

MODEL: Default
FILE NAME: P:\4312-WB\McClugageRehab\CADD\Structural\Front_Sheets - Cover_S00, etc\468E44-shi-S0Q14.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL / 20% STATE	
				BRIDGE	BRIDGE
				0013	0013
				S.N. 072-0168	S.N. 090-0115
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	14	0	14
X6370048	CONCRETE BARRIER BASE (SPECIAL)	FOOT	491	0	491
X6640108	FENCE REMOVAL AND REINSTALLATION	FOOT	15	0	15
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0	1
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	585	0	585
X8260112	MAINTENANCE OF NAVIGATIONAL LIGHTING SYSTEM	CAL MO	24		24
X8440128	REMOVE EXISTING LIGHTING SYSTEM	L SUM	1	0	1
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	0	1
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	225	0	225
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	81	20	61
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	0	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1	0
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1	0	1

* SPECIALTY ITEM



USER NAME = AECook	DESIGNED - RLM	REVISED -
	DRAWN - AEC	REVISED -
PLOT SCALE = 230.0000 " = 1 in.	CHECKED - RLM	REVISED -
PLOT DATE = 2/14/2025	DATE - 1/17/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 150 WESTBOUND McCLUGAGE BRIDGE PROJECT
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B-1)BP,BRR; (14HB-1)BRR	PEO/TAZ	418	18
CONTRACT NO. 68E44				
ILLINOIS FED.AID PROJECT				

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' = 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 Specifications.

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 required.

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.

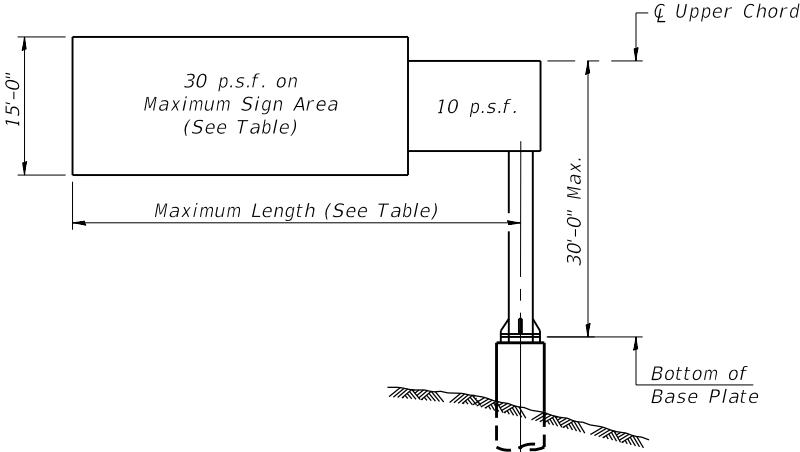
FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE II-C-A (36" X 5'-6")	Foot	27.5
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	9.3

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
4C090U024L000.46	249+42.00	II-C-A	27'-6"	464.92	14'-8 ³ / ₈ "	14'-6"	210.25 ft ²

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



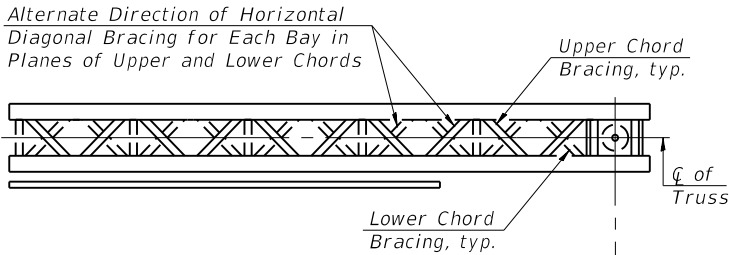
DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards
Installations not within dimensional limits shown
require special analysis for all components.

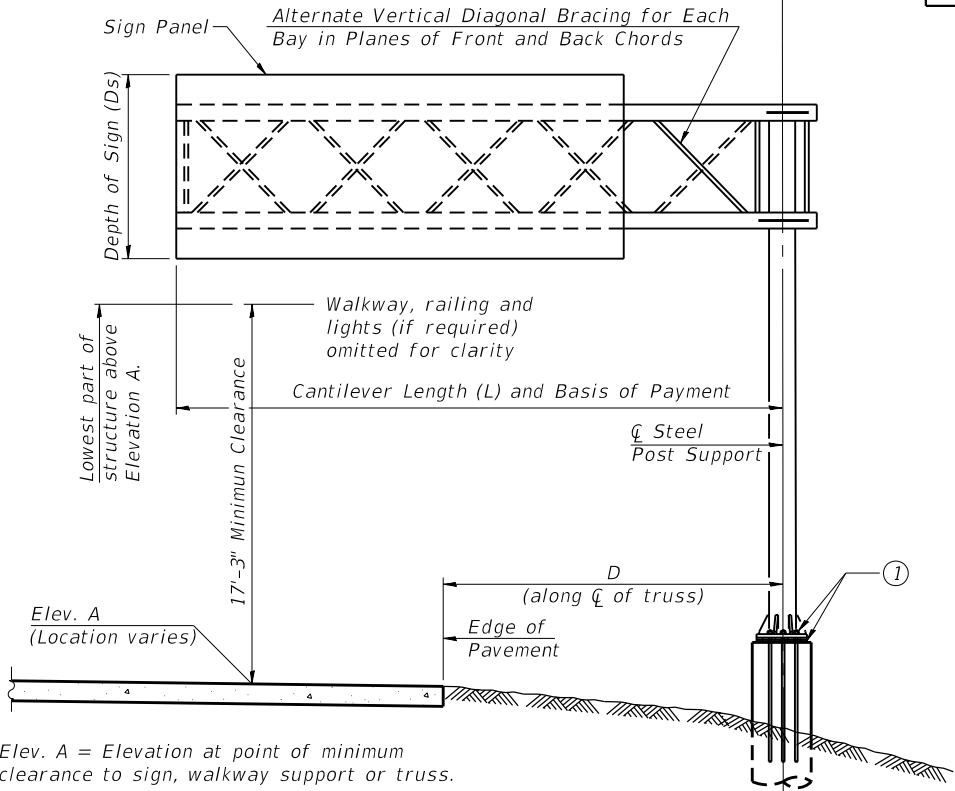
Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



TYPICAL PLAN
(Walkway not shown)



