

GENERAL NOTES

Plan dimensions and details relative to the existing plans are subject to routine variations. The contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials, such variations shall not be cause for additional compensation for a change in the scope of the work, however, the contractor will be paid for the quantity furnished based upon the unit bid price for the work.

This structure will retain the same number SN 227 for sign on I-88, SN 229 for sign on I-74, SN 228 for sign on I-80.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

The final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. This work shall be included in the contract unit price per EACH for TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN and no additional compensation will be allowed.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the contract unit price per EACH for TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work will be included in the contract unit price per EACH for TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN. Seeding will not be permitted at any time when the ground is frozen, wet, or in an untillable condition.

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metalbacked delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Geneseo Telephone 309/944-8025	MidAmerican Energy Company 563/333-8706
Mediacom 309/743-4750	

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

CADD data will be available to Contractors and Consultants working on this project, once the project has been awarded. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files <u>ONLY</u>. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

Electrical work shall conform with national, state, and local codes.

All surplus materials shall be disposed of in accordance with Article 202.03 of the Standard Specification.

U-bolts shall be produced from ASTM A276, Type 304, 304L, 316, condition A, cold finish or an equivalent material acceptable to the engineer. All nuts shall be stainless steel conforming to ASTM A194, Grade 8 (ANSI Type 304) or grade 8F (ANSI type 303). The nuts shall be locknuts with the nylon or steel inserts and semi-finished hexagonal heads equivalent to the finished hex series of the American National Standard. All washers shall be stainless steel conforming to ASTM A240, Type 302. Anti-freeze paste compound shall be used on all mounting hardware field connections.

The contractor shall furnish and install all items required to attach the conduits and junction boxes to the structure, including, but not limited to uni-strut, brackets, seal-tite, lbs., fittings, hardware, and other miscellaneous items. These items will not be paid for separately. But shall be included in the bid price for the conduit attached to structure pay item.

Conduit attachment brackets shall be installed at 8 ft. spacings (maximum) of structures.

All conduit attachment brackets shall be fully galvanized, and all hardware shall be either galvanized or stainless steel.

The contractor shall install thread locker on all attached conduit threaded connections to prevent loosening through vibration.

Any conduit, for its power or communications cabling entering a pole mounted or above ground enclosure, equipment foundation, operational building, maintenance facility, shall be galvanized steel, conduit, the galvanized steel conduit shall extend a minimum of five feet (5') outside concrete foundations, and a minimum of ten feet (10') outside pole mounted/above ground enclosures. The cost of such galvanized steel conduit shall be included in the electrical work for the equipment being connected.

Reinforcement bars shall be epoxy coated.

The equipment cabinet shall be placed on a concrete pedestal that will be a minimum of 12" above finished grade line of the foundation. This work will be included in the contract unit price per foot for CONCRETE FOUNDATION, TYPE D.

Dynamic message sign (DMS) supporting sign structure and foundation work is shown on structural drawings. The installation of these and other foundations, including but not limited to conduits and grounding, shall be coordinated with the electrical work for DMS.

For all intelligent transportations systems (ITS) assemblies/equipment, special labeling for enclosures, cables (power and communications), equipment, etc., shall be provided. The labeling is required at both ends of the ITS assembly component (E.G. inside enclosures at the ITS assembly/component) as well as at the other connecting end (E.G. equipment cabinet/service entrance). The labeling is also required where cables are spliced in handholes and junction boxes, additionally. Spare conduits inside cabinets and facilities shall be labeled as spare and a designation of the other end shall be provided. The cost of labeling shall be included in the work including conversions of the ITS assembly/component special/provision.

The contractor is responsible for all DMS licensing for a complete and operational system.

The contractor is responsible for all programming and virtual private network configuration from the designated remote operations to the DMS contractor shall coordinate with the Department IT for all programming and integration of DMS into the existing Department network.

	USER NAME =	DESIGNED - Engineering Systems	REVISED -							ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME = 64K76.GN.DOCX		DRAWN -	REVISED -	STATE OF ILLINOIS		GENEI	RAL N	OTES		Various	D2 DMS 2019-1	Henry & R.I.	24	2
FILE NAME - 04K70.GN.DOCX	PLOT SCALE =	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		•=						CONTRACT NO). 64K76	
	PLOT DATE = 3/12/2019 2:02 PM	DATE - 2/11/2019 3:26 PM	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJE	ECT	

SUMMARY OF OUANTITIES 100% State

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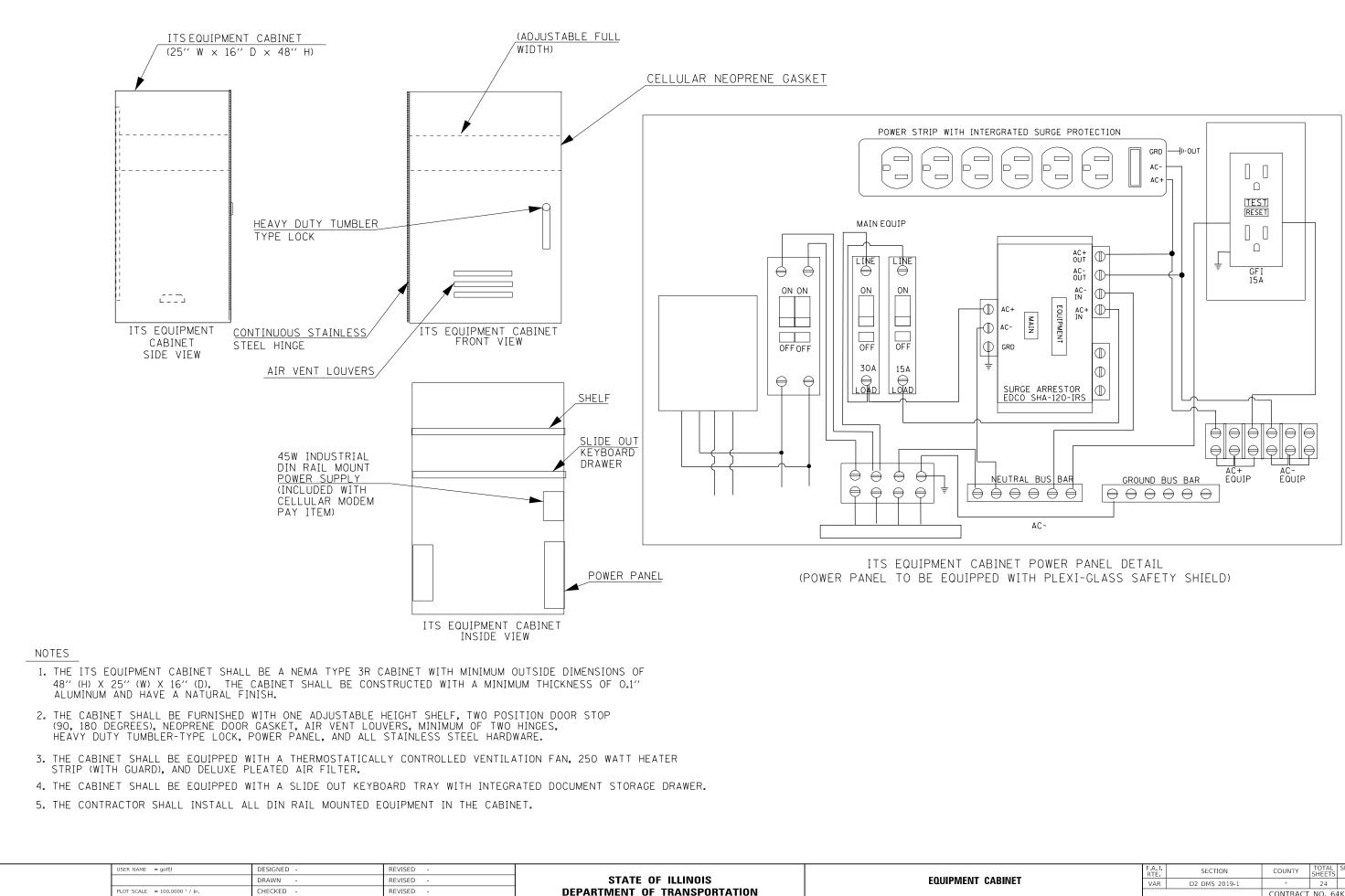
		SUMMARY OF QUANTIT	IES	100% State 0044		
	CODE NO .	ITEM	UNIT	TOTAL QUANTITY	ROCK ISLAND COUNTY	HENRY COUNTY
	48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	94	34	60
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	625	0	625
*	63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	250	250	0
*	63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	50	50	0
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	0	2
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	0	2
	63200310	GUARDRAIL REMOVAL	FOOT	646	477	169
	63302000	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2	EACH	3	1	2
	63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	3	1	2
	64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	0
	64301090	ATTENUATOR BASE	SQ YD	2	2	0
	67100100	MOBILIZATION	L SUM	1	0.33	0.67
	70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	3	1	2
	70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.33	0.67
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.33	0.67
	73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0 ')	FOOT	300	100	200
	73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	60	20	40
*	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	87.2	25.4	61.8
	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	3	1	2
	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	6	2	4
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	8	8
*	72501000	TERMINAL MARKER - DIRECT APPLIES	EACH	2	0	2
	80500100	SERVICE INSTALLATION, TYPE A	EACH	3	1	2
	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	183	64	119
	81702500	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4/C NO. 6	FOOT	473	218	255
	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	9	3	6
	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	3	1	2
	X0325482	REMOVE EXISTING ITS EQUIPMENT	EACH	3	1	2
	X0325485	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	3	1	2
	X0326263	EQUIPMENT CABINET	EACH	3	1	2
	*= SPECIAL	TY ITEM				

USER NAME = goffjl	DESIGNED -	REVISED -							F.A. I. BTF	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS			SUMMAR	Y OF QUANTITIES		VAR	D2 DMS 2019-1	*	24 3
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									* HENRY /	ROCK ISLAND	DE	$V = \frac{7}{10}$

SCHEDULE OF QUANTITIES

					Location	
CODE			TOTAL	SN-227	SN-229	SN-228
NO.	ITEM	UNIT			2S0371074L015.7	
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	94.0	34	34	26
62000001			625.0		250	275
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	625.0	0	350	275
63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	250.0	250	0	0
63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	50.0	50	0	0
63100045	TRAFFIC TERMINAL BARRIER, TYPE 2	EACH	2.0	0	1	1
03100043	INAFFIC TERMINAL DARRIER, TIPE 2	EACH	2.0	0	1	1
63100167	TRAFFIC TERMINAL BARRIER, TYPE 1 (SPECIAL) TANGENT	EACH	2.0	0	1	1
63200310	GUARDRAIL REMOVAL	FOOT	646.0	477	169	0
63302000	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2	EACH	3.0	1	1	1
03302000	REMOVE AND RELECT HATTLE DARRIER TERMINALD, THE 2	EACH				1
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	3.0	1	1	1
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2.0	2	0	0
64301090	ATTENUATOR BASE	EACH	2.0	2	0	0
01301030		Entern	2.0	-	Ŭ	•
67100100	MOBILIZATION	L SUM	1.0	0.4	0.3	0.3
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	3.0	1	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	0.4	0.3	0.3
, 0100,00		2 3011	1.0	011	010	0.5
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1.0	0.4	0.3	0.3
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0 ')	FOOT	300.0	100	100	100
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	60.0	20	20	20
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	87.2	25.4	39.1	22.7
72600100		EACH	0.4	1	1	1
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	94	I	1	1
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	6.0	2	2	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16.0	8	4	4
78201000	TERMINAL MARKER - DIRECT APPLIES	EACH	2.0	0	1	1
70201000		LACH	2.0	0	1	1
80500100	SERVICE INSTALLATION, TYPE A	EACH	3.0	1	1	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	183.0	64	55	64
81702500	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4/C NO. 6	FOOT	473.0	218	155	100
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	9.0	3	3	3
					-	
89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	3.0	1	1	1
X0325482	REMOVE EXISTING ITS EQUIPMENT	EACH	3.0	1	1	1
					_	
X0325485	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	3.0	1	1	1
X0326263	EQUIPMENT CABINET	EACH	3.0	1	1	1

