04-25-14 LETTING ITEM 053

FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3–6

STATE OF ILLINOIS

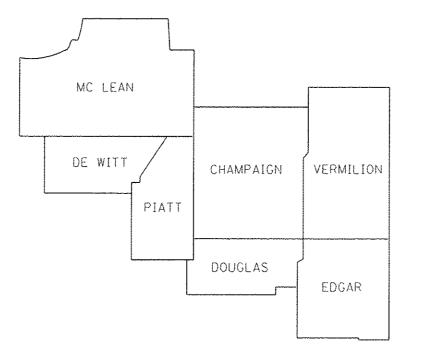
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

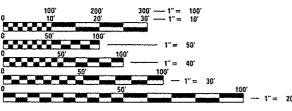
VARIOUS ROUTES SECTION D5 GUARDRAIL & FENCE REPAIR-2015 GUARDRAIL & FENCE REPAIR VARIOUS COUNTIES

C-95-015-14



N

(6)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

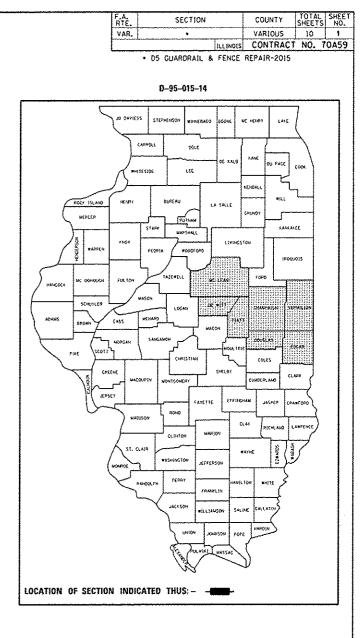
PROJECT ENGINEER JASON STULTS PHONE NUMBER: (217) 465–4181

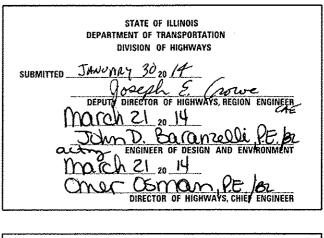
CONTRACT NO. 70A59

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PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO. 1 2 2 2 3-6 7-10

DESCRIPTION COVER SHEET INDEX OF SHEETS HIGHWAY STANDARDS GENERAL NOTES SUMMARY OF QUANTITIES PLAN DETAILS

GENERAL NOTES

G. N. -100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-631

IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

NO COMMITMENTS

HIGHWAY STANDARDS

STANDARD_NUMBER 000001-06	
001006	
630001-10	
630101-09	
630201-06	
630301-06	
631011-09	
631026-05	
631031-12	
631032-08	
631033-05	
631046-04	
635006-03	
635011-02	
643001-02	
664001-02	
665001-02	
701001-02	
701006-05	
701101-04	
701106-02	
701201-04	
701206-03 701301-04	
701400-07	
701401-08	
701406-08	
701411-08	
701421-06	
701422-06	
701456-03	
701428	
701501-06	
701502-06	
701601-09	
701602-07	
701606-09	
701701-09	
701901-03	

NAME OF STANDARD
STANDARD SYMBOLS, ABBREVIATIO
DECIMAL OF AN INCH AND OF A FO
STEEL PLATE BEAM GUARDRAIL
GUARDRAIL MOUNTED ON EXISTING
PCC/HMA STABILIZATION AT STEE
SHOUDLER WIDENING FOR TYPE 1
TRAFFIC BARRIER TERMINAL, TYP
TRAFFIC BARRIER TERMINAL, TYP
TRAFFIC BARRIER TERMINAL, TYP TRAFFIC BARRIER TERMINAL, TYP
TRAFFIC BARRIER TERMINAL, TYP
TRAFFIC BARRIER TERMINAL, TYP
TRAFFIC BARRIER TERMINAL, TYP
REFLECTOR AND TERMINAL MARKER
REFLECTOR MARKER AND MOUNTING
SAND MODULE IMPACT ATTENUATOR
CHAIN LINK FENCE
WOVEN WIRE FENCE
OFF-ROAD OPERATIONS, 2L, 2W. M
OFF-ROAD OPERATIONS, 2L, 2W, 1
OFF-ROAD OPERATIONS, MULTILAN
OFF-ROAD OPERATIONS, MULTILAN
LANE CLOSURE, 2L, 2W, DAY ONLY,
LANE CLOSURE, 2L, 2W, NIGHT ONI
LANE CLOSURE, 2L, 2W, SHORT TIM
APPROACH TO LANE CLOSURE, FREI
LANE CLOSURE, FREEWAY/EXPRESS
LANE CLOSURE, FREEWAY/EXPRESS
LANE CLOSURE, MULTILANE, AT EN
LANE CLOSURE, MULTILANE, DAY O
LANE CLOSURE, MULTILANE, FOR S
PARTIAL EXIT RAMP CLOSURE FRE
TRAFFIC CONTROL SETUP AND REM
URBAN LANE CLOSURE, 2L, 2W, UNI
URBAN LANE CLOSURE, 2L, 2W, WIT
URBAN LANE CLOSURE, MULTILANE
URBAN LANE CLOSURE, MULTILANE URBAN LANE CLOSURE, MULTILANE URBAN LANE CLOSURE, MULTILANE
URBAN LANE CLOSURE, MULTILANE
TRAFFIC CONTROL DEVICES

