

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	1
		ILLINOIS	CONTRACT NO. 66N28	

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
- 3 - 6. SUMMARY OF QUANTITIES
7. HTC LOCATIONS
8. HTC CABLE TENSION CHARTS AND LOGS
9. TERMINAL MARKER PLACEMENT AND REFLECTOR DETAIL
10. TIMBER CURB & BITUMINOUS CURB REPAIR & GUARD POST DETAIL & IMPACT ATTENUATOR PLAN
- 11-13. TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES
14. TRAFFIC BARRIER TERMINAL TYPE 8
15. TRAFFIC BARRIER TERMINAL TYPE 9
16. TRAFFIC BARRIER TERMINAL TYPE 12
- 17-20. PRE-MGS STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06 EFFECTIVE APRIL 1, 2006

PROPOSED HIGHWAY PLANS

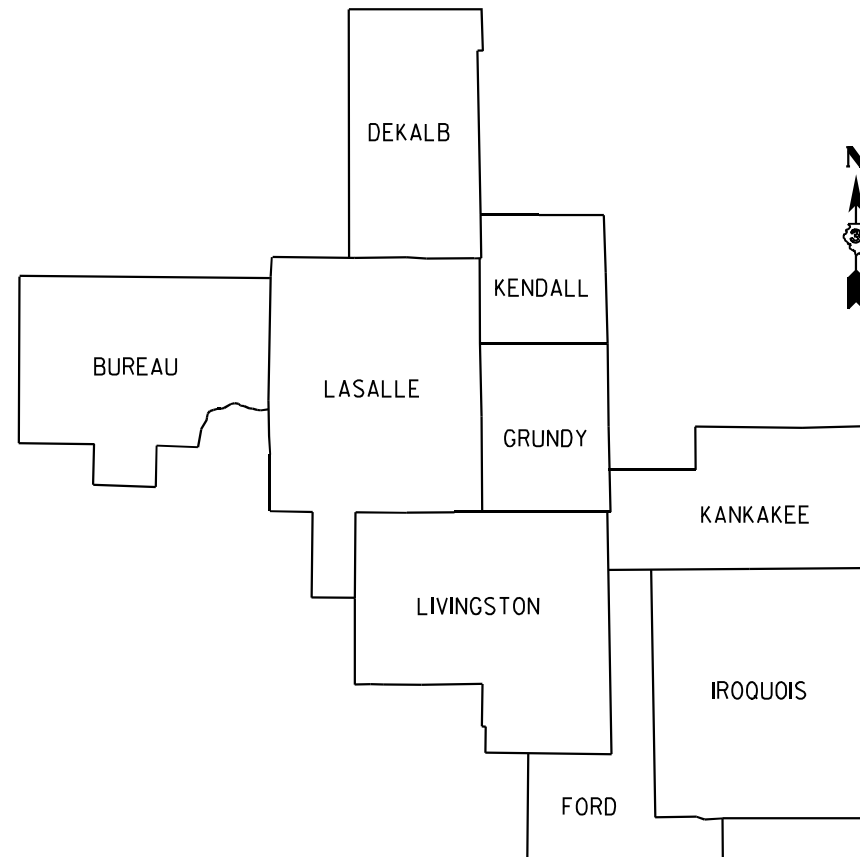
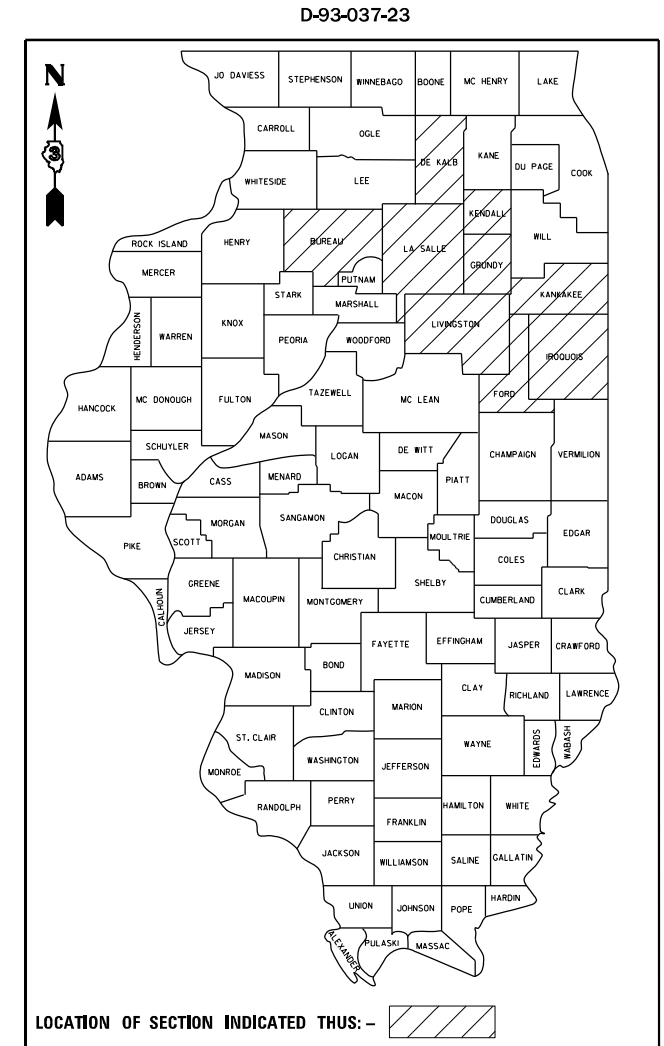
VARIOUS ROUTES
D3 HWY DAMAGE REPAIR FY 24
PROJECT COVD-KXIU(206)
VARIOUS COUNTIES

C-93-057-23

REPAIRING MOTORIST CAUSED DAMAGE TO HIGHWAY FACILITIES

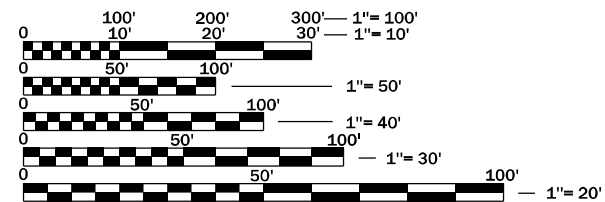
HIGHWAY STANDARDS

SEE PAGE 2 FOR LIST OF HIGHWAY STANDARDS



DISTRICT 3

LOCATION MAP
NOT TO SCALE



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: JOSEPH KANNEL, P.E.
UNIT CHIEF: DARCY MITCHELL
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66N28

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 22 2023

[Signature] REGIONAL ENGINEER

May 12, 2023 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-12	STEEL PLATE BEAM GUARDRAIL
630006	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630111-01	WEAK POST GUARDRAIL ATTACHED TO CULVERT
630116	BACK SIDE PROTECTION OF GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631006-08	TRAFFIC BARRIER TERMINAL, TYPE 1B
631011-10	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
631046-04	TRAFFIC BARRIER TERMINAL, TYPE 10
631051-03	TRAFFIC BARRIER TERMINAL, TYPE 11
631061-01	TRAFFIC BARRIER TERMINAL, TYPE 13
631066	TRAFFIC BARRIER TERMINAL, TYPE 14
636001-02	CABLE ROAD GUARD SINGLE STRAND
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' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' 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
701401-13	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
701416-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH CROSSOVER AND BARRIER
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, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, 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 LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR IS ADVISED THAT THERE MAY BE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES. PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE REMOVAL OF DAMAGED GUARDRAIL, DAMAGED HIGH-TENSIONCABLE, AND DAMAGED POSTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS REPLACEMENT PAY ITEMS.

THE TRAFFIC CONTROL REQUIRED FOR THE REPAIRS OR INSTALLATION OF GUARDRAIL, HIGH-TENSION CABLE, OR FENCE SHALL BE INCLUDED IN THE CALLOUT TRAFFIC CONTROL PAY ITEMS AS DESCRIBED IN THE SPECIAL PROVISIONS, AND SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL STANDARDS INCLUDED HEREIN.

ALL HARDWARE (NUTS, BOLTS, WASHERS, STAPLES, WIRES, TIES, ETC.) REQUIRED FOR THE REPAIRS TO OR INSTALLATION OF GUARDRAIL, HIGH-TENSION CABLE, AND FENCE SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS OF WORK IN THIS CONTRACT.

CONTRACTOR SHALL PROVIDE A FIELD OFFICE IN LASALLE OR BUREAU COUNTY.

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION: _____

INSPECTORS: _____

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY24

FILE NAME = pw2/illdot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 3/ORD Projects/66N28/CADData/66N28-sh1-cover.dwg	USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISED - _____			VAR.	*		20	2
Default	PLOT DATE = 3/23/2023	DATE - _____	REVISED - _____	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 66N28		
								ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				MCHD 100% MCHD ROADWAY	CONT MAIN 100% STATE ROADWAY	HTC BARRIER 100% STATE ROADWAY	COVID RELIEF 100% FED ROADWAY
				0021	0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0	RURAL COVID
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	8	2			6
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1			
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9	2			7
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1			
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1			
63100101	TRAFFIC BARRIER TERMINAL, TYPE 9	EACH	1	1			
63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	1	1			
63100115	TRAFFIC BARRIER TERMINAL, TYPE 12	EACH	1	1			
63100119	TRAFFIC BARRIER TERMINAL, TYPE 14	EACH	1	1			
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	85	10			75
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	9	2			7
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	50		50		
63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	50		50		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1			

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/28/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	3
CONTRACT NO. 66N28				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				MCHD 100% MCHD ROADWAY	CONT MAIN 100% STATE ROADWAY	HTC BARRIER 100% STATE ROADWAY	COVID RELIEF 100% FED ROADWAY
				0021	0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0	RURAL COVID
66400105	CHAIN LINK FENCE, 4'	FOOT	300	150	150		
66400305	CHAIN LINK FENCE, 6'	FOOT	250	150	100		
66500105	WOVEN WIRE FENCE, 4'	FOOT	4000	2500	1500		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12			12	
67100100	MOBILIZATION	L SUM	1	0.5	0.5		
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20	10	10		
X0322878	TIMBER CURB	FOOT	5	5			
X0326126	WOOD TERMINAL POST	EACH	2	1	1		
X6310301	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL	EACH	52	2			50
X6432200	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE)	EACH	3				3
X6440106	REPLACE HIGH TENSION CABLE END SECTION	EACH	16	3		5	8
X6440108	REPAIR HIGH TENSION CABLE	FOOT	4800	50		1250	3500
X6440118	REPAIR HIGH TENSION BARRIER TERMINAL	EACH	15	1		5	9
X6440122	REMOVE AND REPLACE HIGH TENSION CABLE POST	EACH	1600	400		500	700

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/28/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	4
CONTRACT NO. 66N28				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				MCHD 100% MCHD ROADWAY	CONT MAIN 100% STATE ROADWAY	HTC BARRIER 100% STATE ROADWAY	COVID RELIEF 100% FED ROADWAY
				0021	0021	0021	0021
				RURAL 07MO	RURAL 07EO	RURAL 07AO	RURAL COVID
X6440124	REMOVE AND REPLACE HTC POST (HEAVY DUTY)	EACH	950	100		500	350
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	50	50			
X6300215	RAIL ELEMENT PLATES	EACH	495	150	95		250
X6300230	STEEL POSTS	EACH	495	150	95		250
X6331101	TUBULAR THRIE BEAM	FOOT	50	20			30
X6331105	STEEL POSTS, MODIFIED	EACH	16	2	4		10
X6331110	STEEL POSTS, SPECIAL	EACH	10	5	5		
X6432110	REPLACE IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	84	25	5		54
X6610200	HOT-MIX ASPHALT C/ RB REPAIR	FOOT	25	25			
X6640502	CHAIN LINK FENCE POST	EACH	15	10	5		
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	72	15	2		55
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	13	1	1	1	10
Z0012752	CONCRETE STRUCTURE REPAIR	CJ FT	10	10			
Z0020210	PULL POST ARRANGEMENT	EACH	15	10	5		

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DISTRICT 3 HIGHWAY DAMAGE REPAIR FY24

USER NAME = Timothy.Pletsch	DESIGNED -	REVISED - . . .
PLOT SCALE = 100,000 1" = 100'	DRAWN -	REVISED - . . .
PLOT DATE = 3/28/2023	CHECKED -	REVISED - . . .
	DATE -	REVISED - . . .