TYPICAL ELEVATION
Looking in Direction of Traffic

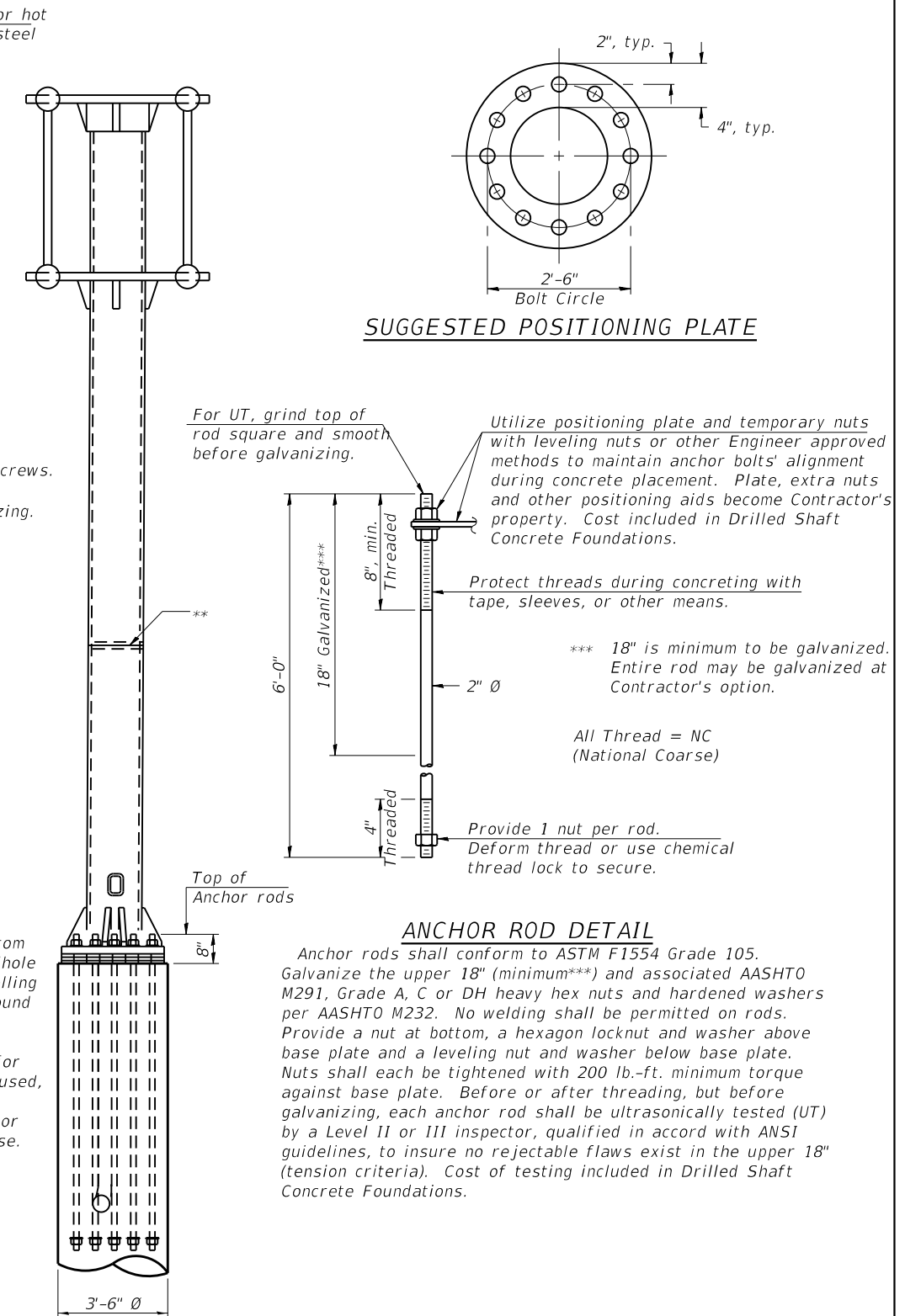
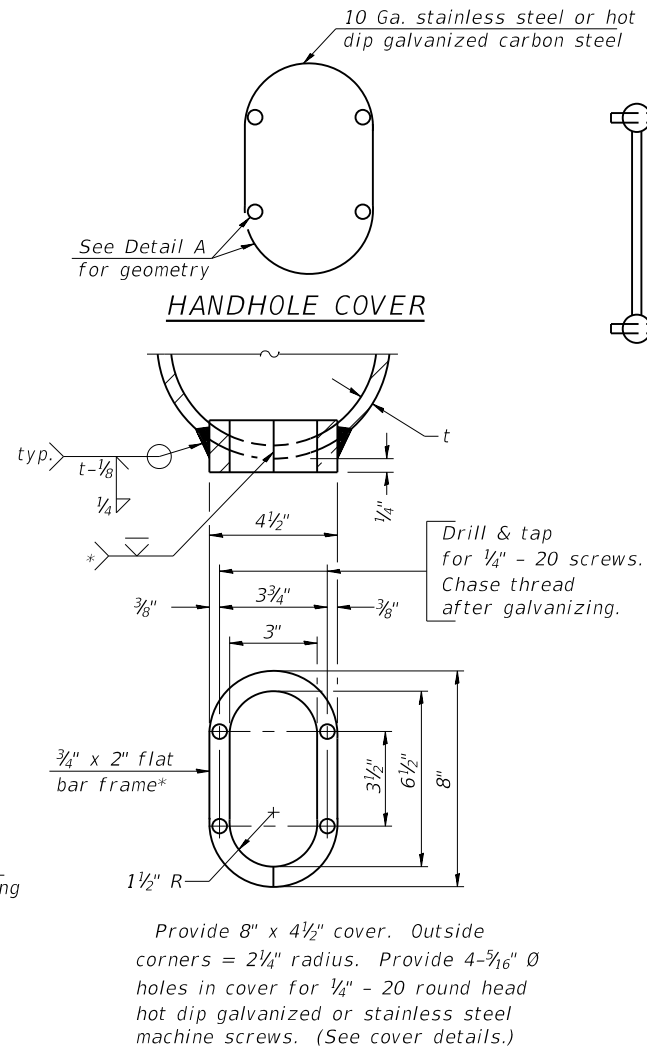
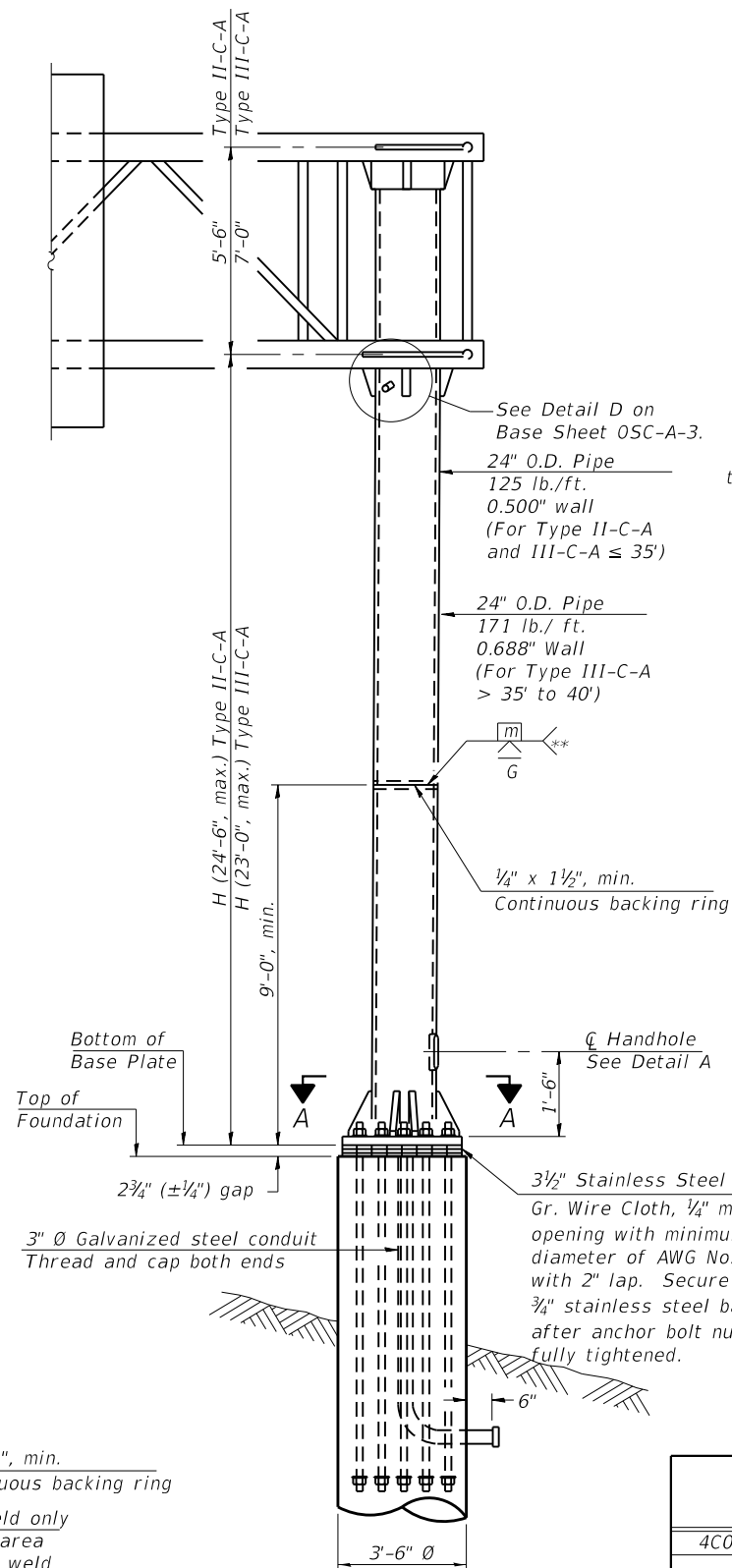