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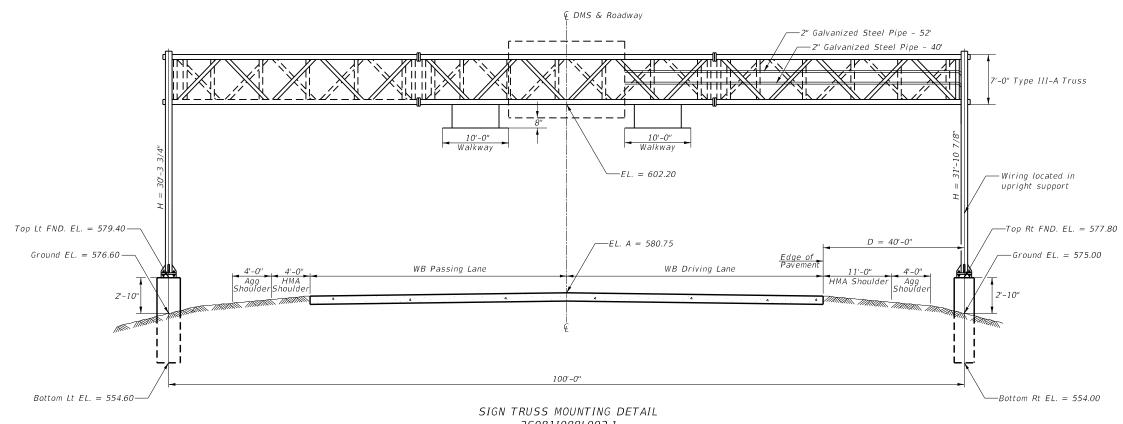


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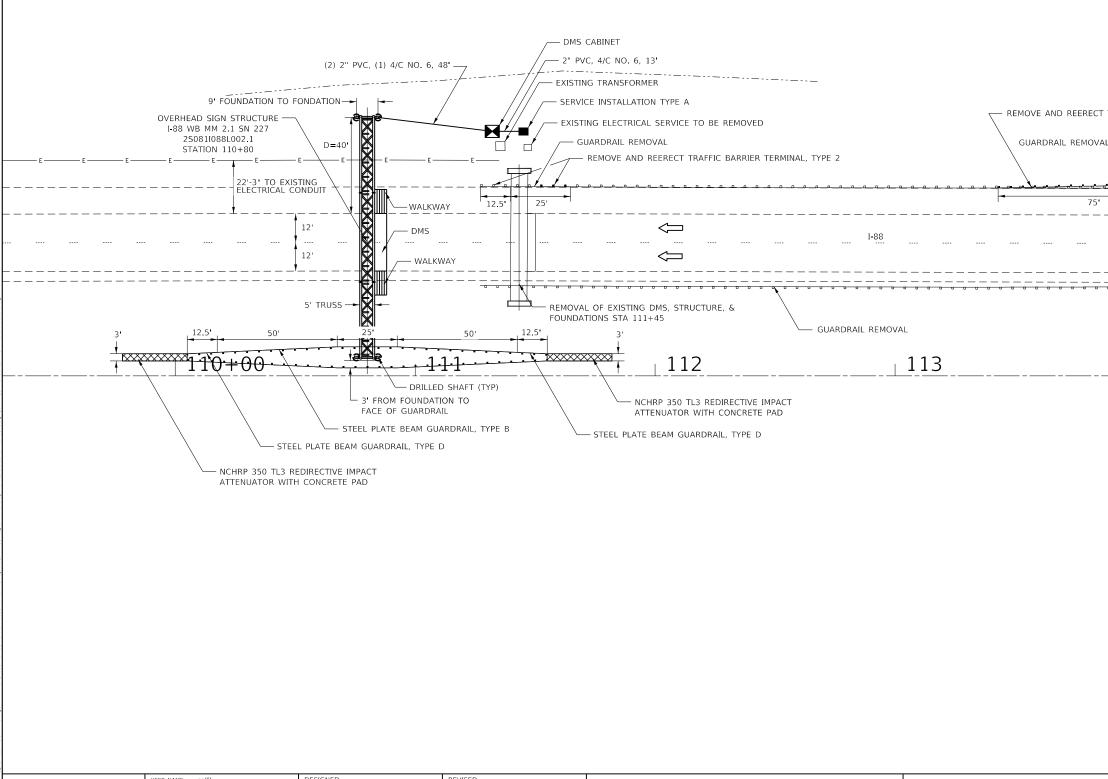
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SIGN TRUSS MOUNTING DETAI 250811088L002.1 I-88 Westbound STA 110+80

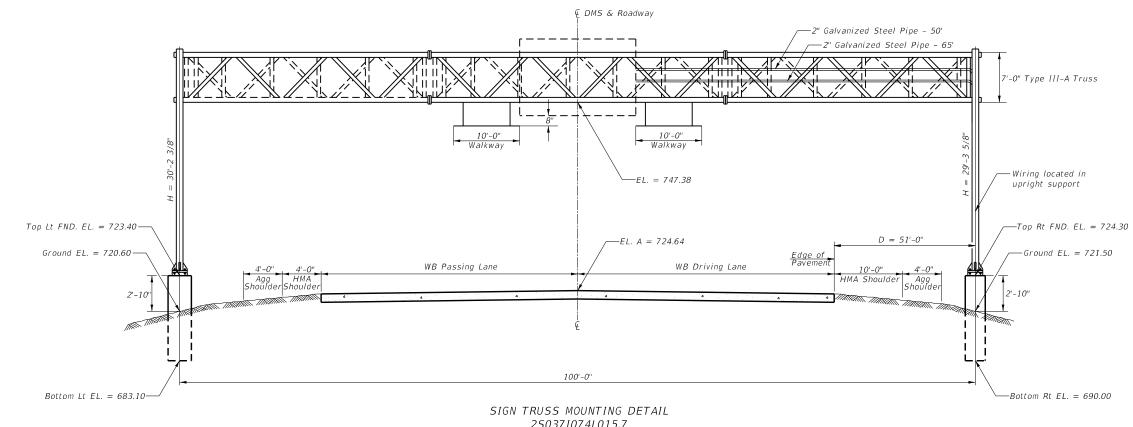
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										* HENRY	/ ROCK ISLAND			

Note: Benchmark El. = 580.4626 chiseled square on top of south foundation, southwest corner



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TRAFFIC BARRIER TERMINA	AL, TYPE 1						
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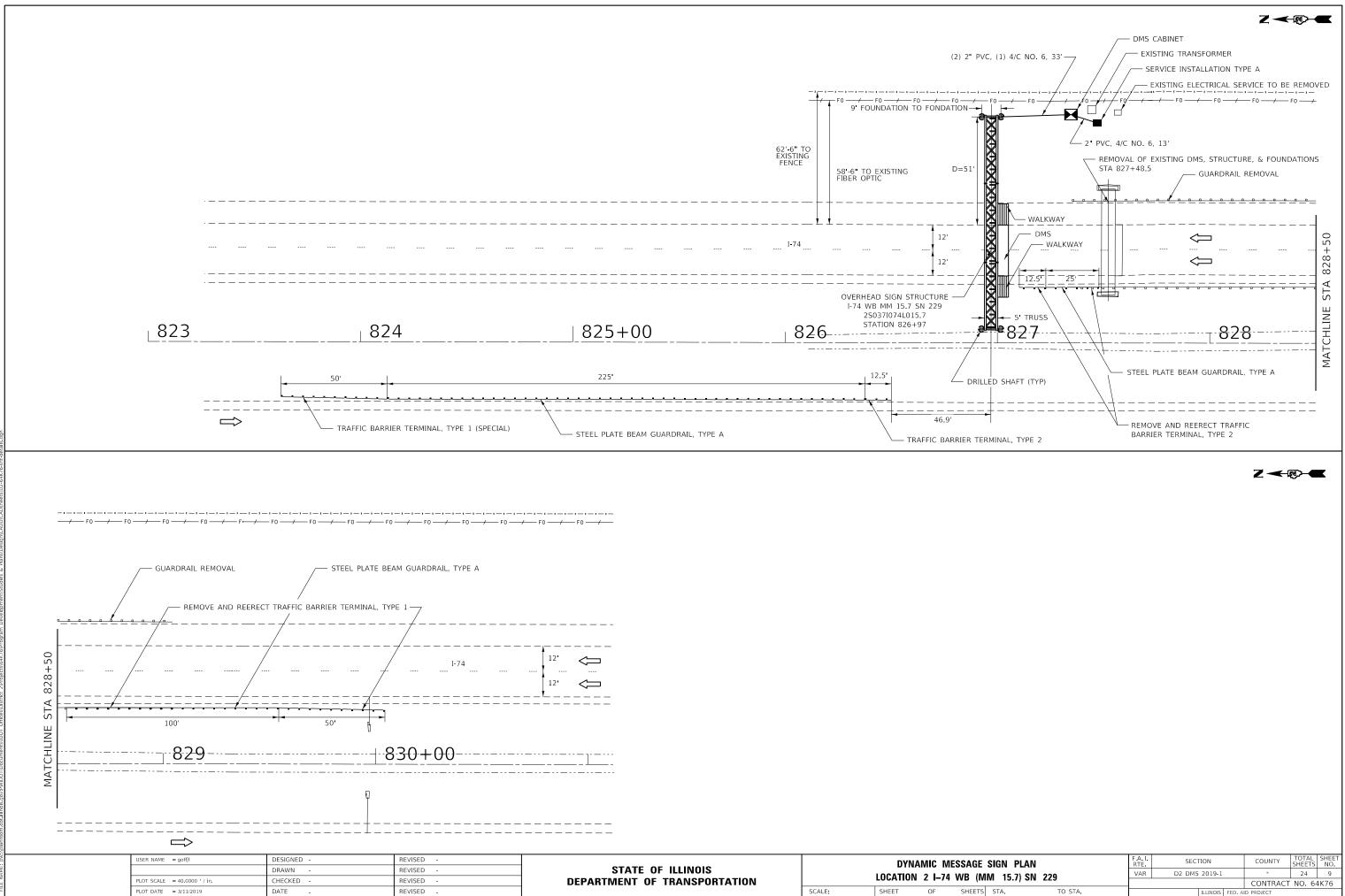


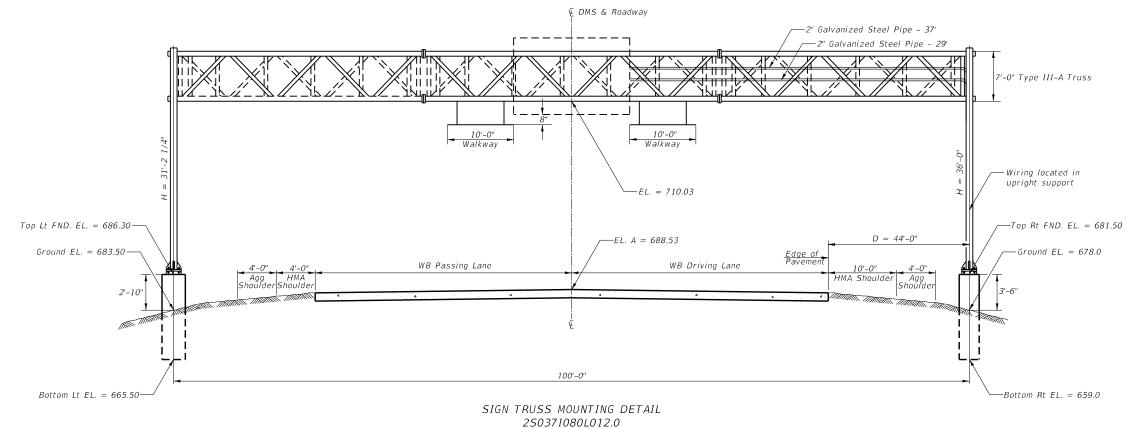
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									* HENRY /	ROCK ISLAND			

