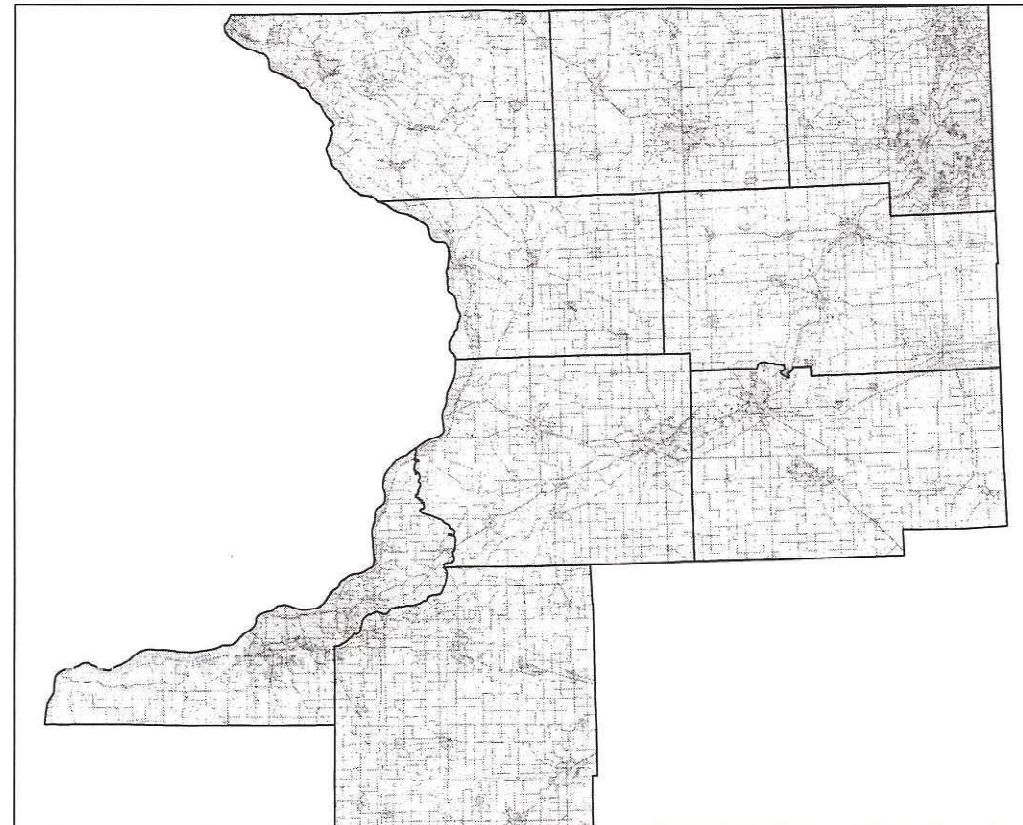


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

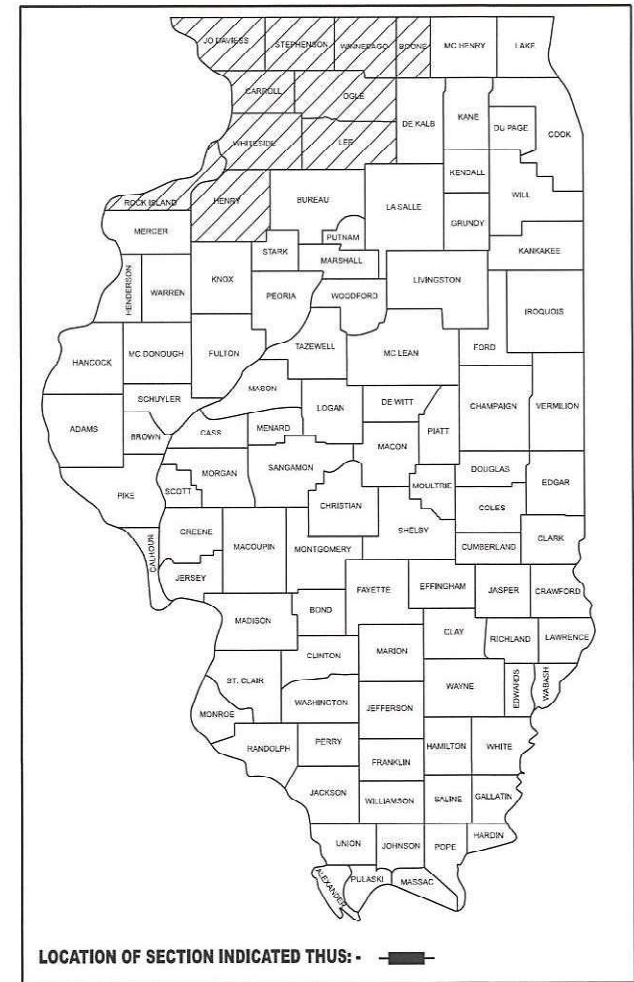
VARIOUS ROUTES
SECTION D2 GR 2025
GUARDRAIL REPAIR
VARIOUS COUNTIES

C-92-022-24



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D2 GR 2025	VARIOUS	6	1
		ILLINOIS	CONTRACT NO. 64T03	

P-92-072-24



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 23, 2024
Stephen M. Trautman
 REGIONAL ENGINEER

March 22, 2024 *S. A. Etk*
 ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024 *Steph M. ...*
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

CONTRACT NO. 64T03

INDEX OF SHEETS

- 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
- 701106-02 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701201-05 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701301-04 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701400- 12 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701401- 13 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701406- 13 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701411-09 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701421-08 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 701426-09 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 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
- 701601-09 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
- 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.