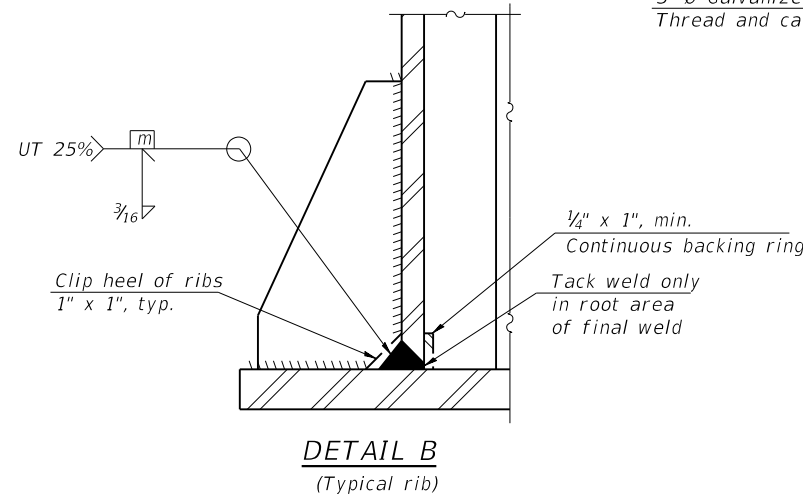
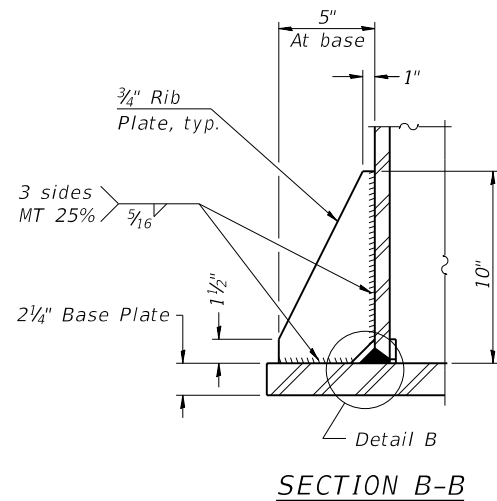
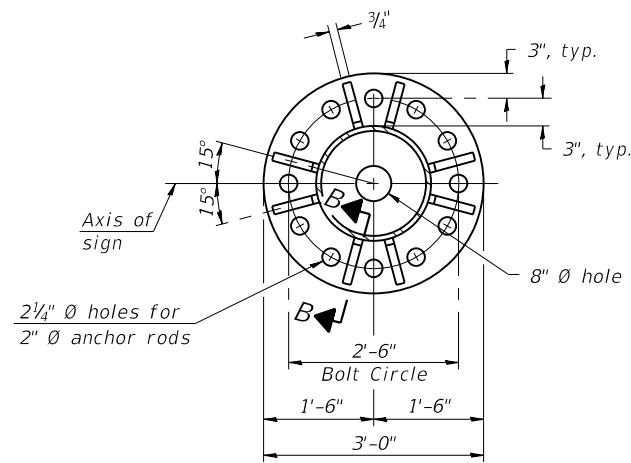
Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