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: --- SHEET --- OF --- SHEETS! STA. --- TO STA. ---

FAP. I	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. I			VARIOUS	20 5
			CONTRACT NO. 66N28	
ILLINOIS I. FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				MCHD 100% MCHD ROADWAY	CONT MAIN 100% STATE ROADWAY	HTC BARRIER 100% STATE ROADWAY	COVID RELIEF 100% FED ROADWAY
				0021	0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0	RURAL COVID
Z0029657	HIGH TENSION CABLE SYSTEM MAINTENANCE	EACH	1125	200		325	600
Z0029665	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - RAIL ELEMENT PLATE	FOOT	40	20	10		10
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	8	1			7
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1			
Z0053210	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1			
Z0053220	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1			
Z0053400	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 8	EACH	1	1			
Z0053500	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 9	EACH	1	1			
Z0053575	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 12	EACH	1	1			

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,000 * / in.	DRAWN - _____	REVISED - _____		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	VARIOUS	20	6
PLOT DATE = 3/28/2023	CHECKED - _____	REVISED - _____		CONTRACT NO. 66N28								
	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT								

HIGH TENSION CABLE BARRIER REPAIR SYSTEM SCHEDULE

LOCATION	COUNTY	SYSTEM	SYSTEM TYPE	CONTACT INFORMATION	
I-39, MP 63.9-69.9	LASALLE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
IL 47, I-80 TO CATON FARM RD	GRUNDY/KENDALL	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-55, MP 227-233	GRUNDY	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, MP 216-227	GRUNDY & LIVINGSTON	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, MP 207-210.5	GRUNDY	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, JUST INSIDE WILL CO		GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 322-324	KANKAKEE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 312-314.8	KANKAKEE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 310.1-312	KANKAKEE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 306.1-310.1	KANKAKEE	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-57, MP 302.5-306.1	KANKAKEE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 293-302.5	IROQUOIS/KANKAKEE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 290.5-293	IROQUOIS	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-57, MP 285-290.5	IROQUOIS	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-57, MP 277-279	IROQUOIS	NUCOR	DRIVEN		JEREMY KNERNDCHIELD (913)744-8054
I-80, MP 97-105	LASALLE & GRUNDY	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-80, MP 92.5-97.1	LASALLE	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-80, MP 80.5-92.5	LASALLE	TRINITY	DRIVEN (HD)	SCOTT MYERS (817)437-9023	RICHARD FIGLEWICZ (847)638-4611
I-80, MP 74.3-80.2	LASALLE	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 64-70.1	BUREAU	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 41.5-48.1	BUREAU	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 34.9-41.5	BUREAU	GIBRALTAR	DRIVEN	BEN DVORAK (815)288-2343	

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* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY24

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH TENSION CABLE LOCATIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN - _____	REVISIONS - _____	REVISIONS - _____		SCALE: _____	SHEET ____ OF ____ SHEETS	STA. _____ TO STA. _____	VAR.	*	VARIOUS	20	7
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____		CONTRACT NO. 66N28							
PLOT DATE = 3/23/2023	DATE - _____	REVISIONS - _____		ILLINOIS FED. AID PROJECT							



Illinois Department of Transportation

TENSION LOG SHEET
FOR
High Tension Cable Barrier

System	
	Brifen
	USHTCS (Nucor)
	Gibraltar
	Trinity (CASS)

Date / Time: _____

Contract / Work Order No. _____

County: _____

Route: _____

Milepost/ GPS: _____

Ambient Temp: _____

Rope Temp: _____

3 or 4 Cable System	Location 1 Actual Load kN/LB	Location 2 Actual Load kN/LB	Location 3 Actual Load kN/LB	Average Load (L1+L2+L3/3) kN/LB	Design Load kN/LB (see charts)
Top Cable					
Cable 2					
Cable 3 (If Applicable)					
Bottom Cable					

Note: Readings should be taken at 3 separate places along each cable, moving the tension meter at least 4" between readings. The average load is compared to design load for tolerance.

Number of splices made to the cable: _____

Were tensioning adjustments made to the cable: _____

Is 1" (minimum) of thread exposed in all turnbuckle windows: _____

Splice Type & Location (s): _____

Testing Equipment Used: _____

Printed Name & Signature of Tester: _____

Other Notes: _____

IDOT Inspector Initials (if Present): _____

TENSION CHECK REQUIREMENTS

CHECKING AND CORRECTING THE TENSION IN EACH CABLE SHALL BE PERFORMED EACH TIME A CABLE IS SPLICED. THE RECOMMENDED TENSIONS FOR EACH SYSTEM SHALL BE ACCORDING TO MANUFACTURE SPECIFICATIONS, ARE SHOWN IN THE CHARTS. THE RESULT OF EACH CHECK SHALL BE RECORDED ON A COPY OF THE TENSION LOG SHEET SHOWN ON THIS SHEET. THE COMPLETED LOG SHALL BE SUBMITTED ALONG WITH WORK ORDER BILLINGS.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

FILE NAME =	USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____
pw2/illdot-pw.bentley.com:PWIDOT/Documents/IDOT Offices/District 3/ORD Projects/D366N28/CADDData/66N28-sh-4-details.dwg	DRAWN - _____	REVISIONS - _____	REVISIONS - _____
Default	PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISIONS - _____
	PLOT DATE = 3/23/2023	DATE - _____	REVISIONS - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HTC CABLE TENSION CABLE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	8
			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation

TENSION LOG SHEET
FOR
High Tension Cable Barrier

System	
	Brifen
	USHTCS (Nucor)
	Gibraltar
	Trinity (CASS)

Date / Time: _____

Contract / Work Order No. _____

County: _____

Route: _____

Milepost/ GPS: _____

Ambient Temp: _____

Rope Temp: _____

3 or 4 Cable System	Location 1 Actual Load kN/LB	Location 2 Actual Load kN/LB	Location 3 Actual Load kN/LB	Average Load (L1+L2+L3/3) kN/LB	Design Load kN/LB (see charts)
Top Cable					
Cable 2					
Cable 3 (If Applicable)					
Bottom Cable					

Note: Readings should be taken at 3 separate places along each cable, moving the tension meter at least 4" between readings. The average load is compared to design load for tolerance.

Number of splices made to the cable: _____

Were tensioning adjustments made to the cable: _____

Is 1" (minimum) of thread exposed in all turnbuckle windows: _____

Splice Type & Location (s): _____

Testing Equipment Used: _____

Printed Name & Signature of Tester: _____

Other Notes: _____

IDOT Inspector Initials (if Present): _____

TENSION CHECK REQUIREMENTS

CHECKING AND CORRECTING THE TENSION IN EACH CABLE SHALL BE PERFORMED EACH TIME A CABLE IS SPLICED. THE RECOMMENDED TENSIONS FOR EACH SYSTEM SHALL BE ACCORDING TO MANUFACTURER SPECIFICATIONS. THE RESULT OF EACH CHECK SHALL BE RECORDED ON A COPY OF THE TENSION LOG SHEET SHOWN ON THIS SHEET. THE COMPLETED LOG SHALL BE SUBMITTED A LONG WITH WORK ORDER BILLINGS.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

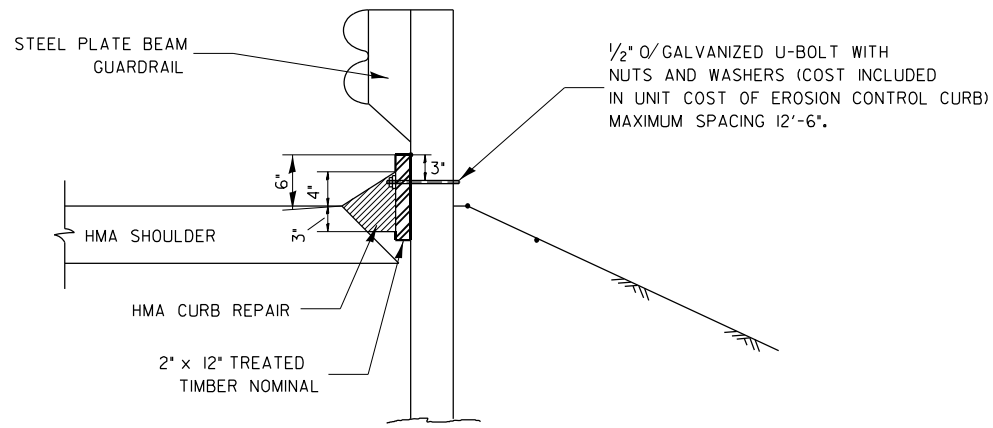
FILE NAME =	USER NAME = Anthony.Grunstad	DESIGNED - _____	REVISED - _____
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

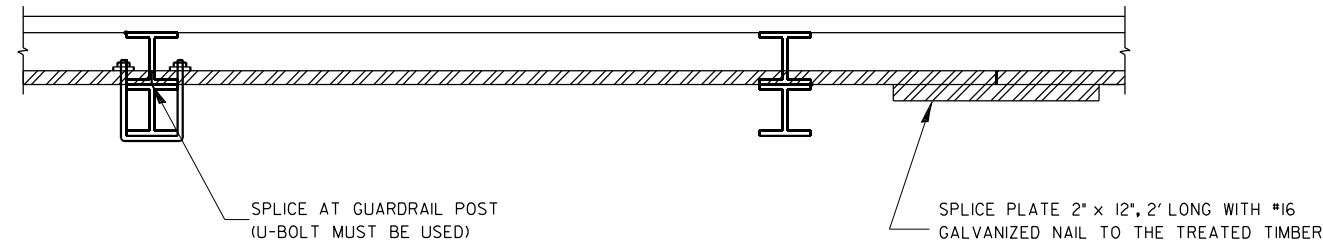
HTC CABLE TENSION CABLE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	8
			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				



SIDE VIEW



TOP VIEW

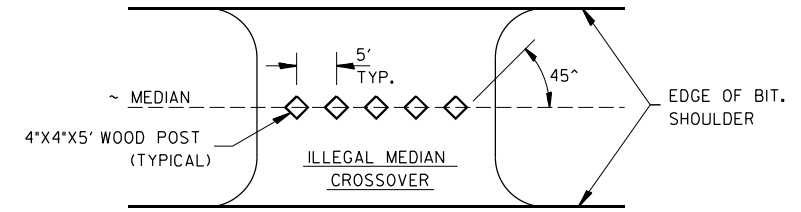
NOTE:
 THE TREATED TIMBER SHALL BUTT TOGETHER AT THE GUARDRAIL POST OR SPLICED AS SHOWN ON THE DETAIL.

THE TREATED TIMBER SHALL BE TREATED IN ACCORDANCE TO ARTICLE 1007.12 AND ALL PRESERVATIVES SPECIFIED IN THE ARTICLE WILL BE ALLOWED.

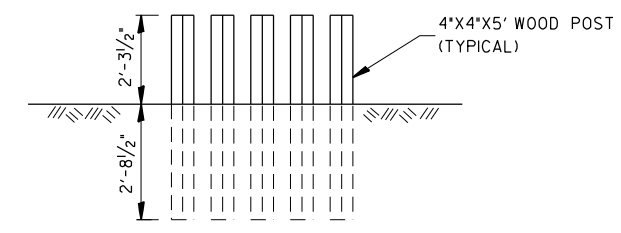
THE PRICE FOR EROSION CONTROL CURB SHALL INCLUDE THE U-BOLTS ATTACHING THE TREATED TIMBER TO THE GUARDRAIL POSTS, TREATED TIMBER, AND THE NECESSARY GRADING TO COMPLETE THIS WORK.

HMA CURB REPAIR SHALL BE MEASURED AND PAID FOR AT CONTRACT UNIT PRICE PER TON.

HMA CURB REPAIR SHALL BE IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.



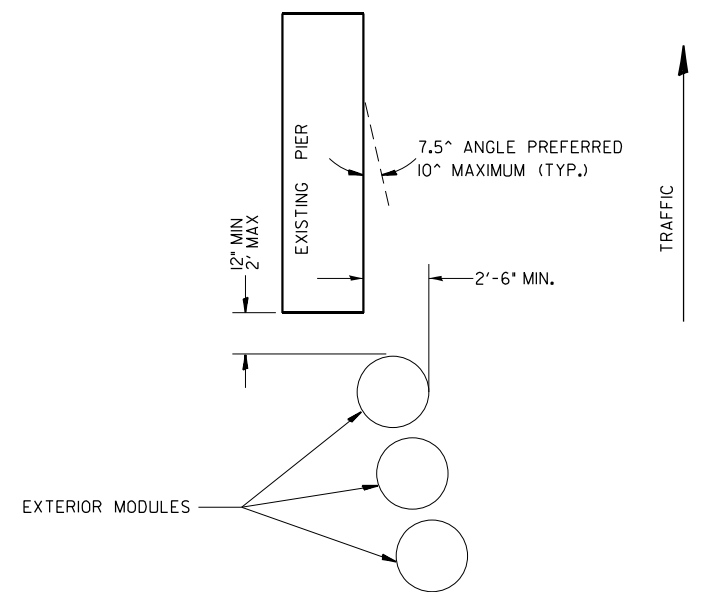
PLAN



ELEVATION

WOOD POST DETAIL

IMPACT ATTENUATOR LAYOUT PLAN



TYPICAL EXTERIOR MODULE LAYOUT

- NOTES:**
1. THE PAY ITEM *REPLACE IMPACT ATTENUATORS, (NON-REDIRECTIVE), TEST LEVEL 3* HAS BEEN INCLUDED TO REPLACE INDIVIDUAL DAMAGED SAND MODULES.
 2. REPLACEMENT MODULES SHALL MATCH THE KIND OF MODULES THAT ARE REMAINING.
 3. IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH SECTION 643 FOR IMPACT ATTENUATORS, AND WITH STANDARD 64300L.
 4. THIS SHEET SHOWS THE LAYOUT INFORMATION FOR REPLACEMENT OF SAND MODULES (IMPACT ATTENUATORS) AT A TYPICAL INTERSTATE LOCATION.
 5. ADJACENT SAND MODULE IMPACT ATTENUATORS THAT ARE NOT DAMAGED, BUT HAVE BEEN SHIFTED LATERALLY FROM THEIR ORIGINAL POSITION SHALL BE REALIGNED OR MOVED BACK TO THEIR ORIGINAL POSITION, AS DIRECTED BY THE ENGINEER. REALIGNMENT OR MOVING OF ADJACENT UNDAMAGED MODULES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF REPLACEMENT. THE WORK TO REALIGN OR SHIFT UP TO 2 MODULES SHALL BE INCLUDED WITH EACH REPLACED SAND MODULE IMPACT ATTENUATOR.

