

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 GUARDRAIL 2024-2	**	11*	1
* VARIOUS			** MADISON / JERSEY	
			* 11 + 2 = 13 TOTAL SHEETS	

**INDEX OF SHEETS**

1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULES OF QUANTITIES
* 5-11	GUARDRAIL PLANS
11A	DETAILS

\* INCLUDES SHEET 6A

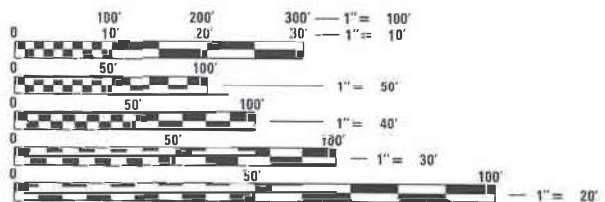
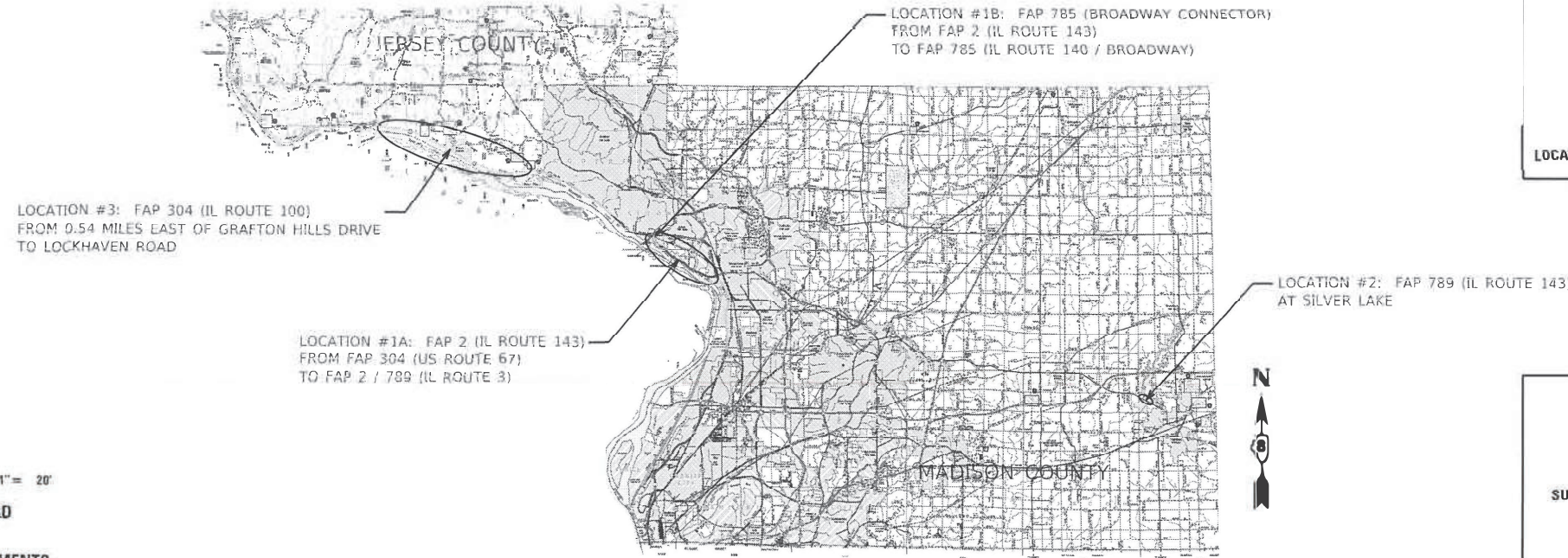
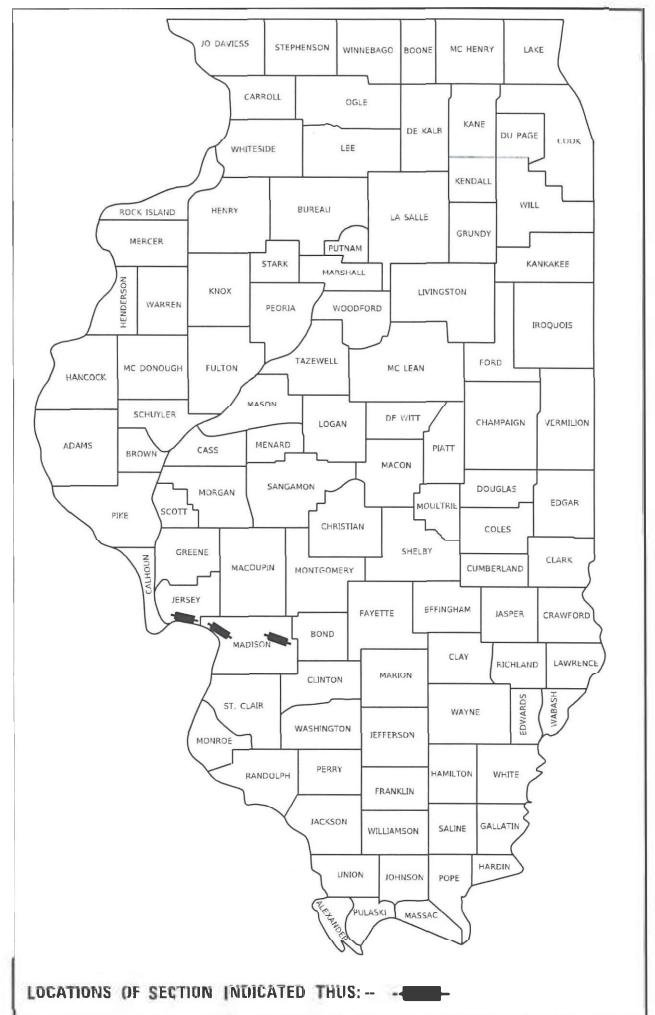
**HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-12	STEEL PLATE BEAM GUARDRAIL
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701421-09	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
643001-02	SAND MODULE IMPACT ATTENUATORS
BLR 23-4	TRAFFIC BARRIER TERMINAL TYPE 1