OSC-A-1

5-15-2023

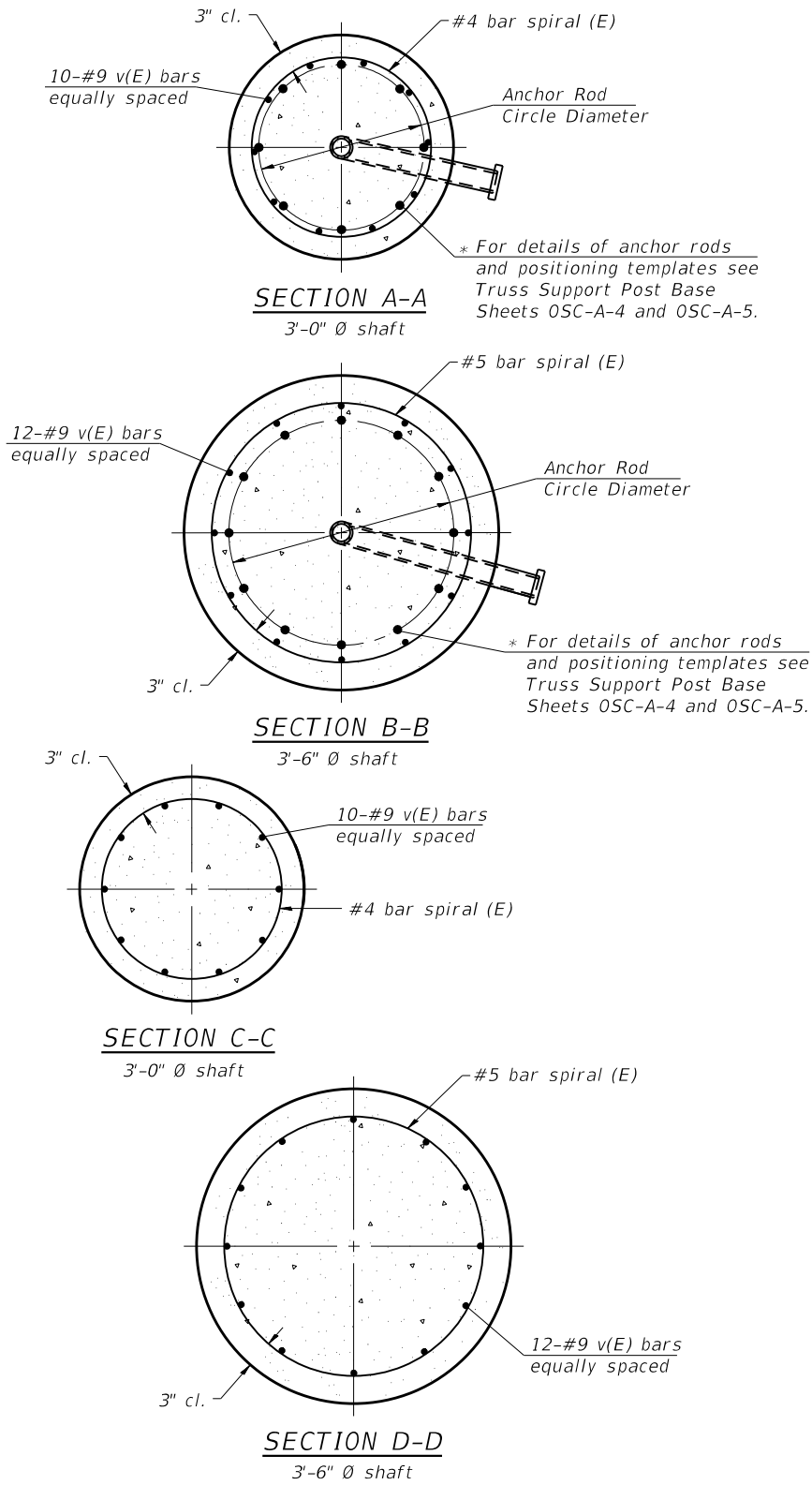
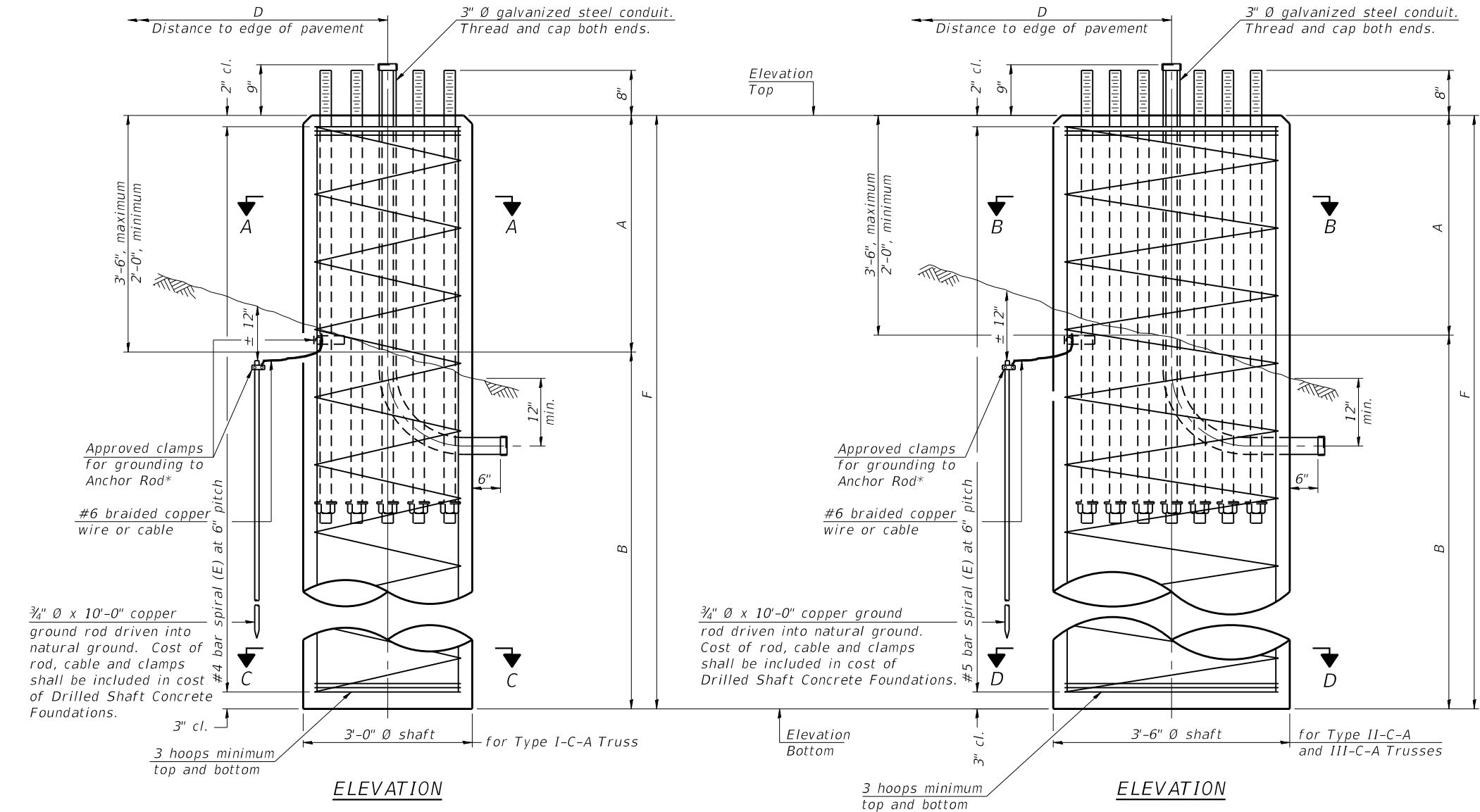
MODEL: Default
FILE NAME: P:\4312-WB\c\l\g\g\Rehab\CADD\Structural_Roadway (MM)\D468E44-shc-SignCn1.dgn