FILE NAME = cs\px_vork\pxsdct\ceorlackjd\d8377785\C	USER NAME = openlockud DESIGNED - REVISED -			STATE OF ILLINOIS	INDEX OF SHEETS, HIGHWAY S				
PLOT SCALE = 42.2200 ' / 10.		CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	& GENERAL NOT				NUTES
#MODELNAMES	PLOT. DATE + 1/38/2814	DATE -	REVISED -		SCALE:	SHEET	0F	SHEETS	STA.

ONS AND PATTERNS TOO IG CULVERTS EL PLATE BEAM GUARDRAIL (SPECIAL) GUARDRAIL TERMINALS PE 2 PE 5 PE 6 PE 6A PE 68 PE 10 ER PLACEMENT NG DETAILS)RŞ MORE THAN 15' (4.5 M) AWAY 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE NE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE NE. MORE THAN 15' (4,5 M) AWAY /, FOR SPEEDS ≥ 45 MPH NLY, FOR SPEEDS ≥ 45 MPH IME OPERATIONS EEWAY/EXPRESSWAY SWAY SWAY, DAY OPERATIONS ONLY NTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH SPEEDS ≥ 45 MPH TO 55 MPH EEWAY/EXPRESSWAY MOVAL FREEWAY/EXPRESSWAY NDIVIDED TH BIDIRECTIONAL LEFT TURN LANE E, 1W OR 2W WITH NONTRAVERSABLE MEDIAN E, 2W WITH BIDIRECTIONAL LEFT TURN LANE , 2W WITH MOUNTABLE MEDIAN

INTERSECTION

			* D5 GUA	RDRAIL & FENCE	REPAIR	2015			
STANDARDS TES		F,A. RTE,	F.A. SECTION		TOTAL	SHEET NO.			
		VAR,	¢	VARIOUS	10	2			
				CONTRACT	NO.	70A59			
Α.	TO STA.		ILLINDIS FED. AID PROJECT						

LOCATION OF WORK:

VARIOUS

ROUTES

VARIOUS

COUNTIES

		CONSTRUCTION TYPE CODE:		0021	0021	0021
CODE_NO	ITEM	_UNIT	TOTAL QUANTITY	100% STATE MCHD (07MoI)	100% STATE CONTRACT MAINT (07 EOF)	100% STATE HTCB (67A0I)
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	100. 0	80. 0	20.0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5.0	4,0	1.0	
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1.0	1.0		
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1.0	1.0		
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1.0	1.0		
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1.0	1.0		
63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	1.0	1.0		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5. 0	4.0	1.0	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	5.0	4.0	1.0	-
63400105	GUARD POSTS	EACH	10.0	10.0		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW). TEST LEVEL	_ 3 EACH	1.0	1.0		
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	S EACH	1.0	1.0		
66400105	CHAIN LINK FENCE, 4'	FOOT	300.0	200.0	100.0	
66400305	CHAIN LINK FENCE, 6'	FOOT	200. 0	125.0	75.0	
11/2 FILE NAME = USER NAME = coorlook,d ci\pr.work\pridot\coorlock,d\d037705\CD72859=sht-500.dgn PLOT SCALE = 40.2020 // PMCDELNAME\$ PLOT OATE = 1/20/2014	DESIGNED - REVISED - DRAWN - REVISED - In- CHECKED - REVISED - DATE - REVISED -	STATE OF ILLINOIS PARTMENT OF TRANSPORTATION	SCALE: SHEET	SUMMARY OF QUANTITIE	S TO STA.	OS GUARDRAIL & FENCE REPAIR 2015 SECTION COUNTY TOTAL SHEETS NO. VARIOUS 10 3 CONTRACT NO. 70A59 ILLINOISIFED. AID PROJECT

