06-15-2018 LETTING ITEM 076

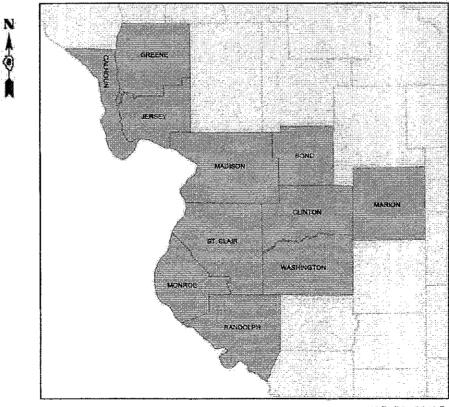
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION DIST 8 GUARDRAIL 2019–1 SAFETY ITEM REPAIR VARIOUS COUNTIES

C-98-239-18



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.

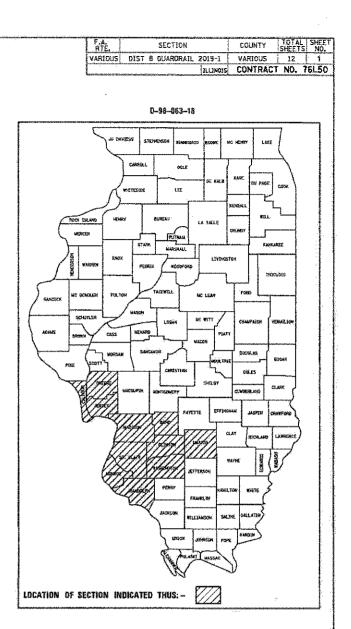
J.U.L.LE. Joint Utility Location information for excavation 1–800–892–0123 Or 811

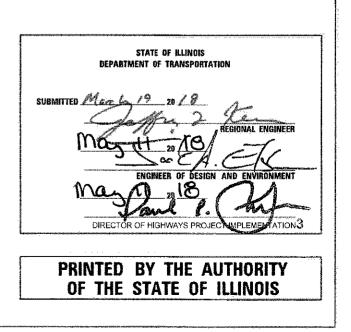
PROJECT ENGINEER: HERVE GELIN (618) 346–3179 SQUAD LEADER: BILLIE OWEN (618) 346–3209

CONTRACT NO. 76L50

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INDEX OF SHEETS

1.	COVER	SHEET

- 2. INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3.-5. SUMMARY OF QUANTITIES6. HIGH TENSION CABLE LOCATION MAP
- 7.-12. GUARDRAIL DETAILS
- 1.-12. GUARDRAIL DETAI

GENERAL NOTES

- 1. 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.
- 2. 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.
- 4. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE LISTED IN THE PLANS AND CONTRACT DOCUMENTS.
- 5. ALL REFLECTORS SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER. COST OF REFLECTORS TO BE INCLUDED IN THE GUARDRAIL PAY ITEMS.
- 6. 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.
- 7. 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.
- 8. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL CONFIRM THE TYPES AND SPECIFIC MANUFACTURER FOR THE GUARDRAIL AND CABLE REPAIRS REQUIRED.
- 9. 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.
- 10. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- 11. 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.
- 12. 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.
- 13. 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 PLOGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

FILE NAME =	USER NAME = leej	DESIGNED -	REVISED -			INDEX OF SHEETS, HIGHWAY STANDARDS	F.A.	SECTION	COUNTY TOT	JTAL SHEET	
pw://ILØ84EBIDINTEG.111:no1s.gov:PWIDOT/Do	cuments\IDOT Offices\District 8\Projects\D87	6L DRAWN Data\&ADsheets\D87650-sht-genno	∍.Rg√ISED –	STATE OF ILLINOIS		GENERAL NOTES AND COMMITMENTS	VARIOUS	DIST 8 GUARDRAIL 2019-1	VARIOUS 12	12 2	
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HIGHWAY STANDARDS