Note: Benchmark EI. = 724.6805 chiseled square on top of west foundation, west side





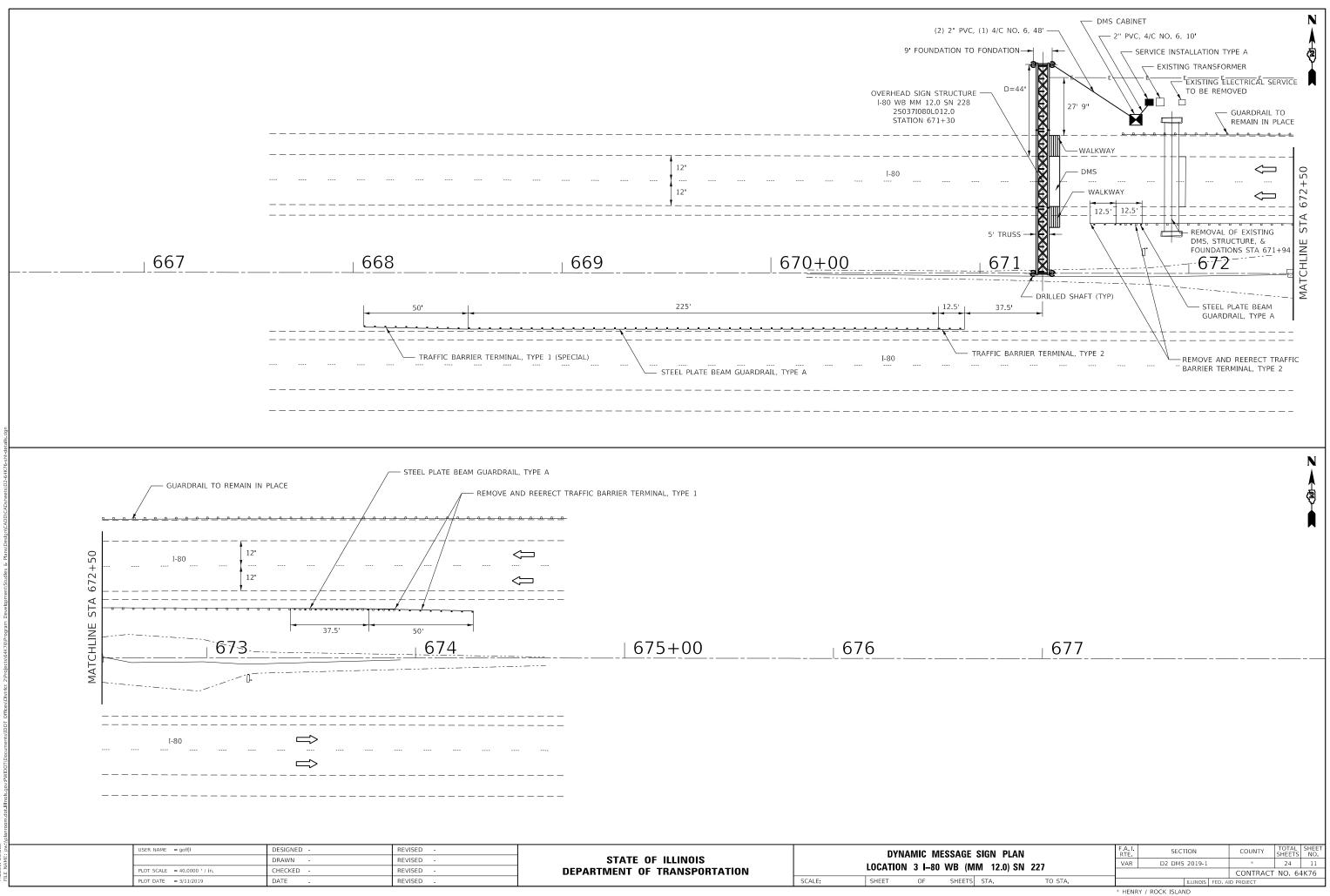


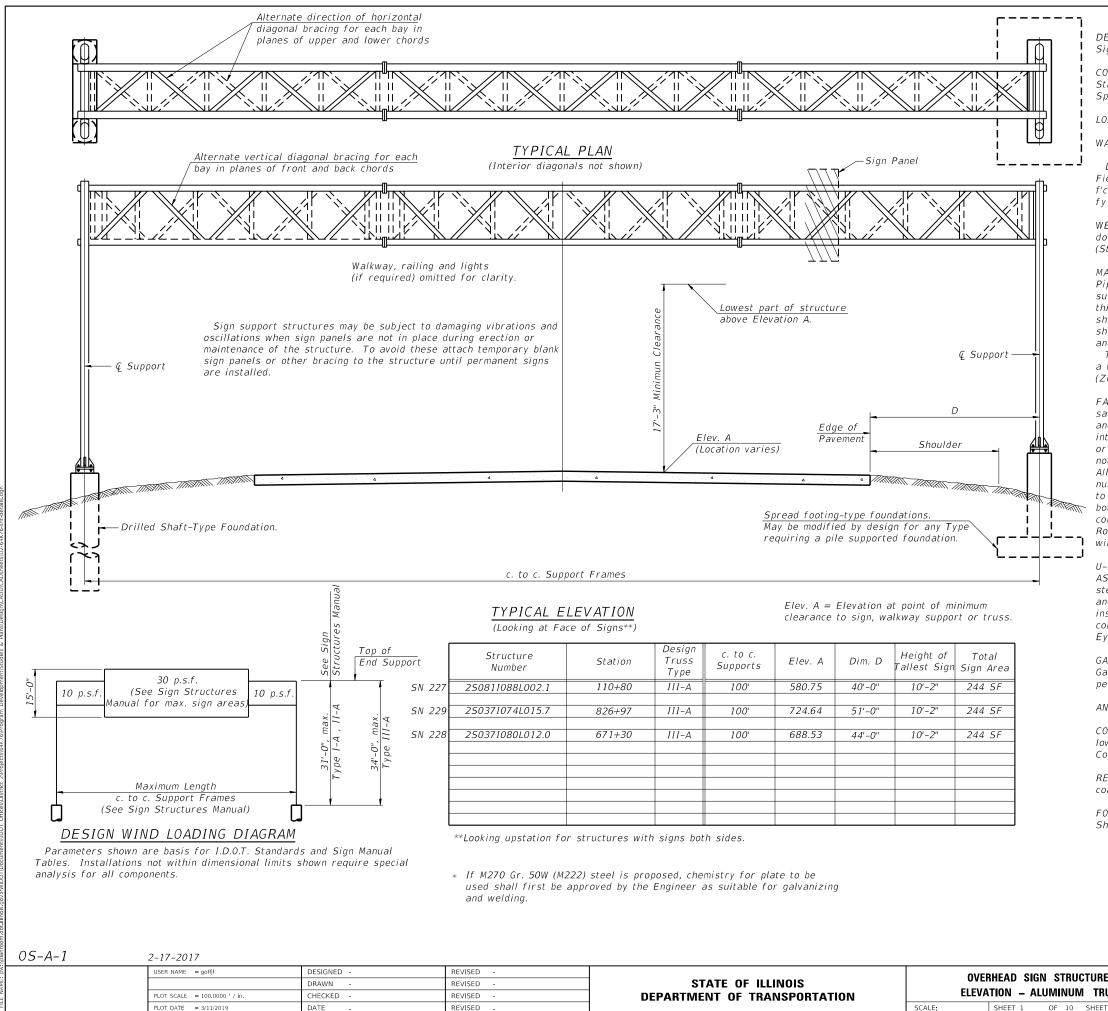
250371080L012.0 I-80 Westbound STA 671+30

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	DRAWN -	REVISED -	STATE OF ILLINOIS		_				202	VAR	D2 DMS 2019-1	*	24 10	-
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										* HENRY /	BOCK ISLAND			_

Note: Benchmark EL = 687.225 chiseled square on top of south foundation, southwest corner

HENRY / ROCK ISLAND





GENERAL NOTES

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.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (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 reauired.

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 ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

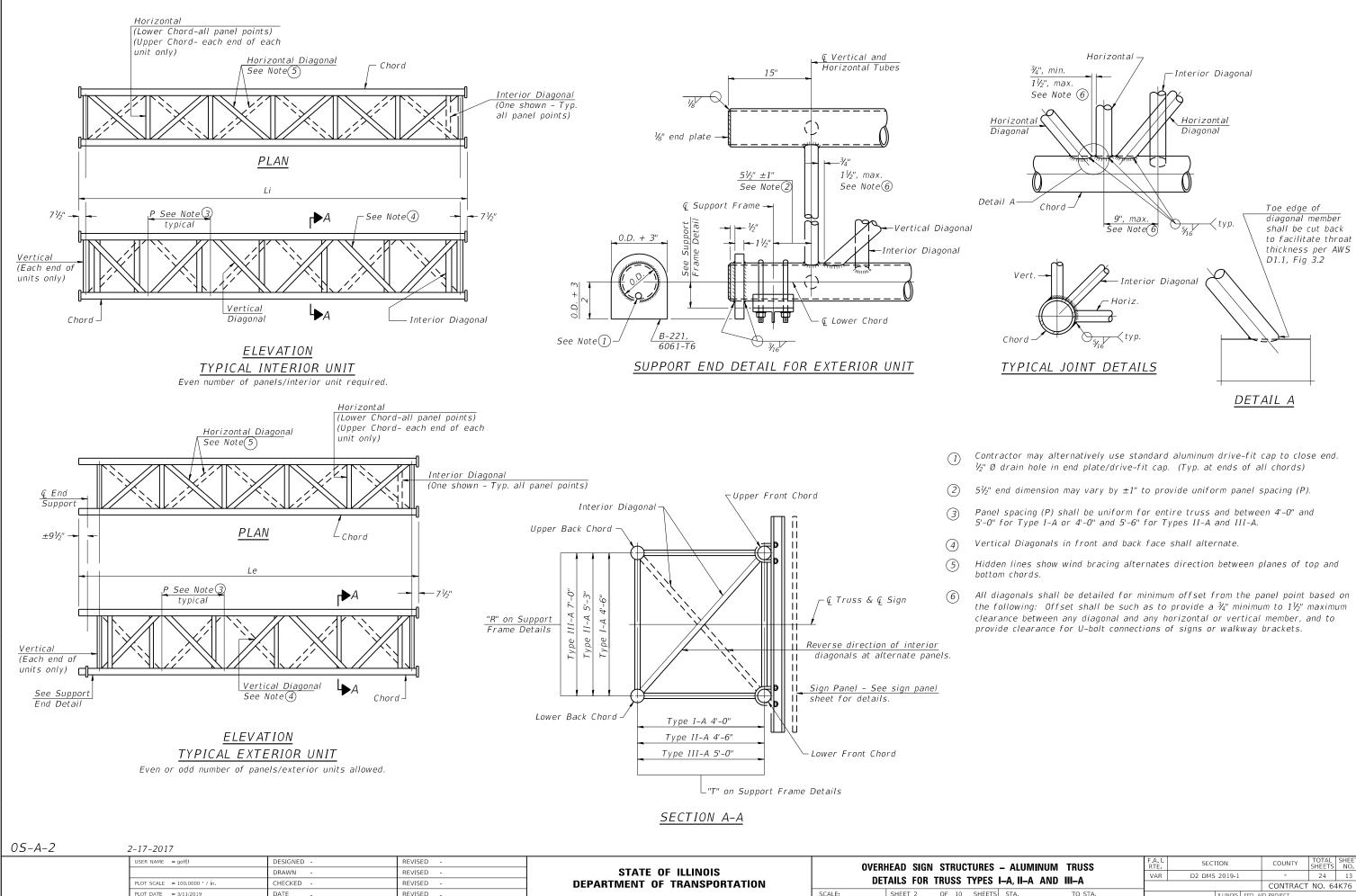
REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	0
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	0
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	300
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	60
CONCRETE FOUNDATIONS	Cu. Yds.	0
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	87.2