	USER NAME = AECook	DESIGNED - UB	REVISED - 5/09/2025 YSS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES - GENERAL PLAN & ELEVATION ALUMINUM TRUSS & STEEL POST	SCALE: N.T.S.	SHEET 1 OF 8 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ELK	REVISED -						317	(15B-1)BP,BRR; (14HB-1)BRR	PEO/TAZ	418	100
	PLOT SCALE = 0:2.0000 " = 1'-0"	CHECKED - UB	REVISED -						CONTRACT NO. 68E44				
	PLOT DATE = 5/9/2025	DATE - 5/9/2025	REVISED -						ILLINOIS FED. AID PROJECT				

[illegible]

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

* Grind anchor rod to bright finish at ground clamp location before installing clamp.



NOTES:

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) 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 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.

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 Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

FOUNDATION DATA TABLE										
Structure Number	Station	Truss Type	Shaft Diameter	Elevation		Q_u	A	B	F	Class DS Concrete Cubic Yards
				Top	Bottom					
4C090U024L000.46	249+42.00	II-C-A	3'-6"	464.63	438.63	3.3	2'-0"	24'-0"	26'-0"	9.3

OSC-A-9

5-15-2023



USER NAME = AECook	DESIGNED - UB	REVISED - 5/09/2025 YSS
PLOT SCALE = 02.0000 " = 1' in.	DRAWN - ELK	REVISED -
PLOT DATE = 5/9/2025	CHECKED - UB	REVISED -
	DATE - 5/9/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SCALE: N.T.S. SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B-1)BP,BRR; (14HB-1)BRR	PEO/TAZ	418	107
CONTRACT NO. 68E44				
ILLINOIS FED.AID PROJECT				