COMMITMENTS NONE

			100% STATE	
CODE NO.	ITEM	UNIT		CONT. MAIN 0021
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	162.5	162.5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7	4
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	5	4
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9	8
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	83	65
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	25	5
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	3
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	5	3
67100100	MOBILIZATION	LSUM	1	0.33
X0325972	CABLE GUARD POST	EACH	340	
X0326466	HIGH TENSION CABLE POST REPAIR	EACH	80	
X0326468	MEDIAN CABLE	FOOT	300	
X6300210	GUARDRAIL BLOCKS	EACH	785	400
X6300215	RAIL ELEMENT PLATES	EACH	510	200

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	PLOT SCALE = 100.0000 '/ in.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 76L50
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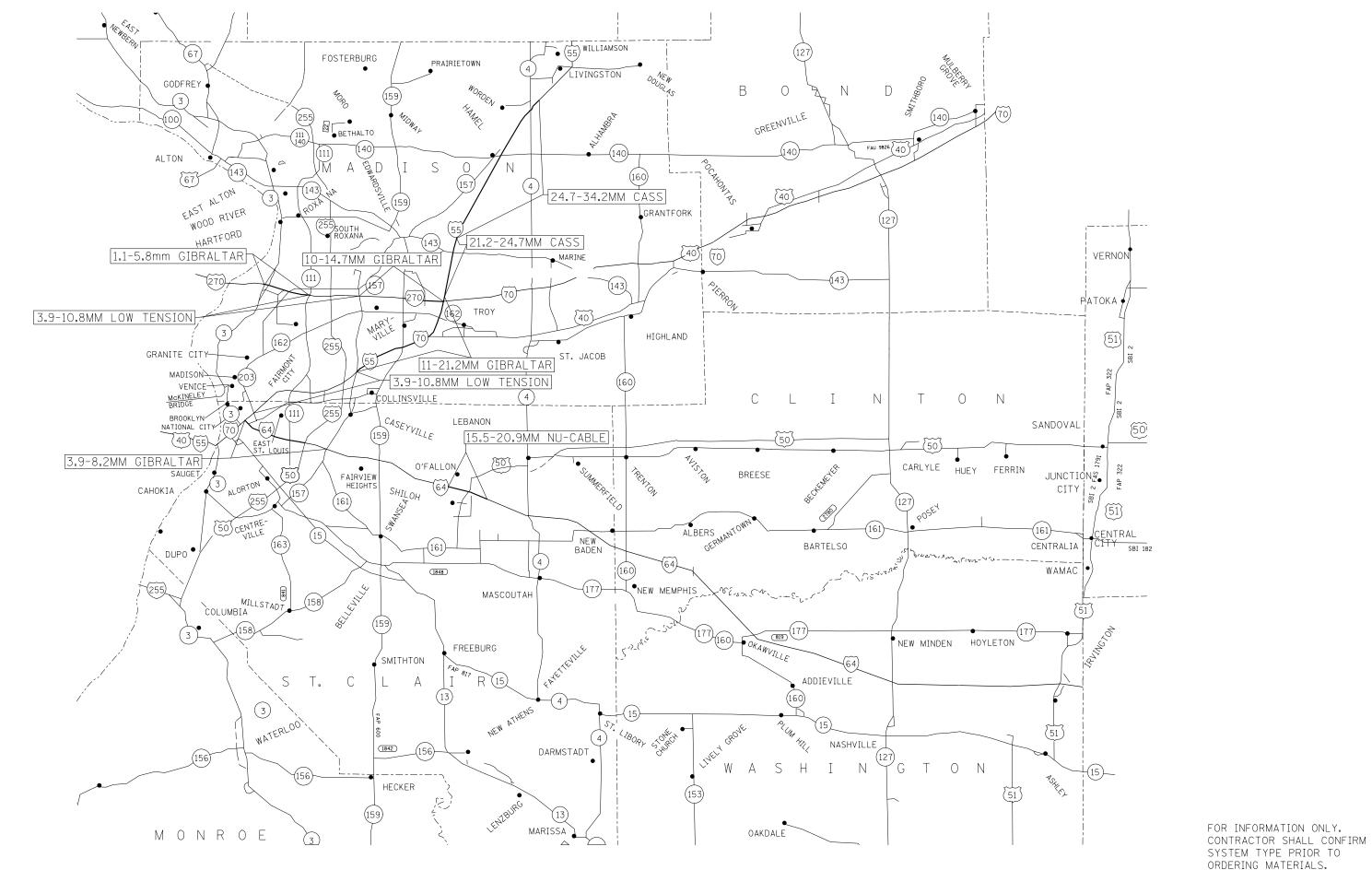
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MCHDF 0021	HTMCB 0021
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0.34	0.33
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	80
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310	

