

INDEX OF SHEETS

- ## HIGHWAY STANDARDS

Figure 10.1 displays six graphical scales for different drawing ratios. Each scale is a horizontal bar divided into alternating black and white segments, representing a specific ratio of drawing length to actual length.

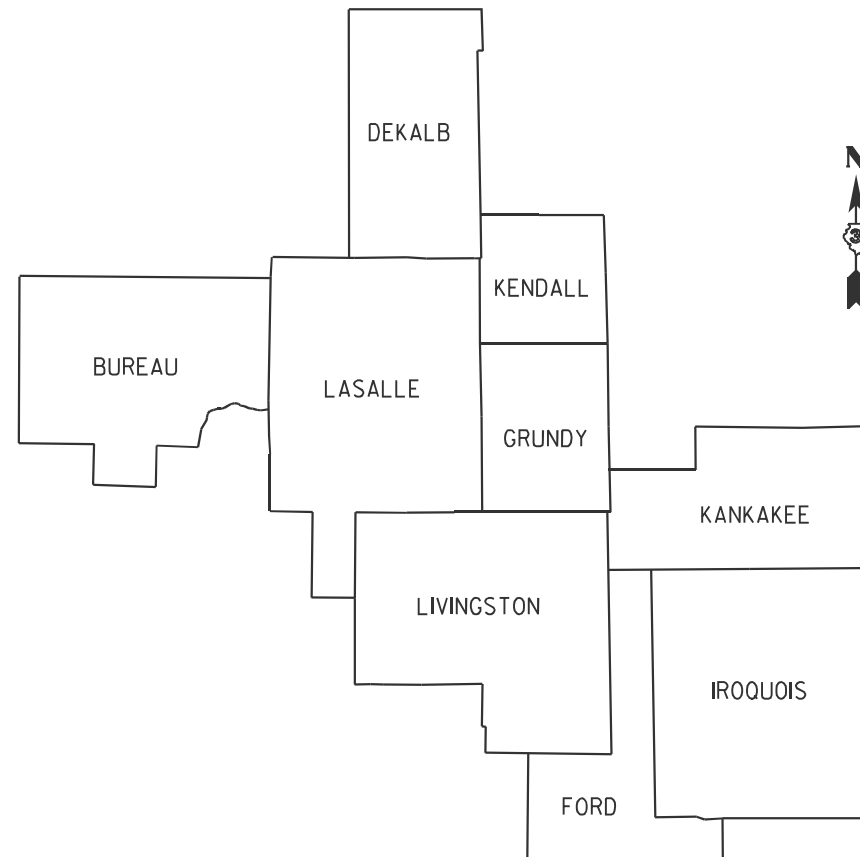
- Scale 1:** Labeled $1'' = 100'$. The bar is divided into segments of 100 feet (10 inches), 200 feet (20 inches), and 300 feet (30 inches).
- Scale 2:** Labeled $1'' = 50'$. The bar is divided into segments of 50 feet (5 inches) and 100 feet (10 inches).
- Scale 3:** Labeled $1'' = 40'$. The bar is divided into segments of 50 feet (5 inches) and 100 feet (10 inches).
- Scale 4:** Labeled $1'' = 30'$. The bar is divided into segments of 50 feet (5 inches) and 100 feet (10 inches).
- Scale 5:** Labeled $1'' = 20'$. The bar is divided into segments of 50 feet (5 inches) and 100 feet (10 inches).
- Scale 6:** Labeled $1'' = 10'$. The bar is divided into segments of 50 feet (5 inches) and 100 feet (10 inches).

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**VARIOUS ROUTES
D3 HWY DAMAGE REPAIR FY 26
PROJECT
VARIOUS COUNTIES**

REPAIRING MOTORIST CAUSED DAMAGE TO HIGHWAY FACILITIES

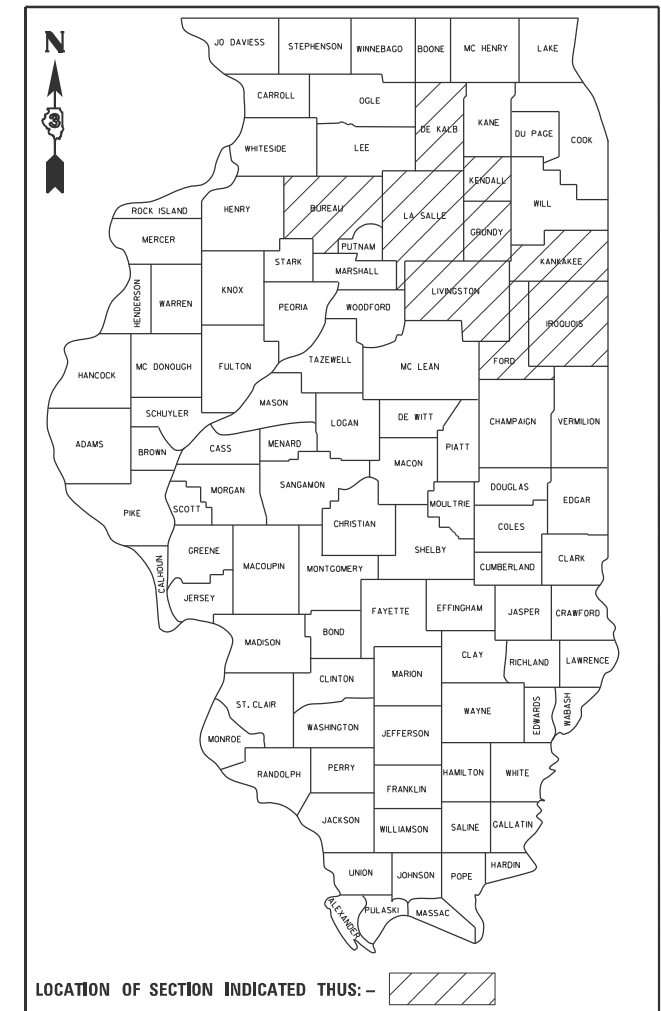


DISTRICT 3

LOCATION MAP
NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	1
		ILLINOIS	CONTRACT NO. 66R71	
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26				

D-93-085-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25, 2015
Trisha Thompson REGIONAL ENGINEER

May 9, 2015
Scott Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2015
Y. Wang 5
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
630001-13	STEEL PLATE BEAM GUARDRAIL
630006-01	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL
630101-11	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
643001-03	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
701400-12	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
701901-10	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.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY.

