06-17-2022 LETTING ITEM 087

0

0

0

0

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

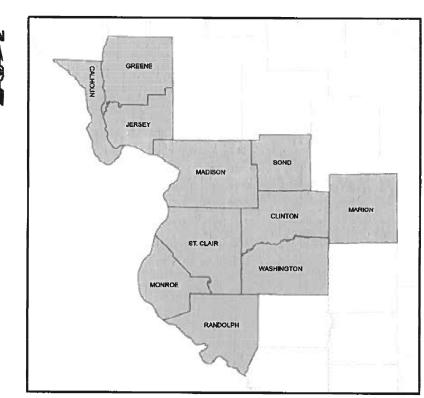
FOR INDEX OF SHEETS, SEE SHEET NO. 2

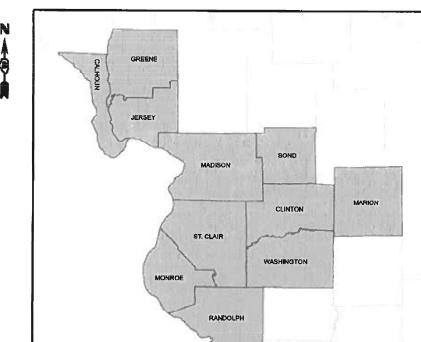
# **PROPOSED** HIGHWAY PLANS

**VARIOUS ROUTES SECTION DIST 8 GUARDRAIL 2023-1** 

**GUARDRAIL & CABLE MEDIAN REPAIR VARIOUS COUNTIES** 

C-98-078-22

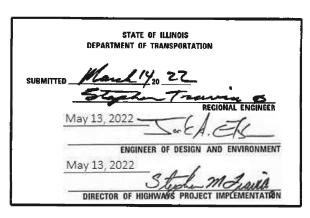




NOT TO SCALE

D-98-048-22





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: CHERYL KEPLAR SQUAD CONTACT: TONI MANN

CONTRACT NO. 76R03

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08

COVER SHEET

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

3.-5. SUMMARY OF QUANTITIES

HIGH TENSION CABLE LOCATION MAP

7.-12. GUARDRAIL DETAILS

701201-05 630001-12 701301-04 630101-10 701400-11 701401-13 630301-09 631006-08 701406-13 631011-10 701421-08 631026-06 701426-09 631031-17 701428-01 635001-02 701456-05 636001-02 701501-06 701001-02 701502-09 701006-05 701601-09 701011-04 701602-10 701101-05 701606-10 701701-10 701106-02 701901-08

### GENERAL NOTES

- BEFORE ORDERING THE IMPACT ATTENUATORS, THE CONTRACTOR MUST CONTACT THE OPERATIONS FIELD ENGINEER AT (618) 346-3279 OR (618) 346-3233 TO RECEIVE APPROVAL OF THE PROPOSED INSTALLATION.
- ALL WORK IS TO BE REPLACED IN KIND OR AS INDICATED ON THE CONTRACT PLANS AND PROVISIONS.
- 3. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE LISTED IN THE PLANS AND CONTRACT DOCUMENTS.
- ALL REFLECTORS SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER. COST OF REFLECTORS TO BE INCLUDED IN THE GUARDRAIL PAY ITEMS. 5.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY.
- WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
- PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL CONFIRM THE TYPES AND SPECIFIC MANUFACTURER FOR THE GUARDRAIL AND CABLE REPAIRS REQUIRED.
- 45 AND 55 MPH SIGNS ARE INCLUDED IN ALL INTERSTATE LANE CLOSURES. IF THE LANE CLOSURE DURATION IS LESS THAN 4 HOURS, THE 45 AND 55 MPH SIGNS ARE NOT REQUIRED.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED. 10.
- ARTICLE 701.20 OF THE STANDARD SPECIFICATIONS DISCUSSES AN ADJUSTED UNIT PRICE. NO ADJUSTMENTS SHALL BE MADE TO THE TRAFFIC CONTROL PAY ITEMS FOR THIS CONTRACT.
- THE CONTRACTOR SHALL BE ADVISED THAT THE GUARDRAIL PAY ITEMS INCLUDED IN THE PLANS MAY BE USED TO REPLACE/REPAIR SPBGR AND TRAFFIC BARRIER TERMINALS FOR EITHER THE CURRENT MIDWEST STYLES AS SHOWN IN THE HIGHWAY STANDARDS OR SPBGR AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JANUARY 1, 2007 AS SHOWN IN THE PLAN DETAILS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.
- THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS
  FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES,
  WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK
  (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN
  THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT EEO OFFICE AT 618-346-3360 AND OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

