

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	1
		ILLINOIS	CONTRACT NO. 46539	

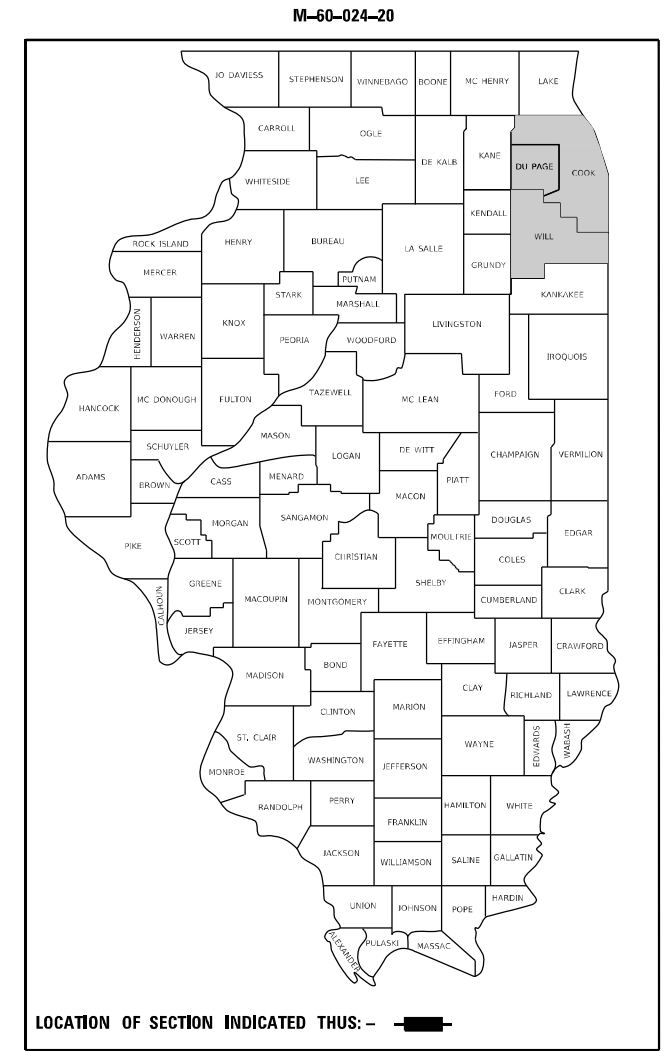
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

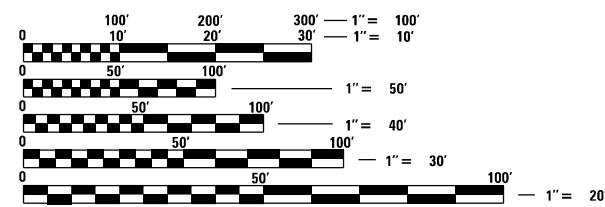
VARIOUS ROUTES
SECTION: D-1 OVH SIN STR REPL 20-27
SIGNING AND OVERHEAD SIGN STRUCTURE REPLACEMENT
VARIOUS COUNTIES

M-60-024-20

FOR INDEX OF SHEETS, SEE SHEET NO. 2



THE PROJECT IS LOCATED IN SKOKIE, CHICAGO, ADDISON, WILMETTE, NORTHBROOK, WILLOWBROOK, MOKENA, OAK BROOK, OAK PARK, COUNTRY CLUB HILLS, MAYWOOD, DARIEN, WESMONT, AND ELMHURST.



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

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

FOR IDOT OWNED UNDERGROUND ASSET IDENTIFICATION CONTACT IDOT DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR

FOR LOCATION MAP
 SEE SHEETS NO. 3-7

VARIOUS TOWNSHIPS



PROJECT ENGINEER: ALLAN MA (847) 705-4501 / MOHAMMAD SAYES (847) 705-4151
PROJECT MANAGER: MATTHEW DAEDA (847) 705-4157

CONTRACT NO. 46539

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 21 2021
June Park
 ENGINEER OF OPERATIONS

December 10 2021
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

December 10 2021
Stephen M. L...
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3 - 7	LOCATION MAPS
8 - 11	SUMMARY OF QUANTITIES
12 - 15	SCHEDULE OF QUANTITIES
16 - 22	TRI-CHORD SIGN STRUCTURES
23 - 25	BRIDGE MOUNT SIGN STRUCTURES
26 - 34	CANTILEVER SIGN STRUCTURES
35 - 52	OVERHEAD SIGN STRUCTURES
53 - 70	SOIL BORING LOGS
71 - 76	SIGN TRUSS TYPICAL SECTIONS, VARIOUS LOCATIONS
77 - 107	SIGN PANEL DESIGN
108 - 111	NEW CCTV HD INSTALLATION LOCATION 12
112 - 113	MAINTENANCE OF TRAFFIC
114	2 LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
115	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
116	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LOANE WEAVE (TC-09)
117 - 118	MULTI-LANE FREEWAY PAVIMENT MARKING DETAILS (TC-12)
119	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

HIGHWAY STANDARDS

STD. NO.	TITLE
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720021-03	SIGN PANELS, EXTRUDED ALUMINUM TYPE
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
642001-03	SHOULDER RUMBLE STRIPS 16 INCH

GENERAL NOTES

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

PLAN DIMENSIONS AND DETAILS WERE OBTAINED FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED AT THE UNIT PRICE BID FOR THE WORK.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 AND THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO, CONTACT "DIGGER" AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION REQUIRED.)

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED OVERHEAD SIGN STRUCTURE LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIAL.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

THE CONTRACTOR SHALL VERIFY LOCATIONS WITH THE ENGINEER PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL CONTACT THE DEPARTMENTS ELECTRICAL MAINTENANCE CONTRACTOR TO ARRANGE THE ELECTRICAL DISCONNECT FOR EACH LOCATION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

RESTORATION OF THE OVERHEAD SIGN TRUSS WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

ALL CLEARING, GRUBBING, AND TREE TRIMMING REQUIRED FOR ACCESS AND/OR INSTALLATION OF FOUNDATIONS AND TRUSS STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE ITEM AND SHALL NOT BE PAID FOR SEPARATELY.

SOME LOCATIONS MAY REQUIRE THE CONTRACTOR TO REMOVE, STORE, AND REINSTALL SIGN PANELS. STORAGE OF EXISTING SIGN PANELS SHALL NOT BE PAID FOR SEPARATELY, BUT COSTS SHALL BE INCLUDED IN THE RELOCATE SIGN PANEL PAY ITEM.

GENERAL NOTES

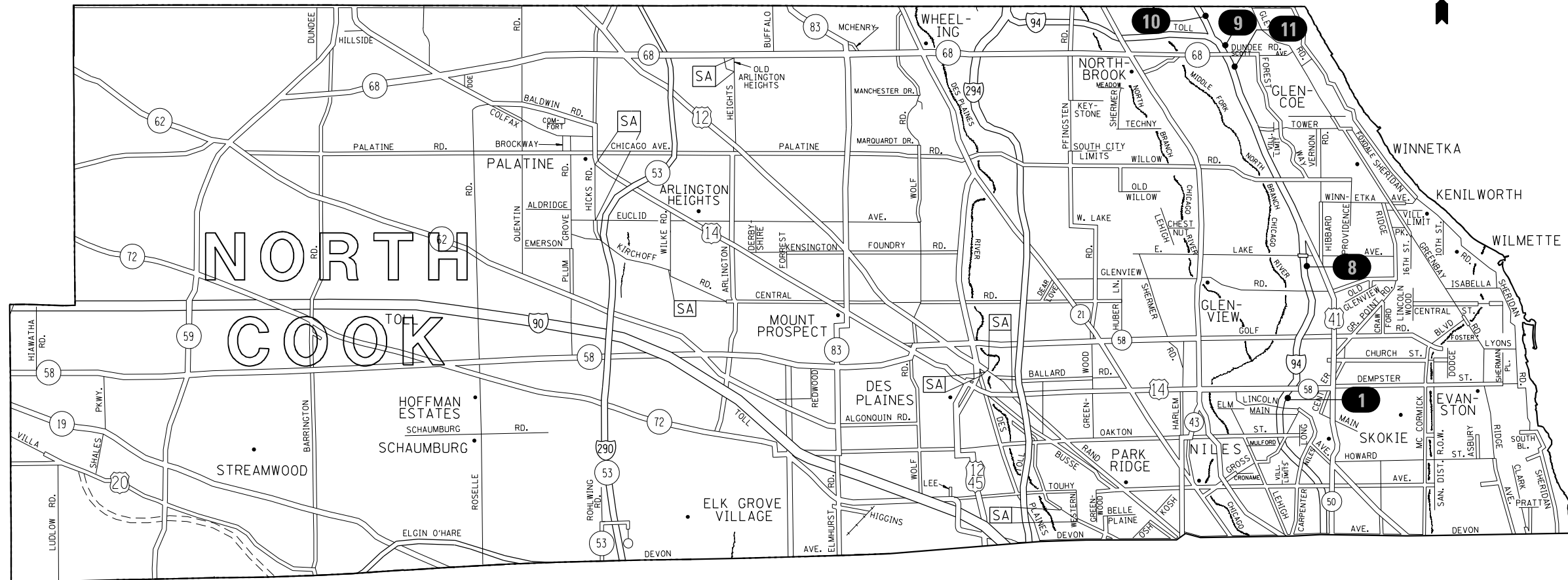
THERE IS AN EXISTING CLOSED CIRCUIT SURVIELLANCE CAMERA AT LOCATION 12. THE DEPARTMENTS ELECTRICAL MAINTENANCE CONTRACTOR WILL REMOVE THE EXISTING CAMERA PRIOR TO REMOVAL OF THE SIGN STRUCTURE, AND WILL REINSTALL THE CAMERA ON THE NEW STRUCTURE. THIS CONTRACTOR SHALL CALL THE DISTRICT ONE ELECTRICAL MAINTENANCE FIELD OFFICE AT (708)524-2145 A MINIMUM OF 7 CALENDAR DAYS BEFORE REMOVAL OF THE EXISTING STRUCTURE TO HAVE THE CAMERA AND ASSOCIATED HARDWARE REMOVED. THE CONTRACTOR SHALL CALL THE DISTRICT ONE ELECTRICAL MAINTENANCE FIELD OFFICE AGAIN ONCE THE NEW SIGN STRUCTURE IS INSTALLED AND COMPLETE.

LOCATIONS 1, 4, 5, 7, 8, 9, 10, 11, AND 13 ARE LOCATED SUCH THAT SOIL EXCAVATED FOR THE MEDIAN FOUNDATIONS CANNOT BE DISPOSED OF ON SITE. AT THESE LOCATIONS, EXCAVATED SOIL SHALL BE DISPOSED ADJACENT TO THE RIGHT SIDE FOUNDATION. THE COST OF MOVING THE EXCAVATED SOIL SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

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PLOT DATE = 10/20/2021	DATE - 08/16/2021	REVISED -			ILLINOIS FED. AID PROJECT						
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

LOC. NO.	LOCATION NAME	STRUCTURE NO.	CLASSIFICATION	ADT	POSTED SPEED	MUNICIPALITY	COUNTY
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2	WB I-94 AT 111TH.	1S0161094L066.0-000	EXPRESSWAY	148,500	55	CHICAGO	COOK
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4	WB I-290 AT I-355	1S0221290L000.0-001	EXPRESSWAY	124,300	55	ITASCA	DUPAGE
5	SB I-55 CD ROAD AT IL-83	1S0221055L274.8-000	EXPRESSWAY	12,000	55	WILLOWBROOK	COOK
6	WB I-290 E/O CENTRAL	1S0161290L023.0-000	EXPRESSWAY	184,900	55	CHICAGO	COOK
7	WB I-94 AT PETERSON	1S0161094L041.5-000	EXPRESSWAY	149,100	55	CHICAGO	COOK
8	WB I-94 AT LAKE	1C0161094L034.6-000	EXPRESSWAY	133,000	55	WILMETTE	COOK
9	WB I-94 AT US-41/EDENS SPUR	1S0161094L030.0-000	EXPRESSWAY	114,800	55	NORTHBROOK	COOK
10	NB US-41 AT LAKE-COOK RD.	1S016041R000.0-000	EXPRESSWAY	62,400	55	HIGHLAND PARK	COOK
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12	SB I-57 AT I-80	1S0161057L345.0-000	EXPRESSWAY	105,800	55	COUNTRY CLUB HILLS	COOK
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19	EB IL-56 AT RAMP TO EB IL-38	1C022S056R000.0-000	ARTERIAL	25,900	45	OAKBROOK	DUPAGE
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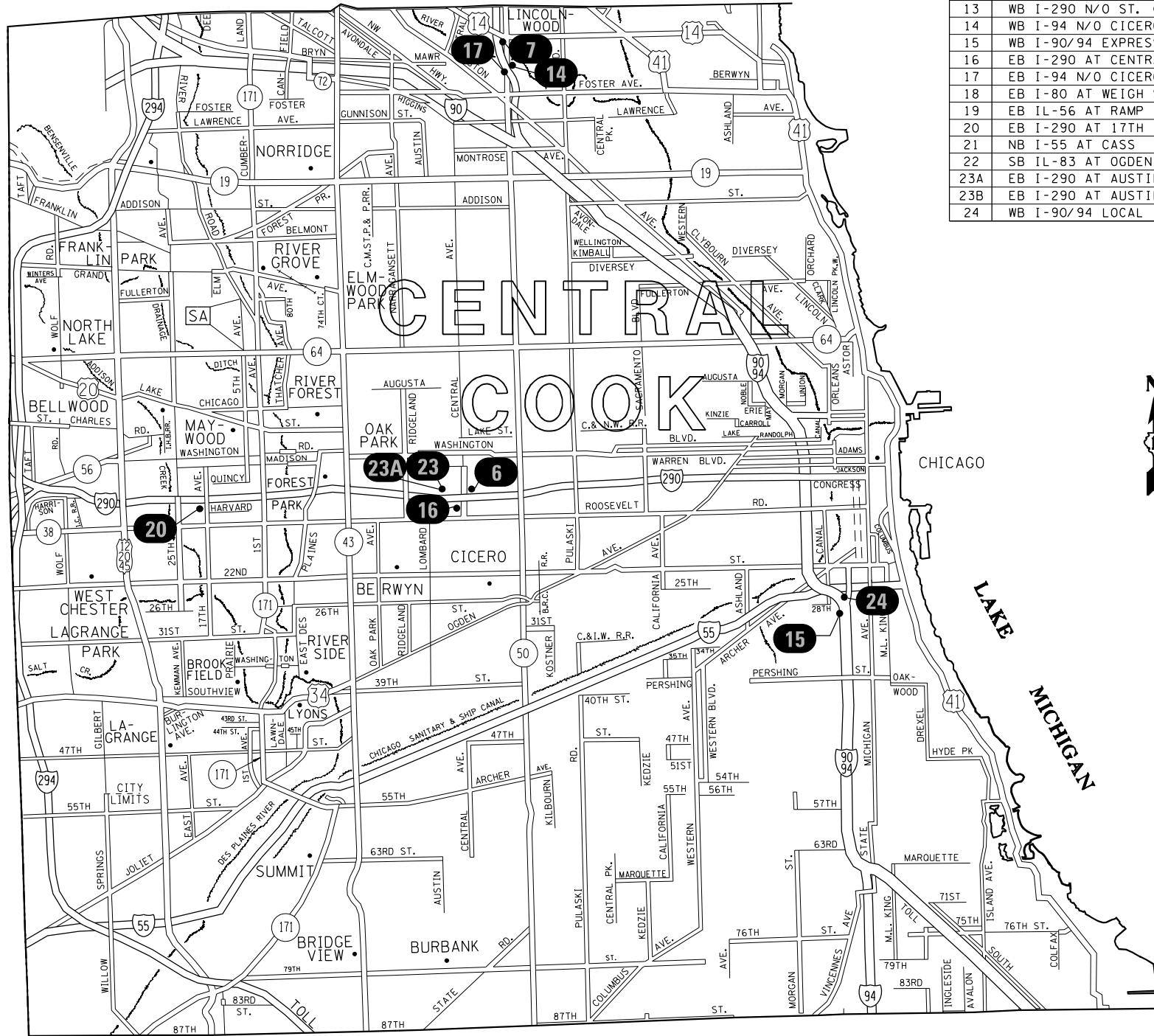
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP (1 OF 5)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		COOK	119	3
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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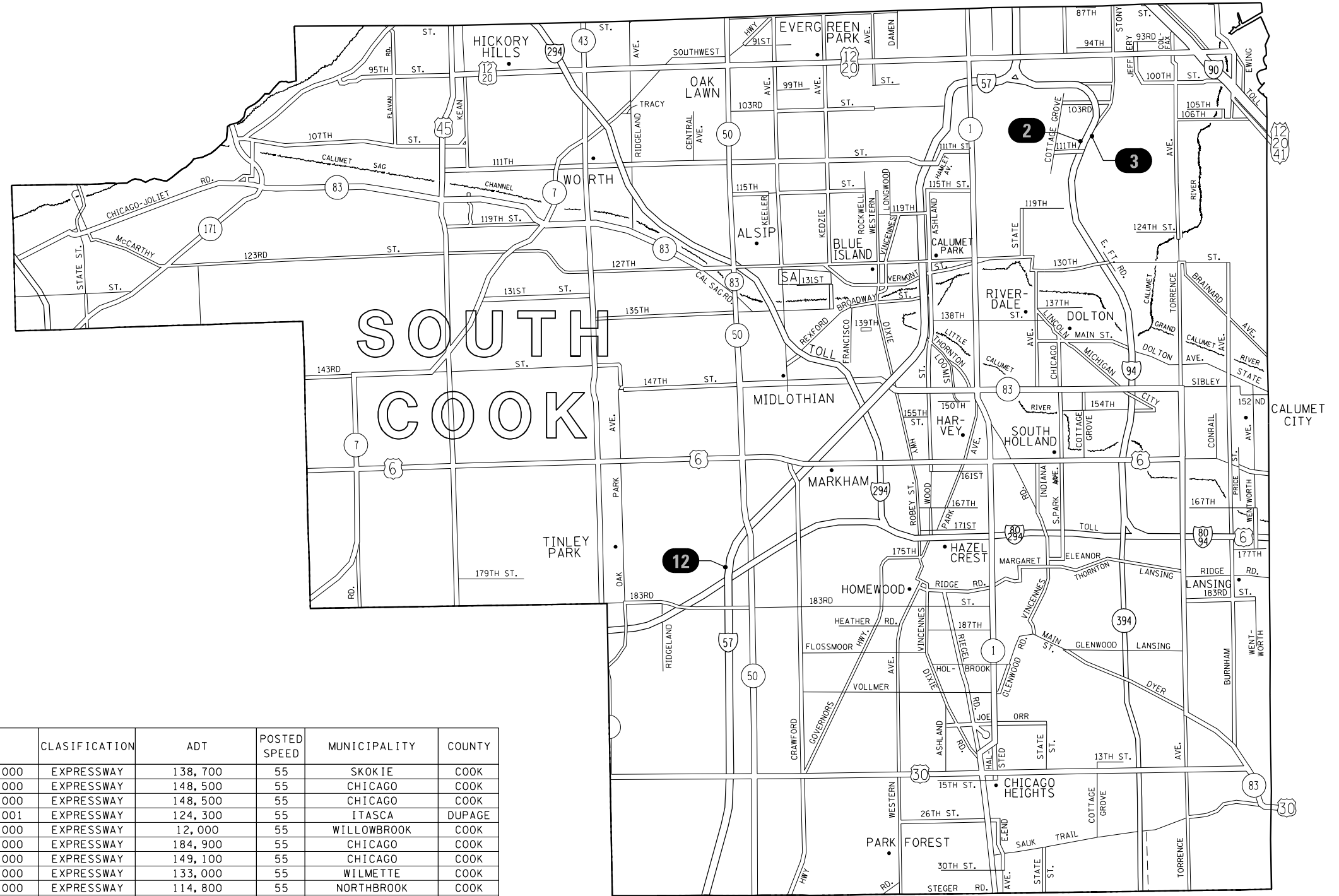
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP (2 OF 5)

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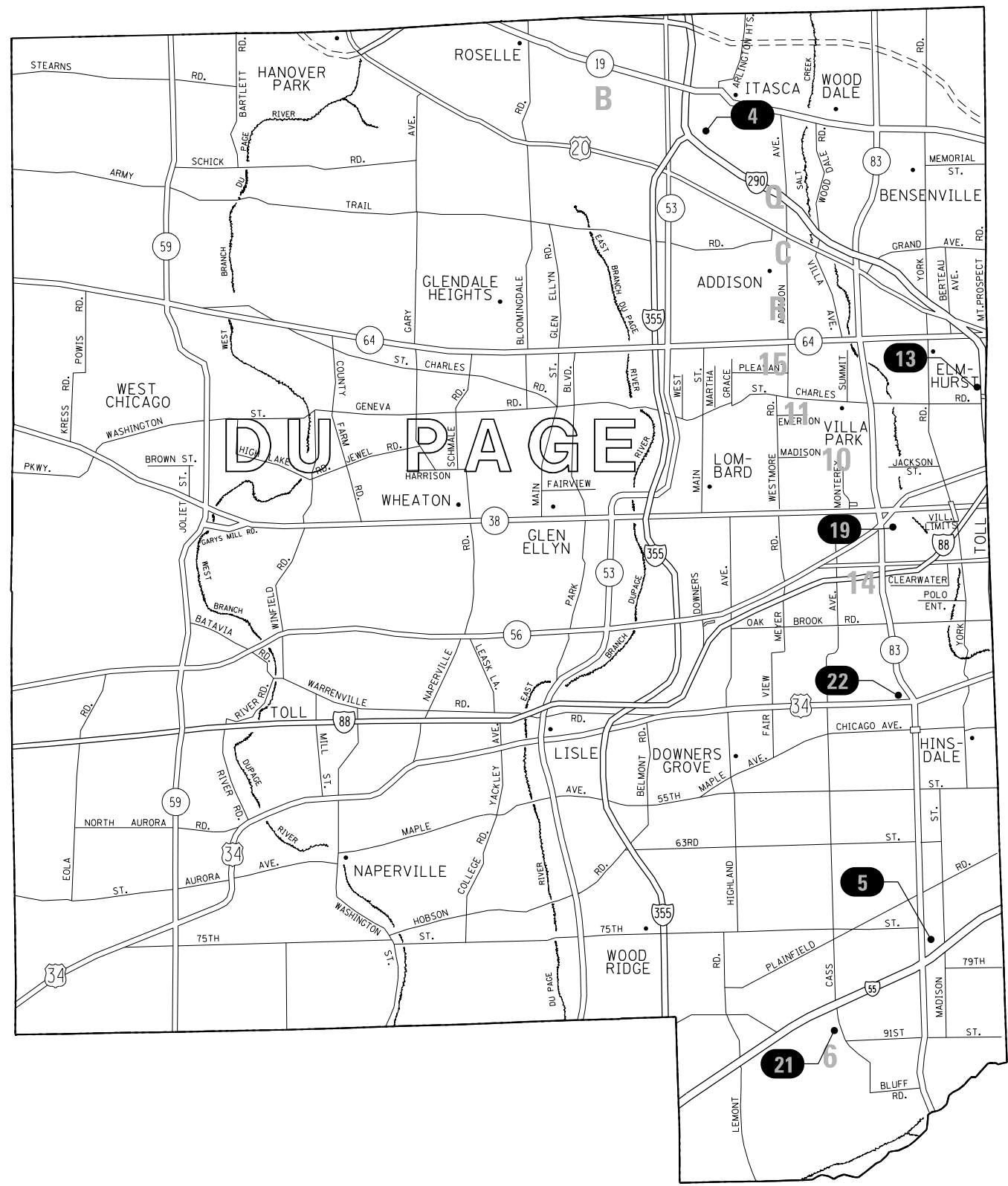
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2	WB I-94 AT 111TH.	1S016I094L066.0-000	EXPRESSWAY	148,500	55	CHICAGO	COOK
3	EB I-94 AT STONY ISLAND	1S016I094R065.7-000	EXPRESSWAY	148,500	55	CHICAGO	COOK
4	WB I-290 AT I-355	1S022I290L000.0-001	EXPRESSWAY	124,300	55	ITASCA	DUPAGE
5	SB I-55 CD ROAD AT IL-83	1S022I055L274.8-000	EXPRESSWAY	12,000	55	WILLOWBROOK	COOK
6	WB I-290 E/O CENTRAL	1S016I290L023.0-000	EXPRESSWAY	184,900	55	CHICAGO	COOK
7	WB I-94 AT PETERSON	1S016I094L041.5-000	EXPRESSWAY	149,100	55	CHICAGO	COOK
8	WB I-94 AT LAKE	1C016I094L034.6-000	EXPRESSWAY	133,000	55	WILMETTE	COOK
9	WB I-94 AT US-41/EDENS SPUR	1S016I094L030.0-000	EXPRESSWAY	114,800	55	NORTHBROOK	COOK
10	NB US-41 AT LAKE-COOK RD.	1S016U041R000.0-000	EXPRESSWAY	62,400	55	HIGHLAND PARK	COOK
11	WB I-94 AT IL-68/DUNDEE	1S016I094L030.3-000	EXPRESSWAY	136,900	55	NORTHBROOK	COOK
12	SB I-57 AT I-80	1S016I057L345.0-000	EXPRESSWAY	105,800	55	COUNTRY CLUB HILLS	COOK
13	WB I-290 N/O ST. CHARLES	1S022I290L014.3-000	EXPRESSWAY	124,200	55	ELMHURST	DUPAGE
14	WB I-94 N/O CICERO	1C016I094L041.8-000	EXPRESSWAY	158,300	55	CHICAGO	COOK
15	WB I-90/94 EXPRESS AT 29TH	1C016I094L054.2-000	EXPRESSWAY	257,400	55	CHICAGO	COOK
16	EB I-290 AT CENTRAL	1C016I290R023.4-000	EXPRESSWAY	197,100	55	CHICAGO	COOK
17	EB I-94 N/O CICERO	1C016I094R041.8-000	EXPRESSWAY	158,300	55	CHICAGO	COOK
18	EB I-80 AT WEIGH STATION	1C99I080R0142.9-000	EXPRESSWAY	102,300	65	MOKENA	WILL
19	EB IL-56 AT RAMP TO EB IL-38	1C022S056R000.0-000	ARTERIAL	25,900	45	OAKBROOK	DUPAGE
20	EB I-290 AT 17TH	1C016I290R018.8-000	EXPRESSWAY	171,800	55	MAYWOOD	COOK
21	NB I-55 AT CASS	1C022I055R272.9-000	EXPRESSWAY	152,600	55	DARIEN	DUPAGE
22	SB IL-83 AT OGDEN	1C022S083L000.0-002	ARTERIAL	56,800	55	WESTMONT	DUPAGE
23A	EB I-290 AT AUSTIN	1B016I290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
23B	EB I-290 AT AUSTIN	1B016I290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
24	WB I-90/94 LOCAL LANES AT 28TH	1S016I094L054.2-000	EXPRESSWAY	257,400	45	CHICAGO	COOK