					ISTRUCTION CO	
CODE			100% STATE TOTAL	CONT. MAINT 0021	MCHDF 0021	HTMCE
NO.	ITEM	UNIT				
K6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	50	25	25	
K6300220	EXTRUDER HEAD	EACH	15	10	5	
x6300225	SINGLE END SECTION	EACH	3	2	1	
X6300231	STEEL POST, ATTACHED TO STRUCTURES	EACH	7	3	4	
×6300236	STEEL POSTS 6'	EACH	625	300	325	
K6300239	STEEL POSTS 9'	EACH	250	100	150	
X6330310	REMOVE AND REINSTALL EXTRUDER HEAD	EACH	10	5	5	
K6331(110	STEEL POSTS, SPECIAL	EACH	12	10	2	
X6430210	REMOVE AND REINSTALL IMPACT ATTENUATORS	EACH	85	20	65	
X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	296	176	120	
K7011836	TRAFFIC CONTROL AND PROTECTION, FREEWAY/EXPRESSWAY, CALL OUT WORK	EACH	375	175	100	100
x8030110	LOCATING UNDERGROUND CABLE, SPECIAL	EACH	7	5	2	
Z0029655	HIGH TENSION CABLE ROAD GUARDPOST	EACH	825			825
Z0029657	HIGH TENSION CABLE SYSTEM MAINTENANCE	EACH	35			35

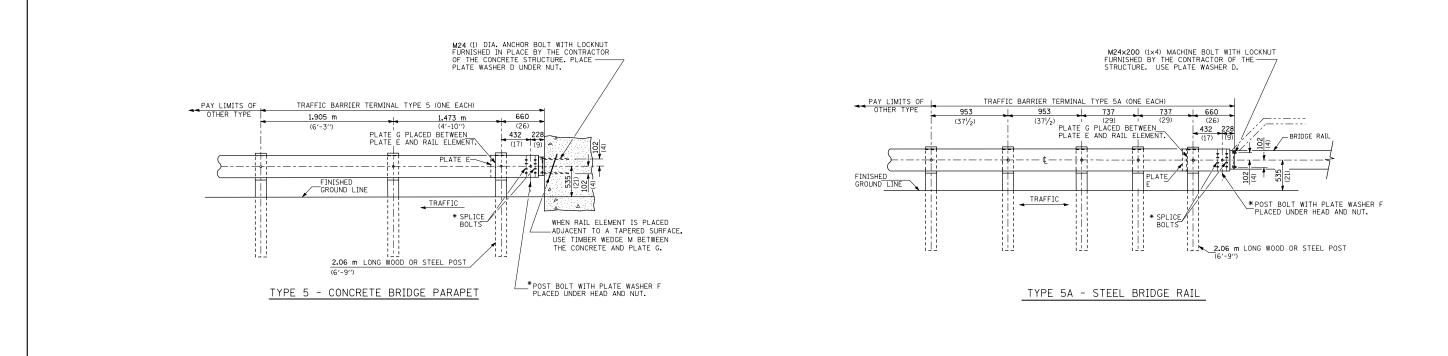
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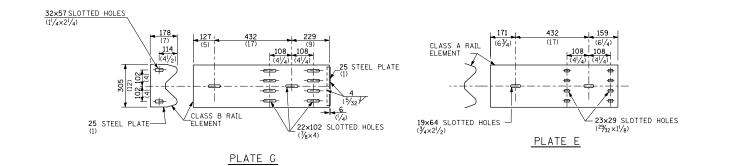
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•			100% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONT. MAINT 0021	MCHDF 0021	HTMCB 0021
Z0029658	REPAIR TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL - POST	EACH	79	14	65	
Z0029662	REPLACE HIGH TENSION CABLE GUARDPOST FOUNDATION	EACH	75			75
Z0052410	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	84	44	40	
Z0052415	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	12	10	2	
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	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000		
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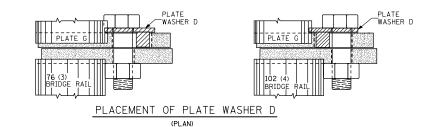
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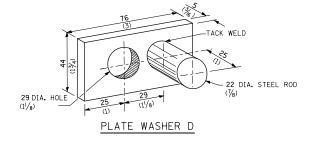


