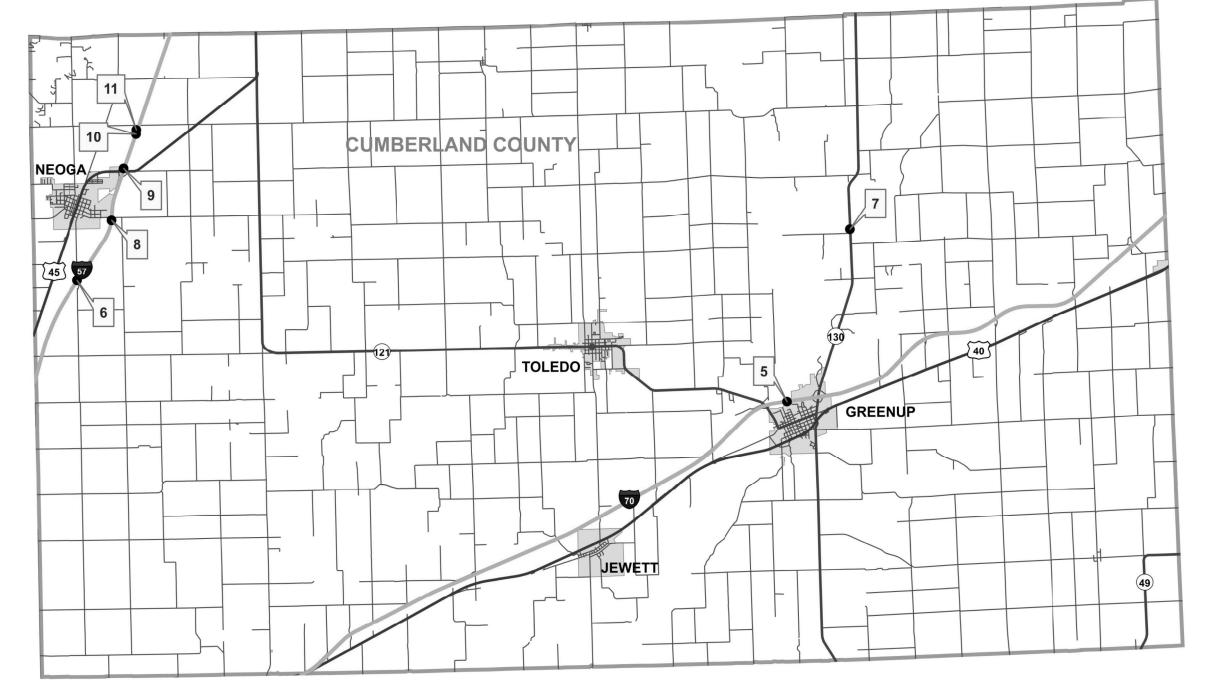
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**DEPARTMENT OF TRANSPORTATION** 