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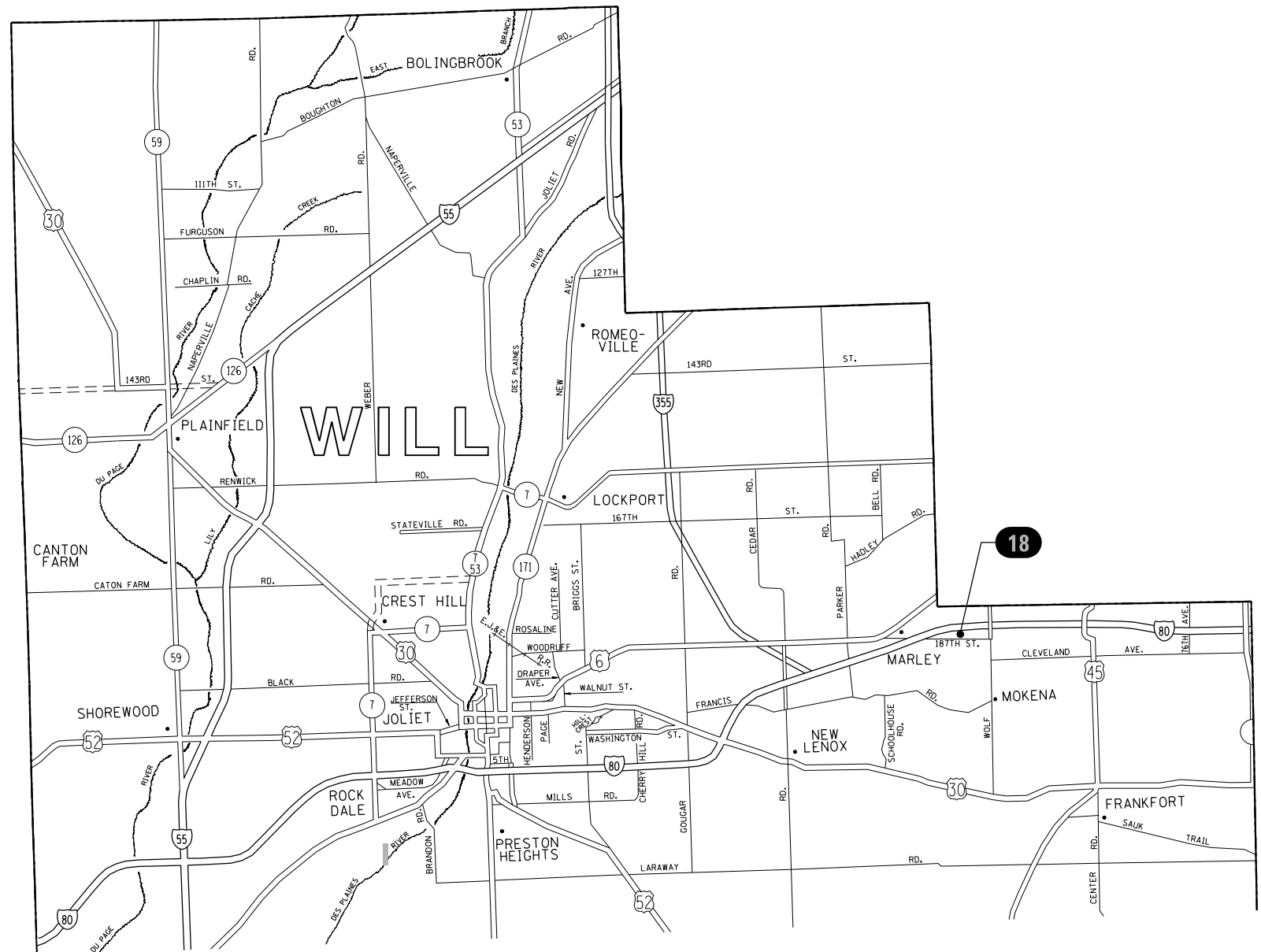
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP (4 OF 5)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27	DuPage	Illinois	119	6
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



LOC. NO.	LOCATION NAME	STRUCTURE NO.	CLASSIFICATION	ADT	POSTED SPEED	MUNICIPALITY	COUNTY
1	WB I-94 AT IL-58/DEMPSTER	1S0161094L037.5-000	EXPRESSWAY	138,700	55	SKOKIE	COOK
2	WB I-94 AT 111TH.	1S0161094L066.0-000	EXPRESSWAY	148,500	55	CHICAGO	COOK
3	EB I-94 AT STONY ISLAND	1S0161094R065.7-000	EXPRESSWAY	148,500	55	CHICAGO	COOK
4	WB I-290 AT I-355	1S0221290L000.0-001	EXPRESSWAY	124,300	55	ITASCA	DUPAGE
5	SB I-55 CD ROAD AT IL-83	1S0221055L274.8-000	EXPRESSWAY	12,000	55	WILLOWBROOK	COOK
6	WB I-290 E/O CENTRAL	1S0161290L023.0-000	EXPRESSWAY	184,900	55	CHICAGO	COOK
7	WB I-94 AT PETERSON	1S0161094L041.5-000	EXPRESSWAY	149,100	55	CHICAGO	COOK
8	WB I-94 AT LAKE	1C0161094L034.6-000	EXPRESSWAY	133,000	55	WILMETTE	COOK
9	WB I-94 AT US-41/EDENS SPUR	1S0161094L030.0-000	EXPRESSWAY	114,800	55	NORTHBROOK	COOK
10	NB US-41 AT LAKE-COOK RD.	1S016U041R000.0-000	EXPRESSWAY	62,400	55	HIGHLAND PARK	COOK
11	WB I-94 AT IL-68/DUNDEE	1S0161094L030.3-000	EXPRESSWAY	136,900	55	NORTHBROOK	COOK
12	SB I-57 AT I-80	1S0161057L345.0-000	EXPRESSWAY	105,800	55	COUNTRY CLUB HILLS	COOK
13	WB I-290 N/O ST. CHARLES	1S0221290L014.3-000	EXPRESSWAY	124,200	55	ELMHURST	DUPAGE
14	WB I-94 N/O CICERO	1C0161094L041.8-000	EXPRESSWAY	158,300	55	CHICAGO	COOK
15	WB I-90/94 EXPRESS AT 29TH	1C0161094L054.2-000	EXPRESSWAY	257,400	55	CHICAGO	COOK
16	EB I-290 AT CENTRAL	1C0161290R023.4-000	EXPRESSWAY	197,100	55	CHICAGO	COOK
17	EB I-94 N/O CICERO	1C0161094R041.8-000	EXPRESSWAY	158,300	55	CHICAGO	COOK
18	EB I-80 AT WEIGH STATION	1C991080R0142.9-000	EXPRESSWAY	102,300	65	MOKENA	WILL
19	EB IL-56 AT RAMP TO EB IL-38	1C022S056R000.0-000	ARTERIAL	25,900	45	OAKBROOK	DUPAGE
20	EB I-290 AT 17TH	1C0161290R018.8-000	EXPRESSWAY	171,800	55	MAYWOOD	COOK
21	NB I-55 AT CASS	1C0221055R272.9-000	EXPRESSWAY	152,600	55	DARIEN	DUPAGE
22	SB IL-83 AT OGDEN	1C022S083L000.0-002	ARTERIAL	56,800	55	WESTMONT	DUPAGE
23A	EB I-290 AT AUSTIN	1B0161290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
23B	EB I-290 AT AUSTIN	1B0161290R023.2-000	EXPRESSWAY	160,600	55	OAK PARK	COOK
24	WB I-90/94 LOCAL LANES AT 28TH	1S0161094L054.2-000	EXPRESSWAY	257,400	45	CHICAGO	COOK

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USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE - 08/16/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP (5 OF 5)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		WILL	119	7
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOCATION																								
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23A	23B	24
				100% STATE																								
				0021																								
URBAN																												
				COOK				DUPAGE	COOK				DUPAGE	COOK				WILL	DUPAGE	COOK	DUPAGE	COOK						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	220	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
25000210	SEEDING, CLASS 2A	ACRE	0.088	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2.64	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2.64	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12		
25100630	EROSION CONTROL BLANKET	SQ YD	1,100	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	65																									
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	570																									
44001980	CONCRETE BARRIER REMOVAL	FOOT	300	30	30		30	30		30	30	30	30	30														
63700805	CONCRETE BARRIER TRANSITION	FOOT	200	20	20		20	20		20	20	20	20	20														
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	2,560																									
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	61.4																									
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4																									
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1																									
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1																									

USER NAME = koby/kaka	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE - 08/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
(SHEET 1 OF 4)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	8
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOCATION																								
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23A	23B	24
				100% STATE																								
				0021																								
URBAN																												
				COOK				DUPAGE		COOK				DUPAGE		COOK				WILL	DUPAGE	COOK	DUPAGE		COOK			
73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	29																						14	15		
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	440.6	31.4	25.8	19.8	22.5	23.1	19.4	26.4	26.6	28.8	33.5	43.3	25.1	16.8	7.7	9	10.3	10.3	12.2	12.3	12.7	10.9	12.7			
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	14	1	1	1	1	1	1	1	1	1	1	1	1	1											1	
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	9														1	1	1	1	1	1	1	1	1			
73602000	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	2																						1	1		
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	25	1	1	2	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,200		600					600	600	600	600	600		600												
78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	2,100		300					300	300	300	300	300		300												
* 78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	2,100		300					300	300	300	300	300		300												
* 78100300	REPLACEMENT REFLECTOR	EACH	224		32					32	32	32	32	32		32												
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	160	16	16		16	16		16	16	16	16	16		16												
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2,275	325						325	325	325	325	325		325												
83600357	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	1											1														
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1											1														

USER NAME = koby/ekaka	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED -	REVISED -
	DATE - 08/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
(SHEET 3 OF 4)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	10
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOCATION																								
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23A	23B	24
				100% STATE																								
				0021																								
URBAN																												
				COOK			DUPAGE	COOK			DUPAGE	COOK			WILL	DUPAGE	COOK	DUPAGE	COOK									
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1									1																
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	280									280																
X0325265	REMOVE ELECTRIC SERVICE	EACH	25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
X0326465	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM	L SUM	1									1																
X0326948	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, 50 FT.	EACH	1									1																
	MOUNTING HEIGHT																											
X0327606	FIBER OPTIC SPLICE-LATERAL	EACH	1									1																
X2600029	OVERHEAD SIGN STRUCTURE - TRICHORD - TYPE TRI-I-S	FOOT	61																							61		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1																							0.5		
																										0.5		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043		
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	280									280																
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1																							1		
X1400478	CCTV EQUIPMENT, MEDIA CONVERTER DISTRIBUTION	EACH	1									1																
40600290	BITUMINOUS MATERIAL (TACK COAT)	POUND	260																							260		

USER NAME = koby/kaka	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
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PLOT DATE = 10/22/2021	DATE - 08/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
(SHEET 4 OF 4)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	11
			CONTRACT NO. 46539	
ILLINOIS FED. AID PROJECT				

LOCATION NO.		1		STATE I.D. NO.		1S0161094L037.5-000			
COUNTY	COOK	ROUTE	I-94	M.P.	37.5	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
CONCRETE BARRIER REMOVAL	FOOT	30							
CONCRETE BARRIER TRANSITION	FOOT	20							
TEMPORARY CONCRETE BARRIER WALL	FOOT	200							
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2							
SIGN PANEL - TYPE 3	SO FT	586.5							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'6" X 5'3")	FOOT	106							
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	31.4							
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1							
BARRIER WALL REFLECTORS, TYPE C	EACH	16							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							

LOCATION NO.		2		STATE I.D. NO.		1S0161094L066.0-000			
COUNTY	COOK	ROUTE	I-94	M.P.	66.0	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
CONCRETE BARRIER REMOVAL	FOOT	30							
CONCRETE BARRIER TRANSITION	FOOT	20							
PAVEMENT MARKING REMOVAL	SO FT	325							
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV, 4 INCH	FOOT	600							
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV, 5 INCH	FOOT	300							
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - 5"	FOOT	300							
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300							
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600							
REPLACEMENT REFLECTORS	EACH	32							
TEMPORARY CONCRETE BARRIER WALL	FOOT	200							
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2							
SIGN PANEL - TYPE 3	SO FT	381							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	69							

LOCATION NO.		2		STATE I.D. NO.		1S0161094L066.0-000			
COUNTY	COOK	ROUTE	I-94	M.P.	66.0	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
DRILL SHAFT CONCRETE FOUNDATIONS	CU YD	25.8							
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONTRATE FOUNDATION - OVERHEAD	EACH	1							
BARRIER WALL REFLECTORS, TYPE C	EACH	16							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							

LOCATION NO.		3		STATE I.D. NO.		1S0161094R065.7-0000			
COUNTY	COOK	ROUTE	I-94	M.P.	65.7	DIRECTION	EB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
SIGN PANEL - TYPE 3	SO FT	152							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	70							
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	19.8							
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							
RELOCATE SIGN PANEL TYPE 2	SO FT	12							

LOCATION NO.		4		STATE I.D. NO.		1S0221290L000.0-001			
COUNTY	DUPAGE	ROUTE	I-290	M.P.	6.9	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
CONCRETE BARRIER REMOVAL	FOOT	30							
CONCRETE BARRIER TRANSITION	FOOT	20							
TEMPORARY CONCRETE BARRIER WALL	FOOT	200							
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2							
SIGN PANEL - TYPE 3	SO FT	498							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	96							
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.5							
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1							
BARRIER WALL REFLECTORS, TYPE C	EACH	16							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							

LOCATION NO.		5		STATE I.D. NO.		1S0221055L274.8-000			
COUNTY	DUPAGE	ROUTE	I-55	M.P.	274.8	DIRECTION	SB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
CONCRETE BARRIER REMOVAL	FOOT	30							
CONCRETE BARRIER TRANSITION	FOOT	20							
TEMPORARY CONCRETE BARRIER WALL	FOOT	200							
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2							
SIGN PANEL - TYPE 3	SO FT	284							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	60							
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	23.1							
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1							
BARRIER WALL REFLECTORS, TYPE C	EACH	16							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							
RELOCATE SIGN PANEL TYPE 2	SO FT	12							

LOCATION NO.		6		STATE I.D. NO.		1S0161290L023.0-000			
COUNTY	COOK	ROUTE	I-290	M.P.	23.0	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
RELOCATE SIGN PANEL - TYPE 3	SO FT	375							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	82							
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD								
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	0.043							

LOCATION NO.		7		STATE I.D. NO.		1S0161094L041.5-000			
COUNTY	COOK	ROUTE	I-94	M.P.	41.5	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"	SO YD	10							
SEEDING, CLASS 2A	ACRE	0.004							
NITROGEN FERTILIZER NUTRIENT	POUND	0.12							
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12							
EROSION CONTROL BLANKET	SO YD	50							
CONCRETE BARRIER REMOVAL	FOOT	30							
CONCRETE BARRIER TRANSITION	FOOT	20							
PAVEMENT MARKING REMOVAL	SO FT	325							
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV 4"	FOOT	600							
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300							
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300							
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600							
REPLACEMENT REFLECTORS	EACH	32							
TEMPORARY CONCRETE BARRIER WALL	FOOT	200							
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2							
SIGN PANEL - TYPE 3	SO FT	565.25							
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	100							
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300							

LOCATION NO.		7		STATE I.D. NO.		1S0161094L041.5-000			
COUNTY	COOK	ROUTE	I-94	M.P.	41.5	DIRECTION	WB		
PAY ITEM DESCRIPTION								UNIT	QTY
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD								
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1							
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1							
BARRIER WALL REFLECTORS, TYPE C	EACH	16							
REMOVE ELECTRIC SERVICE	EACH	1							
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043							

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	DRAWN -	REVISED -
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PLOT DATE = 10/20/2021	DATE - 08/16/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
(SHEET 1 OF 4)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	12
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

LOCATION NO.	8	STATE I.D. NO.	1S0161094L034.6-000				
COUNTY	COOK	ROUTE	I-94	M. P.	34.6	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
CONCRETE BARRIER REMOVAL	FOOT	30					
CONCRETE BARRIER TRANSITION	FOOT	20					
PAVEMENT MARKING REMOVAL	SQ FT	325					
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV	FOOT	600					
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300					
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300					
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600					
REPLACEMENT REFLECTORS	EACH	32					
TEMPORARY CONCRETE BARRIER WALL	FOOT	200					
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2					
SIGN PANEL - TYPE 3	SQ FT	392.5					
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	99					
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	26.6					

LOCATION NO.	8	STATE I.D. NO.	1S0161094L034.6-000				
COUNTY	COOK	ROUTE	I-94	M. P.	34.6	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300					
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
BARRIER WALL REFLECTORS, TYPE C	EACH	16					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	9	STATE I.D. NO.	1S0161094L030.0-000				
COUNTY	COOK	ROUTE	I-94	M. P.	30.0	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
CONCRETE BARRIER REMOVAL	FOOT	30					
CONCRETE BARRIER TRANSITION	FOOT	20					
PAVEMENT MARKING REMOVAL	SQ FT	325					
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV - 4"	FOOT	600					
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300					
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300					
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600					
REPLACEMENT REFLECTORS	EACH	32					
TEMPORARY CONCRETE BARRIER WALL	FOOT	200					
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2					
SIGN PANEL - TYPE 3	SQ FT	448.5					
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'0"X7'0")	FOOT	86					
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	28.8					

LOCATION NO.	9	STATE I.D. NO.	1S0161094L030.0-000				
COUNTY	COOK	ROUTE	I-94	M. P.	30.0	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300					
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
BARRIER WALL REFLECTORS, TYPE C	EACH	16					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	10	STATE I.D. NO.	1S016U041R000.0-000				
COUNTY	COOK	ROUTE	US-41	M. P.	-	DIRECTION	NB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
CONCRETE BARRIER REMOVAL	FOOT	30					
CONCRETE BARRIER TRANSITION	FOOT	20					
PAVEMENT MARKING REMOVAL	SQ FT	325					
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV - 4"	FOOT	600					
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300					
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300					
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600					
REPLACEMENT REFLECTORS	EACH	32					
TEMPORARY CONCRETE BARRIER WALL	FOOT	200					
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2					
SIGN PANEL - TYPE 3	SQ FT	180					
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	90					
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	33.5					

LOCATION NO.	10	STATE I.D. NO.	1S016U041R000.0-000				
COUNTY	COOK	ROUTE	US-41	M. P.	-	DIRECTION	NB
PAY ITEM DESCRIPTION	UNIT	QTY					
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
BARRIER WALL REFLECTORS, TYPE C	EACH	16					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	11	STATE I.D. NO.	1S0161094L030.3-000				
COUNTY	COOK	ROUTE	I-94	M. P.	30.3	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
CONCRETE BARRIER REMOVAL	FOOT	30					
CONCRETE BARRIER TRANSITION	FOOT	20					
PAVEMENT MARKING REMOVAL	SQ FT	325					
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV	FOOT	600					
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300					
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300					
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600					
REPLACEMENT REFLECTORS	EACH	32					
TEMPORARY CONCRETE BARRIER WALL	FOOT	200					
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2					
SIGN PANEL - TYPE 3	SQ FT	479.5					
OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'6"X5'3")	FOOT	104					
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	43.3					

LOCATION NO.	11	STATE I.D. NO.	1S0161094L030.3-000				
COUNTY	COOK	ROUTE	I-94	M. P.	30.3	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300					
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
BARRIER WALL REFLECTORS, TYPE C	EACH	16					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	12	STATE I.D. NO.	1S0161057L345.0-000				
COUNTY	COOK	ROUTE	I-57	M. P.	345	DIRECTION	SB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
SIGN PANEL - TYPE 3	SQ FT	532.25					
OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'6"X5'3")	FOOT	115					
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	25.1					
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	2					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					
RELOCATE CCTV	EACH	1					
NON-SPECIAL WASTE DISPOSAL	CU YD	25.1					
SOIL DISPOSAL ANALYSIS	EACH	1					
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	0.25					
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	0.25					
REGULATED SUBSTANCES MONITORING	DAYS	2					

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PLOT SCALE = 100.0000' / in.	DRAWN - LP	REVISED -
PLOT DATE = 9/29/2021	CHECKED - HM	REVISED -
	DATE - 11/03/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
(SHEET 2 OF 4)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	13
			CONTRACT NO. 46539	
ILLINOIS FED. AID PROJECT				

LOCATION NO.	13	STATE I.D. NO.	1S0221290L014.3-000
COUNTY	DUPAGE	ROUTE	I-290
M.P.	14.3	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
CONCRETE BARRIER REMOVAL	FOOT	30	
CONCRETE BARRIER TRANSITION	FOOT	20	
PAVEMENT MARKING REMOVAL	SQ FT	325	
TEMPORARY PAVEMENT MARKING TAPE - TYPE IV 4"	FOOT	600	
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D-5"	FOOT	300	
GROOVING FOR RECESSED PAVEMENT MARKING - 6"	FOOT	300	
THERMOPLASTIC PAVEMENT MARKING - 4"	FOOT	600	
REPLACEMENT REFLECTORS	EACH	32	
TEMPORARY CONCRETE BARRIER WALL	FOOT	200	
IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2	
SIGN PANEL - TYPE 3	SQ FT	306.25	
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'0"X4'6")	FOOT	64	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	16.8	

LOCATION NO.	13	STATE I.D. NO.	1S0221290L014.3-000
COUNTY	DUPAGE	ROUTE	I-290
M.P.	14.3	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY	
TEMP PVT MK TAPE TYPE IV - 5"	FOOT	300	
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
BARRIER WALL REFLECTORS, TYPE C	EACH	16	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	
HMA SURFACE REMOVAL - 2"	SQ YD	570	
HMA SURFACE COURSE MIX D N70	TON	65	
SHOULDER RUMBLE STRIPS 16 INCH	FOOT	2,560	
RELOCATE SIGN PANEL TYPE 2	SQ FT	12	
BITUMINOUS MATERIALS (TACK COAT)	POUND	260	

LOCATION NO.	14	STATE I.D. NO.	1C0161094L041.8-000
COUNTY	COOK	ROUTE	I-94
M.P.	41.8	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ YD	175	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	30	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	7.7	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	

LOCATION NO.	15	STATE I.D. NO.	1C0161094L054.2-000
COUNTY	COOK	ROUTE	I-94
M.P.	54.2	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY	
SIGN PANEL - TYPE 3	SQ FT	150	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE I-C-A (24"X4'6")	FOOT	25	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	9.0	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	

LOCATION NO.	16	STATE I.D. NO.	1C0161290R023.4-000
COUNTY	COOK	ROUTE	I-290
M.P.	23.4	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ FT	162	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	36	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	10.3	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	
RAILROAD PROTECTION AND LIABILITY INSURANCE	LSUM	1	

LOCATION NO.	17	STATE I.D. NO.	1C0161094R041.8-000
COUNTY	COOK	ROUTE	I-94
M.P.	41.8	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ FT	183.75	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	34	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	10.3	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	

LOCATION NO.	18	STATE I.D. NO.	1C0991080R142.9-000
COUNTY	WILL	ROUTE	I-80
M.P.	142.9	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ FT	71.5	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	37	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	12.2	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	

LOCATION NO.	19	STATE I.D. NO.	1C022S056R000.0-000
COUNTY	DUPAGE	ROUTE	IL-56
M.P.	-	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ FT	204.75	
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	40	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	12.3	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	0.5	

LOCATION NO.	20	STATE I.D. NO.	1C0161290R018.8-000
COUNTY	COOK	ROUTE	I-290
M.P.	18.8	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY	
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10	
SEEDING, CLASS 2A	ACRE	0.004	
NITROGEN FERTILIZER NUTRIENT	POUND	0.12	
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12	
EROSION CONTROL BLANKET	SQ YD	50	
SIGN PANEL - TYPE 3	SQ FT	100.75	
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-C-A (36"X7'0")	FOOT	40	
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	12.7	
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1	
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
REMOVE ELECTRIC SERVICE	EACH	1	
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043	
NON-SPECIAL WASTE DISPOSAL	CU YD	12.7	
SOIL DISPOSAL ANALYSIS	EACH	1	
REGULATED SUBSTANCES PRE-FINAL CONSTRUCTION REPORT	LSUM	0.25	
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	0.25	
REGULATED SUBSTANCES MONITORING	DAYS	1	

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	DATE - 08/24/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
(SHEET 3 OF 4)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	14
				CONTRACT NO. 46539
				ILLINOIS FED. AID PROJECT

LOCATION NO.	21	STATE I. D. NO.	1C0221055R272.9-000				
COUNTY	DUPAGE	ROUTE	I-55	M. P.	272.9	DIRECTION	
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
SIGN PANEL - TYPE 3	SQ FT	131.75					
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	35					
DRILLED SHAFT CONCRETE FOUNDATIONS	SQ YD	10.9					
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION EXPRESWAY	LSUM	0.043					
NON-SPECIAL WASTE DISPOSAL	CU YD	10.9					
SOIL DISPOSAL ANALYSIS	EACH	1					
REGULATED SUBSTANCES PRE-FINAL CONSTRUCTION REPORT	LSUM	0.25					
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	0.25					
REGULATED SUBSTANCES MONITORING	DAYS	1					

LOCATION NO.	22	STATE I. D. NO.	1C022S083L000.0-002				
COUNTY	DUPAGE	ROUTE	IL-83	M. P.	-	DIRECTION	SB
PAY ITEM DESCRIPTION	UNIT	QTY					
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10					
SEEDING, CLASS 2A	ACRE	0.004					
NITROGEN FERTILIZER NUTRIENT	POUND	0.12					
POTASSIUM FERTILIZER NUTRIENT	POUND	0.12					
EROSION CONTROL BLANKET	SQ YD	50					
SIGN PANEL - TYPE 3	SQ FT	145					
OVERHEAD SIGN STRUCTURE - CANTILIEVER, TYPE III-C-A (36"X7'0")	FOOT	40					
DRILLED SHAFT CONCRETE FOUNDATIONS	SQ YD	12.7					
REMOVE OVERHEAD SIGN STRUCTURE - CANTILIEVER	EACH	1					
REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION SPECIAL	LSUM	0.5					
NON-SPECIAL WASTE DISPOSAL	CU YD	12.7					
SOIL DISPOSAL ANALYSIS	EACH	1					
REGULATED SUBSTANCES PRE-FINAL CONSTRUCTION REPORT	LSUM	0.25					
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	0.25					
REGULATED SUBSTANCES MONITORING	DAYS	1					

LOCATION NO.	23A	STATE I. D. NO.	1B0161290R023.2-000				
COUNTY	COOK	ROUTE	I-290	M. P.	23.2	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY					
SIGN PANEL - TYPE 3	SQ FT	175					
OVERHEAD SIGN STRUCTURE - BRIDGE MOUNT	FOOT	14					
REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNT	EACH	1					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	23B	STATE I. D. NO.	1B0161290R023.2-000				
COUNTY	COOK	ROUTE	I-290	M. P.	23.2	DIRECTION	EB
PAY ITEM DESCRIPTION	UNIT	QTY					
SIGN PANEL - TYPE 3	SQ FT	127.5					
OVERHEAD SIGN STRUCTURE - BRIDGE MOUNT	FOOT	15					
REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNT	EACH	1					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.043					

LOCATION NO.	24	STATE I. D. NO.	1S0161094L054.2-000				
COUNTY	COOK	ROUTE	I-94	M. P.	54.2	DIRECTION	WB
PAY ITEM DESCRIPTION	UNIT	QTY					
SIGN PANEL - TYPE 3	SQ FT	342					
OVERHEAD SIGN STRUCTURE - TRICHORD TYPE TRI-I-S	FOOT	61					
REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1					
REMOVE ELECTRIC SERVICE	EACH	1					
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	0.054					

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	4% AT 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES (SHEET 4 OF 4)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		VARIOUS	119	15
				CONTRACT NO. 46539
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. (2001, 4th edition, 2002 interim) ("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

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

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

MINIMUM CLEARANCE: Vertical Roadway Clearance = 17'-3" (All Obstructions)

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

MATERIALS: Structural steel pipe for chords shall be ASTM A500 Grade C. Structural steel pipe for perpendiculars and diagonals 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. 50 or ASTM A992 Gr. 50. The W24 columns and stiffening ribs at the base plate shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

GALVANIZING: All steel grating, plates, shapes and pipe shall be hot dip galvanized after fabrication in accordance with AASHTO M111. All bolts, u-bolts, eye bolts, lock nuts and washers must be hot dip galvanized per AASHTO M232.

FASTENERS FOR STEEL TRUSSES: All bolts noted as "high strength" (HS) must satisfy the requirements of AASHTO M164 (ASTM A325), ASTM A449, or an Engineer approved alternate, and must have matching lock nuts and washers. All bolts, u-bolts, eye bolts, lock nuts and washers not specified to be "high strength" must satisfy the requirements of ASTM A307 Gr B. All lock nuts must have nylon or steel inserts. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the Standard Specifications. Rotational capacity ("ROCAP") testing will not be required.

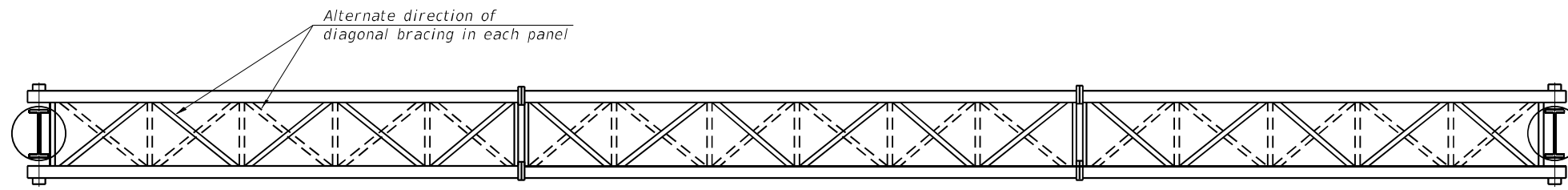
ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105. Galvanize the upper 12" minimum per AASHTO M232.

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.

