STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

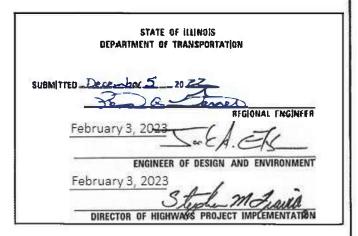
YARE DE CONCREGE PERROES MELS HOME | VARIOUS | 27 1 1

COUNTY SMEETZ MA

<u> </u>	30-11	(U-22		
up Storyman	iliar-dated	STREET, SOUR	a toll addition	und
1.00	Pota	9%1	1, 1	_
		10 P	ALD 1946 0	
15-			Mappin	겁,
mics access +6441	me ton	U 1000	in this is	
),	Make	ONT.		appropriet to
all all all a see	7,000	Avanan->	ides() fan	MOQUOS.
	tarrage	Y.,	4500	

LOCATION OF SECTION INDICATED THUS: -**DESCRIPTION:**

GUARDRAIL REPAIRS CAUSED BY MOTORISTS AND CABLE GAURDRAIL REPAIRS AT VARIOUS LOCATIONS IN DISTRICT 4



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

VARIOUS ROUTES D4 GUARDRAIL REPAIRS 2023-MCHD PROJECT COVD-UVQI(328) **VARIOUS COUNTIES** C-94-035-22

PROPOSED HIGHWAY PLANS

HIGHWAY STANDARDS:

INDEX OF SHEETS:

2 3-6

13-14

18

19

20

COVER SHEET

SUMMARY OF QUANTITIES SAMPLE WORK FORM **EXISTING V.A.T. SYSTEM** PROPOSED C.A.T. SYSTEM

EXISTING TYPE 4 TERMINAL

STANDARD 630011-D4

JOB SPECIFIC NOTES & COMMITMENTS

EXISTING GIBRALTAR CABLE BARRIER DETAIL

EXISTING TRAFFIC BARRIER TERMINAL TYPE 8

EXISTING TRAFFIC BARRIER TERMINAL TYPE 9

24-27 STEEL PLATE BEAM GUARDRAIL TYPE A. 6.75 FOOT POSTS

EXISTING TRAFFIC BARRIER, TERMINAL TYPE 3 & TYPE 3A

EXISTING CABLE MEDIAN BARRIER (CABLE ROAD GUARD)

EXISTING TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES

630001-12	631048-04	701201-05	701456-05
630TD1-10	635001-42	701301-04	701601-09
630301-09	664001-42	701400-11	701608-10
631006-08	655001-02	701406-13	791701-10
631011-10	701006-05	701411-09	701901-08
631026-06	701011-04	701428-01	BLR-23-04
631031-18	701101-05		

DISTRICT STANDARDS:

630011-D4

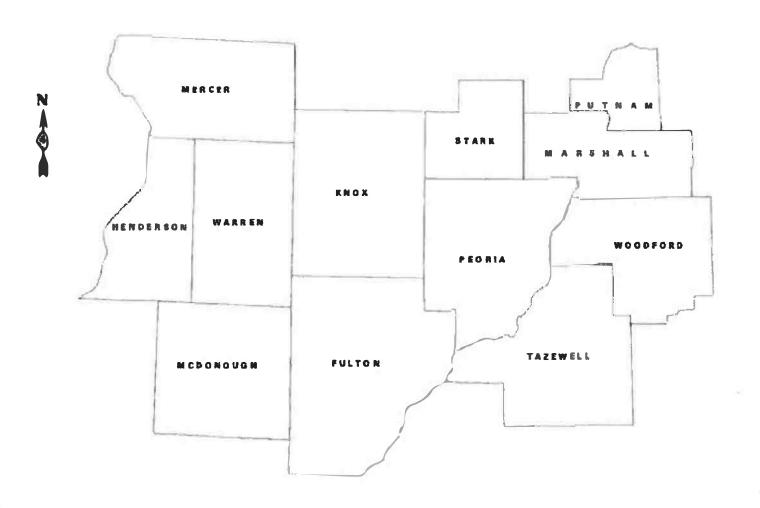


SCALER REDUCED SIZED PLANS WILL NOT CONFORM TO SYANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE UBED.

LIGHT UTBITY LOCATION INFORMATION FOR EXCAVATION 1-200-402-0723 OR EL

PROJECT ENGINEER BEN TELLEFSON (309) 671-3333 PROJECT MANAGER BEN TELLEFSON (309) 671-3333 CATALOG NO. 036309-00D

CONTRACT NO. 68HO1



GROSS LENGTH = NA HET LENGTH = NA

REV. 1/17/23

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL:

ANY TYPE 1, 1A, OR 1B TERMINAL REQUIRING REPLACEMENT UNDER THIS CONTRACT SHALL BE REPLACED BY A TYPE 1 (SPECIAL) TERMINAL AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER FORTY-EIGHT (48) HOURS PRIOR TO PERFORMING WORK.

LISER NAME = \$LISER\$	DESIGNED -	REVISED -	ı
	DRAWN -	REV[SED -	l
PLOT SCALE = 1:100	CHECKED -	REV[SED _	ı
PLOT DATE = 10/21/2022	DATE -	REV[SED _	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOB SPECIFIC NOTES AND COMMITMENTS

 F.A. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS NO..

 VAR
 D4 GUARDRAIL REPAIRS 2023 - MCHD
 VARIOUS
 27
 2

 CONTRACT NO. 68H01

, ILLINOIS, FED. AID PROJECT

					CONSTRUCTION CODE	_
				VARIOUS	VARIOUS	VARIOUS
				COUNTIES	COUNTIES	COUNTIES
			TOTAL	100% STATE	100% STATE	100% FED
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	MCHD	НТМСВ	COVID RELIEF
				0021	0021	0021
63000001	SPBGR TY A 6FT POSTS	FOOT	649	572	0	77
63000003	SPBGR TY A 9FT POSTS	FOOT	56	56	0	0
03000003	SI DON'TTA SITTOSIS	1001	30	30		U
63100045	TRAF BAR TERM T2	EACH	12	9	0	3
63100070	TRAF BAR TERM T5	EACH	8	8	0	0
63100085	TRAF BAR TERM T6	EACH	5	5	0	0
63100101	TRAF BAR TERM T9	EACH	8	8	0	0
		-				
63100105	TRAF BAR TERM T10	EACH	8	8	0	0
63100115	TRAF BAR TERM T12	EACH	8	8	0	0
63100167	TR BAR TRM T1 SPL TAN	EACH	60	56	0	4
63100169	TR BAR TRM T1 SPL FLR	EACH	11	10	0	1
63400105	GUARD POSTS	EACH	27	9	0	18
64300260	IMP ATTEN FRD NAR TL3	EACH	2	1	0	1
64300320	IMP ATTEN FRD RESTL3	EACH	1	0	0	1
64300370	IMP ATTEN FRD WID TL3	EACH	2	1	0	1
64300450	IMPATTEN NRD TL3	EACH	4	4	0	0

REV[SED LISER NAME = \$LISER\$ DESIGNED DRAWN REV[SED REV[SED PLOT SCALE = 1:100 CHECKED -DATE REV[SED _

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES SHEET 1 OF 4 SHEETS! STA.

					CONSTRUCTION CODE	
				VARIOUS	VARIOUS	VARIOUS
				COUNTIES	COUNTIES	COUNTIES
			TOTAL	100% STATE	100% STATE	100% FED
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	MCHD	HTMCB	COVID RELIEF
				0021	0021	0021
64300770	IMPATTENSU NARTL3	EACH	2	1	0	1
66400105	CH LK FENCE 4	FOOT	468	468	0	0
66400305	CH LK FENCE 6	FOOT	473	473	0	0
66500105	WOV W FENCE 4	FOOT	466	466	0	0
72501000	TERMINAL MARKER - DA	EACH	43	43	0	0
78200005	GRDRAIL REF TYPE A	EACH	22	22	0	0
X0301372	REPR/UPGR EX VAT-CAT	EACH	8	8	0	0
X0320013	REPR IMP ATTN FRW TL3	EACH	1	1	0	0
X0320014	REPR IMP ATTN SUN TL3	EACH	1	1	0	0
X0325264	RP IMP ATT FRN TL3	EACH	5	5	0	0
X6440130	REPHTC (GIBRALTAR)	FOOT	450	0	450	0
X6440131	R HT TERM (GIBRALTAR)	EACH	2	0	2	0
X6440134	R&R POSTS (GIBRALTAR)	EACH	34	0	34	0
X6360123	REP CABLE RD GUARD 3S	FOOT	45	0	45	0
X6440136	REP HAIRP (GIBRALTAR)	EACH	46	0	46	0

USER NAME = \$USER\$	DESIGNED -	REV[SED -
	DRAWN -	REV[SED -
PLOT SCALE = 1:100	CHECKED -	REV[SED _
PLOT DATE = 10/21/2022	DATE -	REV[SED _

STATE OF	ILLINOIS
DEPARTMENT OF	TRANSPORTATION

					F.A. RTE.	SECTION		COUNTY	TOTAL	SHEET NO
SI	UMMARY	Y OF QUA	NTITIES		VAR	D4 GUARDRAIL REPAIRS 2023 - MO	HD	VARIOUS	27	4
								CONTRACT	NO. 68H	101
SHEET 1	OF 4	SHEETS! ST	TA.	TO STA.		J ILLINOIS J FE	D. AID	PROJECT		

					CONSTRUCTION CODE	
Ī				VARIOUS	VARIOUS	VARIOUS
				COUNTIES	COUNTIES	COUNTIES
			TOTAL	100% STATE	100% STATE	100% FED
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	MCHD	HTMCB	COVID RELIEF
				0021	0021	0021
X6440135	REP LK PL (GIBRALTAR)	EACH	90	0	90	0
X6300210		EACH				
70300210	GUARDRAIL BLOCKS	LAGIT	212	212	0	0
X6300215	RAIL ELEMENT PLATES	EACH	85	85	0	0
_						
X6300230		EACH	107	40=		
70300230	STEEL POSTS	LAGIT	137	137	0	0
	-					
X6330900	VERT ADJ OF GUARDRAIL	FOOT	424	424	0	0
X6331101		FOOT	242	242		
70331101	TUBULAR THRIE BEAM	1001	212	212	0	0
		-				
X6331110	STEEL POSTS SPECIAL	EACH	8	8	0	0
						1
X6640502	OLIANU NIK EENOE DOOT	EACH	11	44	0	0
700-10002	CHAIN LINK FENCE POST	27.011	11	11	0	0
X7010216	TRAF CONT & PROT SPL	LSUM	1	1	0	0
Z0008760	EMED WORK OALL OUT	EACH	22	22	0	0
	EMER WORK CALL OUT		22	22	U	U
Z0020210	PULL POST ARRANGEMENT	EACH	8	8	0	0
Z0051400	REM & RESET POSTS	EACH	106	106	0	0
	INEIWI & NESE I PUSIS		100	100		0
			<u> </u>			
Z0052410	REPAIR TRBT T1 SP TAN	EACH	26	26	0	0
			_			
Z0052415	REPAIR TRBT T1 SP FLR	EACH	10	10	0	0
	INCLIANT INDITTION		10	10		
700						
Z0052600	REPAIR TR BAR TERM T2	EACH	8	8	0	0

MODEL: Default FILE NAME: pw:\\\ildot-pw.