THE REMOVAL OF DAMAGED GUARDRAIL, DAMAGED HIGH-TENSION CABLE, 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 FY 26

FILE NAME = pw://idot-pw.bentley.com:PW/IDOT/Documents/IDOT Office/District 3/ORD Projects/D366R71/CADDData/66R71-ehf-cover.dgn	USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	*	VARIOUS	20	2
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -						CONTRACT NO. 66R71				
	PLOT DATE = 3/25/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				MCHD 100% MCHD	CONT MAIN 100% STATE	HTC BARRIER 100% STATE
				ROADWAY 0021	ROADWAY 0021	ROADWAY 0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3	1		2
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1			1
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	1	1	4
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	25	2	5	18
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	13	2	1	10
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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				MCHD	CONT MAIN	HTC BARRIER
				100% MCHD	100% STATE	100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0
66400105	CHAIN LINK FENCE, 4'	FOOT	250	50	100	100
66400305	CHAIN LINK FENCE, 6'	FOOT	42	2	15	25
66500105	WOVEN WIRE FENCE, 4'	FOOT	2250	250	500	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	30	10	10	10
X0322878	TIMBER CURB	FOOT	7	2		5
X0326126	WOOD TERMINAL POST	EACH	2	1		1
X5030220	CONCRETE STRUCTURE REPAIR	CU FT	4	2		2
X6300215	RAIL ELEMENT PLATES	EACH	400	100	50	250
X6300230	STEEL POSTS	EACH	200	50	50	100
X6310301	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL)	EACH	22	1	1	20
X6310308	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - RAIL ELEMENT PLATE	FOOT	2	1	1	
X6310316	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	1		1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				MCHD	CONT MAIN	HTC BARRIER
				100% MCHD	100% STATE	100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0
X6310330	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	1		1
X6310332	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2	1		1
X6310334	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2	1		1
X6310336	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 8	EACH	2	1		1
X6310338	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 9	EACH	2	1		1
X6310340	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 12	EACH	2	1		1
X6331101	TUBULAR THRIE BEAM	FOOT	22	2		20
X6331105	STEEL POSTS, MODIFIED	EACH	6	2	2	2
X6331110	STEEL POSTS (SPECIAL)	EACH	12	5	2	5
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	2	1		1
X6360111	HIGH TENSION CABLE SYSTEM MAINTENANCE	EACH	575	75	200	300
X6432110	REPLACE IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	100	45	15	40
X6432200	REPAIR IMPACT ATTENUATORS (FULLY REDIRECTIVE)	EACH	1			1
X6440106	REPLACE HIGH TENSION CABLE END SECTION	EACH	8	3		5

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				MCHD	CONT MAIN	HTC BARRIER
				100% MCHD	100% STATE	100% STATE
				ROADWAY	ROADWAY	ROADWAY
				0021	0021	0021
				RURAL 07M0	RURAL 07E0	RURAL 07A0
X6440108	REPAIR HIGH TENSION CABLE	FOOT	1550	50		1500
X6440118	REPAIR HIGH TENSION BARRIER TERMINAL	EACH	25	5	5	15
X6440122	REMOVE AND REPLACE HIGH TENSION CABLE POST	EACH	975	350	25	600
X6440124	REMOVE AND REPLACE HTC POST (HEAVY DUTY)	EACH	1000	175	350	475
X6610200	HOT-MIX ASPHALT CURB REPAIR	FOOT	10	5		5
X6640502	CHAIN LINK FENCE POST	EACH	15	5	5	5
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	27	5	2	20
X7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	4	1	2	1
Z0020210	PULL POST ARRANGEMENT	EACH	15	5	5	5

HIGH TENSION CABLE BARRIER REPAIR SYSTEM SCHEDULE					
LOCATION	COUNTY	SYSTEM	SYSTEM TYPE	CONTACT INFORMATION	
I-39, MP 63.9-69.9	LASALLE	GIBALTAR	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	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, MP 216-227	GRUNDY & LIVINGSTON	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, MP 207-210.5	GRUNDY	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-55, JUST INSIDE WILL CO		GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 322-324	KANKAKEE	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 312-314.8	KANKAKEE	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 310.1-312	KANKAKEE	GIBALTAR	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	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-57, MP 293-302.5	IROQUOIS/KANKAKEE	GIBALTAR	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	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 64-70.1	BUREAU	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 41.5-48.1	BUREAU	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	
I-80, MP 34.9-41.5	BUREAU	GIBALTAR	DRIVEN	BEN DVORAK (815)288-2343	

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.



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): _____

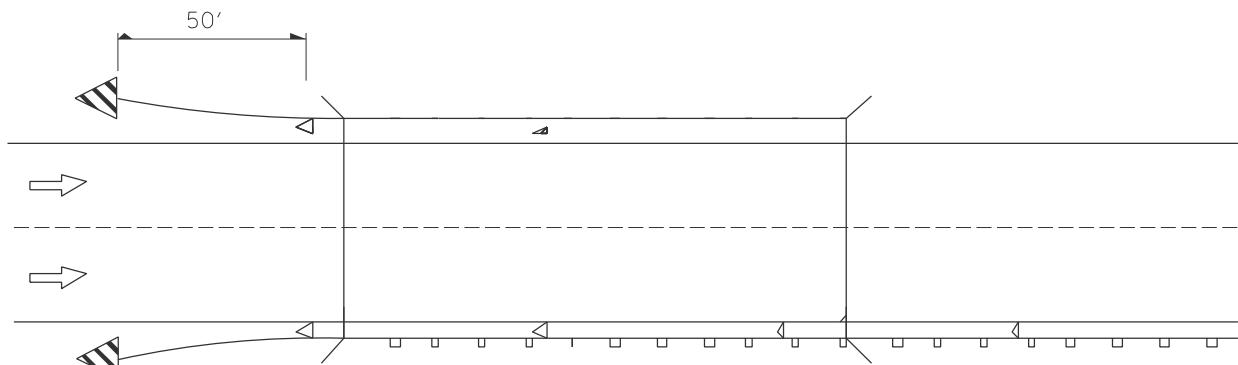
* - DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

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	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
Default	PLOT DATE = 3/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

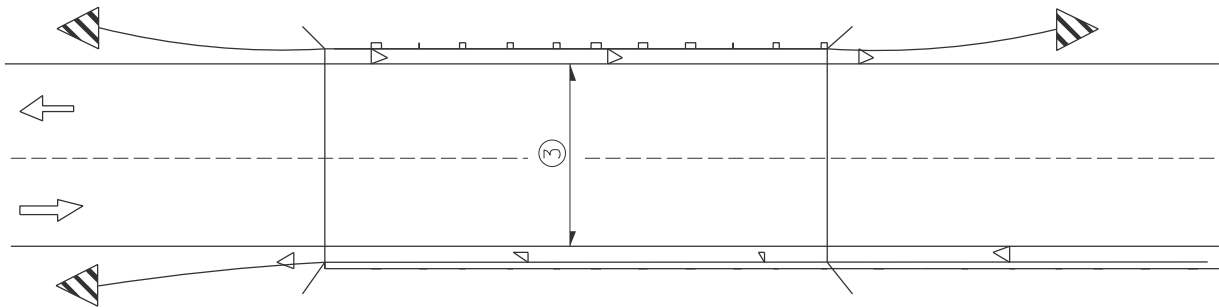
HTC CABLE TENSION CABLE SHEET			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	8
CONTRACT NO. 66R71				
		ILLINOIS	FED. AID PROJECT	



Reflectors are not to be placed on TerminalEnd Sections.
(min. 3 reflectors regardless of length).
After 400 ft transition,match existing delineator spacing.