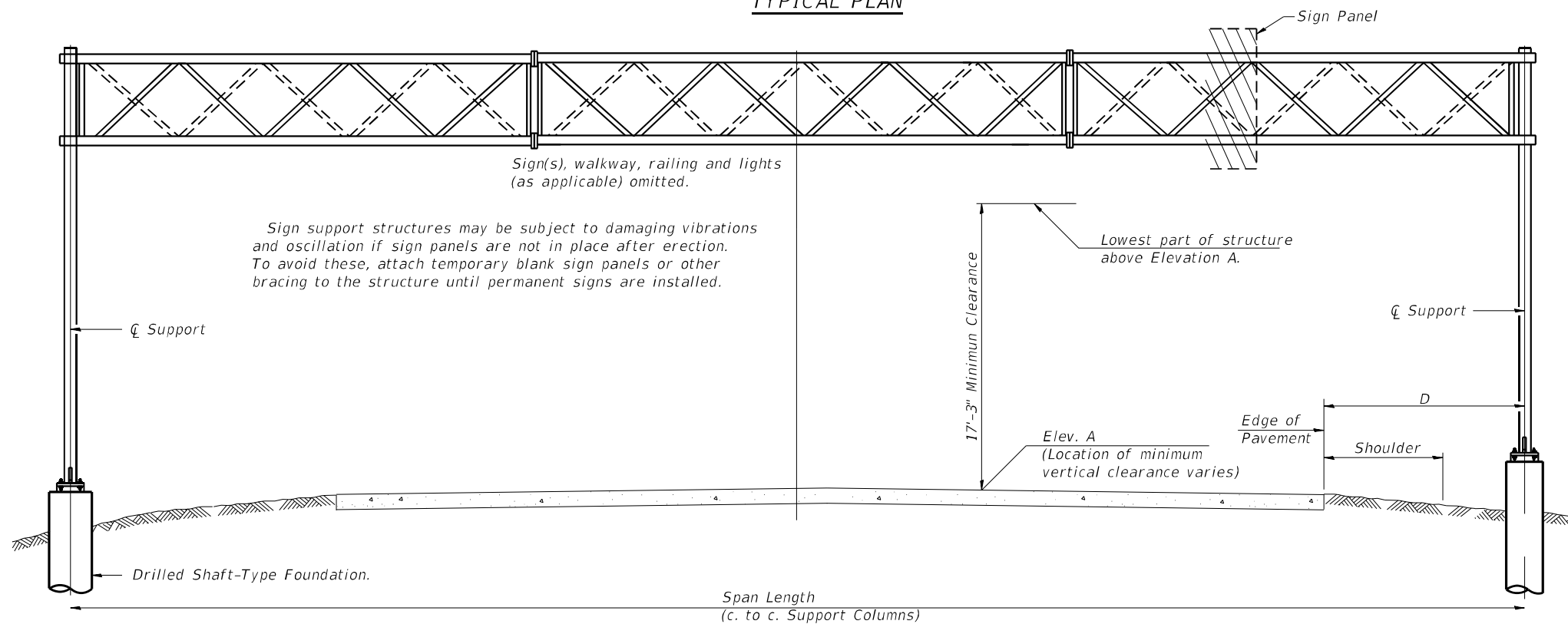
REINFORCEMENT BARS: Reinforcement bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

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

Structure to be placed on existing anchor bolts. Contractor to verify anchor bolt pattern prior to fabrication.



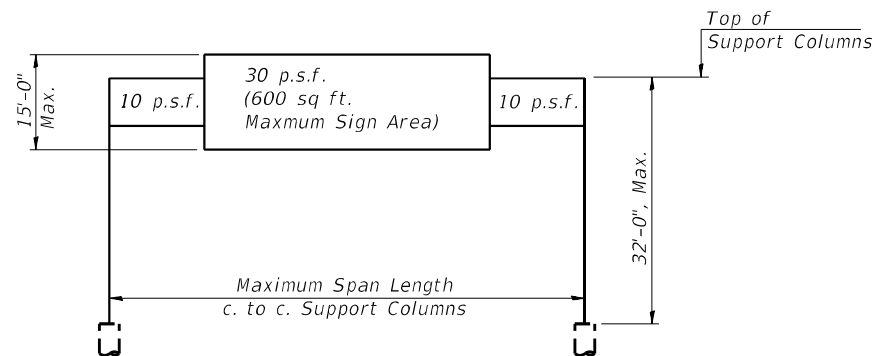
TYPICAL PLAN



TYPICAL ELEVATION

(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.



DESIGN WIND LOADING DIAGRAM

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

Structure Number	Location	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
1S0161094L054.2-000	24	TRI-I-S	61'0"	599.35	10'0"	13'0"	342 SF

**Looking upstation for structures with signs both sides.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE - TRICHORD TYPE TRI-I-S	Foot	61FT
OVERHEAD SIGN STRUCTURE - TRICHORD TYPE TRI-II-S	Foot	-
OVERHEAD SIGN STRUCTURE - TRICHORD TYPE TRI-III-S	Foot	-
OVERHEAD SIGN STRUCTURE - TRICHORD TYPE TRI-IV-S	Foot	-
TRICHORD SIGN WALKWAY TYPE S	Foot	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	-

TRI-S-1 2-17-2017

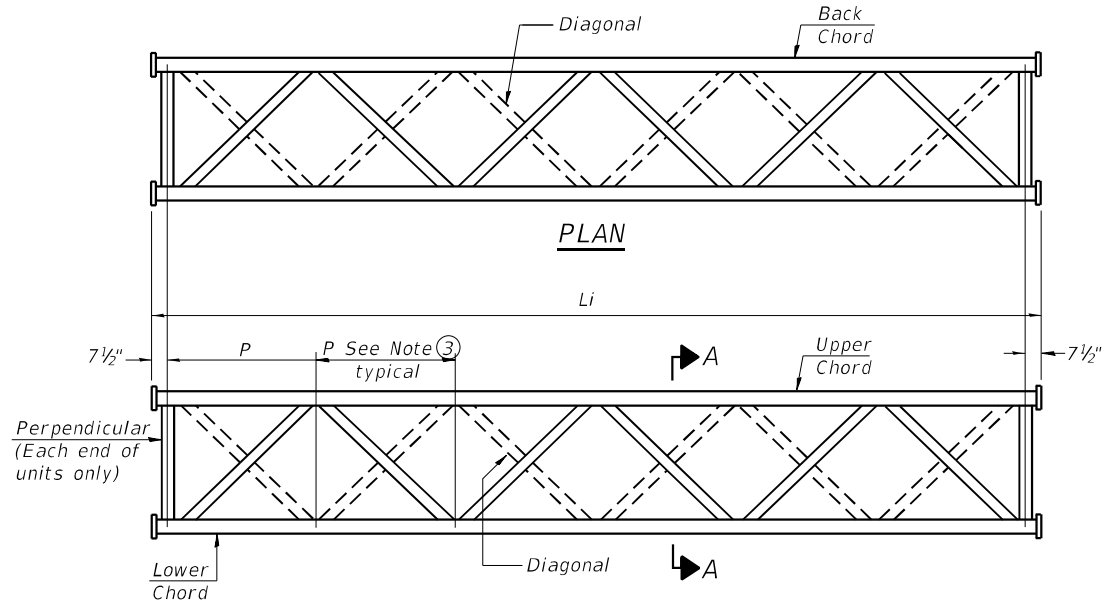
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRI-CHORD SIGN STRUCTURES - GENERAL PLAN
& ELEVATION - STEEL TRUSS & STEEL SUPPORTS**

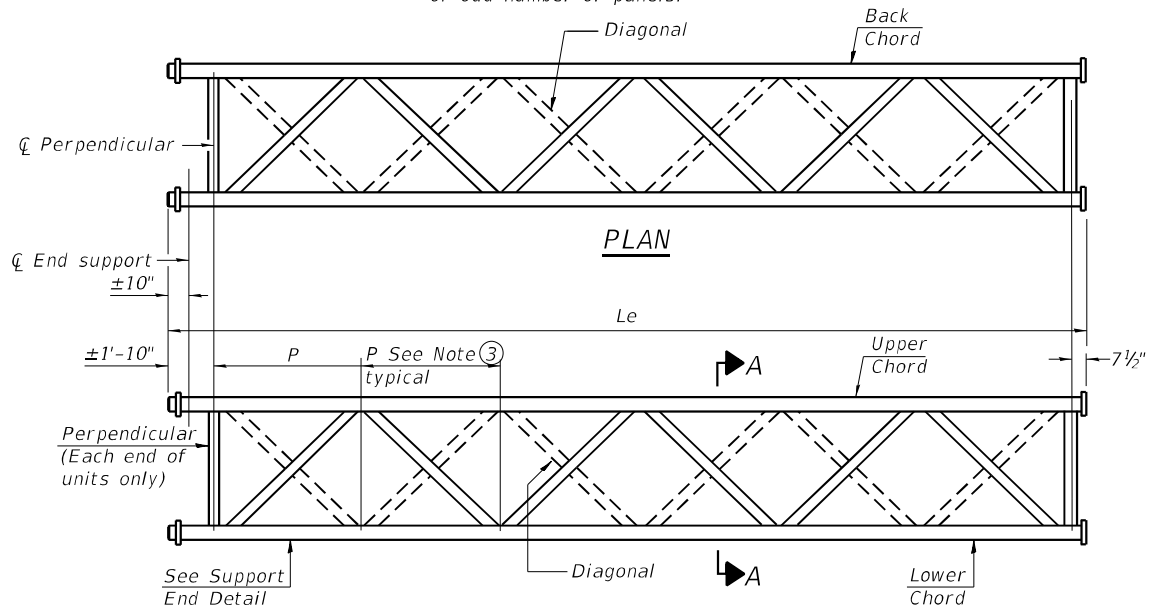
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIGN STR REPL 20-27	VARIOUS	ILLINOIS	119	16
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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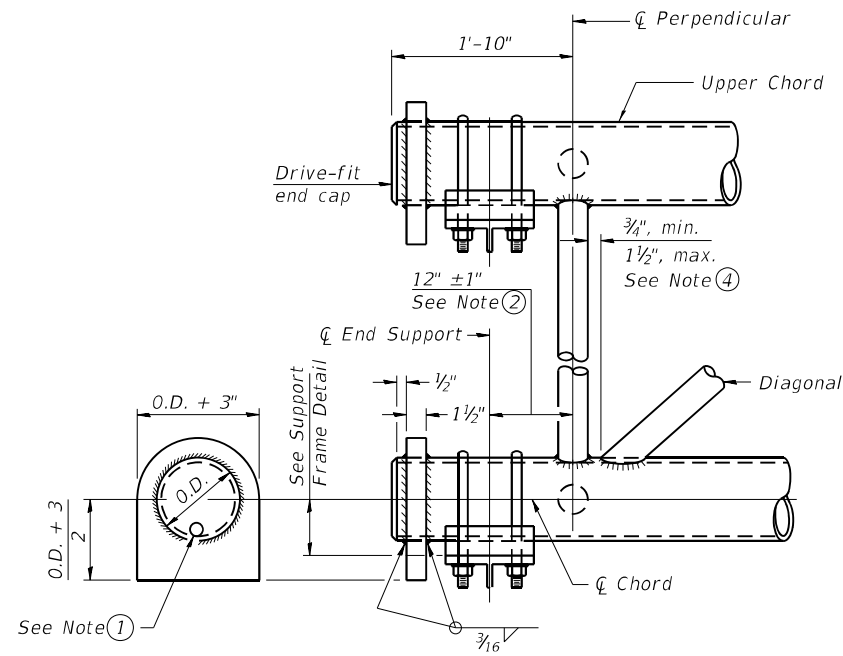
**ELEVATION
TYPICAL INTERIOR UNIT**

Even number of panels/interior unit required.
For two interior units, each unit may have even or odd number of panels.

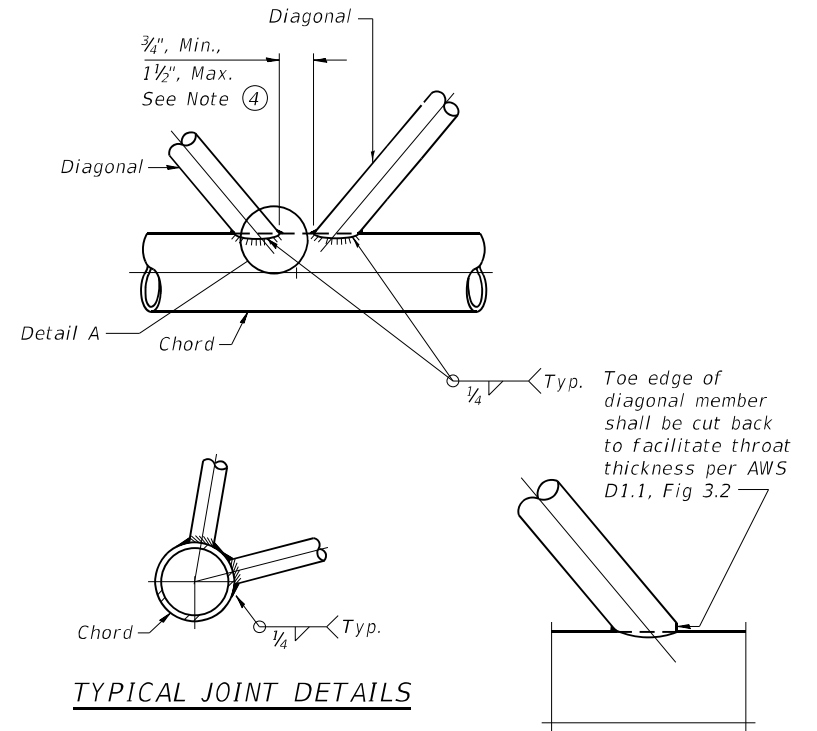


**ELEVATION
TYPICAL EXTERIOR UNIT**

Even or odd number of panels/exterior unit allowed.



SUPPORT END DETAIL FOR EXTERIOR UNIT

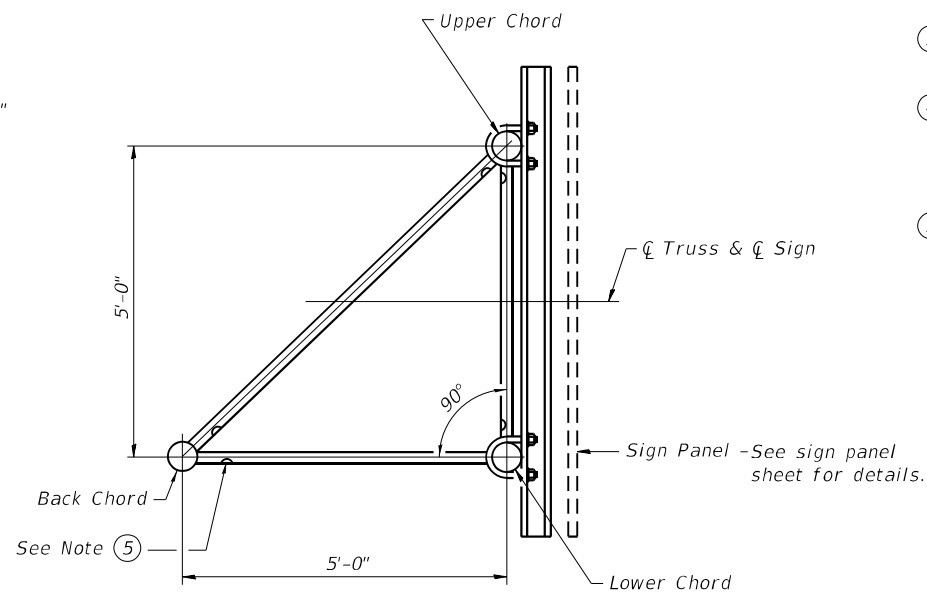


TYPICAL JOINT DETAILS

DETAIL A

NOTES

- ① Contractor must use standard drive-fit cap to close end. The drive-fit cap must have a 1/2" Ø drain hole and must be installed after galvanizing. (Typ. at non-splice ends of chords)
- ② 1'-10" end dimension may vary by ±1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0". (Fabricator may vary for uniform diagonals).
- ④ All diagonals shall be offset from the panel point based on the following: offset shall provide a 3/4" minimum to 1 1/2" maximum clearance between diagonal and any other diagonal, or perpendicular member, and to provide clearance for U-bolt connections of signs or walkway brackets.
- ⑤ Galvanizing vent holes of adequate size must be provided at each end of truss members except chords. Place on underside of sloping members and truss side of vertical members. Alternately, holes may be provided in wall of chords. All vent holes must be drilled and de-burred, typ.



SECTION A-A

TRI-S-2

2-17-2017

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DRAWN -	REVISOR -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

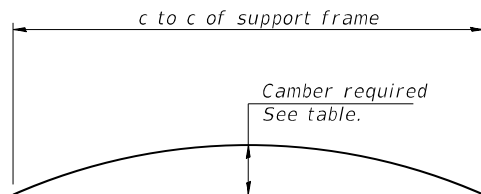
**TRI-CHORD SIGN STRUCTURES - STEEL TRUSS DETAILS
FOR TRUSS TYPES TRI-I-S, TRI-II-S AND TRI-III-S**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-10VH SIN STR REPL 20-27	VARIOUS	119	17
CONTRACT NO. 46539			
ILLINOIS FED. AID PROJECT			

TRICHORD UNIT TABLE

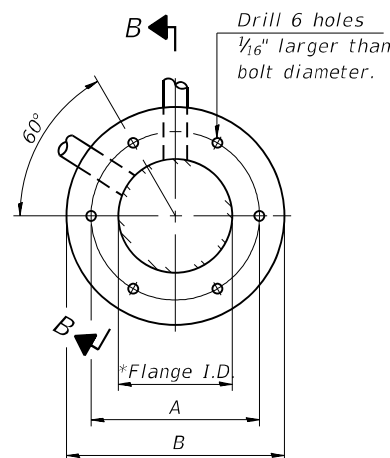
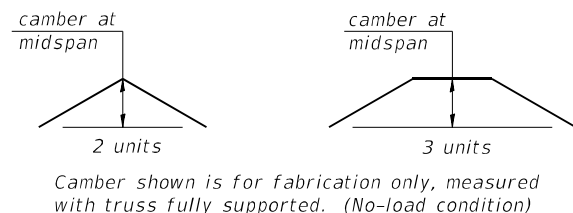
Structure Number	Location	Design Truss Type	Exterior Units (2)			Interior Unit			
			No. Panels per Unit	Unit Lgth.(L)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L)	Panel Lgth.(P)
IS0161094L054.2-000	25	TRI-I-S	6	3'-4"	4'-9 3/4"	-	-	-	-



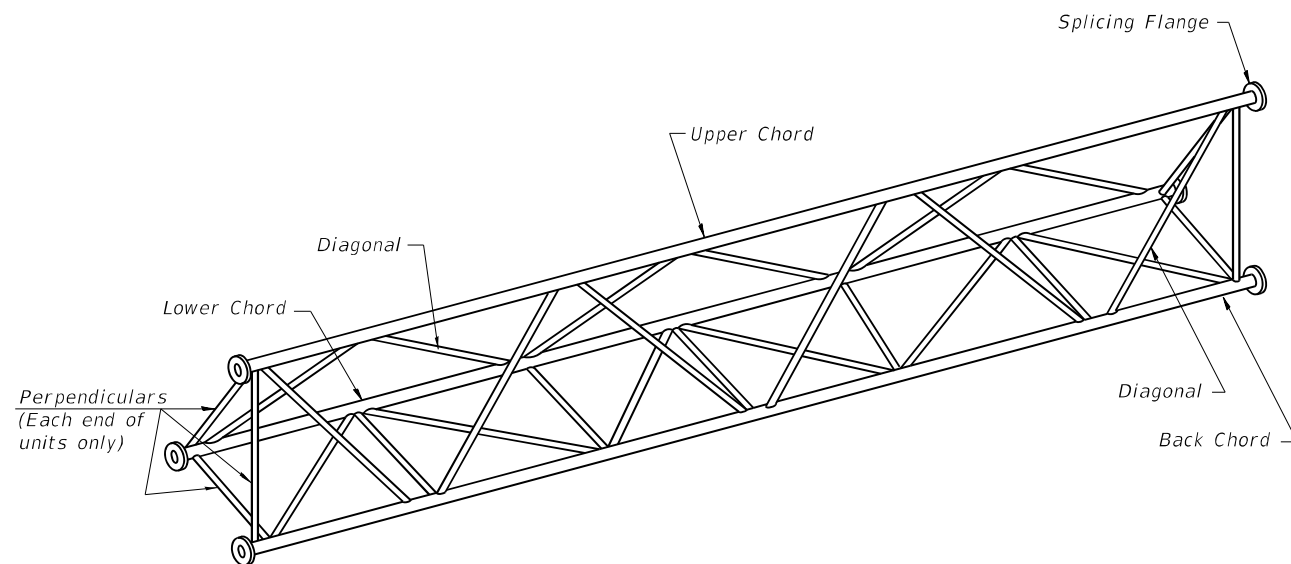
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

CAMBER ATTAINMENT EXAMPLES:

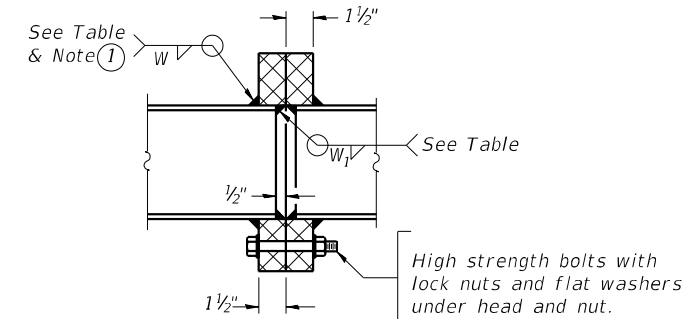


TRUSS TYPES I-S, II-S, & III-S



ISOMETRIC VIEW
TYPICAL INTERIOR TRUSS UNIT

Note:
Units 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 units.



SECTION B-B

1 Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

TRICHORD DESIGN TABLE

Truss Type	Maximum Span Length (ft.)	Chords		Diagonals and Perpendiculars		*Camber at Midspan (in.)	Splicing Flange					
		O.D. (in.)	Wall (in.)	O.D. (in.)	Wall (in.)		H.S. Bolts		Weld Sizes			
							No./Splice (each)	Diameter (in.)	W (in.)	W1 (in.)	A (in.)	B (in.)
TRI-I-S	80	4.500	0.237	2.875	0.203	2.25	6	7/8	1/4	3/16	8 1/4	11 1/4
TRI-II-S	100	5.563	0.258	2.875	0.203	3.25	6	7/8	3/8	1/4	9 1/4	12 1/4
TRI-III-S	120	6.625	0.280	2.875	0.203	5.00	6	1	3/8	1/4	11 1/2	15
TRI-IV-S	140	8.625	0.322	3.500	0.216	6.25	6	1 1/4	3/16	7/16	13	16 1/2

* Note to fabricator: For spans between maximum span lengths given in table, use linear interpolation to determine camber.
Minimum AASTO Camber = L / 1000

TRI-S-3 2-17-2017

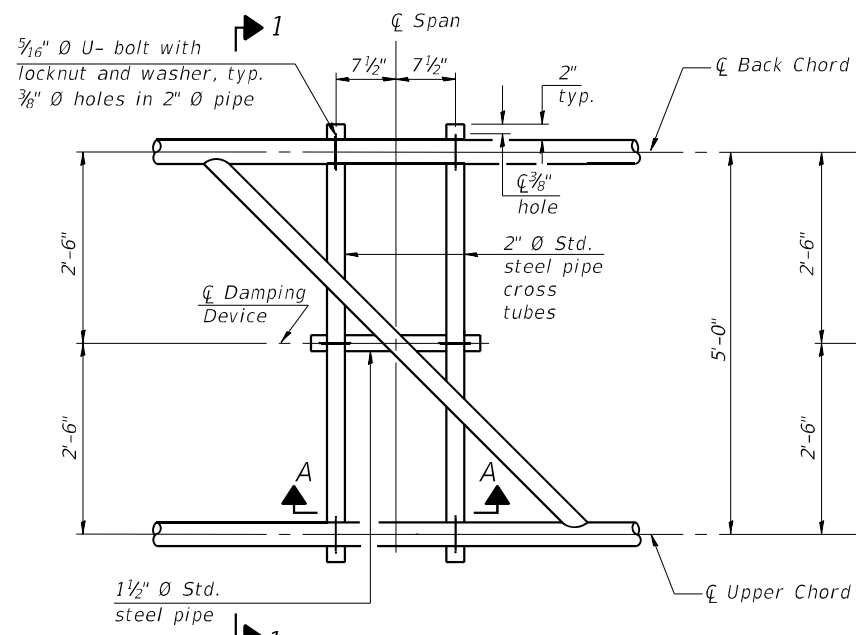
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

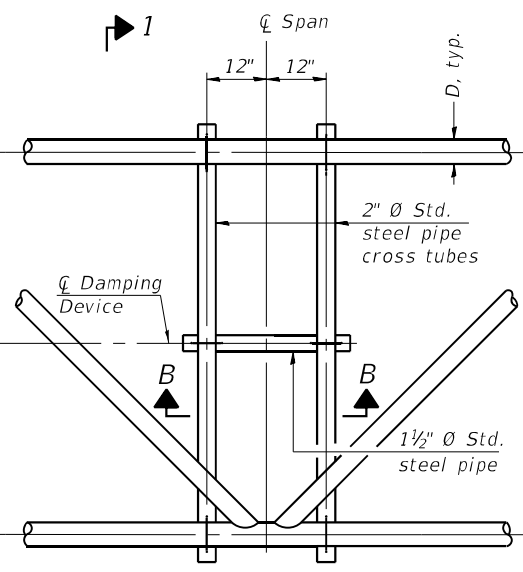
TRI-CHORD SIGN STRUCTURES - STEEL TRUSS DETAILS
FOR TRUSS TYPES TRI-I-S, TRI-II-S AND TRI-III-S

SCALE: SHEET OF SHEETS STA. TO STA.

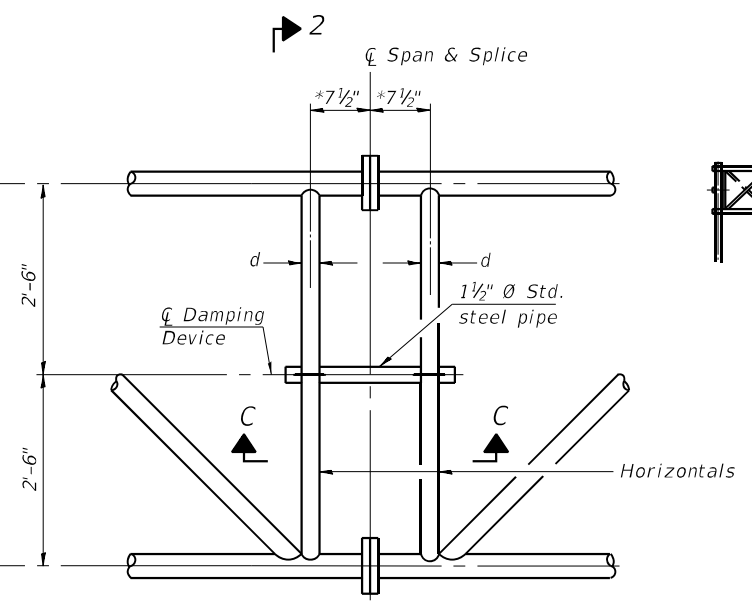
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	D-10VH SIN STR REPL 20-27	VARIOUS	119	18
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



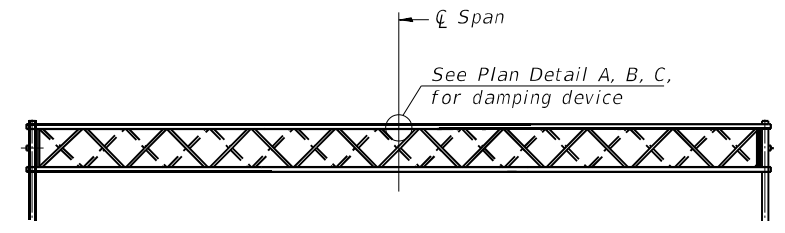
PLAN DETAIL "A"
 CL SPAN BETWEEN PANEL POINTS



PLAN DETAIL "B"
 CL SPAN AT PANEL POINT

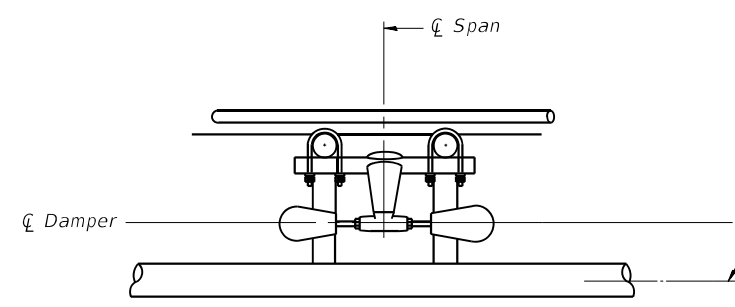


PLAN DETAIL "C"
 CL SPAN AT CHORD SPLICE

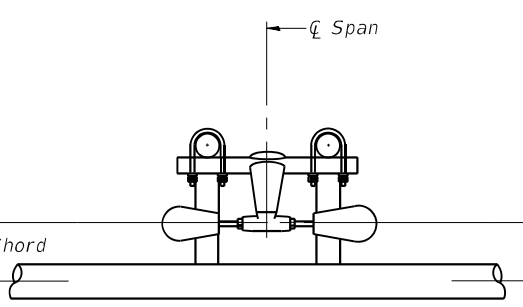


ELEVATION
 TRI-CHORD SIGN STRUCTURE

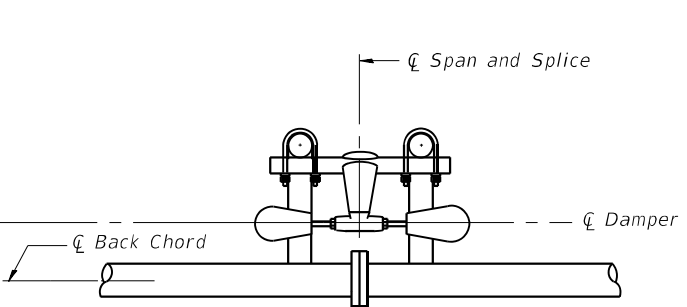
NOTES
 Damper: One damper per truss. (31 Lbs. Stockbridge-Type - 29" minimum between ends of weights) Cost included in TRI-CHORD Sign Structure...



