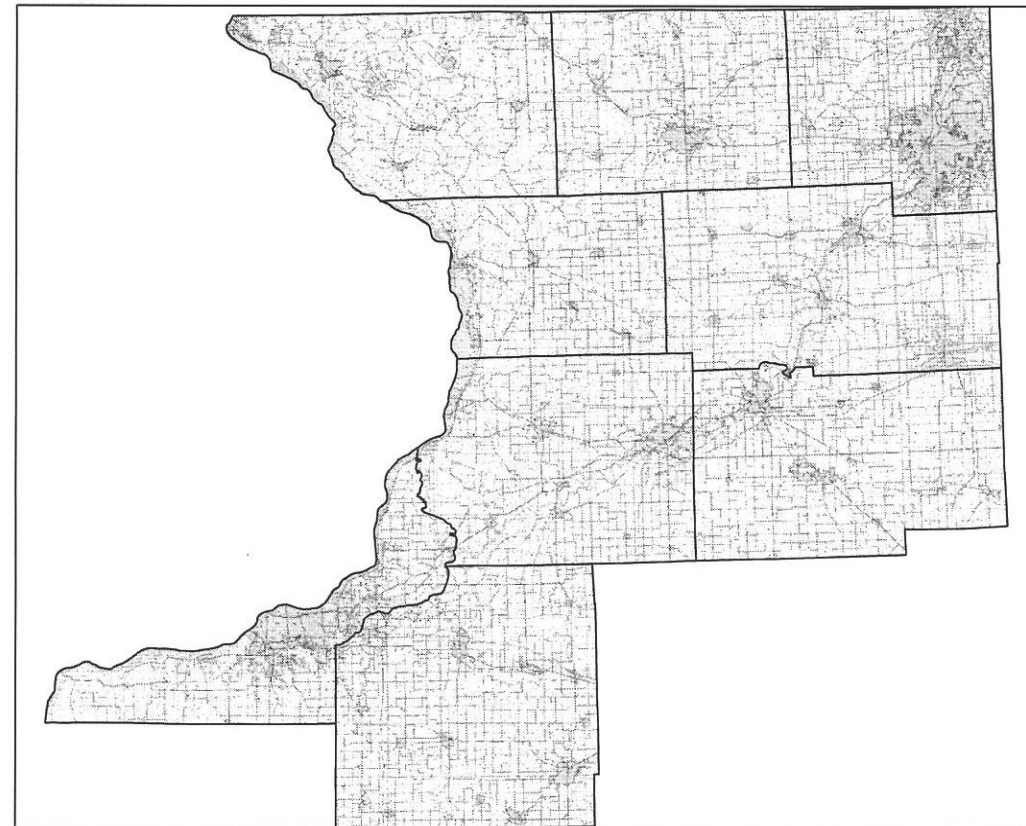


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

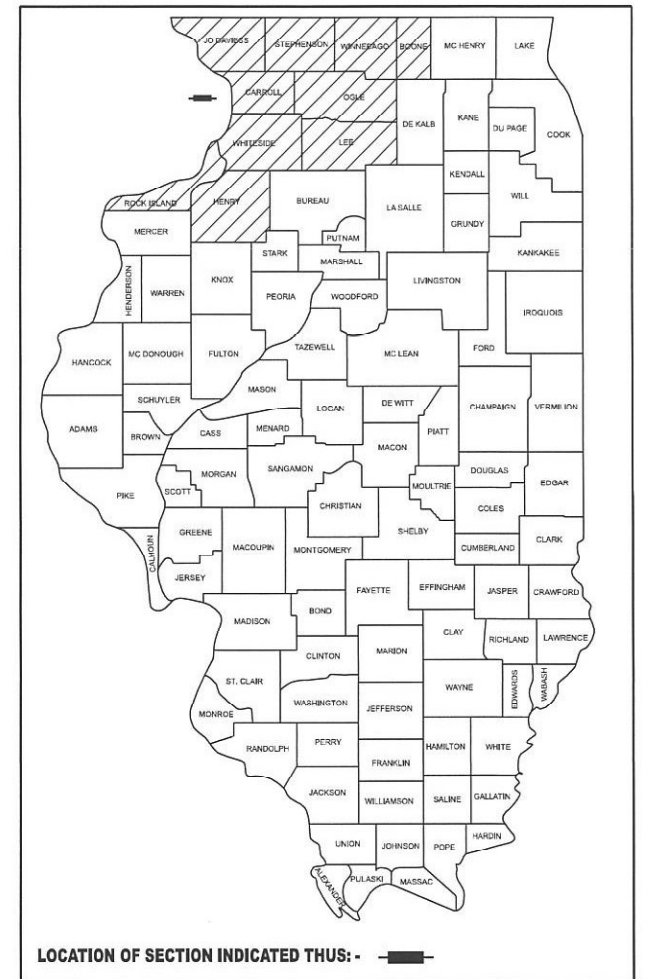
VARIOUS ROUTES
SECTION D2 GR 2024
GUARDRAIL REPAIR
VARIOUS COUNTIES

C-92-013-24



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D2 GR 2024	VARIOUS	6	1
		ILLINOIS	CONTRACT NO. 64S96	

P-92-062-24



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

CONTRACT NO. 64S96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 13 20 23
Masood Ahmad
REGIONAL ENGINEER

December 8, 2023
S. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

December 8, 2023
Steph McSwain
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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- 1 COVER SHEET
- 2 INDEX OF SHEETS, STANDARDS, GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6 REPAIR OPTION FOR DAMAGED TRAFFIC BARRIER TERMINAL TYPE 4

HIGHWAY STANDARDS

- 630001- 13 STEEL PLATE BEAM GUARDRAIL
- 630101- 11 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631011-10 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631026-06 TRAFFIC BARRIER TERMINAL, TYPE 5
- 631031- 18 TRAFFIC BARRIER TERMINAL, TYPE 6
- 631046-04 TRAFFIC BARRIER TERMINAL, TYPE 10
- 635001-02 DELINEATORS
- 664001-02 CHAIN LINK FENCE
- 665001-02 WOVEN WIRE FENCE
- 701001-02 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701006-05 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701101-05 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
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- 701201-05 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
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- 701400- 12 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
