

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLA. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	**	ILLINOIS	6	1
			CONTRACT NO. 72300	
** D6 CABLE/GUARDRAIL 2023-2				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

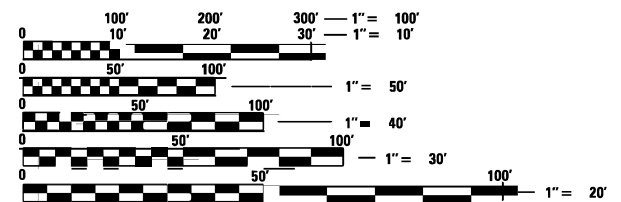
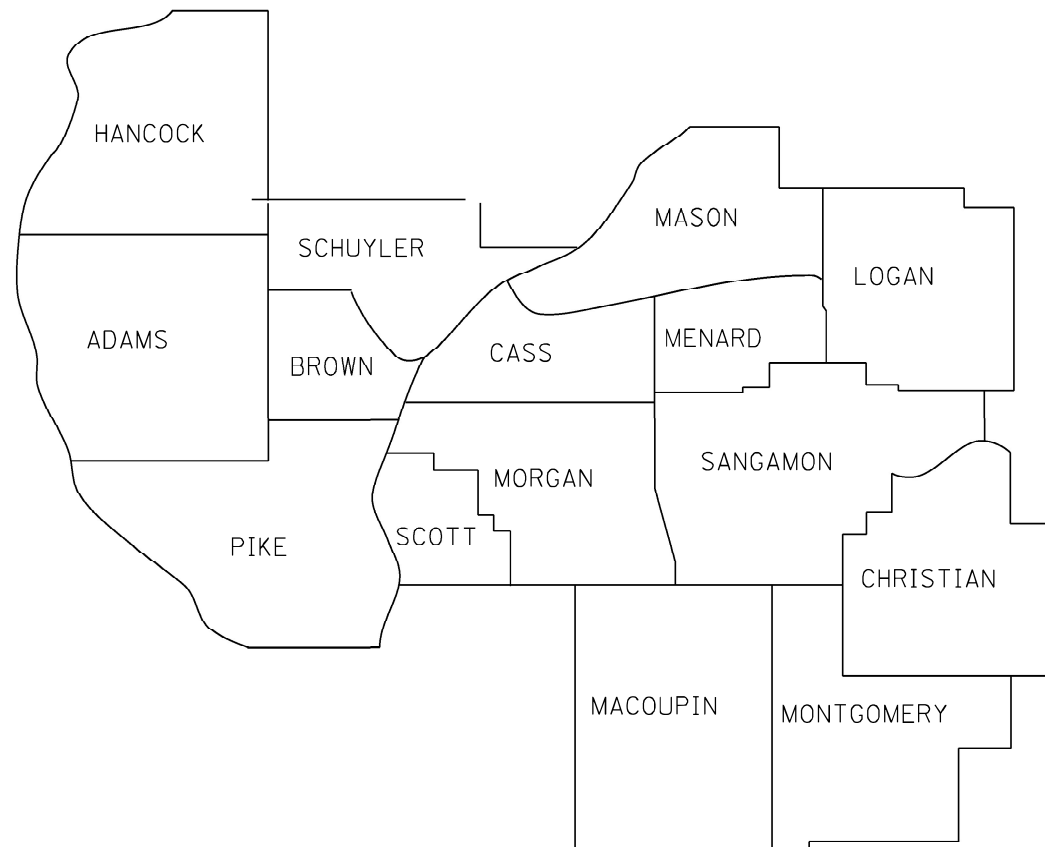
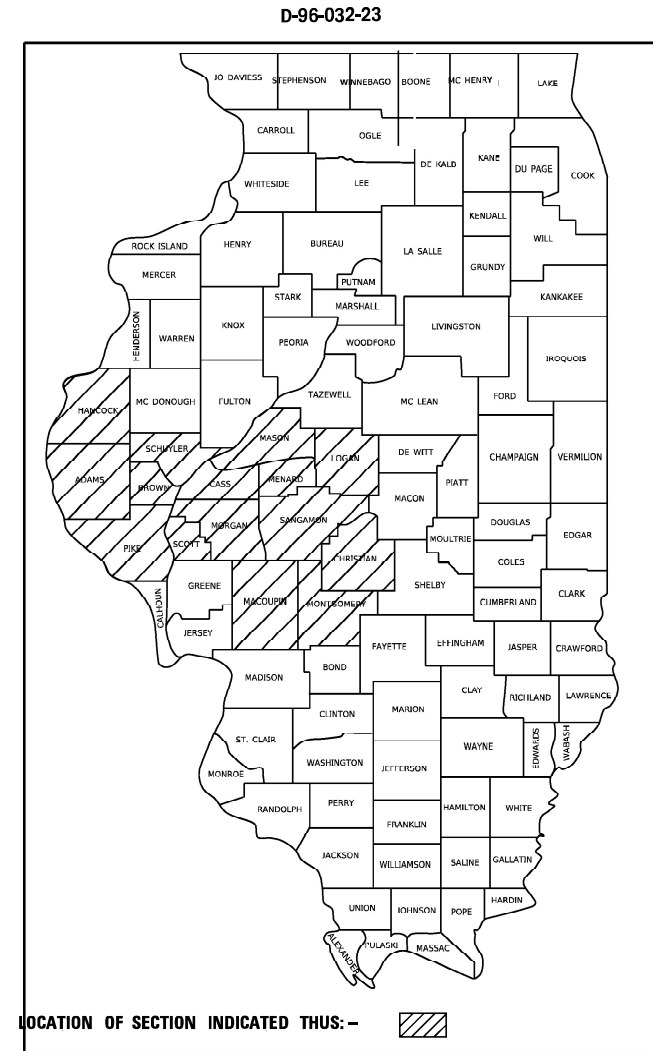
# PROPOSED HIGHWAY PLANS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6 CABLE GUARDRAIL MARKER DETAIL