**PROPOSED  
HIGHWAY PLANS**

**VARIOUS ROUTES  
SECTION DIST 8 GUARDRAIL 2024-2  
PROJECT HSIP-761C(975)  
GUARDRAIL REPLACEMENT – HSIP  
MADISON / JERSEY COUNTIES**

C-98-041-23



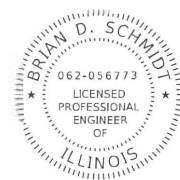
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: BILLIE OWEN  
PROJECT MANAGER:

CONTRACT NO. 76R79

PLANS PREPARED BY  
**FUHRMANN ENGINEERING**  
1022 Eastport Plaza Drive  
Collinsville, Illinois 62234  
Phone: (618) 655-8000  
Illinois Professional Design Firm  
No. 184-003252  
License Expires 4/30/2024



*Brian D. Schmidt* 7/1/2022  
Date  
License Expires 11/30/2023

GROSS LENGTH = 66422 FT. = 12.58 MILE  
NET LENGTH = 66422 FT. = 12.58 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *July 1 2022*  
*Kurt Brumm*  
REGIONAL ENGINEER

August 19, 2022  
*Scott A. Etkin*  
ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 2022  
*Stephen M. Lewis*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

90% FED 10% STATE

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0021	0021	0021
CODE NO	ITEM	UNIT	TOTAL	LOCATION 1	LOCATION 2	LOCATION 3
				ALTON	HIGHLAND	GRAFTON
				URBAN	URBAN	RURAL
				SAFETY	SAFETY	SAFETY
6300001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	47400.00	5575.00	4050.00	37775.00
6300003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	8687.50	8125.00	387.50	175.00
6300017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	9825.00	9825.00	0.00	0.00
6310045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	19	16	0	3
6310070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	3	3	0	0
6310085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	14	8	0	6
<del>6310087</del>	<del>TRAFFIC BARRIER TERMINAL, TYPE 6A</del>	<del>EACH</del>	<del>4</del>	<del>0</del>	<del>4</del>	<del>0</del>
6310017	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	21	12	4	5
63200310	GUARDRAIL REMOVAL	FOOT	68714.75	25439.75	4787.50	38487.50
6430045	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8	8	0	0
67100100	MOBILIZATION	L SUM	1.00	0.33	0.33	0.34
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0	1	0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	0
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	22	13	4	5