MODEL: D2_SMT_INDEX
FILE NAME: j:\dot\projects\Operations\Maintenance\Section\District 2\CRD\Projects\Operations\Contract Maintenance\FY 2024\64T03 - Guardrail\CAD\Drawings\64T03-002 - Index Standards.dgn

USER NAME = Nicholas.Vock PLOT SCALE = 0.1667" / in. PLOT DATE = 1/23/2024	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -				VAR	D2 GR 2025	VARIOUS	6	2
	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 64T03		
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

MODEL: D2_SUF_S00-1
 FILE NAME: \\p01000001\share\p01000001\DOT\Illinois\Operations\Maintenance\Section\District 2\CRD\Projects\Operations\Contract Maintenance\FY 2024\64T03 - Guardrail\CAD\Drawings\64T03 - 003-005 - S00.dgn

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY	SAFETY	SAFETY
				0021	0021	0021
				MHTCB	MCHD	CONT. MAINT.
20400800	FURNISHED EXCAVATION	CU YD	50	9	25	16
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	1	1	1
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	1	1	1
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	3	1	1	1
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	20	4	10	6
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	10	2	5	3
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	43	9	25	9
63500105	DELINEATORS	EACH	20	4	10	6
66400105	CHAIN LINK FENCE, 4'	FOOT	75	14	38	23
66400305	CHAIN LINK FENCE, 6'	FOOT	50	9	25	16
66500105	WOVEN WIRE FENCE, 4'	FOOT	150	26	78	46
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	50	9	25	16
* X6320310	LONG POST FOR STEEL PLATE BEAM GUARDRAIL	EACH	10	2	5	3
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	50	9	25	16

*= SPECIALTY ITEM

USER NAME = Nicholas.Vock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	VAR					D2 GR 2025	VARIOUS	6	3	
PLOT SCALE = 0.1667" / 1'	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 64T03				
PLOT DATE = 2/1/2024	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

MODEL: D2_SUF_S00 - 2
 FILE NAME: p:\projects\2024\Illinois\Operations\Maintenance\Section\District 2\CHCD\Operations\Contract Maintenance\FY 2024\64T03 - Gibraltar\CAD\Drawings\64T03 - 003-005 - S00.dgn

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				100% STATE	100% STATE	100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY	SAFETY	SAFETY
				0021	0021	0021
				MHTCB	MCHD	CONT. MAINT.
X6331101	TUBULAR THRIE BEAM	FOOT	20	4	10	6
X6331110	STEEL POSTS, SPECIAL	EACH	20	4	10	6
X6432110	REPLACE IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	15	3	7	5
X6440130	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	20	20		
X6440131	REPAIR HIGH TENSION BARRIER TERMINAL (GIBRALTAR)	EACH	1	1		
X6440134	REMOVE AND REPLACE POSTS (GIBRALTAR)	EACH	20	20		
X6440135	REPAIR LOCKPLATES (GIBRALTAR)	EACH	20	20		
X6440136	REPAIR HAIRPINS (GIBRALTAR)	EACH	20	20		
X6640594	CHAIN LINK FENCE POST 4'	EACH	15	3	7	5
X6640601	CHAIN LINK FENCE POST 6'	EACH	15	3	7	5
Z0008760	EMERGENCY WORK CALL OUT	EACH	10	2	5	3
Z0012752	CONCRETE STRUCTURE REPAIR	CU FT	20	4	10	6
Z0020210	PULL POST ARRANGEMENT	EACH	5	1	2	2
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	10	2	5	3

USER NAME = Nicholas,Vock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667"/in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2024	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.
VAR	D2 GR 2025	VARIOUS	6	4
			CONTRACT NO. 64T03	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
				100% STATE	100% STATE	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	1000	180	520	300
* Z0052100	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	20	4	10	6
* Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	20	4	10	6
* Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	5	1	2	2
* Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	1	2	2
* Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	4	1	2	1
* Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	1	2	1

MODEL: D2_SUF_S00 - 3
 FILE NAME: \\p01000001\p01000001\com\PM\DOT\Documents\DOT Office\District 2\CRD Project\Operations\Maintenance Section\District 2\MCHD\Operations\Contract Maintenance\FY 2024\64T03 - Guardrail\CAD\Drawings\64T03 - 005-005 - S00.dgn

USER NAME = Nicholas,Vock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667" / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2024	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.
VAR	D2 GR 2025	VARIOUS	6	5
			CONTRACT NO. 64T03	
		ILLINOIS	FED. AID PROJECT	