VARIOUS	VARIOUS	
ROUTES	ROUTES	
VARIOUS	VARIOUS	
COUNTIES	COUNTIES	
0021	0021	
100% STATE	100% STATE	
CONTRACT MAINT	HTCB	
(OTEOI)	(67A0I)	

		LOCATION OF WORK:		VARIOUS ROUTES
				VARIOUS
				COUNTIES
		CONSTRUCTION TYPE CODE:		0021
			TOTAL	100% STATE
CODE NO	LTEM	UNIT	QUANTITY	MCHD
66500105	WOVEN WIRE FENCE, 4'	FOOT	4,000.0	3, 000. 0
66501200	WOVEN WIRE GATES, 4' X 8' DOUBLE	EACH	1.0	1.0
78200410	GUARDRAIL MARKERS, TYPE A	EACH	10.0	8.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	20.0	17.0
X0325256	REPAIR HIGH TENSION CABLE (BRIFEN)	FOOT	100. 0	40.0
X0325258	REPAIR HIGH TENSION CABLE SYSTEM END SECTION (BRIFEN)	EACH	2.0	1.0
X0325260	REPAIR POSTS (BRIFEN)	. EACH	10.0	4.0
X0325899	REPAIR HIGH TENSION CABLE (GIBRALTAR)	FOOT	4,000.0	1,500.0
X0325901	REPAIR POSTS (GIBRALTAR)	EACH	400.0	150.0

EACH

FOOT

EACH

EACH

FOOT

12.0

400.0

40.0

5.0

25.0

5.0

150.0

15.0

2.0

USER NAME z seerlook d FILE NAME = DESIGNED ~ REVISED -STATE OF ILLINOIS 570459-sht-500.dgn DRAWN -REVISED -SUMMARY OF QUANT os/pw_work/pwsdot/ce PLOT SCALE = 40.0000 1/ 10. CHECKED -REVISED -DEPARTMENT OF TRANSPORTATION #MODELNAME# PLOT DATE # 1/38/2814 DATE REVISED -SCALE: SHEET OF SHEETS ST -

X0325975 REPAIR HIGH TENSION CABLE SYSTEM END SECTION (GIBRALTAR)

REPAIR HIGH TENSION CABLE SYSTEM END SECTION (TRINITY)

REPAIR HIGH TENSION CABLE (TRINITY)

REPAIR POSTS (TRINITY)

X6330725 STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)

X0326201

X0326202

X0326203

	· · · · · · · · · · · · · · · · · · ·	
VARIOUS	VARIOUS	
ROUTES	ROUTES	
VARIOUS	VARIOUS	
COUNTIES	COUNTIES	
0021	0021	
100% STATE	100% STATE	
CONTRACT MAINT	HTCB	

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40.0	20.0
1.0	
4.0	2.0
1,500.0	1,000.0
150.0	100.0
5.0	2.0
150.0	100.0
15.0	10.0
2.0	1.0

25.0

			 D5 GUAF 	DRAIL & FENCE	REPAIR	2015		
VTITIES		F.A. RTE.	A. SECTION COUNTY					
		VAR.	•	VARIOUS	10	4		
······				CONTRACT	NO.	70A59		
TA,	TO STA.		ILLINOIS FED. AND PROJECT					

LOCATION OF WORK:

VARIOUS

ROUTES

VARIOUS

COUNTIES

				С	DNSTRUCTION TYPE CODE:		TOTAL	0021 100% STATE	0021 100% STATE	0021 100% STATE
CODE NO	ITEM				-	UNIT	QUANTITY	MCHD	CONTRACT MAINT	HTCB
X6331110	STEEL POSTS, S	PECIAL			E	ACH	2.0	2.0		
X6340205	GUARD POSTS RE	EMOVAL			E	ACH	10.0	10.0		
X6432110	REPLACE IMPAC	T ATTENUATORS	(NON-REDIRECTIVE), T	EST LEVEL 3	E	ACH	20.0	15.0	5.0	
X6640594	CHAIN LINK FE	NCE POST 4'			£	ACH	25.0	15.0	10.0	
X6640601	CHAIN LINK FE	NCE POST 6'			E	ACH	25.0	15.0	10.0	
20008760	EMERGENCY WOR	K CALL OUT			E	ACH	40.0	25.0	15.0	
20012752	CONCRETE STRU	CTURE REPAIR			с	UFT	12.0	8,0	4.0	
20020210	PULL POST ARR	ANGEMENT			E	ACH	30.0	20.0	10.0	
20052000	REPAIR STEEL F	PLATE BEAM GUA	RDRAIL, TYPE A		F	00T	3,000.0	2,000.0	1,000.0	
20052100	REPAIR STEEL F	PLATE BEAM GUA	RDRAIL, TYPE B		F	00T	25.0	25.0		
20052410	REPAIR TRAFFI	C BARRIER TERM	AINAL. TYPE 1 SPECIAL	(TANGENT)	E	ACH	4.0	3.0	1.0	
Z0052415	REPAIR TRAFFI	C BARRIER TERM	/INAL, TYPE 1 SPECIAL	(FLARED)	E	ACH	4.0	3.0	1.0	
20052600	REPAIR TRAFFI	C BARRIER TERM	AINAL, TYPE 2		E	АСН	2.0	1.0	1.0	
20053000	REPAIR TRAFFI	C BARRIER TERM	MINAL, TYPE 5		E	ACH	1.0	1.0		• D5 GUARDRAIL & FENCE REPAIR 2015
(1) USER NAME = eeerlookijd okijd/d8077785/0578859-akt-500.dgn PLCT SCALE = 48,8888 // :	DESIGNED - DRAWN - CHECKED -		REVISED - REVISED - REVISED -		STATE OF ILLINOIS HENT OF TRANSPORTATION			SUMMARY OF QUANTITIE	S	A. SECTION COUNTY TOTAL SHEET TRE. SECTION COUNTY TOTAL SHEETS NO. VAR. • VARIOUS JO 5 CONTRACT NO. 70A59
PLOT DATE > 1/38/2814	DATE -		REVISED -			· · · · · · · · · · · · · · · · · · ·	SCALE: SHEET	OF SHEETS STA.	TO STA.	ILLINOIS FED. AND PROJECT

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MODELNAME*

VARIOUS	VARIOUS	
ROUTES	ROUTES	
VARIOUS	VARIOUS	
COUNTIES	COUNTIES	
0021	0021	
100% STATE	100% STATE	
CONTRACT MAINT	HTCB	

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VARIOUS LOCATION OF WORK: ROUTES VARIOUS COUNTIES CONSTRUCTION TYPE CODE: 0021 TOTAL 100% STATE QUANTITY MCHD UNIT CODE_NO ITEM EACH 3.0 2.0 Z0053200 REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6 EACH 1.0 1.0 Z0053210 REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6A