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- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 701501-06 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701502-09 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
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- 701602-10 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701606-10 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701701-10 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701901-09 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
- 725001-01 OBJECT AND TERMINAL MARKERS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATION OF TYPE A AND B METAL POSTS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

WHEN POSTS ARE REQUIRED TO BE PLACED THROUGH BITUMINOUS SHOULDERS, ALL COSTS TO DO SO SHALL BE INCLUDED IN THE CONTRACT UNIT COST OF THE WORK BEING DONE. THE FINAL TOP 3 INCHES OF THE AREA AROUND THE POST SHALL BE CAPPED WITH EITHER BITUMINOUS MATERIAL AND GROUT.

STANDARD 631021 (TRAFFIC BARRIER TERMINAL, TYPE 4) IS OBSOLETE AND CAN NO LONGER BE INSTALLED. TYPICALLY, A TYPE 4 TERMINAL WAS USED IN THE MEDIAN OF MULTI-LANE DIVIDED HIGHWAY. THEY ARE, HOWEVER, STILL IN USE AND WHEN DAMAGE TO ON OCCURS, IT IS TO BE REMOVED AND REPLACED WITH A TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL THAT IS TO BE AT LEAST 12 FEET OFF THE EDGE OF PAVEMENT. TO OBTAIN THE 12 FOOT DISTANCE, THE EXISTING SPBGR TYPE A WILL HAVE TO BE REMOVED AND RE-ERECTED WITH A FLAIR RATE OF 1:30 UNTIL THE FACE OF THE GUARDRAIL IS 12 FEET OUT FROM THE EDGE OF PAVEMENT. AT THIS POINT, (WHERE THE SPBGR TYPE FEET OFF THE EDGE OF PAVEMENT), A NEW TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT OR FLARED) IS TO BE INSTALLED.

THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL TO BE USED ON THIS CONTRACT, BOTH TANGENT AND FLARED.

WOOD BLOCKOUTS ON WOOD POSTS SHALL BE CONNECTED WITH ONE NAIL TO PREVENT THE BLOCKOUT FROM MOVING.

