01-15-2016 LETTING ITEM 096

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

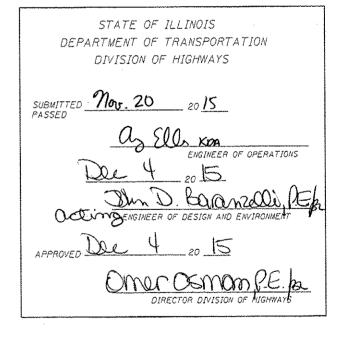
INDEX OF SHE	ETS	FAI ROUTE 55 (I-55)		
<u>NO</u> .	DESCRIPTION	D-5 OVD SIN STR REPL MCLEAN COUNTY	16-29	
1 2	COVER SHEET SUMMARY OF QUANTITIES	C-60-029-16		STANDARDS
3 - 4	SCHEDULE OF QUANTITIES			701101-04
5	SIGNING DETAILS			701400-08
6	SIGN TRUSS MOUNTING DETAI	L		701406-09
7 - 15	CANTILEVER SIGN STRUCTUR	E DETAILS		701411-09
16	SOIL BORING LOGS			701456-03
				701901-04
				720001-01
				720006-04
				720021-02

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATIONS PHONE: 800-892-0123

CONTRACT NO.

46387

FAI ROUTE 55 (I-55) D-5 OVD SIN STR REPL 16-29 MCLEAN COUNTY Sheet 1 of 16 Contract Number 46387



CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	MCLEAN CO, RURAL 100% STATE 0040
67100100	MOBILIZATION	L SUM	1.00	1.00
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2.00	2.0(
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1.00	1.00
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1.00	1,00
72000300	SIGN PANEL - TYPE 3	SQFT	168.00	168.00
72400330	REMOVE SIGN PANEL - TYPE 3	SQFT	149.50	149.50
73301840	OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER, TYPE A	FOOT	34.00	34.00
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5'-6")	FOOT	52.00	52.00
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CUYD	18.00	18.00
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	2.00	2.00
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2.00	2.00
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	2.00	2.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.00	1.00

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SUMMARY OF QUANTITIES

n

GENERAL DESCRIPTION OF FUND CODES: 0040 = SPECIAL BRIDGE - OVERHEAD SIGN STRUCTURES

FILE NAME =	USER NAME = bucklosjj	DESIGNED -	REVISED -					
pwrXXL28#EBIDINTEG.1111nors.goviPWIDOTX0a	cuments/2007 Offices/District S/Projects/054	BRANDots Gezign Plans.dgn	REVISED -	STATE OF ILLINOIS		SL	IMMARY	OF QUANTITIE
	PLOT SCALE = 42.0000 1/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				
SMODELNAMES	FLOT DATE = 9/2/2815	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.

TO STA.	F.A.I. RTE. 55	D-5 OV SECTION	D SIN STR REPL COUNTY MCLEAN CONTRA	TOTAL SHE SHEETS N 16 2	
a.					
					1

SCHEDULE OF QUANTITIES

		1	1	5-01 SB	5-02 NB
CODE NUMBER	PAY ITEM	UNIT	100% STATE TOTAL	5C057 1055	5C057 1055
·		1	QUANTITY	L149.30	R149.10
	General Location	с. А		MCLEAN	COUNTY
	Scope of Work			C	С
67100100	MOBILIZATION	L SUM	1.00	0.50	0.1
				0.00	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2.00	1.00	1.
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	1,00	0.50	0,
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1,00	0.50	0.
72000300	SIGN PANEL - TYPE 3	SQFT	168.00	84.00	84.(
72400330	REMOVE SIGN PANEL - TYPE 3	SQFT	149.50	74.75	74.
73301840	OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER, TYPE A	FOOT	34,00	17.00	17.0
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5'-6")	FOOT	52.00	26.00	26.0
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CUYD	18.00	9.00	9.(
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	2.00	1.00	1,(
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2.00	1.00	1.(
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	2.00	1.00	1.1
20013798	CONSTRUCTION LAYOUT	L SUM	1.00	0.50	0.5

C = Overhead Sign Structure Replacement w/ Cantilever

	· · · · · · · · · · · · · · · · · · ·	.									+ D-5 OVD	SIN STR REPL 2016-29						
	JSER NAME = bucklosjj	DESIGNED -	REVISED -							F.A.I.	SECTION	COUNTY TOTAL SHEET						
swinhiz884EBIOINTEG.tiltmots.goviPWI00110062	entalibor Offices/District 5/Projects/054	DRAWQOoto\Gesign\Plans.dgn	REVISED -	STATE OF ILLINOIS		SCHEDULE OF QUANTITIES				RIE.	MCLEAN 16 3							
	LOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					DEPARTMENT OF TRANSPORTATION								CONTRACT NO. 46387	
\$MODELNAMES	101 DATE + 9/2/2815	DATE -	REVISED -						AID PROJECT									

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Location No	5-01		
Structure No.	5 C 057 I055 L149.30		
County / Route	MCLEAN CO I-55 SB - Funks Grove Rest Area		
Scope of Work	This overhead cantilever is being replaced on a new drilled shaft foundation.		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.00
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	0.50
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	0.50
72000300	SIGN PANEL - TYPE 3	SQFT	84.00
72400330	REMOVE SIGN PANEL - TYPE 3	SQFT	74.75
73301840	OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER, TYPE A	FOOT	17.00
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5'-6")	FOOT	26.00
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CUYD	9.00
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1.00
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1.00
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	1.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.50
ncluded in the above	placards, including the 30 mph ramp speed limit sign, from the old support to the new support sha pay items with no additional compensation allowed. 3 may or not be required. See Special Provision "Site Specific Traffic Control and Protection"	ll be	

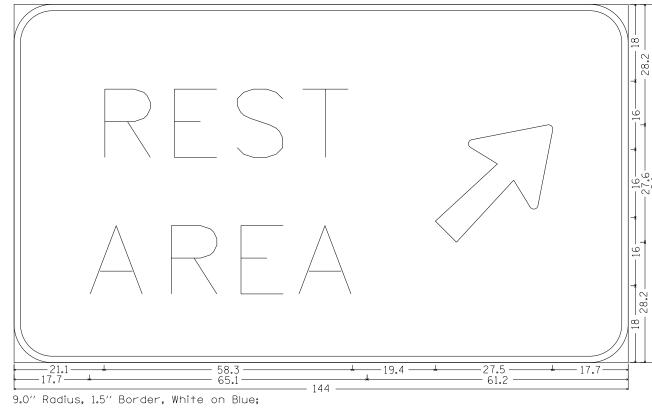
Location No.	5-02		
Structure No.	5 C 057 I055 R149.10		
County / Route	MCLEAN CO I-55 NB - Funks Grove Rest Area		
Scope of Work	This overhead cantilever is being replaced on a new drilled shaft foundation.		
CODE NUMBER	PAY ITEM	UNIT	QUANTITY
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.00
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	LSUM	0.50
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	0.50
72000300	SIGN PANEL - TYPE 3	SQFT	84.00
72400330	REMOVE SIGN PANEL - TYPE 3	SQFT	74.75
73301840	OVERHEAD SIGN STRUCTURE WALKWAY, CANTILEVER, TYPE A	FOOT	17.00
73302170	OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5'-6")	FOOT	26.00
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CUYD	9.00
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1.00
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1.00
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	1.00
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.50
	lacards, including the 30 mph ramp speed limit sign, from the old support to the new support shall	be	
· · · ·	bay items with no additional compensation allowed.		
TCAP Standard /01406	may or not be required. See Special Provision "Site Specific Traffic Control and Protection"		

			X804(0310 - ELECTRIC SERVICE DISCONNECT
LOCATION NO.	STRUCTURE NO.	UNIT	QUANTITY	DESCRIPTION
5-01	5 C 057 l055 L149.30	EACH	1.0	Lighting for Cantilever Truss # L149.30 is the end of run stubbed from nearby light pole # 55/23. Disconnect electri provision "ELECTRIC SERVICE DISCONNECT". Cables in the unit duct may become property of the
5-02	5 C 057 1055 R149.10	EACH	1.0	Lighting for Cantilever Truss # R149.10 is the end of run stubbed from nearby light pole # 55/8. Disconnect electric provision "ELECTRIC SERVICE DISCONNECT". Cables in the unit duct may become property of the
See Special Provision	- "ELECTRIC SERVICE DISCONNE	CT" for additiona	al details.	

