

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Guardrail Repair FY 27-1	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 78C21	

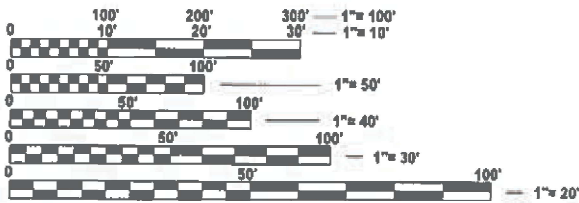
FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

PROPOSED
HIGHWAY PLANS

Various ROUTES
SECTION D9 Guardrail Repair FY 27-1

GUARDRAIL REPAIR
VARIOUS COUNTIES

C-99-071-26

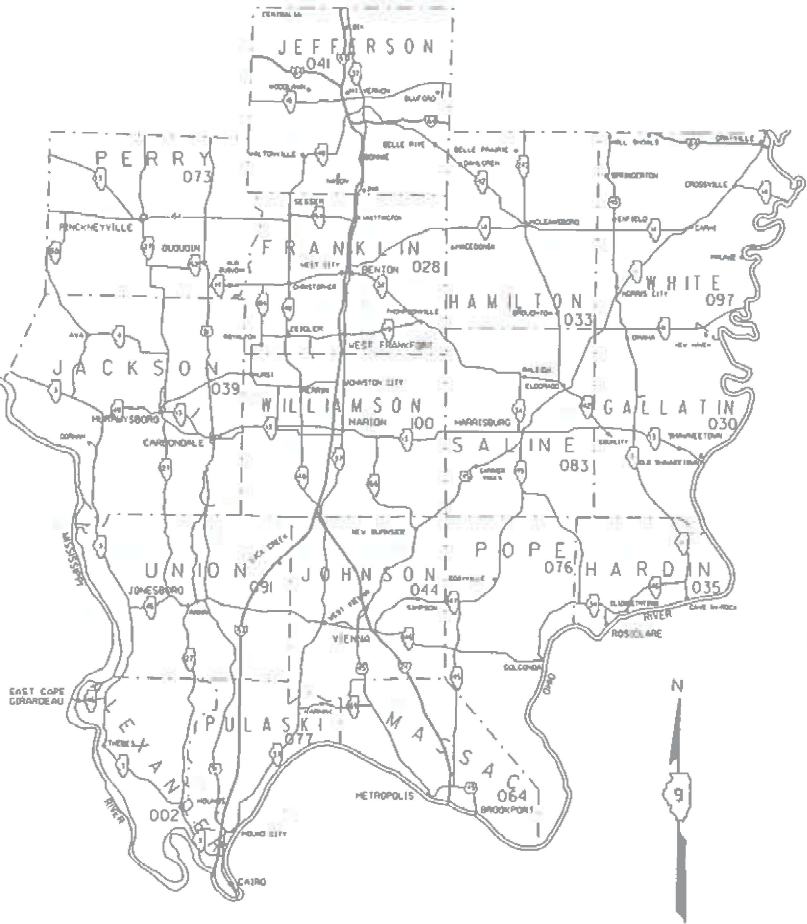


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: SEAN GREENLEE
PROJECT DESIGNER: GRAYSON GUTHMAN

CONTRACT NO. 78C21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 22 20 26
Cam Nelson REGIONAL ENGINEER

June 26 20 26
Sean Greenlee ENGINEER OF DESIGN AND ENVIRONMENT

June 26 20 26
Grayson Guthman DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: 02 Signature (Sheet)
FILE NAME: c:\w\work\m\grayson.gulthman\Illinois\2024\0978C21-SHA-Cover.dgn

Prepared By: 
DISTRICT STUDIES & PLANS ENGINEER

Examined By: 
DISTRICT LAND ACQUISITION ENGINEER

Examined By: 
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: 
DISTRICT CONSTRUCTION ENGINEER