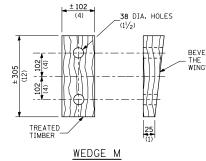
GENERAL NOTES

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.



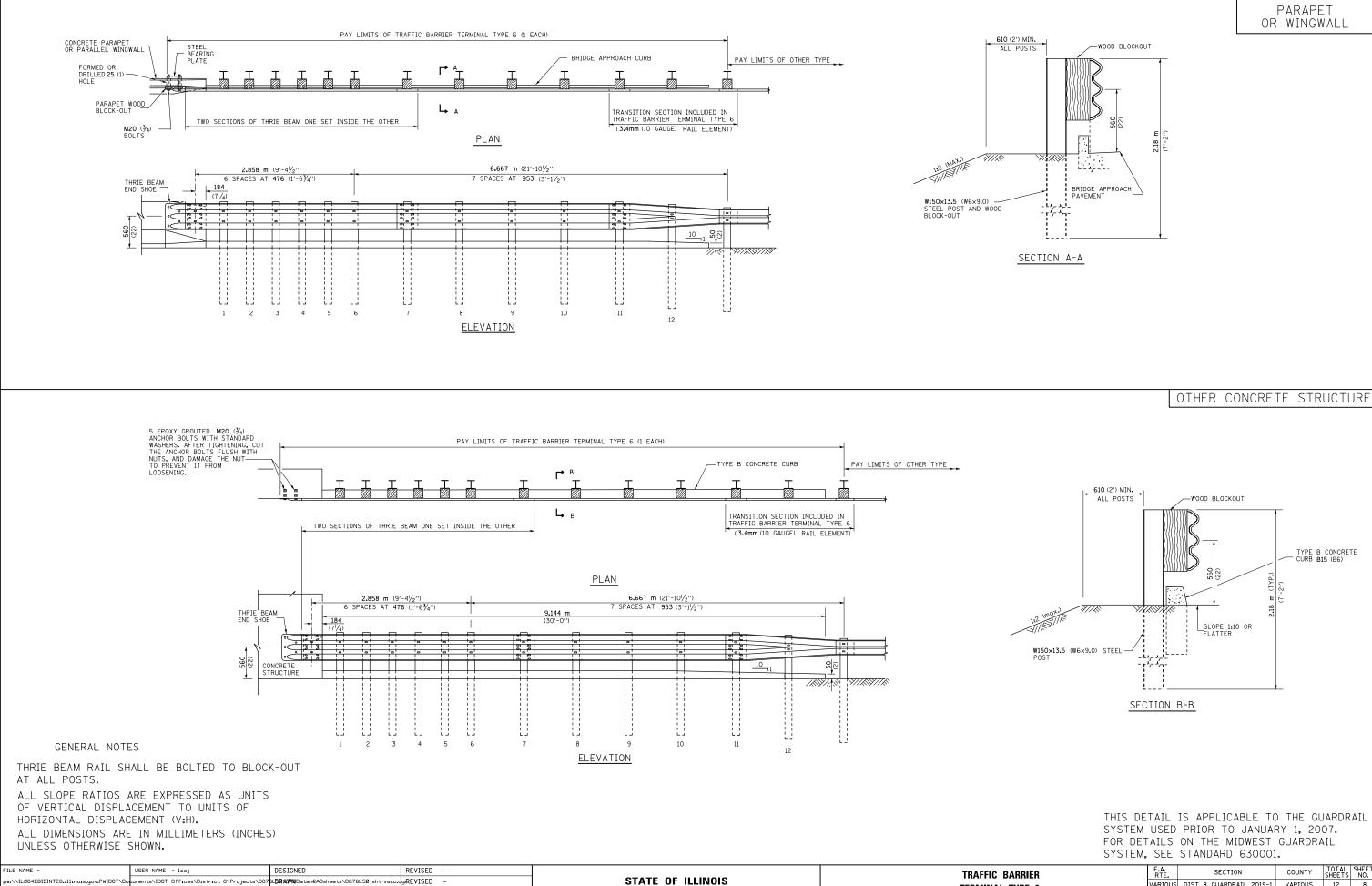


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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TYPE 5 & 5A	CONTRACT NO. 76L			
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L TO CONFORM WITH

BEVEL TO CONFORM WITH - THE TAPER OF PARAPET OR WINGWALL IN THE FIELD.

> THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.



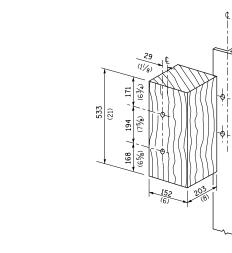
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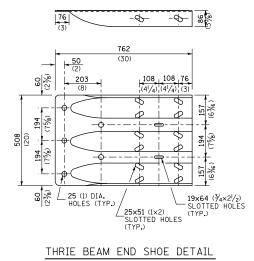
Default

SCALE: NONE SHEET 1 OF 2 SHEET

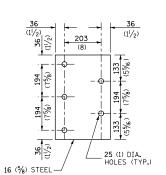
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL
SYSTEM USED PRIOR TO JANUARY 1, 2007.
FOR DETAILS ON THE MIDWEST GUARDRAIL
SYSTEM, SEE STANDARD 630001.

TRAFFIC BARRIER TERMINAL, TYPE 6					F.A. RTE.			SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
					VARIOUS	DIST	8	GUARDRAIL	2019-1	VARIOUS	12	8
										CONTRACT	NO. 7	6L50
۶F	2	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT						



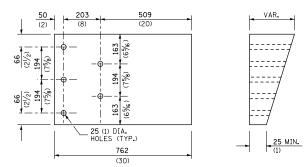




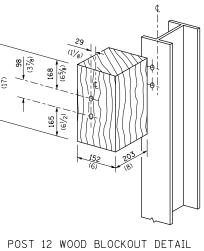


PARAPET STEEL BEARING PLATE DETAIL (5 EACH INDIVIDUAL125x125x16 (5x5x5%) STEEL PLATES WITH CENTERED 25 (1)HOLES MAY BE SUBSTITUTED FOR THE PLATE SHOWN.)