The information provided in this chart and the electrical shown on the plan sheets is the best guess based on "As-Built" plans and by looking in each foundation for the number of unit ducts. Contractor shall verify the existing path of the electrical circuit and adjust work as needed.

											* D-5 OVD SI	N STR REPL 2	016-29
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -		SCHEDULE OF QUANTITIES, INDIVIDUAL TRUSS LOCATIONS,			F.A.I.	SECTION	COUNTY	TOTAL SHEET		
pw:\\ILØ84EBIDINTEG.1111no15.gov:PWIDOT\Doc	uments\IDOT Offices\District 5\Projects\D54	638RXXXXIData\Əesign\Plans.dgn	REVISED -	STATE OF ILLINOIS	JUNEDOLL					55		MCLEAN	16 4
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ELECTRICAL SERVICE DISCONNECT						CONTRACT	NO, 46387	
\$MODELNAME\$	PLOT DATE = 9/2/2015	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. A	ID PROJECT				

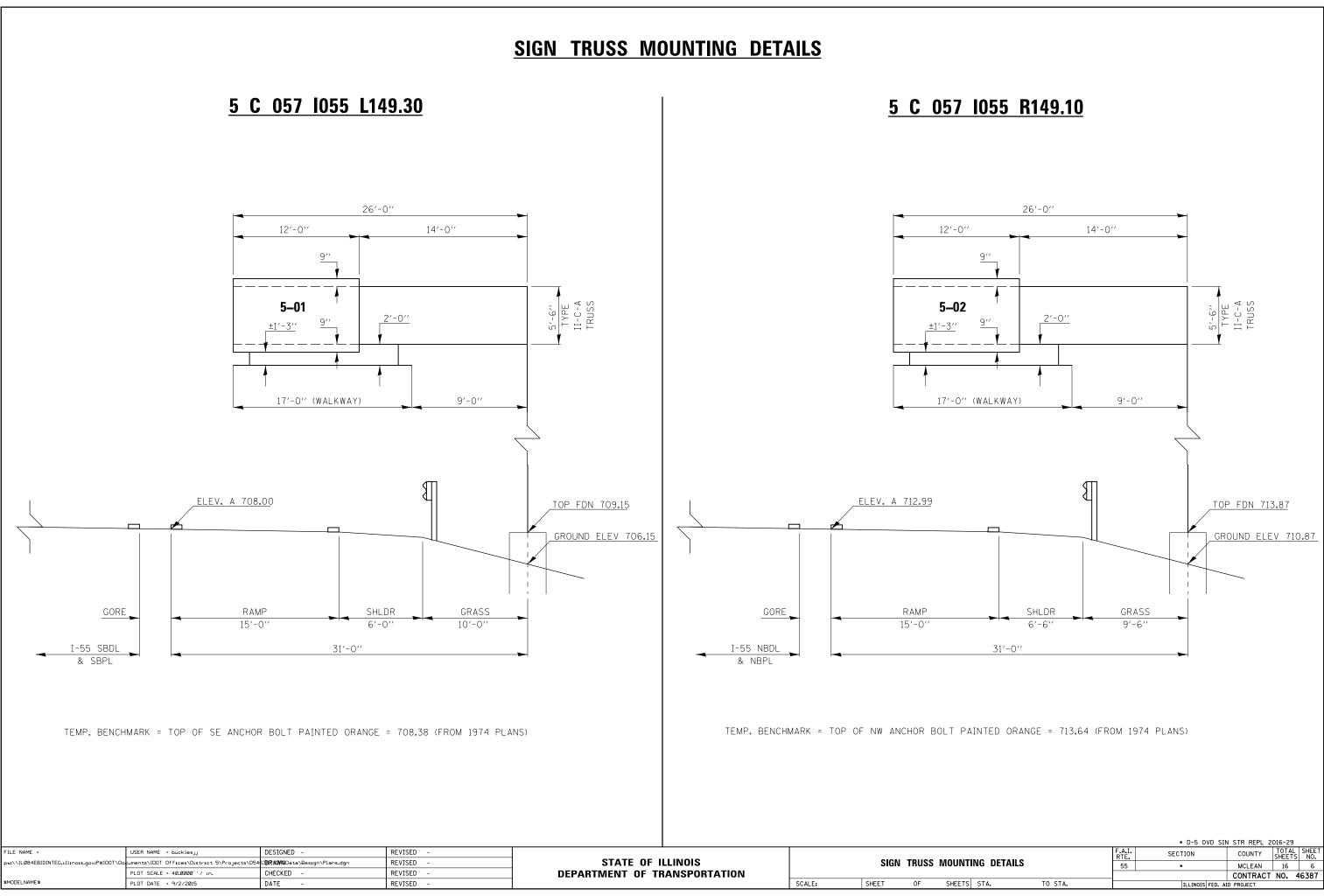
trical connection as specified in special ne Contractor for salvage.
rical connection as specified in special ne Contractor for salvage.



9.0" Radius, 1.5" Border, White on Blue; [REST] E Mod 2K; [AREA] E Mod 2K; Arrow 160 - 35.0" 45/; Table of letter and object lefts.

R	E	S	Т	R
21.1	37.4	52.2	67.5	98.8
А	R	E	Α	
17.7	36.7	53.0	66.6	

											∗ D-5 OVD S	IN STR REPL 2	2016-29
FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -							F.A.I. BTE	SECTION	COUNTY	TOTAL SHEET
pw:\\IL084EBIDINTEG.1llinois.gov:PWIDOT\Doc	uments\IDOT_Offices\District_5\Projects\D54	33RAWWData\8esign\Plans.dgn	REVISED -	STATE OF ILLINOIS	SIGN DETAIL SCALE: SHEET OF SHEETS STA. TO STA.			55		MCLEAN	16 5		
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							NO. 46387		
\$MODELNAME\$	PLOT DATE = 9/2/2015	DATE -	REVISED -						ILLINOIS FED.				



DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES: Field Units f'c = 3,500 p.s.i. fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240. Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