S	S – GENERAL PLAN &			I. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	ISS & STEEL SUPPORTS		VAR	D2 DMS	2019-1		*	24	12
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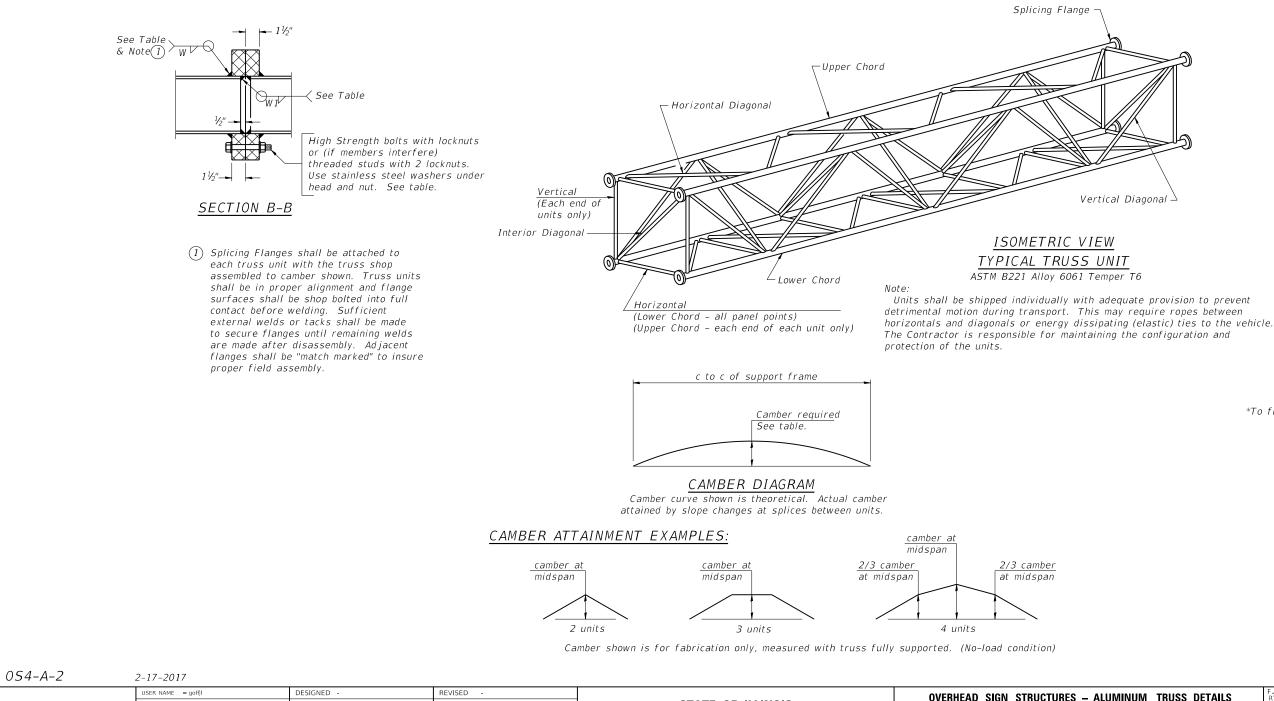


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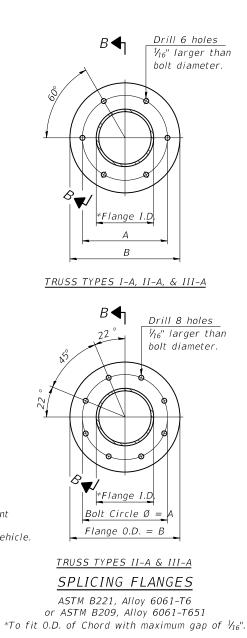
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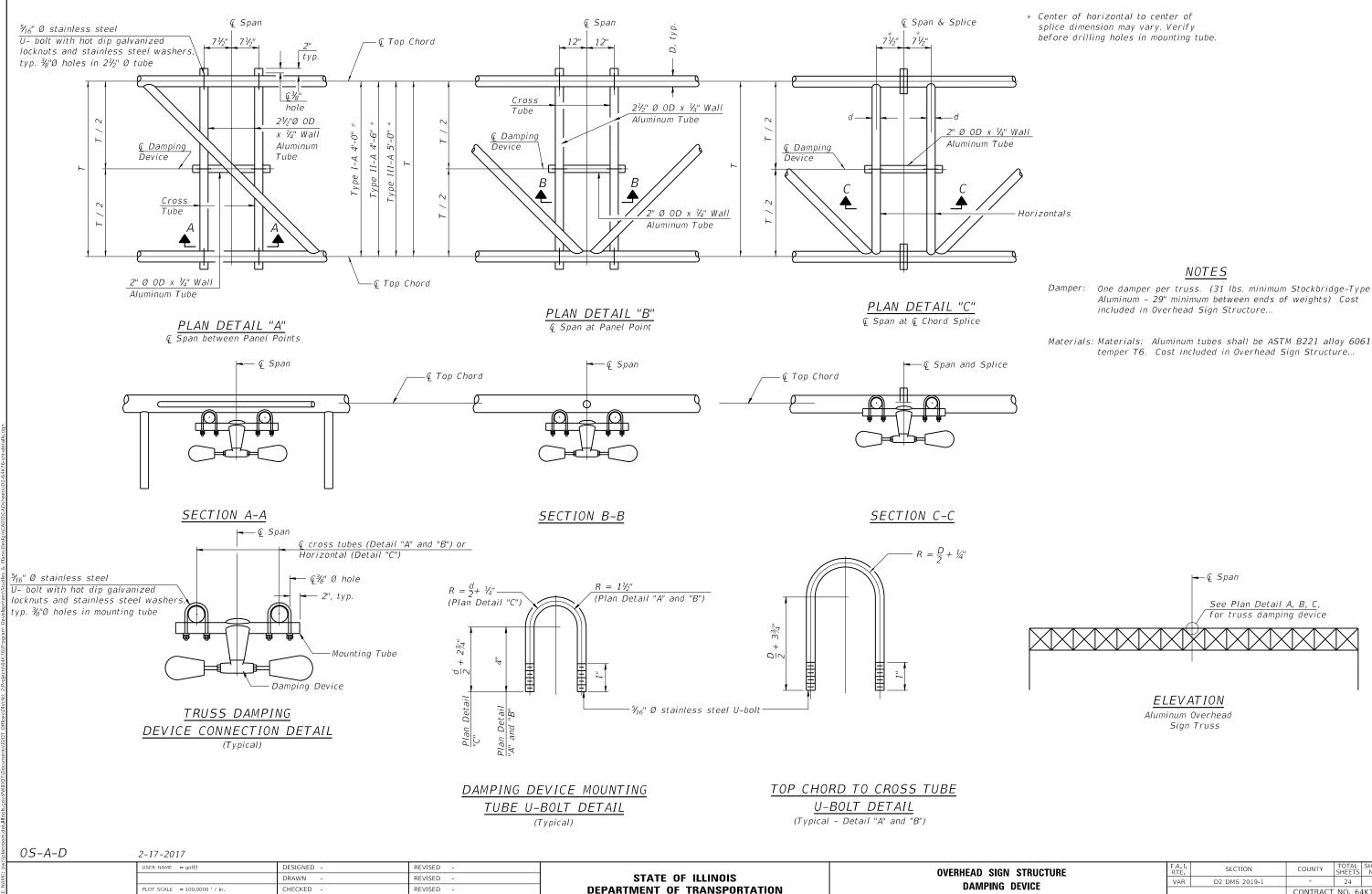
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	-A, II-A AND		VAR	D2 DMS 2	019-1		*	24	13
1	-A, II-A AND	III-A					CONTRAC	NO. 64	4K76
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Structure	Station	Design Truss		Exterior Units (2) Interior Unit		Exterior Units (2)						Upper & Lower Verticals; Horizontals; Chord Vertical,Horizontal,		Camber at	Pol					
Number	Station	Type							1 1	0.D.	Wall	0.D.	-	Midspan			Weia	W1	А	В
250811088L002.1	110+80	III-A	6				6	33'-6"	5'-4 1/2"	7"	5/16"	3 1/4"	5/16"	2 3/8"	6	1"	7/16"	5/16"	11 1/2"	15"
250371074L015.7	826+97	III-A	6	34'-1 1/2"	5'-4 1/2'	1	6	33'-6"	5'-4 1/2"	7"	5/16"	3 1/4"	5/16"	2 3/8"	6	1"	7/16"	5/16"	11 1/2"	15"
250371080L012.0	671+30	III-A	6	34'-1 1/2"	5'-4 1/2'	1	6	33'-6"	5'-4 1/2"	8 1/2"	1/2"	3 1/2"	5/16"	2 3/8"	8	1 1/4"	9/16"	7/16"	13"	16 1/2"
	Number 250811088L002.1 250371074L015.7	Number Station 250811088L002.1 110+80 250371074L015.7 826+97	Structure Number Station Truss Type 250811088L002.1 110+80 111-A 250371074L015.7 826+97 111-A	Structure Number Station Truss Type No. Panels per Unit 250811088L002.1 110+80 III-A 6 250371074L015.7 826+97 111-A 6	Structure Number Station Truss Type Init per Unit Lgth.(Le) 250811088L002.1 110+80 III-A 6 34'-1 1/2" 250371074L015.7 826+97 III-A 6 34'-1 1/2"	Structure Number Station Truss Type Intervention (i) 250811088L002.1 110+80 III-A 6 34'-1 1/2" 5'-4 1/2" 250371074L015.7 826+97 III-A 6 34'-1 1/2" 5'-4 1/2"	Structure Number Station Truss Type Init of the constraint of th	Structure Number Station Design Truss Type Exterior Units (2) Interior 250811088L002.1 110+80 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 250371074L015.7 826+97 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6	$\frac{1}{250371074L015.7}$ $\frac{1}{25081088L002.1}$ $\frac{1}{10+80}$ $\frac{1}{11-A}$ $\frac{1}{1-$	$\frac{1}{250371074L015.7}$ $\frac{1}{25081088}$ $\frac{1}{10000000000000000000000000000000000$	$\frac{1}{250371074L015.7}$ $\frac{Design}{Station}$ $\frac{Design}{Truss} Truss Type$ $\frac{Design}{Truss} Type$ $\frac{Exterior Units (2)}{No. Panels}$ $\frac{Unit}{Lgth(Le)}$ $\frac{Data}{Lgth(Le)}$ $\frac{Unit}{Lgth(Le)}$ $\frac{Panel}{Lgth(P)}$ $\frac{No. No. Panels}{Per Unit}$ $\frac{No. No. Panels}{Lgth(Li)}$ $\frac{Unit}{Lgth(Li)}$ $\frac{Panel}{Lgth(Li)}$ $\frac{Unit}{Lgth(Li)}$ $\frac{Panel}{Lgth(Li)}$ $\frac{Vanel}{Lgth(P)}$ $\frac{Vanel}{Truss}$ $\frac{Vanel}{Tr$	Structure Number Design Truss Type Exterior Units (2) Interior Unit Upper & Lower Chord Station Design Truss Type Exterior Unit Panel Lgth.(Le) No. No. Panels Unit Panel Unit Panel Unit Panel Unit Panel Unit Lgth.(Li) Unit Design Chord Wall 250811088L002.1 110+80 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 250371074L015.7 826+97 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16"	$\frac{1}{250371074L015.7}$ $\frac{Design}{Station}$ $\frac{Design}{Truss}{Type}$ $\frac{Design}{Truss}{Type}$ $\frac{Exterior Units (2)}{No. Panels}$ $\frac{Unit}{Lgth.(Le)}$ $\frac{Panel}{Lgth.(P)}$ $\frac{No. No. Panels}{Per Unit}$ $\frac{No. No. Panels}{Lgth.(Le)}$ $\frac{No. No. Panels}{Lgth.(Li)}$ $\frac{Unit}{Lgth.(P)}$ $\frac{Design}{Lgth.(P)}$ $\frac{No. No. Panels}{Lgth.(Li)}$ $\frac{No. No. Panels}{Lgth.(P)}$ $\frac{No. No. Panels}{Lgth.(P)$	Structure Number Design Truss Type Exterior Units (2) Interior Unit Unit Interior Unit Upper & Lower Chord Verticals; Horizontals; Vertical, Horizontals; Vertical, Horizontals; Vertical, Horizontal, and Interior Diagonals Station Design Truss Type Init Panel Lgth.(Le) No. No. No. Panels Unit Panel Per Unit Upper & Lower Chord Verticals; Horizontals; and Interior Diagonals 250811088L002.1 110+80 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 250371074L015.7 826+97 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 250371074L015.7 826+97 111-A 6 34'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16"	Structure Number Design Truss Type Exterior Units (2) Interior Unit Upper & Lower Chord Verticals; Horizontals; Vertical,Horizontals; Vertical,Horizontal, and Interior Diagonals Station Design Truss Type Exterior Unit Panel Lgth.(Le) No. No. Panels Unit Panel Red'd. Unit Lgth.(Li) Lgth.(Li) Lgth.(Li) Lgth.(Li) Lgth.(Li) Lgth.(Li) Lgth.(Li) Unit Panel Lgth.(Li) Unit Panel Lgth.(Li) Unit Panel Lgth.(Li) Unit Station Station	Structure Number Design Truss Type Exterior Units (2) Interior Unit Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Uni	Structure Number Design Truss Type Exterior Units (2) Interior Unit Panel Lgth.(L) No. Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) No. Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) No. No. Panel Lgth.(L) Panel Lgth.(L) No. Panel Lgth.(L) Panel Lgth.(L) Panel Lgth.(L) No. Panel Lgth.(L) Panel Lgt	Structure Number Design Truss Type Exterior Units (2) Interior Unit Panel Lgth.(2) Interior Unit Unit Lgth.(2) Interior Unit Unit Lgth.(2) Unit Panel Red' Unit Panel Red' Unit Panel Lgth.(2) Unit Panel Red' Unit Panel Red' Unit Panel Station Unit Unit Panel Station Unit Unit Unit Panel Station Unit Unit <thu< td=""><td>Structure Number Design Truss Type Exterior Units (2) Interior Unit Lgth.(L) Unit Panel Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) Unit Panel Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Panel Lgth.(L) Verticals; Unit Lgth.(L) Gall Gamber Chord Gamber Chord Mail O.D. Wall Camber Mail Gamber Midspan Mo. Splice Dial Wei Sizes 250811088L002.1 110+80 111-A 6 34-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 2 3/8" 6 1" 7/16" 5/16" 250371074L015.7 826+97 111-A 6 3'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 2 3/8" 6 1" 7/16" 5/16" 250371074L015.7 826+97 111-A 6 3'-1 1/2" 5'-4 1/2" 1 6 3'-6" 5'-4 1/2" 7" 5/16" 3 1/</td><td>Structure Number Design Truss Type Exterior Units (2) Interior Unit Unit Lgth.(L) Panel Lgth.(P) Unit Lgth.(L) Panel Station Vertical,Horizontal, and Interior Diagonals Camber Number Station Station Station Station Station Station Station Interior Unit Value Station No. No. No. No. No. No. No. Panel Lgth.(L) Unit Dit Dit</td></thu<>	Structure Number Design Truss Type Exterior Units (2) Interior Unit Lgth.(L) Unit Panel Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) No. Panels Lgth.(L) Unit Panel Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Unit Lgth.(L) Panel Lgth.(L) Panel Lgth.(L) Verticals; Unit Lgth.(L) Gall Gamber Chord Gamber Chord Mail O.D. Wall Camber Mail Gamber Midspan Mo. Splice Dial Wei Sizes 250811088L002.1 110+80 111-A 6 34-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 2 3/8" 6 1" 7/16" 5/16" 250371074L015.7 826+97 111-A 6 3'-1 1/2" 5'-4 1/2" 1 6 33'-6" 5'-4 1/2" 7" 5/16" 3 1/4" 5/16" 2 3/8" 6 1" 7/16" 5/16" 250371074L015.7 826+97 111-A 6 3'-1 1/2" 5'-4 1/2" 1 6 3'-6" 5'-4 1/2" 7" 5/16" 3 1/	Structure Number Design Truss Type Exterior Units (2) Interior Unit Unit Lgth.(L) Panel Lgth.(P) Unit Lgth.(L) Panel Station Vertical,Horizontal, and Interior Diagonals Camber Number Station Station Station Station Station Station Station Interior Unit Value Station No. No. No. No. No. No. No. Panel Lgth.(L) Unit Dit Dit