COMMITMENTS NONE

pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 8\Projects\D876R03\C <mark>A@TAAWYCADshee</mark> ts\D876R03-sht-gennote.dgn REVISED -	
PLOT SCALE = 100.0000 '/ in. CHECKED - REVISED -	
Default         PLOT DATE         = 3/15/2022         DATE         -         REVISED         -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

			,	AY STANDARDS	3
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA

F.A. RTE.			SECTION	ON			COUNTY	TOTAL SHEETS	SHEET NO.
/ARIOUS	DIST	8	GUARDR	RAIL 2	2023-	1	VARIOUS	12	2
						Т	CONTRACT	NO. 7	6R03
			IL	LINOIS	FED.	AIC	PROJECT		

				CONS	TRUCTION CO	DE
				100% STATE	100% STATE	100% STATE
			_	CONT. MAINT	MCHDF	нтмсв
				NONE	NONE	NONE
CODE			IOIAL	0021	0021	0021
NO .	I TEM	UNIT	QUANTITY	NONE	NONE	NONE
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	162.5	162.5		
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	4	2	-
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	5	4	1	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9	8	1	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	83	65	18	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	25	5	20	
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	3	2	
				,		
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	5	3	2	
	LEVEL 3					
67100100	MOBILIZATION	L SUM	1	0.33	0.34	0.33
X0325972	CABLE GUARD POST	EACH	340			340
				-		
X0326466	HIGH TENSION CABLE POST REPAIR	EACH	80			80
X0326468	MEDIAN CABLE	FOOT	300			300
X6300210	GUARDRAIL BLOCKS	EACH	785	400	385	
X6300215	RAIL ELEMENT PLATES	EACH	510	200	310	

FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
pw:\\ildot-pw.bentley.com:PWIDOT\Document	s\IDOT Offices\District 8\Projects\D876R03\0	AФGAANCADsheets\D876R03-sht-500.dgn	REVISED -
	PLOT SCALE = 100.0000 '/ 10.	CHECKED -	REVISED -
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -

STAT	E 01	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

		SUMMA	RY OF O	UANTITIES	
SCALE: NONE	SHEET	0F	SHEETS	STA.	TO STA.

F.A. RTE			SECTION		COUNTY	,	TOTAL	SHEET NO.
VARIOUS	DIST	8	GUARDRAIL	2023-1	VARIOU:	5	12	3
		CONTR	AC T	NO. 7	6R03			
			ILLIN0	IS FED. A	ID PROJECT			

				CONS	TRUCTION CO	DE
				100% STATE		100% STATE
		_	г	CONT. MAINT	MCHDF	HTMCB_
CODE			10101	NONE	NONE	NONE
CODE NO .	LTEM	LINIT	QUANTITY	0021 NONE	0021 NONE	0021 NONE
NO.	ITEM	UNIT	QUANTITI	NONE	NONE	NONE
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	50	25	25	
X6300220	EXTRUDER HEAD	EACH	15	10	5	
70300220	EXTRODER FIEAD	LACIT	13	10	,	
X6300225	SINGLE END SECTION	EACH	3	2	1	
						_
V6200221	STEEL POST, ATTACHED TO STRUCTURES	EACH	7	3	4	
X0300231	STEEL POST, ATTACHED TO STRUCTURES	LACIT	,		4	
X6300236	STEEL POSTS 6'	EACH	625	300	325	
V6200220	STEEL POSTS 9'	EACH	250	100	150	
A0300239	SIEEL FOSIS 9	EACH	230	100	130	
X6331110	STEEL POSTS, SPECIAL	EACH	12	10	2	
		-				
X6430210	REMOVE AND REINSTALL IMPACT ATTENUATORS	EACH	85	20	65	
X043UZ1U	REMOVE AND RETUSTALL IMPACT ATTENUATORS	EACH	0.5		65	
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	296	176	120	
V 7011006	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY,	E 04:11	:)75	1.75	100	100
X7011836	CALL OUT WORK	EACH —	375	1/5	100	100
X8030110	LOCATING UNDERGROUND CABLE, SPECIAL	EACH	7	5	2	
Z0029655	HIGH TENGLON CARLE DOAD CHARDROCT	EACH	025			935
Z0029000	HIGH TENSION CABLE ROAD GUARDPOST	EACH	825	_	_	825
Z0029657	HIGH TENSION CABLE SYSTEM MAINTENANCE	EACH	35			35
70020650	DEDAID TRAFFIC DARRIED TERMINAL TYPE 1 CRECIAL POST	FACU	70	1.4	6.5	
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	79	14	65	

FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
pw:\\:ldot-pw.bentley.com:PWIDOT\Document	s\1DOT Offices\District 8\Projects\D876R03\0	ADDAAWCADsheets\D876R03-sht-S00.dgn	REVISED -
	PLOT SCALE = 100.0000 ' / 10.	CHECKED -	REVISED -
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -

		SUMMA	RY OF O	UANTITIES	5	
						٧
						ϗ
CALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	I

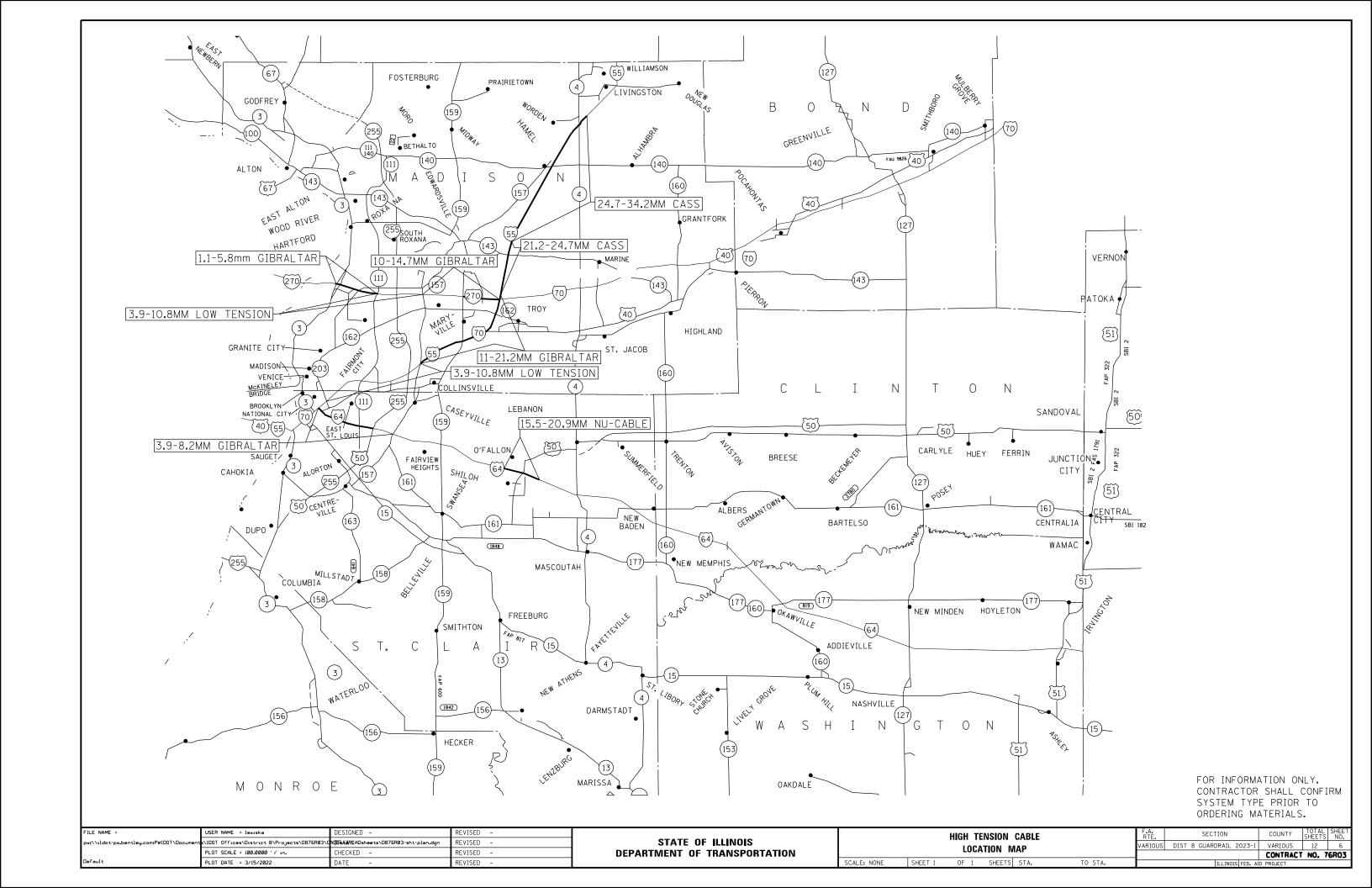
F.A. RTE.			SECTION		COUNT	Υ	TOTAL SHEETS	SHEE
VARIOUS	DIST	8	GUARDRAIL	2023-1	VARIOU	JS	12	4
		CONTR	RACT	NO. 7	6R03			
			ILLINO	IS FED. A	ID PROJECT			