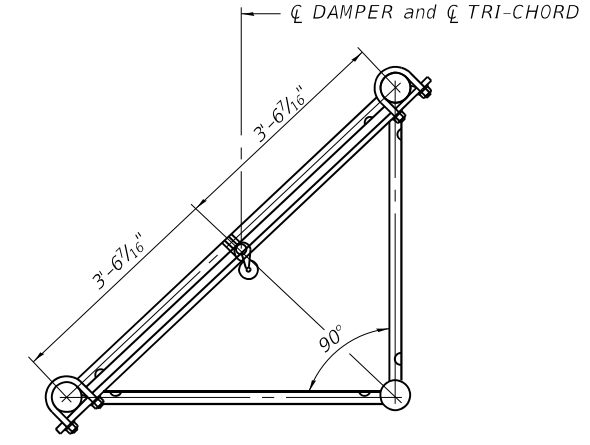
SECTION A-A



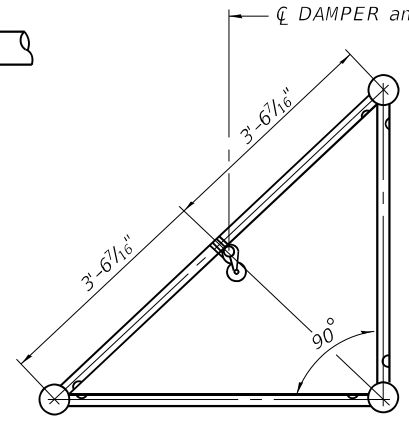
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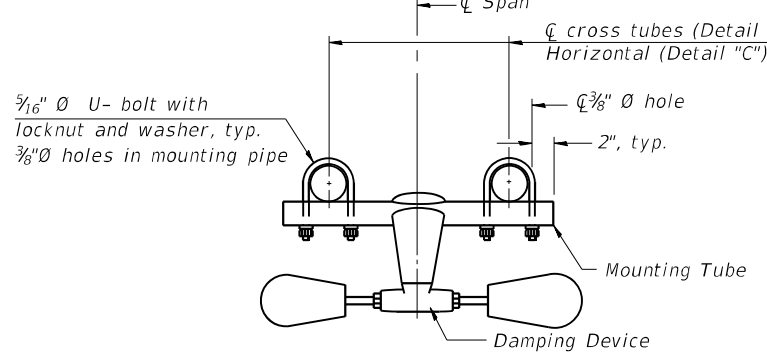
SECTION C-C



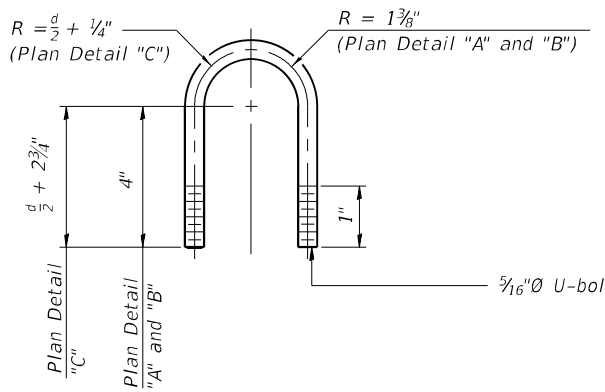
SECTION 1-1



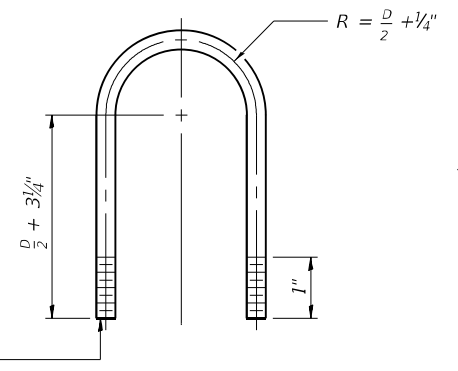
SECTION 2-2



TRUSS DAMPING DEVICE CONNECTION DETAIL
 (Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
 (Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
 (Typical - Detail "A" and "B")

TRI-S-4

2-17-2017

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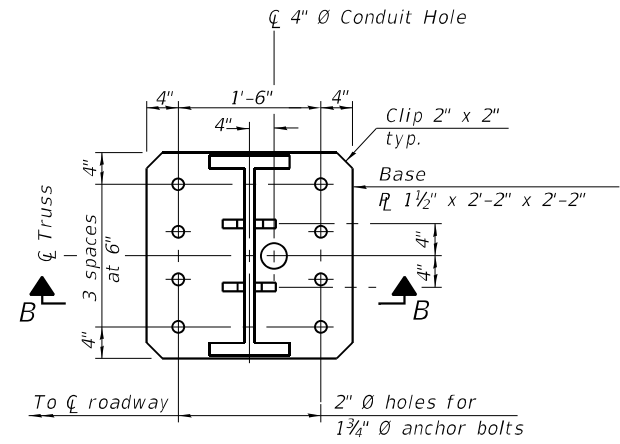
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRI-CHORD SIGN STRUCTURE
DAMPING DEVICE

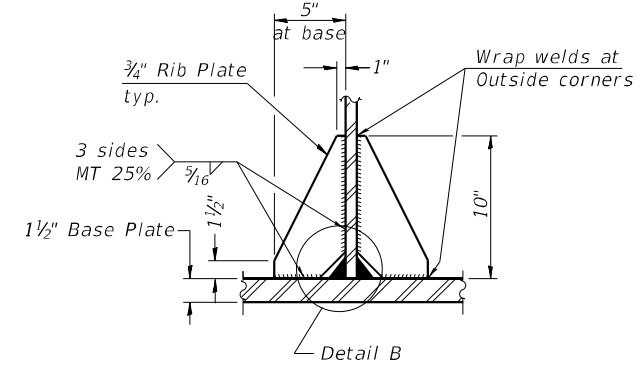
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 45396				
ILLINOIS FED. AID PROJECT				

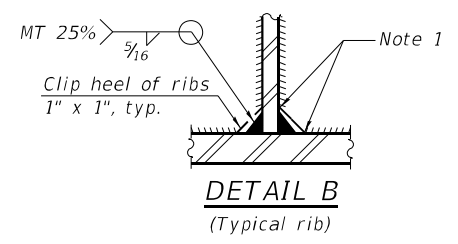
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 DATE: ...



SECTION A-A

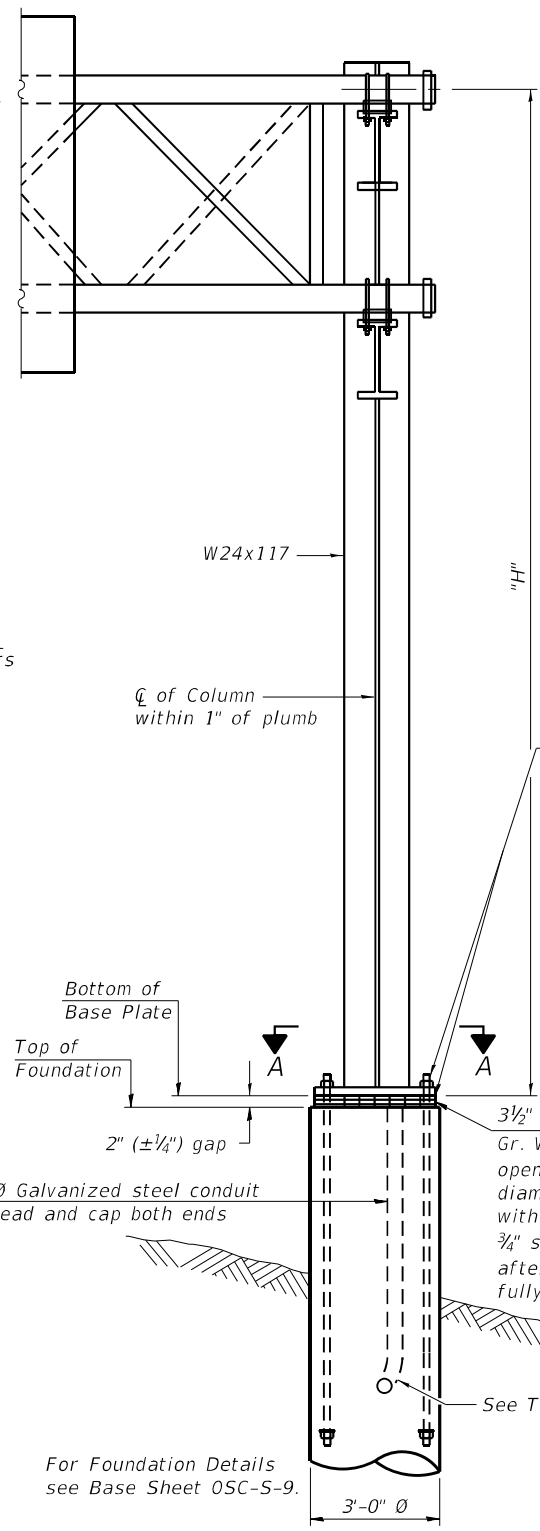


SECTION B-B



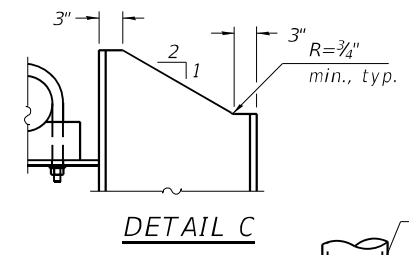
DETAIL B
(Typical rib)

Note 1: Extend welds to clip to facilitate galvanizing.

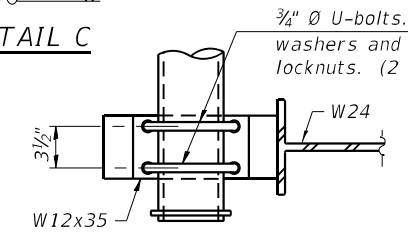


FRONT ELEVATION

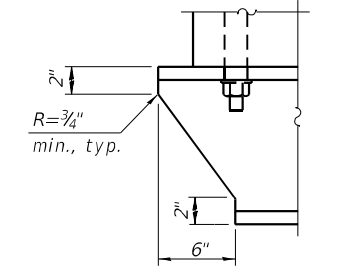
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



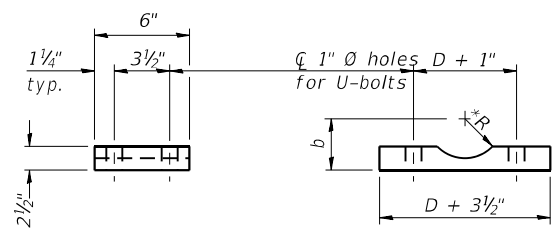
DETAIL C



SECTION C-C

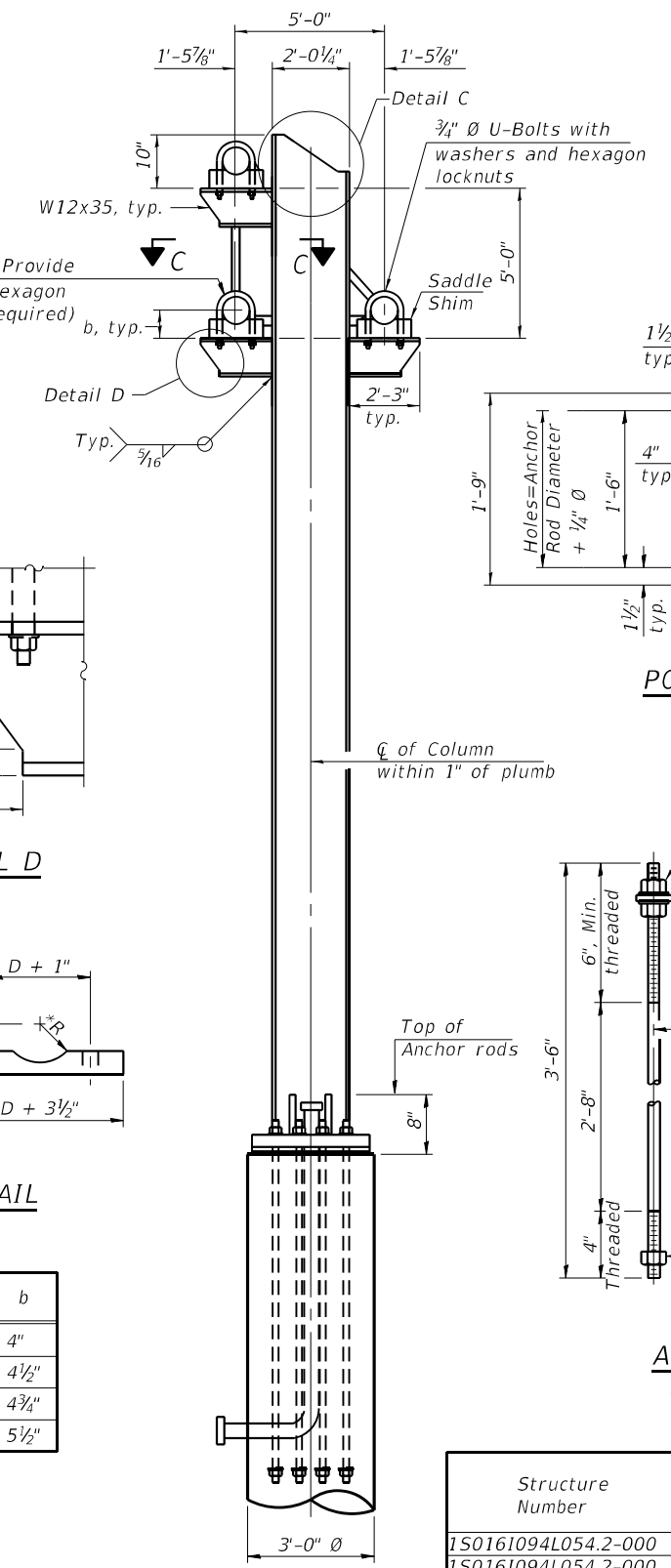


DETAIL D

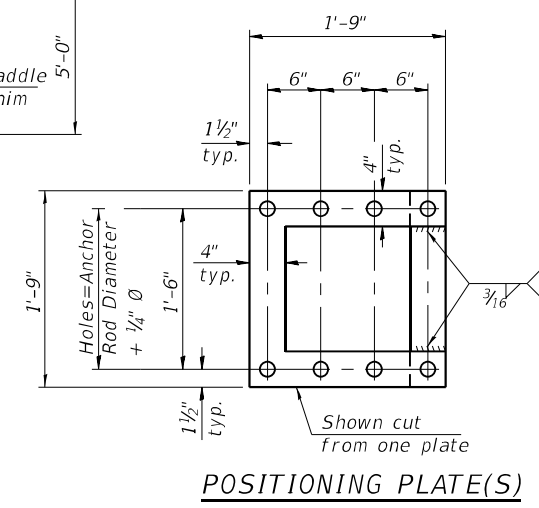


SADDLE SHIM DETAIL

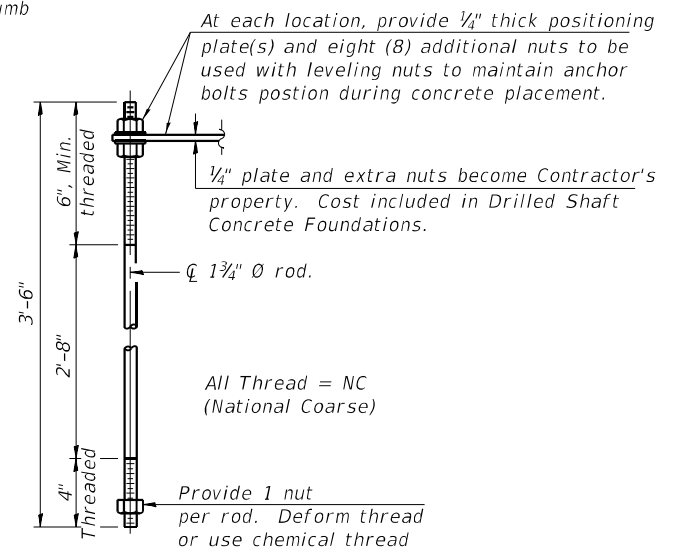
Chord Outside Diameter	R	b
4.500	2 7/16"	4"
5.563	2 7/8"	4 1/2"
6.625	3 3/8"	4 3/4"
8.625	4 3/8"	5 1/2"



END ELEVATION



POSITIONING PLATE(S)



ANCHOR ROD DETAIL
Drilled Shaft Foundation

Structure Number	Location	Column		H (ft.)	Anchor Rod Diameter (in.)
		Left	Right		
1S0161094L054.2-000	25	X		27'3"	*
1S0161094L054.2-000	25		x	27'3"	*

TRI-S-5

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

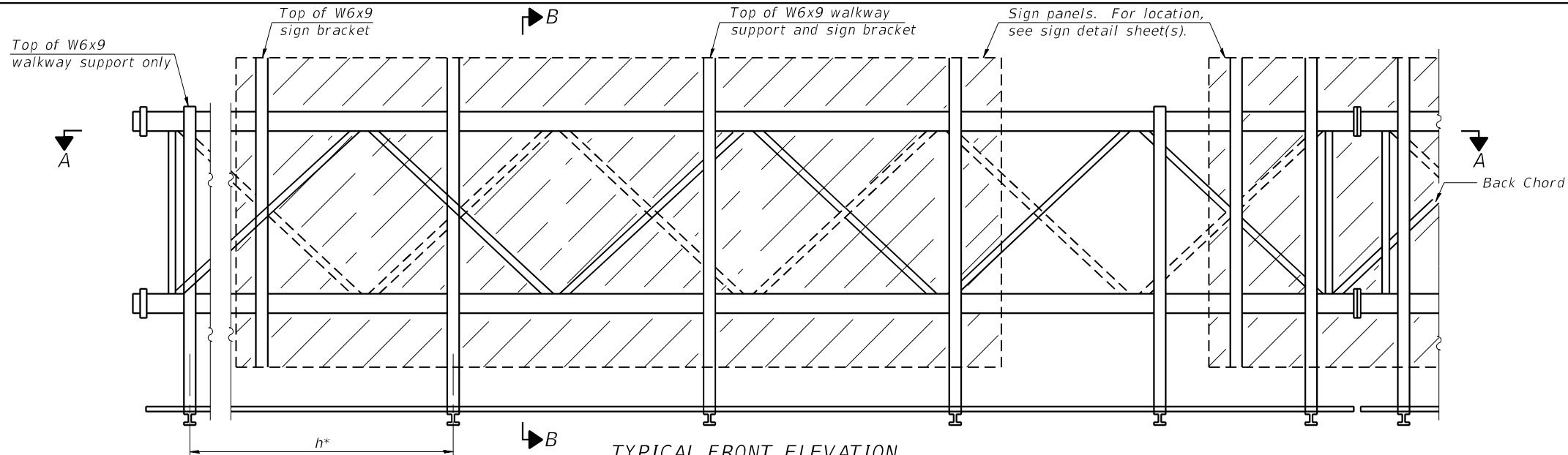
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRI-CHORD SIGN STRUCTURES - TRUSS SUPPORT
COLUMN - STEEL TRUSS & STEEL POST

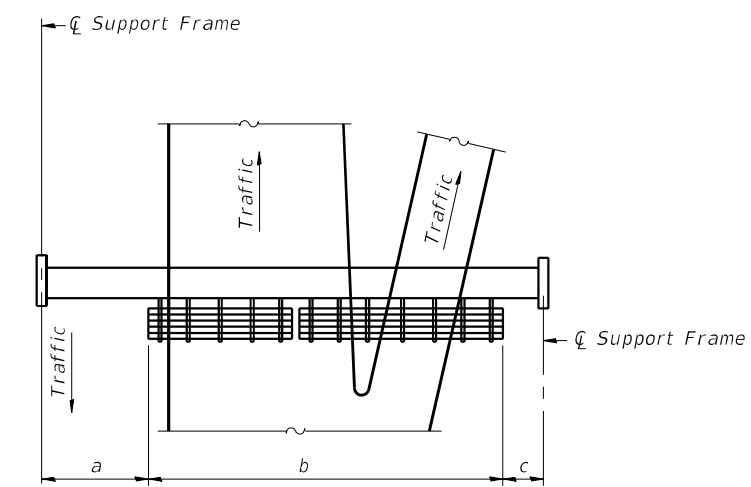
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	20
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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 PROJECT: ...
 DRAWING: ...
 DATE: ...

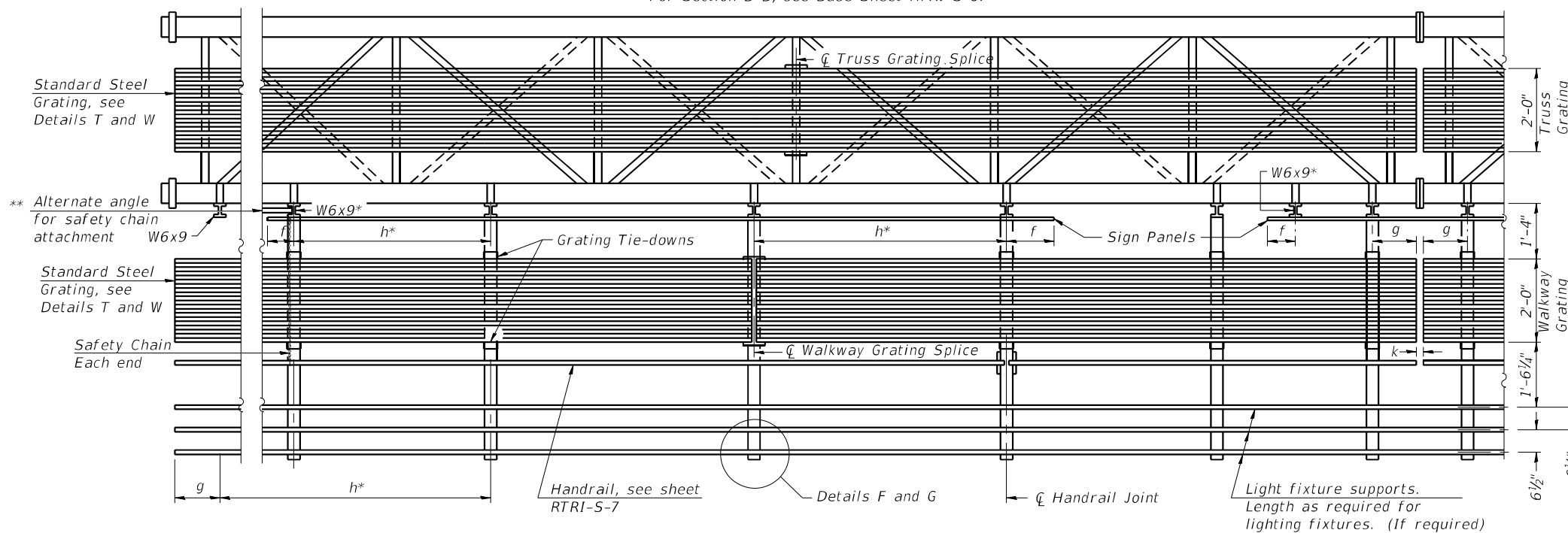


TYPICAL FRONT ELEVATION
 With lights and handrail omitted for clarity.
 For Section B-B, see Base Sheet RTRI-S-6.



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

Walkway Grating width dimensions is nominal and may vary $\pm 1/2"$ based on available standard widths.



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Handrail joint, grating and light support splices placed as needed.

Truss grating to facilitate shall run full length (center to center of support frames) $\pm 12"$ on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Structure Number	Location	a	b	c	Walkway Grating and Handrail Lengths
150161094L054.2-000	25	-	-	-	0'0"

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	8'-0"	2
14'-0"	14'-0"	3
20'-0"	20'-0"	4
26'-0"	26'-0"	5
32'-0"	32'-0"	6

Notes:

- * Space W6x9 walkway brackets and sign brackets W6x9 for efficiency and within limits shown:
- f = 12" maximum, 4" minimum (End of sign to ϕ of nearest bracket)
- g = 12" maximum, 4" minimum (End of walkway grating to ϕ of nearest support bracket)
- h = 6'-0" maximum (ϕ to ϕ sign and/or walkway support brackets, W6x9)
- k = 2" maximum gap between adjacent walkway grating sections and handrail ends
- ** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet RTRI-S-7

For Details T and W, Section B-B and Grating Splice Details, see Base Sheet RTRI-S-6. For Handrail Details see Base Sheet RTRI-S-7.