: pwr	USER NAME = goffjl	DESIGNED -	REVISED -		OVERHEA	D SIGN STRUCTURES – A	LUMINUM TRUSS DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
AME		DRAWN -	REVISED -	STATE OF ILLINOIS		FOR TRUSS TYPES I-A,		VAR	D2 DMS 2019-1	*	24 14
ITE P	PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TON TROSS TIFES I-A;	II-A AND III-A			CONTRACT	NO 64K76
ΣE	PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET 3 OF 10 SHEETS	STA. TO STA.		ILLINOIS FED. A	ID PROJECT	



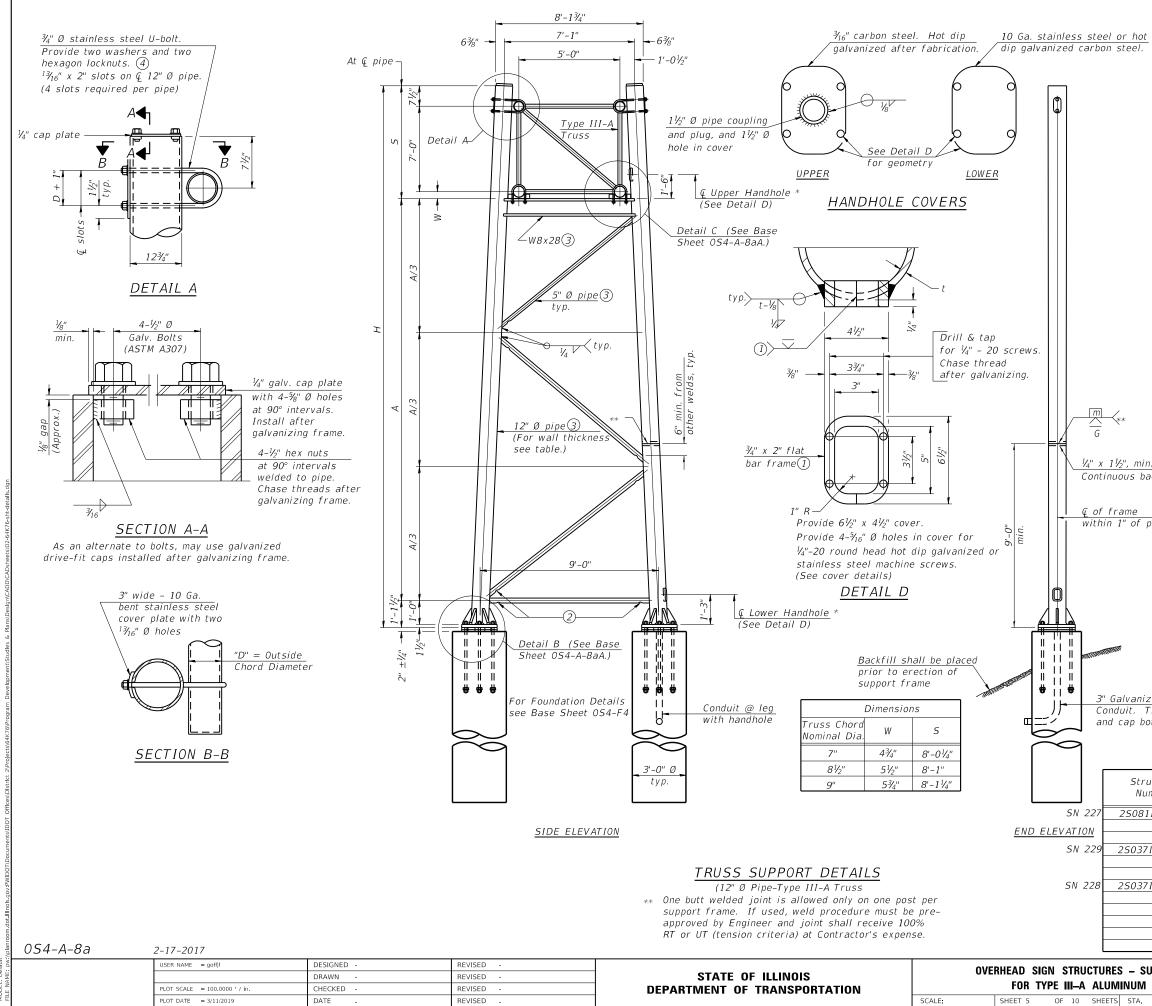


DATE

REVISED

SCALE:

	OVERHEAD SIGN STRUCTURE Damping device						F.A. I RTE VAR	SECTION D2 DMS 2019-1	COUNTY *	TOTAL SHEETS 24	
									CONTRACT	ΓNO. 64	1K76
SI	HEET 4	OF	10	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



or hot steel.	ē	Support Design Loads: See Base Sheet 0S-A-1 for design and loading criteria. Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign b) 60% wind normal to sign, 30% parallel to sign
	1	In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μin or less.
	2	Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
	3	Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
	4	See General Notes for fasteners.
	5	Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

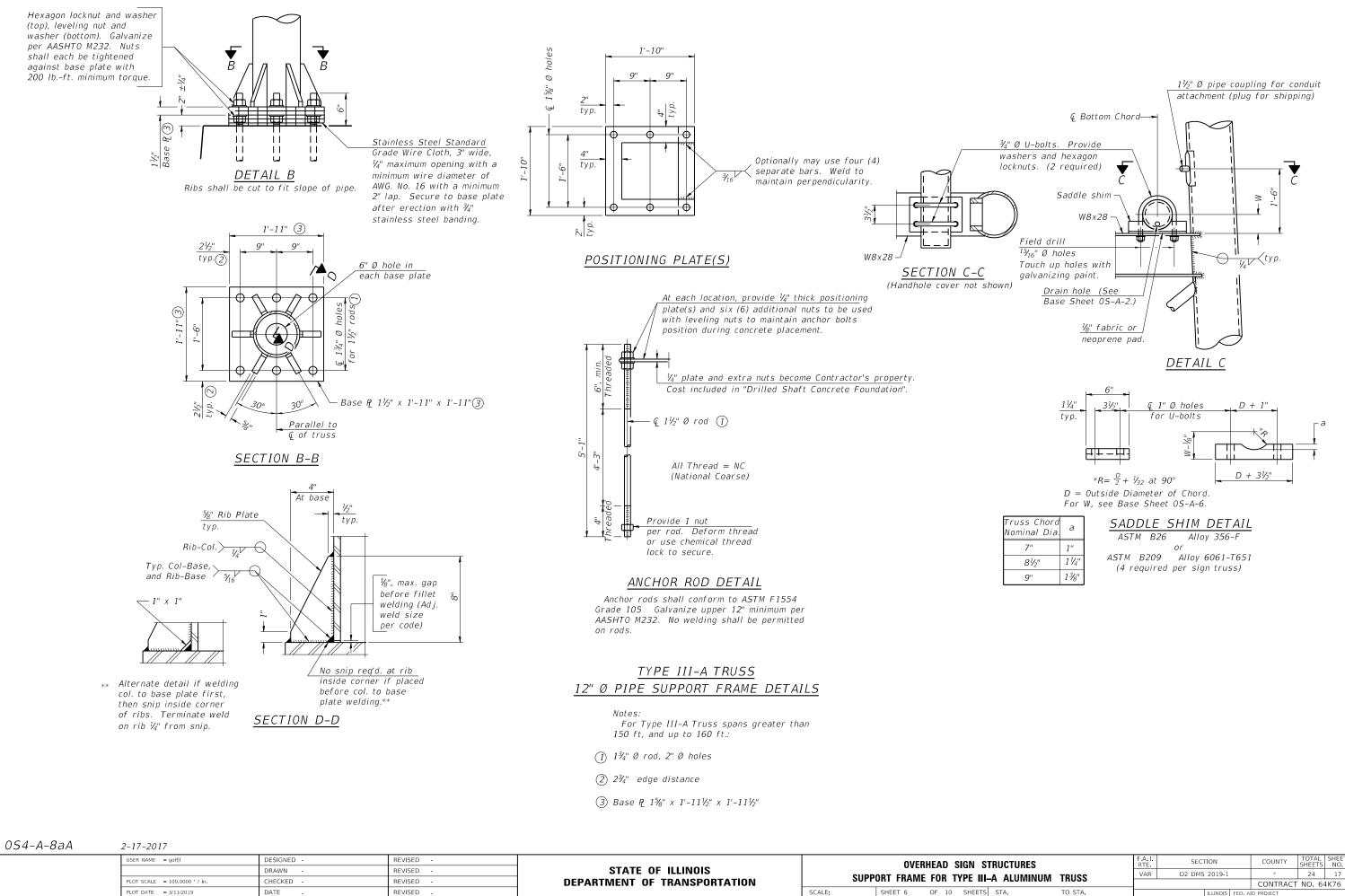
- (6) "H" based on 15'-0" or actual sign height, whichever is greater.
- * For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Continuous backing ring