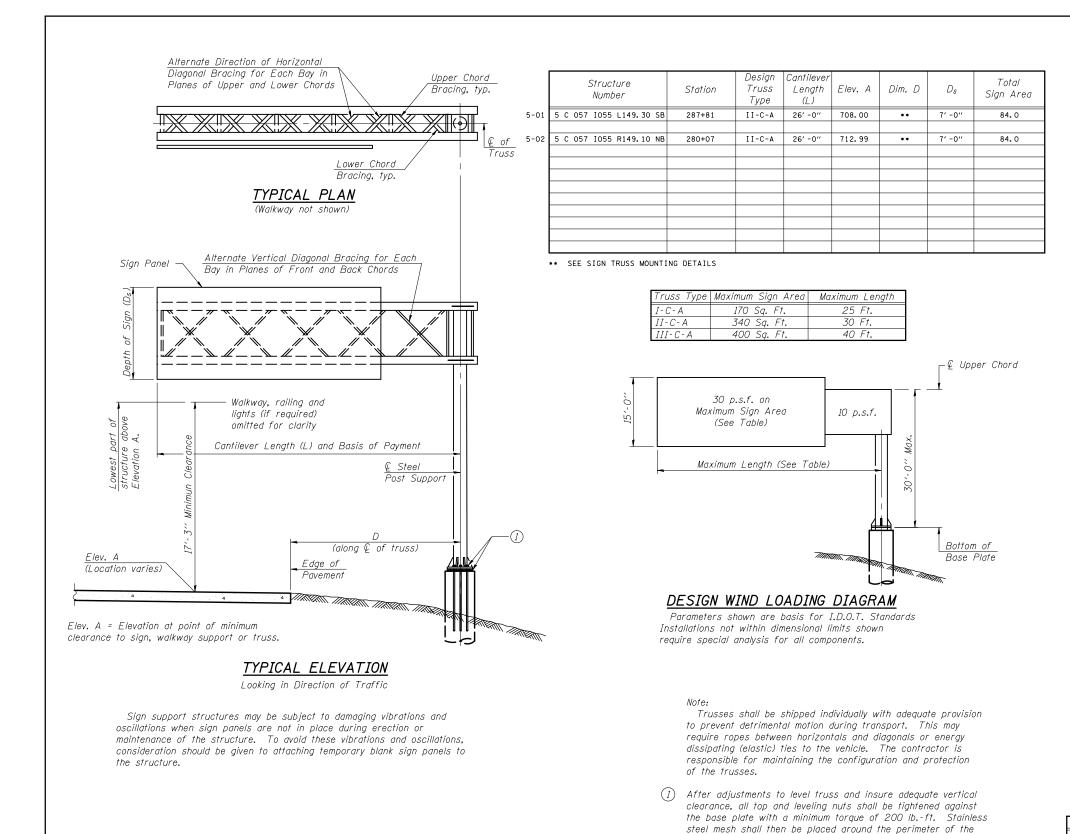
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final around line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.





8-21-13 FILE NAME USER NAME = bucklesjj DESIGNED -REVISED CANTILEVER SIGN STRUCTURES - G STATE OF ILLINOIS w:\\IL084EBIDINTEG.1111no15.gov:PWIDOT ments\IDOT_Offices\District_5\Projects\D5 38RAMAData\Design\Plans.dgr REVISED ALUMINUM TRUSS LOT SCALE = 40.0000 '/ in. HECKED REVISED **DEPARTMENT OF TRANSPORTATION** \$MODELNAME\$ SCALE: PLOT DATE = 9/2/2015 REVISED SHEET 0F SHEET DATE

base plate. Secure to base plate with stainless steel banding.

plate to be used shall first be approved by the Engineer as

* If M270 Gr. 50W (M222) steel is proposed, chemistry for

suitable for galvanizing and welding.

OSC-A-1

GENERAL NOTES

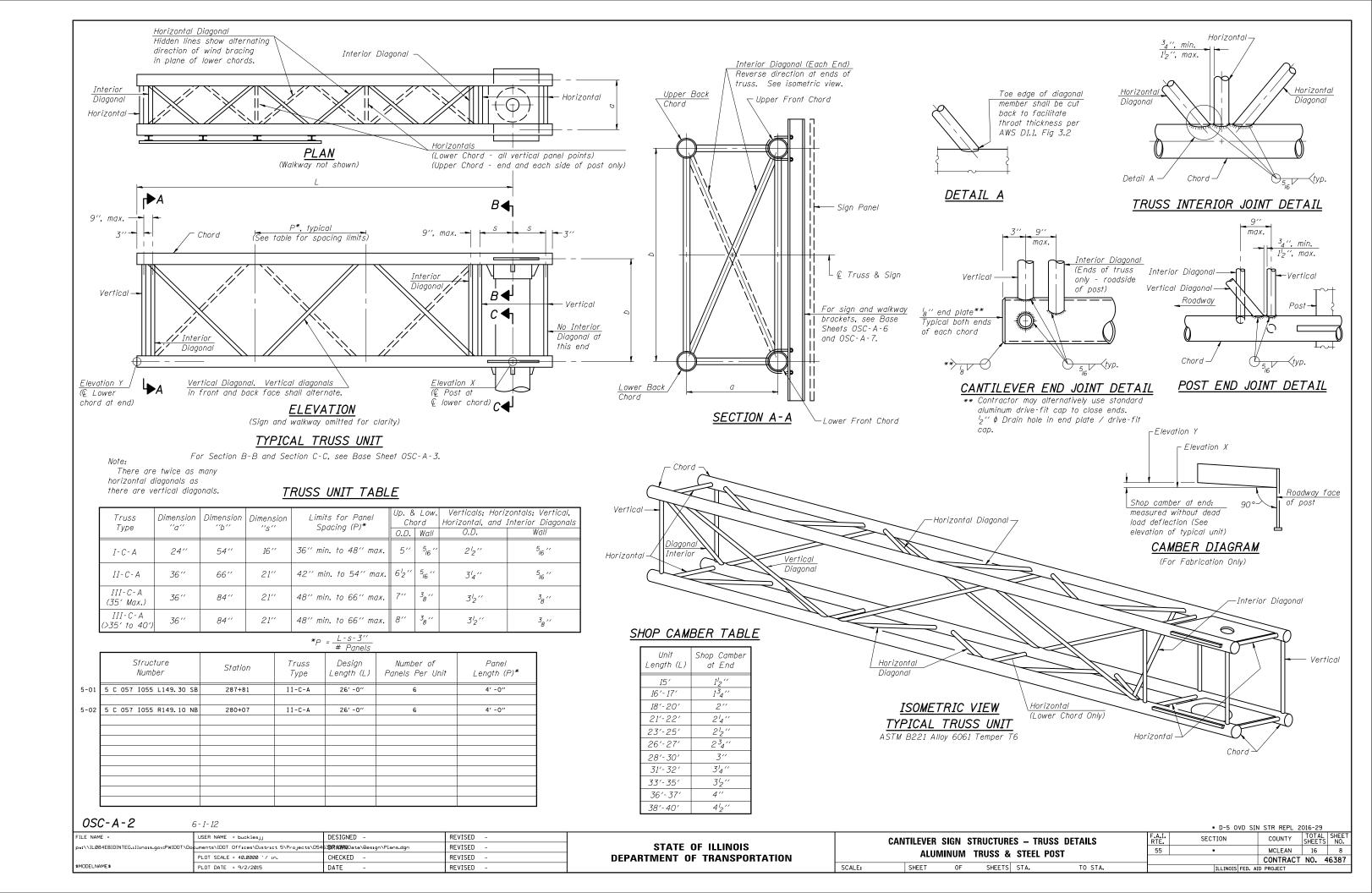
FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction, Rotational capacity ("ROCAP") testing of bolts will not be required.