TRI-S-6

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

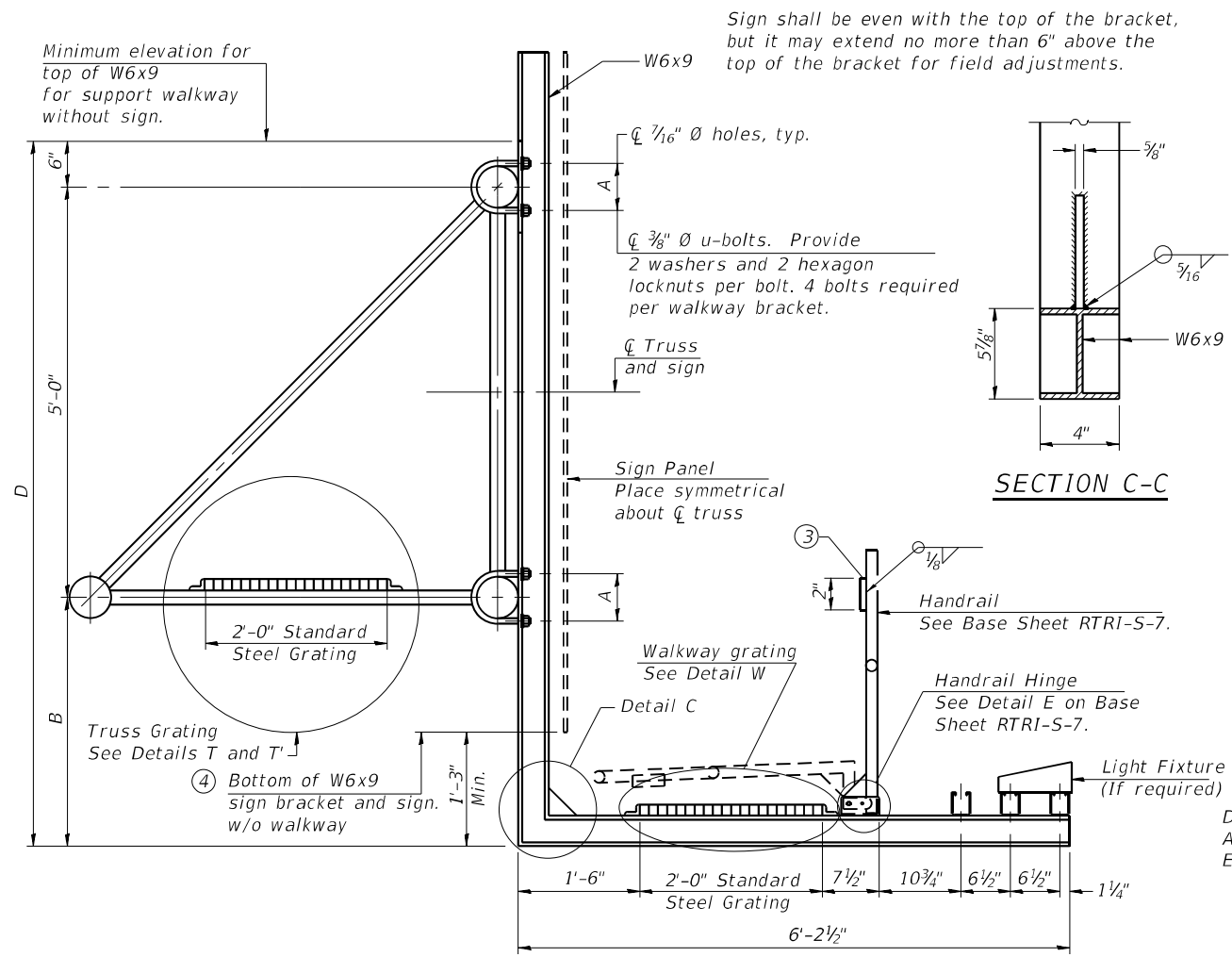
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRI-CHORD SIGN STRUCTURES
 STEEL WALKWAY DETAILS**

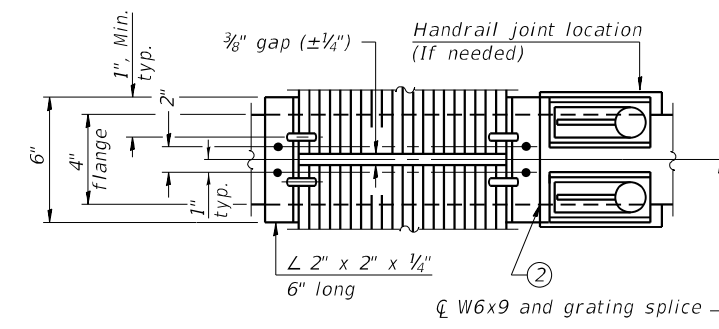
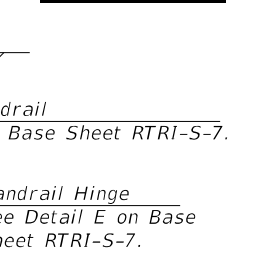
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

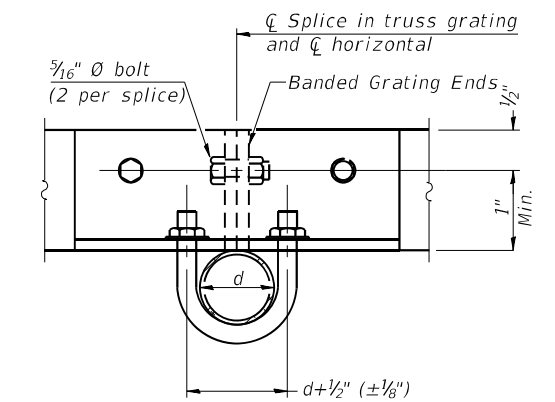
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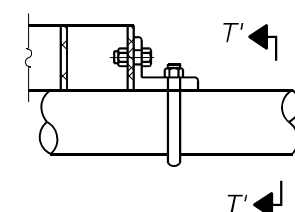
SECTION C-C



(AT WALKWAY GRATING SPLICE)

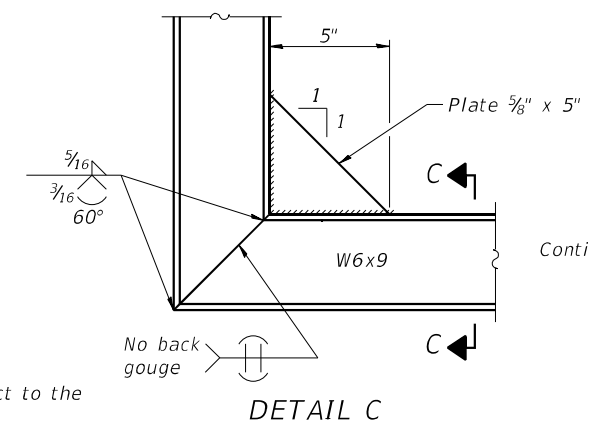


SECTION T'-T'

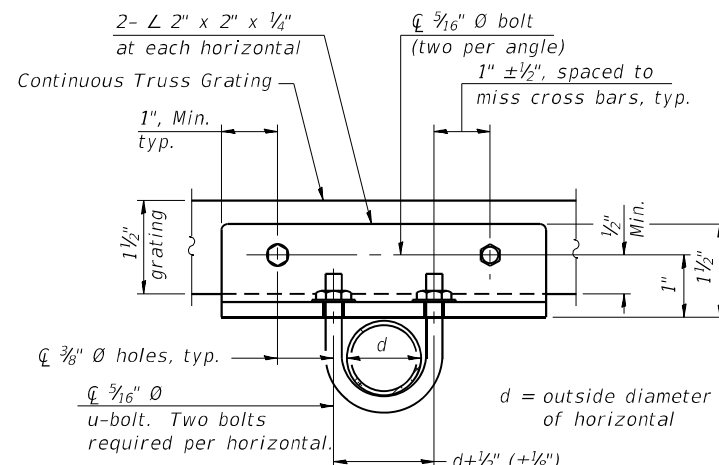


DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

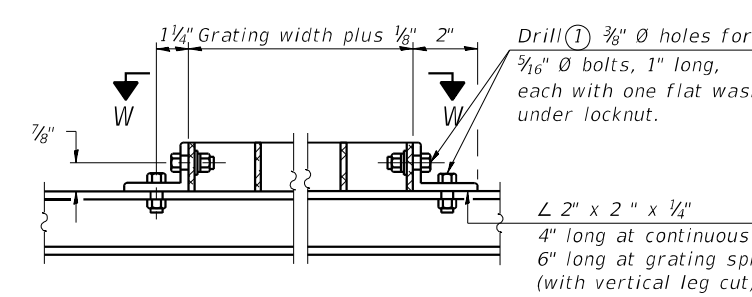


DETAIL C

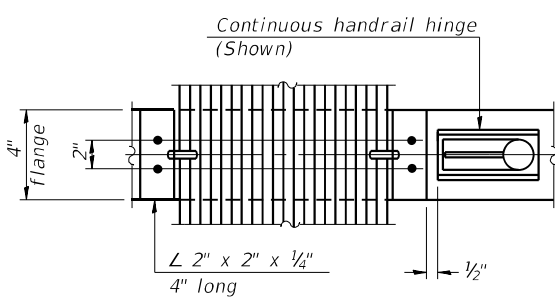


SECTION T-T

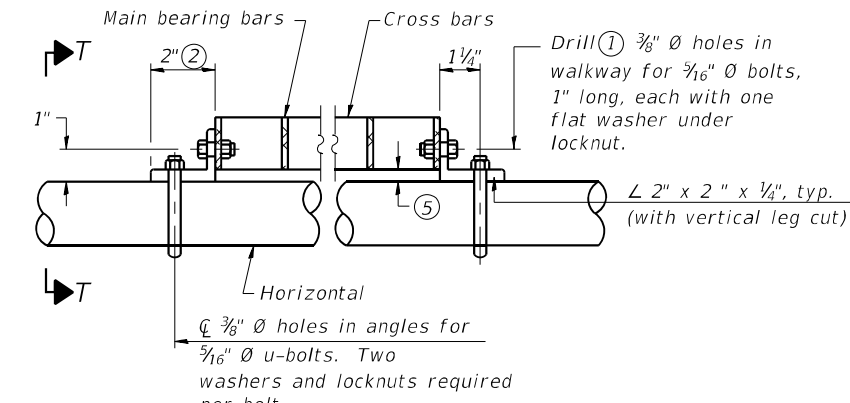
- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② If Handrail Joint present, weld angle to W6x9 and 1/4" extension bars. (See Base Sheet TRI-S-7.)
- ③ R 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ④ For projects that don't require walkway and lighting.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual height of tallest sign given on TRI-S-1.



DETAIL W
(Walkway grating)



(CONTINUOUS WALKWAY GRATING)



DETAIL T
(Continuous Truss grating)

BARS SIZES FOR STANDARD STEEL GRATING

WALKWAY GRATING Main bearing bars 3/16" x 1 1/2" on 1 3/16" centers.
Cross bars 3/16" x 1 1/2" on 4" centers. All intersects welded.

Structure Number	Location	⑥ A	B	⑥ D
150161094L054.2-000	25	5 1/2"	-	-

TRI-S-7

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRI-CHORD SIGN STRUCTURES - STEEL
SIGN BRACKET AND WALKWAY DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	22
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWN: ...
 CHECKED: ...
 DATE: ...

GENERAL NOTES

SPECIFICATIONS:

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.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

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

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. 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 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

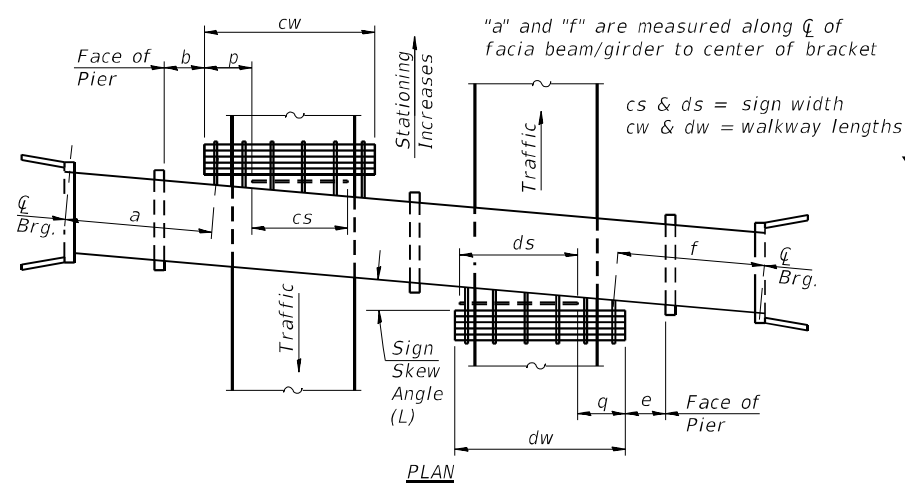
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, 3/4" Ø x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

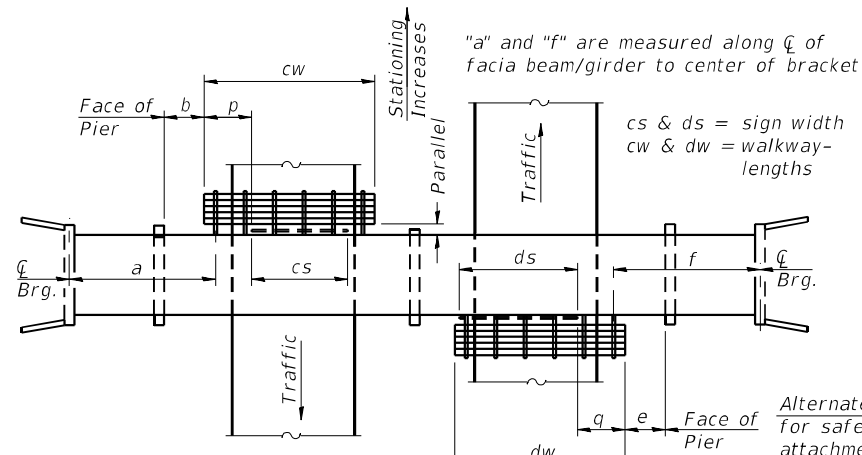
- ① Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- ② Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- ③ Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- ④ If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

TOTAL BILL OF MATERIAL

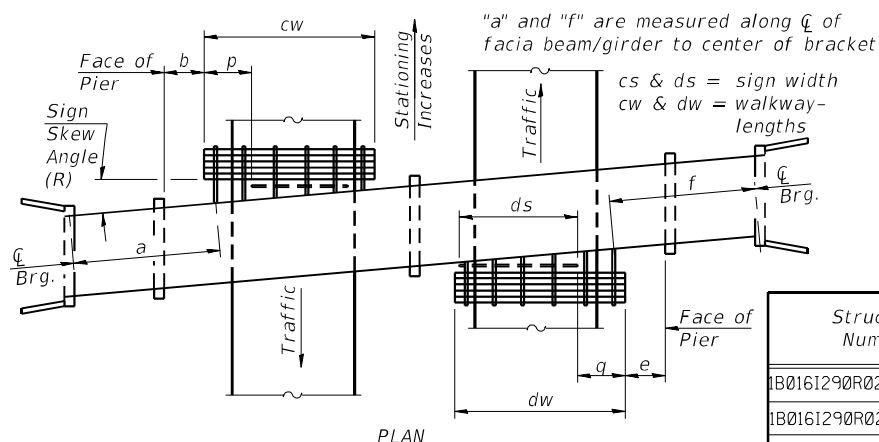
③ OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	29.0
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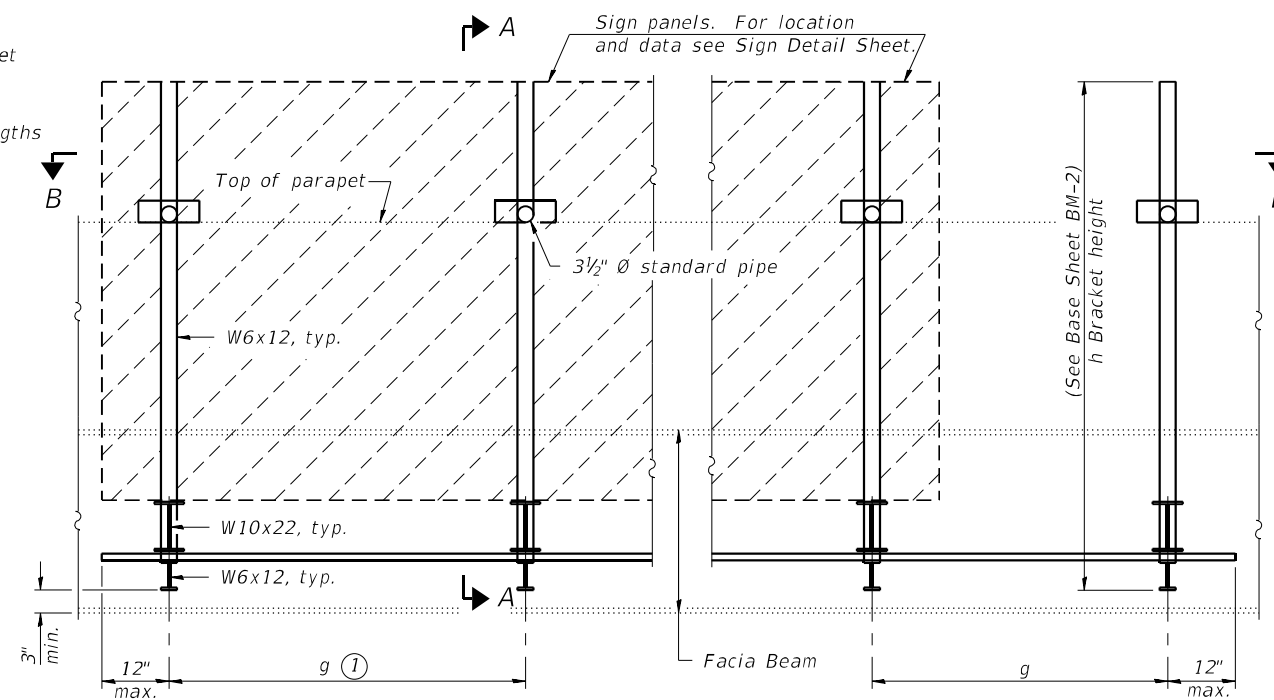
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



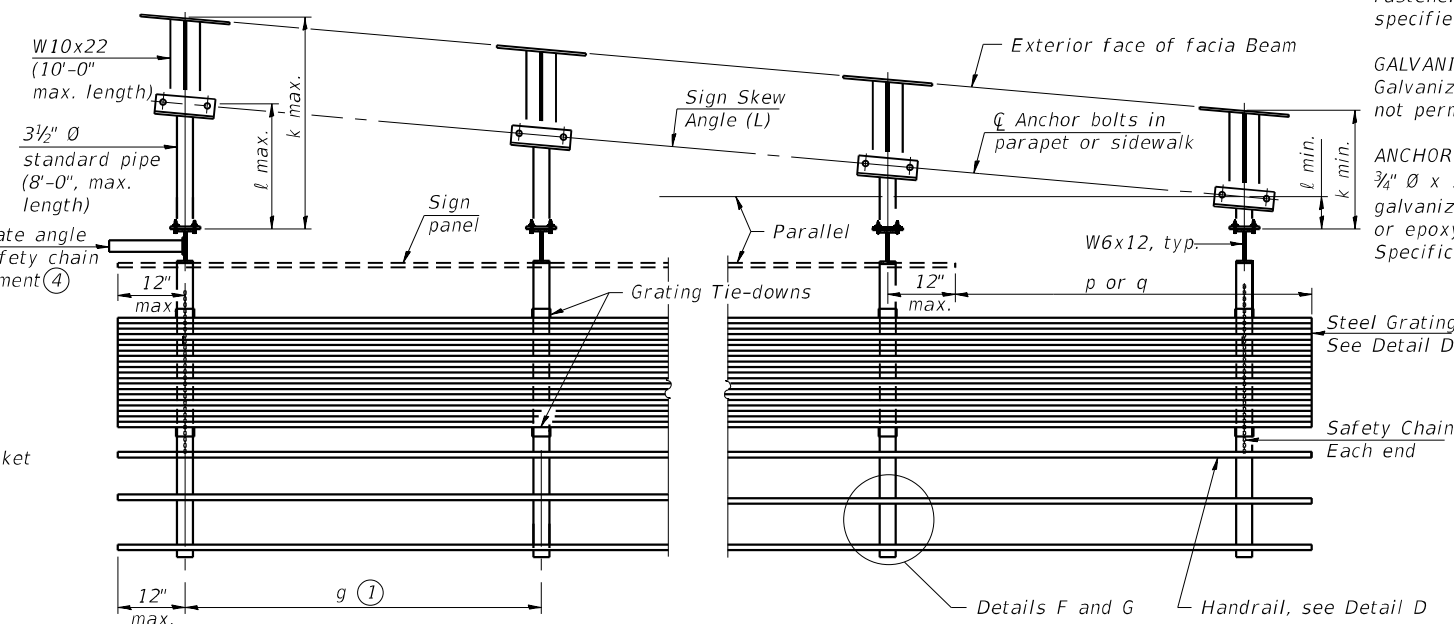
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION
(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
(Shown: Left Sign Skew > 15 degrees)

Structure Number	Sign Skew Angle (L) or (R)	Location	Bridge Structure Number	Contract Route Designation	a	b	cs	cw	ds	dw	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (cw + dw)
1B0161290R023.2-000	23A	1-290	14										6' 0"	3			
1B0161290R023.2-001	23B	1-290	15										4' 8"	4			

Dimensions a, b, e, f & g may vary as approved by the Engineer, see ①.
When cw < cs and/or dw < ds, use alternate brackets without walkway supports where applicable, see ③.

MODEL: D:\p\aut\... PROJECTS\66824230\000\01\Traffic\Contract No. 46539_Sign_Traffic_Design.dwg

BM-1 2-17-2017

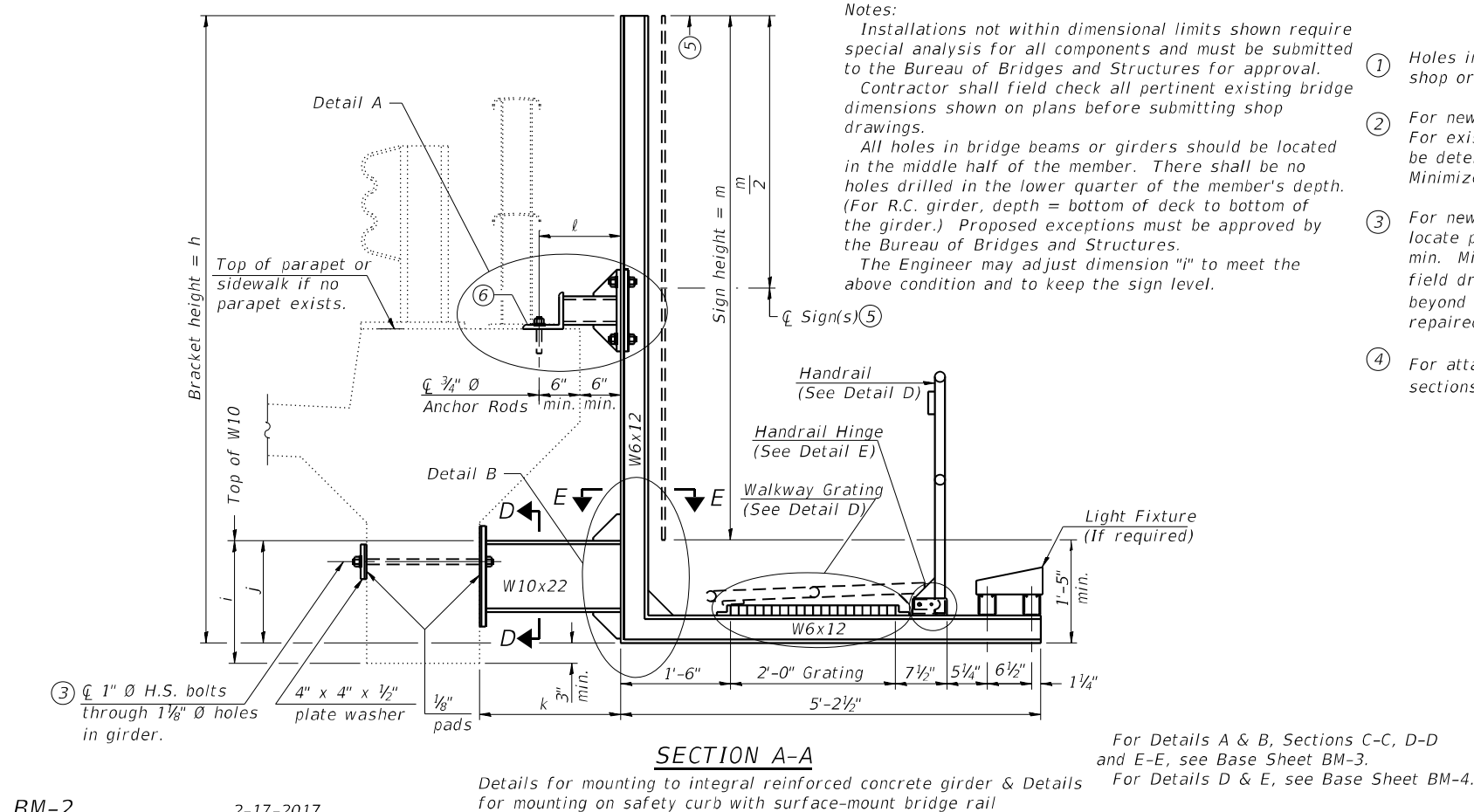
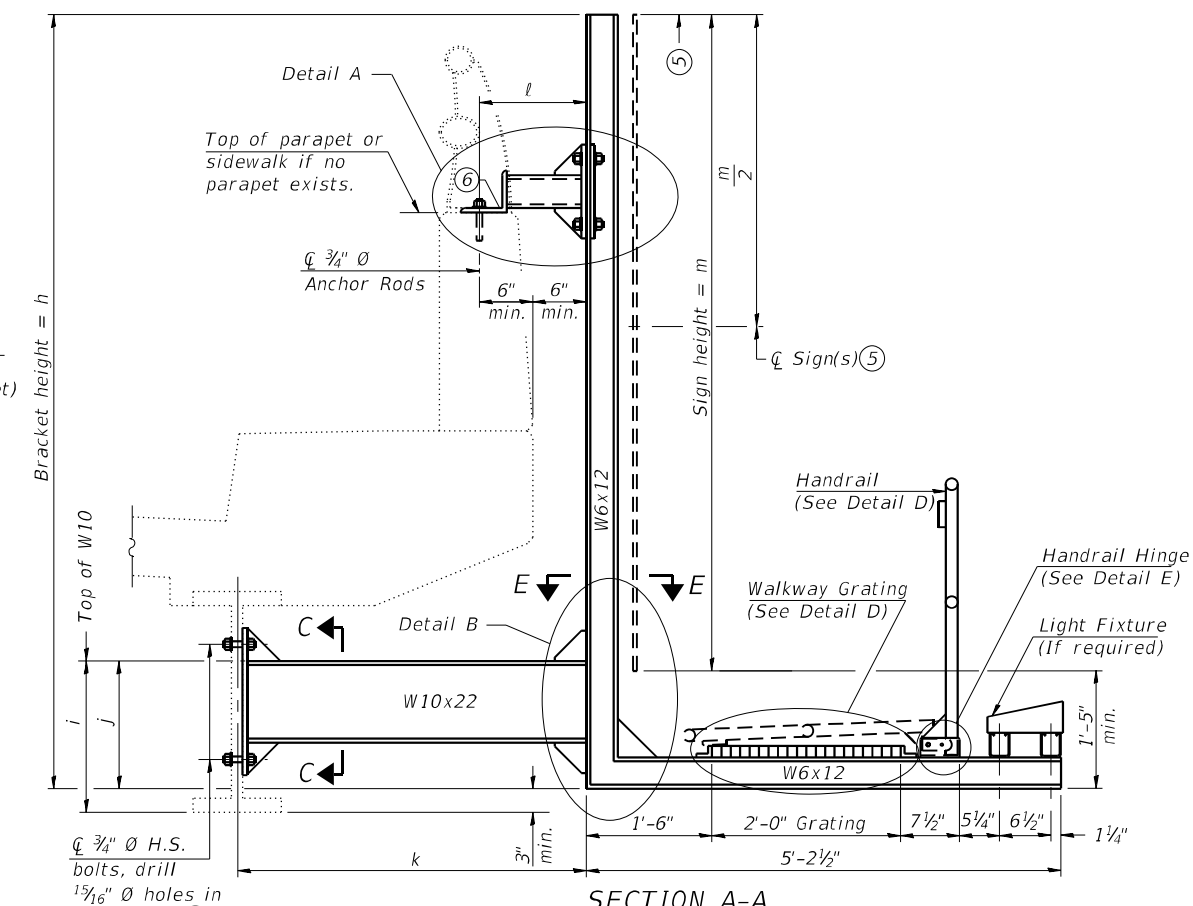
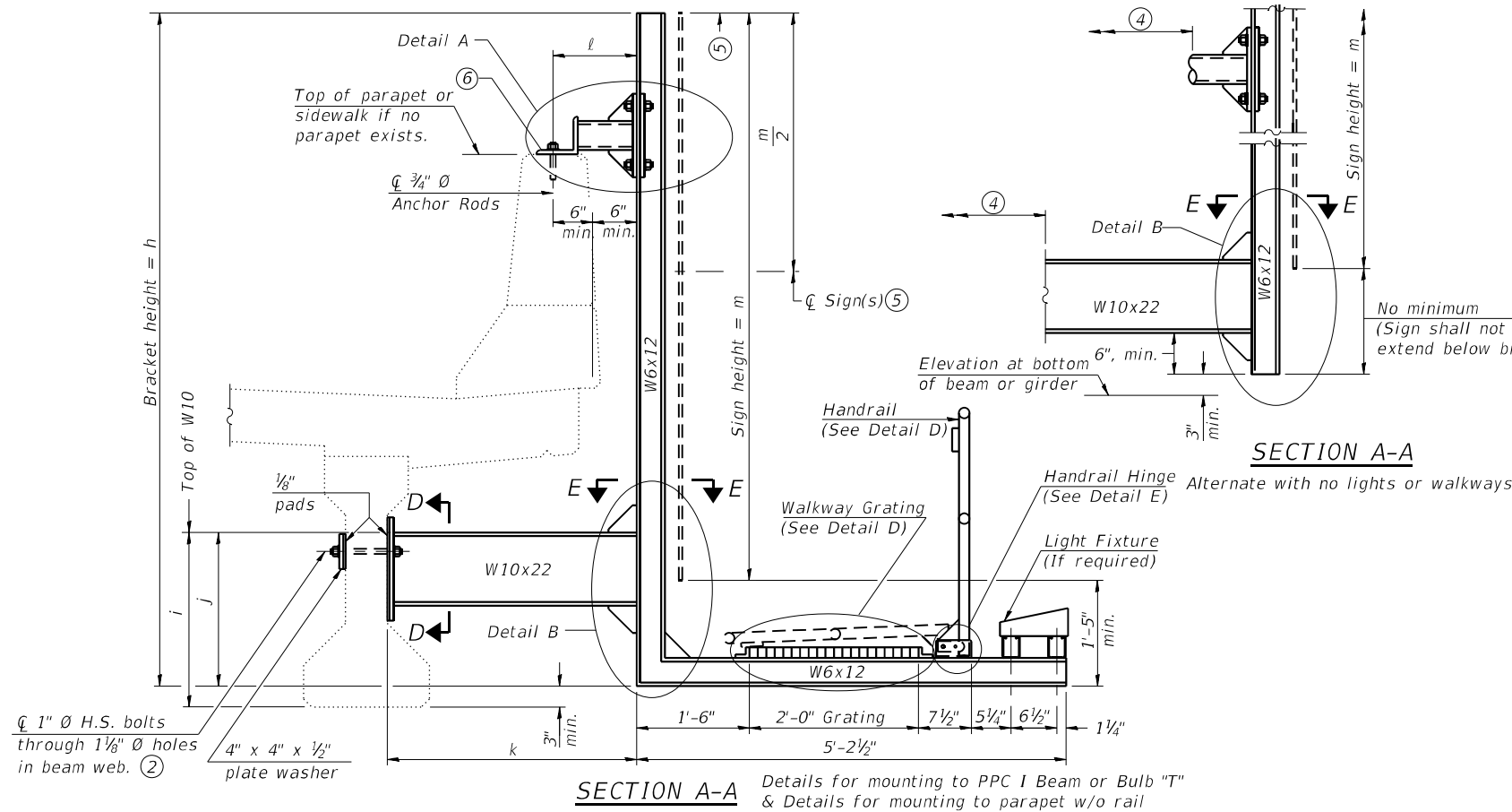
USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 1/8"=1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND ELEVATION