LISER NAME = \$LISER\$	DESIGNED -	REVISED -			F.A.	SECTION	COUNTY	TOTAL SH	ÆΕΤ
	DRAWN -	REV[SED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	VAR DAGUA	ADDDATI DEDATOS 2023 - MCHD	VARIOUS	SHEETS NO	<u>)</u>
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION		VAR D+GOA	AUTOLE REPAIRS 2025 FIGTIS	CONTRACT	NO. 68H01	\dashv
The state of the s	DATE	REVISED			1				_

CONTRUCTION VARIOUS COUNTIES COUNTIES 100% STATE	VARIOUS COUNTIES 100% FED COVID RELIEF 0021 0 0 0
TOTAL QUANTITY	100% FED COVID RELIEF 0021 0 0 0
ITEM NO. DESCRIPTION	0021 0 0 0
Z0052700 REPAIR TR BAR TERM T3 EACH 4 4 0	0021 0 0
Z0052700 REPAIR TR BAR TERM T3	0 0 0
Z0052900 REPAIR TR BAR TERM T4 EACH 8 8 0	0 0
Z0052900 REPAIR TR BAR TERM T4 EACH 8 8 0 Z0053000 REPAIR TR BAR TERM T5 EACH 9 9 0 Z0053200 REPAIR TR BAR TERM T6 EACH 10 10 0 Z0053400 REPAIR TR BAR TERM T8 EACH 9 9 0 Z0053500 REPAIR TR BAR TERM T9 EACH 9 9 0	0 0
Z0053000 REPAIR TR BAR TERM T5 EACH 9 9 0	0
Z0053000 REPAIR TR BAR TERM T5 EACH 9 9 0	0
Z0053200 REPAIR TR BAR TERM T6 EACH 10 10 0	0
Z0053200 REPAIR TR BAR TERM T6 EACH 10 10 0	0
Z0053400 REPAIR TR BAR TERM T8 EACH 9 9 0	
Z0053400 REPAIR TR BAR TERM T8 EACH 9 9 0	
Z0053400 REPAIR TR BAR TERM T8 EACH 9 9 0	
Z0053500 REPAIR TR BAR TERM T9 9 9 0	0
Z0053500 REPAIR TR BAR TERM T9 EACH 9 9 0	0
INCLITATION IS	
INCEL VIII CHI CONTROLLE C	
	0
	l l

MODEL: Default

| USER NAME = \$USER\$ | DESIGNED - REV[SED - PLOT SCALE = 1:100 | CHECKED - REV[SED - PLOT DATE = 10/21/2022 | DATE - REV[SED - PLOT DATE = 10/21/2022 | DATE - REV[SED - PLOT DATE - PLOT DATE = 10/21/2022 | DATE - REV[SED - PLOT DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

J. SHEET 3 OF 4 SHEETS, STA.

F.A. SECTION COUNTY TOTAL SHEETS NO...

VAR D4 GUARDRAIL REPAIRS 2023 - MOHD VARIOUS 27 6

CONTRACT NO. 68H01

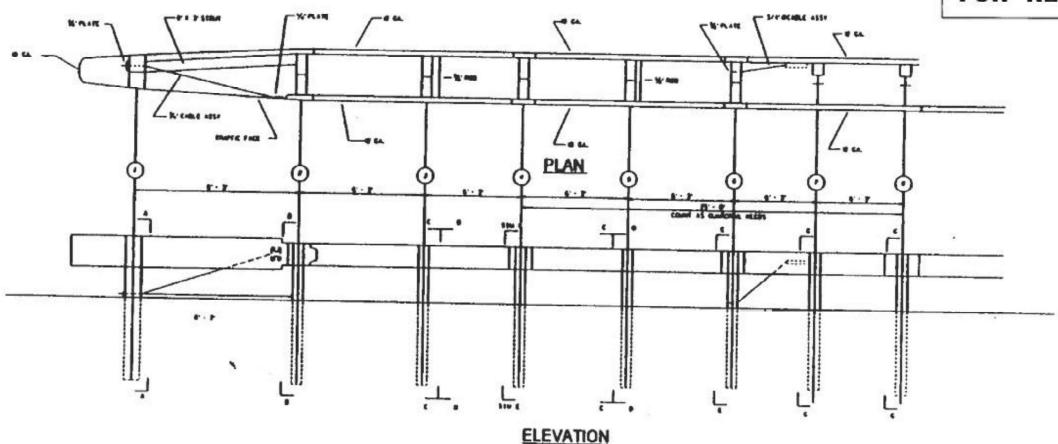
ILLINOIS DEPT OF TRANSPORTATION - DIST 4 - WORK ORDER TO:____ D/A: _____ MOTORIST-CAUSED DAMAGE REPAIR FY JOB NUM: CONTRACT NUM: CLAIM NUM: ROAD: ____LOCATION: COUNTY: CODE NUM ITEM UNIT QTY UNIT PRICE AMOUNT TOTAL CHARGES (This Work Order)\$ SPECIAL INSTRUCTIONS: WORK ORDER ISSUED: BY: ACCEPTED: BY: WORK ORDER COMPLETED: DATE: I/WE CERTIFY WORK HAS BEEN PERFORMED ACCORDING TO THE CONTRACT AND HEREBY REQUEST PAYMENT: BY: ACCEPTED: BY: VERIFICATION OF WORK ORDER COMPLETED: BY:

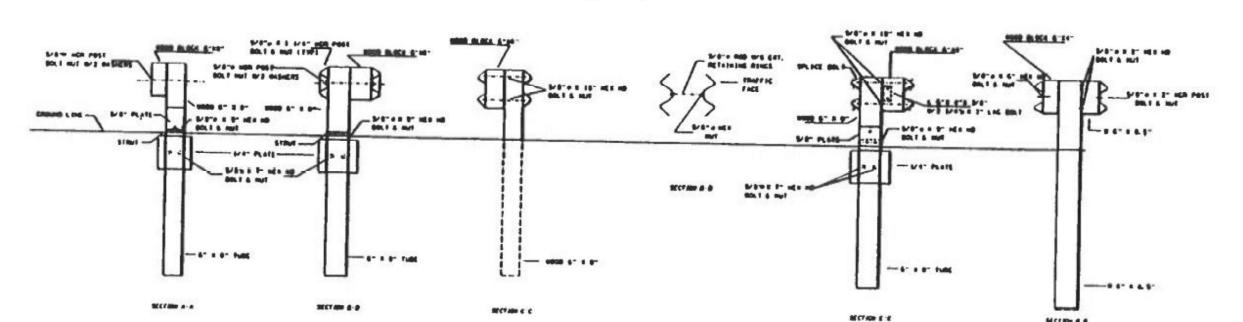
APPROVED FOR PAYMENT

DATE

LISER NAME = \$LISER\$	DESIGNED -	REVISED -				F.A. SECTION	COUNTY TOTAL	AL SHEET
	DRAWN -	REV[SED -	STATE OF ILLINOIS		DISTRICT 4 – SAMPLE WORK ORDER	VAR DA GUARDRATI PERATES 2023 - MCHD	VARIOUS 27	:15 NO
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION			VAR D4 GGA/GIVIE REFAIRG 2023 FIGHD	CONTRACT NO.	68H01
DIOT DATE - 10/21/2022	DATE -	REV[SED _	1	SCALE:	CHEET 1 OF 1 CHEETCL CTA TO CTA		10.000.000	