\* SPECIALTY ITEM

90% FED 10% STATE

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				0021	0021	0021
CODE NO	ITEM	UNIT	TOTAL	LOCATION 1	LOCATION 2	LOCATION 3
				ALTON	HIGHLAND	GRAFTON
				URBAN	URBAN	RURAL
				SAFETY	SAFETY	SAFETY
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	403	253	30	120
X2300007	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1	1	0	0
X6310188	TRAFFIC BARRIER TERMINAL, TYPE 6A (MODIFIED)	EACH	4		4	
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	8		0	0
X7010001	MOBILE BARRIER TRAILER	L SUM	1	0.5		0.5
X7010100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	EACH	2	1	0	1
X9700021	MOBILE BARRIER TRAILER	L SUM	1.0	0.5		0.5
Ø Z0076600	TRAINEES	hour	1500	1500		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	hour	1500	1500		

\* SPECIALTY ITEM

Ø 0042

REVISED 9-12-2022

REV. - MS

MODEL: C:\FEI\005\202020-1686 PTB 197-AD VARIOUS PH 1 & II DB - FEI PRIME TEAMING INNI EADAR, LLC\05-00\CAD\CADD\_Sheets\03\_DB\7679-00-500.dgn



USER NAME = untitled	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/30/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 GUARDRAIL 2024- HSIP-761C(975)	**	11	3

ILLINOIS FED. AID PROJECT CONTRACT NO. 76R79 \* VARIOUS \*\* MADISON / JERSEY

GUARDRAIL REMOVAL					
LOCATION	SIDE	MILE STATION		GUARDRAIL REMOVAL FOOT	REMOVE IMPACT ATTENUATORS, NO SALVAGE EACH
		BEGIN	END		
1A	RT	0.01	0.13	738.25	
1A	RT	0.17	0.47	1650.75	
1A	LT	0.17	0.46	1587.50	
1A	LT	0.48	0.69	1187.50	
1A	MEDIAN	0.74	0.88	712.50	2
1A	LT	0.91	0.97	362.50	
1A	LT	1.01	1.10	475.00	
1A	MEDIAN	1.08	1.20	625.00	1
1A	MEDIAN	1.20	1.39	1000.00	
1A	MEDIAN	1.39	1.63	1300.00	
1A	LT	1.47	1.66	1012.50	
1A	MEDIAN	1.62	2.24	3250.00	1
1A	RT	2.26	2.86	3212.50	
1A	LT	2.54	2.62	400.00	
1A	LT	2.69	2.76	362.50	
1A	LT	2.90	2.94	237.50	
1A	RT	2.90	2.94	237.50	
1A	LT	3.11	3.14	200.00	
1A	LT	3.16	3.38	1137.50	
1A	MEDIAN	3.37	3.54	875.00	1
1A	MEDIAN	3.53	3.84	1587.50	1
1A	RT	3.56	3.64	412.50	
1A	MEDIAN	3.86	3.99	650.00	2
1A	RT	3.97	4.04	387.50	
1B	LT	0.00	0.15	912.50	
1B	RT	0.01	0.18	925.75	
2	LT	32.00	32.37	1962.50	
2	RT	32.00	32.37	1925.00	
2	RT	32.38	32.41	137.50	
2	LT	32.38	32.43	250.00	
2	RT	32.41	32.43	75.00	
2	LT	32.43	32.51	437.50	
3	RT	20.43	22.10	8800.00	
3	LT	20.89	20.93	187.50	
3	LT	22.12	22.15	150.00	
3	RT	22.12	23.74	8537.50	
3	LT	23.76	23.80	200.00	
3	RT	23.76	27.48	19662.50	
3	RT	27.53	27.71	950.00	
TOTAL				68714.75	8