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	23
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



Notes:
 Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval. Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
 All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
 The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.
- ④ For attachment details of 3/4" pipe and W10x22, see other sections as applicable.
- ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

Structure Number	Location	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
B0161290R023.2-000	23A	13' 11"	1'-9 5/8"	1'-6 5/8"	3' 2"	2' 0"	12' 6"
B0161290R023.2-001	23B	18' 3"	1'-9 5/8"	1'-6 5/8"	3' 2"	2' 0"	8' 6"

MODEL: D:\p\aut\...
 FILE: W:\E\...
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 DATE: 9/29/2021

BM-2

2-17-2017

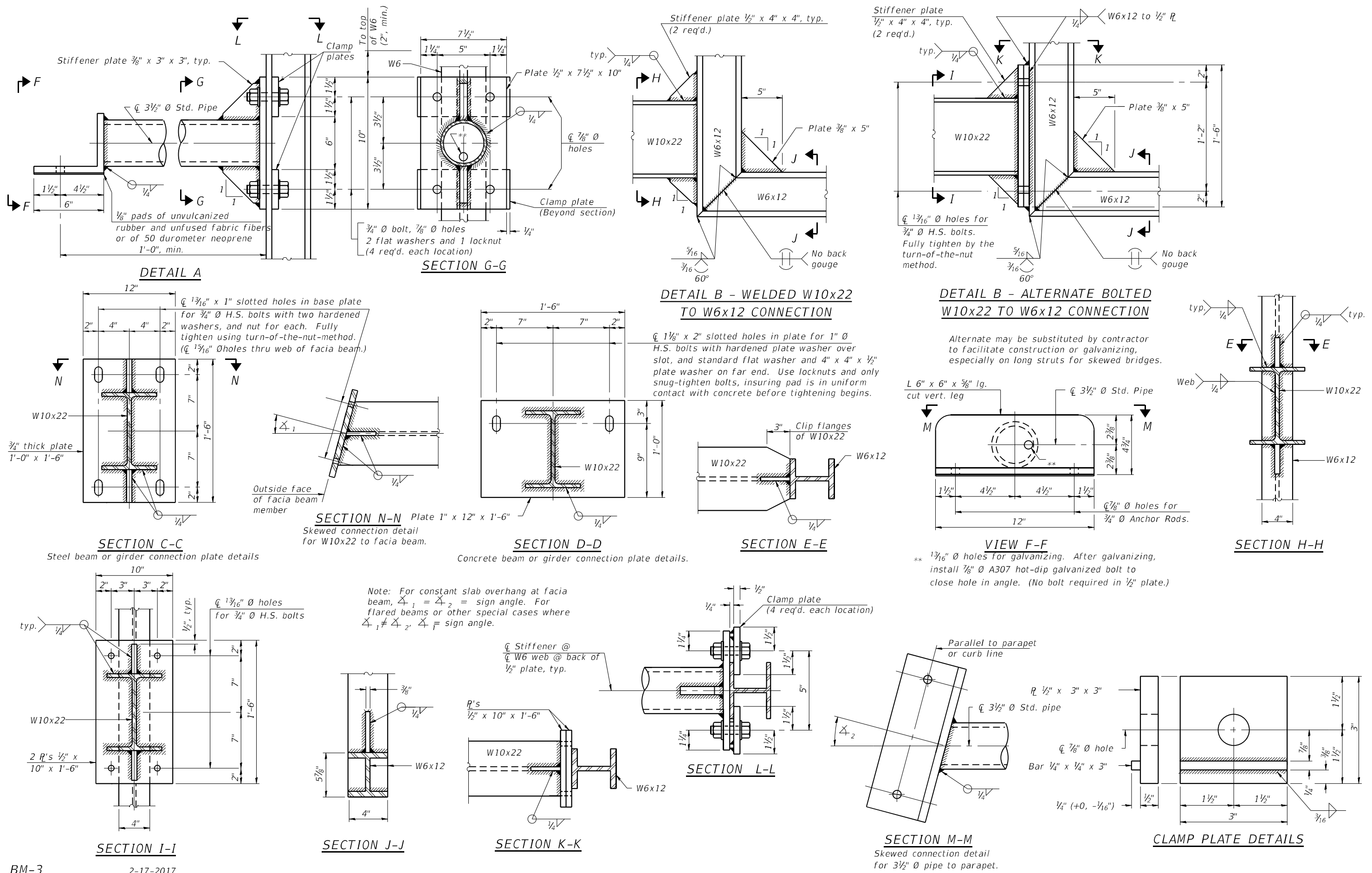
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PLOT SCALE = 1/8" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BRIDGE MOUNT SIGN STRUCTURES WALKWAY AND CONNECTION DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	24
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\aut\c...
 FILE NAME: ...
 PROJECT: ...



BM-3

2-17-2017

USER NAME = mezag	DESIGNED .	REVISED .
DRAWN .	REVISED .	
PLOT SCALE = 100.0061 sf / in.	CHECKED .	REVISED .
PLOT DATE = 9/29/2021	DATE .	REVISED .

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
 CONNECTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46539	

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.
 $f_y = 60,000$ 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.

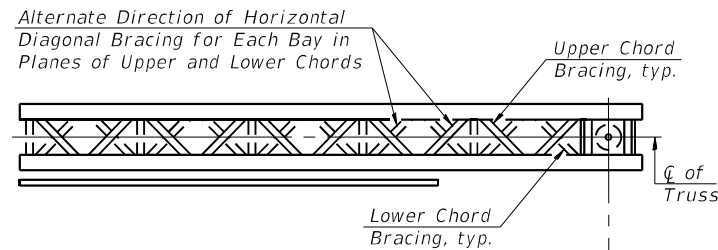
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

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

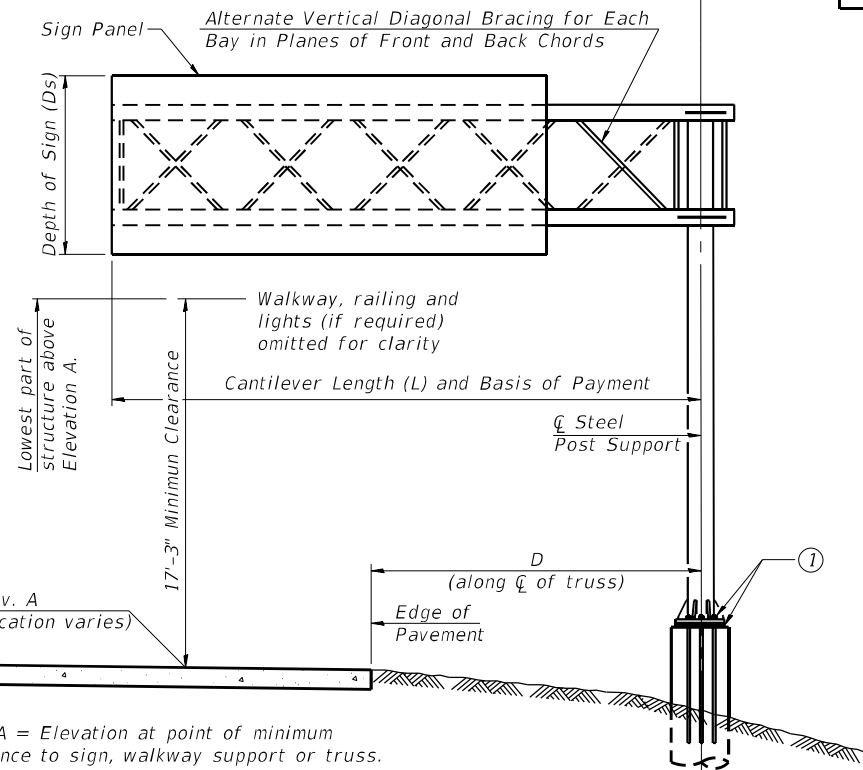
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

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.



TYPICAL PLAN
(Walkway not shown)



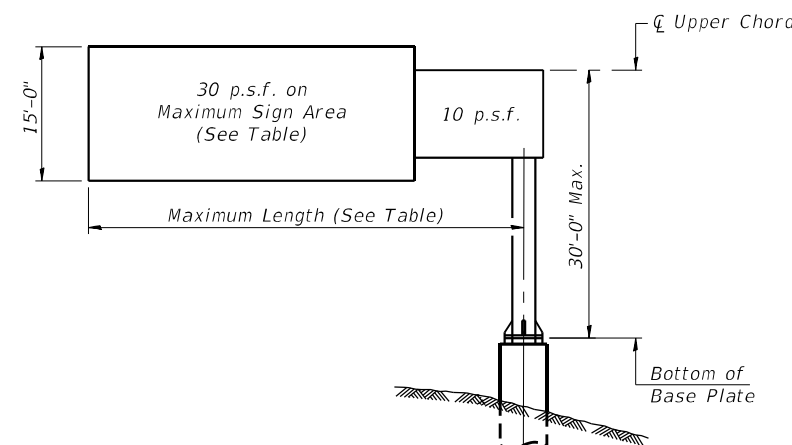
Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

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.

Structure Number	Location	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
IC0161094L041.8-000	14	III-C-A	30'	625.76	14.0	12.5	175
IC0161094L054.2-000	15	I-C-A	25' 0"	587.14	15.0	12.0	150
IC0161290R023.4-000	16	III-C-A	36'	610.03	16.0	8.5	162
IC0161094R041.8-000	17	III-C-A	33' 4"	625.76	22.0	10.5	183.75
IC0991080R142.9-000	18	III-C-A	37'	729.80	19.75	5.5	71.5
IC0225056R000.0-000	19	III-C-A	40'	678.66	17.20	10.5	204.75
IC0161290R018.8-000	20	III-C-A	40'	626.58	30.8	6.5	100.75
IC0221055R272.9-000	21	III-C-A	35'	689.43	23.0	8.5	131.75
IC0225083L000.0-002	22	III-C-A	40'	724.33	28.0	10.0	145.0

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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	25.0
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	-
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	291.33
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	96.1

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 PROJECT: I:\Projects\...
 DRAWING: ...

OSC-A-1

2-17-2017

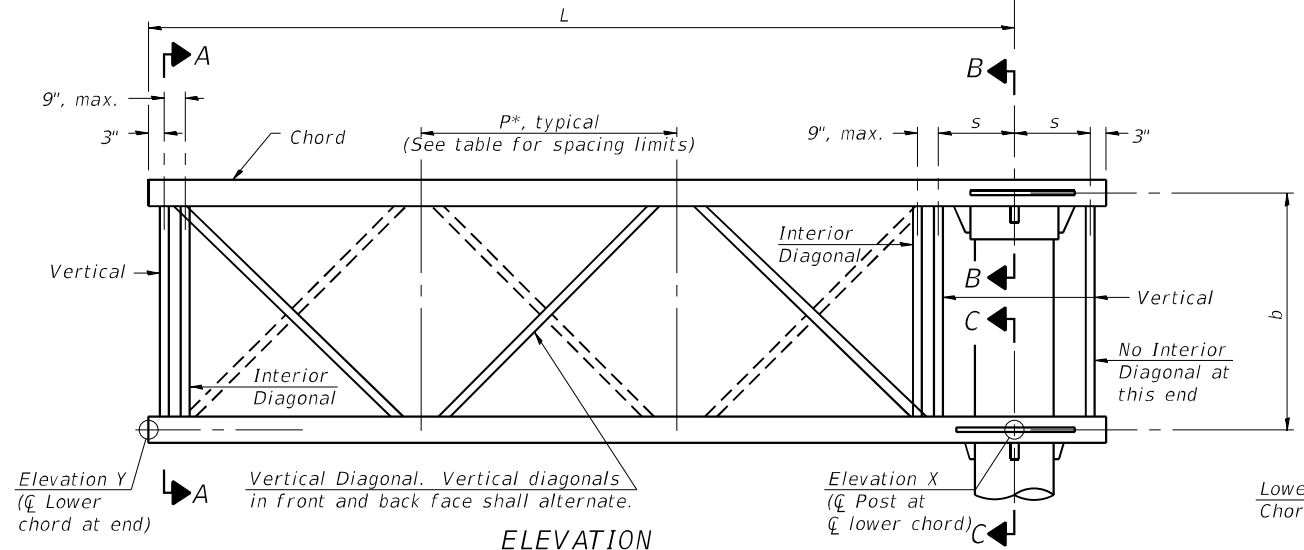
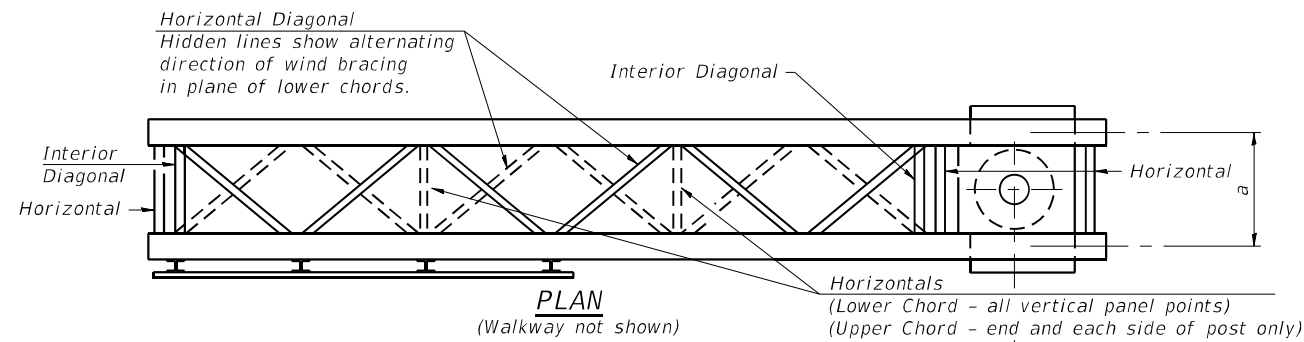
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PLOT SCALE = 1/8" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CANTILEVER SIGN STRUCTURES - GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10W SIN STR REPL 20-27	VARIOUS	119	26
CONTRACT NO. 46539				
ILLINOIS		FED. AID PROJECT		



TYPICAL TRUSS UNIT

Note: For Section B-B and Section C-C, see Base Sheet OSC-A-3.

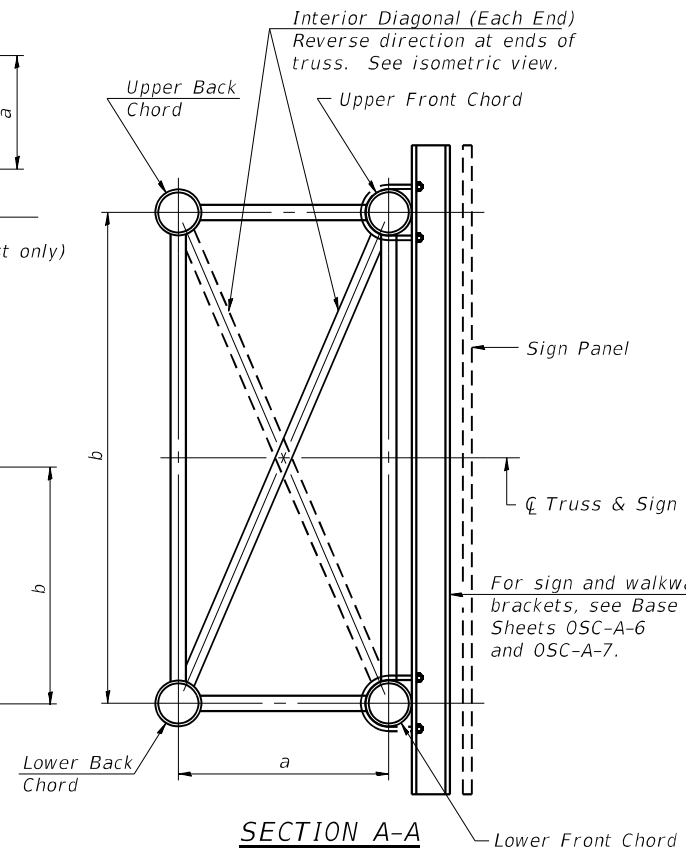
There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

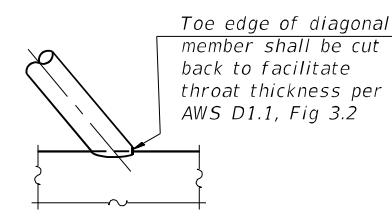
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

$$*P = \frac{L-s-3"}{\# \text{ Panels}}$$

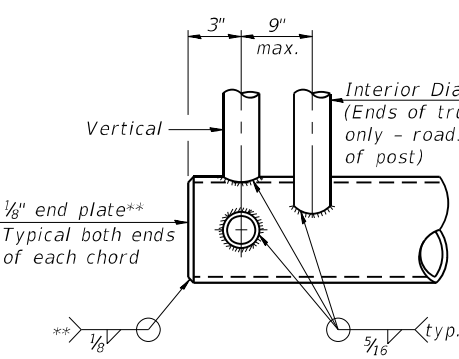
Structure Number	Location	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C0161094L041.8-000	14	III-C-A	30'	6	4' 8"
1C0161094L054.2-000	15	I-C-A	25' 0"	7	3' 4"
1C0161290R023.4-000	16	III-C-A	36' 0"	6	5' 4"
1C0161094R041.8-000	17	III-C-A	33' 4"	6	5' 2 1/2"
1C0991080R142.9-000	18	III-C-A	37'	7	5'
1C0225056R000.0-000	19	III-C-A	40'	7	5' 5/8"
1C0161290R018.8-000	20	III-C-A	40'	7	5' 5/8"
1C0221055R272.9-000	21	III-C-A	35'	7	4' 8 1/2"
1C0225083L000.0-002	22	III-C-A	40'	7	5' 5/8"



SECTION A-A

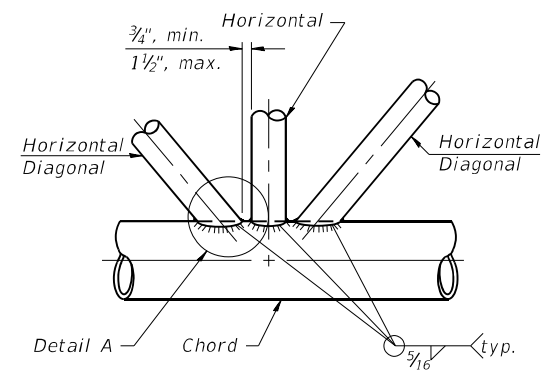


DETAIL A

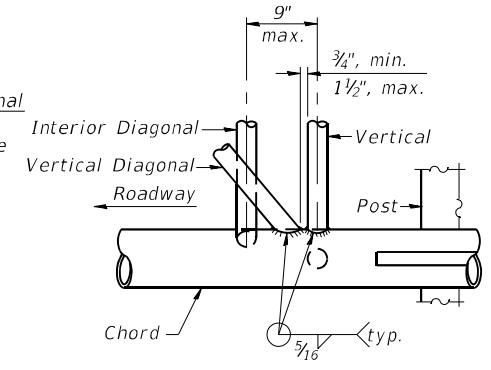


CANTILEVER END JOINT DETAIL

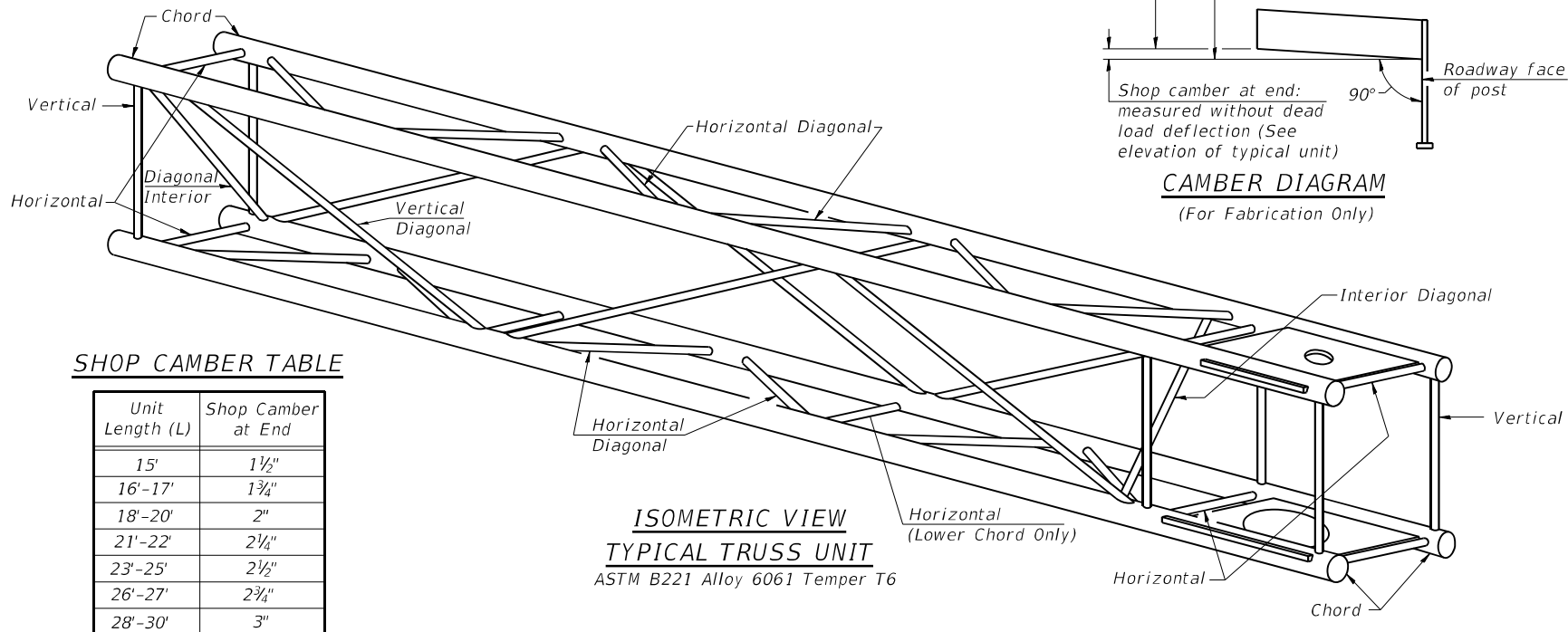
** Contractor may alternatively use standard aluminum drive-fit cap to close ends. 1/2" Ø Drain hole in end plate / drive-fit cap.



TRUSS INTERIOR JOINT DETAIL



POST END JOINT DETAIL

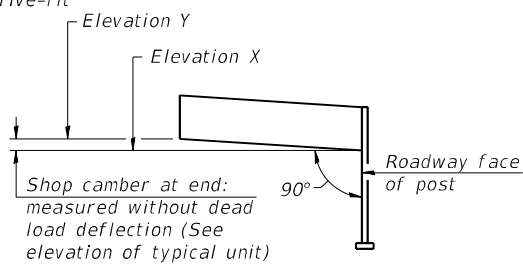


ISOMETRIC VIEW TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"



CAMBER DIAGRAM (For Fabrication Only)

OSC-A-2

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

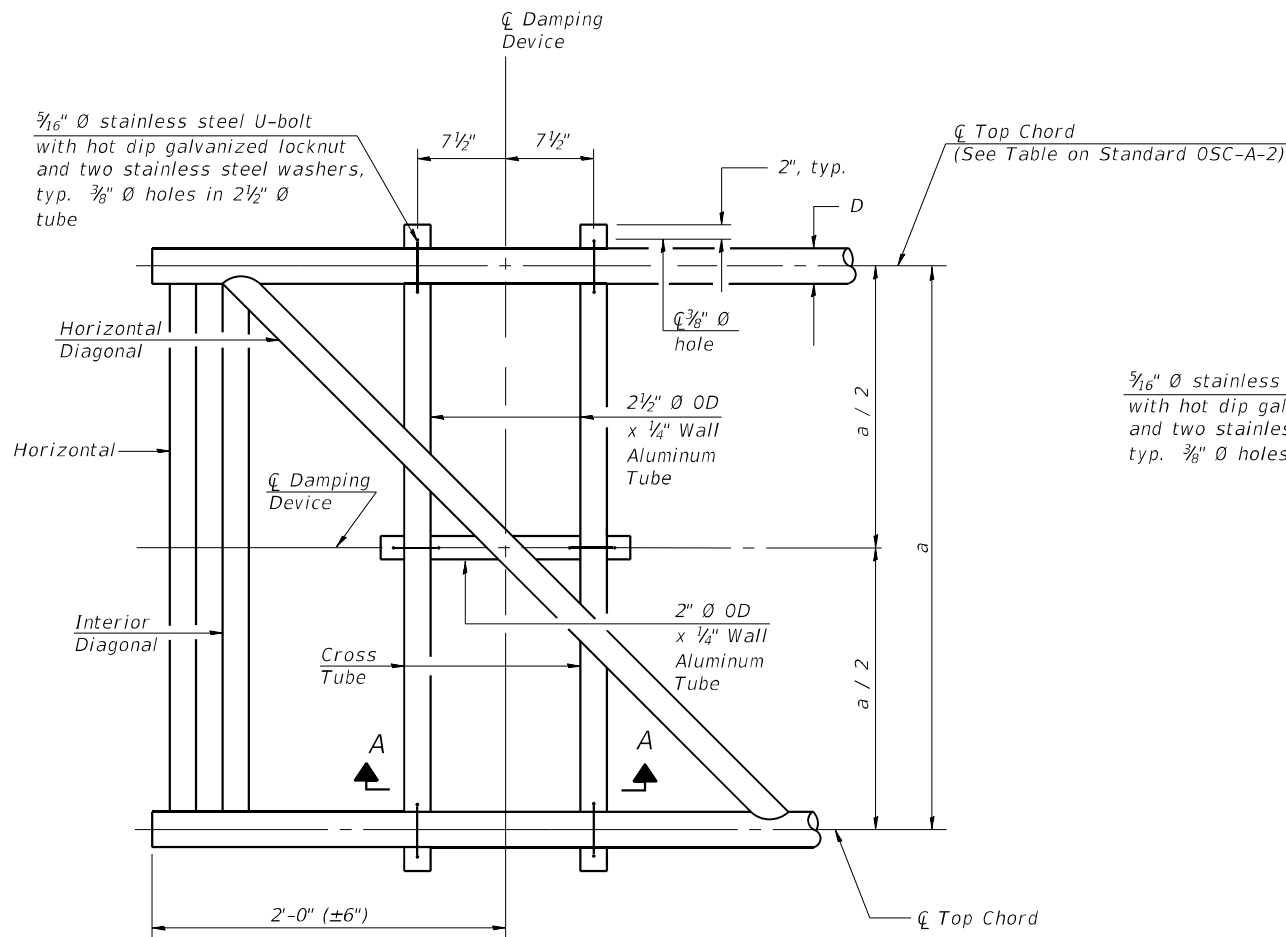
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS ALUMINUM TRUSS & STEEL POST

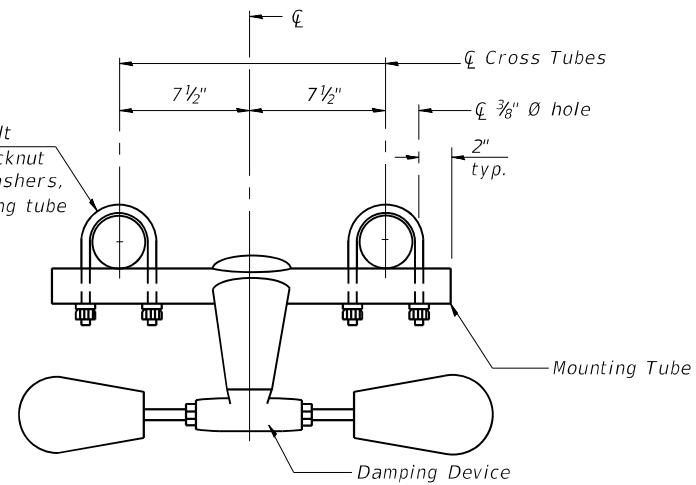
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	27
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