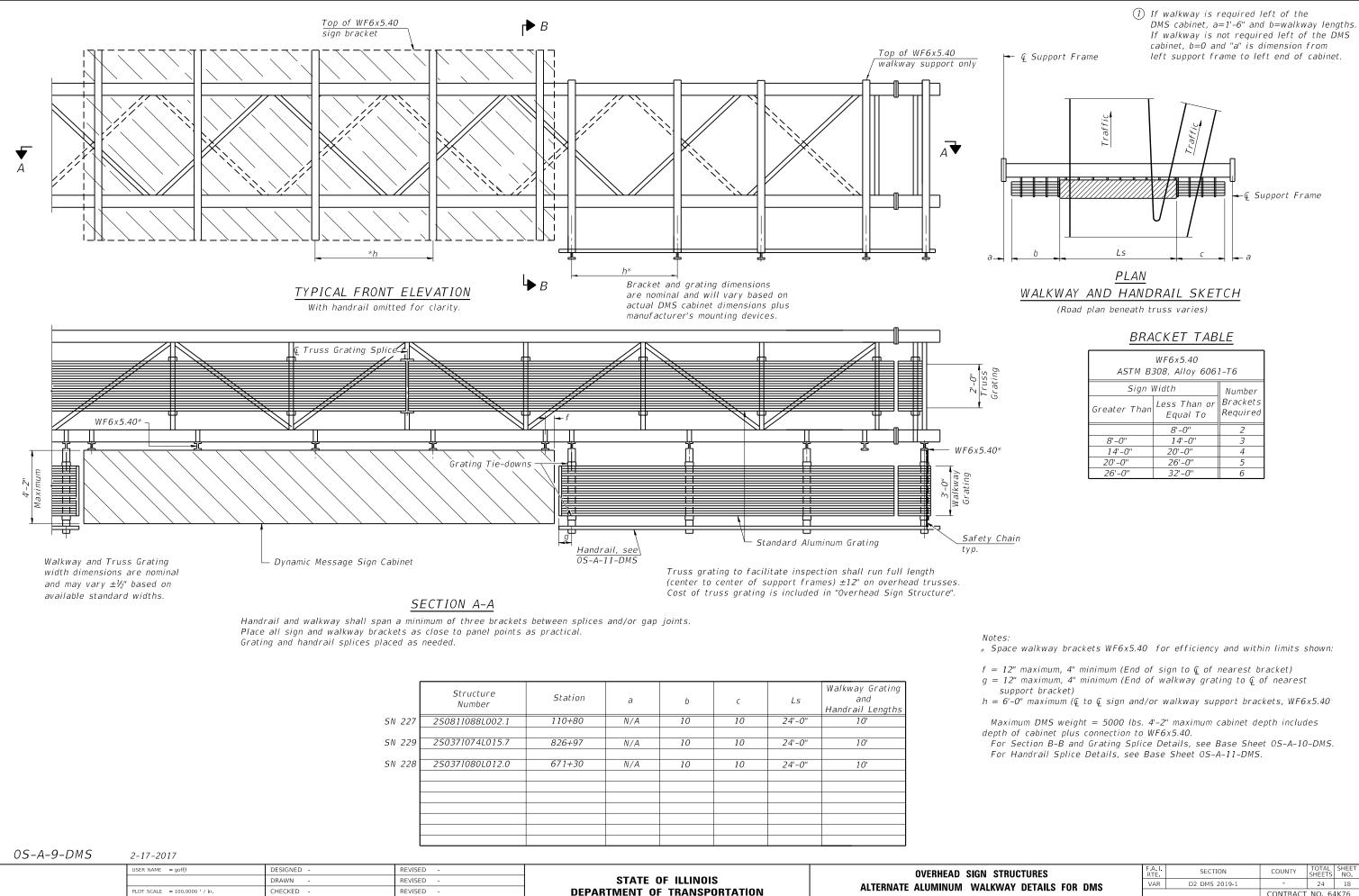
within 1" of plumb

<u>3" Galvanized Steel</u> Conduit. Thread and cap both ends.

Structure	Station	S	upport	Pipe Wall	Н	
Number	Station	Lef	t Right	Thickness	6	A
250811088L002.1	110+80	X		0.33"	30'-3 3/4'	21'-2"
			X	0.33"	31'-10 7/8	" 22'-9 1/8"
2S037I074L015.7	826+97	X		0.33"	30'-2 3/8"	21'-0 5/8"
			X	0.33"	29'-3 5/8"	20'-1 7/8"
250371080L012.0	671+30	X		0.5"	31'-2 1/4"	21'-11 3/4"
			X	0.5"	36'-0"	26'-9 1/2"
		_				
		F.A.I.				TOTAL SHEET
ES – SUPPORT FRAM	E [RTE	SECT	ION		SHEETS NO.
MINUM TRUSS		VAR	D2 DMS	2019-1	*	24 16
					CONTRACT	NO. 64K76
TS STA. TO S				ILLINOIS FED. AID	PROJECT	
		* HENRY /	ROCK ISLAN	1D		



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AME:		DRAWN -	REVISED -	STATE OF ILLINOIS				
E N.	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SOPP	ORT FRAM	E FOR I	YPE III–A
M	PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET 6	OF 10	SHEETS S