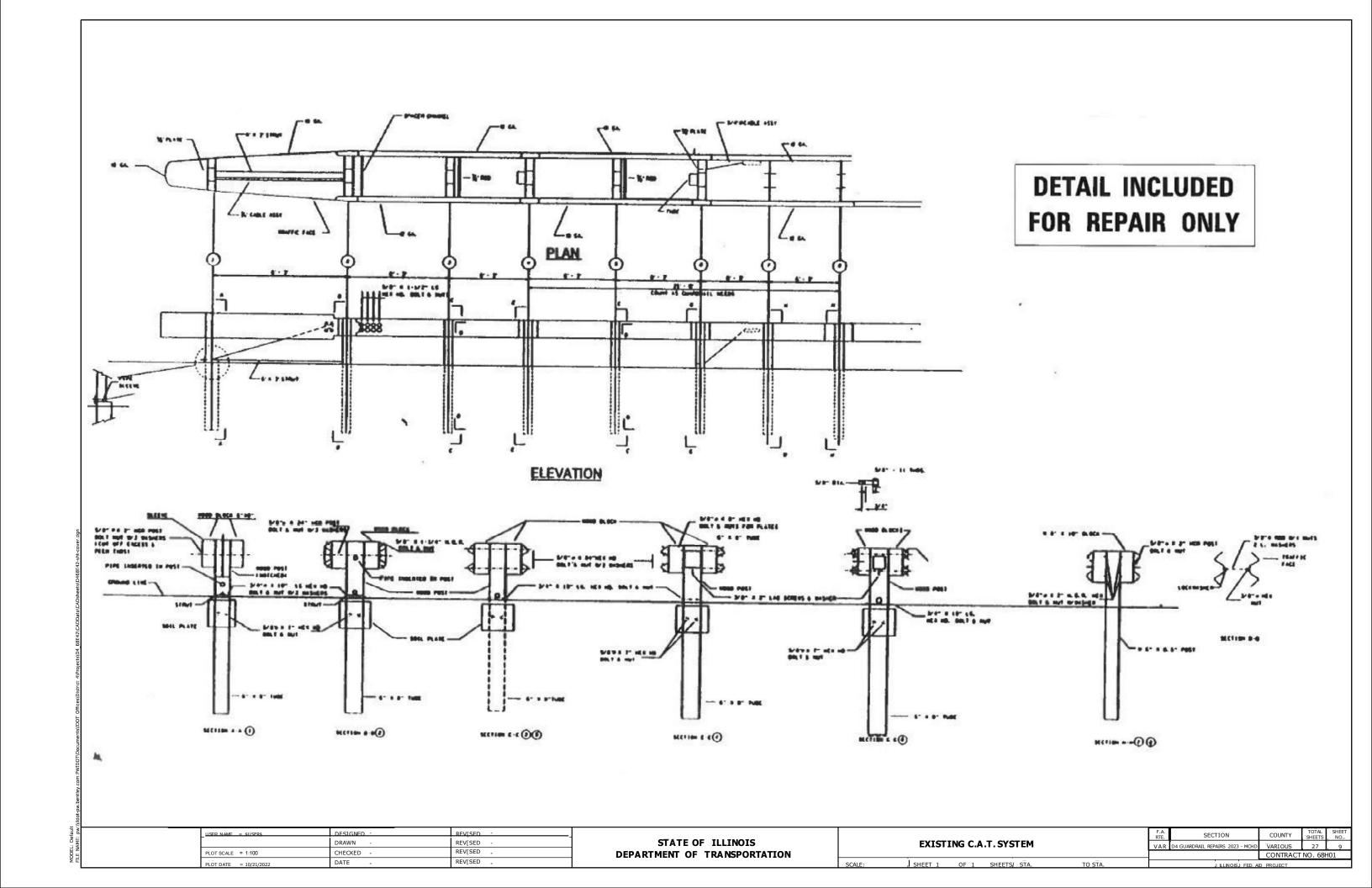
DETAIL INCLUDED FOR REPAIR ONLY

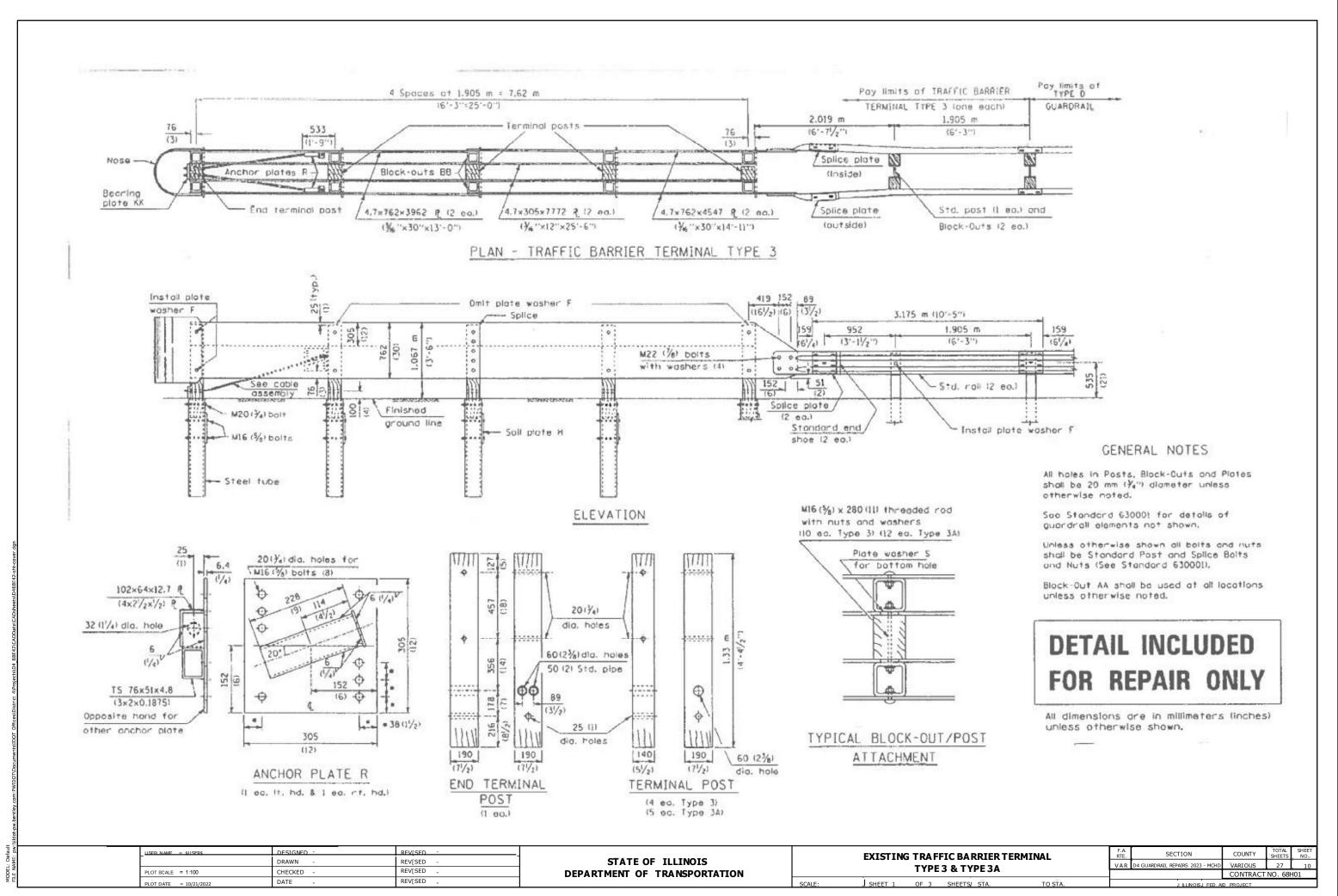


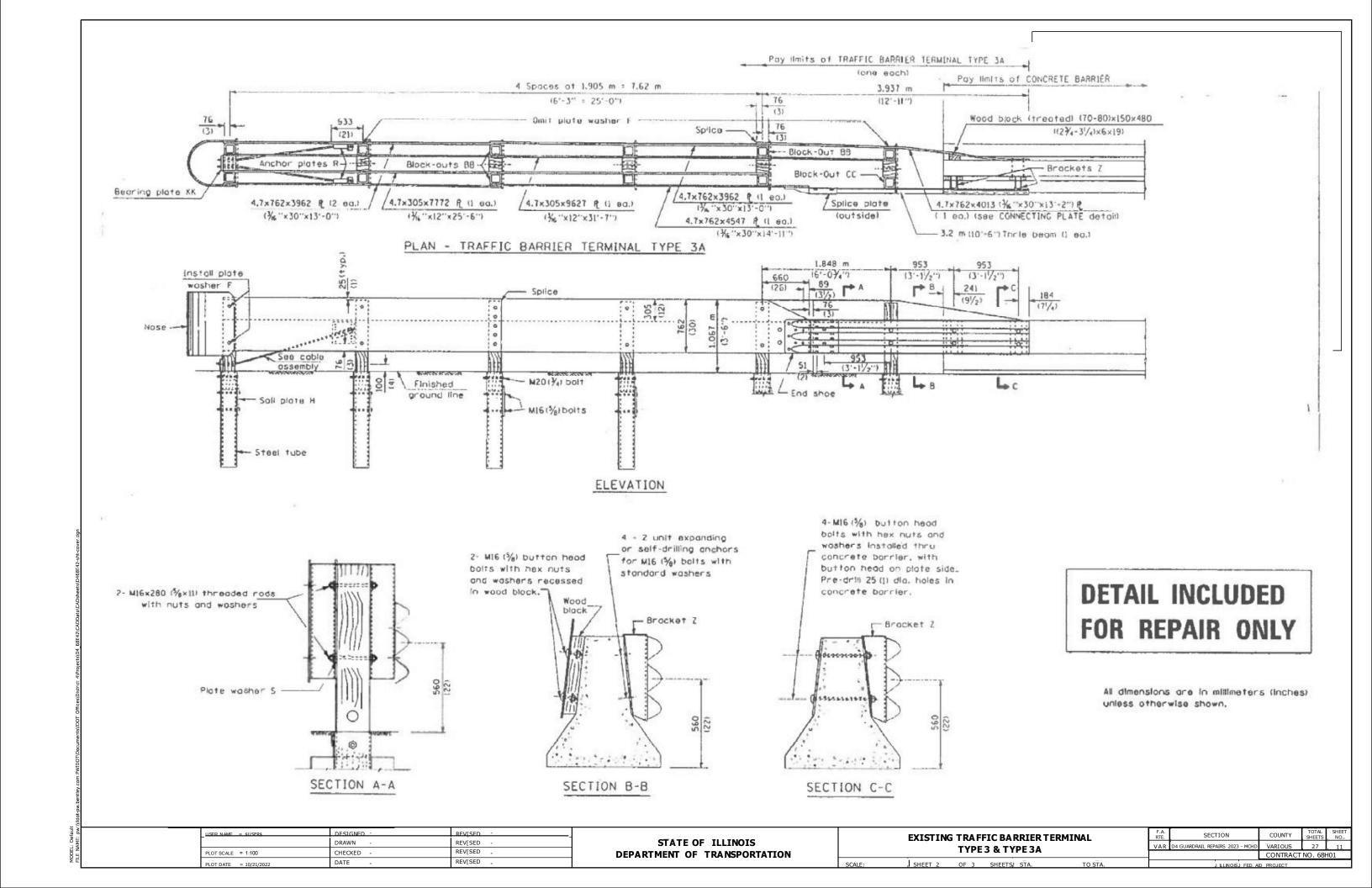


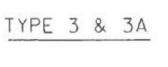
USER NAME = \$USER\$	DESIGNED -	REVISED -				F.A.	SECTION	COUNTY	TOTAL SHE
-	DRAWN -	REV[SED -	STATE OF ILLINOIS	EXISTING V.A.T. SYSTEM			DA CHARDENTH DEBATRS 2023 - MCHD	VARIOUS	SHEETS NO.
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION				DT GOALDIVALE INC. ALIG. 2023 FIG.1D	CONTRACT	NO. 68H01
PLOT DATE = 10/21/2022	DATE -	REV[SED _		SCALE: SHEET 1 OF 1 SHEETS! STA.	TO STA.		, ILLINOIS, FED. AI	D PROJECT	

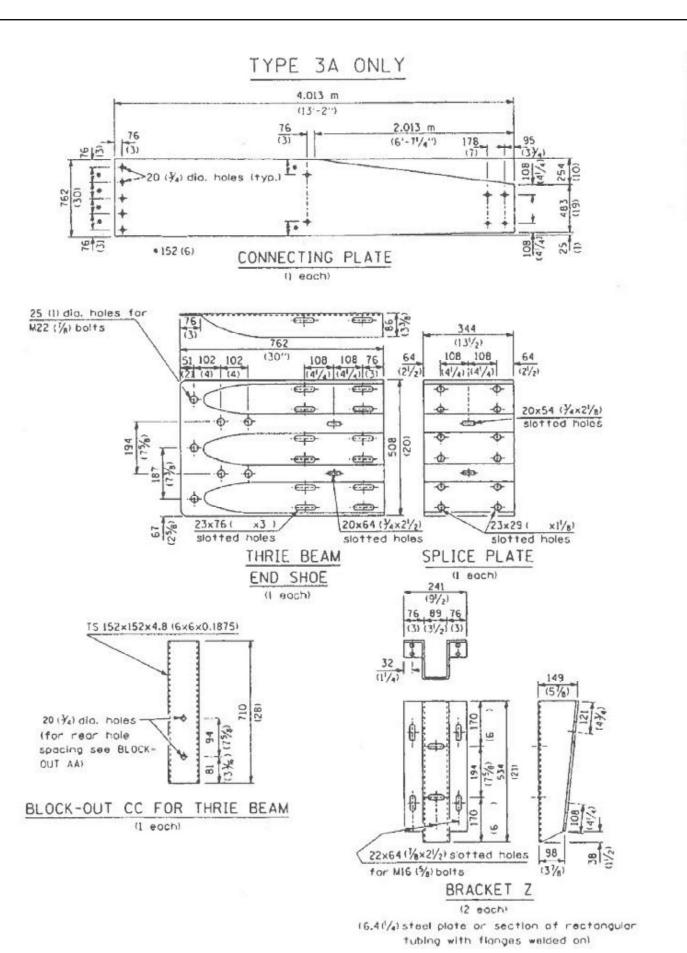
MODEL: Default FILE NAME: pw:\\ildol

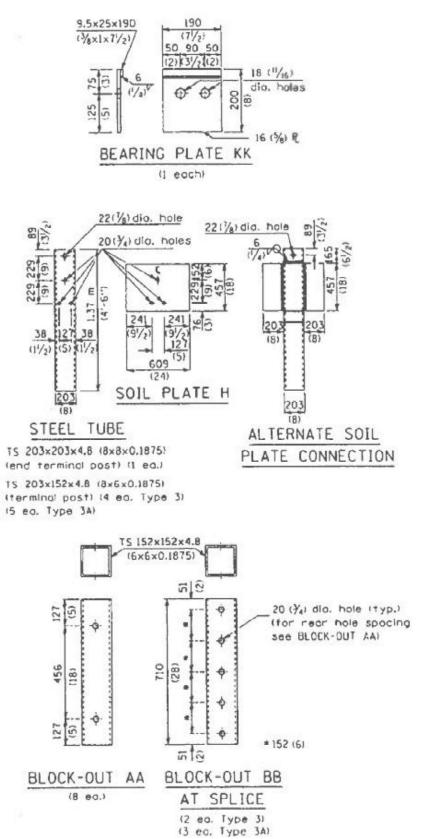


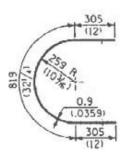


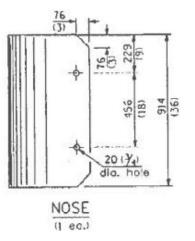


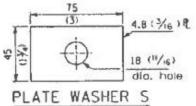












(10 ed. Type 3) (11 ed. Type 3A)

DETAIL INCLUDED FOR REPAIR ONLY

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

USER NAME = \$USER\$	DESIGNED -	REVISED -
	DRAWN -	REV[SED -
PLOT SCALE = 1:100	CHECKED -	REV[SED _
PLOT DATE = 10/21/2022	DATE -	REV[SED _
FLOT DATE = 10/21/2022		-

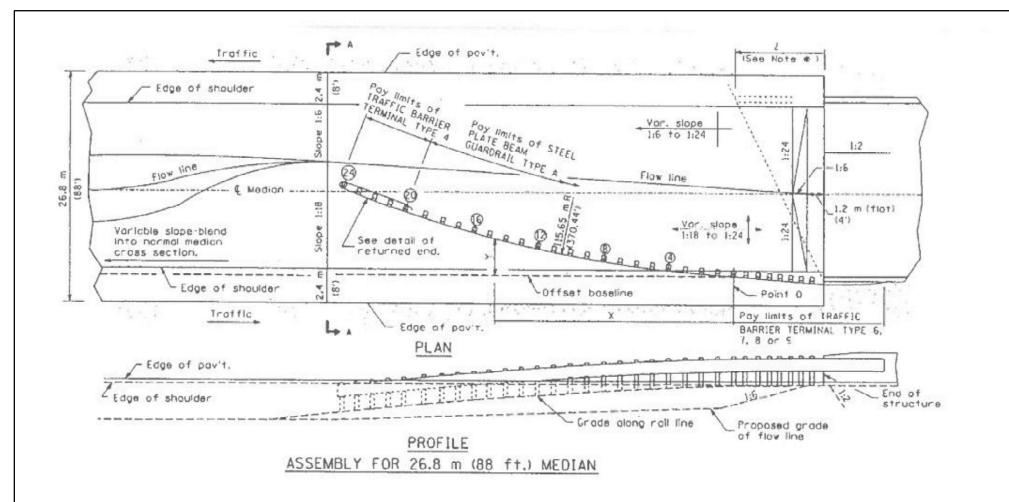
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