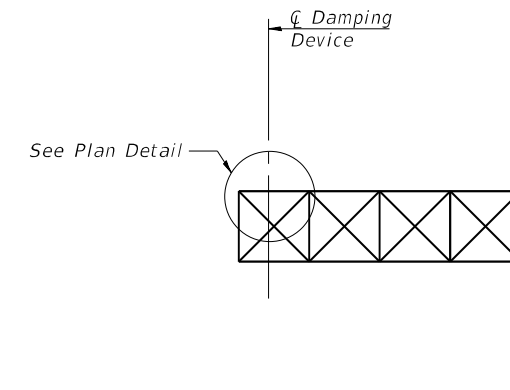
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PLAN DETAIL



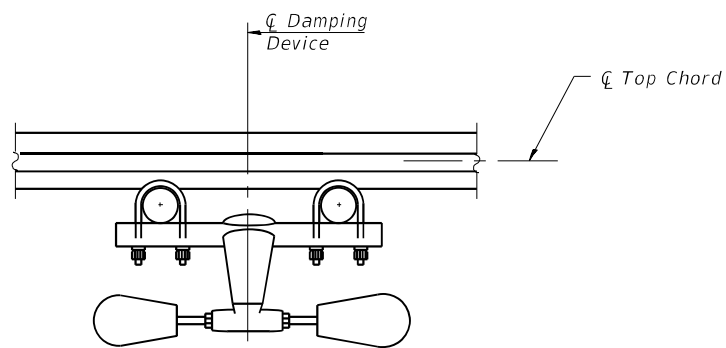
TRUSS DAMPING DEVICE CONNECTION DETAIL



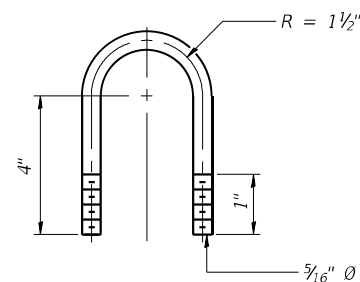
ELEVATION
Aluminum Cantilever Sign Structure

GENERAL NOTES

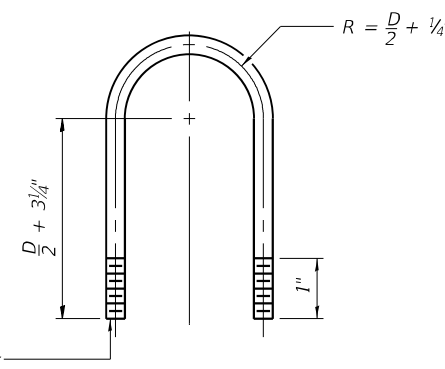
- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical)

OSC-A-D

2-17-2017

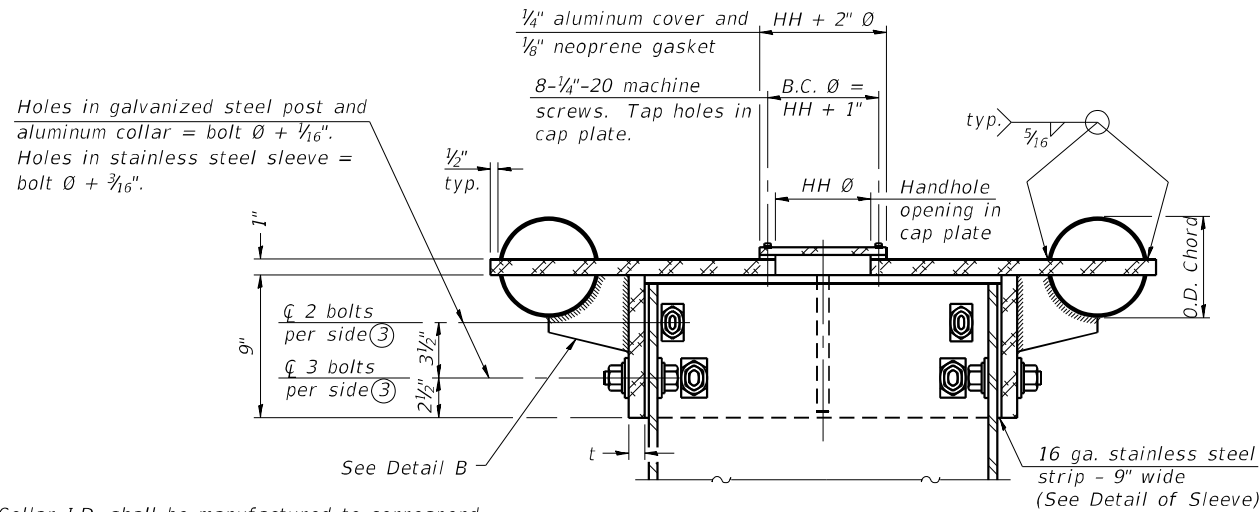
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PLOT SCALE = 100.0000 of / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CANTILEVER SIGN STRUCTURE
DAMPING DEVICE**

SCALE: SHEET OF SHEETS STA. TO STA.

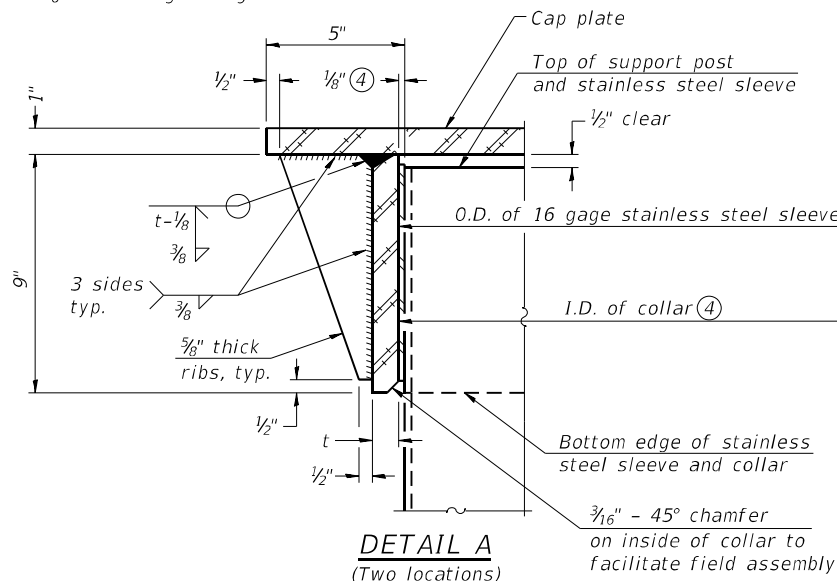
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CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



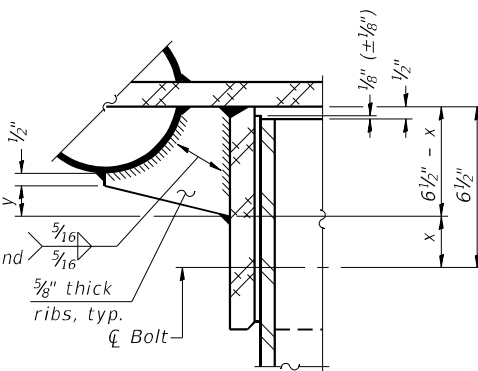
④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (±1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

SECTION B-B

Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

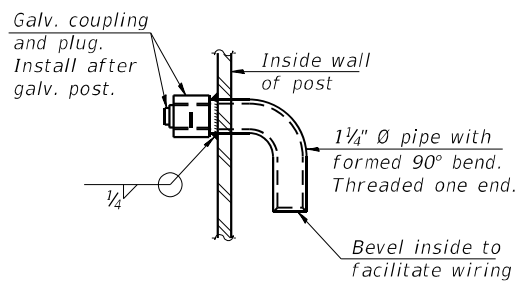


DETAIL A
(Two locations)

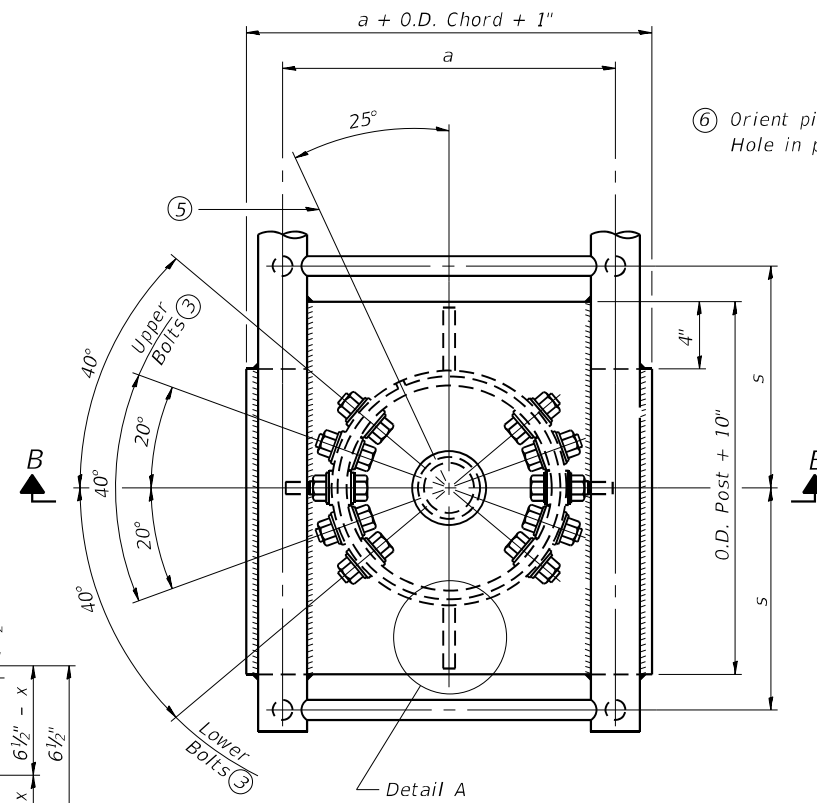


DETAIL B

Two locations
(For details not shown, see Detail C)

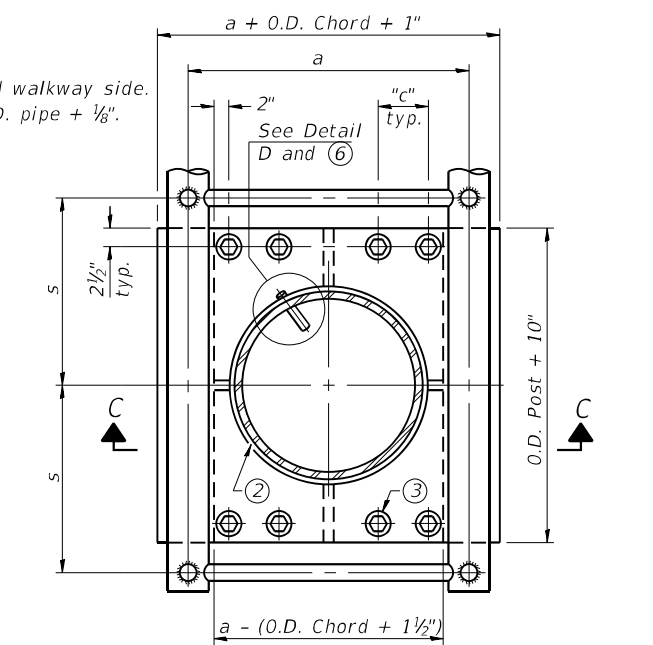


DETAIL D



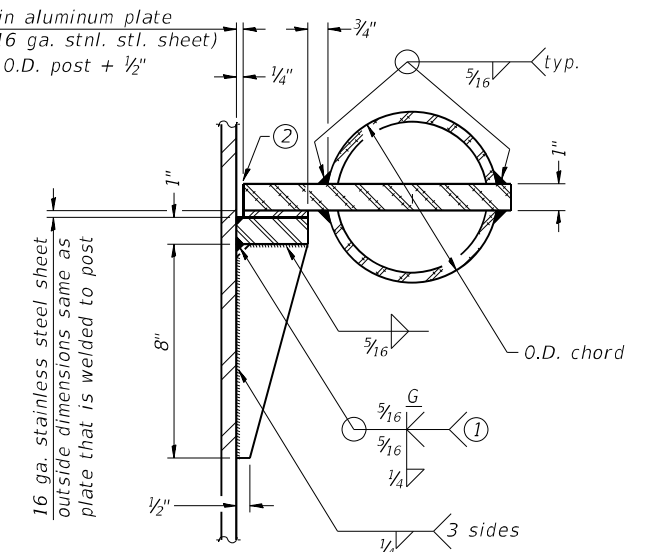
PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar. (Two locations maximum... (180° apart)... X-ray or UT 100%)

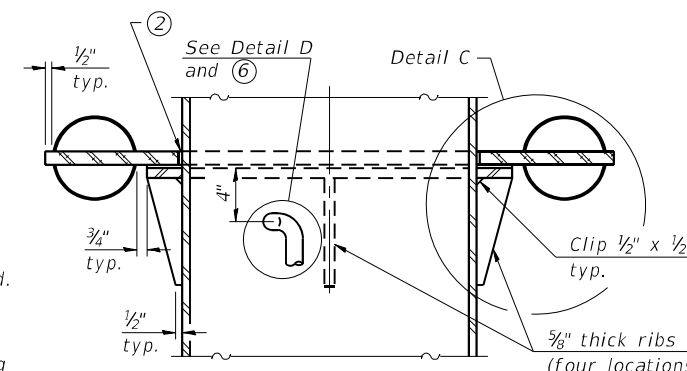


SECTION THRU POST ABOVE LOWER CHORDS

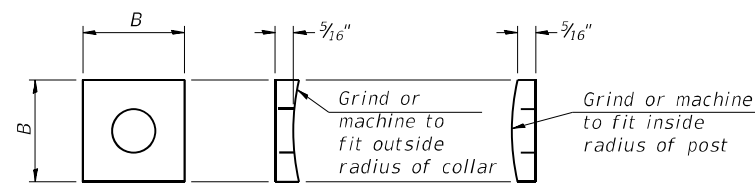
Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 1/2"



DETAIL C



SECTION C-C



CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
3/8"	1"	2 1/2"
1/2"	1 1/8"	3"
3/4"	1 3/8"	3 1/4"

DETAIL OF STAINLESS STEEL SLEEVE

Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 1 1/2" long at 6" cts. along top edge and at 1/4" opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" Ø (83#/'')	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" Ø (125#/'')	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" Ø (125#/'')	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" Ø (171#/'')	1 1/4"	3 1/2"	12"	7/8"	2"	1"

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.
- ③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

OSC-A-3

2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

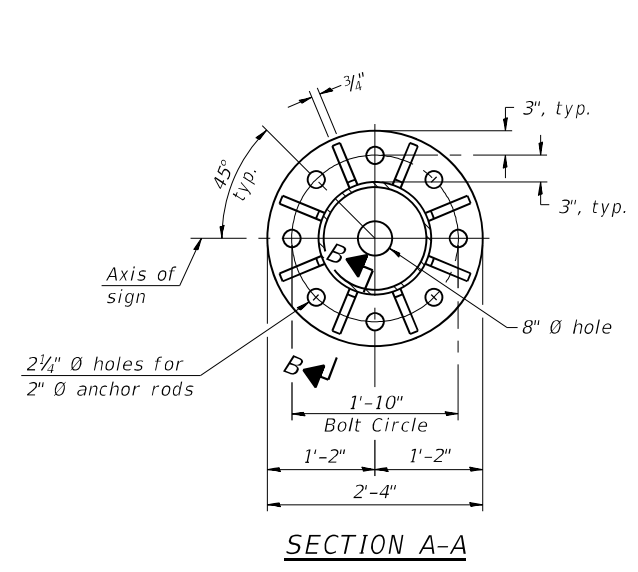
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

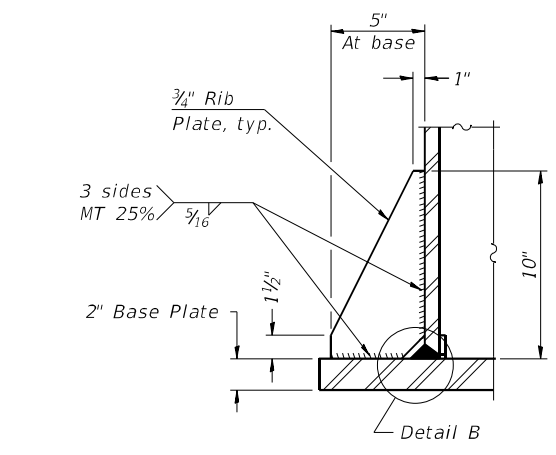
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	29
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

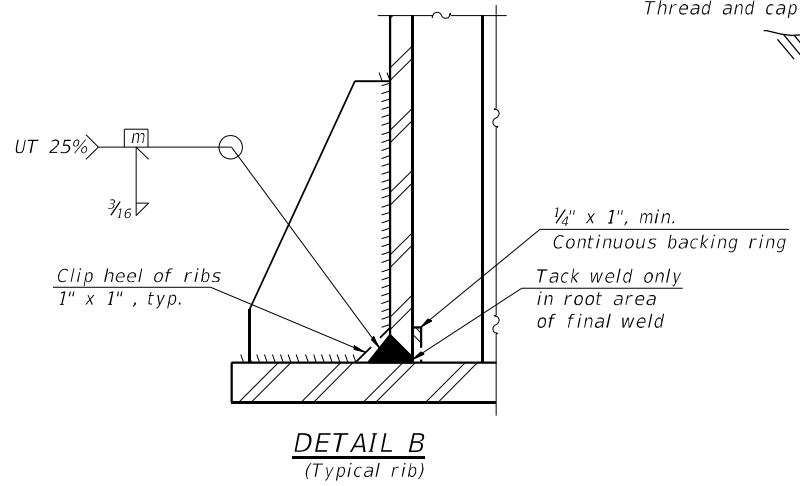
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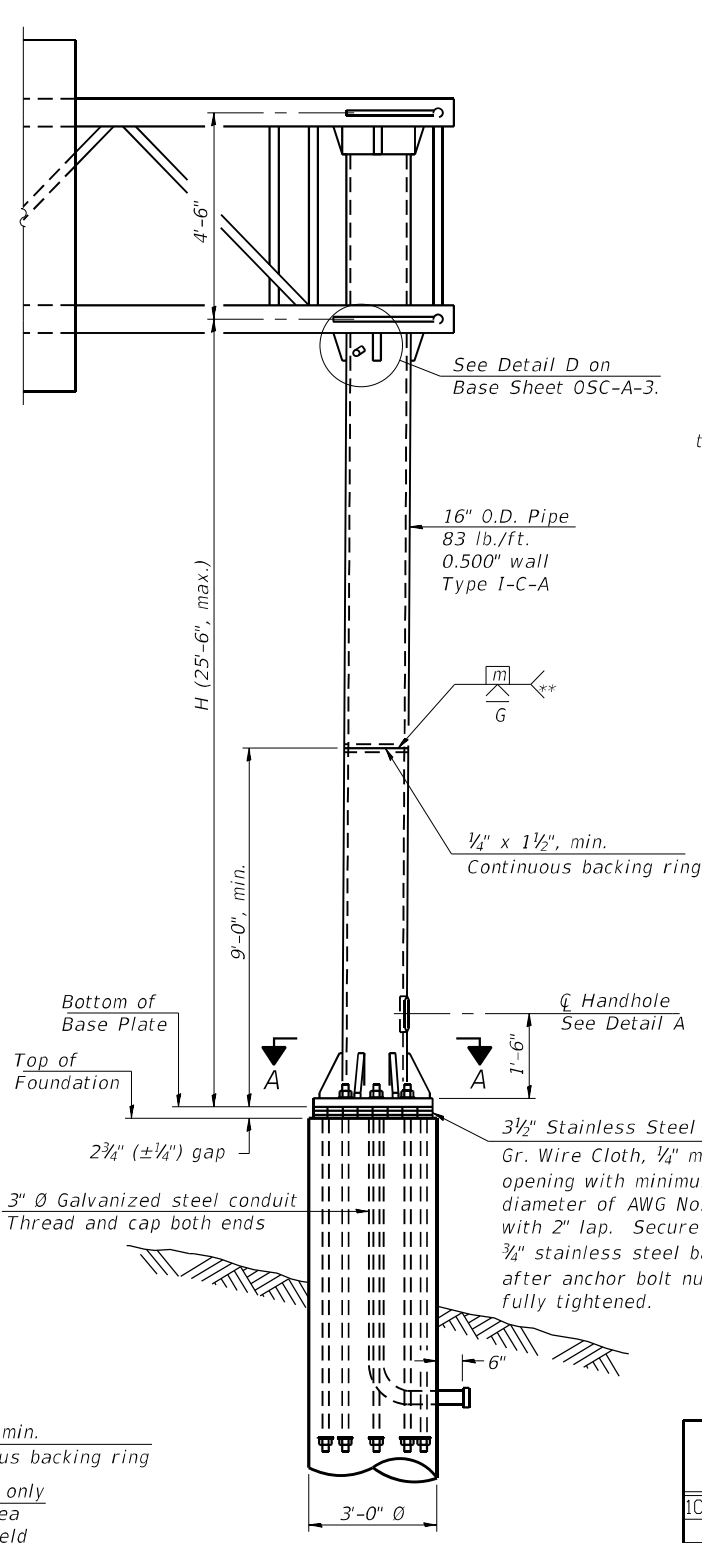
SECTION A-A



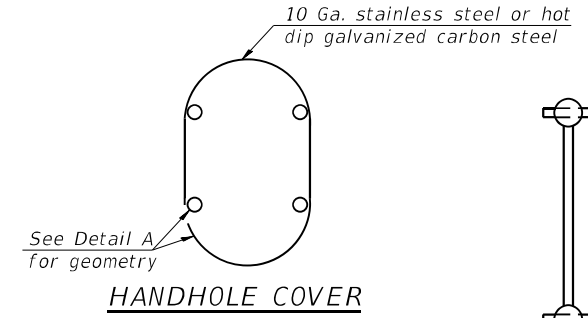
SECTION B-B



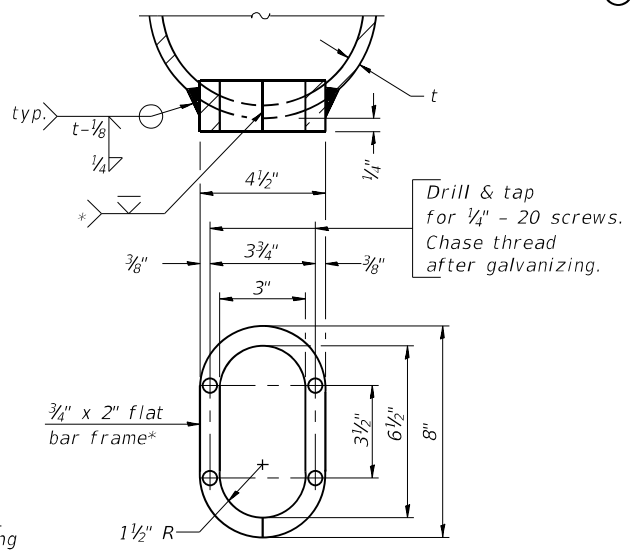
DETAIL B
(Typical rib)



FRONT ELEVATION
For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER



DETAIL A

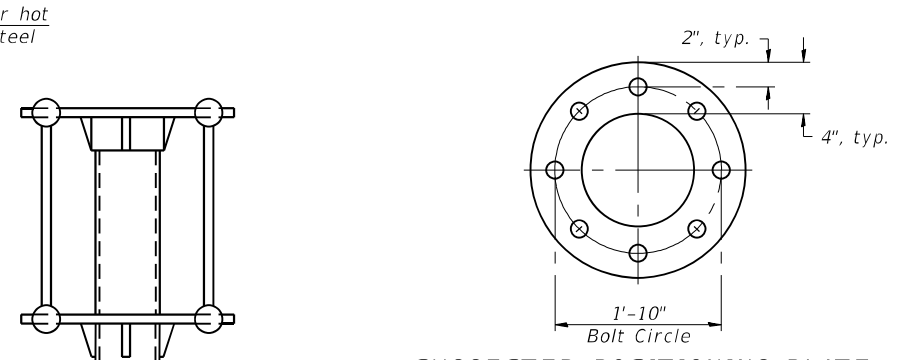
Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" Ø holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

* Bent bars may be butt welded top and bottom or bottom only. 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 500µ in or less.

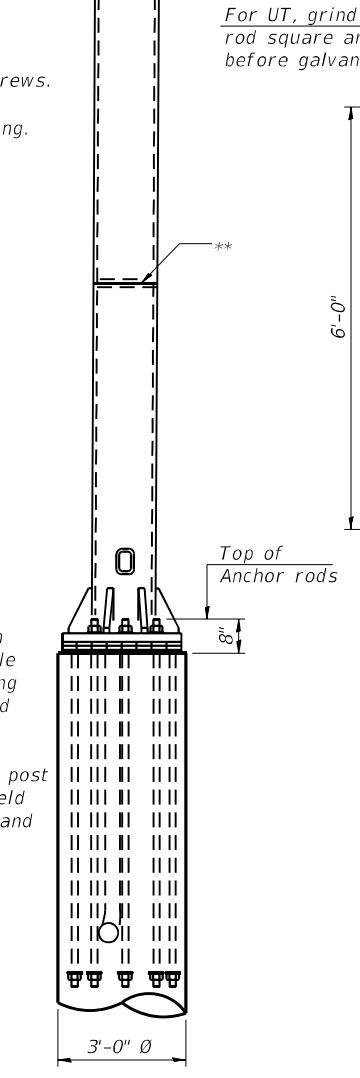
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Location	H
1C0161094L054.2-000	15	18' 5"

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



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

OSC-A-4

2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

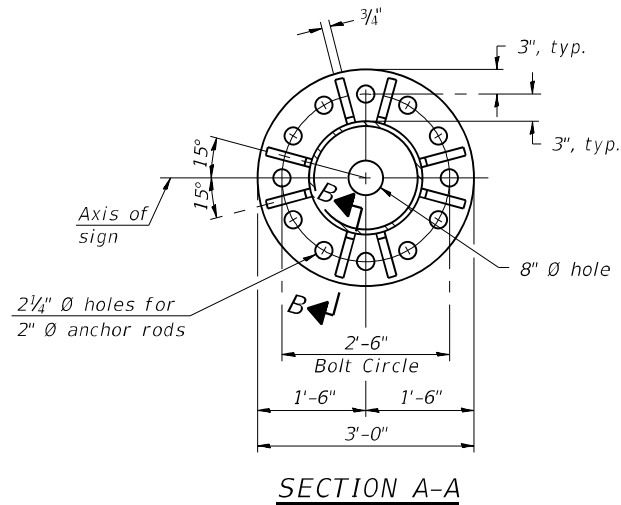
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TYPE I-C-A TRUSS
SUPPORT POST - ALUMINUM TRUSS & STEEL POST

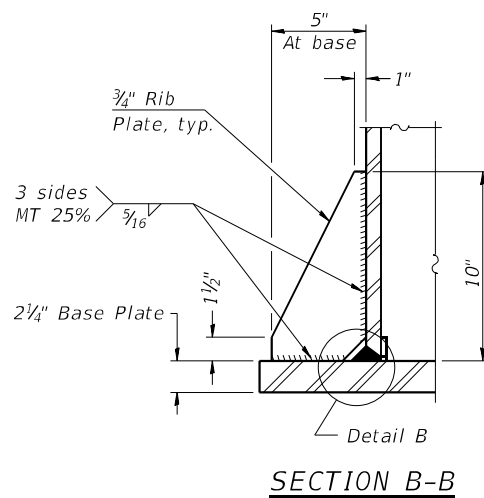
SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-10WH SIN STR REPL 20-27	VARIOUS	119	30
CONTRACT NO. 46539			
ILLINOIS FED. AID PROJECT			