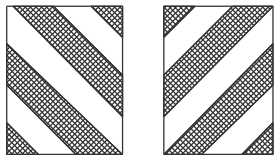
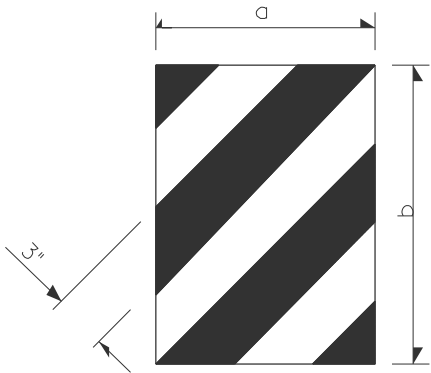
ONE-WAY TRAFFIC



③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the pavement is less than 24" wider than the pavement approaching the bridge.

- Monodirectional silver
- Monodirectional amber
- Terminal Marker - Black/Yellow Left or Right as appropriate

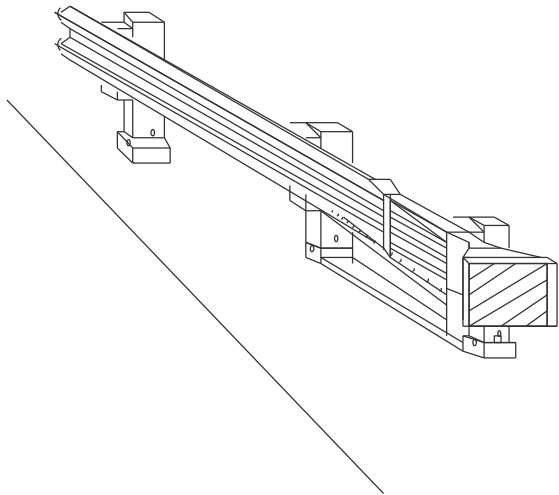
TWO-WAY TRAFFIC



LEFT RIGHT

DIMENSION	CASE I	CASE II
a	*	450 (18)
b	*	406 (16)

* The width and height (a,b) of the terminal marker shall be within approximately 25 mm (1inch) of the outer edge of the terminal end, with a minimum reflective area of 0.18 m² (288 sq. in.)



TERMINAL MARKER DETAILS
Color: Black / Yellow reflectorized

REFLECTOR AND
TERMINAL MARKER PLACEMENT

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26				
SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
*		VARIOUS	20	9
		CONTRACT NO. 66R71		
ILLINOIS	FED. AID PROJECT			

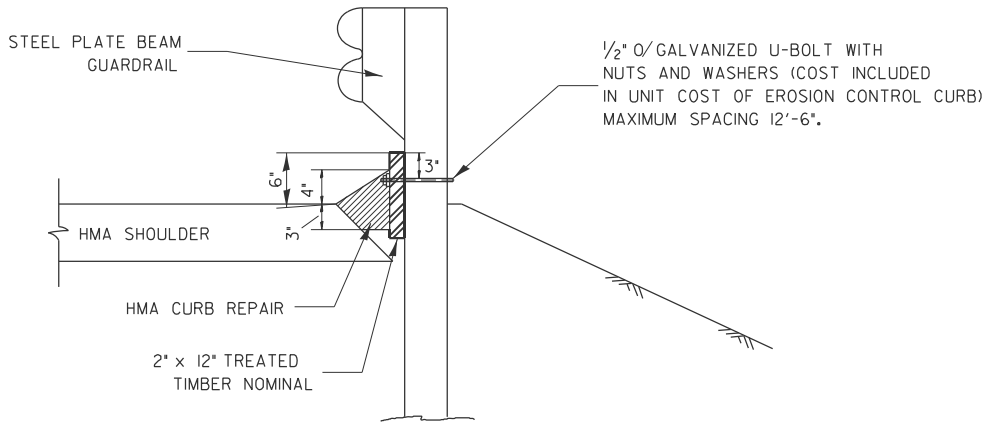
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	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
Default	PLOT DATE = 3/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

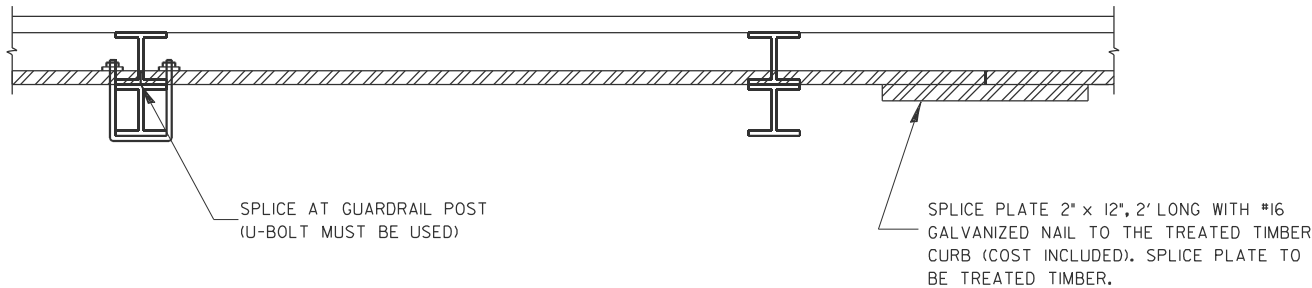
TERMINAL MARKER PLACEMENT

SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
FILE: \\natick-arv\libet-aw-bentley.com\PIV\DOT\Documents\DOT 0 ces\District 3\ORRD Projects\0366R71\CADD\Drawings\66R71-shit-details.dgn



SIDE VIEW



TOP VIEW

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

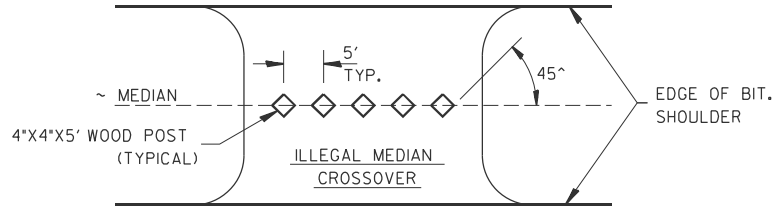
THE TREATED TIMBER SHALL BE TREATED IN ACCORDANCE TO ARTICLE 1007.12 AND ALL PRESERVATIVES SPECIFIED IN THE ARTICLE WILL BE ALLOWED.

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.

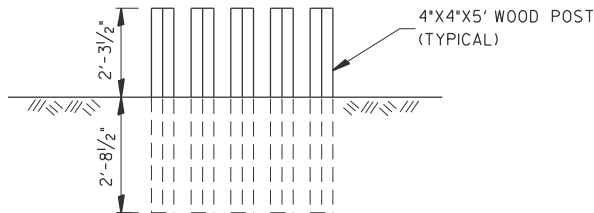
HMA CURB REPAIR SHALL BE MEASURED AND PAID FOR AT CONTRACT UNIT PRICE PER TON.