VARIOUS ROUTES  
SECTION D6 CABLE /GUARDRAIL 2023-2  
GUARDRAIL REPAIR  
VARIOUS COUNTIES IN D6  
C-96-075-23

FOR LIST OF STANDARDS, SEE SHEET 2



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 : JAY EDWARDS (217)-785-0597  
PROJECT MANAGER : JONATHAN COX (217)-782-1378

CONTRACT NO. 72300

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 26 20 23

*[Signature]* REGIONAL ENGINEER

June 30, 2023 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 30, 2023 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**HIGHWAY STANDARDS**

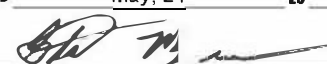


STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630111-01	WEAK POST GUARDRAIL ATTACHED TO CULVERT
643001-02	SAND MODULE IMPACT ATTENUATORS
664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
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
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH
701428-01	TRAFFIC CONTROL SET UP AND REMOVAL 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
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS.
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-12	STEEL PLATE BEAM GUARDRAIL
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
636001-02	CABLE ROAD GUARD SINGLE STRAND

**GENERAL NOTES**

ALL DISTURBED AREAS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE GRADED AND SEEDED WITH CLASS 2 ROADSIDE MIXTURE AND FERTILIZED AS STATED IN SECTION 250 OF THE STANDARD SPECIFICATIONS. COST SHALL BE CONSIDERED INCLUDED IN THE UNIT COST OF THE WORK BEING PERFORMED.

REMOVAL OF DAMAGED IMPACT ATTENUATORS SHALL BE INCLUDED IN THE COST OF THE IMPACT ATTENUATOR BEING INSTALLED.

