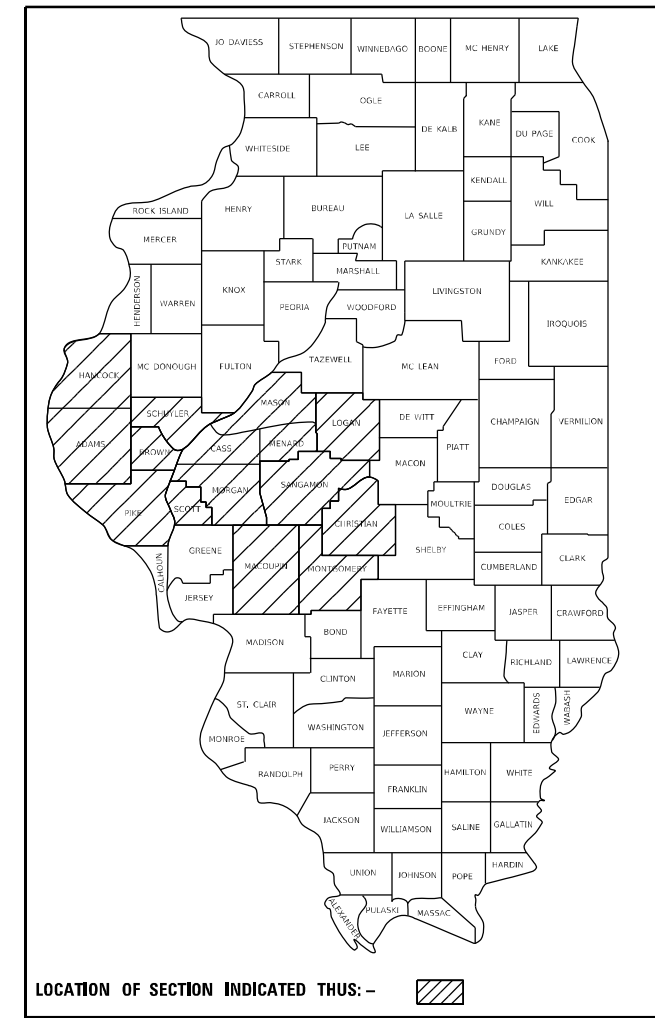


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**VAR	**	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 72898	