EACH

1.0

1.0

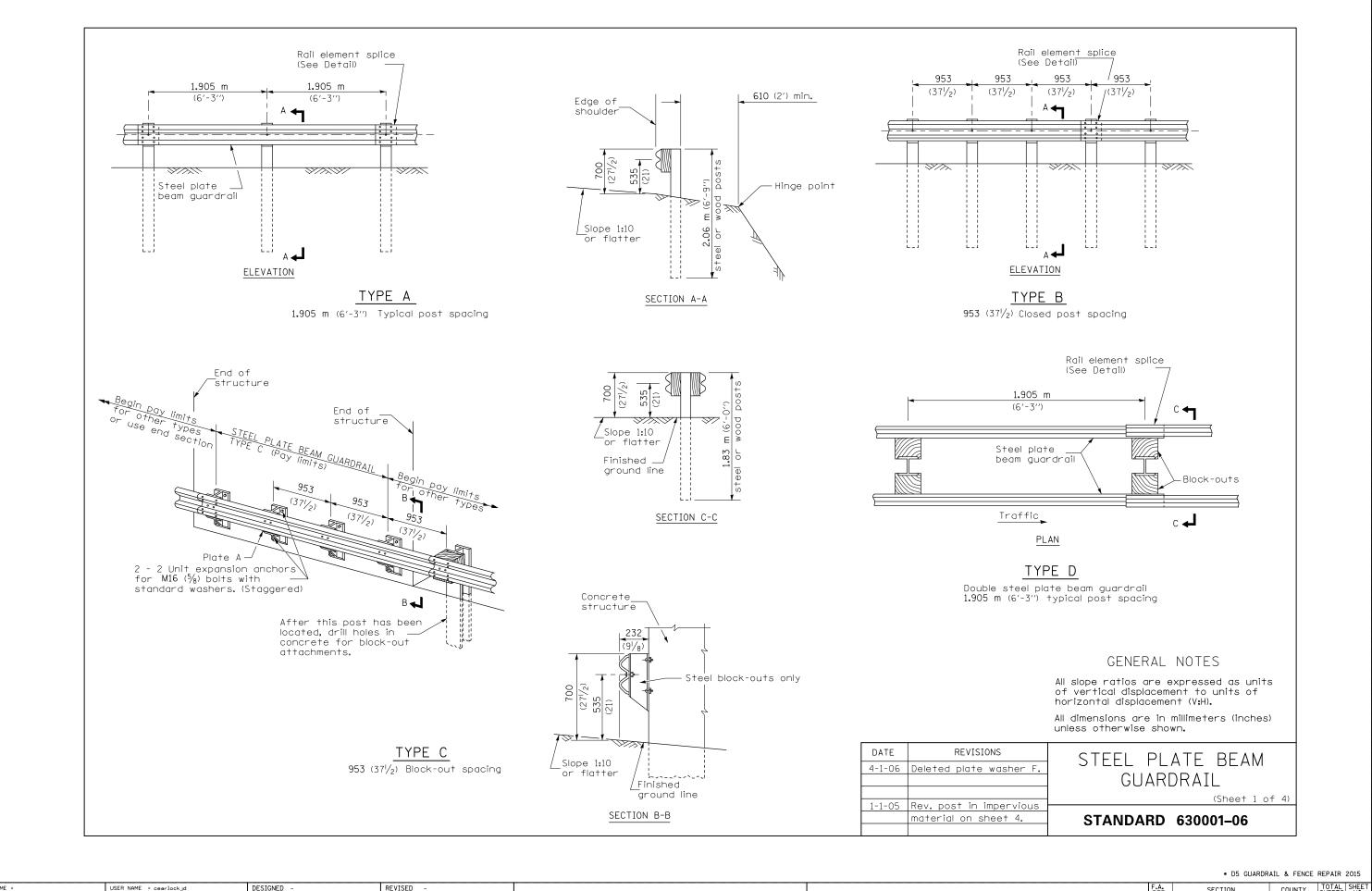
Z0053220 REPAIR TRAFFIC BARRIER TERMINAL, TYPE 6B

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ci\pw.work\pwidot\cearlock.jd\d8377785\D	578459-xh1+500.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		SU	IMMARY	Y OF QUA
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\$MODELNAME\$		DATE -	REVISED -		SCALE;	SHEET	QF	SHEETS