GUARDRAIL															
LOCATION	SIDE	MILE STATION		STEEL PLATE BEAM GUARDRAIL, TYPE A,		STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL,					IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	
		BEGIN	END	6 FOOT POSTS	9 FOOT POSTS		FOOT	TYPE 1	TYPE 1 (SPECIAL) TANGENT	TYPE 2	TYPE 5				TYPE 6
1A	RT	0.01	0.13	687.50											14
1A	RT	0.17	0.47		1625.00					1					9
1A	LT	0.17	0.46		1537.50		1				1			1	8
1A	LT	0.48	0.69		1125.00			1	1					1	7
1A	MEDIAN	0.74	0.88			712.50							2		12
1A	LT	0.91	0.97		300.00			1	1					1	5
1A	LT	1.01	1.10		412.50			1	1					1	6
1A	MEDIAN	1.08	1.20			612.50				1			1		12
1A	MEDIAN	1.20	1.39			975.00				2					6
1A	MEDIAN	1.39	1.63			1237.50		1	1					1	8
1A	LT	1.47	1.66	950.00				1	1					1	7
1A	MEDIAN	1.62	2.24			3200.00		1					1	1	26
1A	RT	2.26	2.86		3125.00			1						1	22
1A	LT	2.90	2.94		162.50										1
1A	RT	2.90	2.94		162.50										1
1A	LT	3.11	3.14		112.50			1						1	5
1A	LT	3.16	3.38		1075.00			1	1					1	7
1A	MEDIAN	3.37	3.54			862.50				1			1		14
1A	MEDIAN	3.53	3.84			1575.00				1			1		24
1A	RT	3.56	3.64	350.00				1	1					1	5
1A	MEDIAN	3.86	3.99			650.00							2		14
1A	RT	3.87	3.99	325.00				1	1					1	5
1B	LT	0.00	0.15	850.00				1	1					1	16
1B	RT	0.01	0.18	900.00						1				1	19
2	LT	32.00	32.37	1875.00				1					1		5
2	RT	32.00	32.37	1837.50				1					1		9
2	RT	32.38	32.41	100.00									1		1
2	LT	32.38	32.43	212.50									1		5
2	RT	32.41	32.43	25.00				1						1	5
2	LT	32.43	32.51	387.50				1						1	5
3	RT	20.43	22.10	8712.50				1					1		26
3	LT	20.89	20.93	125.00				1	1					1	5
3	LT	22.12	22.15	62.50				1					1		5
3	RT	22.12	23.74	8462.50									2		22
3	LT	23.76	23.80	112.50				1					1		5
3	RT	23.76	27.48	19587.50						1			1		50
3	RT	27.53	27.71	887.50				1	1					1	7
TOTAL				47400.00	3687.50	9825.00	1	21	19	3	14	4	8	22	403



REVISD 9-12-2022

MODEL: Default  
 FILE NAME: C:\E\08\2020\201688.PTB 197-40 VARIOUS PH 1 & 2 DB - EEI 2016 TEAMING INNI EADAIR, LLC\00-00\CADD\CADD\_Sheet\04\_0876520-Ph-Schedules.dwg

 <b>FUHRMANN</b> ENGINEERING WWW.FUHRMANN-ENG.COM	USER NAME = bschrn	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/7/2022	DATE -	REVISED -