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

TIMBER CURB & HMA CURB REPAIR



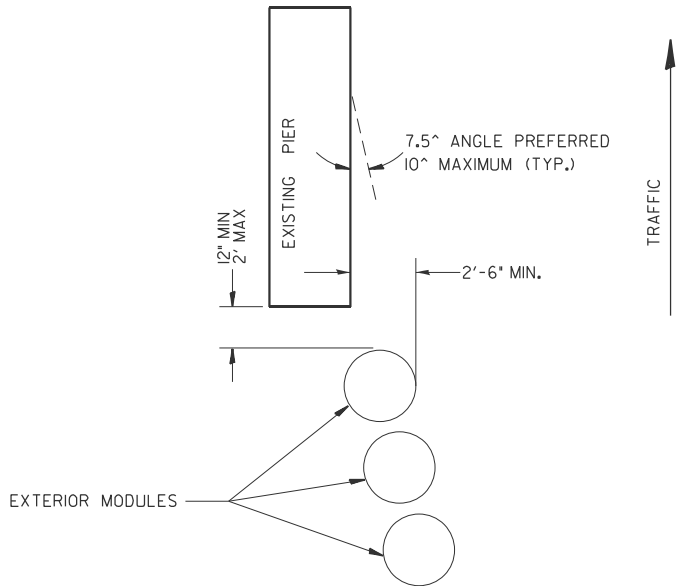
PLAN



ELEVATION

WOOD POST DETAIL

IMPACT ATTENUATOR LAYOUT PLAN



TYPICAL EXTERIOR MODULE LAYOUT

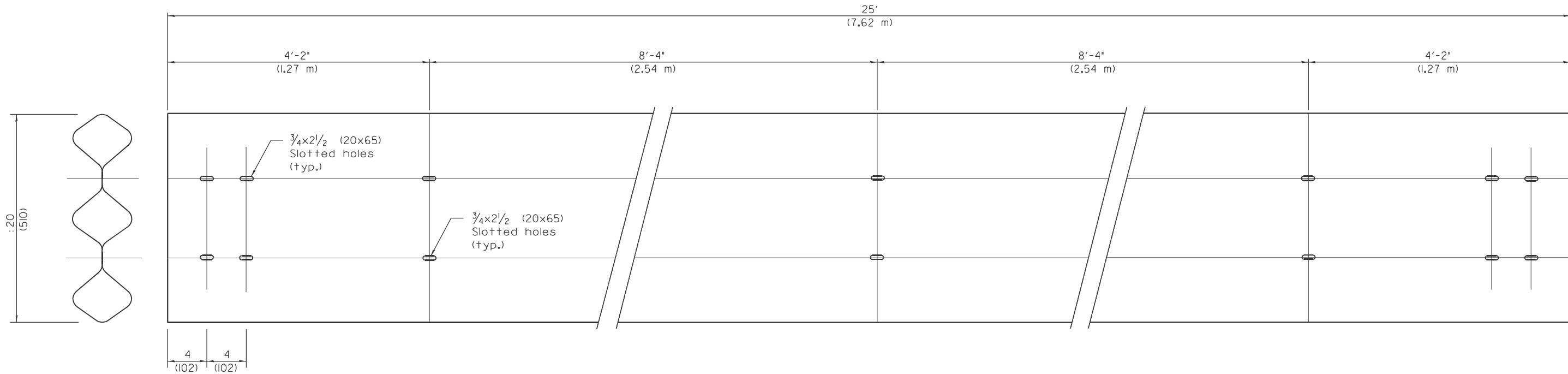
NOTES:

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.

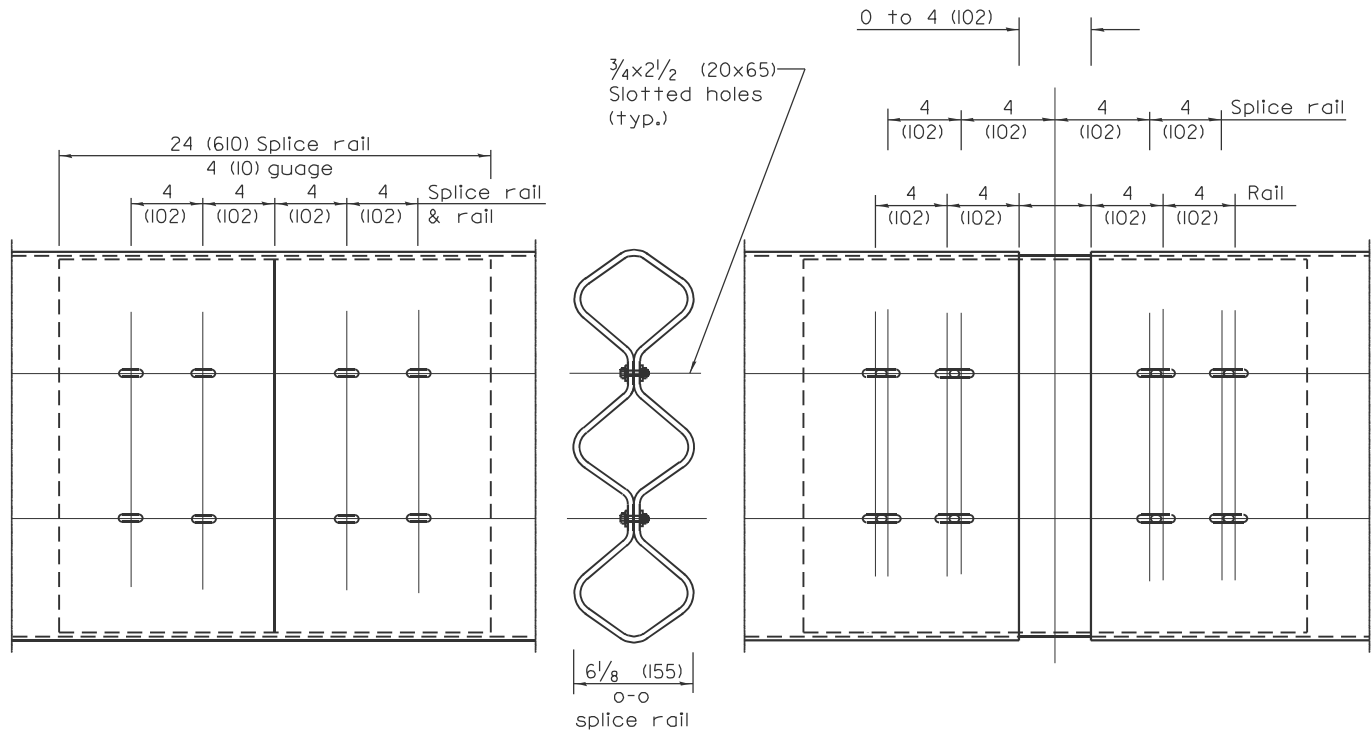
* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

	USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIMBER CURB & BITUMINOUS CURB REPAIR & GUARD POST DETAIL & IMPACT ATTENUATOR PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	*	VARIOUS	20	10
	PLOT SCALE = \$SCALES	CHECKED -	REVISED -						CONTRACT NO. 66R71				
	PLOT DATE = 3/23/2025	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
	SCALE:		SHEET OF SHEETS							STA. TO STA.			