TIMBER CURB & HMA CURB REPAIR

MODEL: Default
 FILE: \\blm\p\project\3080\Documents\DOT 0_ces\District_3080\Project\3080\Drawings\66N28\ent-detail.dgn

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TIMBER CURB & BITUMINOUS CURB REPAIR
 & GUARD POST DETAIL & IMPACT ATTENUATOR PLAN**

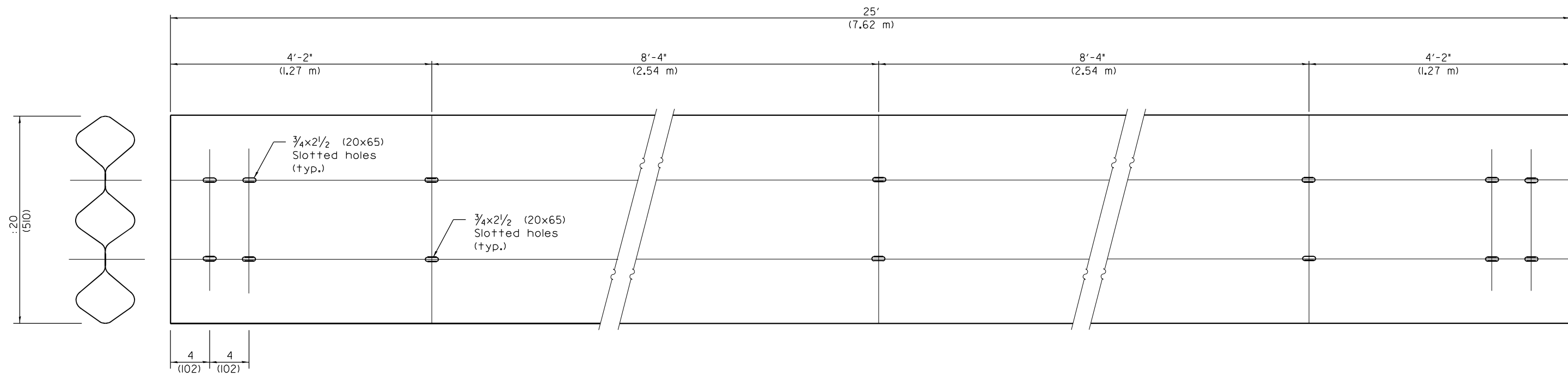
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

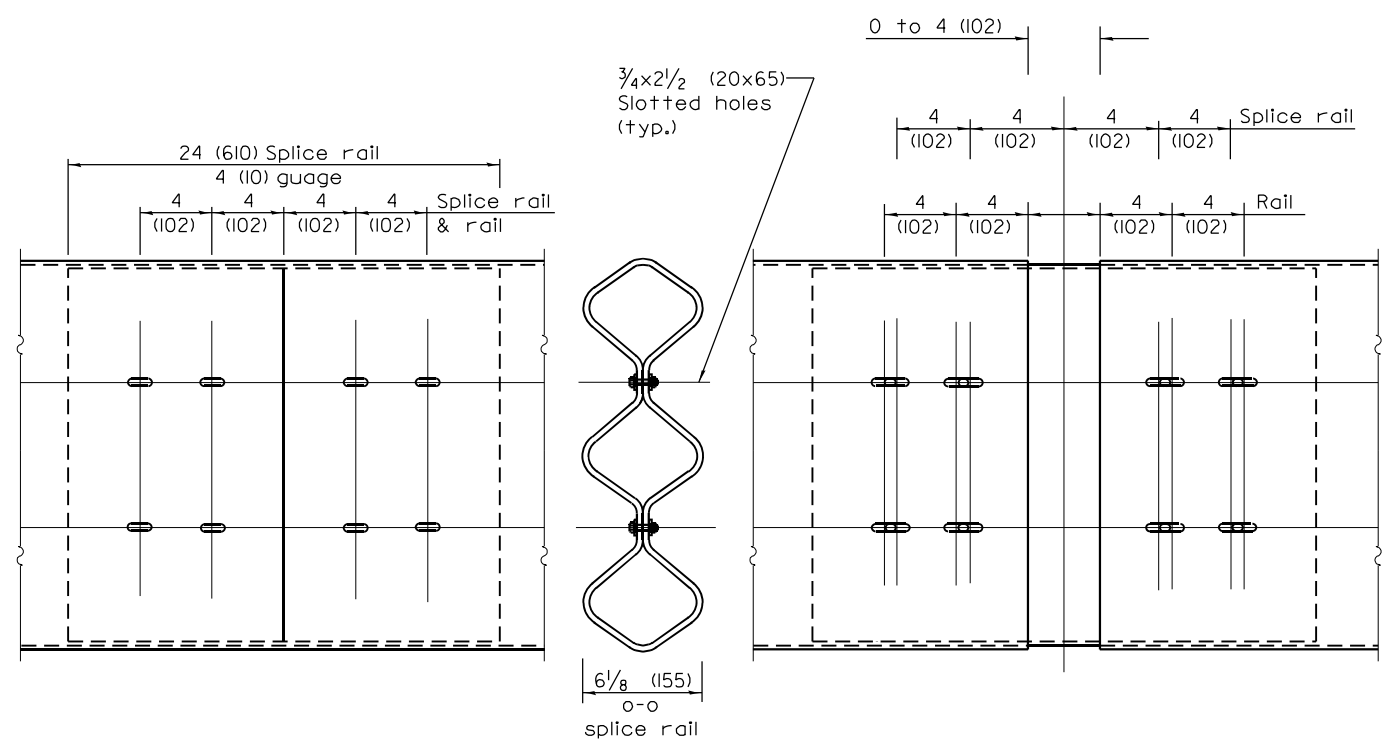
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	10

CONTRACT NO. 66N28

ILLINOIS FED. AID PROJECT

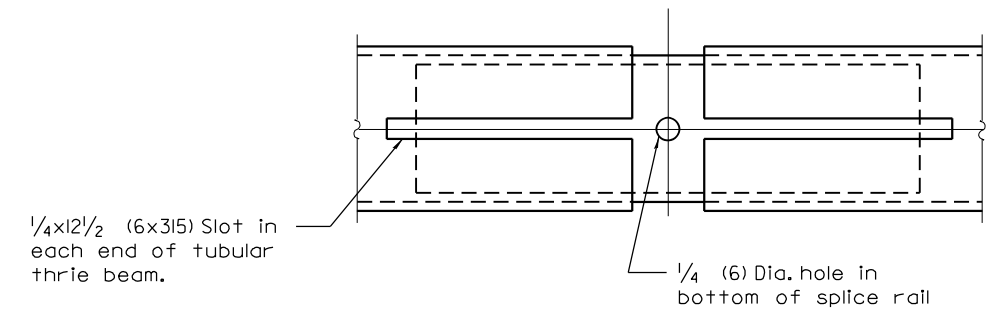


TUBULAR THRIE BEAM FOR INTERNAL SPLICE JOINT



INTERNAL SPLICE JOINT

INTERNAL EXPANSION SPLICE JOINT



BOTTOM VIEW OF INTERNAL EXPANSION SPLICE JOINT

GENERAL NOTES

Plate Washers B are to be placed under both heads and nuts of splicing bolts for internal splice and internalexansion splice joint.

Plate Washers C are to be placed under both heads and nuts of splicing bolts for lap expansion and internallap splice joint.

See Standard 630001 for details of guardrail not shown.

All dimensions are in inches (millimeters) unless otherwise shown.

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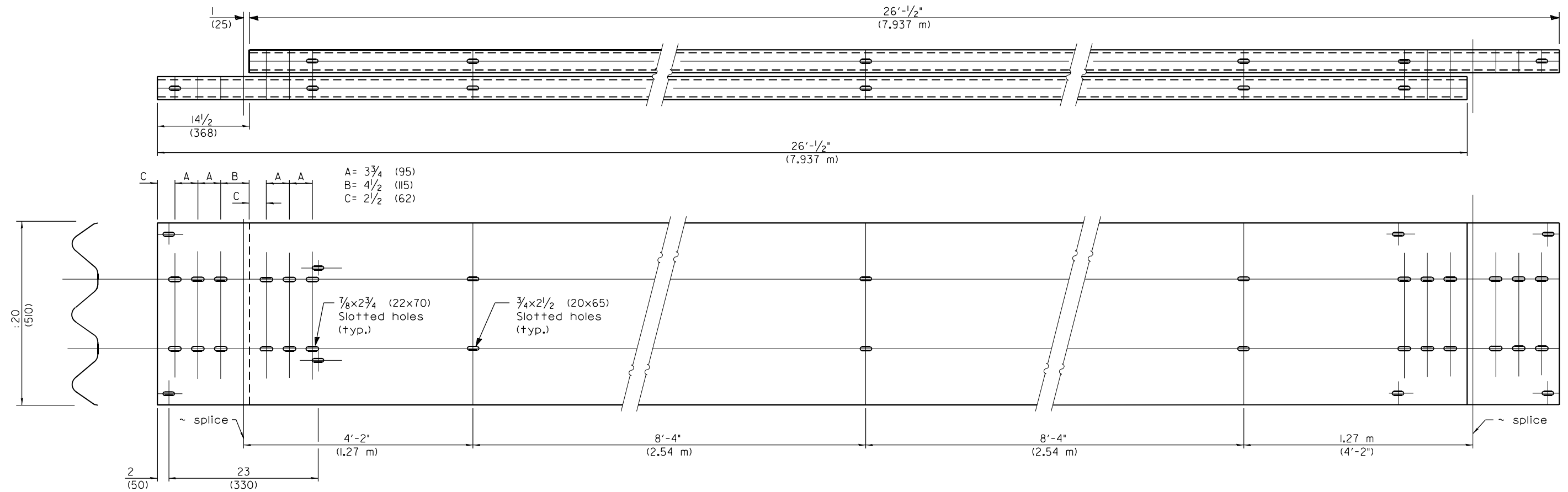
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DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

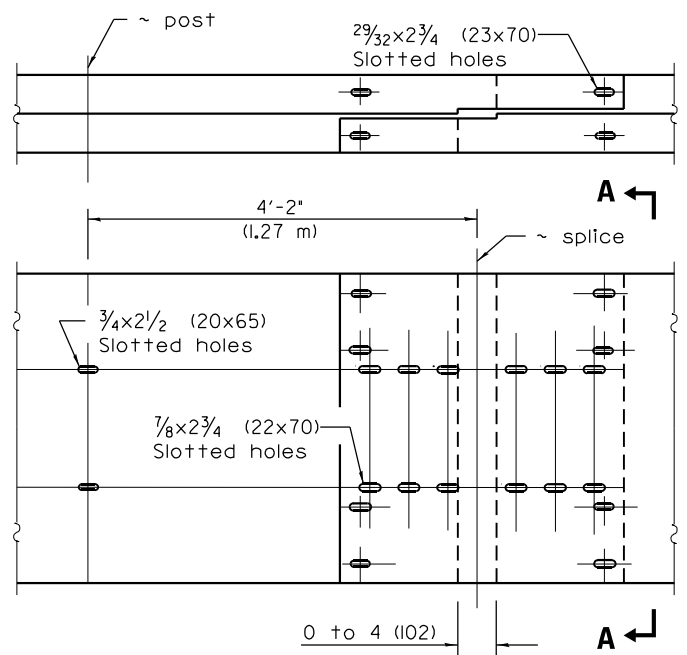
**TUBULAR THRIE BEAM
RETROFIT RAIL FOR BRIDGES**