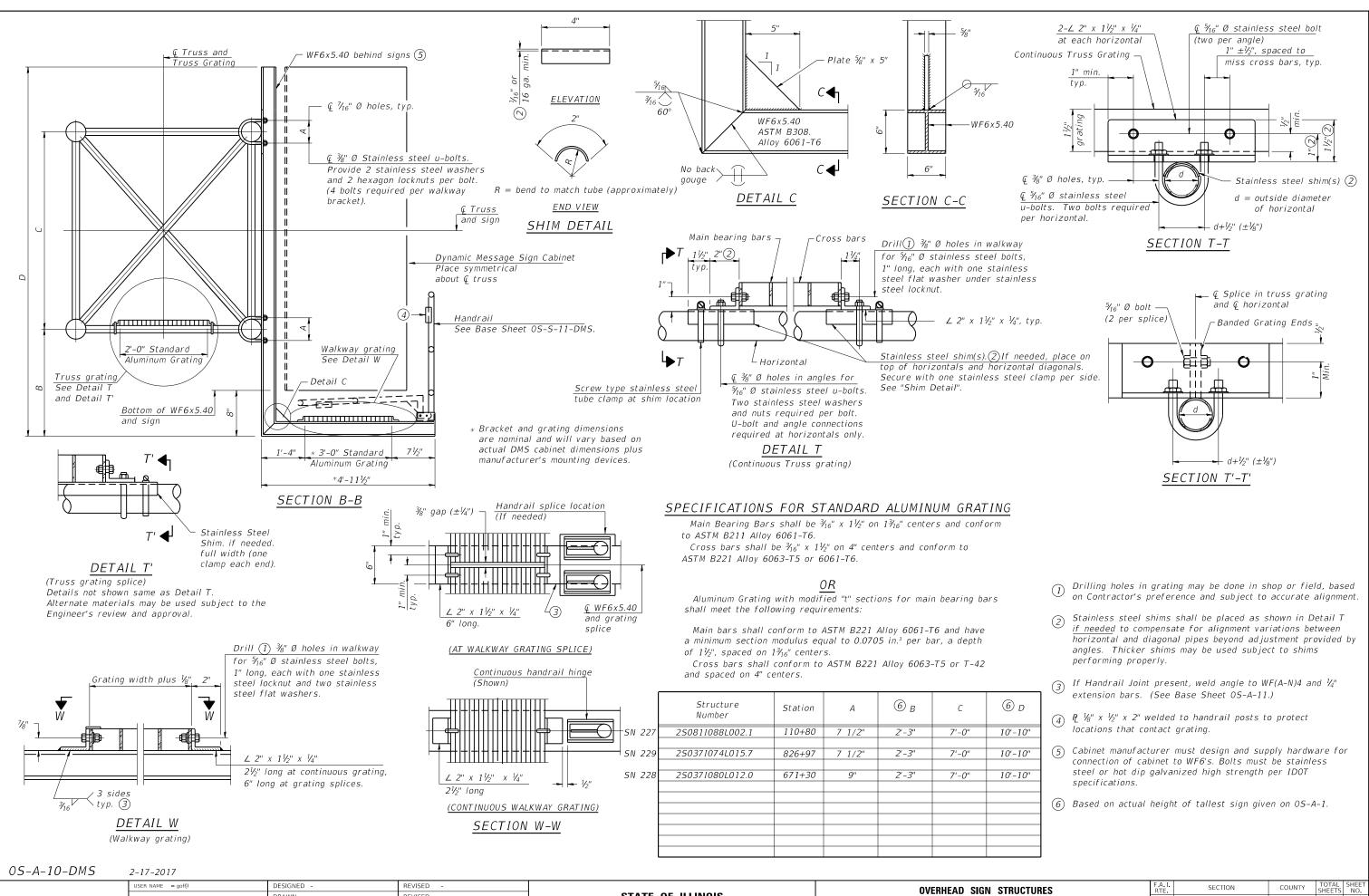


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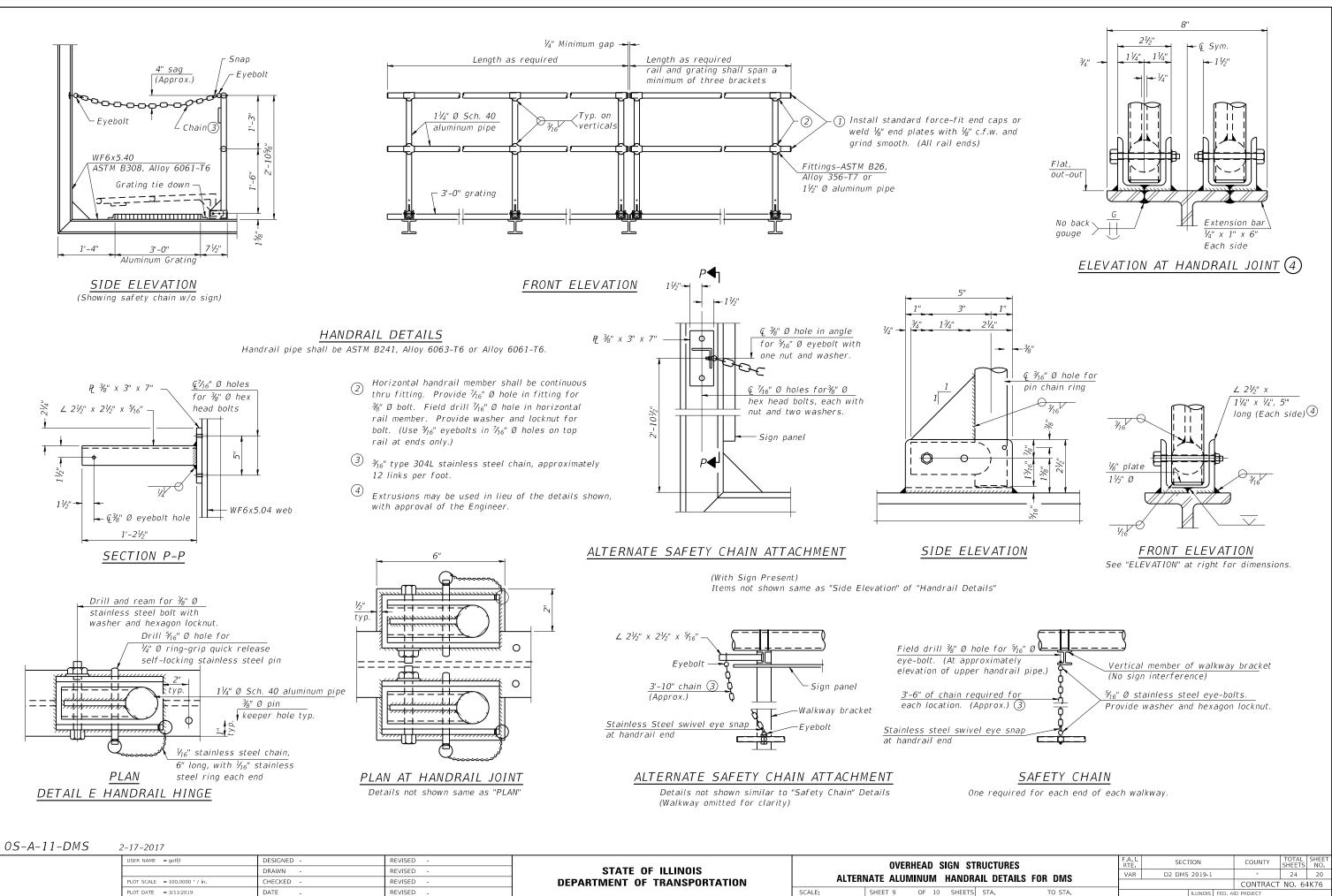
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SCALE: SHEET 7 OF 10 SHEET

S	STRUCTURES				SECT	TION		COUNTY	TOTAL SHEETS	SHEET NO.
I K/	νav	DETAILS FOR	DMS	VAR	D2 DMS	2019-1		*	24	18
	KWAY DETAILS FOR DMS							CONTRACT	NO. 64	4K76
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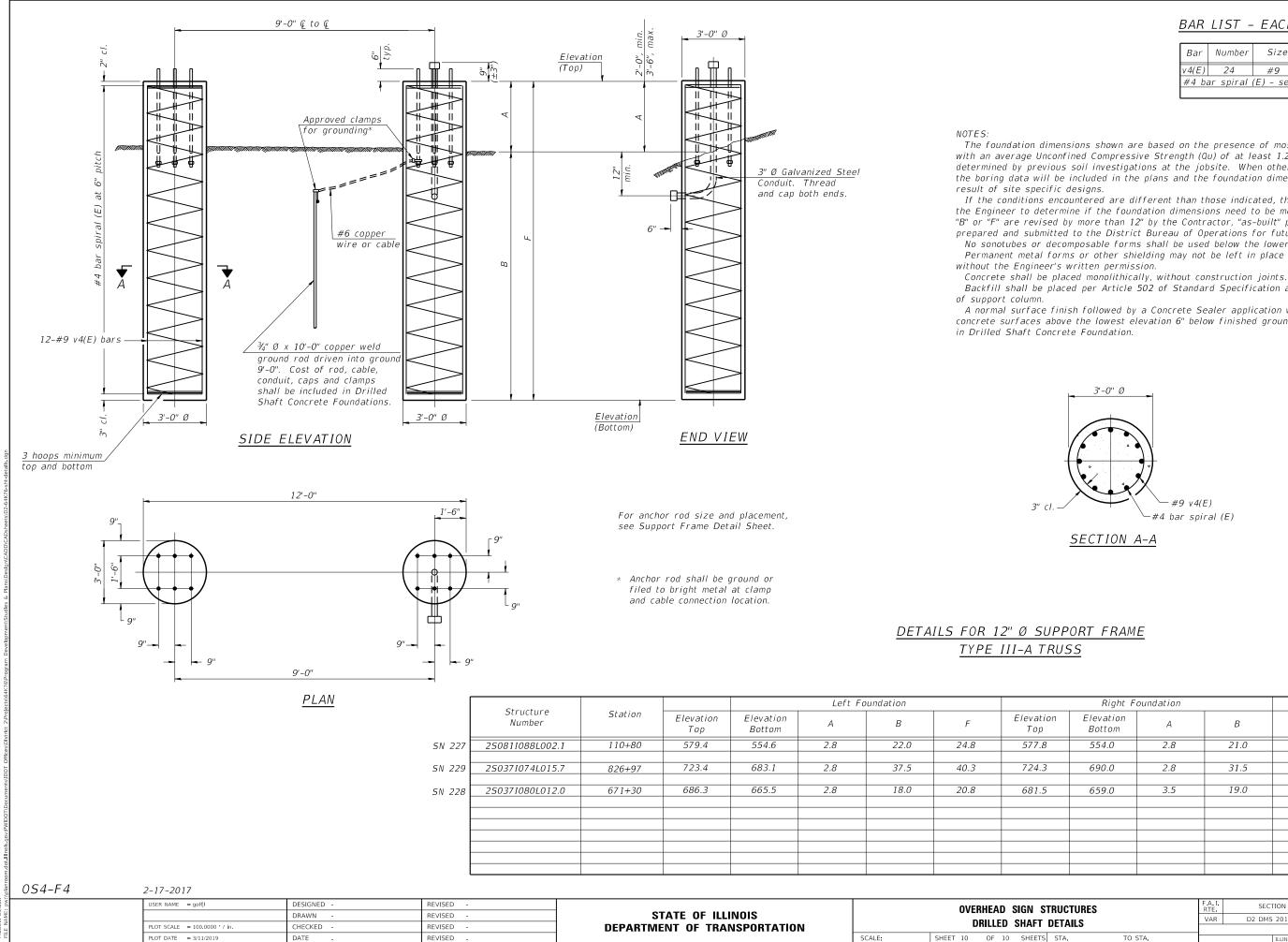


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L: De		DRAWN -	REVISED -	STATE OF ILLINOIS				TAILS FOR DMS	VAR	D2 DMS 2019-1	*	24 19
ODE LE N	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		ALIERNATE ALU	JIVIINUIVI VVALKVVAT DE	TAILS FOR DIVIS	_		CONTRACT	Г NO. 64К76
ΣÜ	PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE: SHEET 8 OF 10 SHEETS STA. TO S		TO STA.		ILLINOIS FED. /	AID PROJECT		



efault pw:	USER NAME = goffjl	DESIGNED -	REVISED -			OVERH		SIGN ST	TRI
-: De		DRAWN -	REVISED -	STATE OF ILLINOIS					
E N	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	ALIEK	NATE ALUM	INUM	HANDR	A
ME	PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET 9	OF 10	SHEETS	i s

^{*} HENRY / BOCK ISLAND



BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	
#4 bi	ar spiral	(E) – see	Side Eleva	tion

The foundation dimensions shown 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 will be the

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

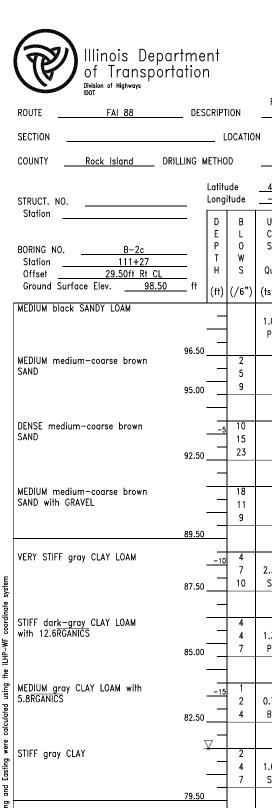
Backfill shall be placed per Article 502 of Standard Specification and prior to erection

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

	Right F	oundation			Class DS
tion p	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
.8	554.0	2.8	21.0	23.8	25.4
.3	690.0	2.8	31.5	34.3	39.1
.5	659.0	3.5	19.0	22.5	22.7

SI	RUCTURES		F.A.I. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
r 1	DETAILS		VAR	D2 DMS	2019-1		*	24	21
	DETAILS						CONTRACT	NO. 64	1K76
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			* HENF	Y / ROCK ISLAM	١D				

Illinois Depar	rtment				Page	<u> 1 of 1 </u>
Illinois Depar of Transporte	ation	(SOIL BORING	; LOG	Data	10/28/16
ROUTE FAI 88		P-92-DM	5—16 WB I—88 Digital M m. E. of I—80	essage Sign, 2		<u> 10/28/16</u> <u> N. White</u>
SECTION		N <u>Zuma</u>	Twp NE 19-NW20, SE	<u>C., TWP. 18N, R</u>	<u>≀NG. 2-3E</u>	
COUNTY <u>Rock Island</u> DRIL	LLING METHOD	Ho	llow Stem Auger	HAMMER TYPE	CMI	E-45
STRUCT. NO.		<u>41° 32' 10</u> -90° 18').44" 07.98"	Northing <u>1</u> Easting <u>2</u>	,773,567.4024 2,259,474.4224	
StationB-1c BORING NOB-1c Station111+38 Offset36.00ft Lt CL Ground Surface Elev97.60	E L	C 0 S 1	Groundwater Elev.: First Encounter Upon Completion After Hrs	ft 78.1 ft ft ft	E L P O T W	U M C O S I S Qu T (tsf) (%)
MEDIUM brown SANDY LOAM		0.5 16.0 P	HARD gray SHALE with seam (continued)	GRAVEL 7	6.10	21.0
MEDIUM brown medium-coarse SAND	95.60 5 6 10		HARD gray SHALE	7	27 24 24.10 50	
	93.60					
STIFF brown and gray dry LOAM with GRAVEL	<u>-5</u> 5 6 7	2.5 19.0 P	HARD gray SHALE	7	<u></u>	
	91.10		End of Boring	,		
DENSE gray medium-coarse SAND	10 21 26					
STIFF brown CLAY	<u>88.60</u> 4 5	1.7 24.0				
E elsis	86.60 <u> </u>	В				
[86] MEDIUM <u>dark g</u> ray CLAY LOAM with 6.9RGANICS 달 말	84.10 <u>3</u> 4 6	1.0 34.0 B				
류 MEDIUM gray dry LOAM with 4" GRAVEL seam with 6.9% ORGANICS	<u>-15</u> 15 7 4	0.8 39.0 P				
very stiff gray shale	<u>81.10</u> <u>8</u> 17 79.10 21	3.5 17.0 P				
Northing and	79.10 <u>21</u> <u>-20</u> 00/11					



The Unconfined Compressive Strength (UCS) Failure Mode is The SPT (N value) is the sum of the last two blow values

▼-20 10

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

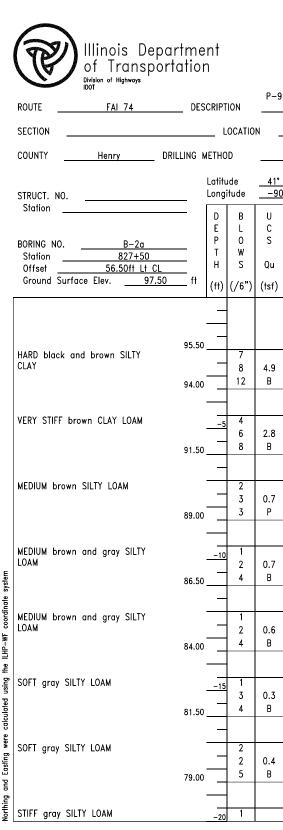
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		LOCATION	1 I-88	WB (IVI	M 2.1) S
PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.