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PLOT SCALE: 1/8" = 1'-0"

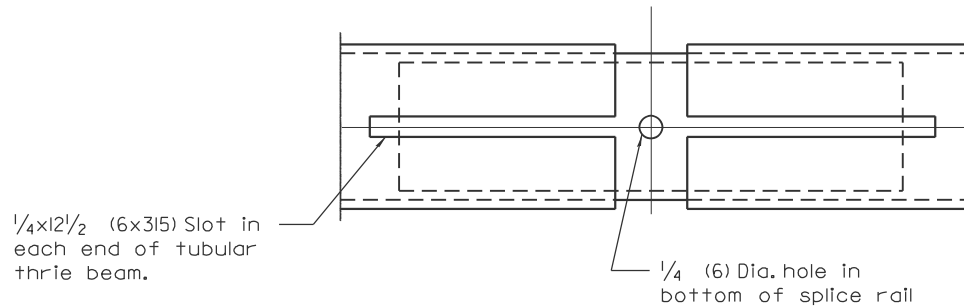


TUBULAR THRIE BEAM FOR INTERNAL SPLICE JOINT



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 internal expansion splice joint.

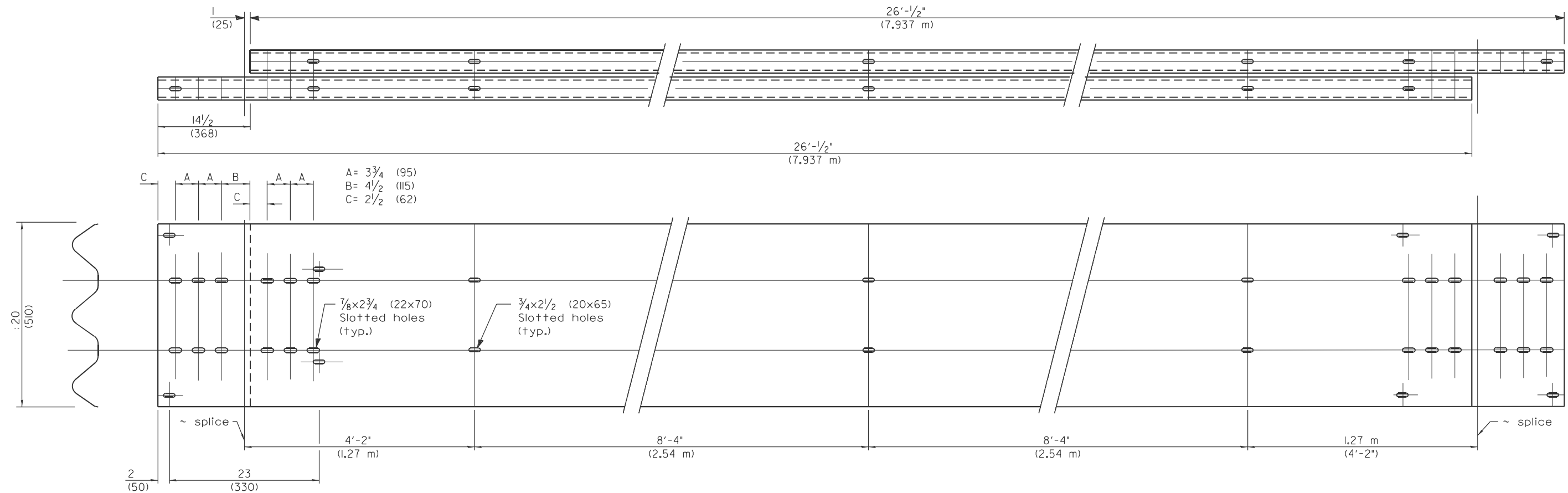
Plate Washers C are to be placed under both heads and nuts of splicing bolts for lap expansion and internal lap splice joint.

See Standard 630001 for details of guardrail not shown.

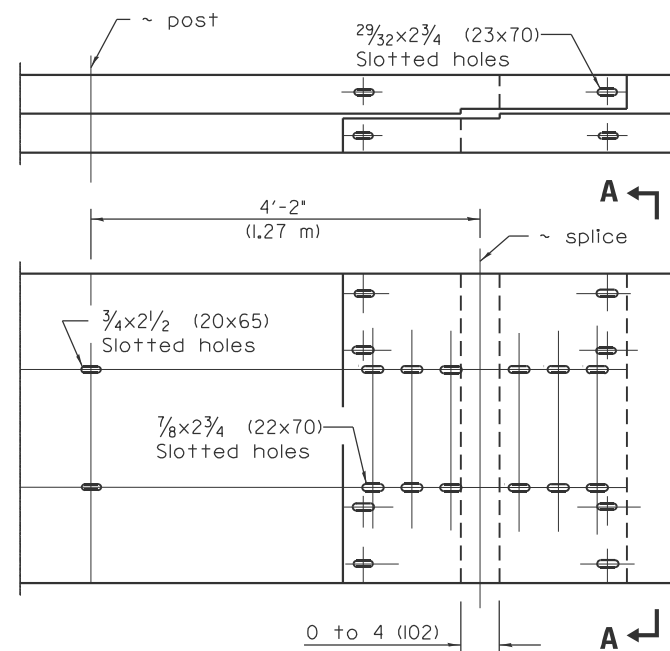
All dimensions are in inches (millimeters) unless otherwise shown.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

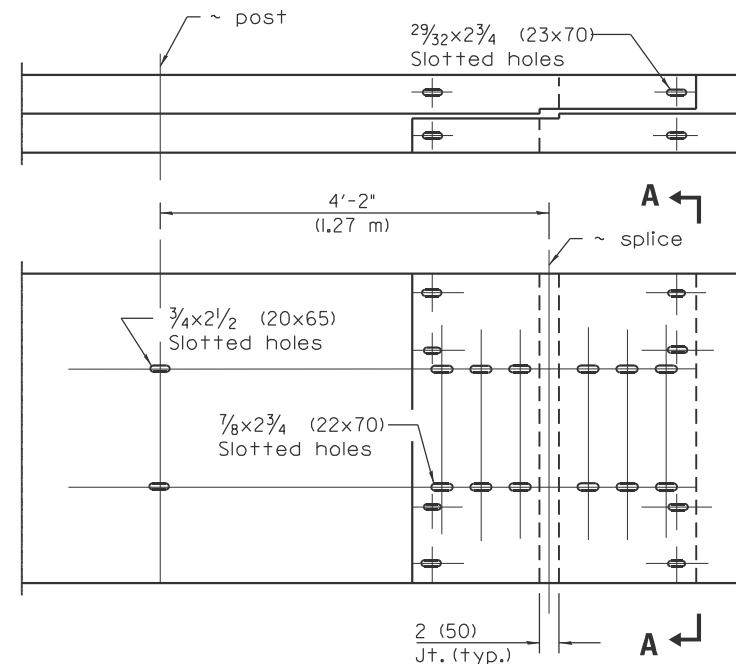
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			VAR.	*	VARIOUS	20	11
			CONTRACT NO. 66R71				
			ILLINOIS FED. AID PROJECT				
USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -	SCALE:				
DRAWN -	REVISD -	REVISED -	SHEET OF SHEETS				
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	STA. TO STA.				
PLOT DATE = 3/25/2025	DATE -	REVISED -					