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

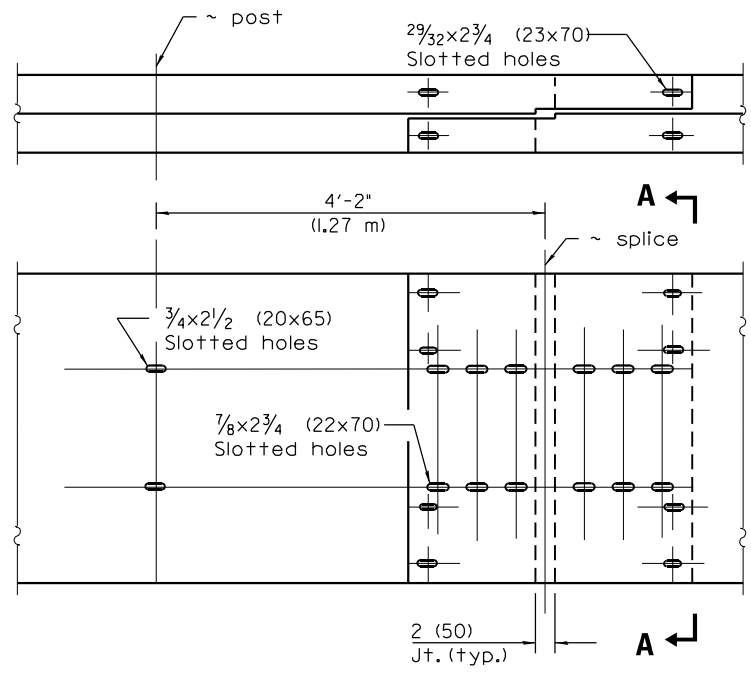
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	11
			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				



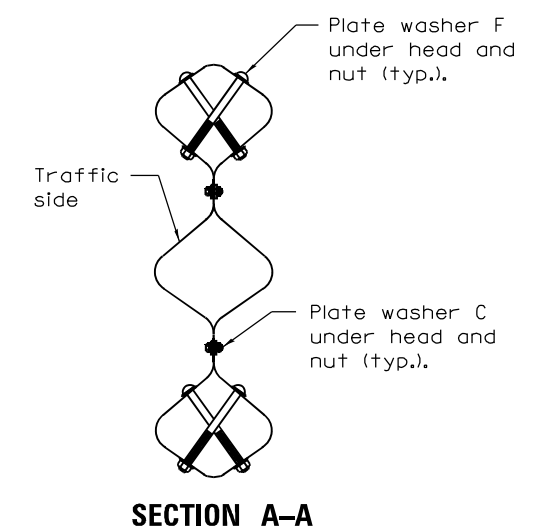
TUBULAR THRIE BEAM FOR LAP SPlice JOINT



LAP EXPANSION SPlice JOINT



LAP SPlice JOINT



SECTION A-A

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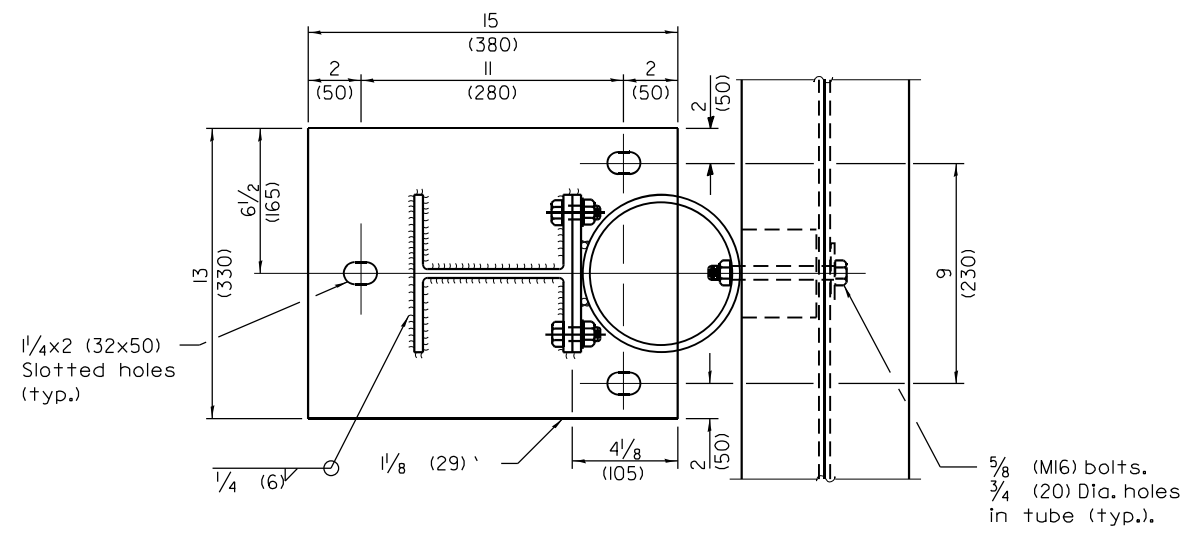
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DRAWN - _____	REVISIONS - _____	
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: _____	SHEET _____ OF _____ SHEETS	STAR	*	VARIOUS	20	12
STA. _____ TO STA. _____		CONTRACT NO. 66N28				

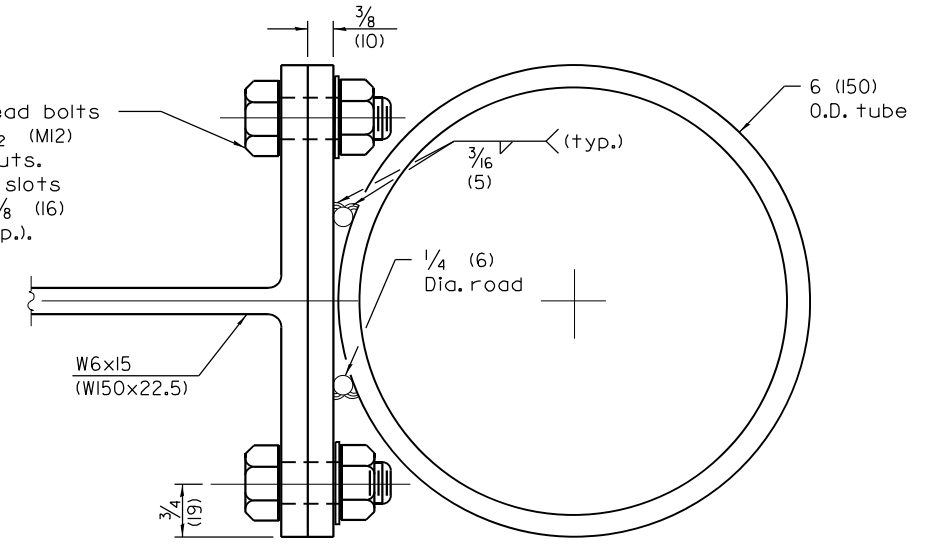
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

ILLINOIS FED. AID PROJECT

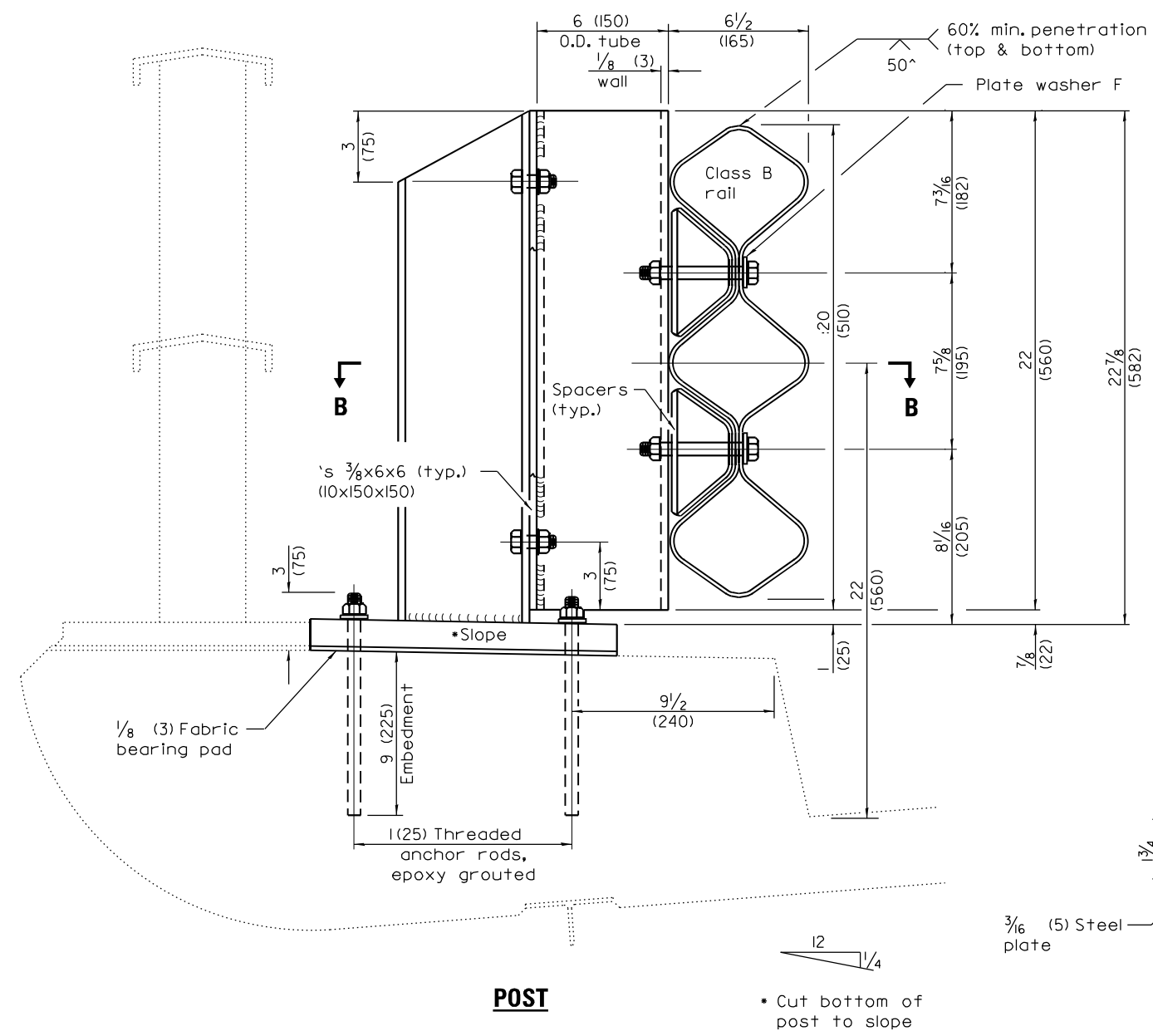


SECTION B-B

1/2 x 1/4 (M12x32) hex head bolts with hex nuts and 1/2 (M12) flat washer under nuts.
 5/8 x 1/2 (16x38) vertical slots in 3/8 (10) plate and 5/8 (16) dia. holes in post (typ.).

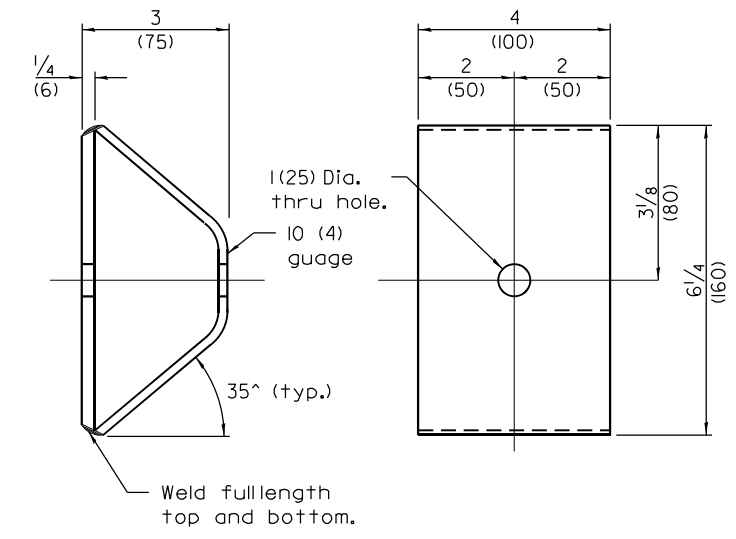


TUBE TO POST ATTACHMENT



POST

* Cut bottom of post to slope



SPACER

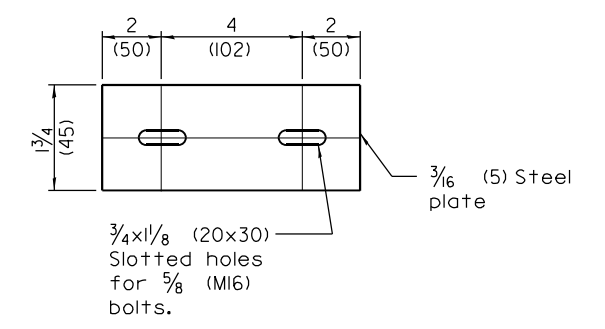


PLATE WASHER B

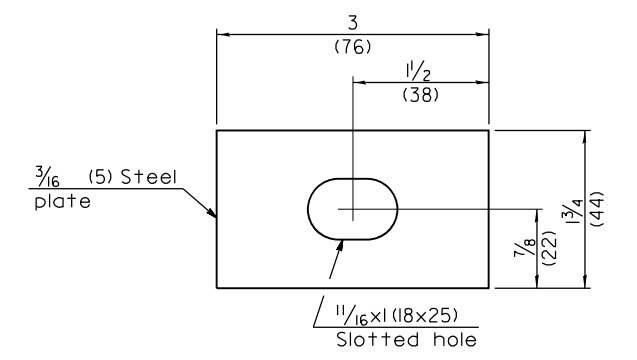


PLATE WASHER F

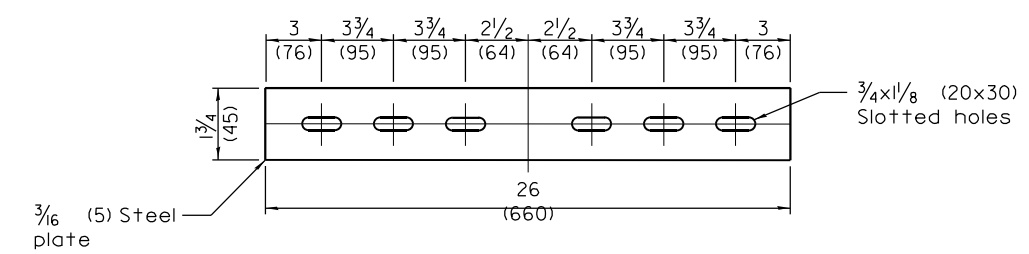


PLATE WASHER C

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 PROJECT: DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