VAR D7 GUARDRAIL 2023-1 VARIOUS 12 6

CONTRACT NO. 7655

CUMBERLAND COUNTY

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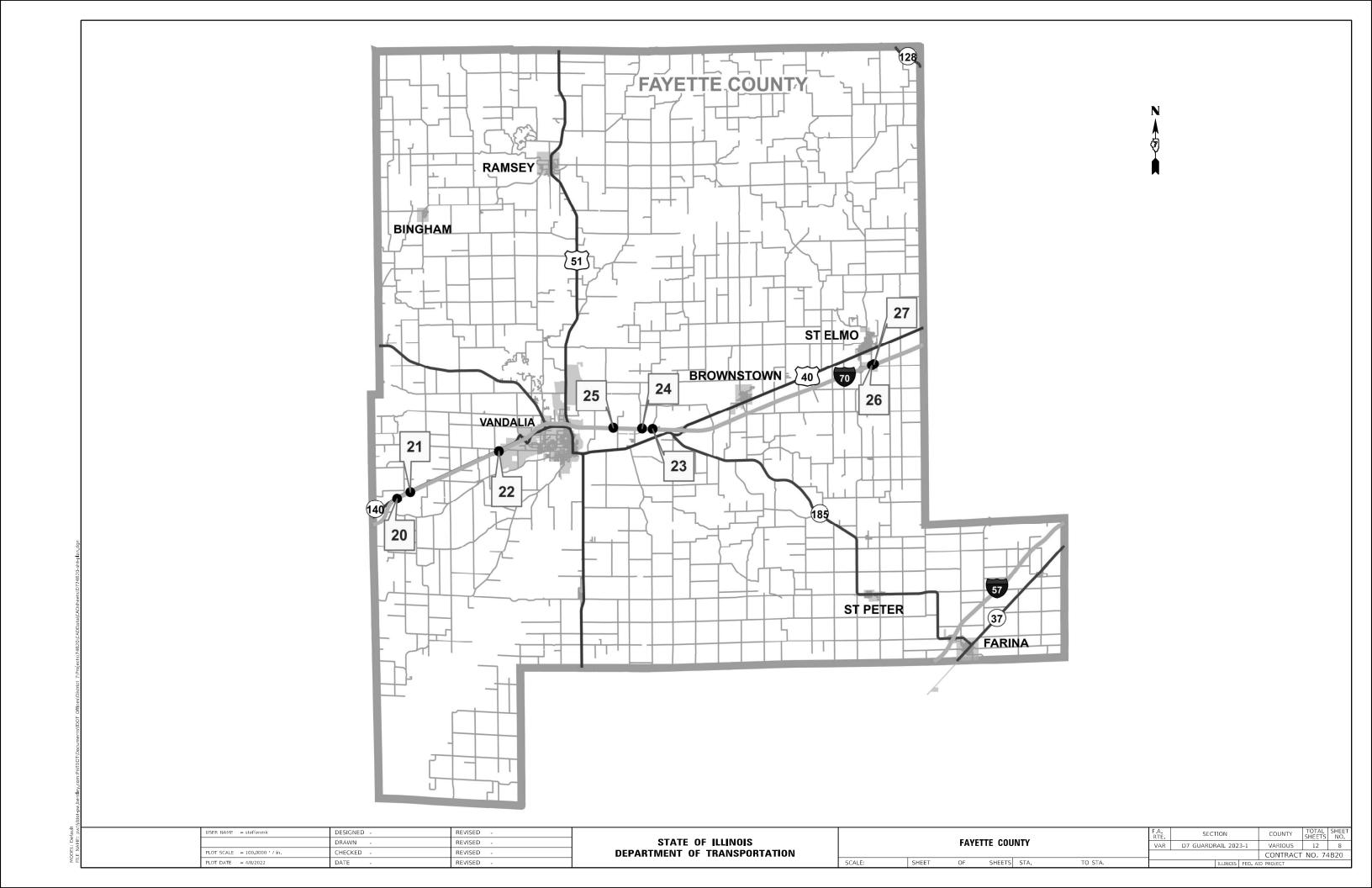
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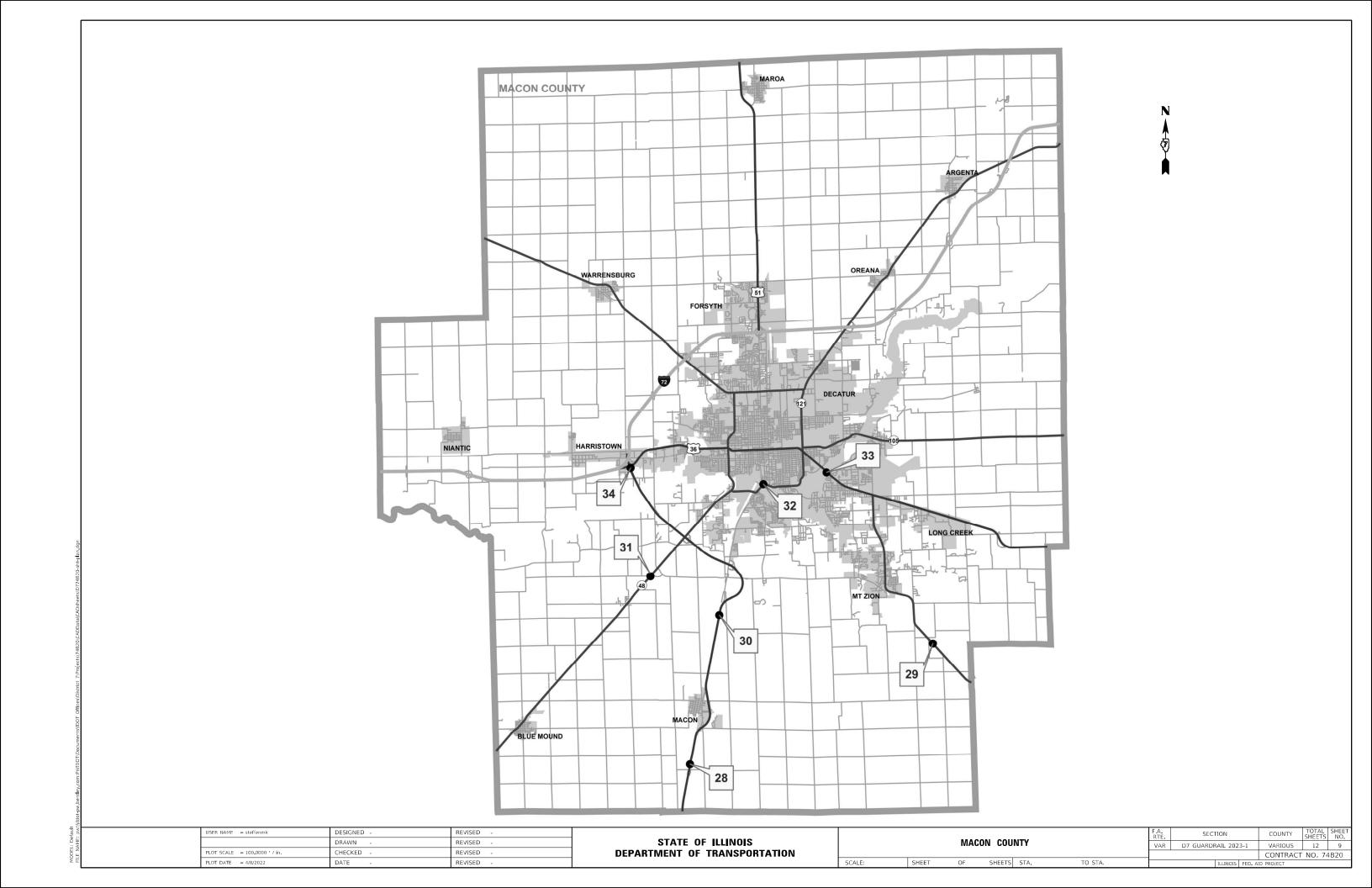
(32) SHUMWAY -(33)-57 BEECHER CITY [45] 19 17 MONTROSE 40 18 EFFINGHAM TEUTOPOLIS 16 128 [40] 33 DIETERICH 15 **ALTAMONT** 14 **45** { 70 13 57 WAT\$ON 12 MASON EDGEWOOD VAR D7 GUARDRAIL 2023-1 VARIOUS 12 7