** D6 CABLE/GUARDRAIL REPAIR 2023-1

D-96-037-22



PROPOSED HIGHWAY PLANS

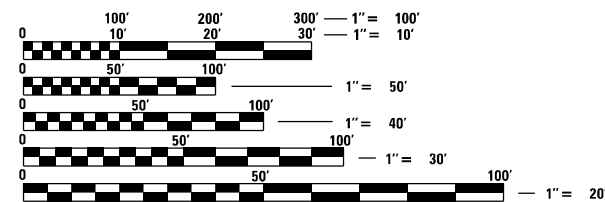
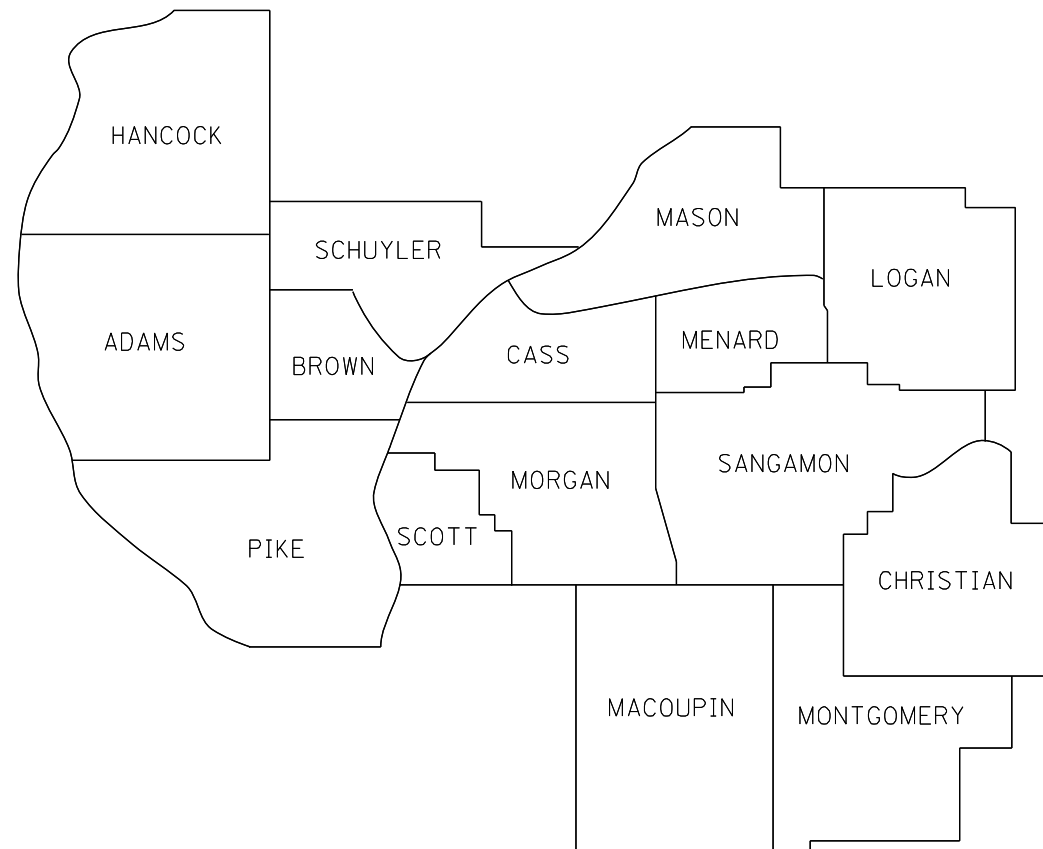
VARIOUS ROUTES
SECTION D6 CABLE/GUARDRAIL 2023-1
CABLE & GUARDRAIL REPAIR
VARIOUS COUNTIES IN D6
C-96-045-22

FOR INDEX OF SHEETS, SEE SHEET NO. 2

INDEX OF SHEETS

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

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. 72898

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 20 2022

REGIONAL ENGINEER

July 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS




STANDARD NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630111-01	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL TYPE 5
631031-17	TRAFFIC BARRIER TERMINAL TYPE 6
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
636001-02	CABLE ROAD GUARD SINGLE STRAND
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY

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.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	April 11 20 22
 ENGINEER OF OPERATIONS	
EXAMINED	April 18 20 22
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	April 8 20 22
 ENGINEER OF PROGRAM DEVELOPMENT	

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USER NAME = coxjw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	VAR						**	VARIOUS	7	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
PLOT DATE = 5/12/2022	DATE -	REVISED -								** D6 CABLE/GUARDRAIL REPAIR 2023-1		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02177-6008	6-00664-9977	0-01873-6001	SANGAMON	MACOUP IN
				VARIOUS GR	MCHD	MED CBL BAR	6-01072-0000	
				100% STATE	100% MCHD	100% STATE	NEW GR LOC	NEW GR LOC
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021	0021	0021
RURAL	RURAL	RURAL	RURAL	RURAL				
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	950.00	150.0	300.0		287.5	212.5
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	175.00	50.0	125.0			
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	40.00	40.0				
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	8.00	4.0	4.0			
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	8.00	4.0	4.0			
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8.00	4.0	4.0			
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	18.00	5.0	10.0		2.0	1.0
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2.00	2.0				
63200310	GUARDRAIL REMOVAL	FOOT	1125.00	200.0	900.0			25
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1.00	1.0				
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	4.00		2.0	2.0		
66400105	CHAIN LINK FENCE, 4'	FOOT	100.00	50.0	50.0			
66500105	WOVEN WIRE FENCE, 4'	FOOT	1200.00	300.0	900.0			
67100100	MOBILIZATION	L SUM	1.00	0.35	0.55	0.07	0.02	0.01