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

**SCHEDULES OF QUANTITIES**

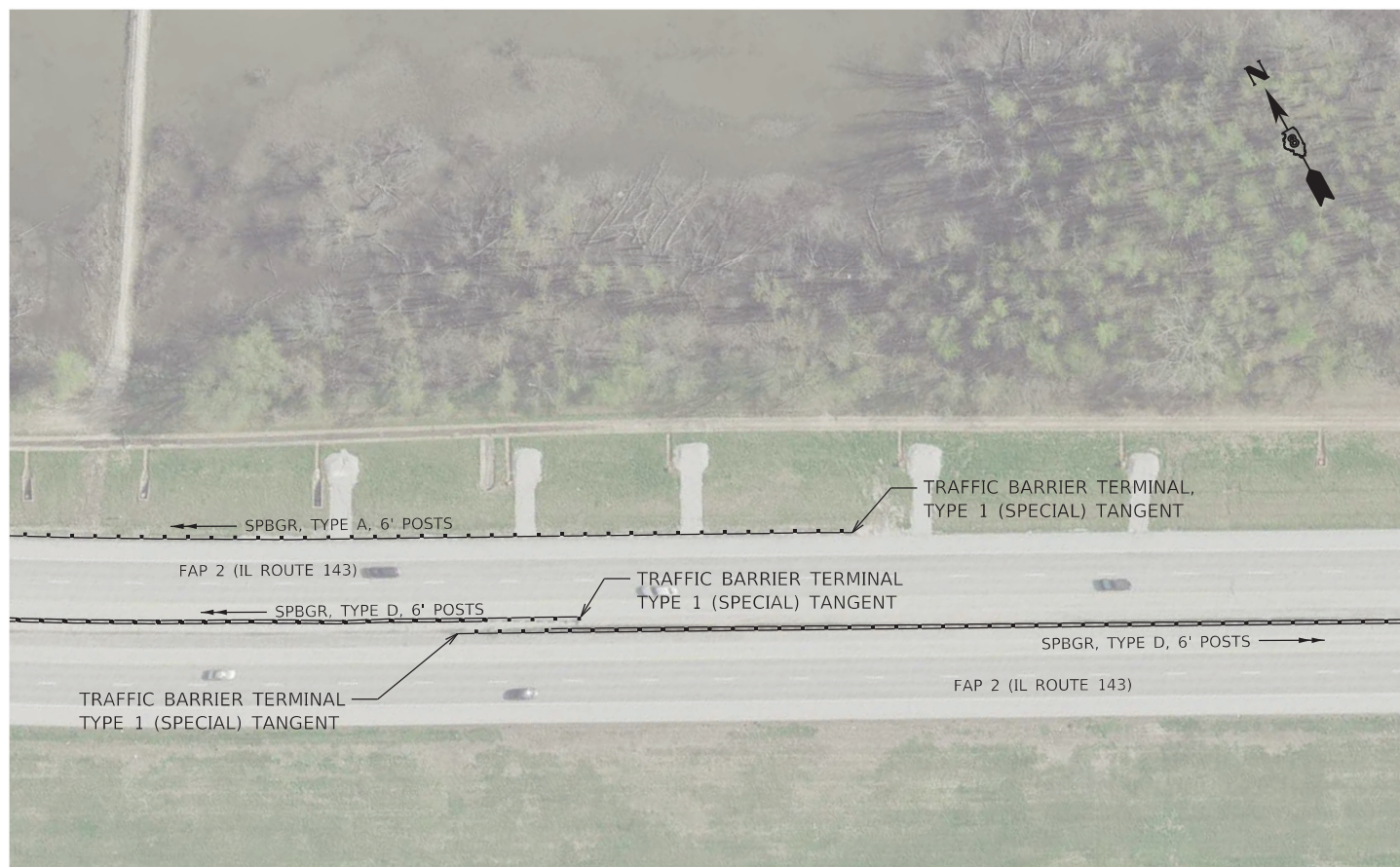
SCALE: NTS    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	DIST 8 GUARDRAIL 2024- HSIP-761C(975)	**	11	4
ILLINOIS		FED. AID PROJECT		