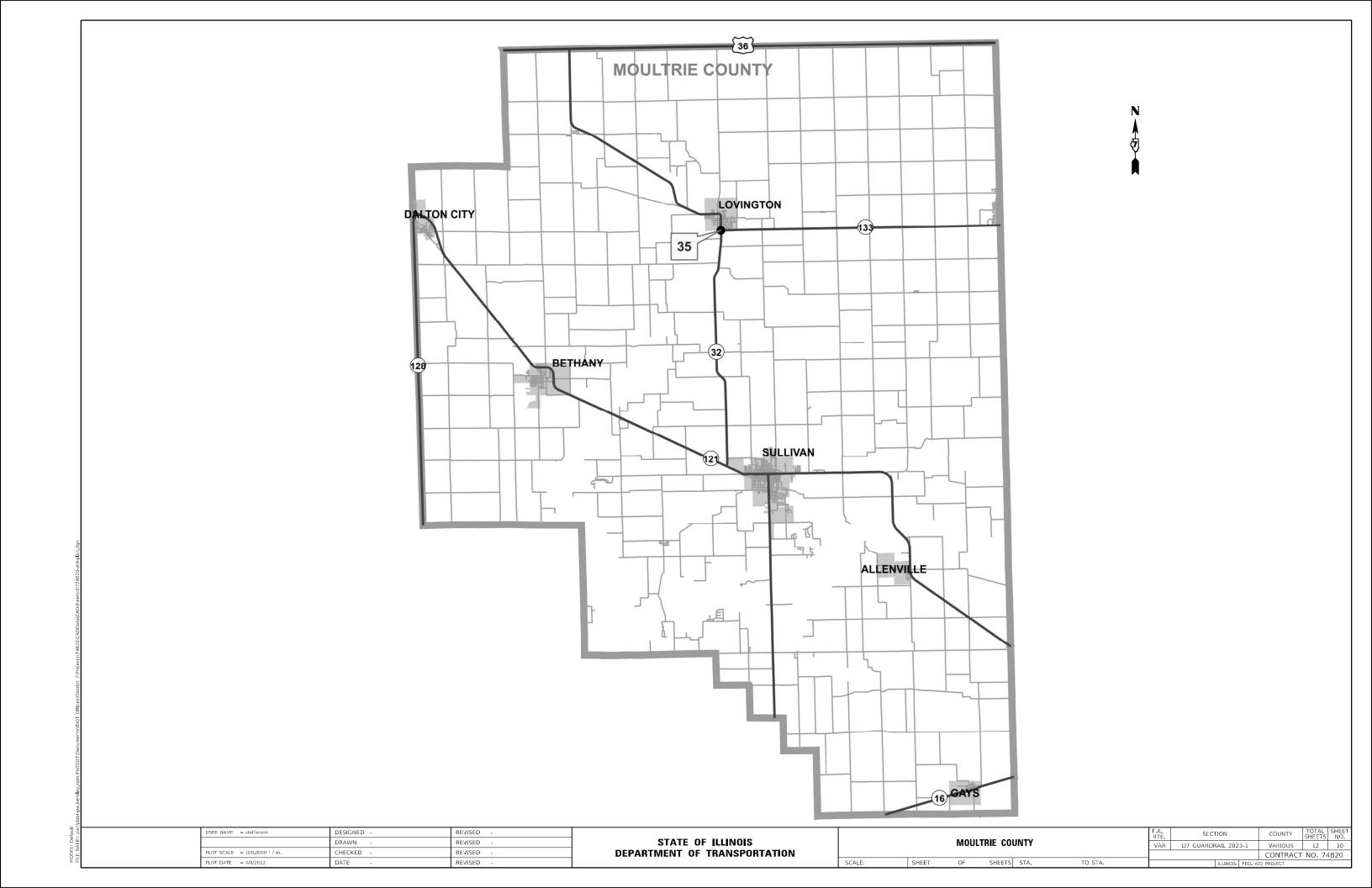
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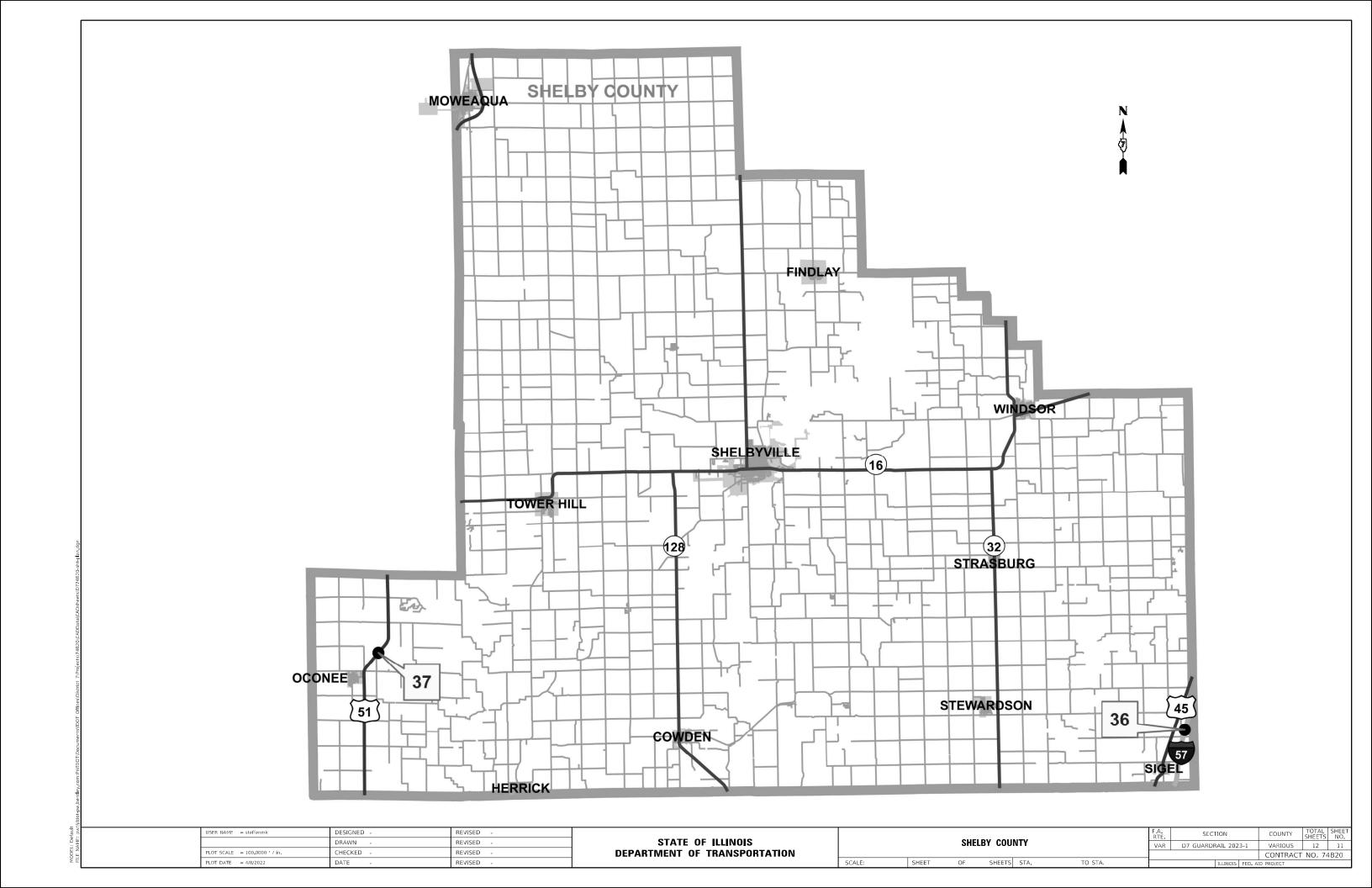
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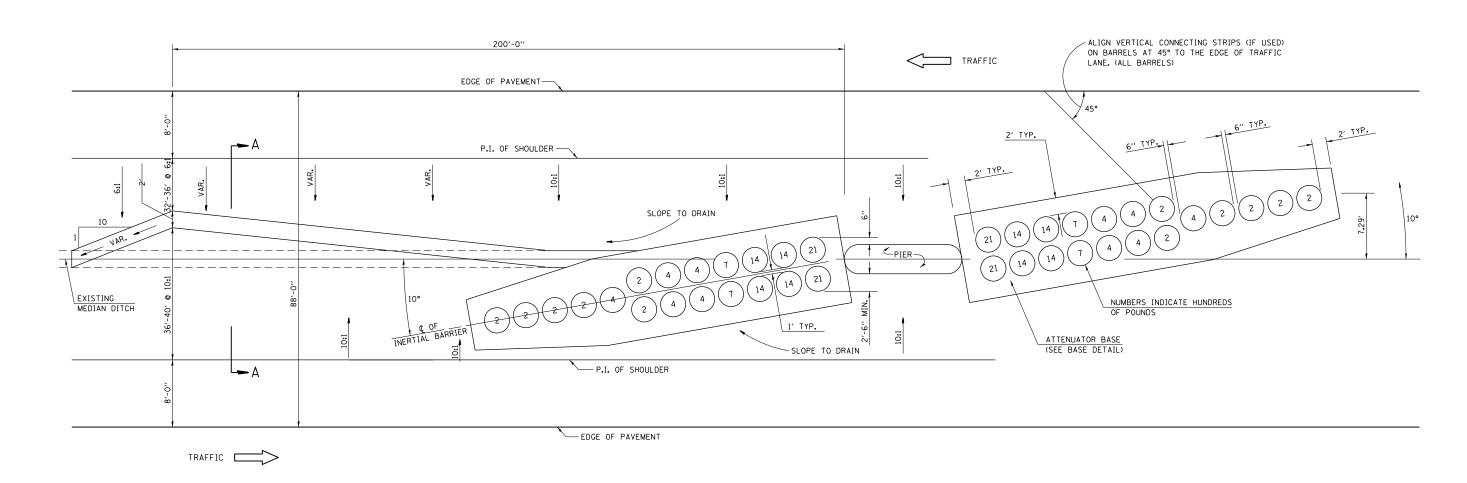
EFFINGHAM COUNTY

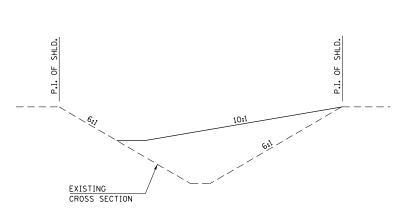




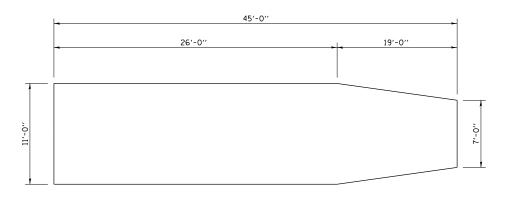








## SECTION A-A GRADING AND SHAPING DETAIL



BASE DETAIL

SCALE:

- 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.

GENERAL NOTES

- 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 \$\(\big(\text{L}\). 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

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VAR	D7 GUARDRA	AIL 202	VARIOUS	12	12	
				CONTRACT	NO. 74	4B20
	I	D PROJECT				