Examined By: 
DISTRICT MATERIALS ENGINEER

USER NAME	= grayson.gulthman	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	-	REVISED	-
PLOT DATE	= 4/16/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 Guardrail Repair FY 27-1	VARIOUS	7	2
CONTRACT NO. 78C21				
ILLINOIS FED. AID PROJECT				

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
4-6	SUMMARY OF QUANTITIES
7	CRASH-CUSHION ATTENUATING TERMINAL (C-A-T)

630001-00 DECIMAL OF AN INCH AND OF A FOOT
630001-13 STEEL PLATE BEAM GUARDRAIL
630006-01 NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
630101-11 STRONG POST GUARDRAIL ATTACHED TO CULVERT
630116 BACK SIDE PROTECTION OF GUARDRAIL
630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
630111-10 TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06 TRAFFIC BARRIER TERMINAL, TYPE 5
631031-18 TRAFFIC BARRIER TERMINAL, TYPE 6
631032-10 TRAFFIC BARRIER TERMINAL, TYPE 6A
631033-09 TRAFFIC BARRIER TERMINAL, TYPE 6B
636001-02 CABLE ROAD GUARD SINGLE STRAND
664001-02 CHAIN LINK FENCE
665001-02 WOVEN WIRE FENCE
701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT (4.5M) AWAY
701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT (4.5M) TO 24_ (600MM) FROM PAVEMENT EDGE
701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15 FT (4.5M) TO 24_ (600MM) FROM PAVEMENT EDGE
701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT (4.5M) AWAY
701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-12 APPROACH TO LANE CLOSURE, FREEWAY_EXPRESSWAY
701401-13 LANE CLOSURE, FREEWAY_EXPRESSWAY
701406-13 LANE CLOSURE, FREEWAY_EXPRESSWAY, DAY OPERATIONS ONLY
701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH
701422-10 LANE CLOSURE, MULTILANE, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH
701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY_EXPRESSWAY
701451-05 RAMP CLOSURE, FREEWAY_EXPRESSWAY
701456-05 PARTIAL EXIT RAMP CLOSURE, FREEWAY_EXPRESSWAY
701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-11 TRAFFIC CONTROL DEVICES
725001-01 OBJECT AND TERMINAL MARKERS
782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

BEFORE ORDERING THE IMPACT ATTENUATORS, THE CONTRACTOR MUST CONTACT THE RESIDENT ENGINEER TO RECEIVE APPROVAL OF THE PROPOSED INSTALLATION.

ALL WORK IS TO BE REPLACED IN KIND OR AS INDICATED ON THE CONTRACT PLANS OR SPECIAL PROVISIONS.

THE LOCATIONS OF THE REPAIR AREAS SHALL BE DETERMINED BY THE ENGINEER.

GUARDRAIL WORK WILL INCLUDE ALIGNMENT AS NECESSARY TO RESTORE THE RAIL TO THE ORIGINAL CONDITIONS.

REMOVAL OF DAMAGED MATERIALS WILL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE WILL BE LEFT IN A SAFE AND ORDERLY CONDITION.

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

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

ILLINOIS STATE LAW ENFORCES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PHONE:800-892-0123) OR FOR NON MEMBER, THE UTILITY COMPANY DIRECTLY.

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

NONE

[illegible]

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	MCHD	HIT AND RUN
				0021	0021
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	60	40	20
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	10	6	4
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	7	4	3
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	40	10	30
67100100	MOBILIZATION	L SUM	1	1	
X6300210	GUARDRAIL BLOCKS	EACH	520	400	120
X6300215	RAIL ELEMENT PLATES	EACH	340	275	65
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	20	10	10
X6300220	EXTRUDER HEAD	EACH	20	5	15
X6300230	STEEL POSTS	EACH	300	255	45
X6300231	STEEL POST, ATTACHED TO STRUCTURES	EACH	4	4	
X6300235	WOOD POSTS	EACH	35	20	15