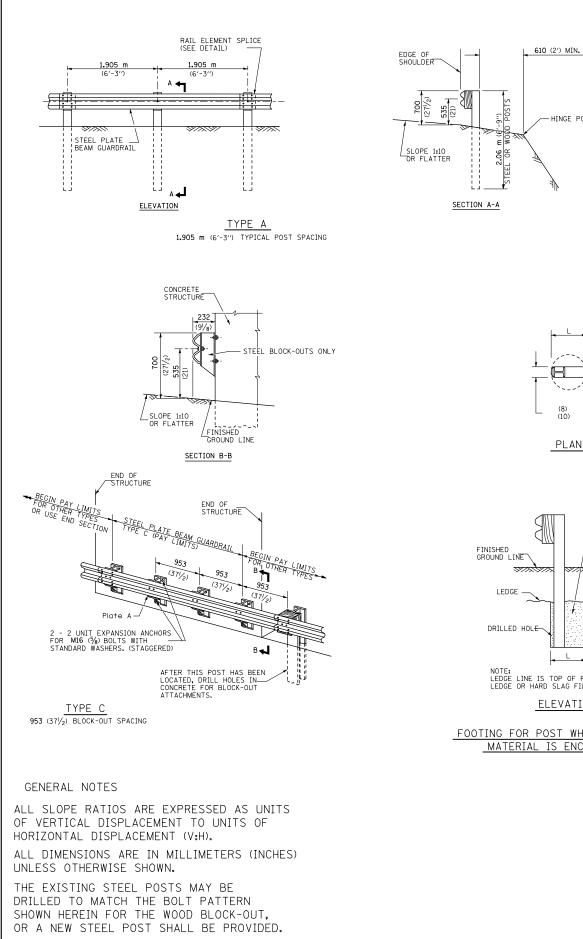
								DETAILS ON THE MIDWEST EM, SEE STANDARD 630003	
FILE NAME =	USER NAME = leej	DESIGNED -	REVISED -			TRAFFIC BARRIER		F.A. SECTION	COUNTY TOTAL SHEET
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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED –	DEPARTMENT OF TRANSPORTATION		TERIVIINAL, TYPE 6		·	CONTRACT NO. 76L50
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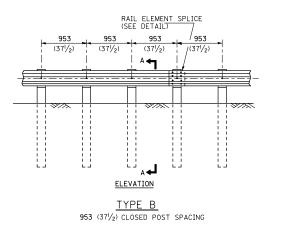


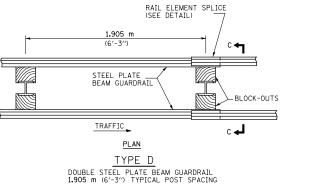
PARAPET WOOD BLOCK-OUT DETAIL

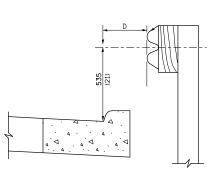


THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007.







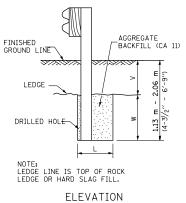


Note IF IT IS NECESSARY FOR D TO BE MORE THAN 300 (12)AND LESS THAN 3.0 m (10'-0'') TYPE M-5 (M-2) CURB AND GUTTER (STD, 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

> GUARDRAIL PLACED BEHIND CURB (D = 0 DESIRABLE TO 300 (12) MAXIMUM)

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

FILE NAME = DESIGNED -REVISED USER NAME = leej STEEL PLATE BEAN STATE OF ILLINOIS ow://ILØ84EBIDINTEG.1111no15.gov:PWIDOT/Do uments\IDOT_Offices\District_8\Projects\D876U**38WWW**Data\&ADsheets\D876L50-sht-mis giREVISED PLOT SCALE = 100.0000 ′ / in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** Default SCALE: NONE SHEET 1 OF 2 SHEET PLOT DATE = 2/16/2018 DATE REVISED