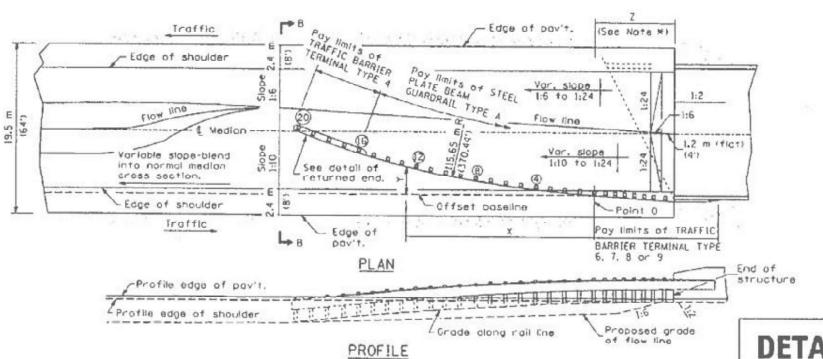
EXISTING TRAFFIC BARRIER TERMINAL	
TYPE3 & TYPE3A	

F.A. SECTION COUNTY TOTAL SHEETS NO..

'AR D4 GUARDRAIL REPAIRS 2023 - MCHD VARIOUS 27 12

CONTRACT NO. 68H01





ASSEMBLY FOR 19.5 m (64 ft.) MEDIAN

POST	DISTANCE M X (ft.)	OFFSET m
POINT	0 (0)	0
(1)	7.60 (24.93)	0.56 (1.83)
8	15.14 (49.68)	1.60 (5.28)
(15)	22.60 (74.16)	3.16
(16)	29.94 (98.23)	5.20
20	37.13	7.71- (25.3)
(29)	44.14	10.70 (35.09)

Offsets (Y) are measured between the face of rail and the offset baseline, which is parallel to the pavement edge and passes through point 0.

The location of point 0 will vary, being dependent on structure details and the type of traffic barrier terminal utilized.

GENERAL NOTES

See Standard 630001 for details of guardrall not shown.

*For dual structures skewed right forward, the nose of the Type 4 terminal shall be positioned longitudinally away from the structure for a distance equal to dimension Z. Appropriate adjustments to the length of the Type A guardrall and its offsets (Y) shall be calculated and used. All additional lengths of guardrall shall be in increments of 3.87 m (12'-6").

For dual structures that are 90°, or skewed left forward, the length of guardrall is appropriate.

The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

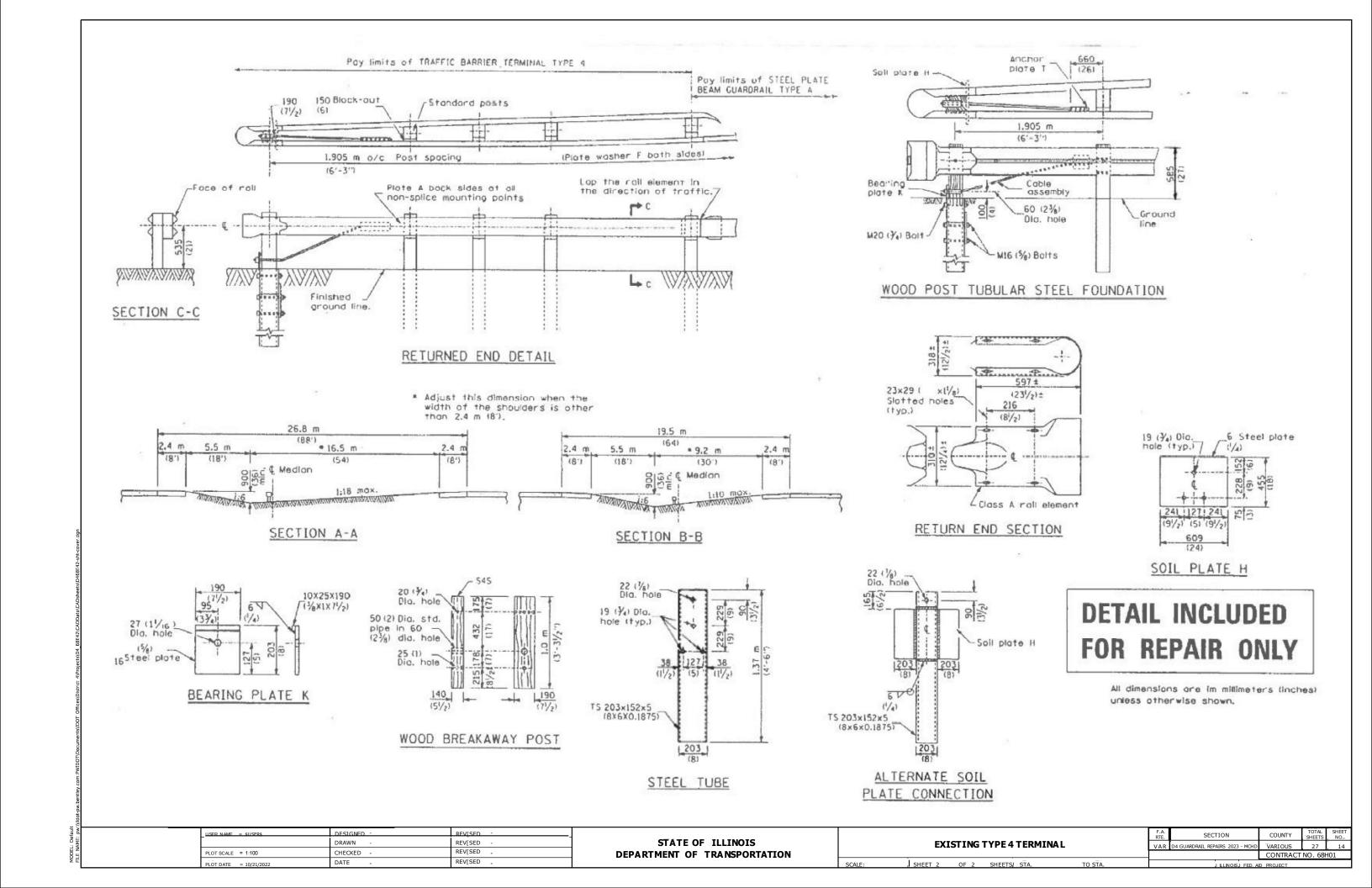
All slopes are expressed as units of vertical displacement to units of horizontal displacement (Y:H),

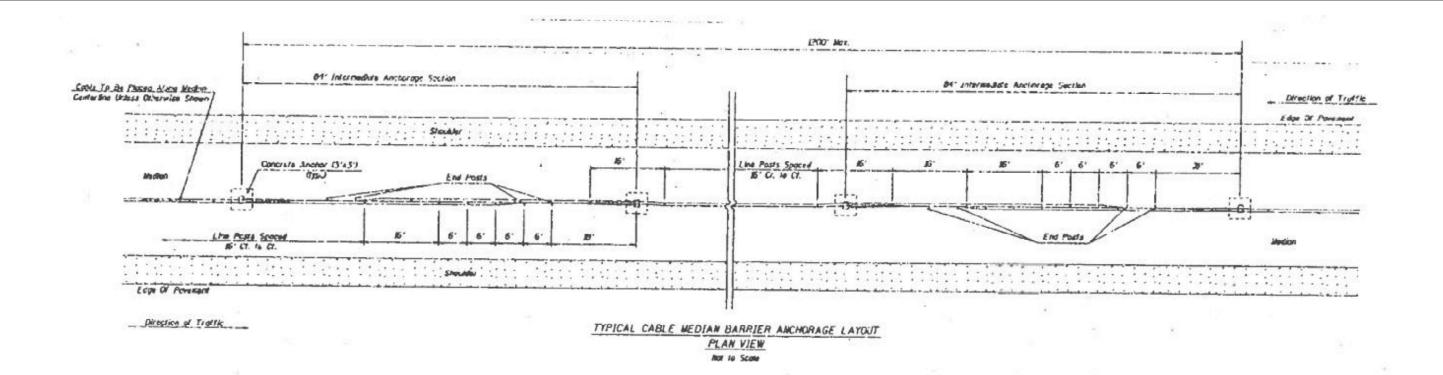
All dimensions are in millimeters (Inches) unless otherwise shown.

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

DETAIL INCLUDED FOR REPAIR ONLY

USER NAME = \$USER\$	DESIGNED -	REVISED -			F.A.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REV[SED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPE 4 TERMINAL	VAD	DA CHARDENATI PERATRS 2023 - MCHD	VARIOUS	27	NO
PLOT SCALE = 1:100	CHECKED -	REV[SED _			VAK	D4 GOARDINALE RELATIO 2025 FIGUR	CONTRACT	NO. 68F	101
PLOT DATE = 10/21/2022	DATE -	REV[SED _		SCALE: SHEET 1 OF 2 SHEETS, STA. TO STA.		, ILLINOIS, FED. A	D PROJECT		





GENERAL NOTE

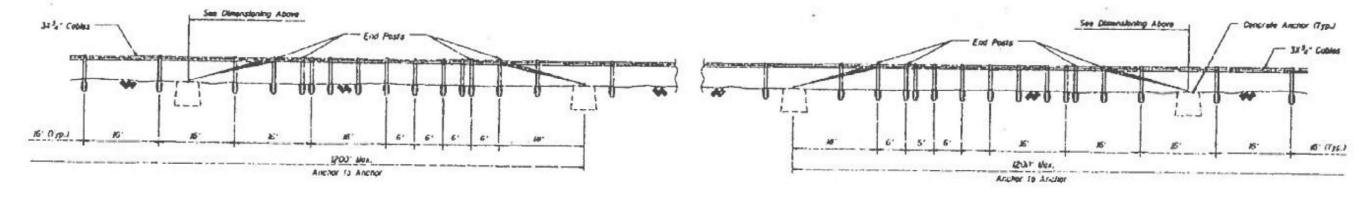
DELINEATORS: Two reflectors, placed back to back, shall be required for each definestor post.

NOTE: This work shalf be done in accordance with Section 635 and no additional compensation will be allowed for two single reflector units placed back to back.

The delimentor shall be installed adjacent to a cable road guard poet at 80 foot centers.

HOTES

- L All posts are the posts unless otherwise specified.
- See detail areas for Post. Complete Archor and Assembly Ports specifications.



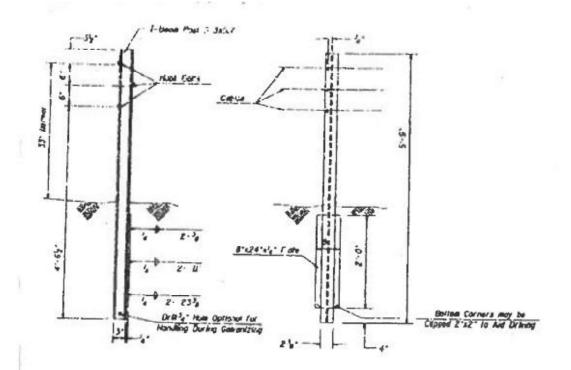
TYPICAL CABLE MEDIAN BARRILR ANCHORAGE LAYOUT

ELEVATION VIEW

MAI IN SOM

DETAIL INCLUDED FOR REPAIR ONLY

USER NAME = \$USER\$	DESIGNED -	REVISED -				F.A.	SECTION	COUNTY	TOTAL SHEE	Ē
	DRAWN -	REV[SED -	STATE OF ILLINOIS	EXISTING	CABLE MEDIAN BARRIER (CABLE ROAD GUARD)	VAD	DA CHADODATI DEDATOS 2023 - MOHO	VARIOUS	27 11	\exists
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION		VAK	D4 GOALDINAE REFAIRO 2025 FIGID	CONTRACT	NO. 68H01	1	
DLOT DATE - 10/21/2022	DATE -	REV[SED _		SCALE:	SHEET 1 OF 3 SHEETSLISTA TO STA			D DDO IFOT		П.