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PLOT DATE = 5/12/2022	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.
VAR	**		7	3
			CONTRACT NO. 72898	
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02177-6008	6-00664-9977	0-01873-6001	SANGAMON	MACOUP IN
				VARIOUS GR	MCHD	MED CBL BAR	6-01072-0000	
				100% STATE	100% MCHD	100% STATE	NEW GR LOC	NEW GR LOC
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	ROADWAY
			0021	0021	0021	0021	0021	
			RURAL	RURAL	RURAL	RURAL	RURAL	
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	1.00				1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	7.00	6.0	1.0			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.00					1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	48.00	25	20		2	1
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	105.00	50	50		3	2
X0325231	CABLE GUARD MARKER	EACH	250.00		100.0	150.0		
X0325899	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	25.00		15.0	10.0		
X0325900	REPAIR HIGH TENSION BARRIER TERMINAL (GIBRALTAR)	EACH	7.00		5.0	2.0		
X0325901	REPAIR POSTS (GIBRALTAR)	EACH	145.00		125.0	20.0		
X0325902	REMOVE AND REPLACE POSTS (GIBRALTAR)	EACH	95.00		75.0	20.0		
X0327490	REPAIR HIGH TENSION CABLE (NU-CABLE)	FOOT	25.00		15.0	10.0		
X0327491	REPAIR POSTS (NU-CABLE)	EACH	25.00		15.0	10.0		
X0327492	REMOVE AND REPLACE POSTS (NU-CABLE)	EACH	250.00		150.0	100.0		
X0327493	REPAIR HIGH TENSION BARRIER TERMINAL (NU-CABLE)	EACH	6.00		4.0	2.0		

REV. - MS

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PLOT DATE = 5/12/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	**	VARIOUS	7	4
			CONTRACT NO. 72898	
ILLINOIS FED. AID PROJECT				