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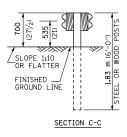
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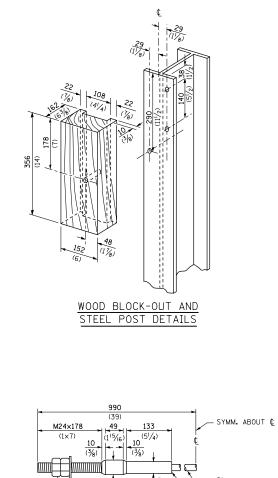
PLAN

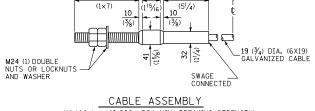
OPTIONAL —ROUND HOLE

HINGE POINT

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



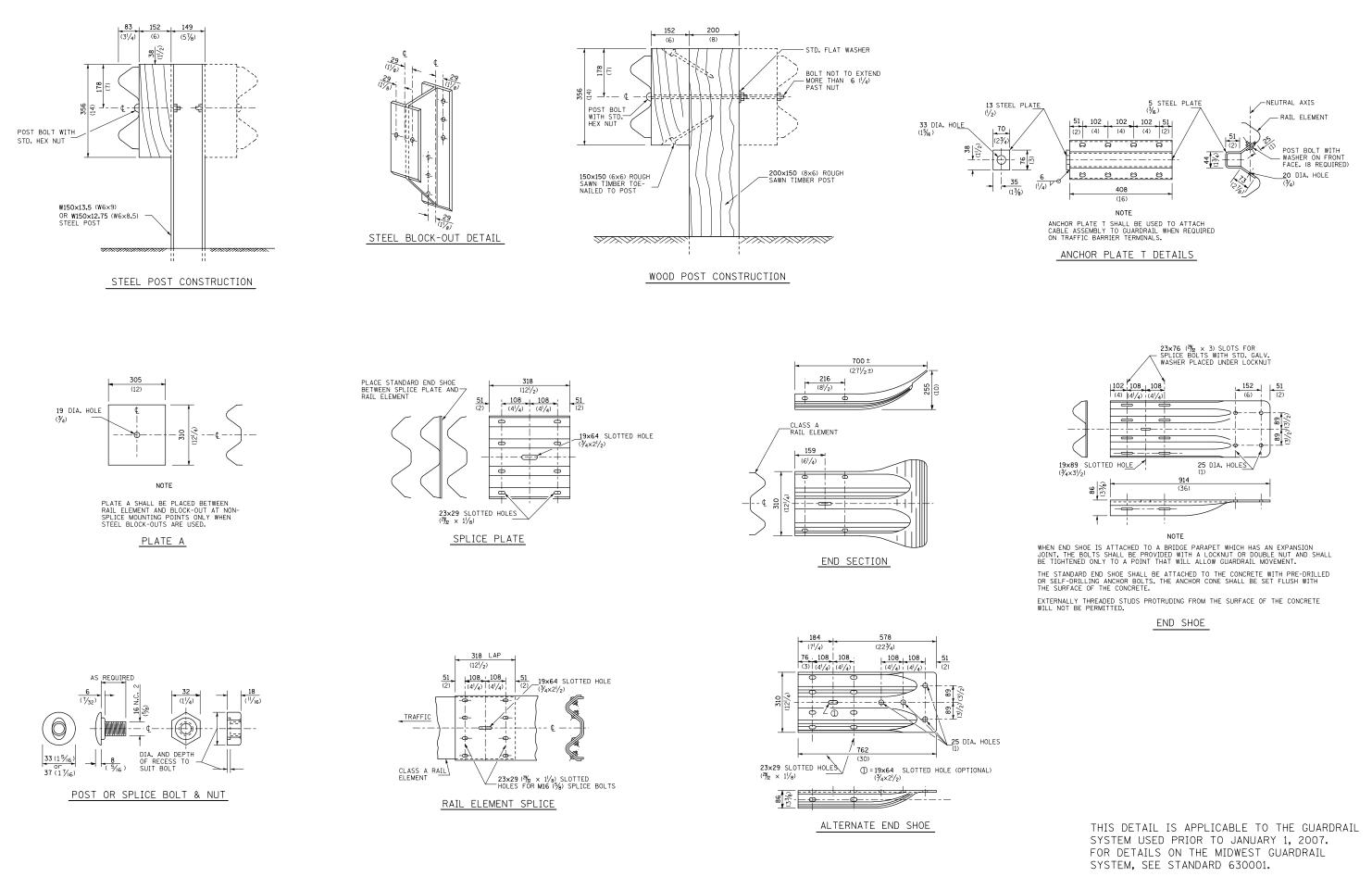




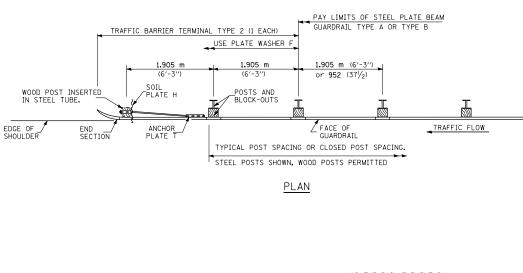


THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

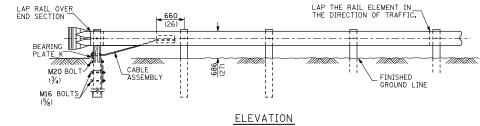
M GUARDRAIL			F.A. RTE.			SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
			VARIOUS	DIST	8	GUARDRAI	L 2	019-1	VARIOUS	12	10
									CONTRACT	NO. 7	6L50
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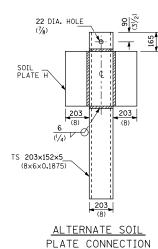


FILE NAME =	USER NAME = leej	DESIGNED -	REVISED -			STEEL PLATE BEAM GUARDRA	1	F.A. RTF.	SECTION	COUNTY	TOTAL SHEE
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	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				_		CONTRACT	NO. 76L50