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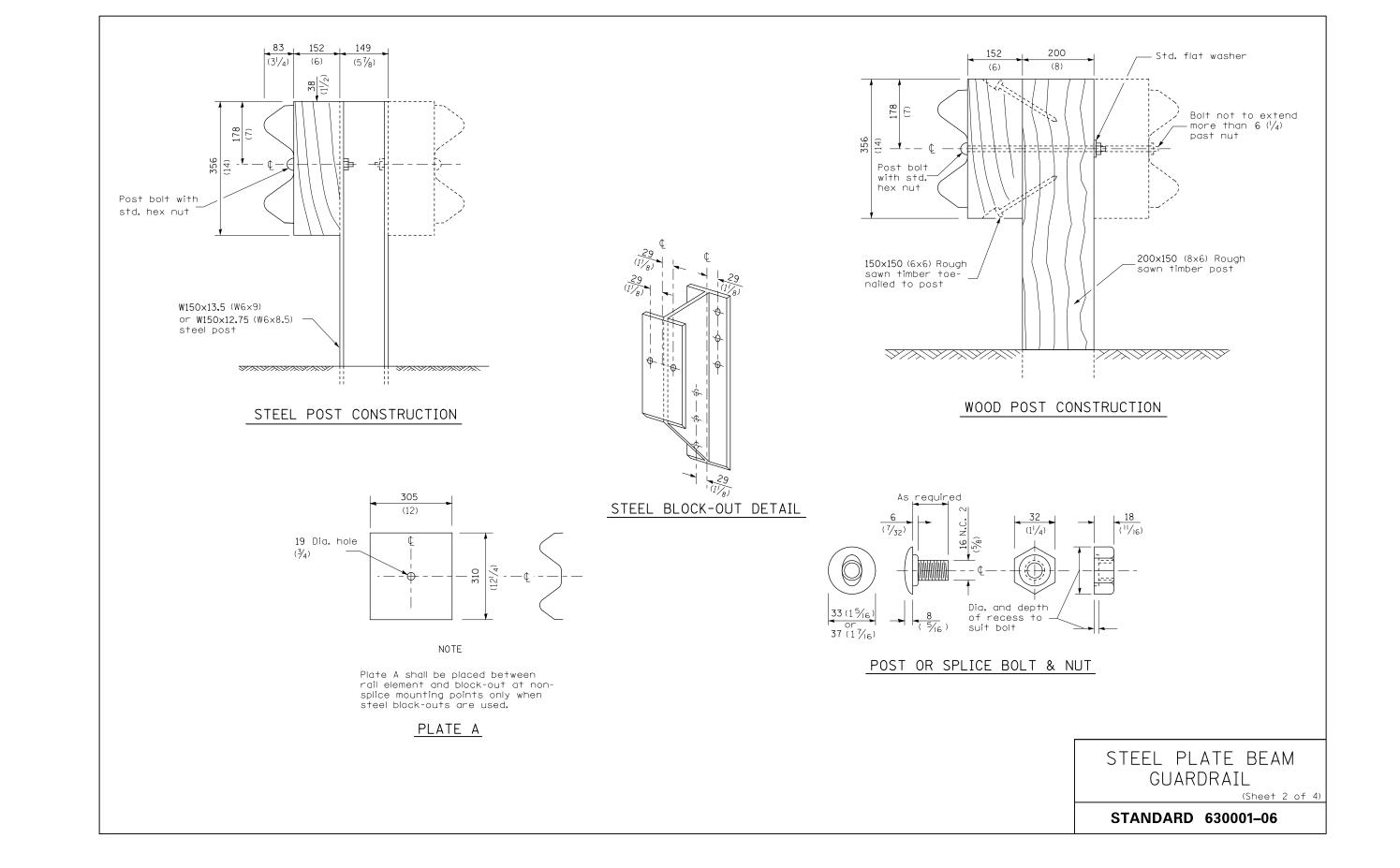
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			• D5 GUA	RDRAIL & FENCE	REPAIR	2015
		F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET
ANTITIES		VAR.	*	VARIQUS	10	6
				CONTRACT	NO.	70A59
STA.	TO STA.		ILLINDIS FE	D. ALD PROJECT		