CONSTRUCTION NOTES FOR LIGHTING SHEETS

1.	ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
2.	EXISTING UTILITY INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
4.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
5.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
6.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
7.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
8.	THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION UNTIL THE PROPOSED SYSTEM IS INSTALLED AND OPERATIONAL.
9.	ANY MAINTENANCE OF EXISTING ROADWAY LIGHTING FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
10.	CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
11.	THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
12.	THE CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN TEMPORARY AND PROPOSED LIGHTING POLE LOCATIONS AND UTILITY LINES.
13.	STAINLESS STEEL SCREEN INSTALLED AROUND ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ARTICLE 1070. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE LIGHT POLES.
14.	THE CONTRACTOR MAY ELECT TO FURNISH AND INSTALL PERFORATED ALUMINUM SCREENING IN LEIU OF STAINLESS STEEL SCREEN AT NO ADDITONAL COST TO THE DEPARTMENT.
15.	THE CONTRACTOR SHALL INSTALL LUMINAIRES LEVEL WITH OPTICS SET PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.
16.	ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBER SHALL BE AS DIRECTED BY THE ENGINEER. ALL LABELS SHALL BE CONSTRUCTED FROM DIAMOND GRADE SHEETING. LIGHT POLE NUMBER LABELS FOR LUMINAIRES MOUNTED ON THE BRIDGE STRUCTURE SHALL HAVE IDENTIFICATION LABELS INSTALLED ON THE STRUCTURE AT THE LOCATIONS APPROVED BY THE ENGINEER.
17.	THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION/DEFLECTION COUPLINGS FOR ALL BRIDGE JOINTS AS REQUIRED AND DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT IN ACCORDANCE WITH ARTICLES 811.03, 811.04, 81203, AND 812.04 OF THE STANDARD SPECIFICATIONS.
18.	ALL NON-METALLIC CONDUIT SHALL BE EQUIPPED WITH INTEGRAL STAINLESS STEEL KELLUM GRIPS AT THE ENDS FOR INCREASED STRENGTH AND DURABILITY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
19.	THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT BRACKET THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE ATTACHED CONDUIT IN ACCORDANCE WITH ARTICLES 810.05 OF THE STANDARO SPECIFICATIONS.
20.	THE CONTRACTOR SHALL GROUND ALL EXPOSED STEEL CONDUITS IN ACCORDANCE WITH NEC REQUIREMENT. THE CONTRACTOR HALL MAINTAIN THE CONTINUITY OF THE GROUND SYSTEM WHEN USING NON METALLIC CONDUIT BY INSTALLING A #6 GROUNDING CONDUCTOR OUTSIDE THE NON-METALLIC CONDUIT ANO BONDING THIS WIRE TO THE METALLIC CONDUITS AT EACH END. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE ATTACHED CONDUIT IN ACCORDANCE WITH ARTICLES 801.02 AND 801.04.
21.	THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS INCLUDING BUT NOT LIMITED TO UNI-STRUT, BRACKETS, LB , FITTINGS, HARDWARE, ANO OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ATTACHED CONDUIT IN ACCORDANCE WITH SECTION 811 OF THE STANDARD SPECIFICATIONS.
22.	THE CONTRACTOR MAY ELECT TO SUBSTITUTE SDR 13.5 CONTINUOUS DUCT IN LIEU OF PVC SCHEDULE 40 CONDUIT AT NO ADDITIONAL COST TO THE DEPARTMENT.
23.	THE CONTRACTOR SHALL FURNISH AND INSTALL FLEXIBLE NON-METALLIC CONDUIT AS REQUIRED FOR INSTALLATION. THE COST OF THE FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
24.	THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL SUPPORT FOR FLEXIBLE CONDUIT SPANS GREATER THAN FOUR FEET TO PREVENT LOOSENING THROUGH VIBRATION, WIND MOVEMENT, AND FROM SUPPORTING THE WEIGHT OF THE CABLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
25.	THE CONTRACTOR SHALL STAGE THE REMOVAL OF THE EXISTING NAVIGATIONAL LIGHTING AND THE INSTALLATION OF THE NEW NAVIGATIONAL LIGHTING SO AS TO MAINTAIN CONTINUOUS OPERATION OF THE NAVIGATIONAL LIGHTING SYSTEM.
26.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 817.04.
27.	THE CONTRACTOR SHALL DISPOSE OF THE EXISTING LIGHTING EQUIPMENT AS SHOWN IN THE REMOVAL PLANS.
28.	CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
29.	ALL CONDUIT ATTACHMENT BRACKETS AND HARDWARE SHALL BE CONSTRUCTED FROM GALVANIZED STEEL.
30.	THE CONDUIT BETWEEN WWOL JUNCTION BOXES SHALL BE INSTALLED 25 FT. UP THE VERTICAL MEMBER ON THE NORTH SIDE OF THE BRIDGE, 50 FT. ALONG THE SWAY BRACING, AND 25 FT. DOWN THE VERTICAL MEMBER ON THE SOUTH SIDE OF THE BRIDGE.
31.	THE CONTRACTOR SHALL MODIFY THE EXISTING LIGHTING CONTROLLER "D" TO ADD THE PROPOSED CIRCUITS 4 & 5. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE PAY ITEM "MODIFY EXISTING LIGHTING CONTROLLER."

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION NOTES FOR LIGHTING SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B-1)BP,BRR; (14HB-1)BRR	PEO/TAZ	406	129
CONTRACT NO. 68E44				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: P:\4312-WB\McCullageRehab\CADD\Structural_{N 090-0115_WBMainBridge_Final Plans\0900115-68E44-007-NBIS1.dgn

Repair I.D. No.	04/25/2024 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S214
2	129	Girder 1 Bearing at Pier 4, Span 6	S184
2	98	Girder 2 Bearing at Pier 4, Span 6	S184
2	99	Girder 1 Bearing at Pier 6	S185
2	100	Girder 2 Bearing at Pier 6	S185
2	113	Girder 1 Bearing at Pier 7, Span 8	S186
2	114	Girder 2 Bearing at Pier 7, Span 8	S186
2	61	Girder 1 Bearing at Pier 8	S187
2	186	Girder 1 Bearing at Pier 10, Span 11	S188
2	187	Girder 2 Bearing at Pier 10, Span 11	S188
2	41	Girder 1 Bearing at Pier 13, Span 15	S189
2	89	Girder 1 Bearing at Pier 17	S190
2	47	Girder 2 Bearing at East Abutment	S193
3	49	Pier 2	S204
3	53	Pier 4	S204
3	22	Pier 7	S205
3	26	Pier 8	S205
3	63	Pier 9	S206
3	28	Pier 10	S206
3	76	Pier 12	S207
3	82	Pier 13	S207
3	85	Pier 15	S208
3	10	Pier 16	S208
3	88	Pier 17	S208
3	92	Pier 19	S209
4	173	Sign Structure near Pier 6	Rdwy. Plans
4	175	Sign Structure near Pier 9	Rdwy. Plans
5*	55	Span 7, Floorbeam 10 beneath Stringer 5	S183
6	115	Span 8, Girder 2 at Pier 7	S147
6	184	Span 15, Girder 1 at Pier 13	S181
6	211	Span 21, Girder 1 at Pier 19	S181
7	20	Span 6, Middle of Lateral Bracing in Panels 3, 4, 5, 6 and 7	S149
10	131	Span 9, Cross Frame at Pier 7 under Floorbeam 0	S150
11	131	Span 9, Cross Frame at Pier 7 under Floorbeam 0	S150
12	116	Span 9, Floorbeam 0	S151
12	165	Span 13, Floorbeam 21	S163
12	121	Span 13, Floorbeam 29	S164
12	159	Span 14, Floorbeam 42	S165
12	160	Span 14, Floorbeam 46	S166
12	162	Span 14, Floorbeam 50	S166
13	133	Span 12, L1S, Inside Gusset Plate	S159
14	71	Pier 11	S207
15	188	Span 13, L21N, Guide Pin	S156
15	189	Span 13, L21S, Guide Pin	S156
16	119	Span 13, L25N, Access Platform for Navigation Light	S157
18	106	Pier 10, Closed Drainage System, North Side	S117
19	4	Span 13, L26N-L27N at L26N	S183
20	117	Span 12, Stringer 7 at Floorbeam 4, Panel 5	S168
20	134	Span 12, Stringer 1 at Floorbeam 8, Panel 9	S168
20	135	Span 12, Stringer 2 at Floorbeam 8, Panel 9	S168
20	163	Span 12, Stringer 3 at Floorbeam 8, Panel 9	S168
20	136	Span 12, Stringer 4 at Floorbeam 8, Panel 9	S168
20	137	Span 12, Stringer 5 at Floorbeam 8, Panel 9	S168
20	138	Span 12, Stringer 6 at Floorbeam 8, Panel 9	S168
20	34	Span 12, Stringer 7 at Floorbeam 11, Panel 11	S169
20	177	Span 12, Stringer 1 at Floorbeam 12, Panel 13	S168
20	118	Span 12, Stringer 7 at Floorbeam 12, Panel 13	S168
20	143	Span 13, Stringer 1 at Floorbeam 25, Panel 26	S168
20	144	Span 13, Stringer 2 at Floorbeam 25, Panel 26	S168
20	145	Span 13, Stringer 3 at Floorbeam 25, Panel 26	S168
20	146	Span 13, Stringer 4 at Floorbeam 25, Panel 26	S168
20	147	Span 13, Stringer 5 at Floorbeam 25, Panel 26	S168
20	148	Span 13, Stringer 6 at Floorbeam 25, Panel 26	S168
20	149	Span 13, Stringer 7 at Floorbeam 25, Panel 26	S168
20	150	Span 13, Stringer 1 at Floorbeam 29, Panel 29	S168
20	151	Span 13, Stringer 2 at Floorbeam 29, Panel 29	S168
20	152	Span 13, Stringer 3 at Floorbeam 29, Panel 29	S168
20	153	Span 13, Stringer 4 at Floorbeam 29, Panel 29	S168
20	154	Span 13, Stringer 5 at Floorbeam 29, Panel 29	S168
20	155	Span 13, Stringer 6 at Floorbeam 29, Panel 29	S168
20	156	Span 13, Stringer 7 at Floorbeam 29, Panel 29	S168
20	125	Span 14, Stringer 7 at Floorbeam 50, Panel 51	S169