ALL DISTURBED AREAS IN THE RIGHT OF WAY, CAUSED BY THE CONTRACTORS OPERATIONS, SHALL BE SEEDED WITH 2A SALT TOLERANT ROADSIDE MIXTURE AS STATED IN SECTION 250, ARTICLE 250.07 IF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL COSTS FOR SEEDING SHALL BE INCLUDED IN THE COST OF THE WORK BEING PERFORMED.

IF THE CONTRACTOR WOULD LIKE THE WORK LOCATIONS LISTED WITH GPS COORDINATES ON THE WORK ORDERS, WE CAN DO THAT WITH UNITS PROVIDED BY THE CONTRACTOR. WE WOULD REQUIRE SEVEN (10) UNITS FOR THIS CONTRACT, ONE FOR EACH OF OUR FIELD ENGINEERS AND FIELD TECHNICIANS. THE CONTRACTOR WOULD BE RESPONSIBLE FOR ALL COSTS TO KEEP THE UNITS IN AN OPERATIONAL CONDITION.

THE DELINEATORS SHALL BE INSTALLED AS SHOWN ON STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

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DRAWN -	REVISED -	VAR				D2 GR 2024	VARIOUS	6	2	
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PLOT DATE = 10/10/2023	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

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SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				100% STATE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY	SAFETY	SAFETY
				0021	0021	0021
				MHTMCB	MCHD	CM
20400800	FURNISHED EXCAVATION	CU YD	113	34	59	20
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7	2	4	1
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	7	2	4	1
63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	7	2	4	1
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	45	10	27	8
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	23	7	12	4
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	113	34	59	20
63500105	DELINEATORS	EACH	45	14	23	8
66400105	CHAIN LINK FENCE, 4'	FOOT	248	74	129	45
66400305	CHAIN LINK FENCE, 6'	FOOT	225	68	116	41
66500105	WOVEN WIRE FENCE, 4'	FOOT	302	90	158	54
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	113	34	59	20
X6440130	REPAIR HIGH TENSION CABLE (GIBALTAR)	FOOT	135	135		
X6440131	REPAIR HIGH TENSION BARRIER TERMINAL (GIBALTAR)	EACH	2	2		

USER NAME = Nicholas,Vock	DESIGNED -	REVISED -
PLOT SCALE = 0.1667"/in.	DRAWN -	REVISED -
PLOT DATE = 10/6/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VARIOUS	6	3
CONTRACT NO. 64S96				
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				SAFETY 0021	SAFETY 0021	SAFETY 0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	MHTCB	MCHD	CONT. MAINT.
X6440134	REMOVE AND REPLACE POSTS (GIBRALTAR)	EACH	45	45		
X6440136	REPAIR HAIRPINS (GIBRALTAR)	EACH	45	45		
X6440135	REPAIR LOCKPLATES (GIBRALTAR)	EACH	45	45		
X6320310	LONG POST FOR STEEL PLATE BEAM GUARDRAIL	EACH	23	7	12	4
X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	113	34	59	20
X6331101	TUBULAR THRIE BEAM	FOOT	45	14	23	8
X6331110	STEEL POSTS, SPECIAL	EACH	45	14	23	8
X6432110	REPLACE IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	34	10	18	6
X6640594	CHAIN LINK FENCE POST 4'	EACH	45	14	23	8
X6640601	CHAIN LINK FENCE POST 6'	EACH	45	14	23	8
Z0008760	EMERGENCY WORK CALL OUT	EACH	23	7	12	4
Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	45	14	23	8
Z0020210	PULL POST ARRANGEMENT	EACH	11	3	6	2
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	68	20	36	12

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DRAWN -	REVISIONS -	
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PLOT DATE = 10/6/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VARIOUS	6	4
CONTRACT NO. 64S96				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				100% STATE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY	SAFETY	SAFETY
				0021	0021	0021
				MHTCB	MCHD	CONT. MAINT.
Z0052000	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	4725	1418	2456	851
Z0052100	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	75	22	39	14
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	68	21	35	12
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	23	7	12	4
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	23	7	12	4
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	9	3	4	2
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9	3	4	2