FIL	E NAME =	USER NAME = cearlockjd	DESIGNED -	REVISED -						
c:\	pw_work\pwidot\cearlockjd\d0377705\D	570A59-sht-Details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	DE	TAIL OF 27	¹ / ₇ " STEE	EL PLAT	Έ
		PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			-		
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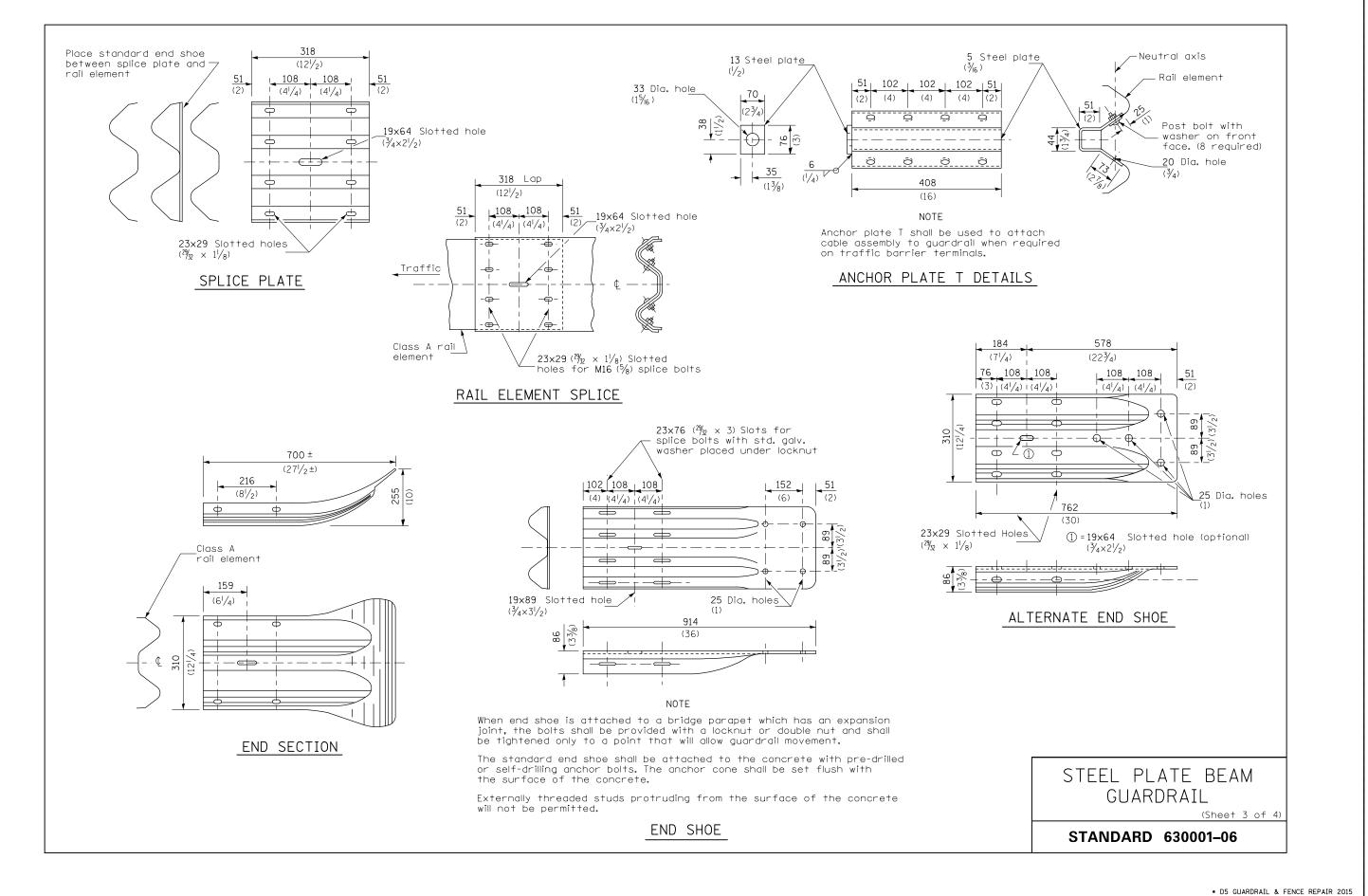
_			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E	BEAM	GUARDRAIL	VAR.	•	VARIOUS	10	7
_					CONTRACT	NO. 7	OA59
S	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		



FILE NAME =	USER NAME = cearlockjd	DESIGNED -	REVISED -					
c:\pw_work\pwidot\cearlockjd\d0377705\D	570A59-sht-Details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	DE	TAIL OF 27	" STEE	L PLATE
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1	-		
\$MODELNAME\$	PLOT DATE = 1/30/2014	DATE -	REVISED -		SCALE:	SHEET 2	0F 4	SHEETS

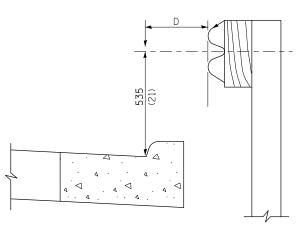
 D5 GUARDRAIL & FENCE REPAIR 2015
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		RTE.	SECTION		COUNTY	SHEETS	NO.	
E	BEAM	GUARDRAIL	VAR.	*		VARIOUS	10	8
_	1					CONTRACT	NO. 7	0A59
S	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT		