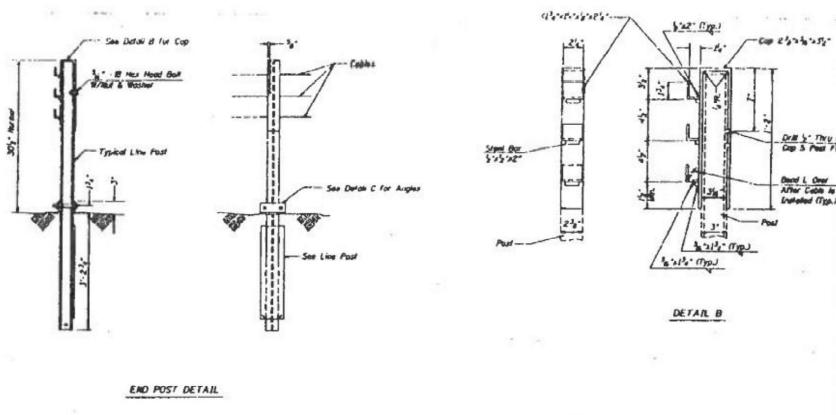


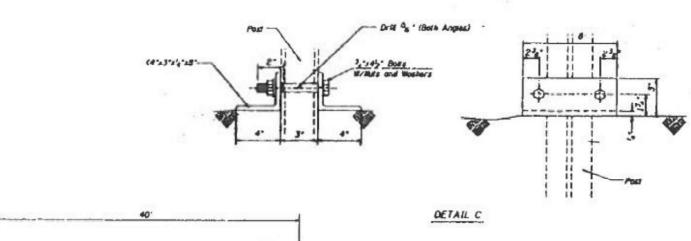
MUTES

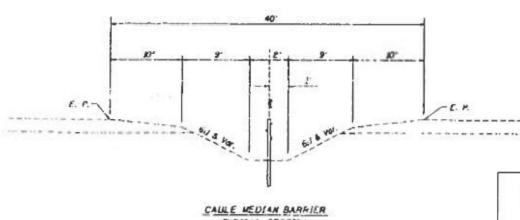
LINE POST DETAIL

- I. At all locations where the cable is connected to a cable ancitot with a wadge type connection, one wire of the wire rope shall be crimped only the base of the wedge to hold it tirely in place.
- Compensating devices shall have spring constants of 450 Pounds Per Inch. plus or minus 50 Pounds Per Inch. and permit a travel of 5 Inches, plus or seizus I inch.
- 3. Societ basists shall be designed for use with the wedge detailed in these Standards.
- 4. Afternate bareware designs will be considered for approved provided their connection details. For the purpose of maintenance substitutions, are compatible with the details of these standards and thier operating characteristics are sheets to trake of the hordware sheets.
- 5. Threads of externally threaded parts shall be UNC, Class 2A telerance (A.M.S.L. D.L.W. Internally intrended parts shall meet the dimensional requirements of ASTM A 563,
- 6. All fittings (Socialized spices) should be so designed to use the wealige season in the wedge shelps and shell be of much section us to develope the full strength of the 3,000 number (25,000 Lbs.).
- For programmer of spring cobre and assembling icompensating divices; and furnituation code and assembline, the following orderly shall apart. Length of Cobe Runs.
- To DOO! Use compensating cools and currently on one and one turnbucks cubis and sistable on the other and of each habitant cubis.

 Over COO! is 2000! Use compensating copie and useembly on each and of each instituted outside.
- 8. All assembly parts and pasts are to be galacinized and no punching cutting or making will be perentred after powertains.
- Dimensional tonrences not secure or implied are invented to be those consistant with the proper functioning of the part, including its appearance, and accepted word attemp procines.







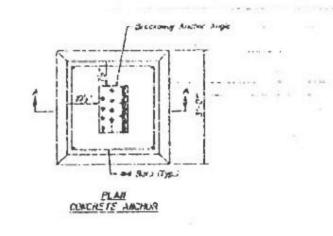
PYPICAL SECTION

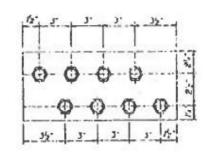
DETAIL INCLUDED FOR REPAIR ONLY

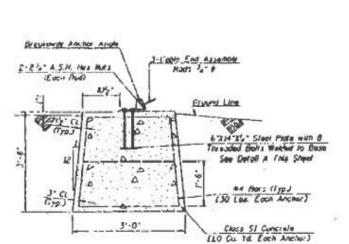
REVISED USER NAME = \$USER DESIGNED DRAWN REV[SED PLOT SCALE = 1:100 CHECKED REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** EXISTING CABLE MEDIAN BARRIER (CABLE ROAD GUARD)

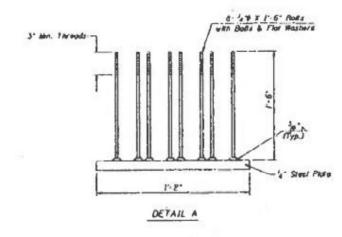
SECTION COUNTY VARIOUS 27 16 CONTRACT NO. 68H01

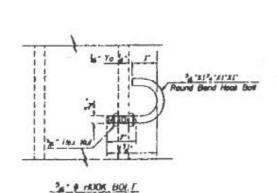


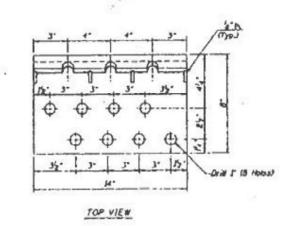


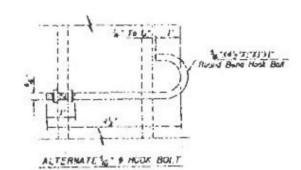


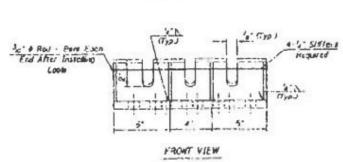
SECTION A-A

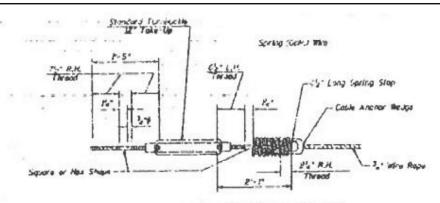




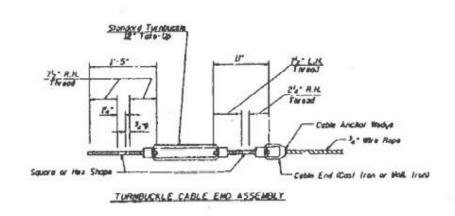


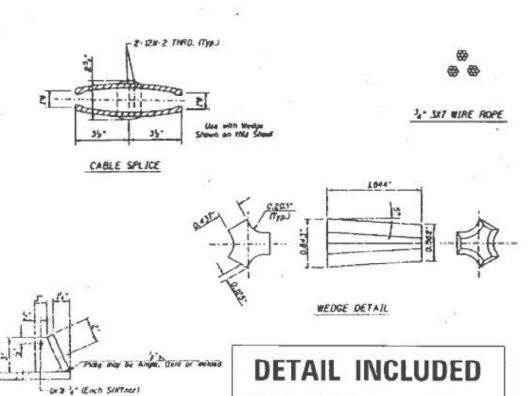






COMPENSATING CABLE END ASSEMBLY





BUFSKAWEY EMPHOR ANGIF

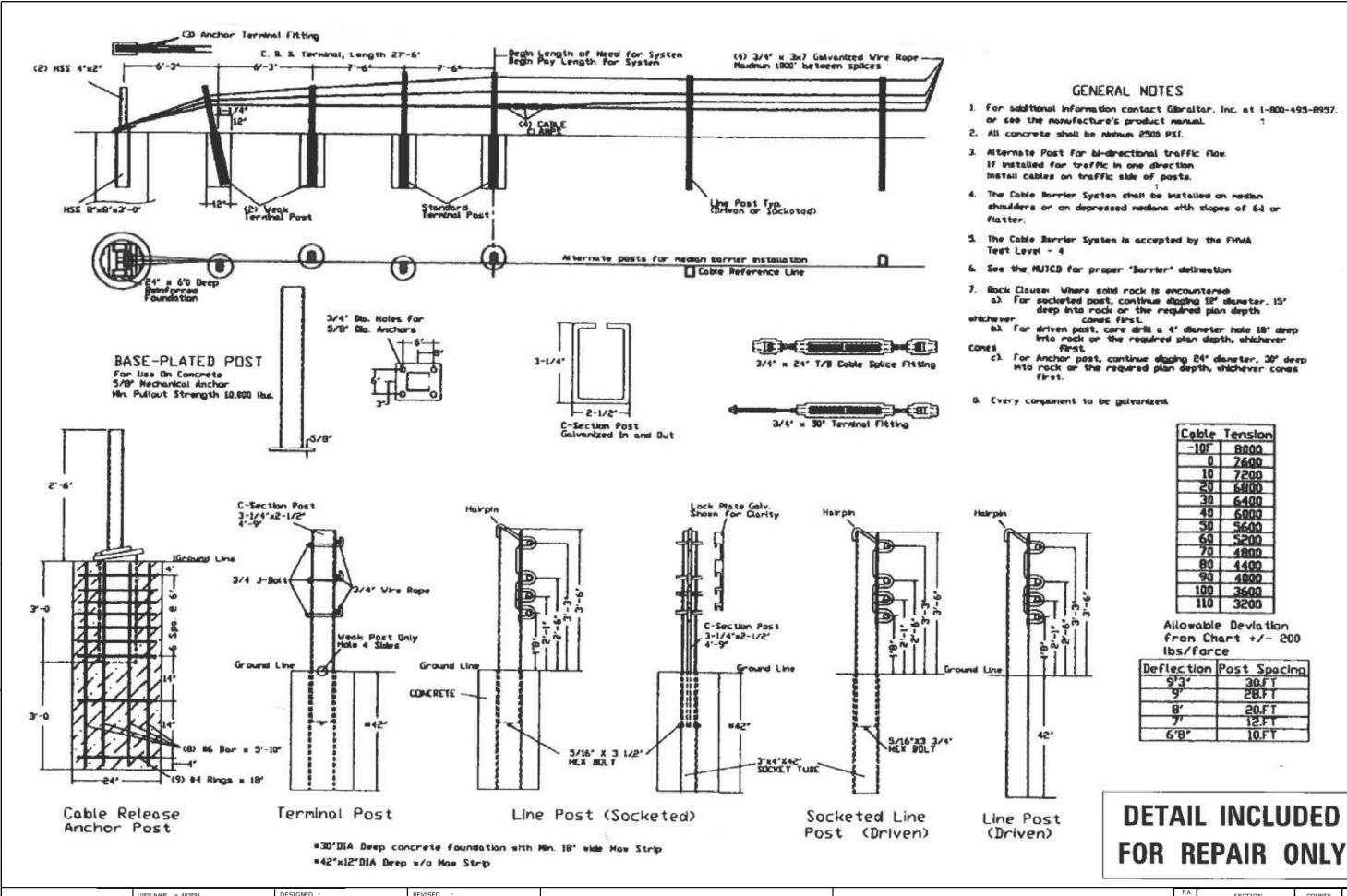
SIDE VIEW

LISER NAME = \$LISER\$	DESIGNED -	REVISED -	
	DRAWN -	REV[SED -	
PLOT SCALE = 1:100	CHECKED -	REV[SED _	
PLOT DATE = 10/21/2022	DATE -	REV[SED _	