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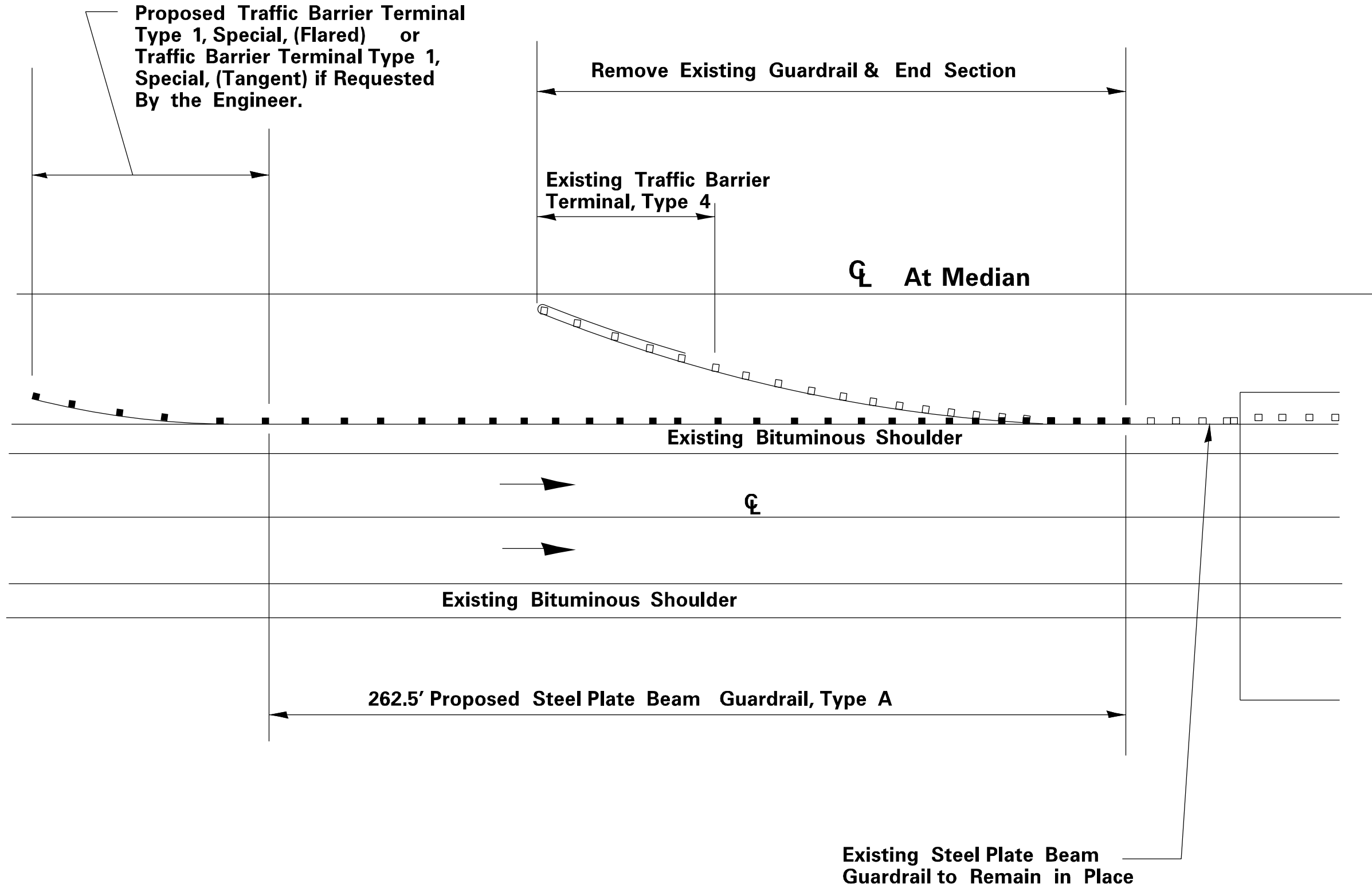
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		VARIOUS	6	5
CONTRACT NO. 64S96				
ILLINOIS FED. AID PROJECT				

Additional Options for Repair to Damaged Obsolete Traffic Barrier Terminal Type 4



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PLOT DATE = 10/10/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC BARRIER TERMINAL TYPE 4
REPAIR OPTIONS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D2 GR 2024	VARIOUS	6	6
			CONTRACT NO. 64S96	
			ILLINOIS FED. AID PROJECT	