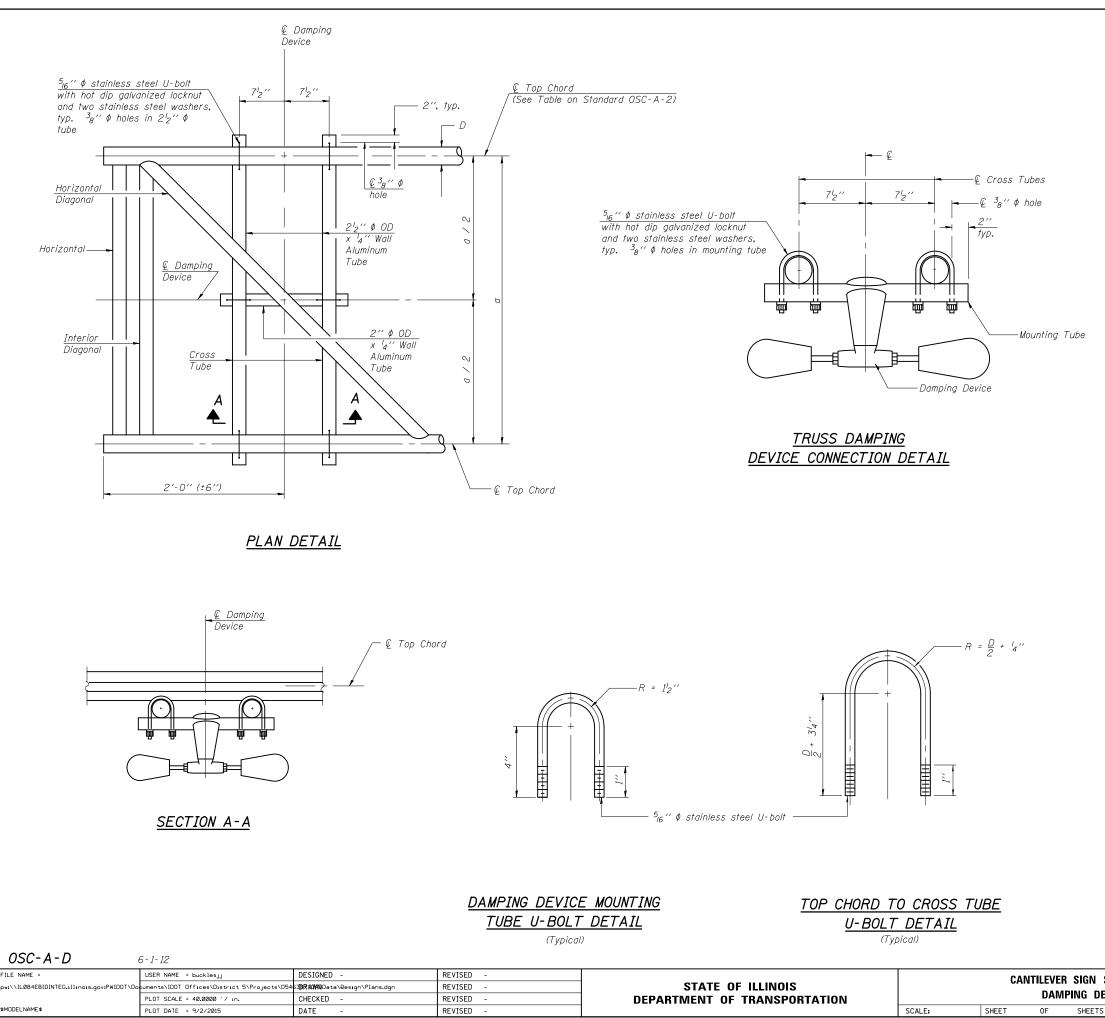
FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

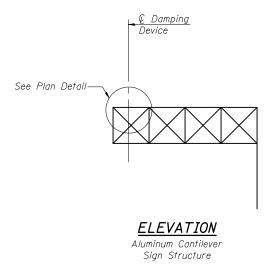
ITEM	UNIT	TOTAL
N STRUCTURE CANTILEVER TYPE I-C-A	Foot	
N STRUCTURE CANTILEVER TYPE II-C-A	Foot	52.0
N STRUCTURE CANTILEVER TYPE III-C-A	Foot	
N STRUCTURE WALKWAY, TYPE A	Foot	34.0
T CONCRETE FOUNDATIONS	Cu, Yds,	18.0

 D-5 OVD SIN STR REPL 2016-29 										
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						
55	*	MCLEAN	16	7						
		CONTRACT	NO. 4	16387						
ILLINOIS FED. AID PROJECT										
		F.A.I. RTE. SECTION 55 •	F.A.I. SECTION COUNTY 55 • MCLEAN CONTRACT	F.A.I. RTE. SECTION COUNTY TOTAL SHEETS 55 • MCLEAN 16 CONTRACT NO. 4						