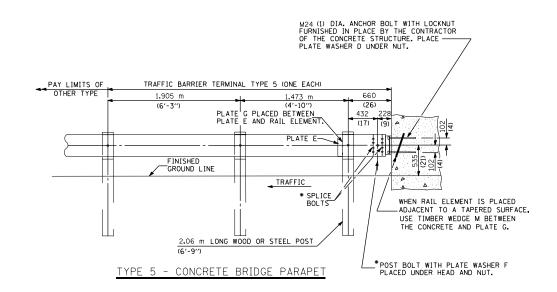
				CONS	TRUCTION CO	DE
				100% STATE	100% STATE	100% STATE
				CONT. MAINT	MCHDF	НТМСВ
				NONE	NONE	NONE
CODE			TOTAL	0021	0021	0021
NO.	ITEM	UNIT	QUANTITY	NONE	NONE	NONE
Z0029662	REPLACE HIGH TENSION CABLE GUARDPOST FOUNDATION	EACH	75			75
70050440	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL	5.00				
Z0052410	(TANGENT)	EACH	84	44	40	
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL	EACH	12	10	2	
	(FLARED)					
Z0052600	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	9	5	4	
Z0052800	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 3A	EACH	7	5	2	
Z0053000	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	4	2	2	
Z0053200	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	7	5	2	
Z0059660	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - RAIL ELEMENT PLATE	EACH	27	7	20	

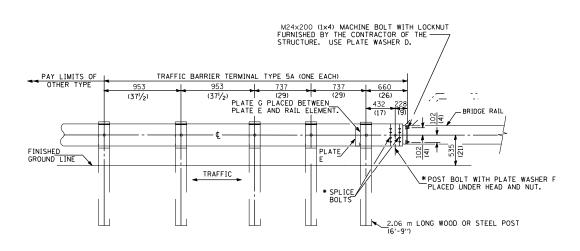
- 1	FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -
- 1	pw:\\ildot-pw.bentley.com:PWIDOT\Document	s\IDOT Offices\District 8\Projects\D876R03\C	Aመቡልል₩¢ADsheets\D876R03-sht-S00.dgn	REVISED -
- 1		PLOT SCALE = 100.0000 ' / 10.	CHECKED -	REVISED -
l	Default	PLOT DATE = 3/15/2022	DATE -	REVISED -

			SUMMA	RY OF O	UANTITIES		
LE: NONE SHEET OF SHEETS STA. TO STA.	LE: NONE	SHEET	OF	SHEETS	STA.	TO STA.	

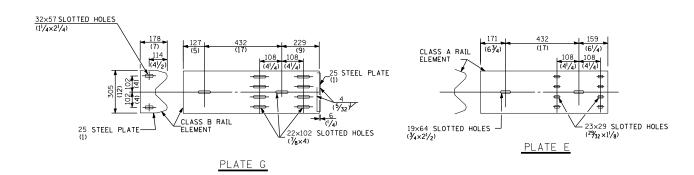
F.A. RTE.			SECTION	N			COUNTY	TOTAL SHEETS	SHEE.
VARIOUS	DIST	8	GUARDRA	Τ	VARIOUS	12	5		
						Τ	CONTRACT	NO. 7	'6R03
			ILL:	INOIS	S FED. /	ΔID	PROJECT		

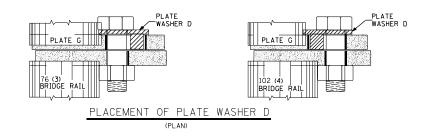






TYPE 5A - STEEL BRIDGE RAIL



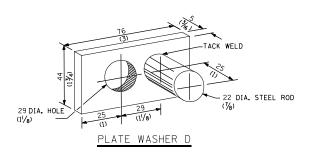


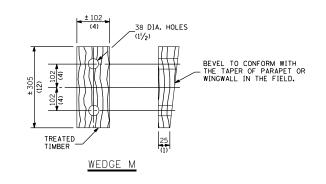
### GENERAL NOTES

INSTALL PLATE WASHER D SO THAT THE 25 mm (1") PROJECTION FILLS THE REMAINDER OF THE SLOTTED HOLES IN THE 25 mm (1") END PLATE ON PLATE G AFTER THE M24 (1") DIA. BOLTS ARE IN PLACE.