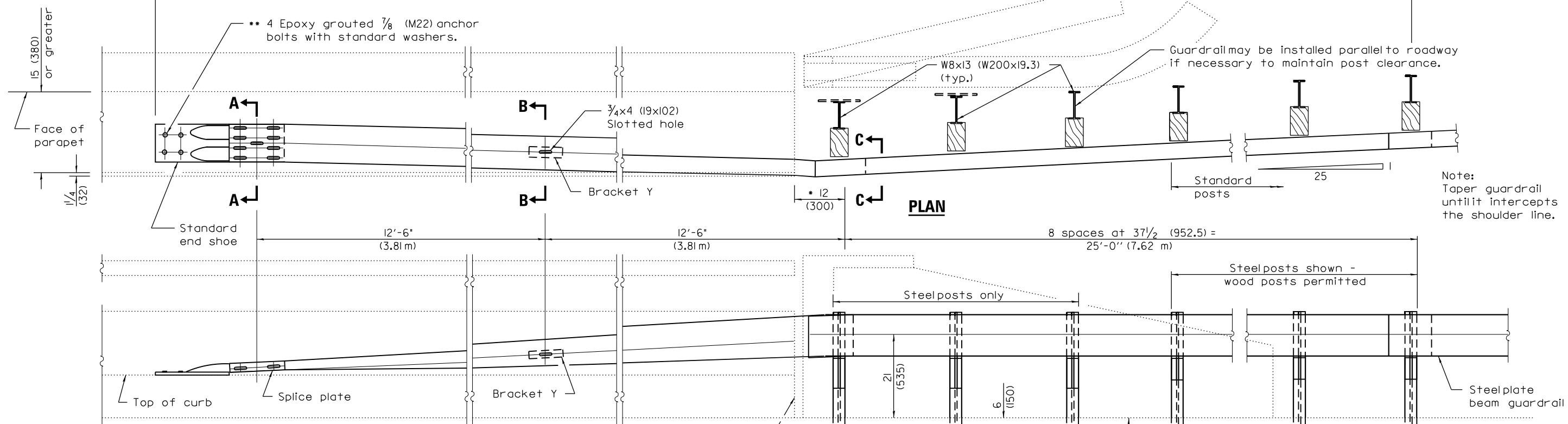
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PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

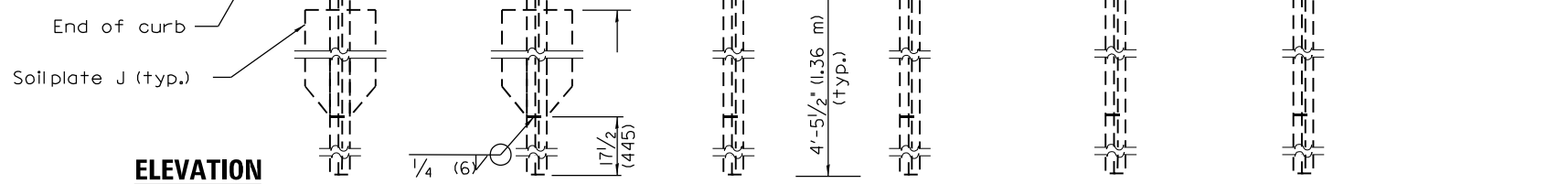
**TUBULAR THRIE BEAM
 RETROFIT RAIL FOR BRIDGES**

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

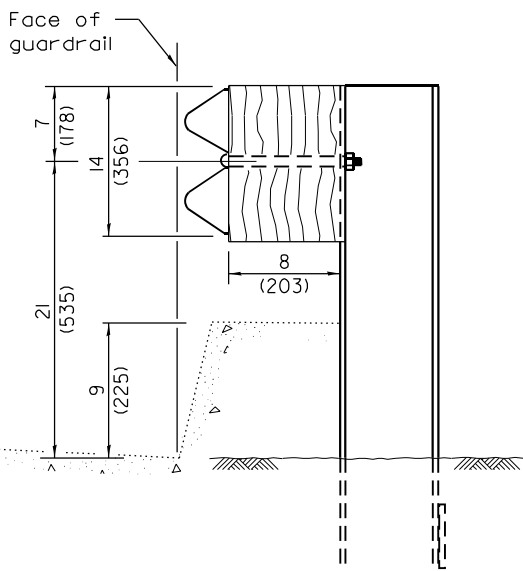
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR.	*	VARIOUS	20
		CONTRACT NO. 66N28	SHEET NO. 13
		ILLINOIS FED. AID PROJECT	



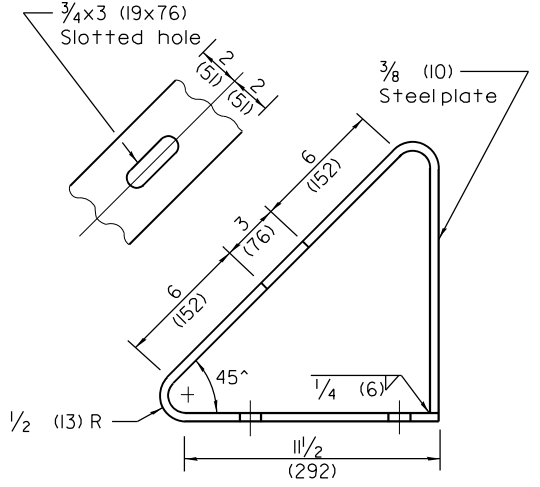
Note: Taper guardrail until it intercepts the shoulder line.



ELEVATION

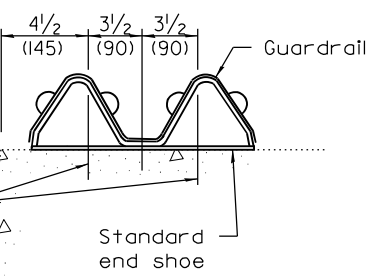


SECTION C-C

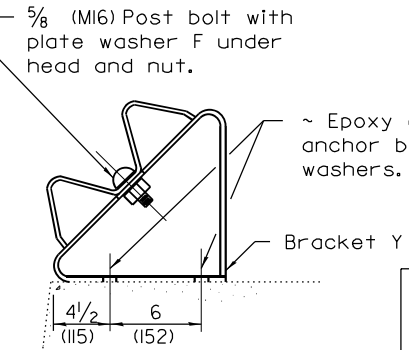


BRACKET Y

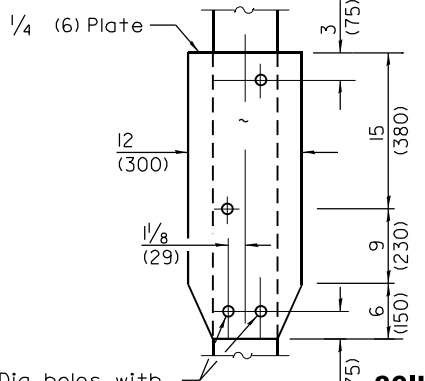
~ Epoxy grouted 7/8 (M22) anchor bolts with standard washers. **



SECTION A-A



SECTION B-B



SOIL PLATE J & ALTERNATE CONNECTION DETAILS

FOR INFORMATION ONLY

GENERAL NOTES

- See Standard 63000I for details of guardrail not shown.
 - This dimension may be increased to fit field conditions. This post shall be located first. The layout of the terminal shall be determined by its location.
 - ** After tightening, cut the anchor bolts flush with nuts, and damage the bolt head to prevent them from loosening.
- All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

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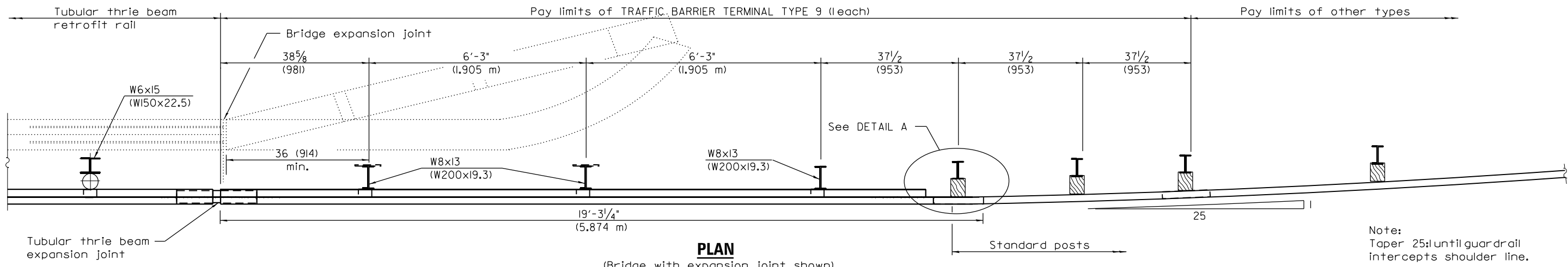
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PLOT DATE = 3/23/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC BARRIER TERMINAL TYPE 8

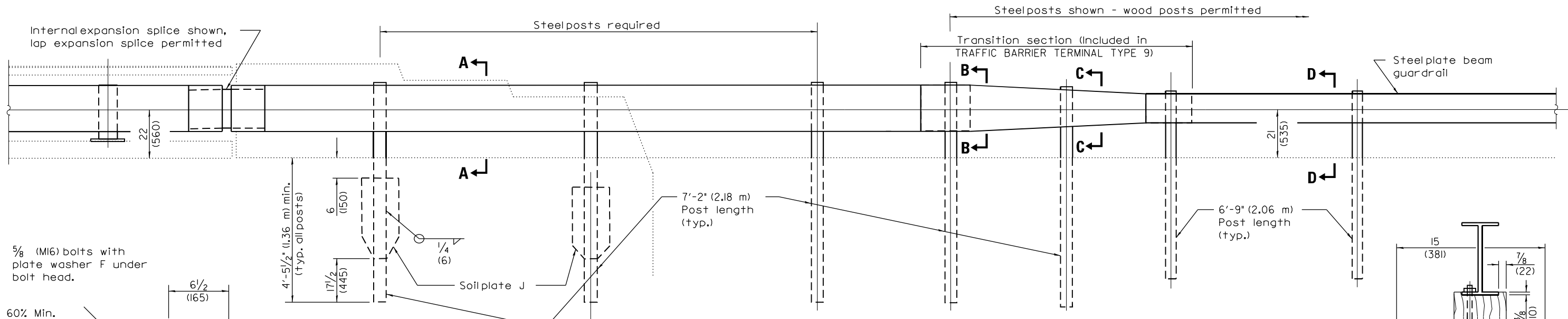
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	14
			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				

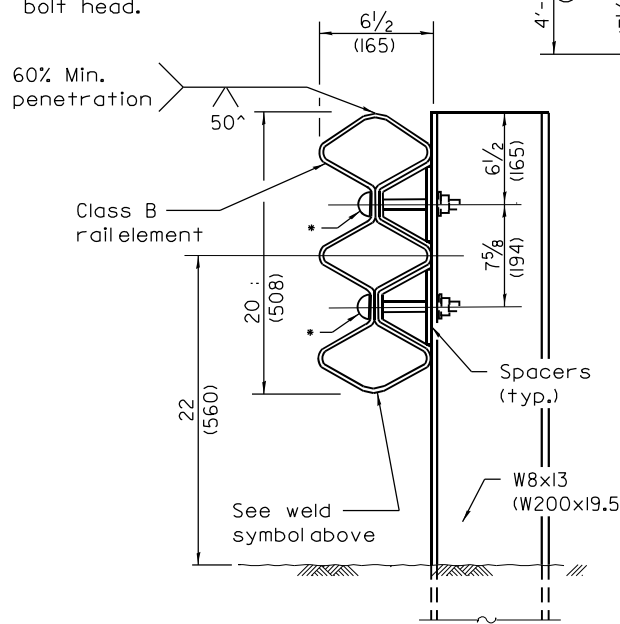


PLAN
(Bridge with expansion joint shown)

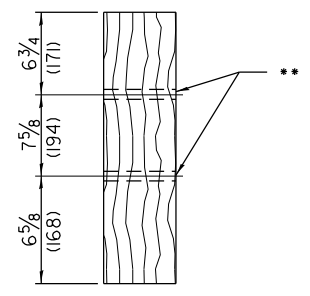
Note:
Taper 25:1 until guardrail intercepts shoulder line.