Default	PLOT DATE = 2/16/2018	DATE –	REVISED -		SCALE: NONE	SHEET 2 OF 2 SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	









10X25X190 (3/8X1X71/2)

(5)

BEARING PLATE K

►(-)-

190

(7½)

95 (3³⁄₄)

175

432

215 175 (8/2) (7)

WOOD POST

140 (5¹/2)

(1/4)

51 (2) DIA. STD. PIPE in 60 (23%) DIA. HOLE

25 DIA. HOLE

(1)

190 (7¹/₂)

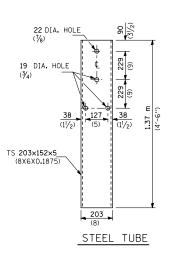
(8)

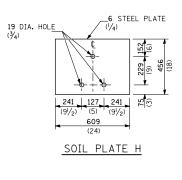
27 DIA. HOLE

16 STEEL PLATE

19 Dia, ho<u>le</u> (¾)

S45-





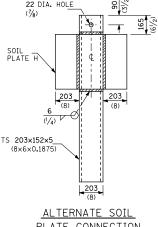
GENERAL NOTES

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 = leej	DESIGNED -	REVISED -			TRAFFIC BARRIER		F.A. SECTION	COUNTY TOT	OTAL SHEET
pw:\\ILØ84EBIDINTEG.1llinois.gov:PWIDOT\Do	cuments\IDOT Offices\District 8\Projects\D87	6L DRAVAN Data\&ADsheets\D876L50-sht-misc.	gREVISED -	STATE OF ILLINOIS		TERMINAL TYPE 2		ARIOUS DIST 8 GUARDRAIL 2019-1	VARIOUS 12	12 12
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO	NO. 76L50
Default	PLOT DATE = 2/16/2018	DATE –	REVISED -	SCAL		SHEET 1 OF 1 SHEETS STA.	TO STA.	ILLINOIS FED.	AID PROJECT	



THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.