\* BOLTS SHALL BE PROVIDED WITH LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW PLATE G TO BE FREE TO MOVE WHEN AN EXPANSION JOINT EXISTS BELOW THE CONNECTOR.

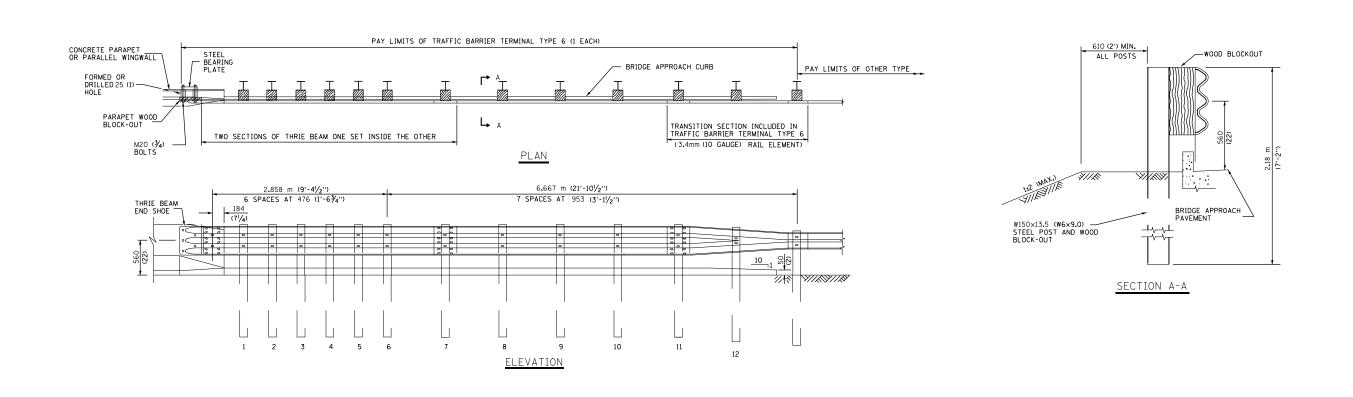
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



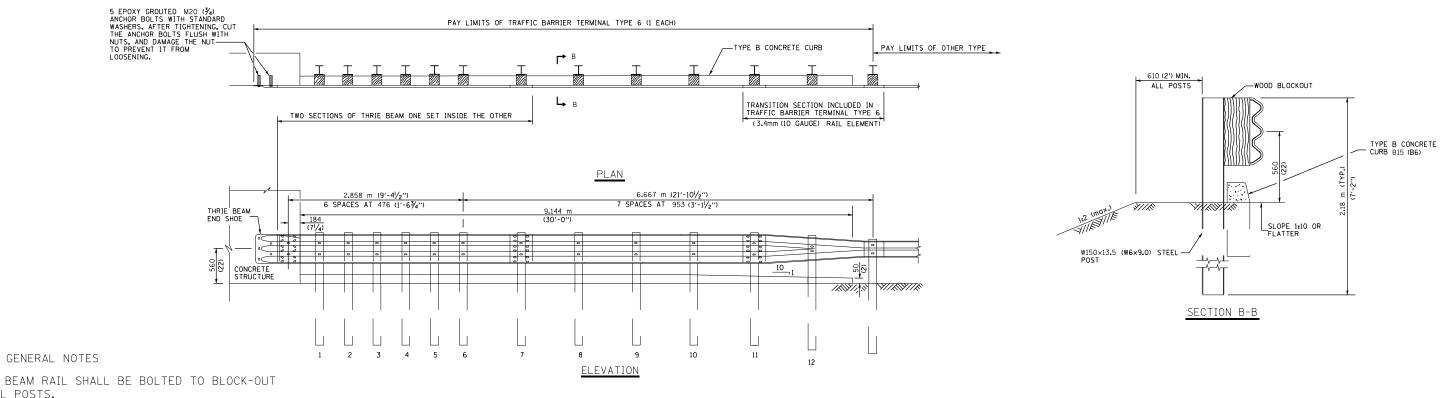


FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -		TRAFFIC BARRIER TERMINAL			F.A. S	SECTION	COUNTY	TOTAL SHE
pw:\\ildot-pw.bentley.com:PWIDOT\Documen:	s\IDOT Offices\District 8\Projects\D876R03\C	AQQAAW¢ADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS		TYPE 5 & 5A		VARIOUS DIST 8 GU	UARDRAIL 2023-1	VARIOUS	12
	PLOT SCALE = 100.0000 ' / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ITPE D & JA				CONTRACT	NO. 76Rf
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.				ID PROJECT		