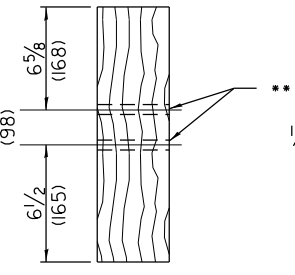
ELEVATION



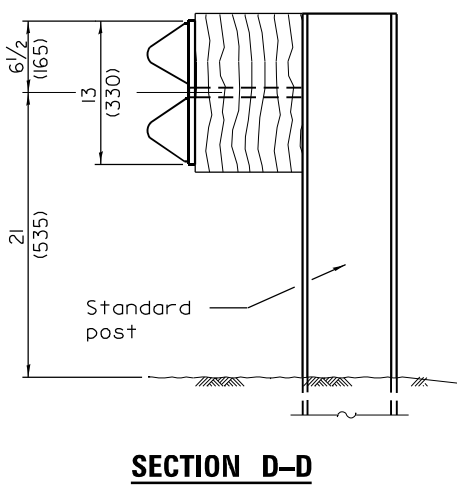
SECTION A-A



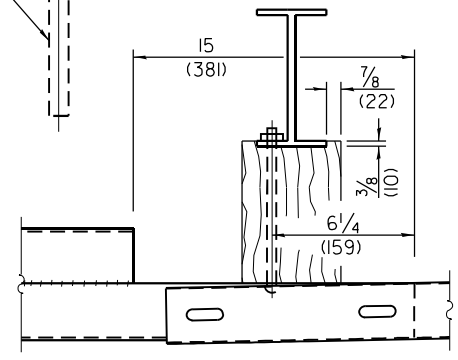
SECTION B-B



SECTION C-C



SECTION D-D



DETAIL A

DETAILS of BLOCK-OUTS
•• ~ 3/4 (19) Dia. hole

4-3/4 (19) Dia. holes with 5/8 (M16) hex head bolts with std. hex nut (typ.)

SOIL PLATE J & ALTERNATE CONNECTION DETAILS

FOR INFORMATION ONLY

GENERAL NOTES

See Standards 50900I and 63000I for details of guardrail elements not shown.

The Type 9 terminal shall be installed after the posts for the bridge retrofit rail have been located as shown on Standard 50900I.

All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

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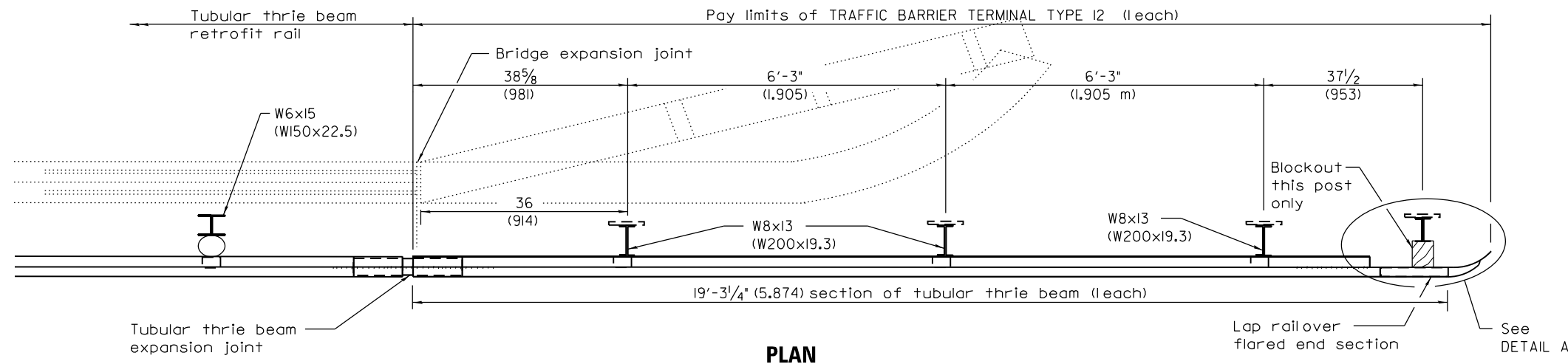
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DRAWN - _____	RECHECKED - _____	REVISIONS - _____
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

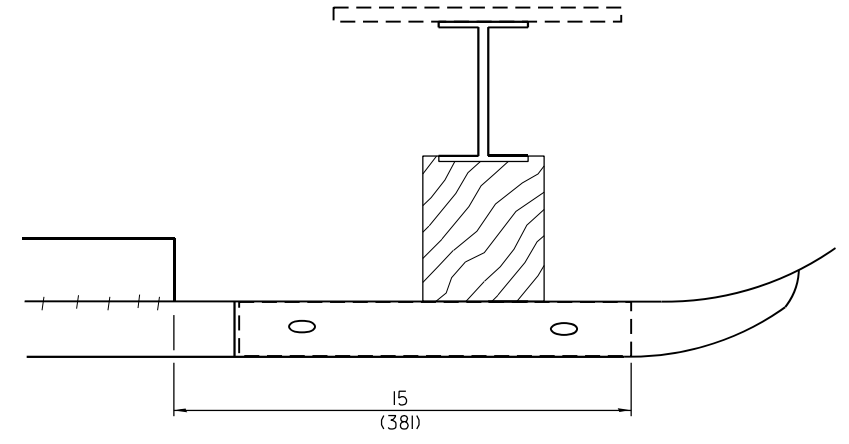
TRAFFIC BARRIER TERMINAL TYPE 9

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

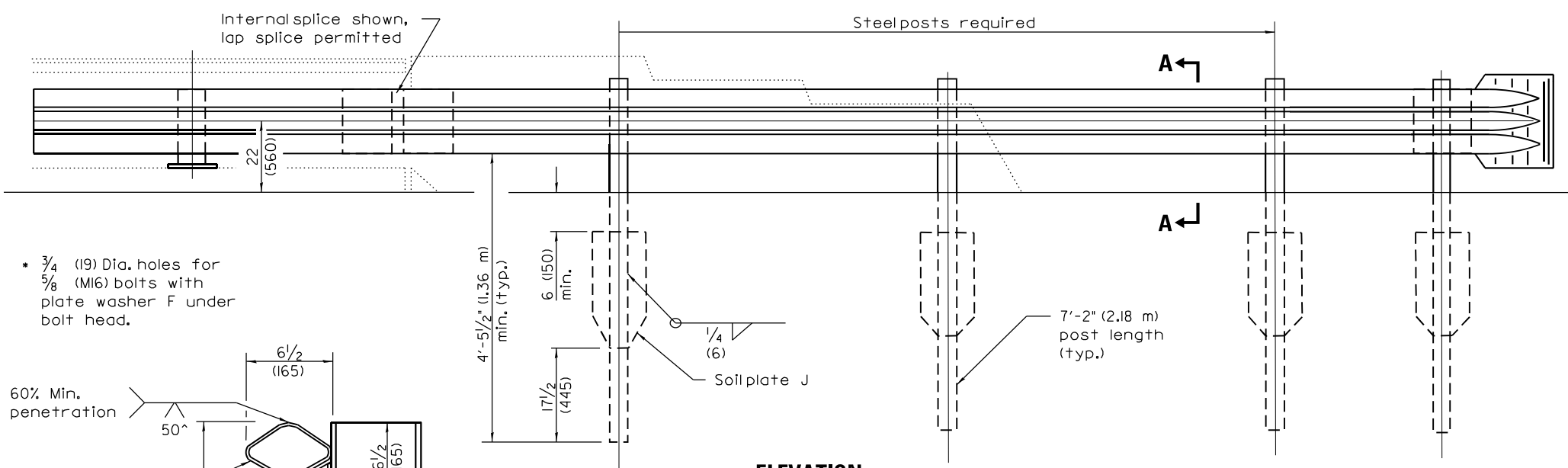
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	15
			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				



PLAN
(Bridge with expansion joint shown)

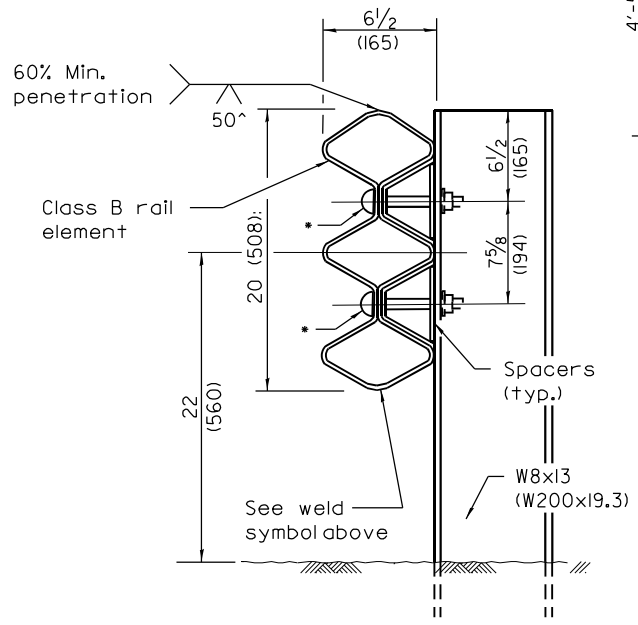


DETAIL A

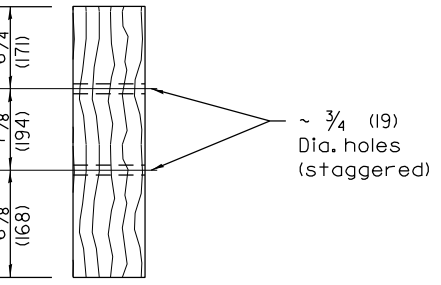
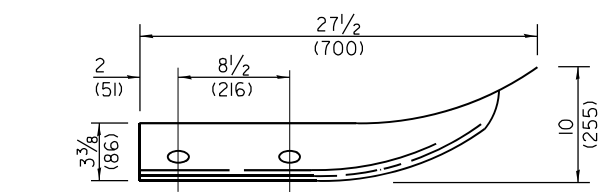


ELEVATION

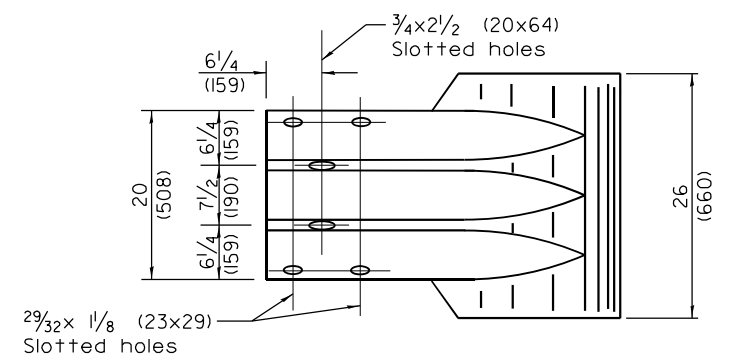
- 3/4 (19) Dia. holes for 5/8 (M16) bolts with plate washer F under bolt head.



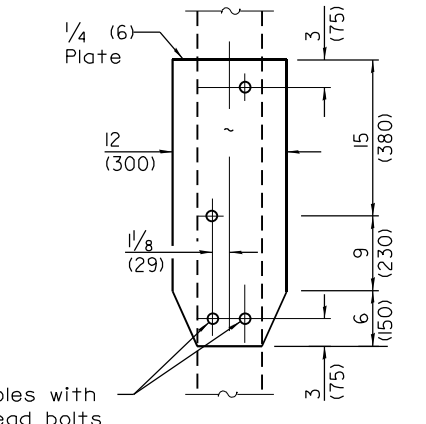
SECTION A-A



DETAIL of BLOCK-OUT
(each)



THRIE BEAM FLARED END SECTION



SOIL PLATE J & ALTERNATE CONNECTION DETAILS

- 4-3/4 (19) Dia. holes with 5/8 (M16) hex head bolts with std. hex nut (typ.)