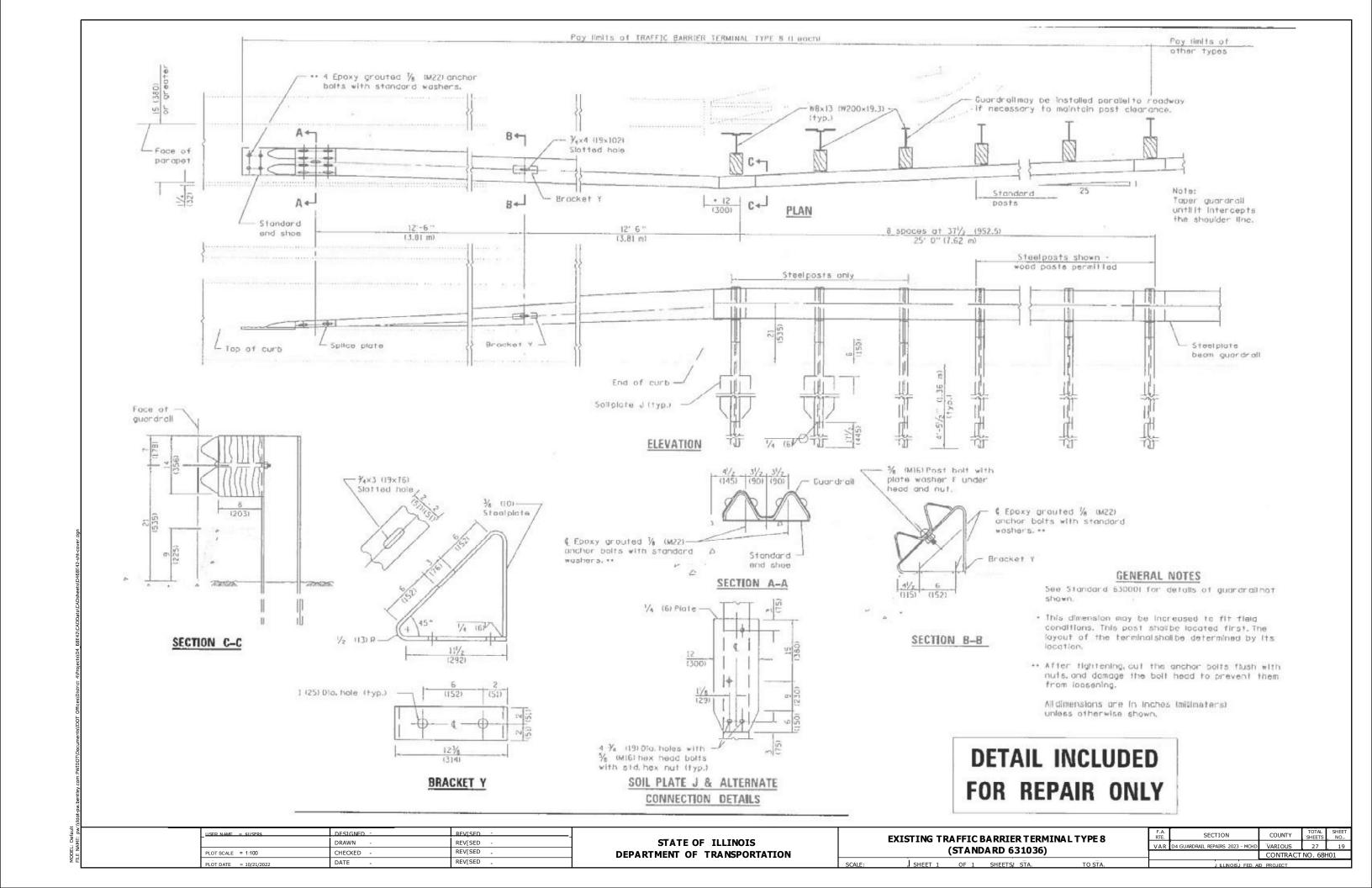
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

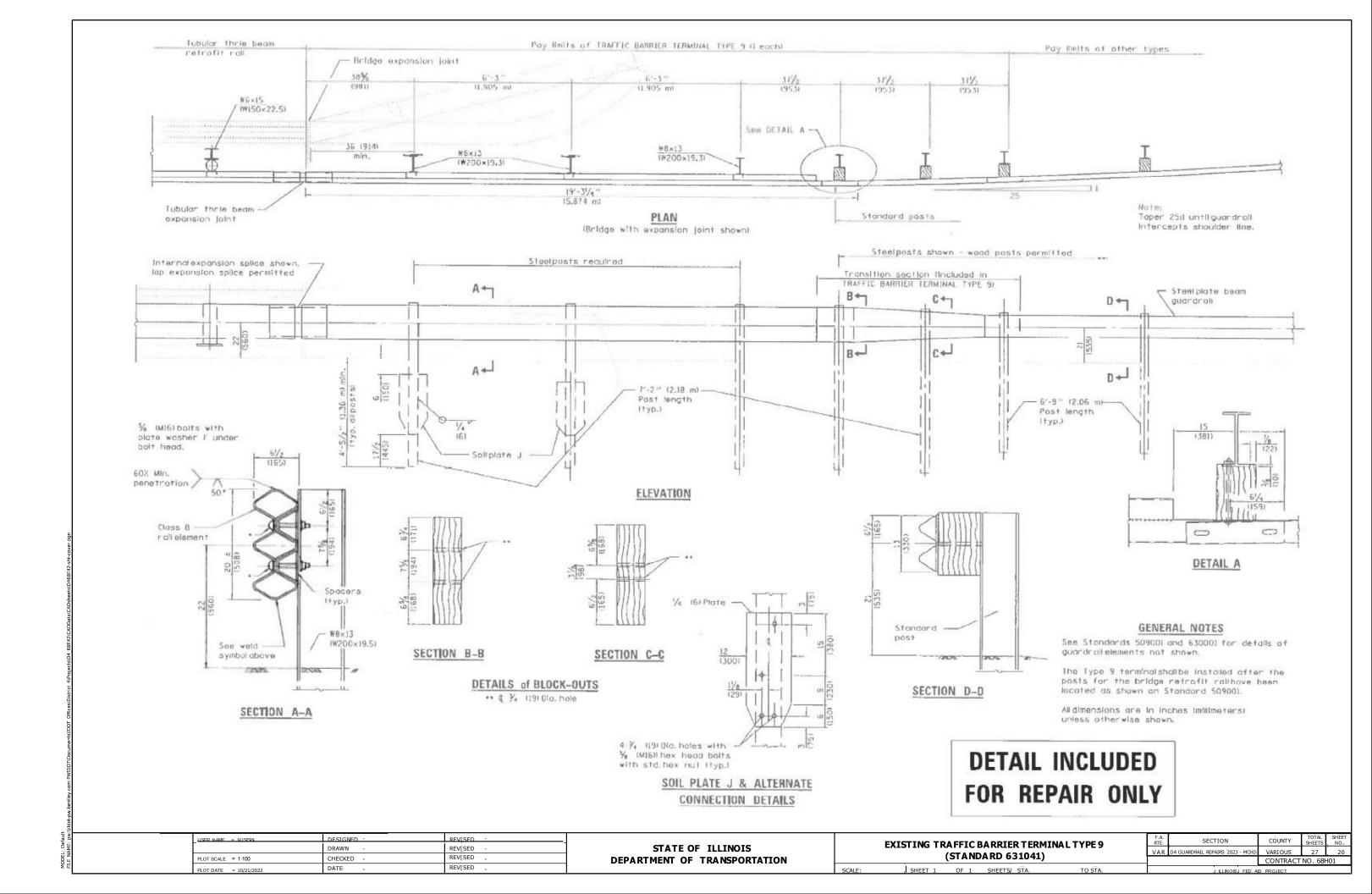
	F.A. RTE. SECTION COUNTY		COUNTY	TOTAL	SHEET NO	
EXISTING CABLE MEDIAN BARRIER (CABLE ROAD GUARD)	VAR	D4 GUARDRAIL REPAIRS 2023 - MCHD	VARIOUS	27	17	
,			CONTRACT	NO. 68H	101	
JE: J. SHEET 3 OF 3 SHEETSLISTA. TO STA.		LILINOIS LEED AN	ID PROJECT			

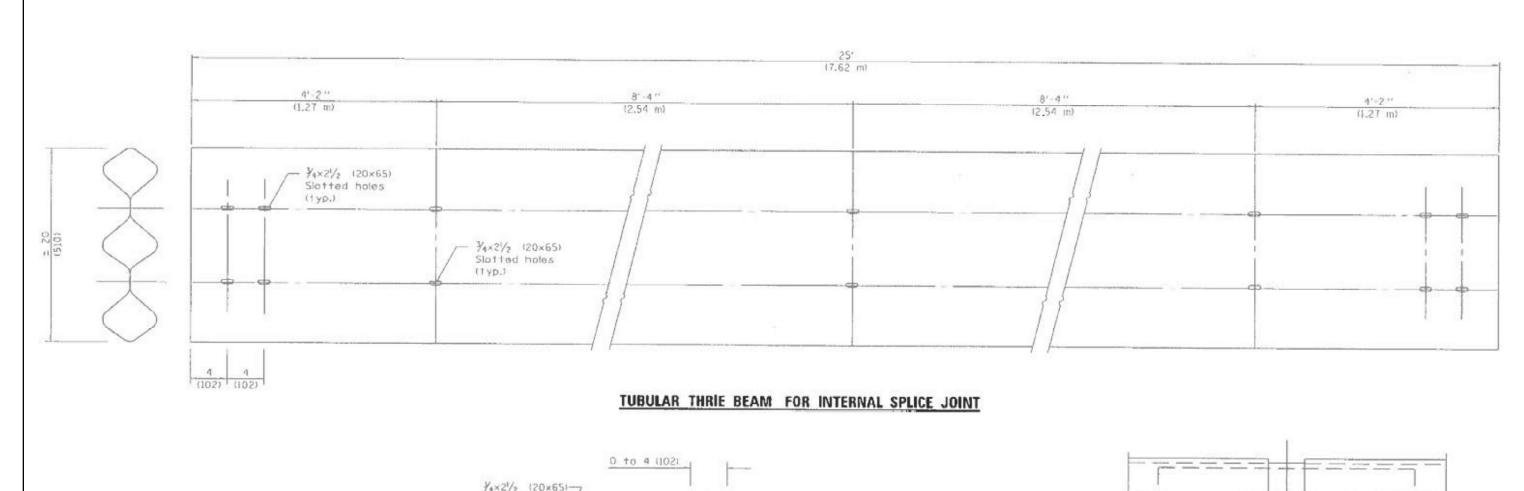
FOR REPAIR ONLY

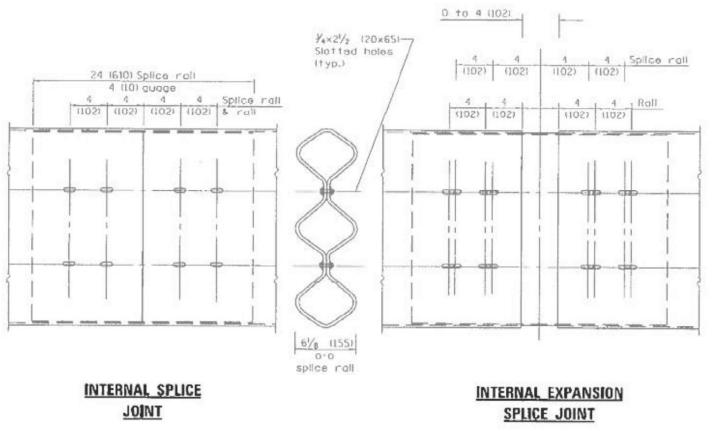


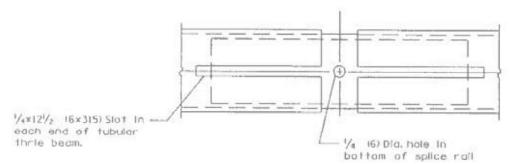
DESIGNED ISER NAME = \$IISER COUNTY STATE OF ILLINOIS DRAWN REV[SED **EXISTING GIBRALTAR CABLE BARRIER DETAIL** VAR D4 GUARDRAIL REPAIRS 2023 - MCHI VARIOUS 27 . 18 LOT SCALE = 1:100 CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 68H01 DATE SHEET 3 OF 3 SHEETS STA.