REMOVAL AND DISPOSAL OF DAMAGED FENCE SHALL BE INCLUDED IN THE COST OF THE FENCE BEING INSTALLED.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	May, 24 20 23
 <b>ENGINEER OF OPERATIONS</b>	
EXAMINED	May, 24 20 23
 <b>ENGINEER OF PROJECT IMPLEMENTATION</b>	
EXAMINED	May, 18 20 23
 <b>ENGINEER OF PROGRAM DEVELOPMENT</b>	

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USER NAME = Jonathan.Cox	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -				* VAR	**	VARIOUS	6	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT			
PLOT DATE = 5/18/2023	DATE -	REVISED -		D6 CABLE/GUARDRAIL 2023-2							

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01874-6001	6-00664-9976
				VARIOUS GR & MED CBL BAR	MCHD
				100% STATE	100% MCHD
				ROADWAY	ROADWAY
				0021	0021
				RURAL	RURAL
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	600	300	300
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	225	100	125
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	100	100	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	4	2
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	6	4	2
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	4	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	20	10	10
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	1200	300	900
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1	1	
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	3	2	1
66400105	CHAIN LINK FENCE, 4'	FOOT	100	50	50
66500105	WOVEN WIRE FENCE, 4'	FOOT	1200	300	900

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PLOT DATE = 5/18/2023	DATE -	REVISED -

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

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**		6	3
			CONTRACT NO. 72300	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01874-6001	6-00664-9976
				VARIOUS GR & MED CBL BAR 100% STATE	MCHD 100% MCHD
				ROADWAY 0021	ROADWAY 0021
				RURAL	RURAL
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	7	6	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	45	25	20
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	100	50	50
X6440130	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	25	10	15
X6440131	REPAIR HIGH TENSION BARRIER TERMINAL (GIBRALTAR)	EACH	7	2	5
X6440133	REPAIR POSTS (GIBRALTAR)	EACH	160	30	130
X6440134	REMOVE AND REPLACE POSTS (GIBRALTAR)	EACH	130	40	90
X6440140	REPAIR HIGH TENSION CABLE (NU-CABLE)	FOOT	25	10	15
X6440141	REPAIR HIGH TENSION BARRIER TERMINAL (NU-CABLE)	EACH	4	2	2
X6440143	REPAIR POSTS (NU-CABLE)	EACH	25	10	15
X6440144	REMOVE AND REPLACE POSTS (NU-CABLE)	EACH	400	200	200
X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	90	40	50
X6330801	GUARDRAIL POST REPAIR	EACH	50	50	

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PLOT DATE = 5/18/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