FOR INFORMATION ONLY

GENERAL NOTES

See Standard 50900I and 63000I for details of guardrailelements not shown.

The Type I2 terminal shall be installed after the posts for the bridge retrofit rail have been located as shown on Standard 50900I.

All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

MODEL: Default
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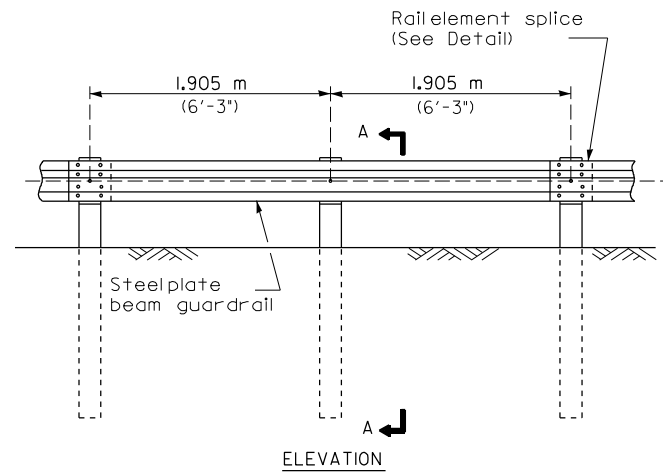
USER NAME = Timothy,Pletsch	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISOR - _____	
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISOR - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISOR - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC BARRIER TERMINAL TYPE 12

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

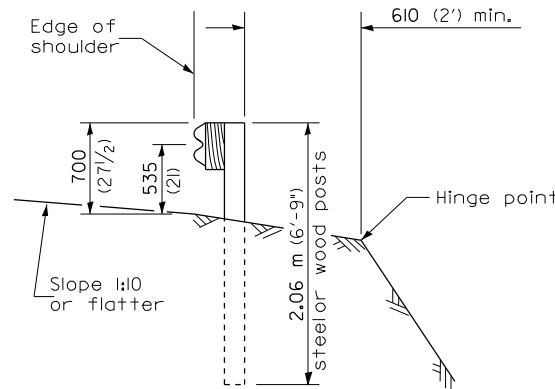
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	16
CONTRACT NO. 66N24				
ILLINOIS FED. AID PROJECT				



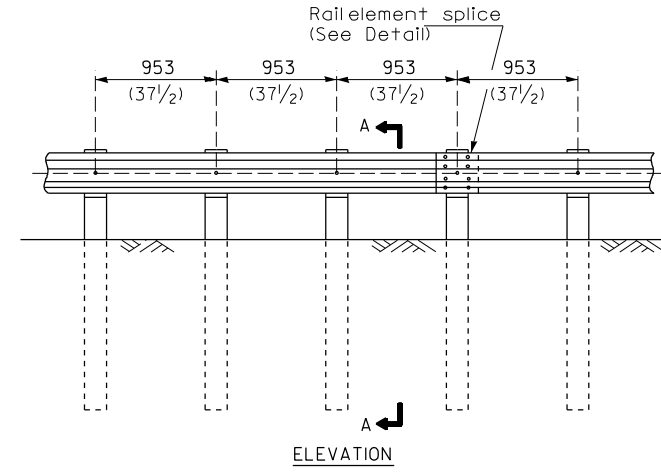
ELEVATION

TYPE A

1.905 m (6'-3") Typical post spacing



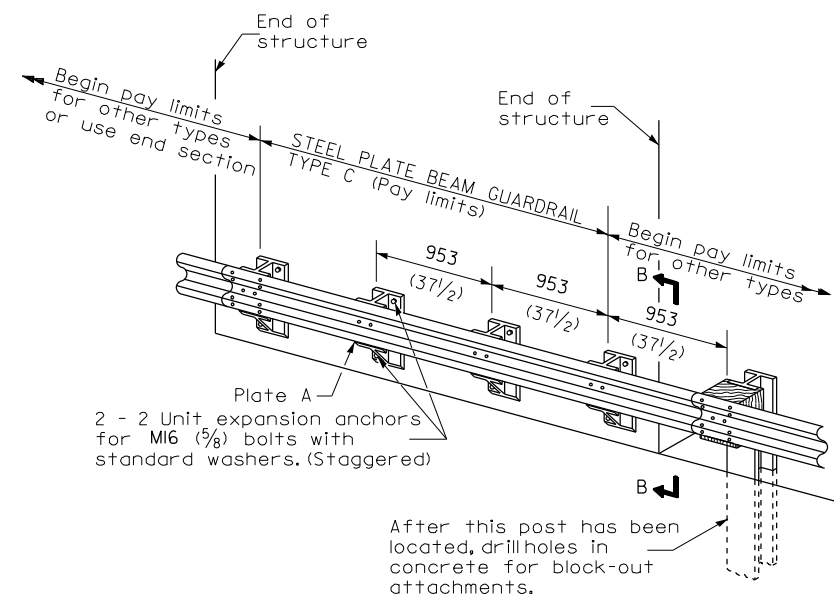
SECTION A-A



ELEVATION

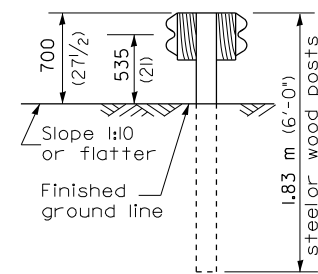
TYPE B

953 (37 1/2) Closed post spacing

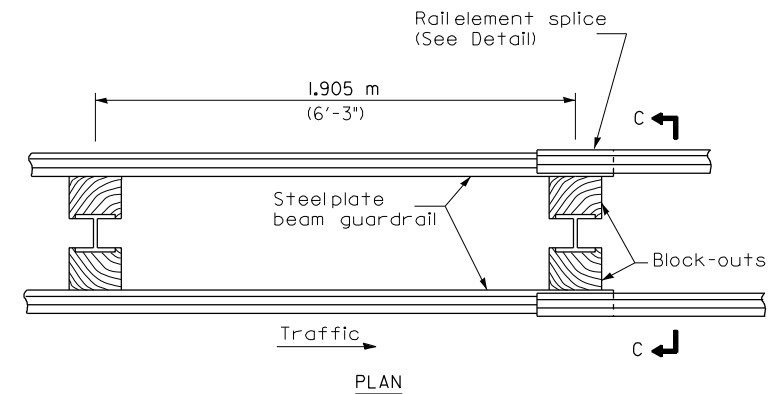


TYPE C

953 (37 1/2) Block-out spacing



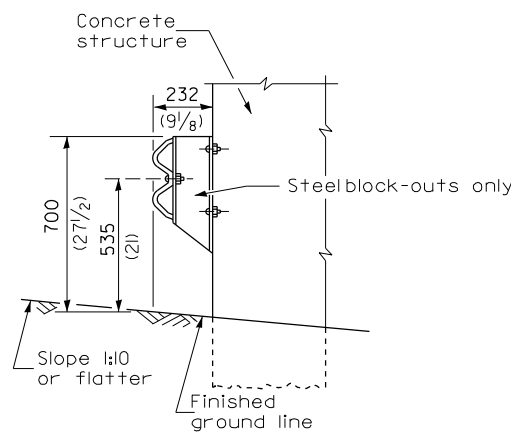
SECTION C-C



PLAN

TYPE D

Double steel plate beam guardrail
1.905 m (6'-3") typical post spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in millimeters (inches) unless otherwise shown.

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\illicit-pw-beamrail\DOT 0 cas\District 3\ORRD projects\0366128\CADD\0366128-01-01-detailed.dgn

USER NAME = Timothy, Pletsch	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100,000 * 1/ in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/23/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

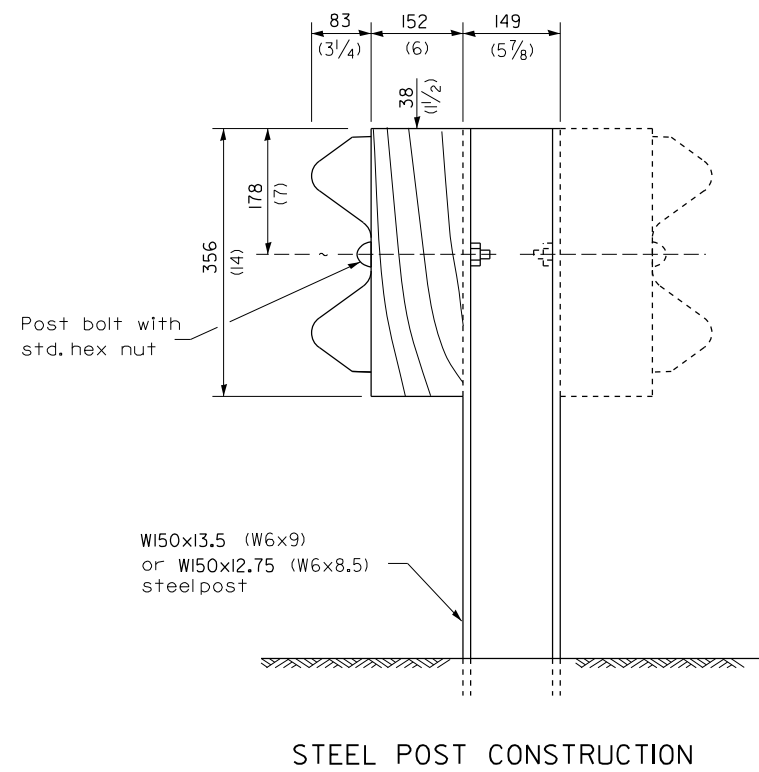
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

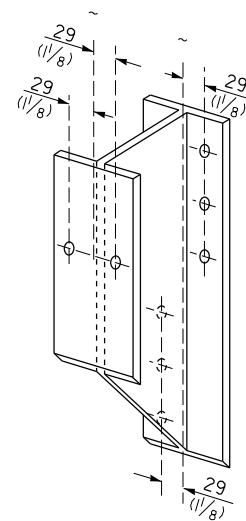
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY24

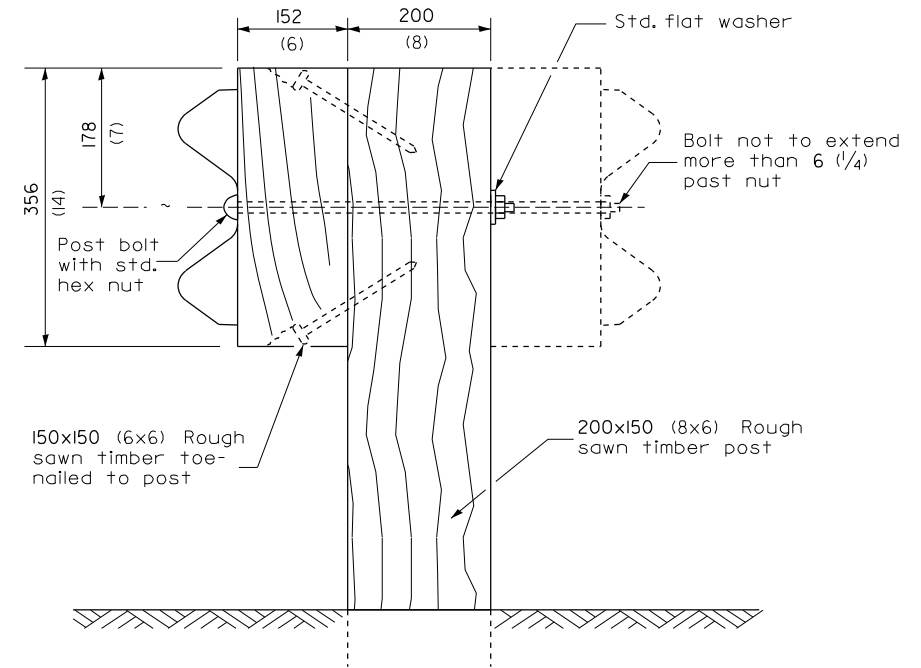
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			CONTRACT NO. 66N28	
ILLINOIS FED. AID PROJECT				



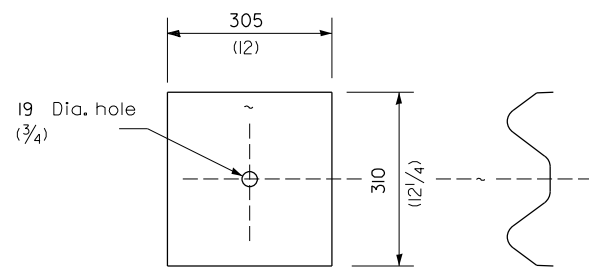
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