BOTTOM VIEW OF INTERNAL EXPANSION SPLICE JOINT

DETAIL INCLUDED FOR REPAIR ONLY

GENERAL NOTES

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

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

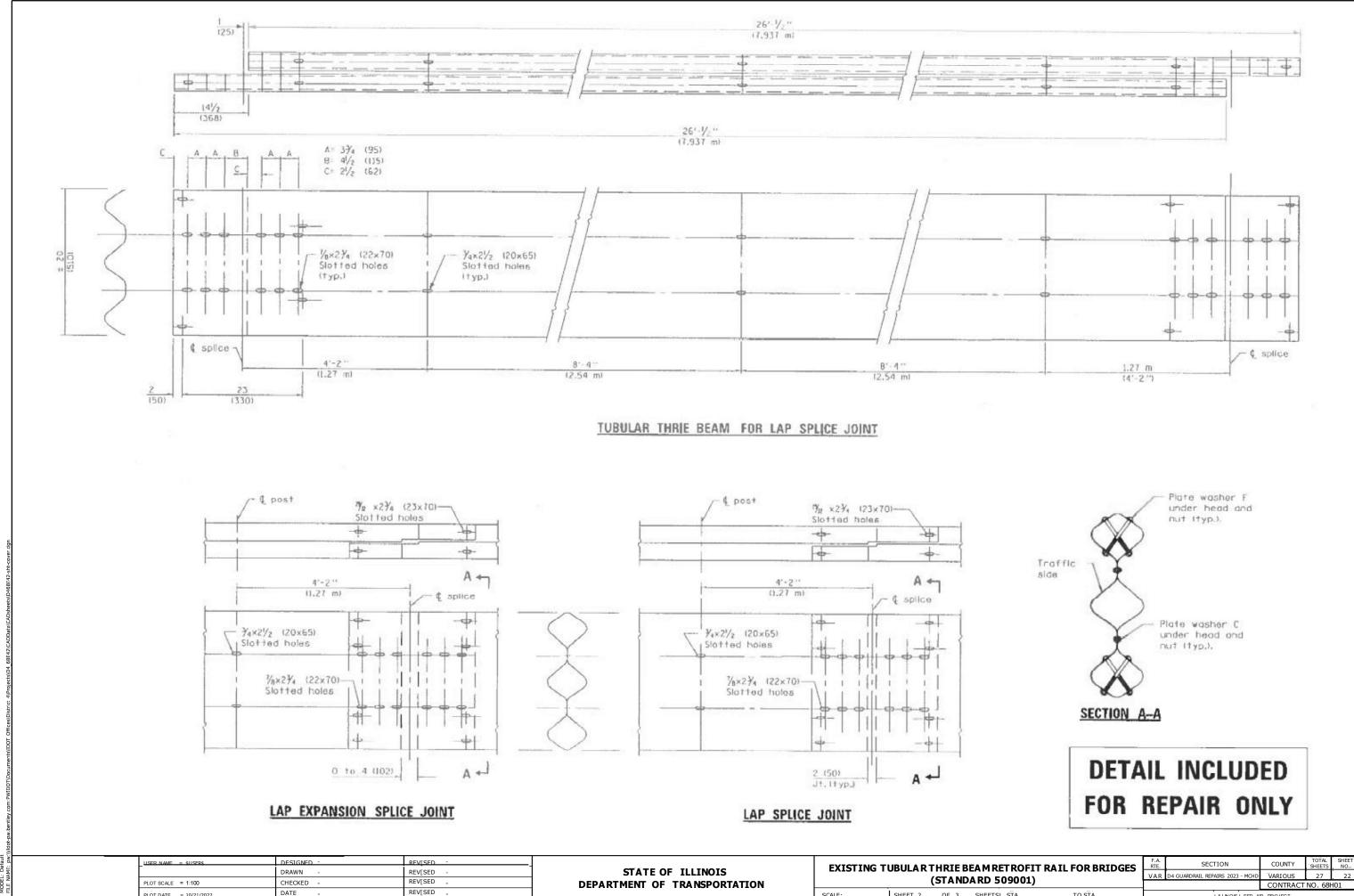
See Standard 630001 for details of guardrail not shown.

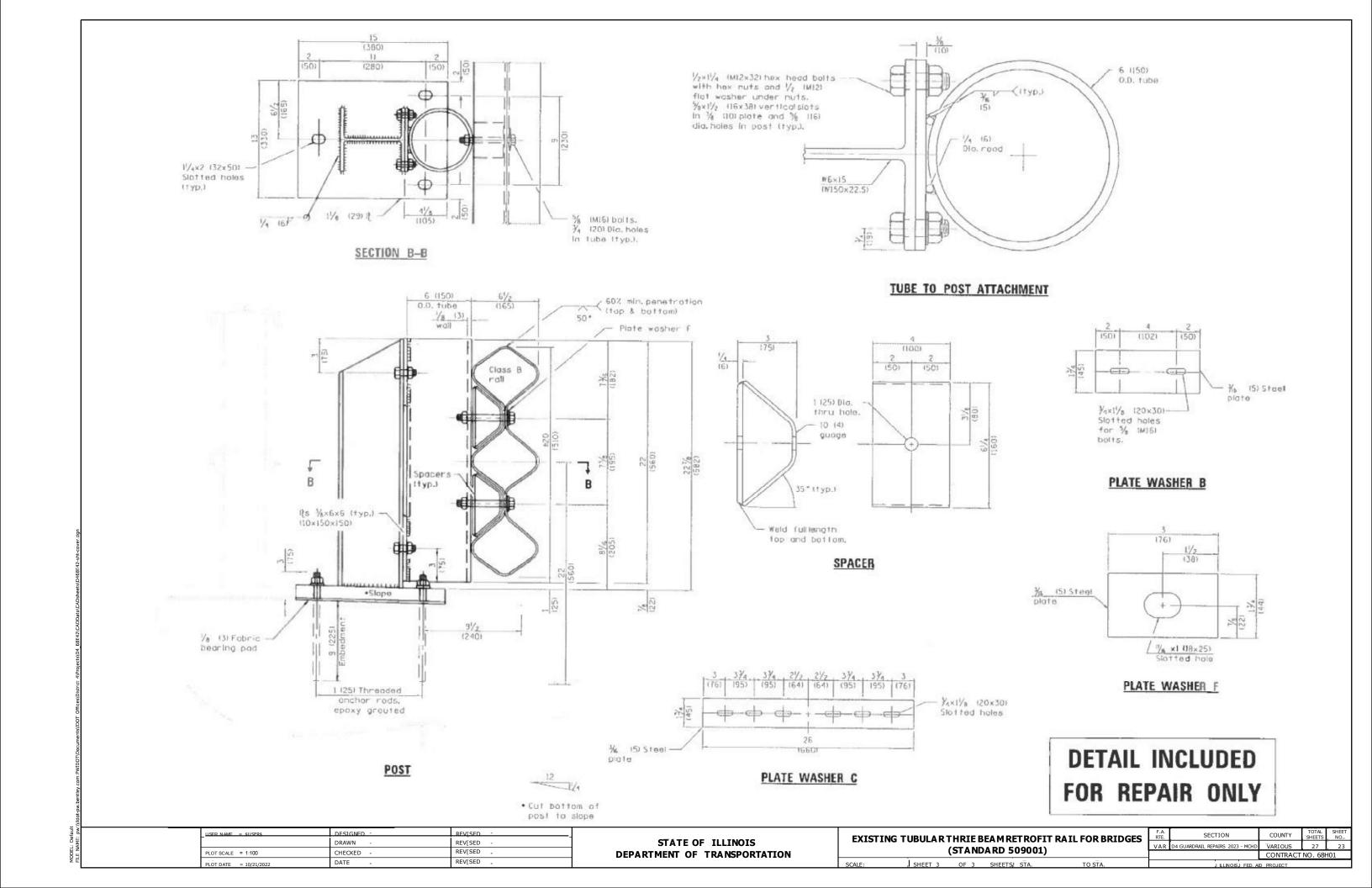
All dimensions are in Inches (millimeters) unless otherwise shown.

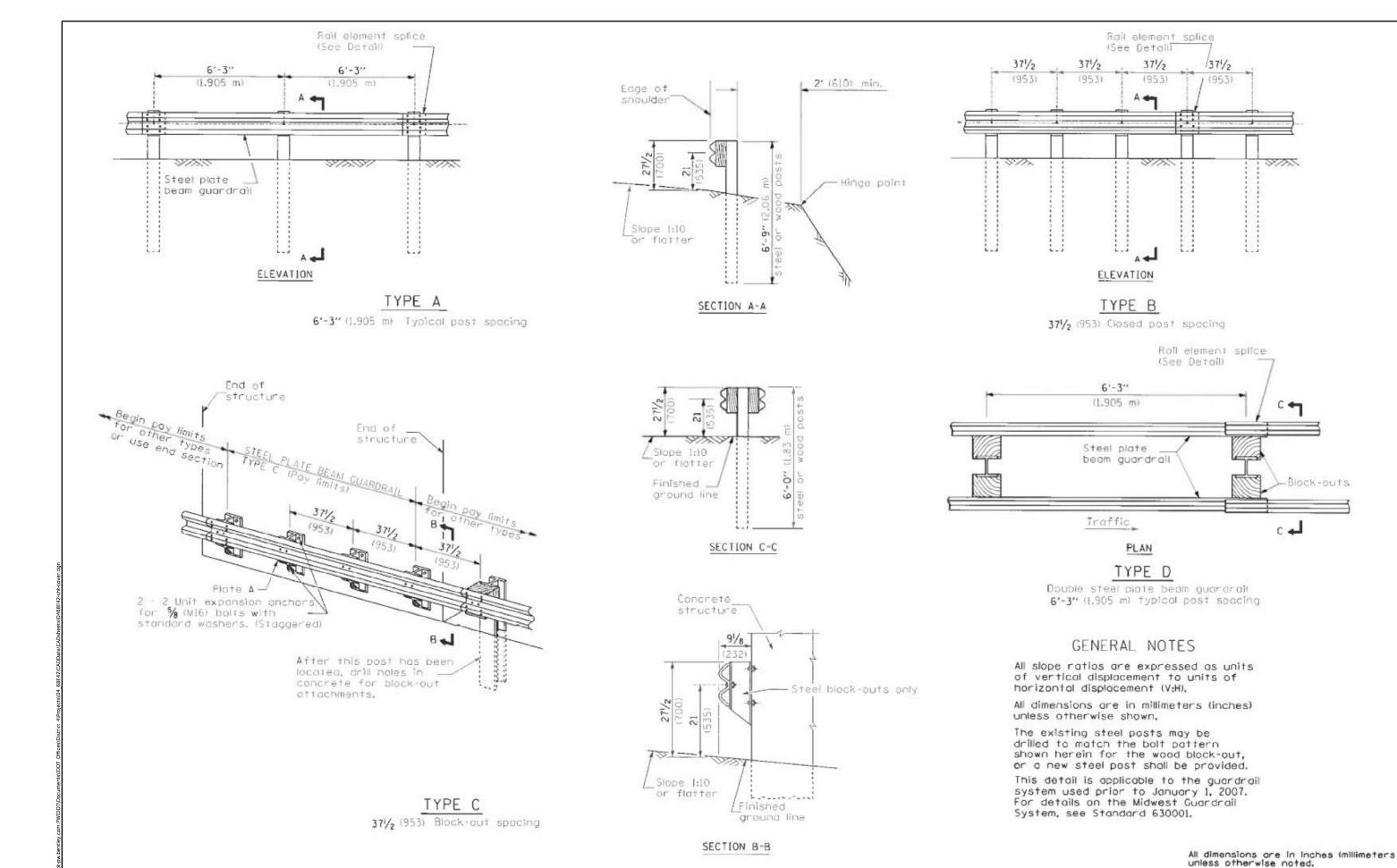
USER NAME = \$USER\$	DESIGNED -	REVISED -
	DRAWN -	REV[SED -
PLOT SCALE = 1:100	CHECKED -	REV[SED _
PLOT DATE = 10/21/2022	DATE -	REV[SED _