OTHER CONCRETE STRUCTURE

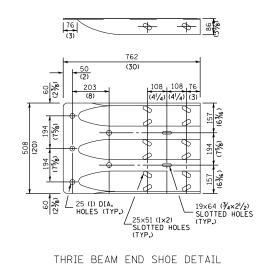


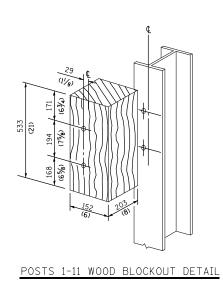
THRIE BEAM RAIL SHALL BE BOLTED TO BLOCK-OUT AT ALL POSTS.

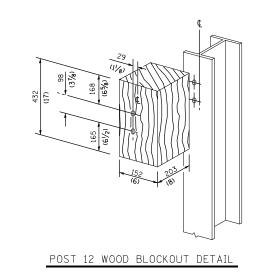
ALL SLOPE RATIOS ARE EXPRESSED AS UNITS

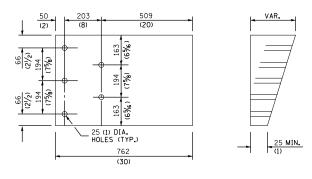
OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

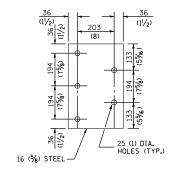
FIL	E NAME =	USER NAME = lewiska	DESIGNED -	REVISED -			TRAFFIC BARRIER		F.A.	SECTION	COUNTY	SHEETS NO.	ч
pw:	:\\ildot-pw.bentley.com:PWIDOT\Document	s\IDOT Offices\District 8\Projects\D876R03\C	ADGAWCADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS				VARIOUS DIST	8 GUARDRAIL 2023-1	VARIOUS	12 8	1
		PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TERMINAL, TYPE 6		77412000 5107	0 00////01///12 2020 1	CONTRACT	NO. 76RO3	Л
Def	fault	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		









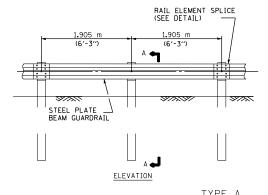


PARAPET WOOD BLOCK-OUT DETAIL

PARAPET STEEL BEARING PLATE DETAIL

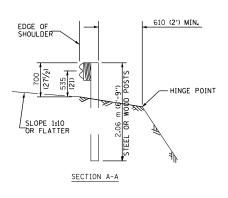
(5 EACH INDIVIDUAL125×125×16 (5×5×%) STEEL
PLATES WITH CENTERED 25 (1)HOLES MAY BE
SUBSTITUTED FOR THE PLATE SHOWN.)

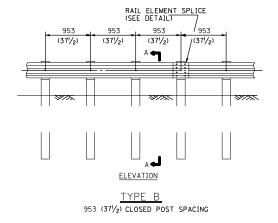
FILE NAME =	USER NAME = lewiske	DESIGNED -	REVISED -			TRAFFIC BARRIER		F.A.	SECTION	COUNTY	TOTAL SH	EET
pw:\\ildot-pw.bentley.com:PWIDOT\Documen:	s\IDOT Offices\District 8\Projects\D876R03\C	AQQAAW¢ADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS				VARIOUS DIST 8	GUARDRAIL 2023-1	VARIOUS	12	9
	PLOT SCALE = 100.0000 '/ 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TERMINAL, TYPE 6				CONTRACT	NO. 761	03
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE	SHEET 2 OF 2 SHEETS STA.	TO STA.			D PROJECT		

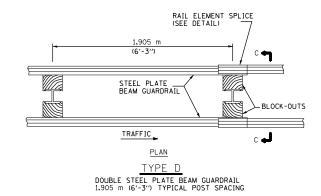


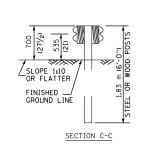
TYPE A

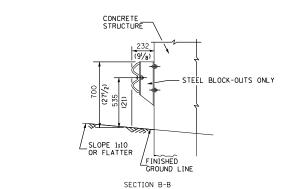
1.905 m (6'-3") TYPICAL POST SPACING

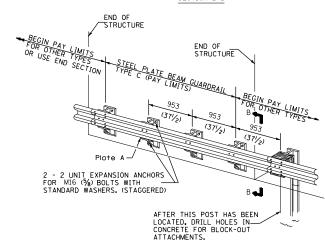












ALL SLOPE RATIOS ARE EXPRESSED AS UNITS

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)

OF VERTICAL DISPLACEMENT TO UNITS OF

HORIZONTAL DISPLACEMENT (V:H).