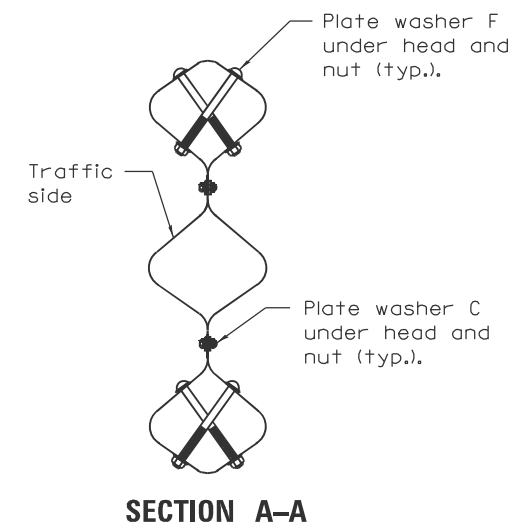
TUBULAR THRIE BEAM FOR LAP SPLICE JOINT



LAP EXPANSION SPLICE JOINT



LAP SPLICE JOINT



MODEL: Default
FILE: \\net-aw.bentley.com\\P\\V\\DOT\\Documents\\DOT 0 ces\\District 3\\ORD Projects\\66R71\\CADD\\66R71-shr-details.dgn

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISOR -
PLOT DATE = 3/23/2025	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TUBULAR THRIE BEAM
RETROFIT RAIL FOR BRIDGES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	12
CONTRACT NO. 66R71				
ILLINOIS FED. AID PROJECT				



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	13
		CONTRACT NO. 66R71		
ILLINOIS		FED. AID PROJECT		



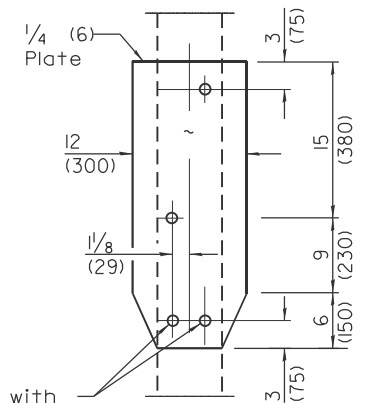
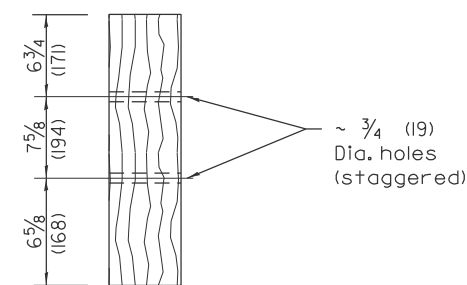
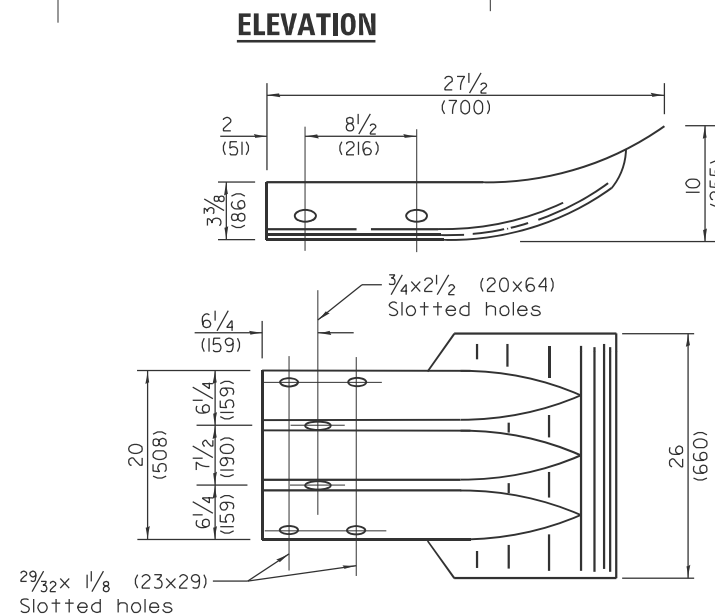
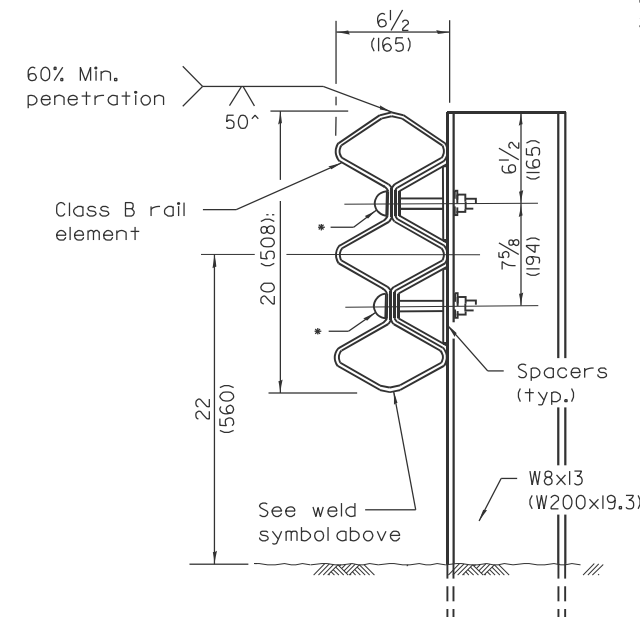
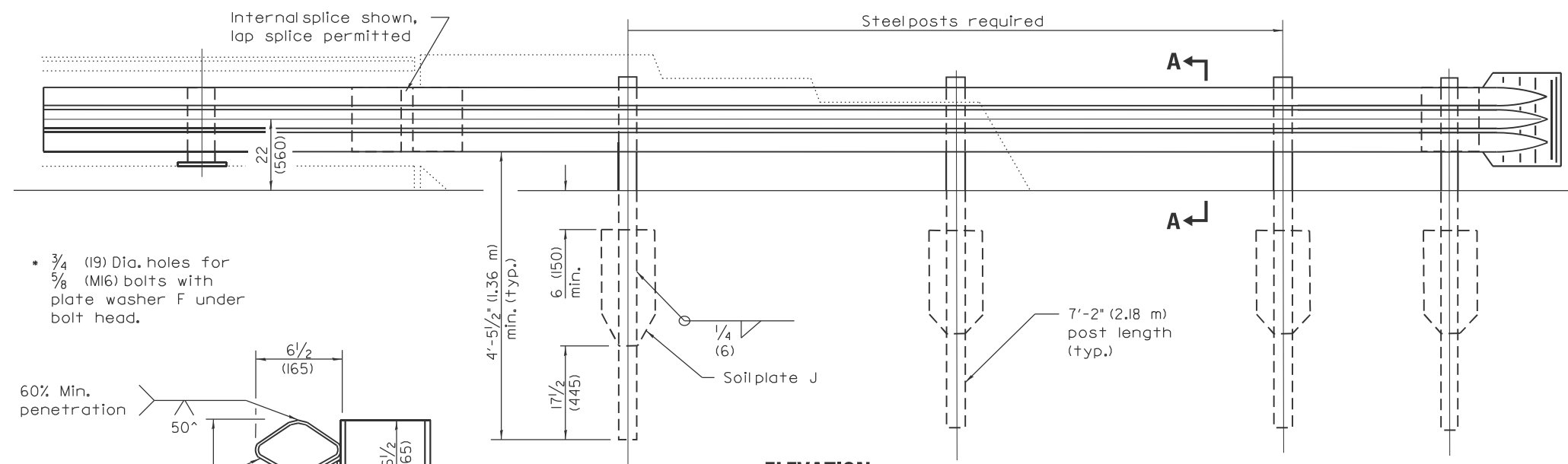
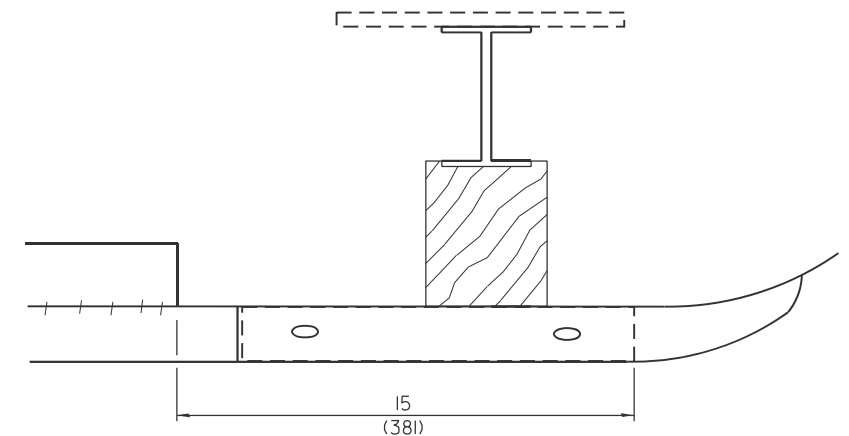
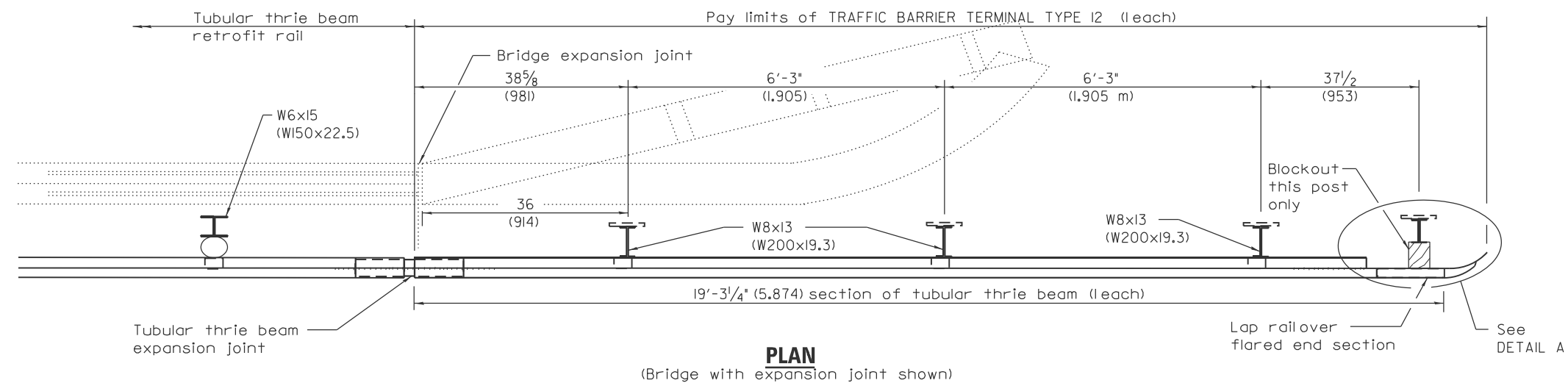
See Standard 63000I for details of guardrail not shown.