REV - MS

USER NAME = grayson.guthman		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A. RATE VAR	SECTION D9 Grndral Repair FY 21-1	COUNTY VARIOUS	TOTAL SHEET 7 OF 4 NO.	CONTRACT NO. 78C21
DRAWN -		REVISED -	REVISED -		SCALE:	SHEET 1 OF 3 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT			
CHECKED -		REVISED -	REVISED -										
PLOT DATE = 4/16/2026		DATE -	REVISED -										

SUMMARY OF QUANTITIES - CONT

SUMMARY OF QUANTITIES - CONT			COUNTY:	VARIOUS	VARIOUS
			ROUTE:	VARIOUS	VARIOUS
			FUNDING:	100% STATE	100% STATE
			LOCATION:	RURAL/URBAN	RURAL/URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	MCHD	HIT AND RUN
				0021	0021
X6310088	TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH	5	5	
X6310176	TRAFFIC BARRIER TERMINAL, TYPE 2 (SPECIAL)	EACH	5	5	
X6310179	TRAFFIC BARRIER TERMINAL, TYPE 5 (SPECIAL)	EACH	5	5	
X6310214	TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL)	EACH	5	5	
X6310302	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	45	15	30
X6310304	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	10	5	5
X6310326	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	5	2	3
X6310330	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	10	5	5
X6310332	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	5	5	
X6310334	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	5	5	
X6311215	TRAFFIC BARRIER TERMINAL (C-A-T)	EACH	10	6	4
X6311217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	5	5	
X6331110	STEEL POSTS (SPECIAL)	EACH	5	5	

MODEL: GS-SQO [Sheet]
FILE NAME: c:\work\pilot\grayson.gutman\illinois\78c21\78c21-SQO.dgn

	USER NAME	* grayson.gutman	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CONT				P.A. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN	-	CHECKED	-	REVISED	-						VAR	D9 Guardrail Repair FY 27-1	VARIOUS	7	5	
	PLOT DATE	* 4/16/2026	DATE	-	REVISED	-						CONTRACT NO. 78C21					
	ILLINOIS FED. AID PROJECT																
	SCALE:		SHEET 2		OF 3			SHEETS		STA.		TO STA.					

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	VARIOUS	VARIOUS
				ROUTE:	VARIOUS	VARIOUS
				FUNDING:	100% STATE	100% STATE
LOCATION:				RURAL/URBAN	RURAL/URBAN	
				MCHD	HIT AND RUN	
				0021	0021	
X6430210	REMOVE AND REINSTALL IMPACT ATTENUATORS	EACH	30		20	10
X6440130	REPAIR HIGH TENSION CABLE (GIBALTAR)	FOOT	1600		200	1400
X6440131	REPAIR HIGH TENSION BARRIER TERMINAL (GIBALTAR)	EACH	50		5	45
X6440134	REMOVE AND REPLACE POSTS (GIBALTAR)	EACH	500		150	350
X6440160	REPAIR HIGH TENSION CABLE (TRINITY)	FOOT	1350		150	1200
X6440163	REPAIR POSTS (TRINITY)	EACH	150		40	110
X6440166	REPAIR HIGH TENSION CABLE SYSTEM END SECTION (TRINITY)	EACH	50		5	45
X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	175		100	75
X6650208	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	300		300	
X7010102	NIGHTTIME WORK ZONE LIGHTING	EACH	60		30	30
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	60		30	30
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	90		50	40

MODEL: 09-SQO [Sheet]
FILE NAME: 09sqo - grayson.gutman

USER NAME: grayson.gutman

DESIGNED: -

DRAWN: -

CHECKED: -

PLOT DATE: 4/16/2028

REVISED: -

REVISED: -

REVISED: -

REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
CONT

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

P.A. SITE: VAR.