THE EXISTING STEEL POSTS MAY BE

DRILLED TO MATCH THE BOLT PATTERN

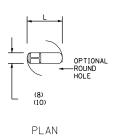
SHOWN HEREIN FOR THE WOOD BLOCK-OUT,

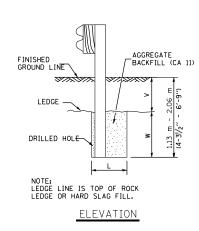
OR A NEW STEEL POST SHALL BE PROVIDED.

UNLESS OTHERWISE SHOWN.

TYPE C
953 (371/2) BLOCK-OUT SPACING

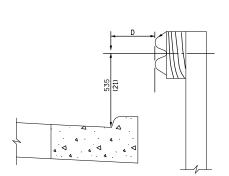
GENERAL NOTES





FOOTING FOR POST WHEN IMPERVIOUS

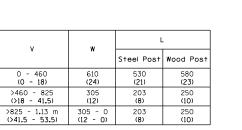
MATERIAL IS ENCOUNTERED

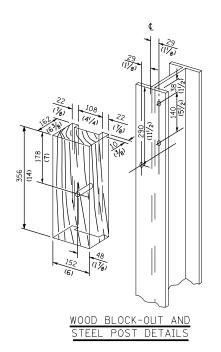


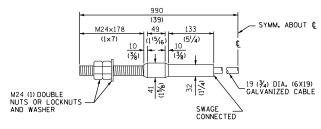
Note: IF IT IS NECESSARY FOR D TO BE MORE THAN 300 (12)AND LESS THAN 3.0 m (10'-0') TYPE M-5 (M-2)CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

GUARDRAIL PLACED BEHIND CURB

(D = 0 DESIRABLE TO 300 (12) MAXIMUM)

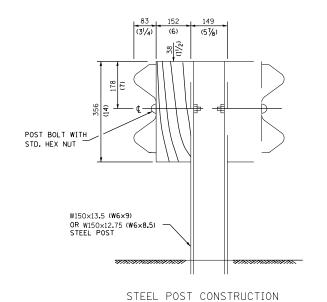


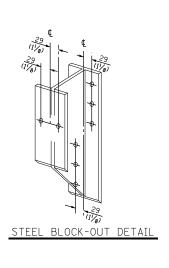


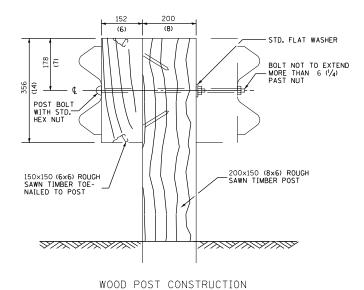


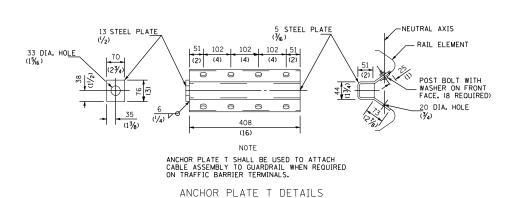
CABLE ASSEMBLY
(18,100 kg (40,000 LBS.) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION.

FILE NAME =	USER NAME = lewiske	DESIGNED -	REVISED -		STEEL PLATE BEAM GUARDRAIL			F.A.	SECTION	COUNTY	TOTAL SHEET			
pw:\\ildot-pw.bentley.com:PWIDOT\Documen	s\IDOT Offices\District 8\Projects\D876R03\C	ADDAAWYCADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS		0.1	LL I LAIL	DEAM	GOANDIIAIL		VARIOUS	DIST 8 GUARDRAIL 2023-1	VARIOUS	12 10
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								'	CONTRAC	T NO. 76RO3
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE	SHEET 1	0F 2	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT	







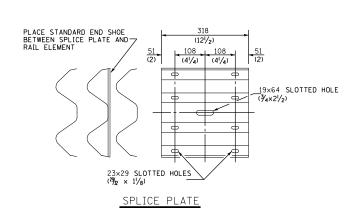


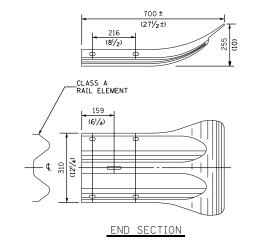
19 DIA. HOLE (3/4)