\$MODELNAME\$

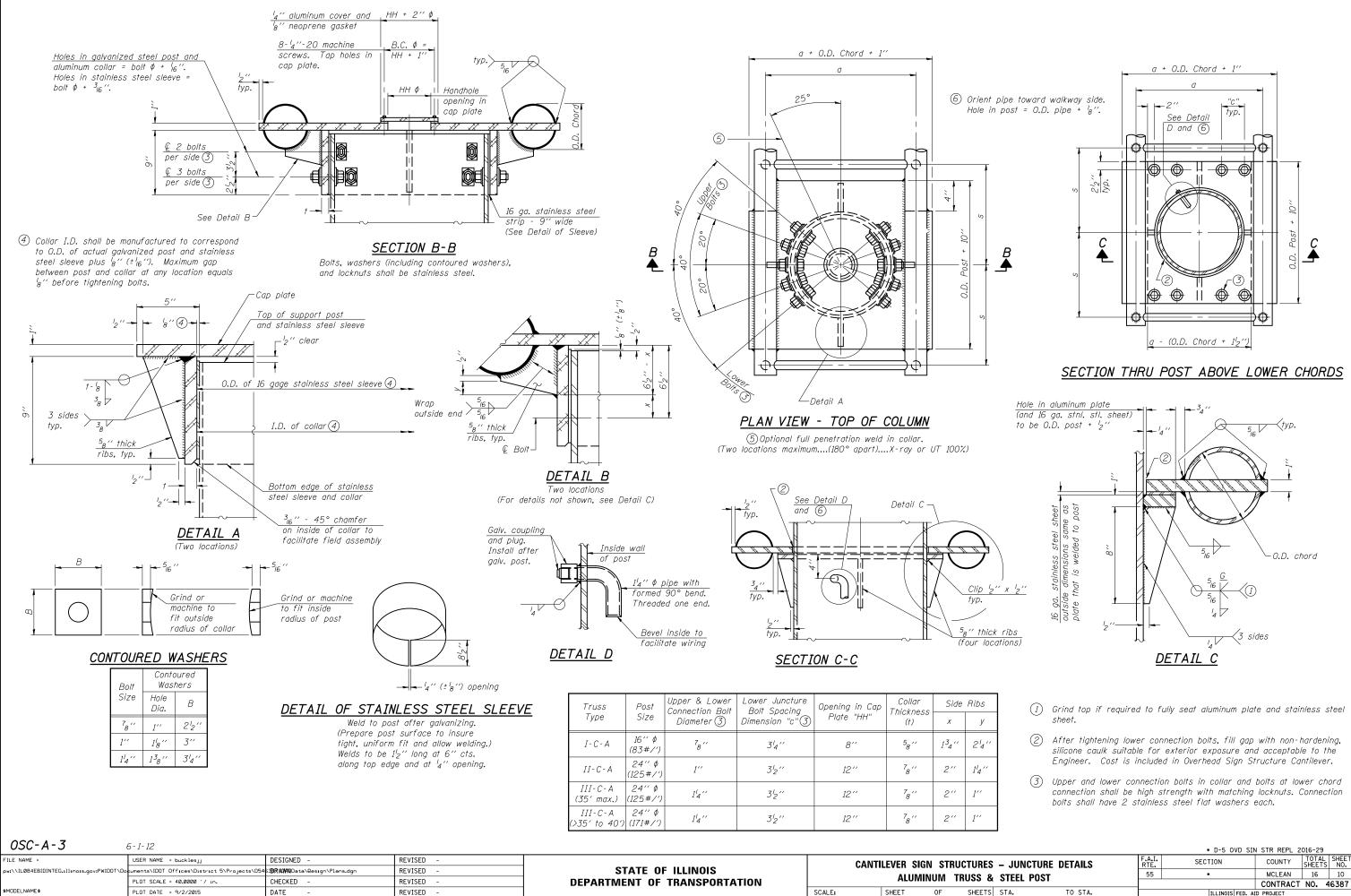


GENERAL NOTES

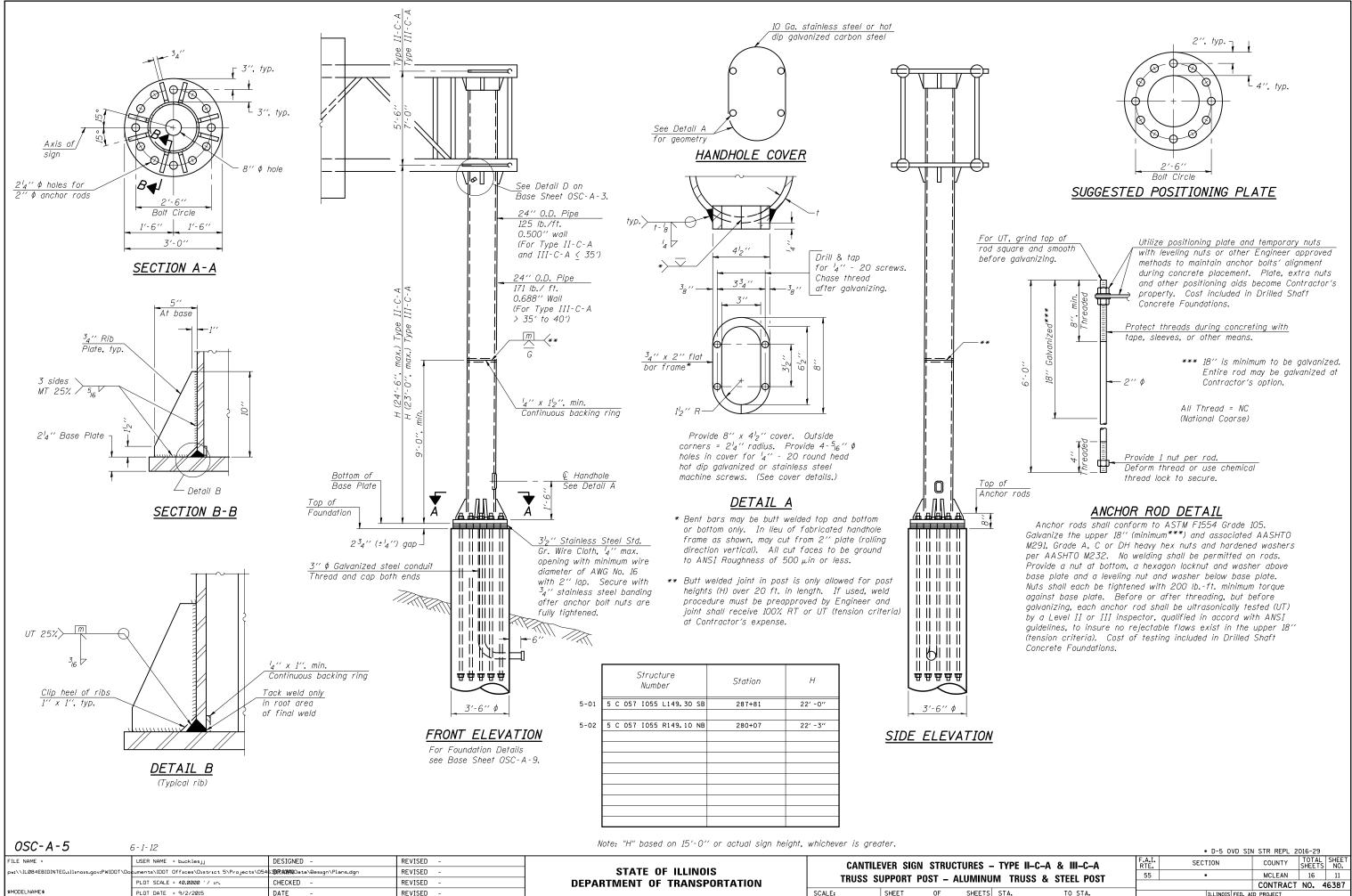
One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29'' minimum between ends of weights) Damper:

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

• D-5 OVD SIN STR REPL 2016-29								
STRUCTURE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
EVICE			*	MCLEAN	16	9		
		_		CONTRACT	NO. 4	6387		
S STA.	TO STA.		ILLINOIS FED. AI	D PROJECT				

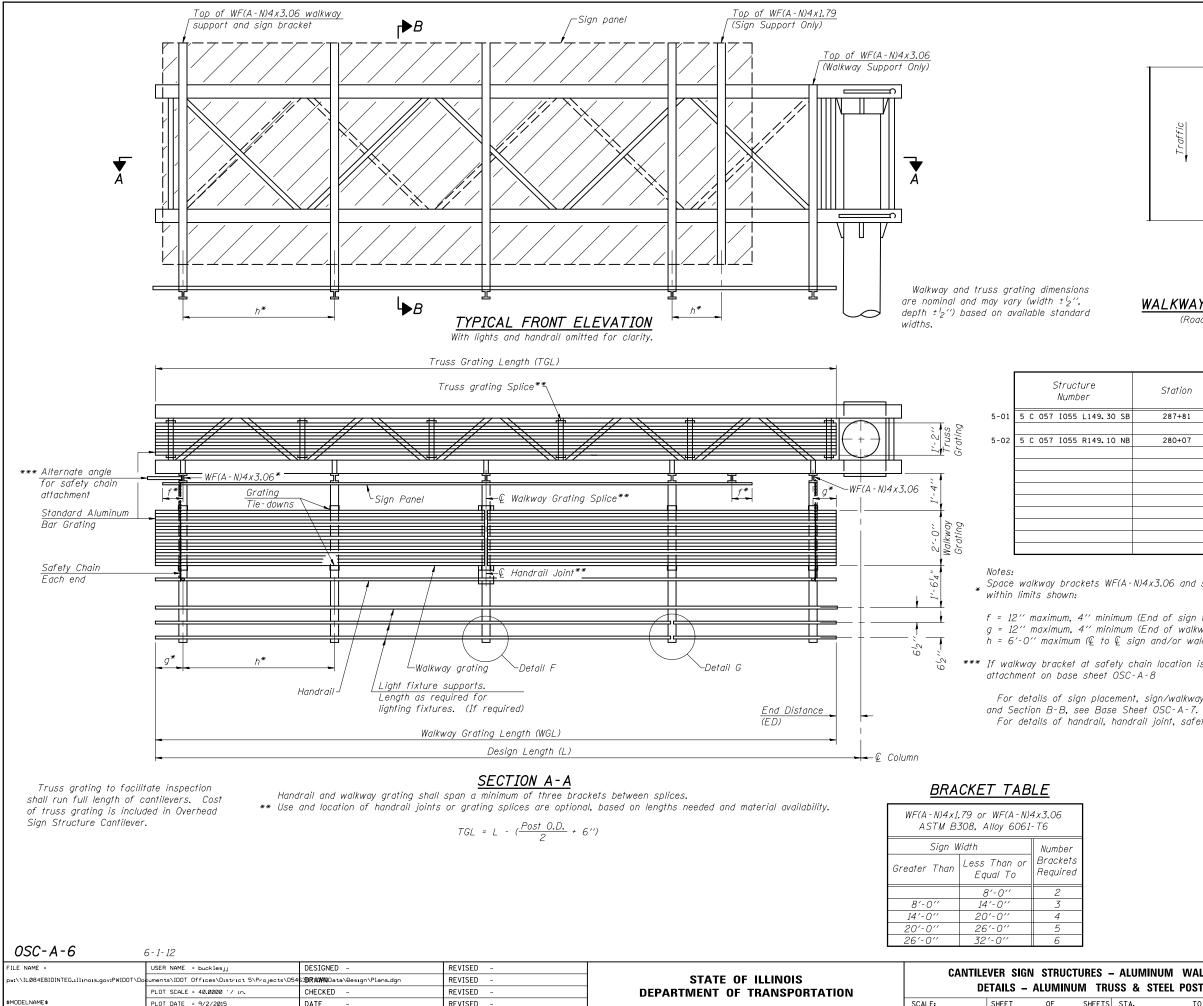


• D-5 OVD SIN STR REPL 2016-29										
ES	– JUNCTURE	DETAILS	F.A.I. RTE.	A.I. SECTION COUNT			SHEET NO.			
8.	STEEL POST		TEEL DOCT 55 *				10			
α	31LLL 1 031				CONTRACT	NO. 4	16387			
٢S	STA.	TO STA.	ILLINOIS FED. AID PROJECT							
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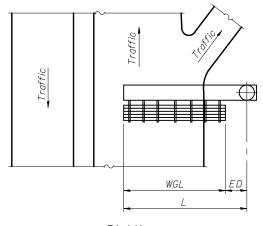