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* Span 7 stringer numbering is based on the existing plans. Stringer 5 in the existing plans is equivalent to Stringer 4 in the NBIS Inspection Reports.

Repair I.D. No.	04/25/2024 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S214
21	164	Span 12, Floorbeam 12	S167
21	165	Span 13, Floorbeam 21	S163
21	121	Span 13, Floorbeam 29	S164
21	159	Span 14, Floorbeam 42	S165
23	32	Span 12, Lateral Bracing, L9S to Midpoint Floorbeam 10	S171
23	166	Span 13, Lateral Bracing, L26S to Midpoint Floorbeam 27	S171
23	167	Span 13, Lateral Bracing, Midpoint Floorbeam 27 to L28S	S171
23	195	Span 13, Lateral Bracing, Midpoint Floorbeam 28 to L29N	S171
23	179	Span 13, Lateral Bracing, L29S to Midpoint Floorbeam 28	S171
23	157	Span 13, Lateral Bracing, L33S to Midpoint Floorbeam 32	S172
24	197	Span 15, 2nd Cross Frame from Pier 14 between Girders 3 and 4	S183
24	201	Span 21, 2nd Cross Frame from Pier 20 between Girders 4 and 5	S183
24	212	Span 21, 4th Cross Frame from Pier 20 between Girders 2 and 3	S183
25	65	Span 12, Lateral Bracing Connection Plate at L4N	S173
25	66	Span 12, Lateral Bracing Connection Plate at L4S	S173
25	30	Span 12, Lateral Bracing Connection Plate at L7N	S174
25	67	Span 12, Lateral Bracing Connection Plate at L9S	S174
25	68	Span 12, Lateral Bracing Connection Plate at L12N	S175
25	69	Span 12, Lateral Bracing Connection Plate at L12S	S175
25	72	Span 13, Lateral Bracing Connection Plate at L18N	S176
25	140	Span 13, Lateral Bracing Connection Plate at Midpoint Floorbeam 18	S176
25	142	Span 13, Lateral Bracing Connection Plate at L25N	S177
25	179	Span 13, Lateral Bracing Connection Plate at L29S	S177
25	158	Span 13, Lateral Bracing Connection Plate at Midpoint Floorbeam 38	S178
25	79	Span 14, Lateral Bracing Connection Plate at L42N	S175
25	80	Span 14, Lateral Bracing Connection Plate at L42S	S175
25	124	Span 14, Lateral Bracing Connection Plate at L46N	S173
25	161	Span 14, Lateral Bracing Connection Plate at L46S	S173
25	209	Span 14, Lateral Bracing Connection Plate at L50N	S173
26	181	Span 14, Sway Brace Connection at L47S-U47S	S183
27	77	Pier 12, North Truss Bearing	S179
27	78	Pier 12, South Truss Bearing	S179
28	190	Span 13, L33N, Truss Pin	S179
29	15	Span 14, Stringer 1 at Mid-panel, Panel 46	S170
30	23	East Abutment Backwall	S209
31	171	Pier 4, Junction Box at North Parapet	Elec. Plans
31	54	Span 6, Conduit along Girder 1 near Floorbeam 6, Panel 7	Elec. Plans
31	58	Span 8, Conduit along Girder 1 between Floorbeams 7 and 9	Elec. Plans
31	203	Conduit along Girder 1 at Pier 7	Elec. Plans
31	204	Conduit along Girder 2 at Pier 7	Elec. Plans
31	174	Pier 9, Junction Box at North Parapet	Elec. Plans
31	176	Span 11, Conduit along Girder 1 at Floorbeam 1	Elec. Plans
31	206	Pier 10, Conduit at South Bearing	Elec. Plans
31	207	Pier 11, North Truss Navigation Light	Elec. Plans
31	178	Span 13, Conduit at L20N	Elec. Plans
31	75	Span 13, Junction Box at North Parapet between L37 and L38	Elec. Plans
31	168	Span 14, Junction Box at North Parapet between L42 and L43	Elec. Plans
31	185	Span 17, Conduit along Girder 1, 10' West of Pier 16	Elec. Plans
31	87	Span 18, Conduit along Girder 1, 10' East of Pier 16	Elec. Plans
31	91	Span 20, Conduit along Girder 1, 5' East of Pier 18	Elec. Plans
31	213	Span 22, Conduit along Girder 1 at Midspan	Elec. Plans
31	45	Span 23, Conduit between Girders 4 and 5, between 4th and 5th Cross Frames from Pier 21	Elec. Plans
31	95	Span 23, Conduit along Girder 1, 5' from East Abutment	Elec. Plans
31	202	Span 23, Conduit along Girder 5 at East Abutment	Elec. Plans
31	96	Span 23, Conduit at East Abutment between Girders 3 and 4	Elec. Plans
31	128	Span 23, Conduit at East Abutment, South Corner	Elec. Plans

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Notes:
See Sheets S9 thru S19 for repair identification numbers.