	ILE NAME = :\pw_work\pwidot\cearlockjd\d0377705\D	USER NAME = cearlockjd	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS	יח	ETAIL OF 271/	/2″ STEF	
1		PLOT SCALE = 40.0000 '/ 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			2 3111	
\$1	MODELNAME\$	PLOT DATE = 1/30/2014	DATE -	REVISED -		SCALE:	SHEET 3	0F 4	SHEETS

		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e beam	GUARDRAIL	VAR.	*	VARIOUS	10	9
				CONTRACT	NO. 7	0A59
STA	TO STA.					



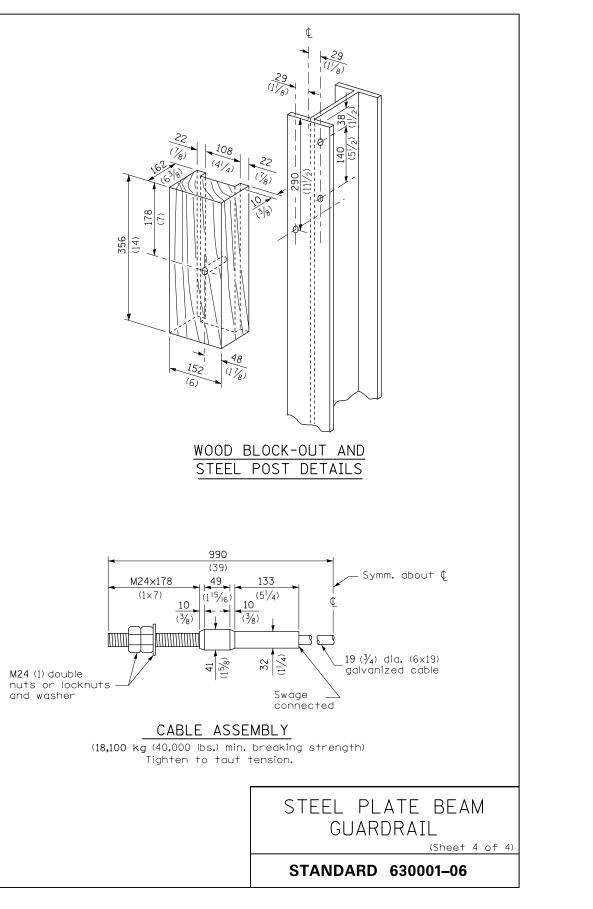
Note:

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.

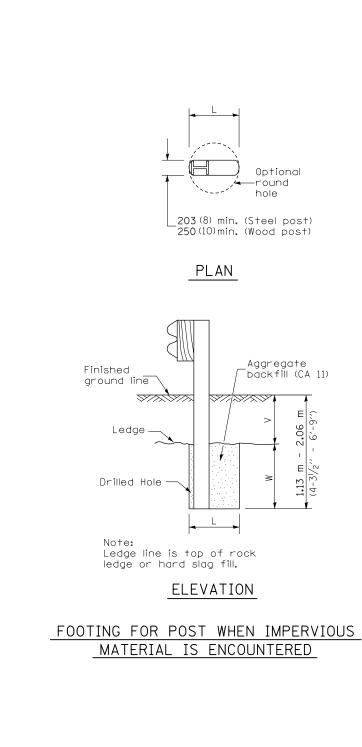


(D = 0 desirable to 300 (12) maximum)

V	w	L	-
v	w	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 =	USER NAME = cearlockjd	DESIGNED -	REVISED -				
c:\pw_work\pwidot\cearlockjd\d0377705\[0570A59-sht-Details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	DETAIL OF 271/2" STEEL PLATE		
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			
\$MODELNAME\$	PLOT DATE = 1/30/2014	DATE -	REVISED -		SCALE:	SHEET 4 OF 4 SHEETS	; ;



* D5 GUARDRAIL & FENCE REPAIR 2015

TE BEAM GUARDRAIL			RTE.	SECTION		COUNTY	SHEETS	NO.	
		GUARDRAIL	VAR.	•		VARIOUS	10	10	
					CONTRACT	NO. 7	0A59		
S	STA.	TO STA.	ILLINOIS FED. AID PROJECT						