SECTION: D9 Guardrail Repair FY 27-1

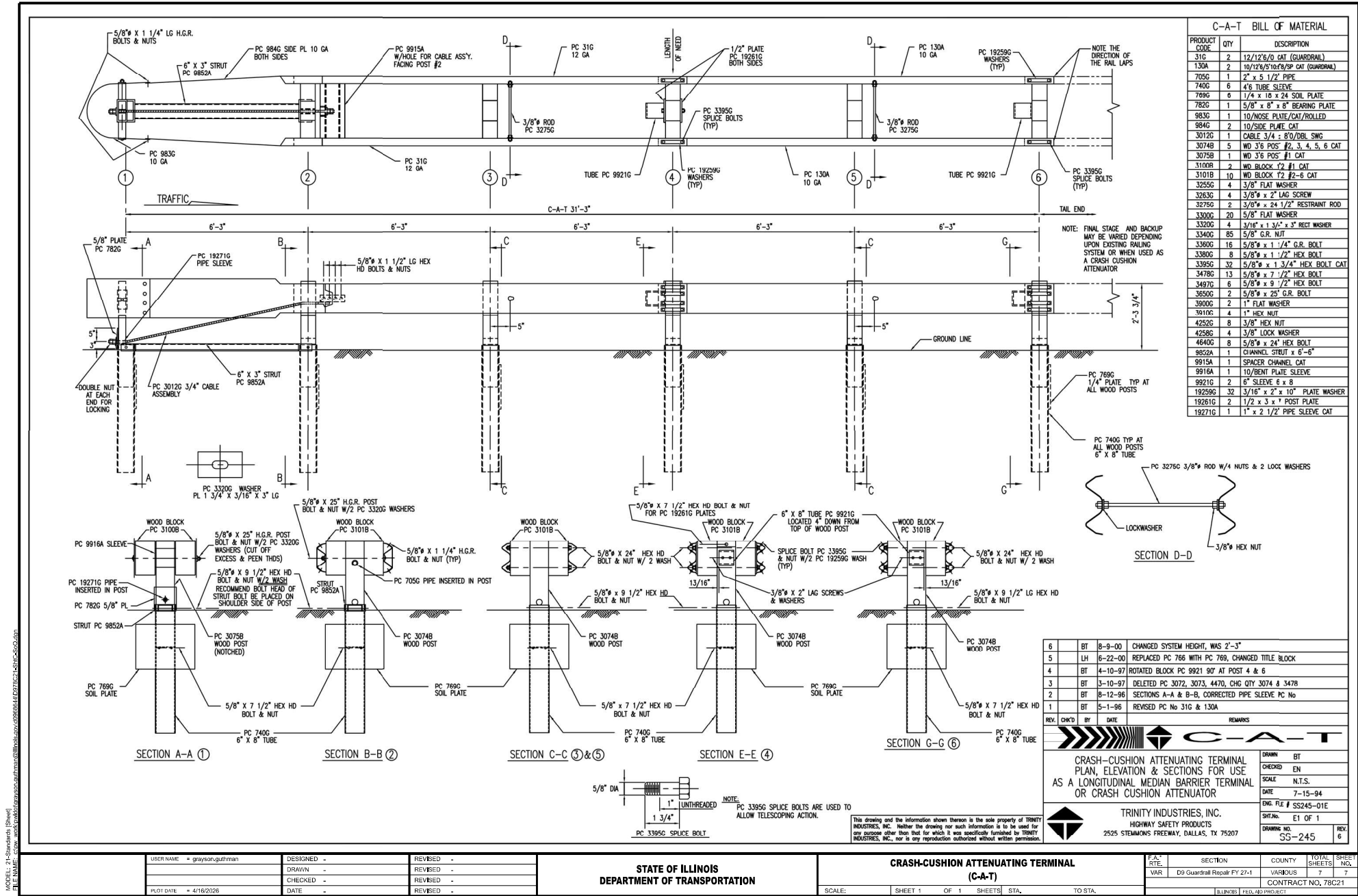
COUNTY: VARIOUS

TOTAL SHEETS: 7

SHEET NO.: 6

CONTRACT NO. 78C21

ILLINOIS FED. AID PROJECT



MODEL: 21-Standards (Sheet)
FILE NAME: c:\pwworkspace\grayson.gutman\dwg\SS245-01E.dwg
DATE: 4/16/2028