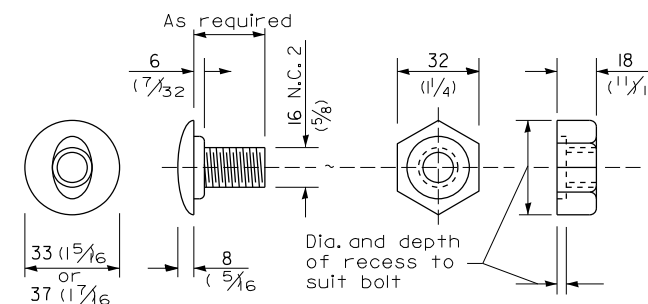
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\project-new\beam\ay.com\p\INDOT\Documents\DOT 0_csr\District_3\ORD Project\0366138\CADD\0366138-01-01-01.dwg

USER NAME = Timothy.Pletsch	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

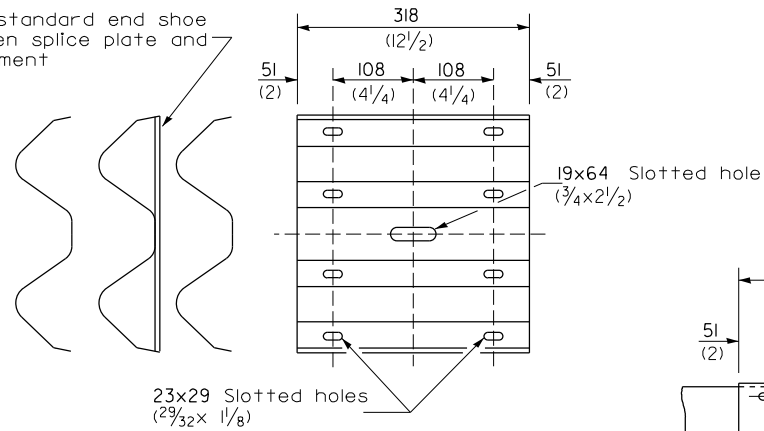
**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

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

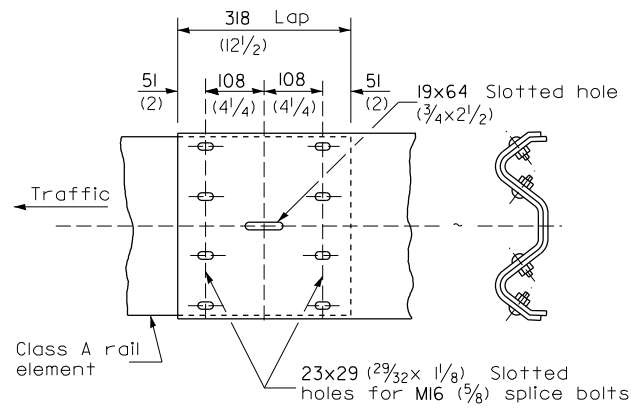
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	18
			CONTRACT NO. 66N28	
			ILLINOIS FED. AID PROJECT	

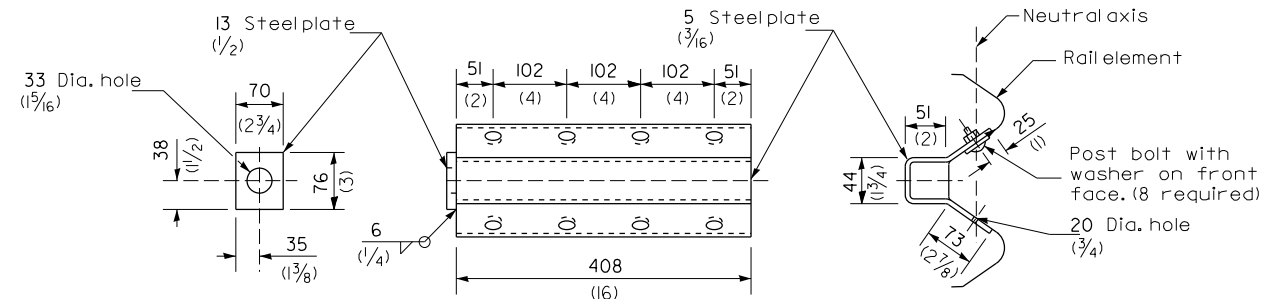
Place standard end shoe between splice plate and rail element



SPLICE PLATE



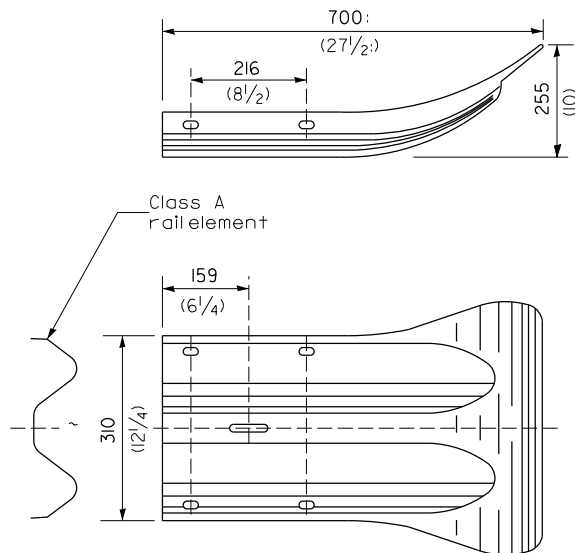
RAIL ELEMENT SPLICE



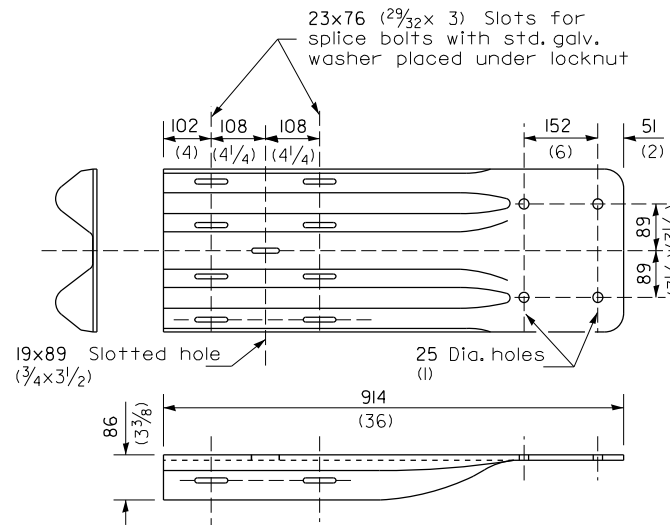
NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION



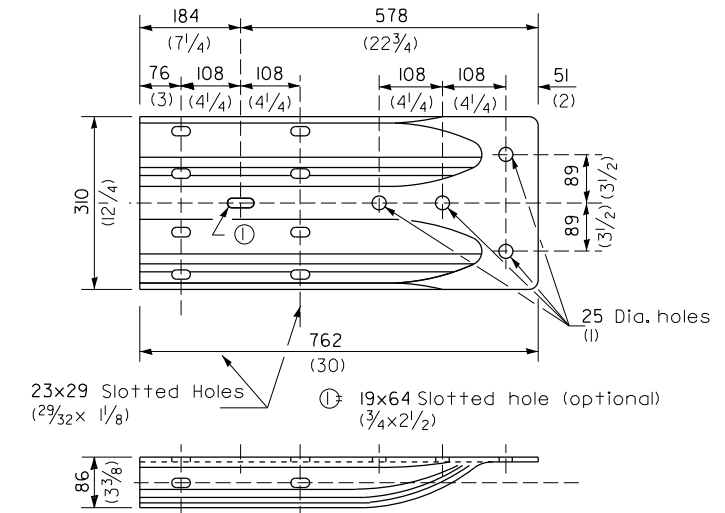
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\project-aw-bead\paw.com\p\INDOT\Documents\DOT 0 cas\District 3\ORD Projects\0366138\CADD\0366138-ent-details.dgn

USER NAME = Timothy, Pletsch	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISOR - _____	REVISOR - _____
PLOT SCALE = 100,000 * / in.	CHECKED - _____	REVISOR - _____
PLOT DATE = 3/23/2023	DATE - _____	REVISOR - _____

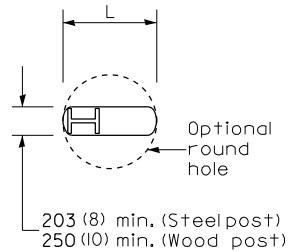
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06

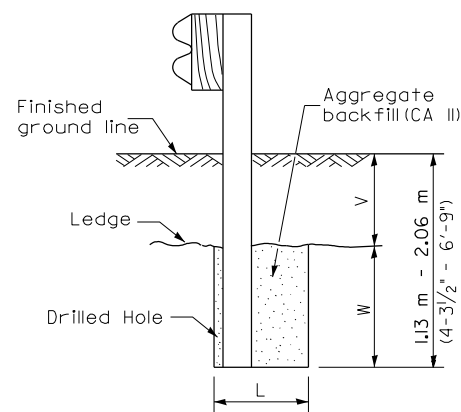
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	19
			CONTRACT NO. 66N28	
			ILLINOIS FED. AID PROJECT	



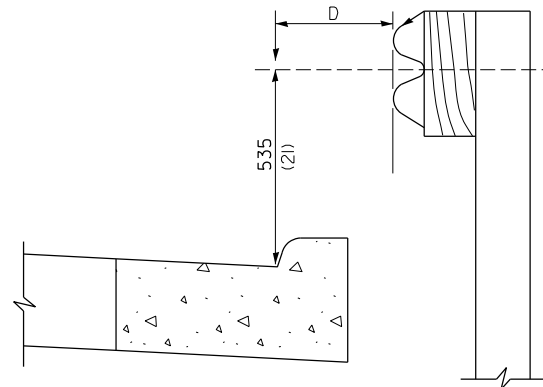
PLAN



Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



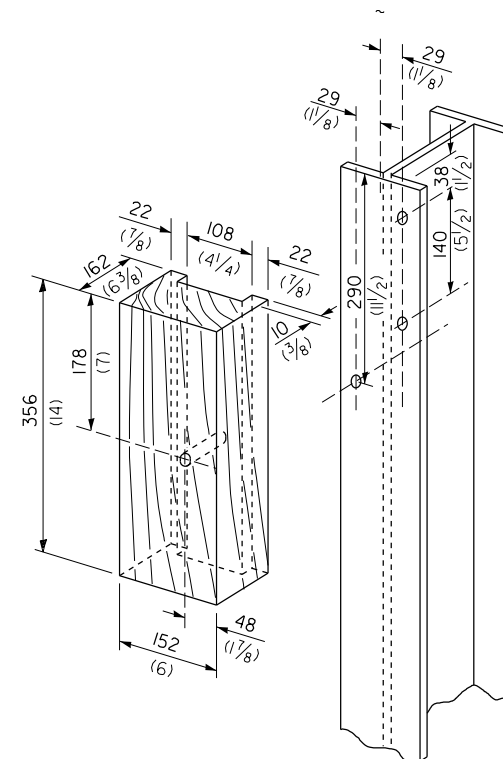
Note:

If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

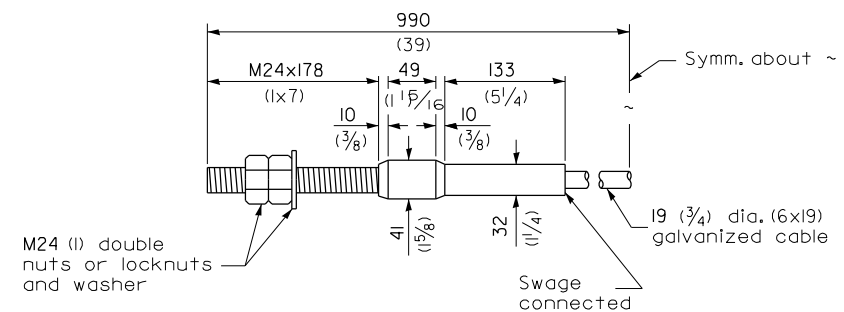
GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 300 (12) maximum)

V	W	L	
		Steel Post	Wood Post
0 - 460 (0 - 18)	610 (24)	530 (21)	580 (23)
>460 - 825 (>18 - 41.5)	305 (12)	203 (8)	250 (10)
>825 - 1.13 m (>41.5 - 53.5)	305 - 0 (12 - 0)	203 (8)	250 (10)



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(18,100 (80,000 lbs.) min. breaking strength)
Tighten to taut tension.

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: p:\illicit-raw-beat-fy.com\PIV\DOT\Documents\DOT 0_csr\District_3\ORR\Project\0366138\CAD\Drawings\66N28-sht-details.dwg

USER NAME = Timothy, Pletsch	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100,000 * / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/23/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

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

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	20
			CONTRACT NO. 66N28	
			ILLINOIS FED. AID PROJECT	