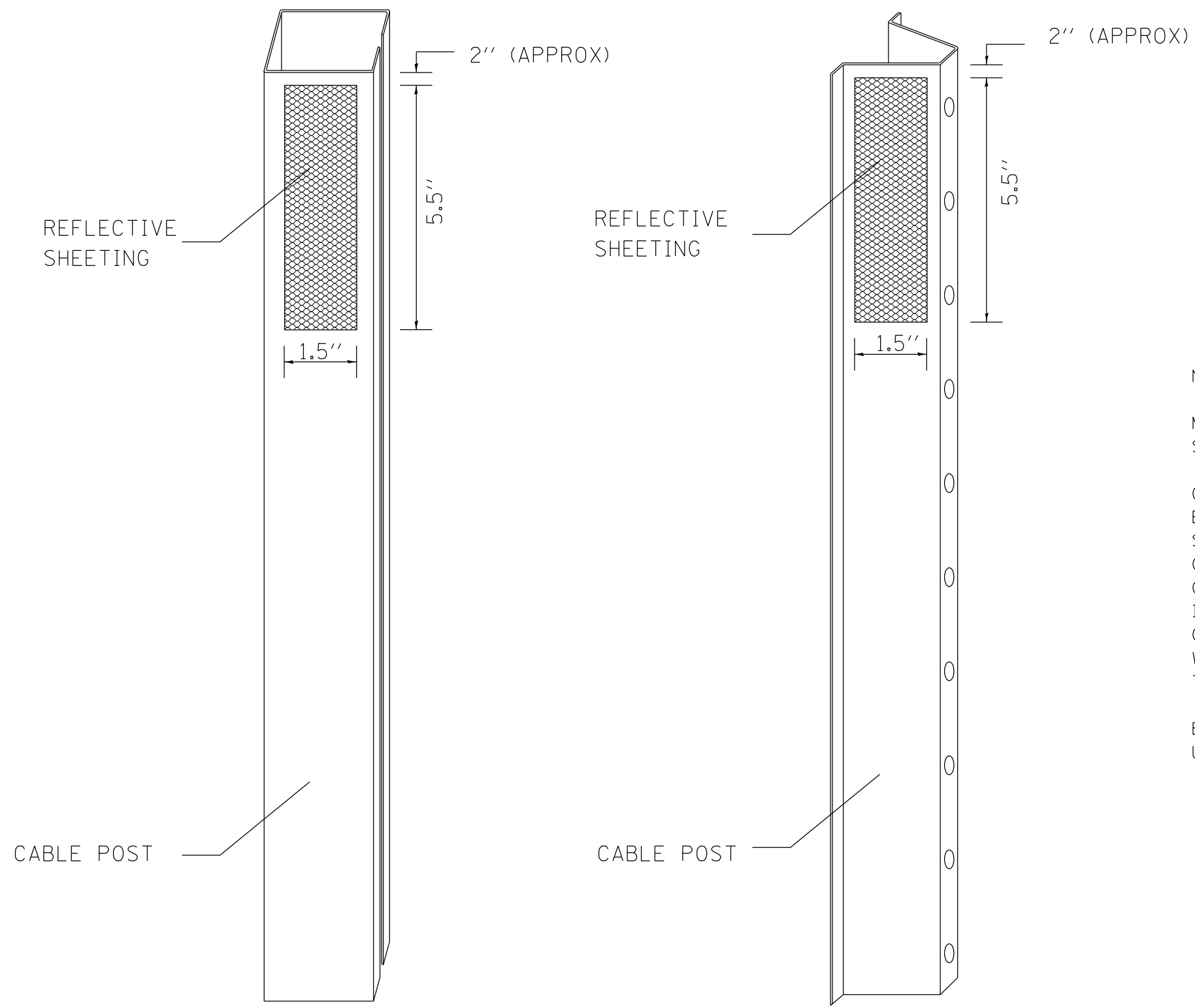
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	**	VARIOUS	6	4
			CONTRACT NO. 72300	
			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-01874-6001	6-00664-9976
				VARIOUS GR & MED CBL BAR	MCHD
				100% STATE ROADWAY	100% MCHD ROADWAY
				0021 RURAL	0021 RURAL
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	77	40	37
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	85	48	37
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY CALL OUT WORK	EACH	44	20	24
X7250002	CABLE GUARD MARKER	EACH	250	150	100
Z0008759	CALL OUT	EACH	16	8	8
Z0008760	EMERGENCY WORK CALL OUT	EACH	35	8	27
Z0052000	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	2900	2000	900
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	47	30	17
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	9	5	4
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	8	5	3
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	9	5	4
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	5	3

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.	VARIOUS	6	5
PLOT DATE = 5/18/2023	CHECKED -	REVISED -		CONTRACT NO. 72300								
	DATE -	REVISED -		ILLINOIS   FED. AID PROJECT								



NOTES:

MATERIAL: THE MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 1090 AND 1091 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION REQUIREMENTS: THE REFLECTIVE SHEETING SHALL BE INSTALLED DIRECTLY ON THE CABLE POSTS. THE REFLECTIVE SHEETING SHALL BE INSTALLED AS SHOWN IN THE PLANS, ON EVERY OTHER POST (IN ORDER TO PROVIDE A SPACING OF 40'). THE SURFACE OF THE POST SHALL BE CLEANED OF ALL CONTAMINANTS PRIOR TO THE INSTALLATION OF THE REFLECTIVE SHEETING. THE SURFACE SHALL BE CLEANED USING A 5-8 PERCENT PHOSPHORIC ACID SOLUTION AND RINSED WITH CLEAN WATER OR AS RECOMMENDED BY THE MANUFACTURER OF THE REFLECTIVE SHEETING AND AS APPROVED BY THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CABLE GUARD MARKER.

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/18/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE GUARD MARKER DETAIL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	**	VARIOUS	6	6
			CONTRACT NO. 72300	
		ILLINOIS	FED. AID PROJECT	