ILLINOIS FED. AID PROJECT

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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	TRUSS SUPPORT POST -		SI - A	– ALUM	
\$MODELNAME\$	PLOT DATE = 9/2/2015	DATE -	REVISED -		SCALE:	SHEET	0F	SHE	
						-		-	



SCALE: SHEET OF SHEET



PLAN WALKWAY AND HANDRAIL SKETCH (Road plan beneath truss varies)

	Station	WGL	ED	TGL
30 SB	287+81	17'-0''	9' -0''	24' -6''
10 NB	280+07	17'-0''	9' -0''	24' -6"

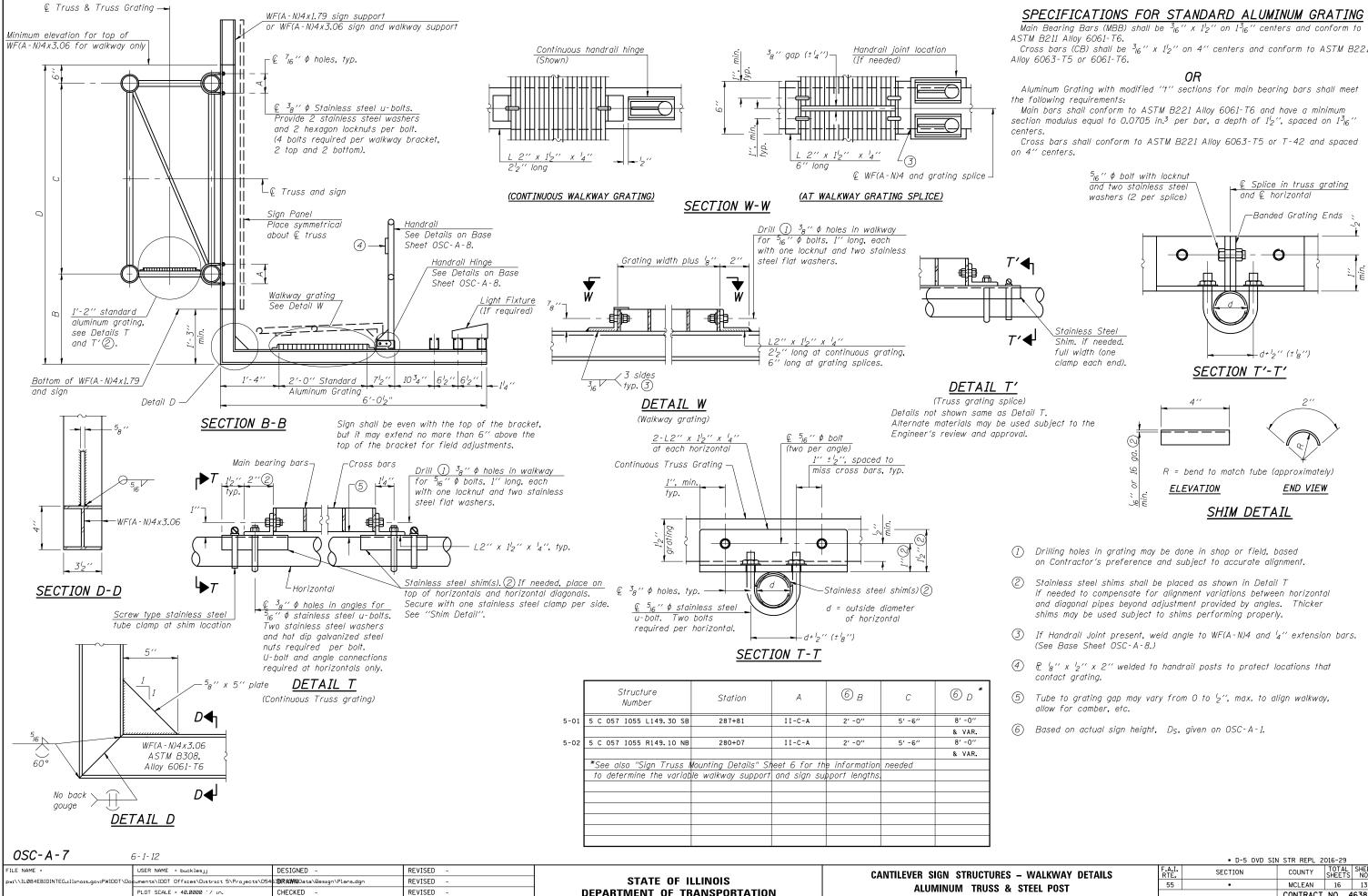
Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and

 $f = 12^{\prime\prime}$ maximum, 4^{\prime\prime} minimum (End of sign to Q of nearest bracket) g = 12'' maximum, 4'' minimum (End of walkway to Q of nearest bracket) h = 6'-0'' maximum (Q to Q sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

*** If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

	• D-5 OVD SIN STR REPL 2016-29										
-	ALUM	INUM WALKWAY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
RUSS & STEEL POST				*	MCLEAN	16	12				
		31222 1 031		CONTRACT NO. 4638							
TS STA. TO STA. ILLINOIS FED. AID PROJECT											