** D6 CABLE/GUARDRAIL REPAIR 2023-1

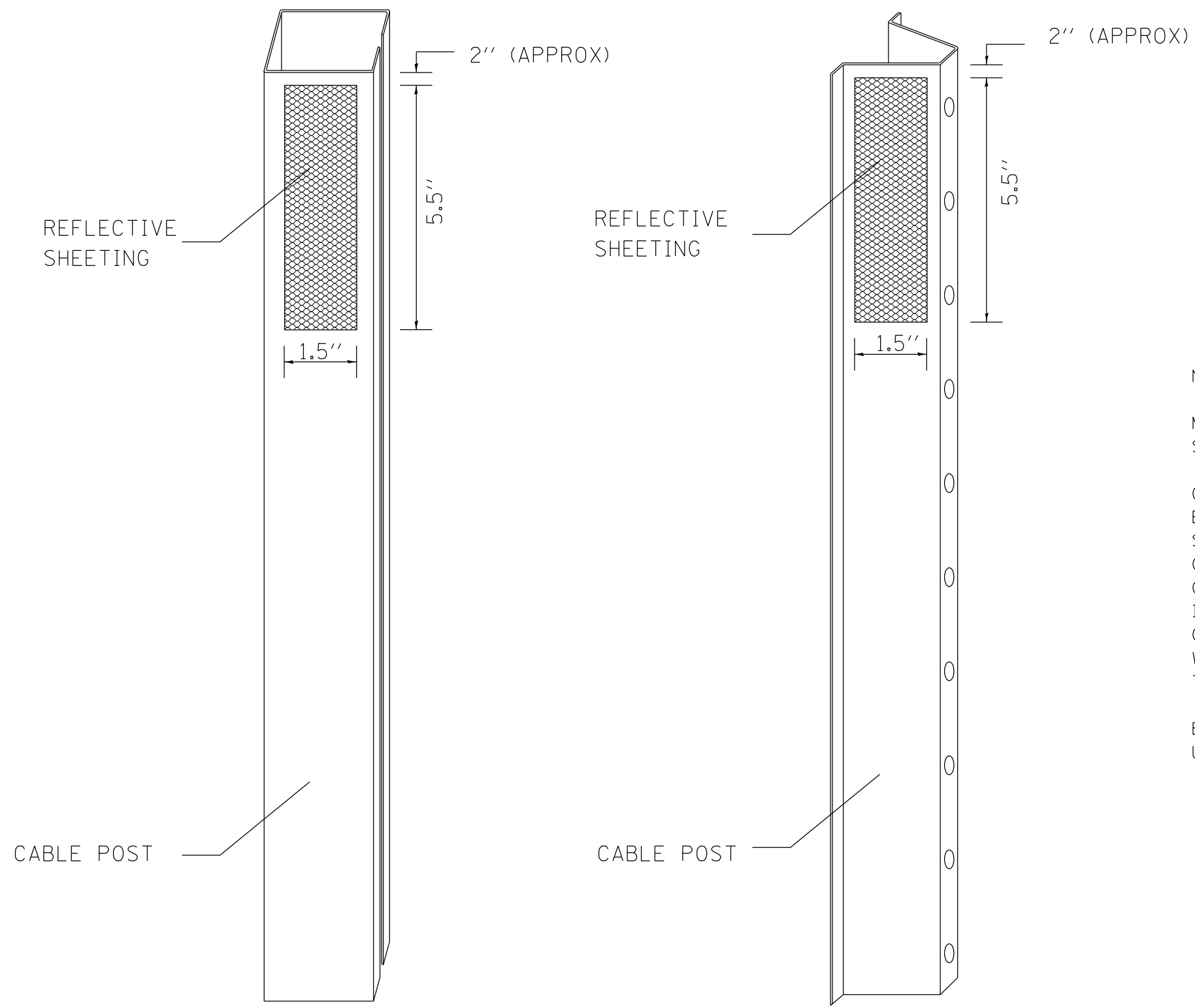
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02177-6008	6-00664-9977	0-01873-6001	SANGAMON	MACOUP IN
				VARIOUS GR 100% STATE ROADWAY	MCHD 100% MCHD ROADWAY	MED CBL BAR 100% STATE ROADWAY	6-01072-0000	
				0021 RURAL	0021 RURAL	0021 RURAL	NEW GR LOC 100% STATE ROADWAY	NEW GR LOC 100% STATE ROADWAY
							0021 RURAL	0021 RURAL
X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	95.00	45.0	50.0			
X6330801	GUARDRAIL POST REPAIR	EACH	45.00	25.0		20.0		
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	57.00	20.0	37.0			
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	57.00	20.0	37.0			
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	52.00	20.0	24.0	8.0		
Z0008759	CALL OUT	EACH	18.00	8.0	8.0	2.0		
Z0008760	EMERGENCY WORK CALL OUT	EACH	37.00	8.0	27.0	2.0		
Z0052000	REPAIR STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	2400.00	1550.0	850.0			
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	44.00	28.0	16.0			
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	7.00	3.0	4.0			
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7.00	3.0	4.0			
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	7.00	4.0	3.0			
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500				
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8.00	4.0	4.0			

Ø 0042

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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -					VAR.		VARIOUS	7	5
PLOT DATE = 5/12/2022	CHECKED -	REVISED -		SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 72898			
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT D6 CABLE/GUARDRAIL REPAIR 2023-1							



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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PLOT DATE = 5/12/2022	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	7	6
CONTRACT NO. 72898				
ILLINOIS FED. AID PROJECT				



LOCATION	63000001 SPBGR TA, 6 FT POSTS (FOOT)	63100167 TRAF BAR TERM TYPE 1 (SP) TAN (EACH)	63200310 GUARDRAIL REMOVAL (FOOT)	72501000 TERMINAL MARKER - DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTORS, TYPE A (EACH)
IL 29 E. OF I-55 RT	287.5	2		2	3
IL 111 S. OF CHESTERFIELD RT	212.5		25		2
TOTAL	500.0	2	25	2	5

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PLOT DATE = 5/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEW GUARDRAIL LOCATIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	*	7	7
CONTRACT NO. 72898				