SOIL BORING L		Date	<u>1</u> of <u>1</u> 10/31/16	
P-92-DMS-16 WB I-88 Digital Messag m. E. of I-80	ie Sign, 2 LO			
<u>Zuma Twp. – NE 19-NW20, SEC. , 1</u>	<u>TWP. 18N, RNG.</u>	2-3E		
Hollow Stem Auger HA	MMER TYPE	CME-4	15	
11° <u>32' 11.04"</u> No -90° 18' 08.40"Ea:	rthing <u>1,773</u> sting <u>2,259</u>	,628.2997 ,443.3082		
C O Stream Bed Elev G I S Groundwater Elev.: u T First Encounter Upon Completion	ft EL 77.00	E L P O T W H S C	U M C O S I S Du T sf) (%) 14.0	
End of Boring	74.50			
3 21.0				
3 45.0				
7 42.0		 		
6 17.0 3				
I I s indicated by (B-Bulge, S-Shear, P-Pa in each sampling zone (AASHTO T206)	BBS, fr	40	8-99)	
i LOGS	NIE.	ECTION MS 2019-1	COUNTY *	TOTAL SHEET SHEETS NO. 24 22
MM 2.1) SN 228				CT NO. 64K76

ILLINOIS FED. AID PROJECT * HENRY / ROCK ISLAND

TO STA.

	llinois Depo of Transpor ^{vision of Highways}						SOIL BORING					11,		
ROUTE	FAI 74	DES	CRIPT	ΓΙΟΝ	P-9	2-DMS	MS-16 WB I-74 Digital Message Sign, 1.8 m. S. of I-80 LOGGED BYN							
SECTION			_ I	_OCATIC	N _	Colona	Twp., SEC. 36, TWP. 17	<u>-18N, RNG. 1</u>	E					
COUNTY	Henry DI	RILLING M	ETHC	DD		Ho	llow Stem Auger	_ HAMMER TY	PE		СМ	E-45		
STRUCT. NO.				ude itude	<u>41°</u> _90	<u>24'53</u> °19'4	3.48" 42.65"	Northing Easting	<u>1,729</u> 2,252	9 <u>,354.</u> 2,192.	<u>2600</u> 7212		_	
Offset	B-1a 827+54 45.00ft Rt CL Elev. 94.70			W S	U C S Qu	0 I S T	Groundwater Elev.: First Encounter		_ ft _ ft	D E P T H	B L O W S	U C S Qu	М 0 І 5 Т	
STIFF brown SILT		11	(ft)	(/6")	(tsf)	(%)	Upon Completion After Hrs. STIFF gray SILTY LOAM		_ ft	(ft)	(/6") 3	(tsf) 1.7	(%) 27.	
STIT DIGWIT SIET	I CLAT LOAM			-	2.5 P	26.0	(continued)		73.20		5	S	27.	
STIFF brown and CLAY LOAM	gray SILTY	92.70 91.20		3 3 4	2.5 P	21.0	STIFF gray CLAY LOAM		71.20		2 3 6	1.4 B	25.	
SOFT brown and	gray SILTY		-5	2			VERY STIFF gray CLAY	LOAM		-25	2			
LOAM		88.70		1 2	0.5 P	27.0			68.70		4 7	2.2 B	19.	
SOFT brown SILT	Y LOAM	86.20		1 3 3	0.4 B	25.0	STIFF gray CLAY LOAM		66.20		4 5 7	1.7 B	18.	
MEDIUM brown ar LOAM	nd gray SILTY	83.70	-10	1 2 4	0.9 B	24.0	STIFF gray CLAY LOAM				4 5 8	1.9 B	16.	
MEDIUM gray SILT	TY LOAM	04.00		2 3 6	0.9 S	23.0	VERY STIFF gray CLAY TILL	LOAM	63.20		6 10 12	2.4 B	16.	
MEDIUM gray SILT	TY LOAM	81.20	-15	1 3	0.8	26.0	VERY STIFF gray CLAY TILL	LOAM	61.20	-35	5 7	2.4	16.	
NEDUIN		78.70		5	В		End of Boring		58.70		10	В		
MEDI <u>UM gray</u> SILT 12.5RGANICS	T LUAM with	76.20		1 2 5	0.6 B	39.0								



The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

USER NAME = goffjl	DESIGNED -	REVISED -				SOIL B	ORING L	200	
	DRAWN -	REVISED -	STATE OF ILLINOIS						
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		LOCATION	2 🗕 74	WB (MI	VI 15.7)SN 2	.29
PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO S

VAR

TO STA.

BBS, from 137 (Rev. 8-99)

SECTION

D2 DMS 2019-1

SHEE NO.

SHEETS

CONTRACT NO. 64K76

24 23

COUNTY

P-92-DMS-16 WB I-74 Digital Message Sign, 1.8 m. S. of I-80

Colona Twp., SEC. 36, TWP. 17-18N, RNG. 1E

HAMMER TYPE

Hollow Stem Auger

24.0

<u>41°</u> _90	<u>24'53</u> °19'4	.49" 13.92"		<u>1,729</u> 2,252				_
U C S Qu	M O I S T	Surface Water Elev Stream Bed Elev Groundwater Elev.: First Encounter Upon Completion	73.5	ft ft ft ▼ ft ▽	D E P T H	B L O W S	U C S Qu	M O I S T
(tsf)	(%)	After Hrs	63.5	ft _ft	(ft)	(/6")	(tsf)	(%)
		STIFF gray SILTY LOAM (continued)				2 4	1.0 B	26.0
				76.00				
4.9 B	24.0	MEDIUM gray SILTY LOAM				1 2 4	0.9 B	35.0
				73.50	<u> </u>			
2.8 B	26.0	MEDIUM gray CLAY LOAM		71.50	-25	0 2 4	1.2 B	24.0
0.7 P	25.0	STIFF gray CLAY LOAM		69.00		2 4 6	1.2 B	20.0
0.7 B	25.0	STIFF gray CLAY LOAM			-30	1 3 4	1.3 B	16.0
				66.00				
0.6 B	24.0	MEDIUM gray CLAY LOAM v SAND lens	with	64.00		1 2 3	1.0 P	20.0
				-	☑			
0.3 B	24.0	VERY STIFF gray CLAY LOA with SAND lens	АM	61.50	-35	1 1 3	2.5 P	14.0
		End of Boring						

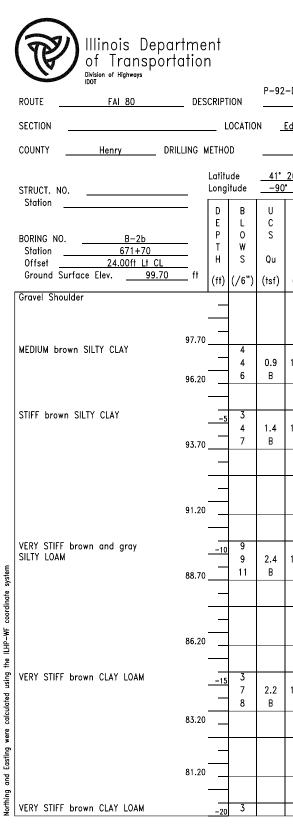
Date <u>11/9/16</u>

CME-45

Page <u>1</u> of <u>1</u>

LOGGED BY N. White

Illinois Depa of Transport	ation			(``	SOIL BORING LOG			Data		10/1
		ION	P-92	2-DMS-	16 WB I—80 Digital Message Sign, 2 n E. of I—74	n. LO	GGED	BY	<u> </u>	<u>White</u>
SECTION	l	OCATIC	N _	Edford	<u>Twp - SW20 - NW29, SEC. , TWP. 171</u>	N, RN(G. 2E			
COUNTY <u>Henry</u> DRI	LLING METHO	D		Но	llow Stem Auger HAMMER TYPE			СМІ	E-45	
STRUCT. NO.			<u>41°</u> _90	<u>26'25</u>)°17'3				. <u>6845</u> .0247		_
Station B-1b BORING NO. 671+89 Station 671+89 Offset 38.00ft Rt CL Ground Surface Elev. 96.30	— В — Р — Н	B L O W S (/6")	U C S Qu (tsf)	M 0 I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter 000 000000000000000000000000000000000	ft ft ▼ ft ▼	D E P T H	o W	U C S Qu (tsf)	M 0 I S T (%)
MEDIUM brown SILTY CLAY LOAM			0.5	18.0	VERY STIFF brown and gray CLAY LOAM (continued)			8 12	3.0 B	18.0
VERY STIFF brown SILTY CLAY	94.30 92.80	6 10 12	P 2.2 B	21.0	STIFF brown CLAY LOAM	74.80		5 7 10	1.8 B	21.0
STIFF brown SILTY CLAY LOAM		10 11 9	2.0 P	15.0	STIFF gray CLAY LOAM	72.30 70.30	-25	5 5 8	2.5 P	26.0
STIFF brown SILTY CLAY LOAM	87.80	2 4 10	1.4 B	17.0	MEDIUM gray and brown SILTY CLAY	67.80		0 2 4	0.9 B	27.0
STIFF brown and gray SILTY LOAM	10 	4 6 9	1.7 P	18.0	STIFF gray and brown SILTY CLAY	-	▼ -30	2 5 9	1.3 S	20.0
STIFF brown SILTY LOAM	82.80	5 5 9	1.7 S	17.0	STIFF gray and brown CLAY LOAM TILL	<u>64.80</u> 62.80		5 10 9	1.9 B	19.0
STIFF brown SILTY LOAM	 	4 6 7	1.7 P	19.0	VERY STIFF gray CLAY LOAM TILL End of Boring	60.30	 	5 7 9	2.8 B	14.0
MEDIUM brown CLAY LOAM	79.80	3 3 6	0.8 B	25.0						



The Unconfined Compressive Strength (UCS) Failure Mode is indi The SPT (N value) is the sum of the last two blow values in ec

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

USER NAME = goffjl	DESIGNED -	REVISED -				SOIL	BORING	LOGS		F.A. I. RTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS						222	VAR	D2 DMS 2019-1	*	24 24
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		Interview Interview <t< th=""><th>NO. 64K76</th></t<>	NO. 64K76							
PLOT DATE = 3/11/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	
										* HENDY /	ROCK ISLAND		

E. of I-74 Twp - SW20 - NW29,				BY		
ollow Stem Auger	_ HAMMER TYP	PE .		СМ	E-45	
<u>26.05"</u> 35.54"	Northing Easting	<u>1,738</u> 2,261	<u>,707.</u> ,890.	. <u>5641</u> .6692		_
Stream Bed Elev. Groundwater Elev.: First Encounter	<u>66.7</u> 65.7	ft ft ▼	D E P T H	B L O W S	U C S Qu	M O I S T
After Hrs.			(ft)	5	(tsf) 2.0	(%) 19.0
(continued)		78.20		9	В	
)		75.70				
VERY STIFF gray CLAY	LOAM	73.70	-25	6 9 13	3.3 B	21.0
_		71.20				
VERY SOFT gray SILTY	LOAM	68.20	-30	1 2 4	0.2 B	24.0
_		66.20 -	▼ 			
SOFT gray SILTY LOAM		63.70	-35	1 4 6	0.3 B	22.0
-						