DEPARTMENT OF TRANSPORTATION SCALE: SHEET

REVISED

\$MODELNAME\$

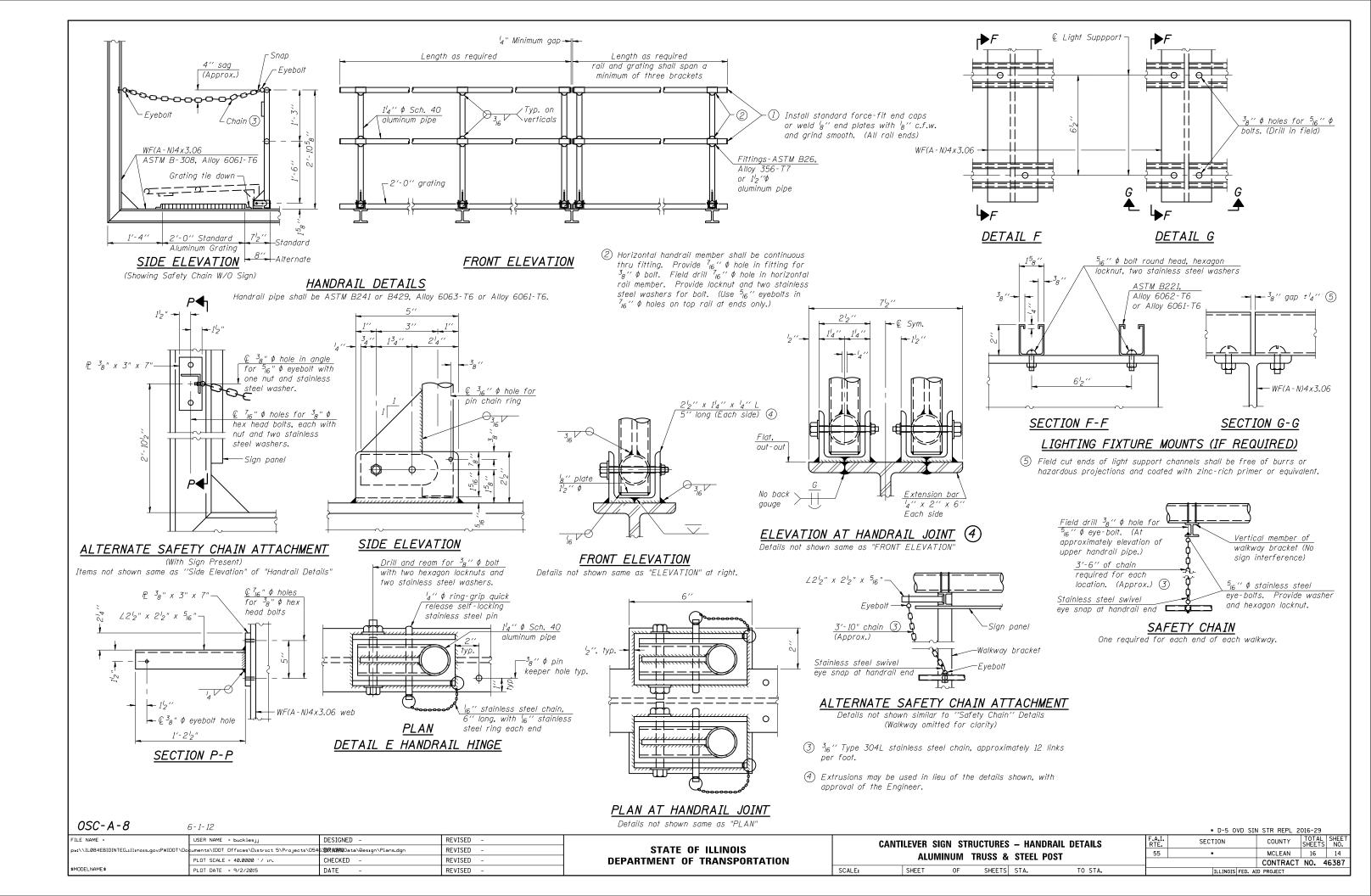
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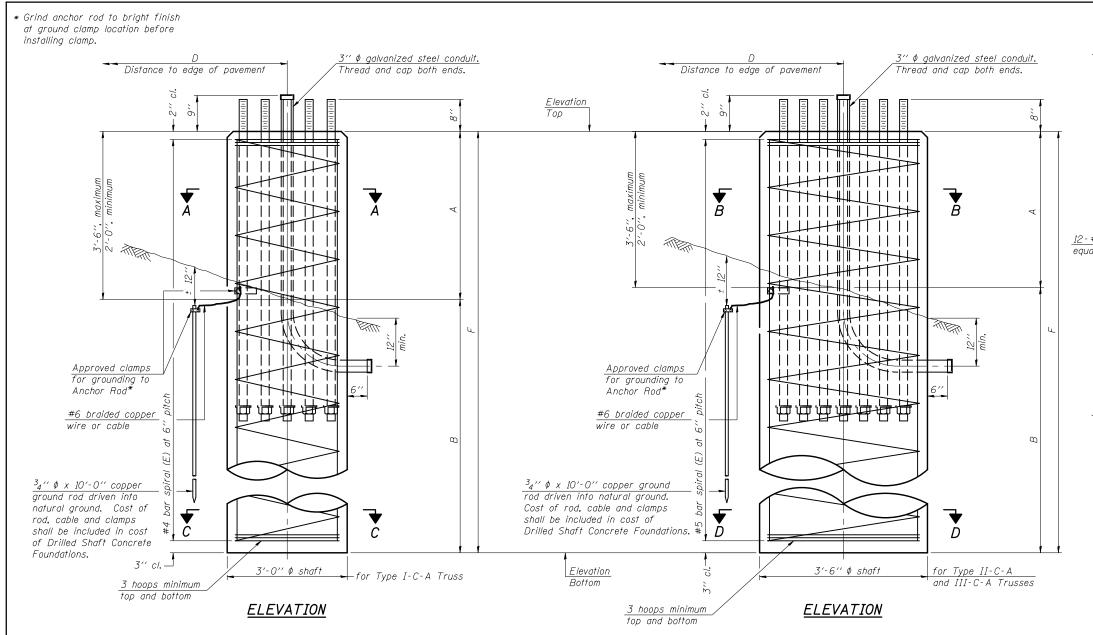
DATE

SHEET 0F

Cross bars (CB) shall be ${}^{3}_{16}$ " x ${}^{12}_{2}$ " on 4" centers and conform to ASTM B221

* D-5 OVD SIN STR REPL 2016-29									
ES	– WALKWAY	DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
& STEEL POS			55	•	MCLEAN	16	13		
a	31222 1 031				CONTRACT	NO. 4	16387		
TS	STA.	TO STA.	ILLINOIS FED. AID PROJECT						





NOTES:

0SC-A-9

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific desians.

dimensions shown in the Foundation Data Table will be the result of site specific designs. If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

8-21-13

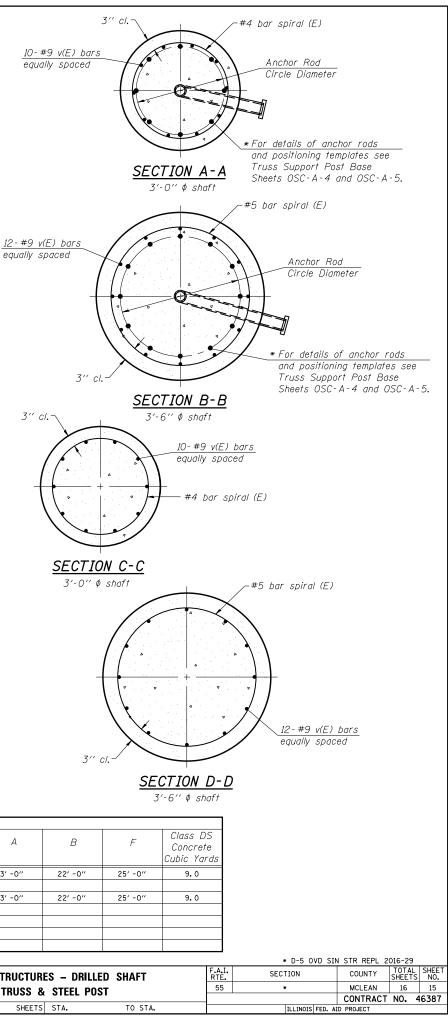
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

	FOUNDATION DESIGN TABLE											
Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anch No.	or Rods Diameter (in)	Anchor Rod Circle Diameter (in)				
I-C-A	0SC-A-4	25	170	3.0	16.0	8	2	22				
II-C-A	0SC - A - 5	30	170	3.5	17.0	12	2	30				
II-C-A	0SC-A-5	30	340	3.5	21.5	12	2	30				
III-C-A	0SC-A-5	35	170	3.5	19.0	12	2	30				
III-C-A	0SC - A - 5	35	250	3.5	22.5	12	2	30				
III-C-A	0SC-A-5	35	400	3.5	26.5	12	2	30				
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30				

				FOUNDAT	ION DATA T	ABLE		
	Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	А
5-01	5 C 057 I055 L149.30 SB	287+81	II-C-A	3' -6''	709.15	684.15		3' -0''
5-02	5 C 057 I055 R149.10 NB	280+07	I I - C - A	3' -6''	713.87	688.87		3' -0''