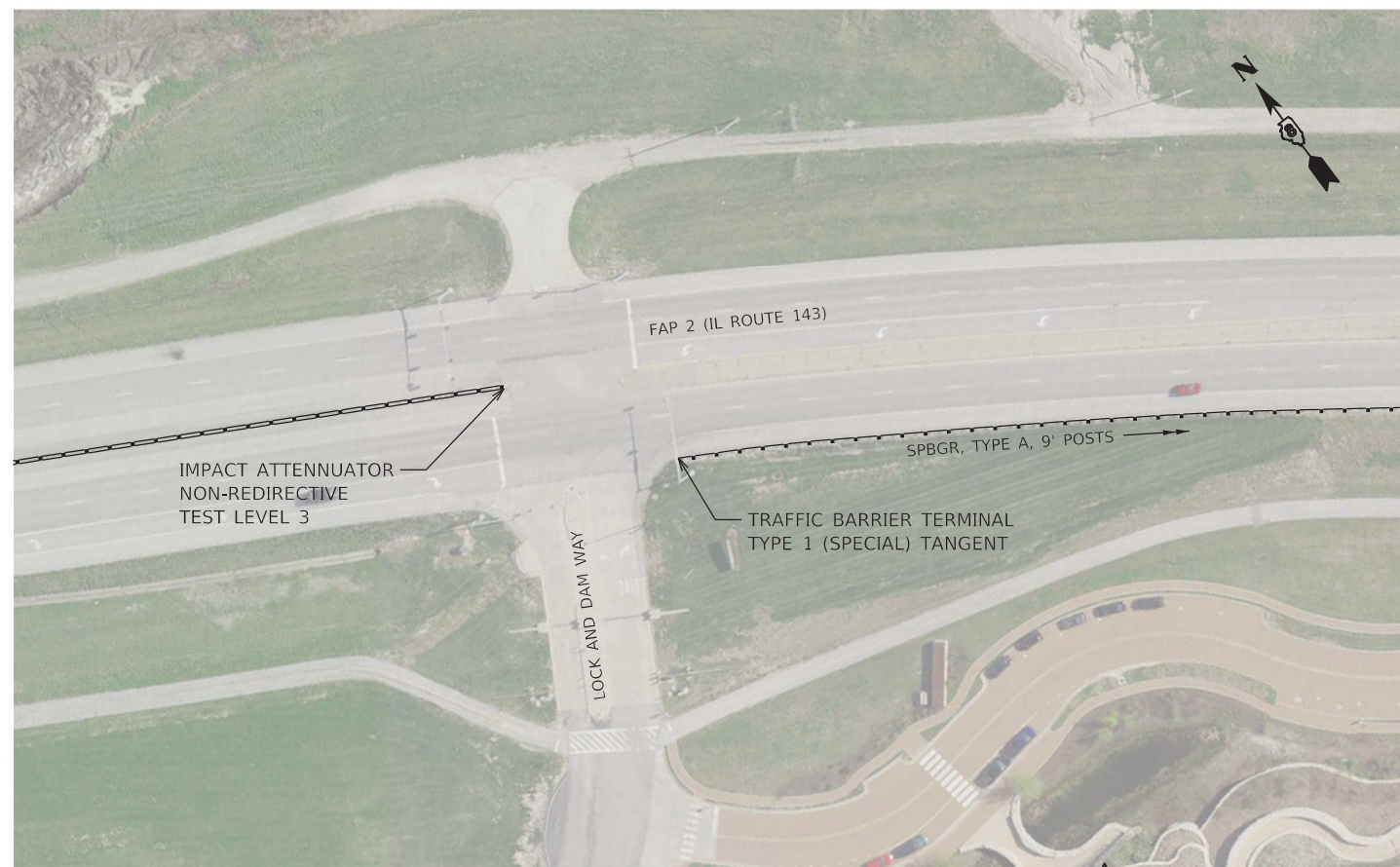
\* VARIOUS    \*\* MADISON / JERSEY



M.P. 1.33



M.P. 1.65



M.P. 2.24

MODEL: D:\d4\p1...  
 FILE NAME: C:\Users\bschm\...  
 MODEL: D:\d4\p1...  
 FILE NAME: C:\Users\bschm\...



USER NAME = bschm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/7/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS  
LOCATION 1A

SCALE: 1"=50' SHEET 2a OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* DIST 8 GUARDRAIL 2024-	HSIP-761C(975)	**	11	6a
		CONTRACT NO. 76R79		
		ILLINOIS FED. AID PROJECT		

⚠ SHEET ADDED 9-12-2022

\* VARIOUS \*\* MADISON / JERSEY