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FXISTING THE	IIII AR THRIF RI	A M RET ROETT	RAIL FOR BRIDGES	F.A. RTE.	SECTION	CC
EXISTING TOE	_		ICATE I ON BRIDGES	VAR	D4 GUARDRAIL REPAIRS 2023 - MCHD	VAF
	(STANDARD 509001)					CO
1		_				







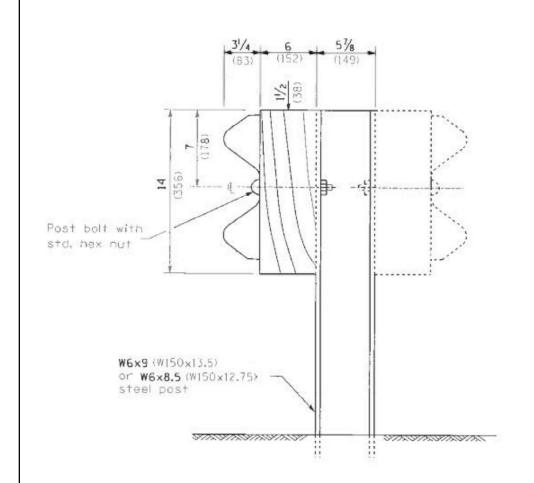
REVISED DESIGNED ISER NAME = \$USER DRAWN REV[SED PLOT SCALE = 1:100 CHECKED REV[SED REV[SED DATE

DEPARTMENT OF TRANSPORTATION

STEEL PLATE BEAM GUARDRAIL, TYPE A, **6.75 FOOT POSTS**

SECTION COUNTY VARIOUS CONTRACT NO. 68H01

STATE OF ILLINOIS





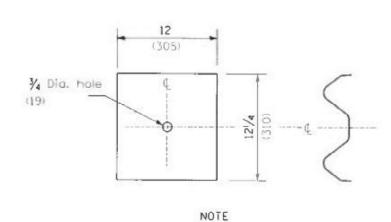
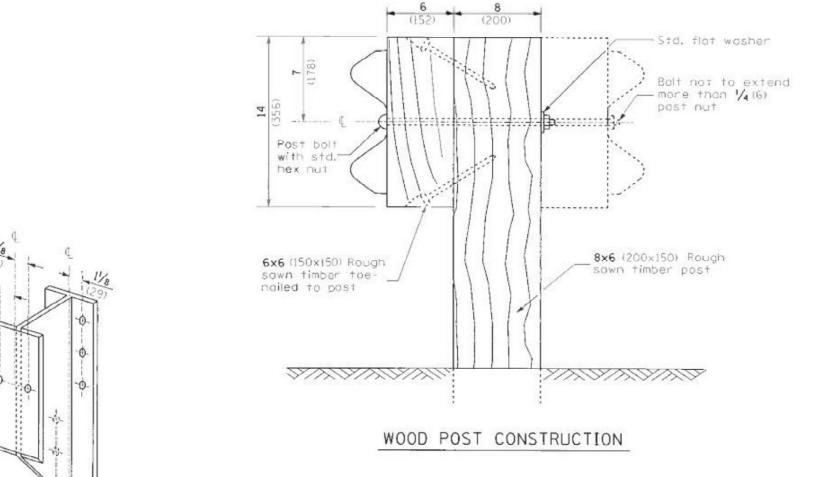
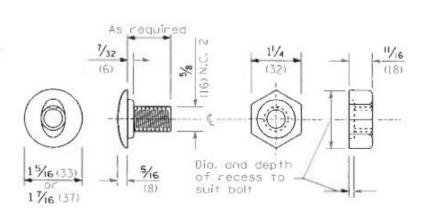


Plate A shall be placed between rail element and block-out at nonsolice mounting points only when steel block-outs are used.

PLATE A



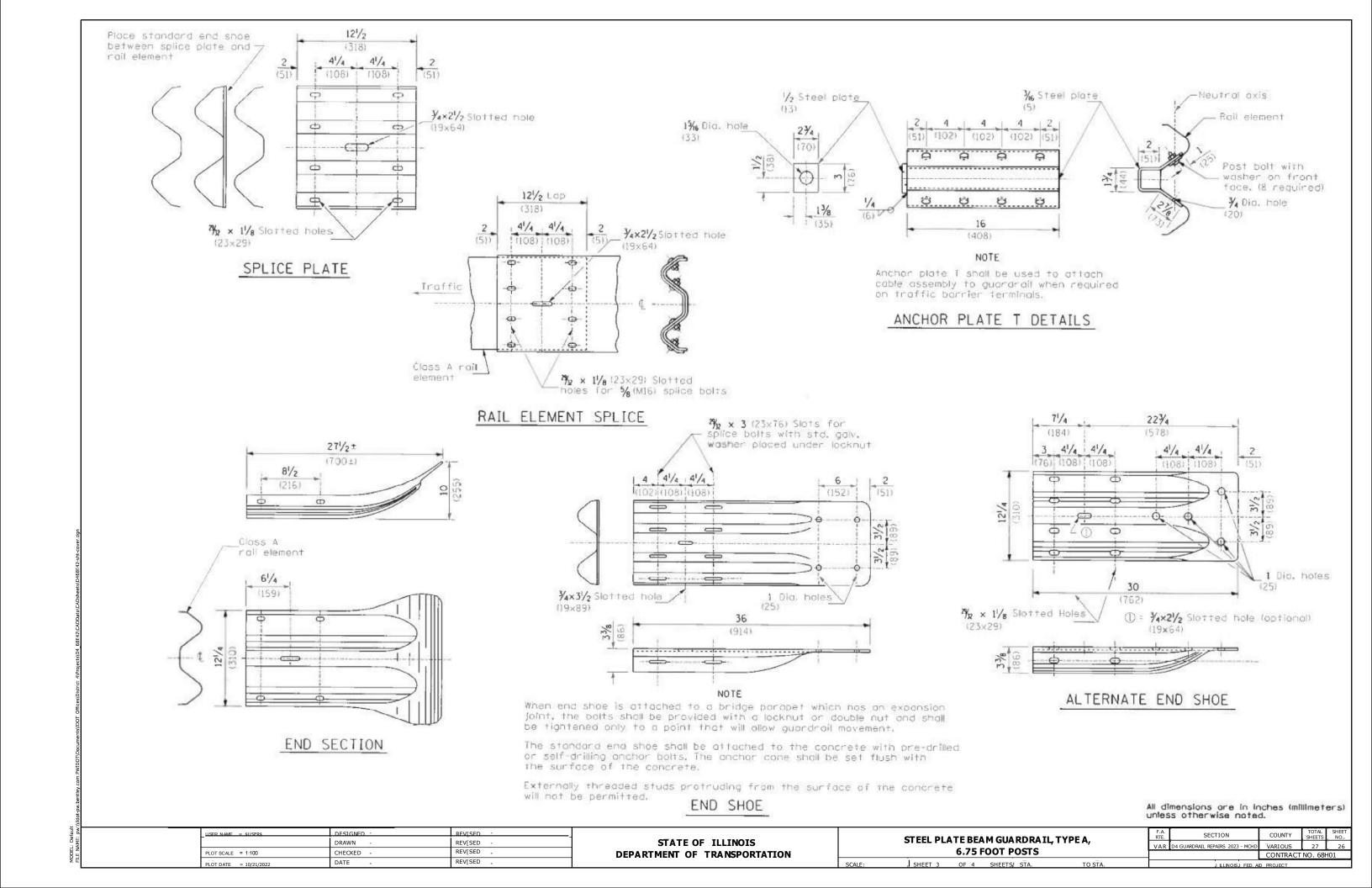


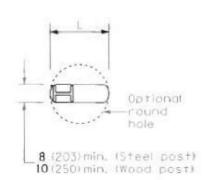
POST OR SPLICE BOLT & NUT

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

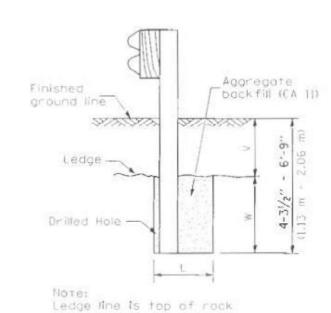
LISER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS		STEEL PLATE BEAM GUARDRAIL, TYPE A,	RTE.	SECTION	COUNTY	SHEETS	NO.
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION		6.75 FOOT POSTS	VAR	D4 GUARDRAIL REPAIRS 2023 - MCHD	CONTRACT	NO. 68HC	25 1
PLOT DATE = 10/21/2022	DATE -	REV[SED _		SCALE:	SHEET 2 OF 4 SHEETS! STA. TO STA.		, ILLINOIS, FED. AI	PROJECT		

STEEL BLOCK-OUT DETAIL





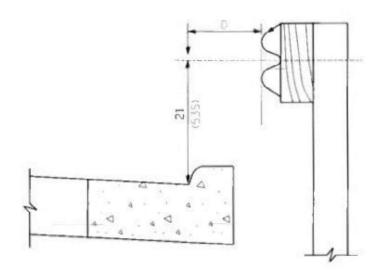
PLAN



ELEVATION

ledge or hard slag fill.

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



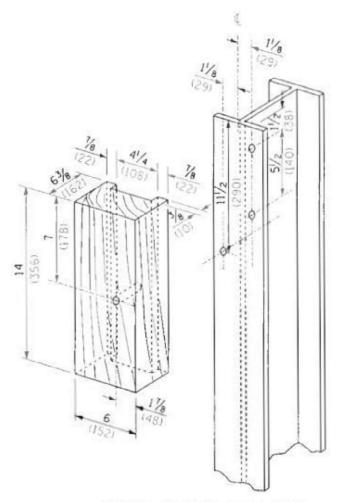
Note:

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

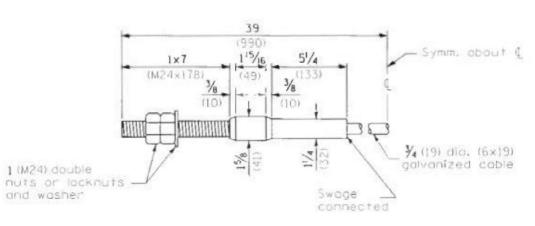
GUARDRAIL PLACED BEHIND CURB

ID = 0 desirable to 12 (300) maximum)

V	w	C			
181	. "	Steel Post	Wood Post		
0 - 18	24	21	23		
(0 - 460)	(610)	(530)	(580)		
>18 - 41.5	12	8	10.		
(>460 - 825)	(305)	(203)	(250)		
341.5 - 53.5	12 - 0	8	10		
(3825 - 1.13 m)	(305 - 0)	(203)	(250)		



WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(18,100 kg (40,000 lbs.) min, breaking strength).
Tighten to tout tension.

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

USER NAME = \$USER\$	DESIGNED -	REVISED -				F.A.	SECTION	COLINTY	TOTAL SH	EET
	DRAWN -	REV[SED -	STATE OF ILLINOIS		STEEL PLATE BEAM GUARDRAIL, TYPE A,	VAR	D4 GUARDRATI REPAIRS 2023 - MCHD	VARIOUS	27	<u>)</u>
PLOT SCALE = 1:100	CHECKED -	REV[SED _	DEPARTMENT OF TRANSPORTATION		6.75 FOOT POSTS	VAIC	01 00/V01/V12 121/110 2020 11010	CONTRACT	NO. 68H01	
DLOT DATE = 10/21/2022	DATE -	REV[SED _		CCALE:	LOUGET 4 OF 4 CHEETEL STA TO STA			D DD 0 1507		\neg