		5 21 10								
FILE NAME	FILE NAME = USER NAME = bucklesjj pw:\\L084EBIDINTEG.illinois.gov:PWIDDT\Documents\IDDT Offices\District 5\Projects\D54		DESIGNED -	REVISED -		CANTILEVER SIGN STRUCTURES				
pw:\\IL0846			S3BRAMMData\Besign\Plans.dgn REVISED -		STATE OF ILLINOIS					
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ALUMIN		RUSS &	
\$MODELNAME\$		PLOT DATE = 9/2/2015	DATE -	REVISED -		SCALE:	SHEET	0F	SHEETS	
-										



Divisio State	nois Depar Transporte of Illinois FAI Rt 55					ORING Ramp to Funks					14/13		Ilinois Dep of Transpo tate of Illinois			
												SECTION	FAI Rt 55			
SECTION	-															
COUNTY <u>M</u>				<u>Ho</u>	ollow Stem Au 11	ger H	AMMER TYPE		1	1		COUNTY	MCLEAN	DRILLING N		
STRUCT. NO Station			S U P C T S	M O I	Surface Wa Stream Be	ter Elev d Elev	ft ft	L P	S P T	С	M O I	STRUCT. NO. Station	<u>5 C 057 1055 R</u> 280+00	<u>8149.1</u>	E P	S P T
BORING NO Station	<u>1 Mast Arm</u> <u>287+93</u> 7.00ft W of SBCL	— H	N Qu	S T	Groundwater First Enco	unter	ft	T H	N	Qu	S T	BORING NO Station	2 Mast Arm 280+08 34.00ft E of N	RCI	T H	N
Ground Surface E	lev. <u>708.2</u>	ft (ft) (/	′12") (tsf)	(%)	After	pletion Hrs	ft	(ft)	(/12")) (tsf)	(%)	Ground Surface	Elev. <u>712</u>	<u>2.1 </u>	(ft) (/	'12'
Asphalt Shoulder		708.20			Brown Clay	Loam Till (cont	inued)					Asphalt Shoulder		712.10 711.10	_	
Brown Sand								_	_			Brown Sand			_	
Brown/Gray Mixed (Embankment)	Clay Loam	706.20			Gray Clay L	oam Till	36	6.20 	-			Gray/Brown Clay (Embankment)	Loam	710.10	_	
		_	5					_	3					708.10		7
		5	5 2.3 8 B		89.107278W	,		3.20 -25	4 5 7	1.9 B	13	Black to Gray Si	lty Clay			9 12
		_			End of Bori	ng		_	-							
			4 7 3.3	14	-									705.10		4 5
			8 B						_			Brown Clay Loar	n Till	/03.10		6
									_							
			4 7 1.9	15												3 4
		-10	10 B		-			-30)						-10	7
		697.20														0
Black Silty Clay			4 6 2.9	24				_	_							2 3
			7 B		-				-			(Silt Seam — Tr	ace Free Water)			6
Brown/Gray Mottled	Silty Clay	694.70	4						-			/15/13			_	2
Loam	Silly Cluy		5 3.1	23					-			5 5 5 (Silt Seam)				3
		<u>-15</u> 692.70	7 B					35	5			Silt Seam)			-15	5
Brown Clay Loam T			3									ਲੂ ਲੂ Gray Clay Loam	Till	696.10		2
			3 1.7	14	1											5
			4 B									KS_GRO'				6
			4	1					-			S S				3
			5 2.1 8 B	11	1							DIL BORING			-20	4
The Unconfined Cor The SPT (N value)	npressive Strength is the sum of the	UCS) Failure (UCS) Failure last two blov	Mode is	I indicate n each	II ed by (B-Bulg sampling zon	e, S-Shear, P- e (AASHTO T20)	5)			1] ``	유니 The Unconfined The SPT (N valu	Compressive Stre e) is the sum of	ngth (UCS) f the last t	Failure	
<u> </u>	USER NAME = bucklesjj		DESIGNED		I	REVISED -	BB	S, from	137 (R	ev. 8-9	9)					
= EBIDINTEG.1111no15.gov:PWIDOTN		strict 5\Projects\D5	-		ns.dgn	REVISED - REVISED - REVISED -						ILLINOIS RANSPORTATION		SOIL		
ME\$	PLOT DATE = 9/2/2015		DATE	_		REVISED -					1		SCALE:	SHEET	OF	F

nois Department Transportation ^{of Highways} <u>FAI Rt 55</u> DESCRIPTION	Southbo 	ound Entrance Rar Are			<u>1</u> of <u>1</u> <u>11/14/13</u> <u>CNA</u>	ROUTEFA	ois Depar Transporto ^{of Highways} Illinois	_ DESCRIPTION	Northbo 		nks Grove Rest L		<u>1</u> of <u>1</u> <u>11/14/13</u> <u>CNA</u>		
Sign Structure LOC			22N, RNG. 1E, 3rd PM		<u> </u>	SECTION	Sign Structure			, SEC. 16, TWP. 22N, RNG.					
AcLean DRILLING METHOD 5 C 057 1055	<u>-</u>	Hollow Stem Auger	HAMMER TYPE	Autom	atic	COUNTY <u>Mcl</u>	<u>ean</u> DRIL	LING METHOD	ł	Hollow Stem Auger	_ HAMMER TYPE	Autor	<u>natic</u>		
L149.30 288+00 T <u>1 Mast Arm</u> <u>287+93</u> 7.00ft W of SBCL	C O S I S S	Stream Bed Groundwater E First Encount Upon Comple After	er fl	E P P T T H N	U M C O S I S Qu T tsf) (%)	Station	2 Mast Arm 280+08 00ft E of NBCL 712.1	— P T — T — H N —	C O S I S I Qu T	Groundwater Elev.: First Encounter	ft ft ft	D S E P P T T H N (ft) (/12")	U M C O S I S Qu T (tsf) (%)		
Clay Loam5		Gray Clay Loa	m Till	36.20		Gray/Brown Clay Loa (Embankment)	n	710.10		Gray Silt with Trace Fre	689.1 ee Water	0 7			
5 5 8	5 2.3 15	(GPS Coordina 89.107278W) End of Boring	te: 40.360635N, 68		1.9 13 B	Black to Gray Silty C	ay	708.10 / 9 9 11 		(GPS Coordinate: 40.3 89.108062W) End of Boring		0 <u>-25</u> 8	1.2 14 B		
4	3.3 14	_				Brown Clay Loam Till		705.10 5 6		-					
4 7 	7 1.9 15	-						$-\frac{-3}{-10}$	1.6 16 B	_					
<u>697.20</u> 4 6 7	5 2.9 24 7 B	_				(Silt Seam - Trace F	ree Water)		2.1 15	-					
694.70 4 Silty Clay 5 5 5 5 5 5 5 5 5	i 3.1 23 7 B	_				(Silt Seam)		2 3 5	2.1 15 B	_					
		_				Store Star Clay Loam Till		<u>696.10</u> 5 6	1.4 14 B	-					
4 5 20 8	5 2.1 11					Solu BORING F1		3 4 7	2.1 13 B	_					
mpressive Strength (UCS) Failure I is the sum of the last two blow	Mode is indica values in eact	ted by (B—Bulge, h sampling zone	(AASHTO T206)) S, from 137 (Rev.	8-99)	The Unconfined Comp The SPT (N value) is	ressive Strength the sum of the	(UCS) Failure last two blow	Mode is indica values in eac	ted by (B-Bulge, S-Shear, h sampling zone (AASHTO	T206) BBS,	from 137 (Re	v. 8-99)		
Documents\IDOT_Offices\District_5\Projects\D5463	DESIGNED - BRAWNData\Besign\P: CHECKED -	R#WM9Data\Besign\Plans.dgn REVISED -			STATE OF	ILLINOIS RANSPORTATION	SOIL BORING LOGS								
			ISED -				SCALE:	SHEET OF	SHEETS ST	A. TO STA.	ILLINOIS FED. AID PROJECT				