- * 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.

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

SCALE:	SHEET	OF	SHEETS	STA.	TO STA
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	※	VARIOUS	20	14
		CONTRACT NO. 66R71		
ILLINOIS		FED. AID PROJECT		



FOR INFORMATION ONLY

GENERAL NOTES

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

The Type 12 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 26

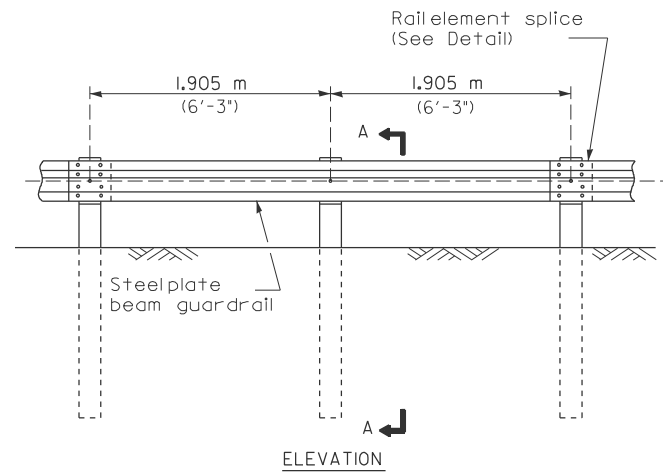
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	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC BARRIER TERMINAL TYPE 12

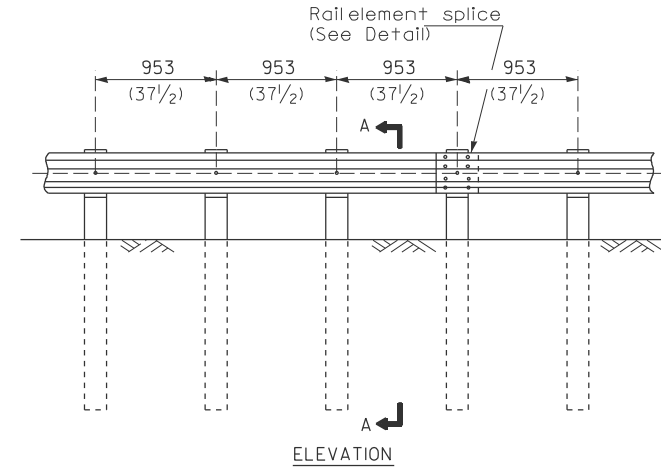
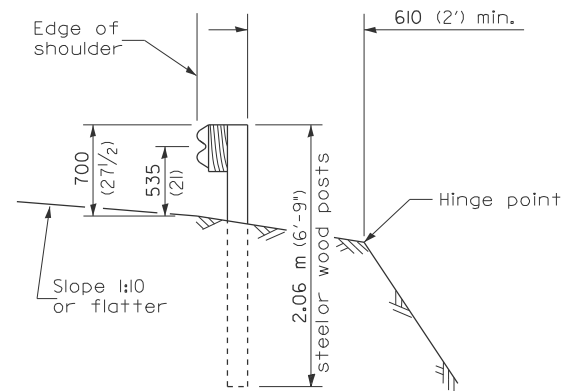
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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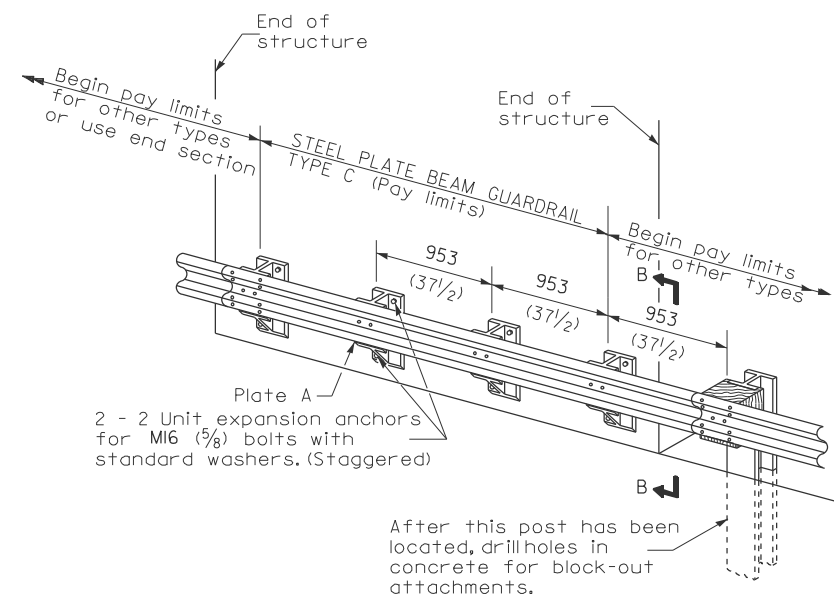
TYPE A