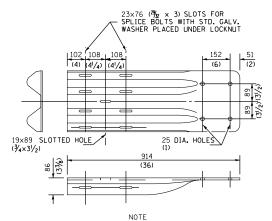
PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

NOTE

PLATE A





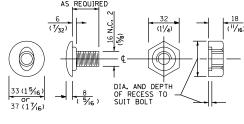


WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

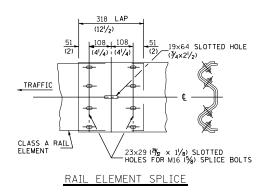
THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

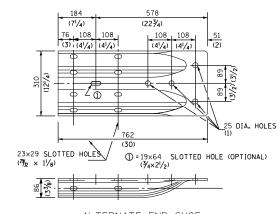
EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.

END SHOE



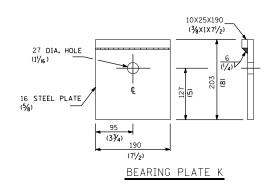


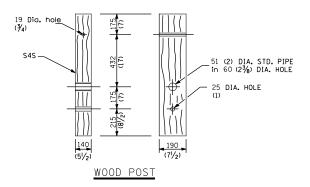


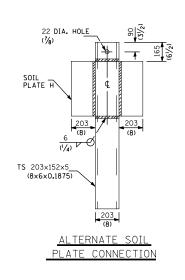


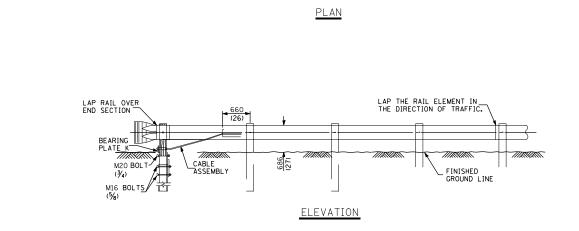
|--|

FILE NAME =	USER NAME = lewiske	DESIGNED -	REVISED -		STEEL PLATE BEAM GUARDRAIL		F.A.	SECTION	COUNTY	TOTAL SHEET
pw:\\ildot-pw.bentley.com:PWIDOT\Documen	s\IDOT Offices\District 8\Projects\D876R03\C	ADDAAWCADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS	STEEL TEATE BEAM GOARDIALE		VARIOUS DIST 8	B GUARDRAIL 2023-1	VARIOUS	12 11
	PLOT SCALE = 100.0000 '/ 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 76RO3
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE SHEET 2 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED. A	D PROJECT	





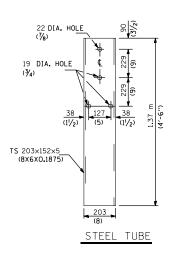




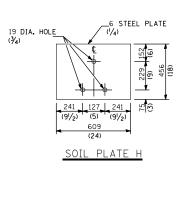
USE PLATE WASHER F

TYPICAL POST SPACING OR CLOSED POST SPACING. STEEL POSTS SHOWN, WOOD POSTS PERMITTED

TRAFFIC BARRIER TERMINAL TYPE 2 (1 EACH)



WOOD POST INSERTED IN STEEL TUBE.



PAY LIMITS OF STEEL PLATE BEAM
GUARDRAIL TYPE A OR TYPE B

TRAFFIC FLOW

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL

SYSTEM USED PRIOR TO JANUARY 1, 2007.

FOR DETAILS ON THE MIDWEST GUARDRAIL

SYSTEM, SEE STANDARD 630001.

GENERAL NOTES

USE PLATE WASHER F AT ALL POSTS. 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 DIMENSIONS ARE IN MILLIMETERS (INCHES)

UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = lewiska	DESIGNED -	REVISED -			TRAFFIC BARRI	IFR	F.A.	SECTION	COUNTY	TOTAL SHEET
pw:\\ildot-pw.bentley.com:PWIDOT\Document	NIDOT Offices\District 8\Projects\D876R03\C	ADDGAWY¢ADsheets\D876R03-sht-plan.dgn	REVISED -	STATE OF ILLINOIS				VARIOUS	DIST 8 GUARDRAIL 2023-1	VARIOUS	12 12
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TERMINAL TYP	E Z			CONTRACT	NO. 76RO3
Default	PLOT DATE = 3/15/2022	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA	. TO STA.	$\overline{}$	ILLINOIS FED. AIT	D PROJECT	