USER NAME =	DESIGNED - RLM	REVISED - 5/05/2025 YSS
	CHECKED - CSG	REVISED -
PLOT SCALE =	DRAWN - AEC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2024 NBIS REFERENCE TABLES - 1
STRUCTURE NO. 090-0115

SHEET S7 OF S214 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B-1)BP,BRR	PEO/TAZ	418	177
CONTRACT NO. 68E44				
		ILLINOIS	FED. AID PROJECT	

REV. 5/30/25

MODEL: Default
FILE NAME: P:\4312-WB\McCullagageRehab\CADD\Structural_SN 090-0115_WBMainBridge_Final Plans\0900115-68E44-008-NBIS2.dgn

Repair I.D.	04/25/2024 NBIS Inspection Deficiency Item No.	Location	Sheet No. of S214
Structure Painting	1	All Spans, Structural Steel Throughout	
Structure Painting	123	Span 13, Strut at Floorbeam 33	
Bridge Deck	2	All Spans, Bridge Deck, Throughout	
Bridge Deck	3	All Spans, Deck Drains, Throughout	
Bridge Deck	97	All Spans, Parapets, Throughout	
Bridge Deck	52	Span 6, Drain Pipe Hanger at Pier 4	
Bridge Deck	107	Span 12, Drain Pipe, South Side of Panel 10	
Expansion Joints	108	Span 13, Finger Plate Trough at L21	S127
Expansion Joints	183	Pier 13, Finger Plate, Sliding Plate at North Parapet	S130
FB Flange to Web Welds	165	Span 13, Floorbeam 21 at North and South Ends	S161
FB Flange to Web Welds	180	Span 13, Floorbeam 34 at South End	S161
FB Flange to Web Welds	191	Span 14, Floorbeam 52 at South End	S161
FB Flange to Web Welds	182	Span 14, Floorbeam 54 at South End	S160
Lower Chords	170	Spans 12 and 14, Lower Chords, L0 to L10 and L44 to L54	S155
Misc. Fastener Repairs	50	Span 4, Girder 3, at Field Splice	S182
Misc. Fastener Repairs	51	Span 5, Girder 5, at Field Splice	S182
Misc. Fastener Repairs	172	Span 7, Girder 1, 1st Splice East of Pier 5	S182
Misc. Fastener Repairs	130	Span 7, Lateral Bracing at Girder 1, Floorbeam 5	S182
Misc. Fastener Repairs	192	Span 8, Girder 1 between Floorbeams 2 and 3	S182
Misc. Fastener Repairs	59	Span 9, Lateral Bracing at Midpoint Floorbeam 2	S182
Misc. Fastener Repairs	60	Span 9, Floorbeam 9 at Girder 1	S182
Misc. Fastener Repairs	205	Span 11, Girder 1, 1st Splice East of Pier 5	S182
Misc. Fastener Repairs	132	Span 12, Top Lateral Bracing, U15-U2N at U1S	S182
Misc. Fastener Repairs	101	Span 12, Top Lateral Bracing, U8N-U9S at U8N	S182
Misc. Fastener Repairs	193	Span 12, U16S, Inside Gusset Plate	S182
Misc. Fastener Repairs	194	Span 13, U17S, Outside Gusset Plate	S182
Misc. Fastener Repairs	102	Span 13, L22N-L23N, Web Splice at L23N	S182
Misc. Fastener Repairs	141	Span 13, Lower Lateral Bracing, L23N to Midpoint Floorbeam 24 at L23N	S182
Misc. Fastener Repairs	74	Span 13, U27N, Inside Gusset Plate	S182
Misc. Fastener Repairs	78	Pier 12, South Truss Bearing	S182
Misc. Fastener Repairs	40	Span 14, U39S, Inside Gusset Plate	S182
Misc. Fastener Repairs	81	Span 14, Stringer 7 at Floorbeam 46, Panel 46	S182
Misc. Fastener Repairs	160	Span 14, North End of Floorbeam 46	S182
Misc. Fastener Repairs	208	Span 14, U47S, Gusset Plate	S182
Misc. Fastener Repairs	210	Span 14, Stringer 1 at Floorbeam 50, Panel 50	S182
Misc. Fastener Repairs	198	Span 16, Lateral Bracing at Girder 5, 7th Connection from Pier 14	S182
Misc. Fastener Repairs	199	Span 16, Midspan of Girder 5, 4th drain from Pier 15	S182
Misc. Fastener Repairs	83	Span 16, Girder 2, at Field Splice	S182
Misc. Fastener Repairs	84	Span 16, Lateral Bracing at Girder 1, 1st Connection West of Pier 15	S182
Misc. Fastener Repairs	110	Span 17, Girder 1, 30' East of Pier 15	S182
Misc. Fastener Repairs	103	Span 17, Girder 5, 30' East of Pier 15	S182
Misc. Fastener Repairs	42	Span 17, Girder 5, at 10th, 15th, and 20th Stiffeners West of Pier 16	S182
Misc. Fastener Repairs	104	Span 18, Girder 1, 20' West of Pier 17	S182
Misc. Fastener Repairs	90	Span 19, Girder 1, at Web Field Splice, West End of Span	S182
Misc. Fastener Repairs	111	Span 19, Girder 5, 30' East of Pier 17 and 15' West of Pier 18	S182
Misc. Fastener Repairs	200	Span 19, Lateral Bracing at Girder 1, 9th Connection from Pier 17	S182
Misc. Fastener Repairs	43	Span 19, Girder 1, 30' West of Pier 18	S182
Misc. Fastener Repairs	105	Span 20, Lateral Bracing at Girder 4, 7th Connection from Pier 18	S182
Misc. Fastener Repairs	126	Span 20, Girder 3, 4th Cross Frame from Pier 18	S182
Misc. Fastener Repairs	127	Span 22, Girder 1, at 1st Drain East of Pier 20	S182



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2024 NBIS REFERENCE TABLES - 2
STRUCTURE NO. 090-0115

SHEET S8 OF S214 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(15B-1)BP,BRR	PEO/ITAZ	418	178
CONTRACT NO. 68E44				
		ILLINOIS	FED. AID PROJECT	