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

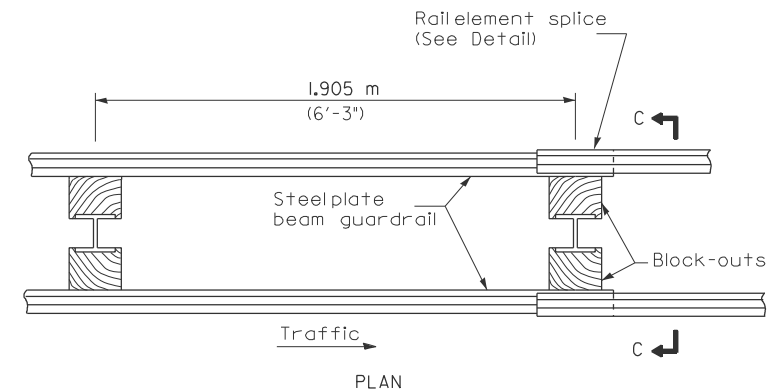


TYPE B

953 (37 1/2") Closed post spacing



SECTION C-C



TYPE D

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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

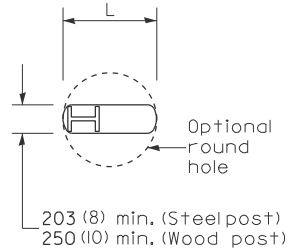
**PRE-MGS EFFECTIVE 4-1-06
STEEL PLATE BEAM GUARDRAIL STANDARD 630001-06**

* DISTRICT 3 HIGHWAY DAMAGE REPAIR FY 26

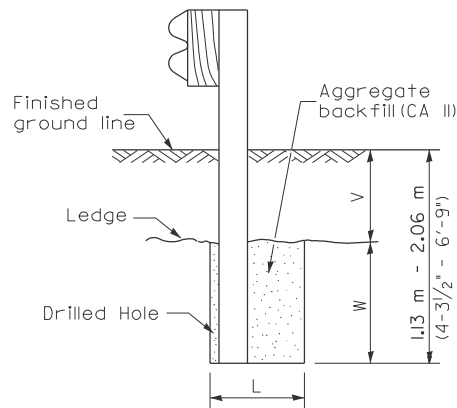
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DRAWN -	REVISD -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/23/2025	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	17
CONTRACT NO. 66R71				
ILLINOIS FED. AID PROJECT				

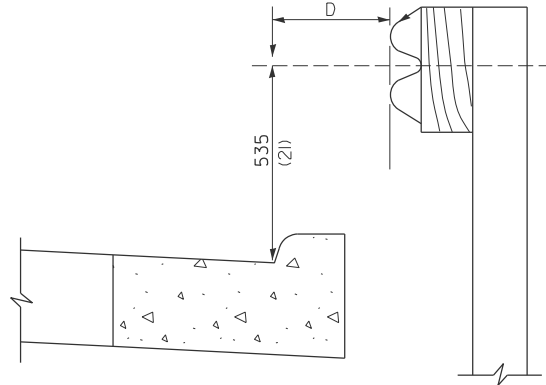


PLAN



ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

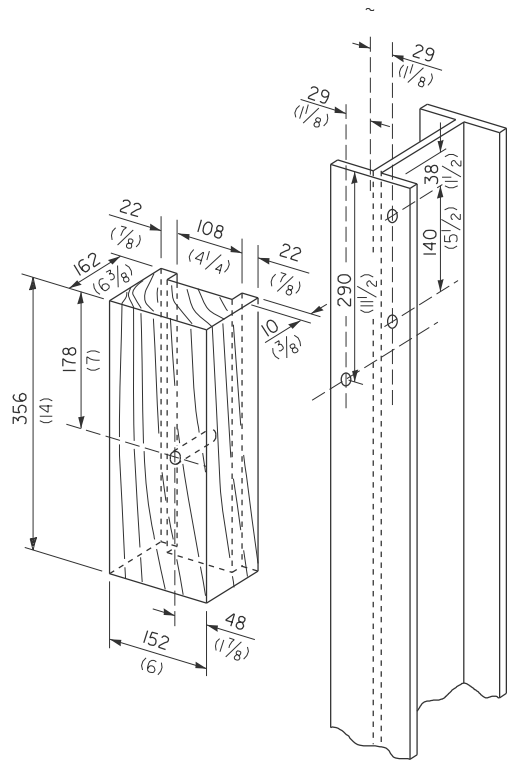


Note:
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

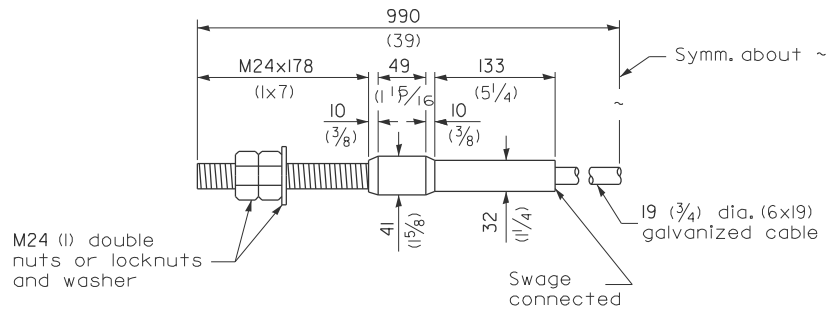
GUARDRAIL PLACED BEHIND CURB

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

V	W	L	
		SteelPost	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 (40,000 lbs.) min. breaking strength)
Tighten to taut tension.

FOR INFORMATION ONLY

MODEL: Default
FILE: N:\mte\proj\illdot\aw\beadlay.com\PIV\DOT\Documents\DOT 0 cas\District 3\ORD Project\66671\CADDraw\66671-shd-details.dgn

USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -
DRAWN -	REVISD -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/23/2025	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 26

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	VARIOUS	20	20
			CONTRACT NO. 66R71	
		ILLINOIS	FED. AID PROJECT	