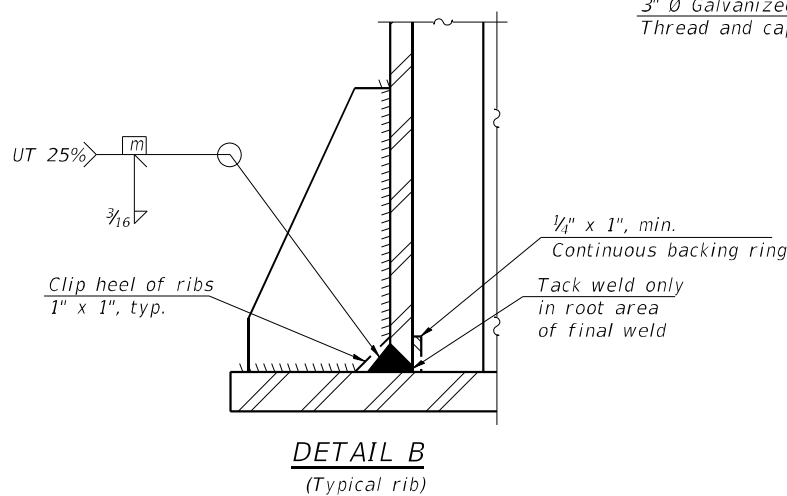
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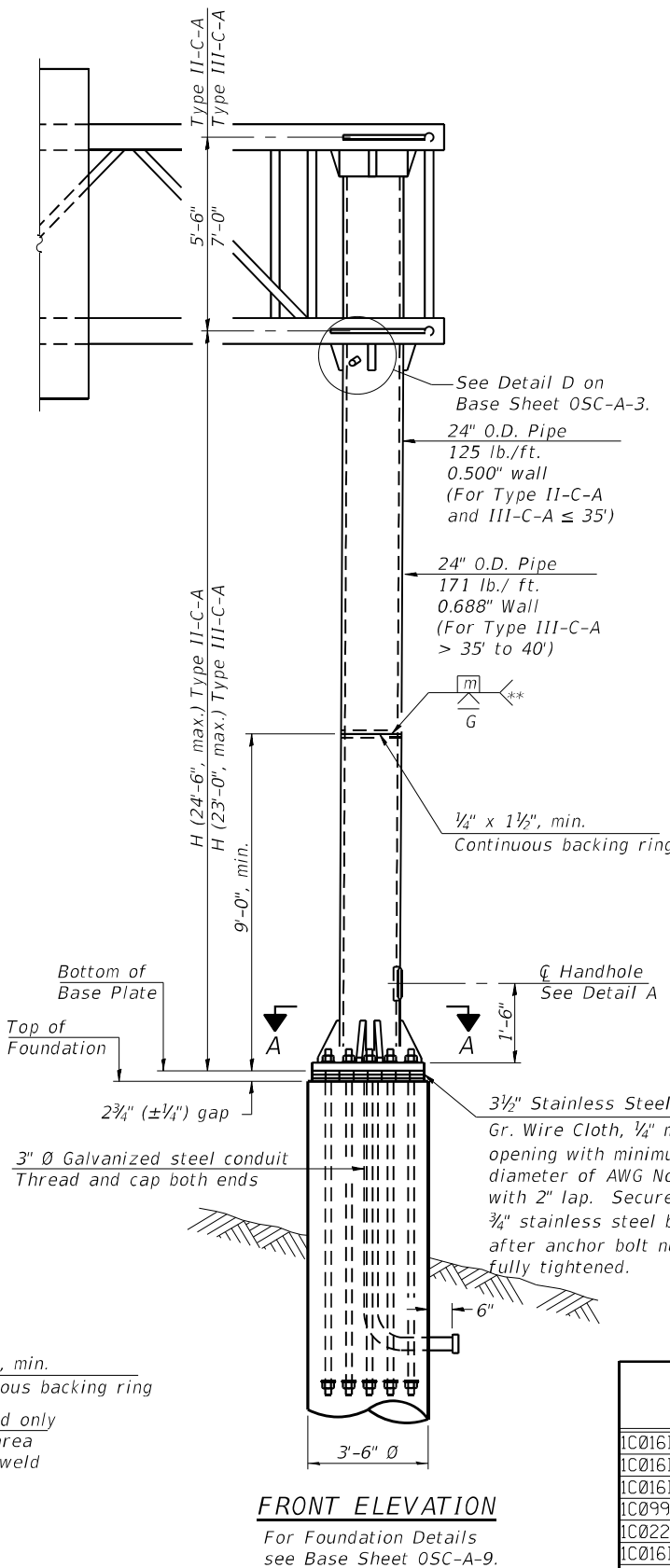
SECTION A-A



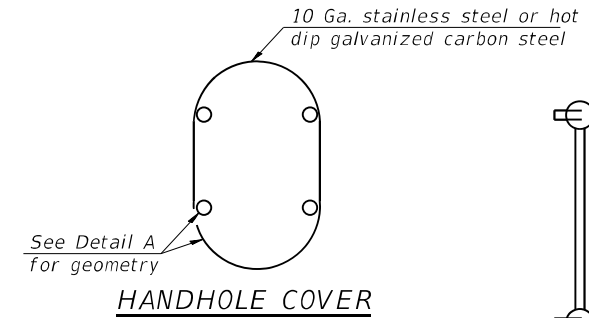
SECTION B-B



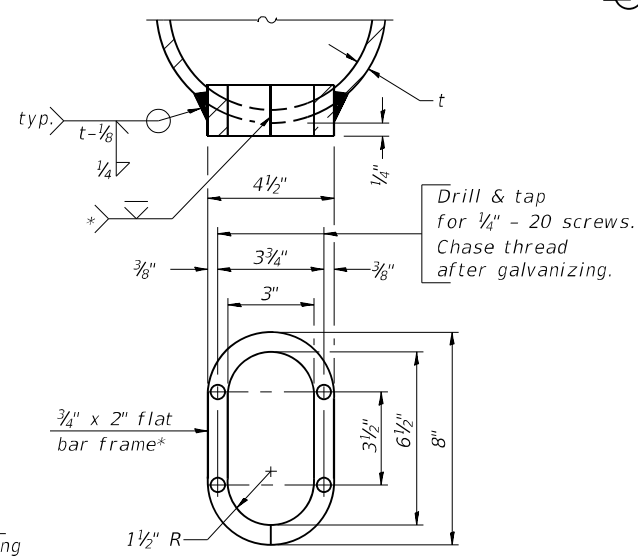
DETAIL B
(Typical rib)



FRONT ELEVATION
For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER



DETAIL A

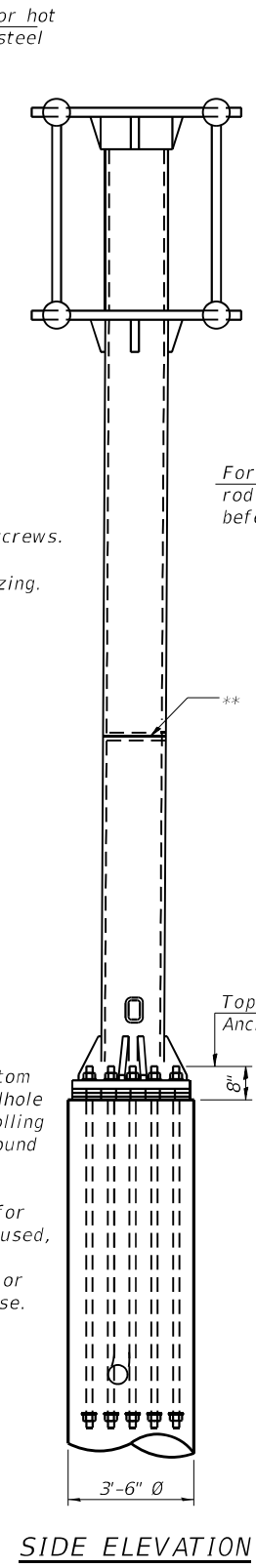
Provide 8" x 4 1/2" cover. Outside corners = 2 1/2" radius. Provide 4-5/16" Ø holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

* Bent bars may be butt welded top and bottom or bottom only. 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 500µ in or less.

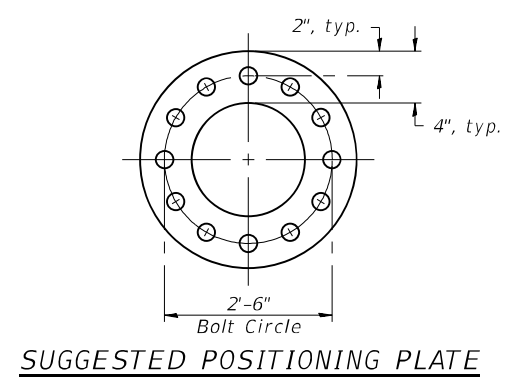
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Location	H
IC0161094L041.8-000	14	24' 3"
IC0161290R023.4-000	16	20' 6"
IC0161094R041.8-000	17	24' 3"
IC0991080R142.9-000	18	22' 0"
IC022S056R000.0-000	19	22' 4"
IC0161290R018.8-000	20	20' 0"
IC0221055R272.9-000	21	19' 7"
IC022S083L000.0-002	22	22' 1"

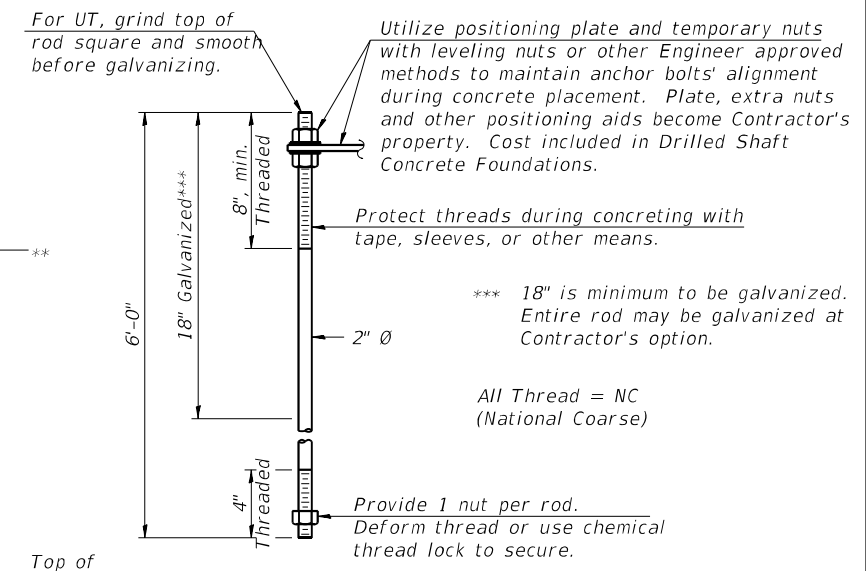
Note: "H" based on 15'-0" or actual sign height, whichever is greater.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

OSC-A-5

2-17-2017

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 PROJECT: ...
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 CHECKED: ...
 DATE: 9/29/2021

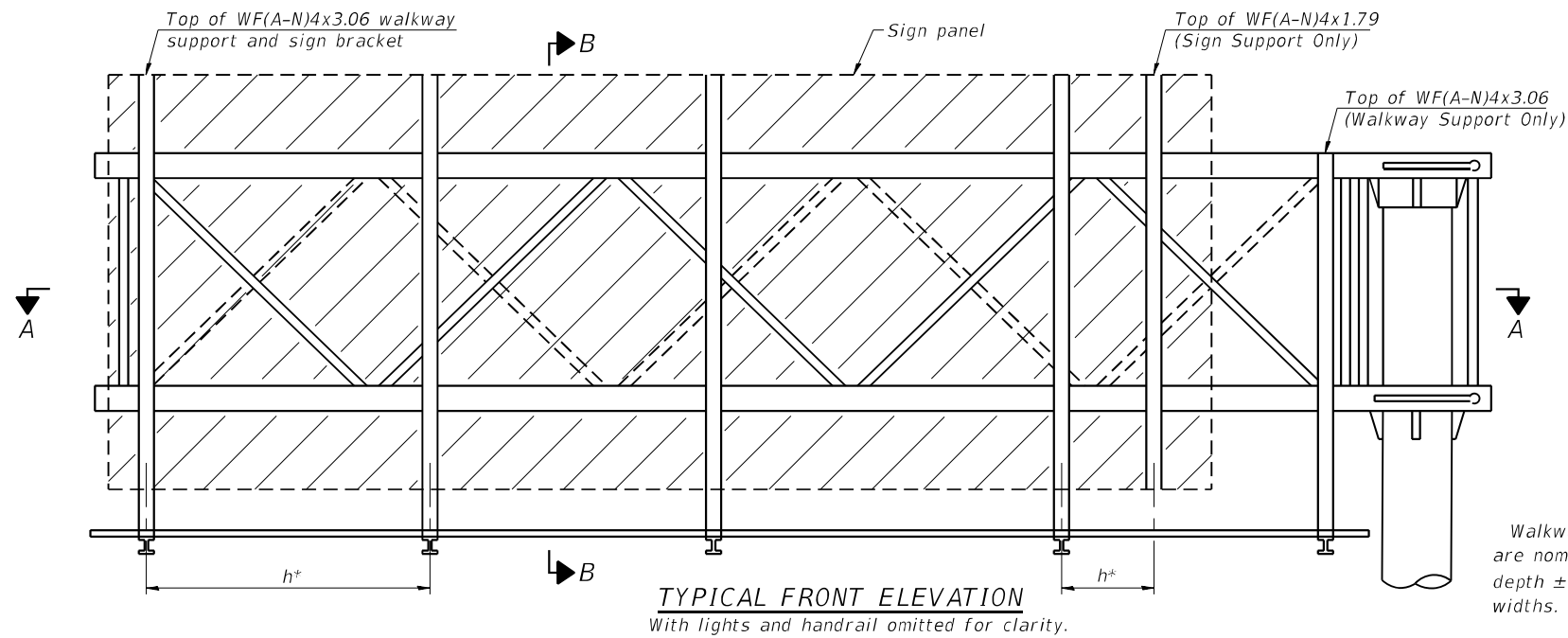
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PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TYPE II-C-A & III-C-A
TRUSS SUPPORT POST - ALUMINUM TRUSS & STEEL POST

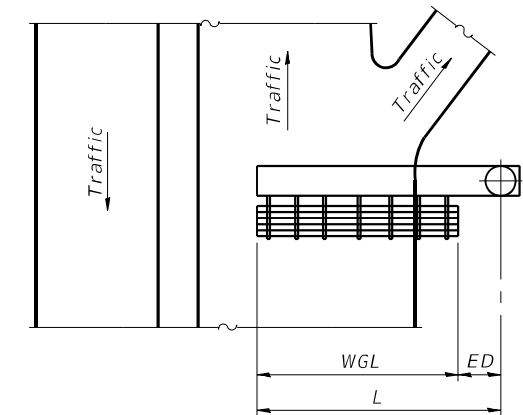
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	31
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

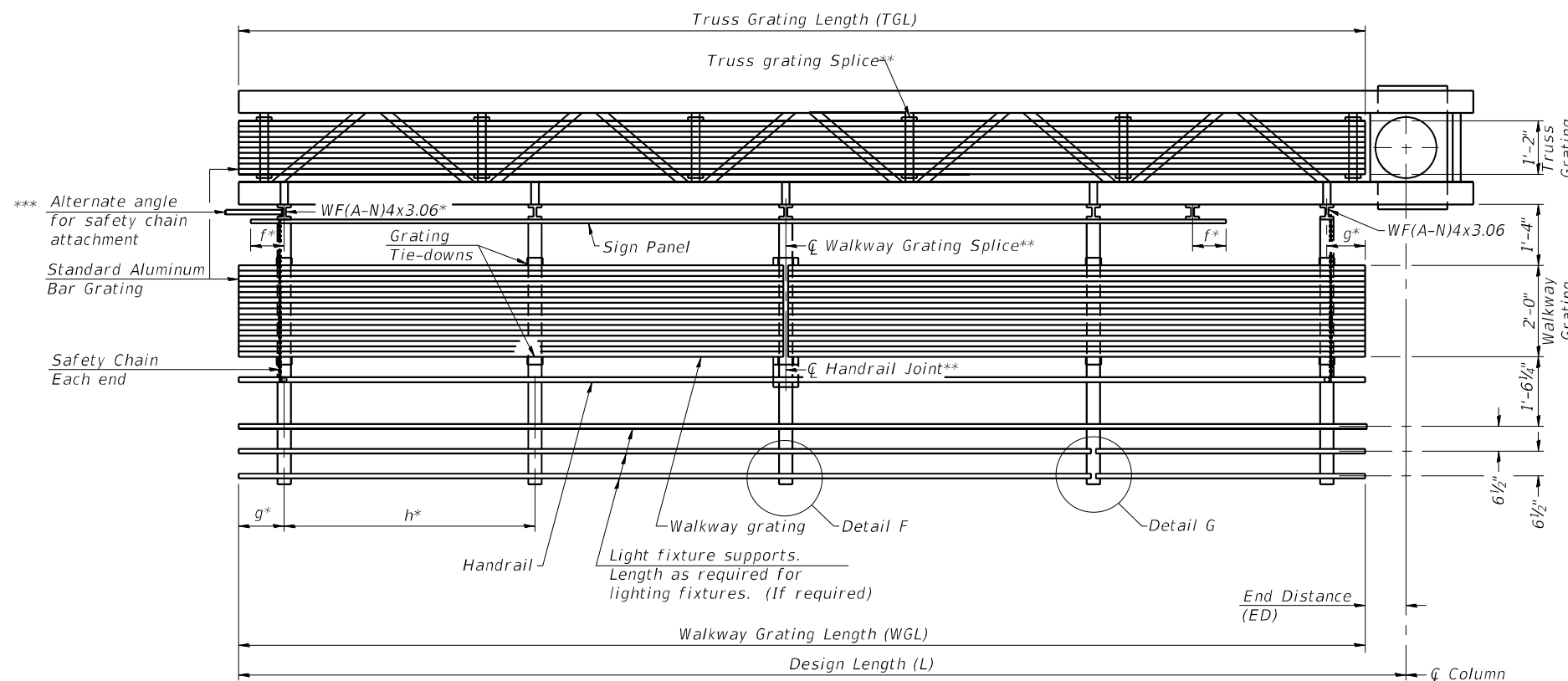


TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard widths.



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



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Location	WGL	ED	TGL
1C0161094L041.8-000	14	-	-	28' 6"
1C0161094L054.2-000	15	-	-	26' 0"
1C0161290R023.4-000	16	-	-	32' 6"
1C0161094R041.8-000	17	-	-	31' 10"
1C0991080R142.9-000	18	-	-	35' 6"
1C022S056R000.0-000	19	-	-	38' 6"
1C0161290R018.8-000	20	-	-	38' 6"
1C0221055R272.9-000	21	-	-	33' 6"
1C022S083L000.0-002	22	-	-	38' 6"

Notes:

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

f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)

g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)

h = 6'-0" maximum (center to center 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 attachment on base sheet OSC-A-8

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.

For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width	Number Brackets Required	
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

OSC-A-6

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

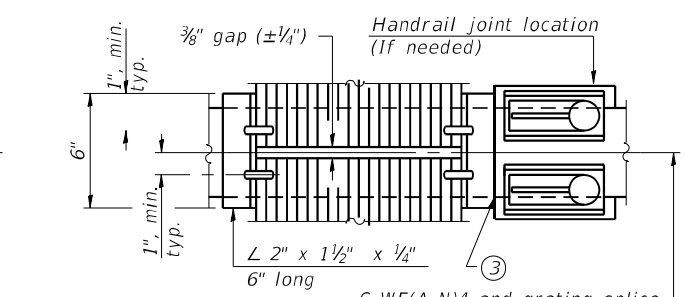
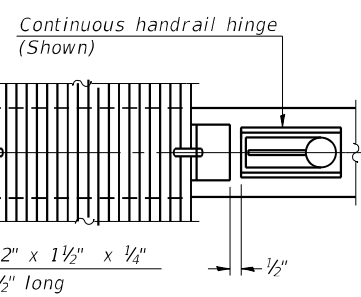
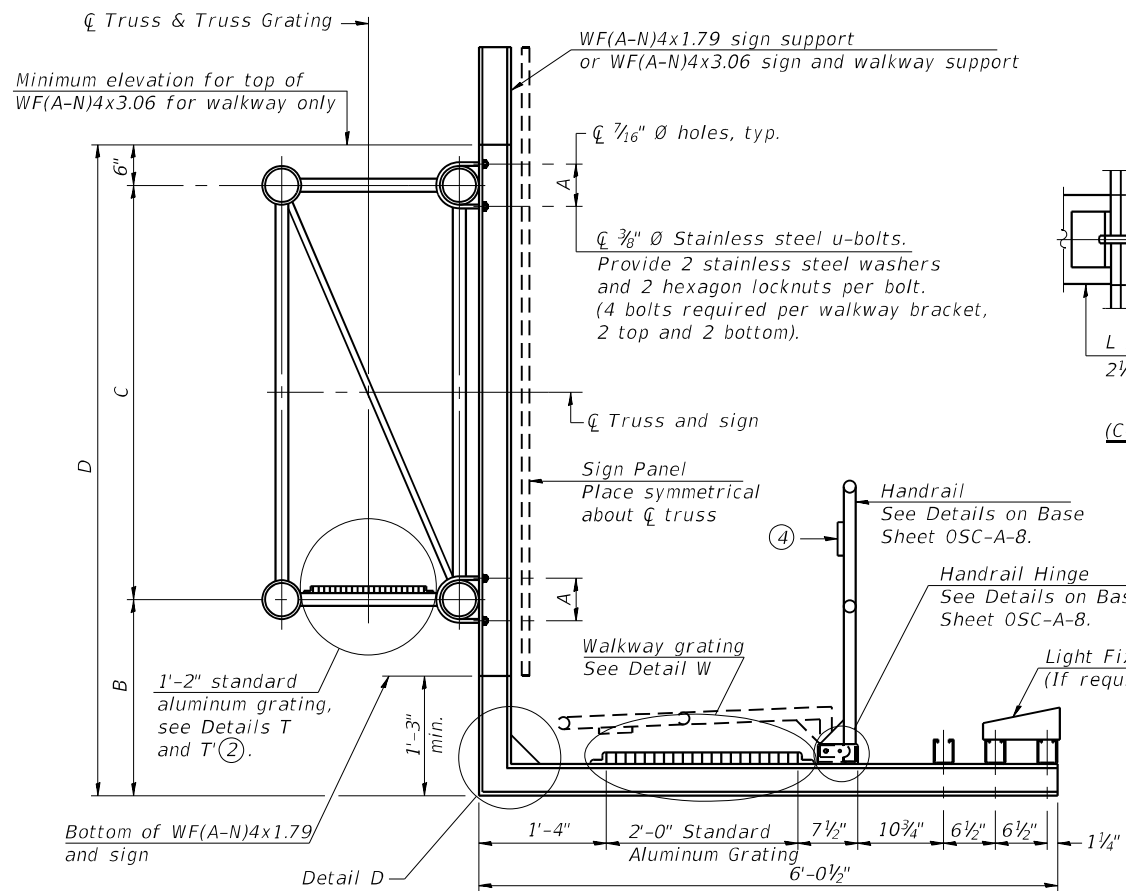
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - ALUMINUM WALKWAY
DETAILS - ALUMINUM TRUSS & STEEL POST

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	32
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

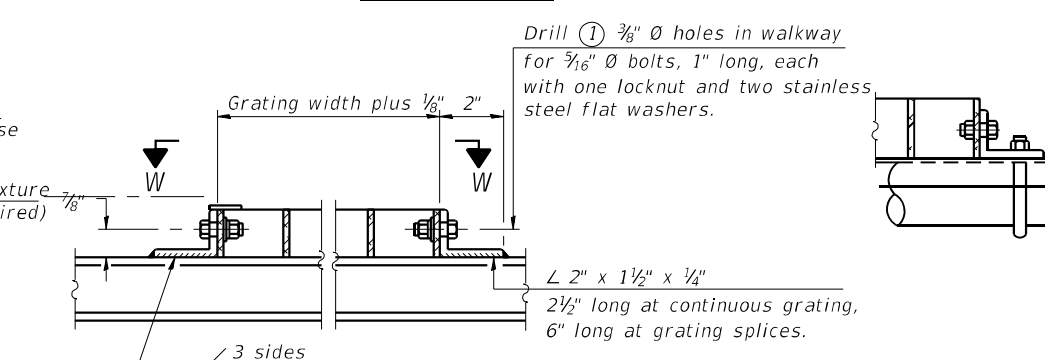
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(CONTINUOUS WALKWAY GRATING)

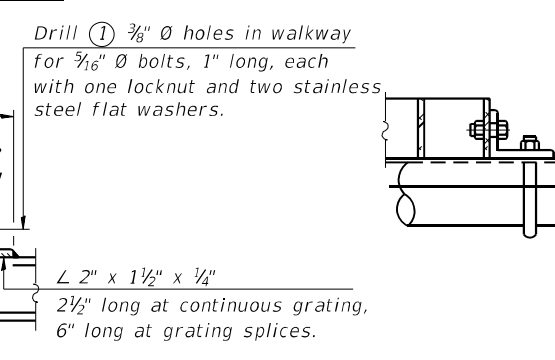
SECTION W-W

(AT WALKWAY GRATING SPLICE)



DETAIL W

(Walkway grating)



DETAIL T'

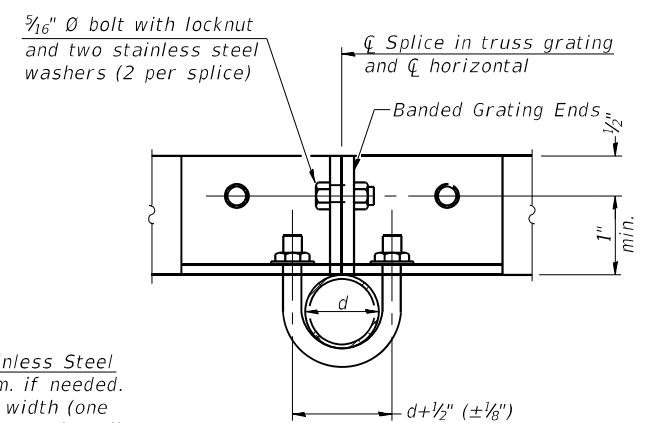
(Truss grating splice)

Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

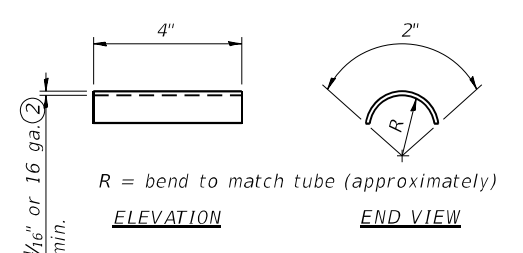
SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

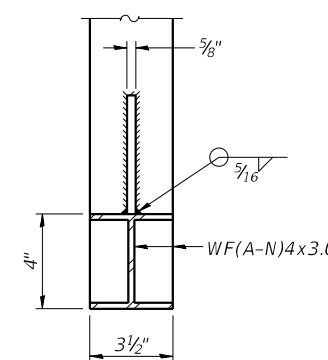
Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



SECTION T'-T'

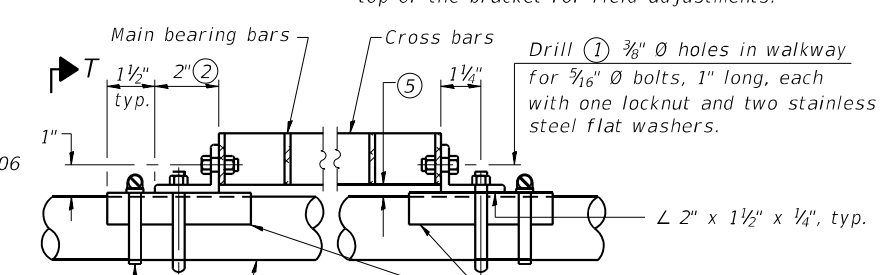


SHIM DETAIL



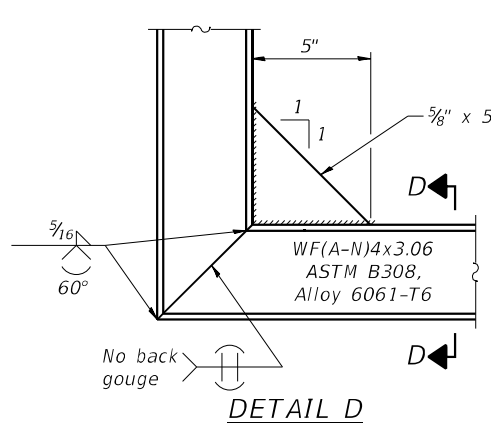
SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.



SECTION D-D

Screw type stainless steel tube clamp at shim location



DETAIL T

(Continuous Truss grating)

Structure Number	Location	A	⑥ B	C	⑥ D
IC0161094L041.8-000	14	8'	-	7' 0"	-
IC0161094L054.2-000	15	5'	-	4' 6"	-
IC0161290R023.4-000	16	8'	-	7' 0"	-
IC0161094R041.8-000	17	8'	-	7' 0"	-
IC0991080R142.9-000	18	8'	-	7' 0"	-
IC022S056R000.0-000	19	8'	-	7' 0"	-
IC0161290R018.8-000	20	8'	-	7' 0"	-
IC0221055R272.9-000	21	8'	-	7' 0"	-
IC022S083L000.0-002	22	8'	-	7' 0"	-

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OSC-A-8.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual sign height, Ds, given on OSC-A-1.

OSC-A-7

2-17-2017

USER NAME	DESIGNED	REVISION
mezog	-	-
DRAWN	-	REVISION
PLOT SCALE = 100.0000 sf / in.	CHECKED	REVISION
PLOT DATE = 9/29/2021	DATE	REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

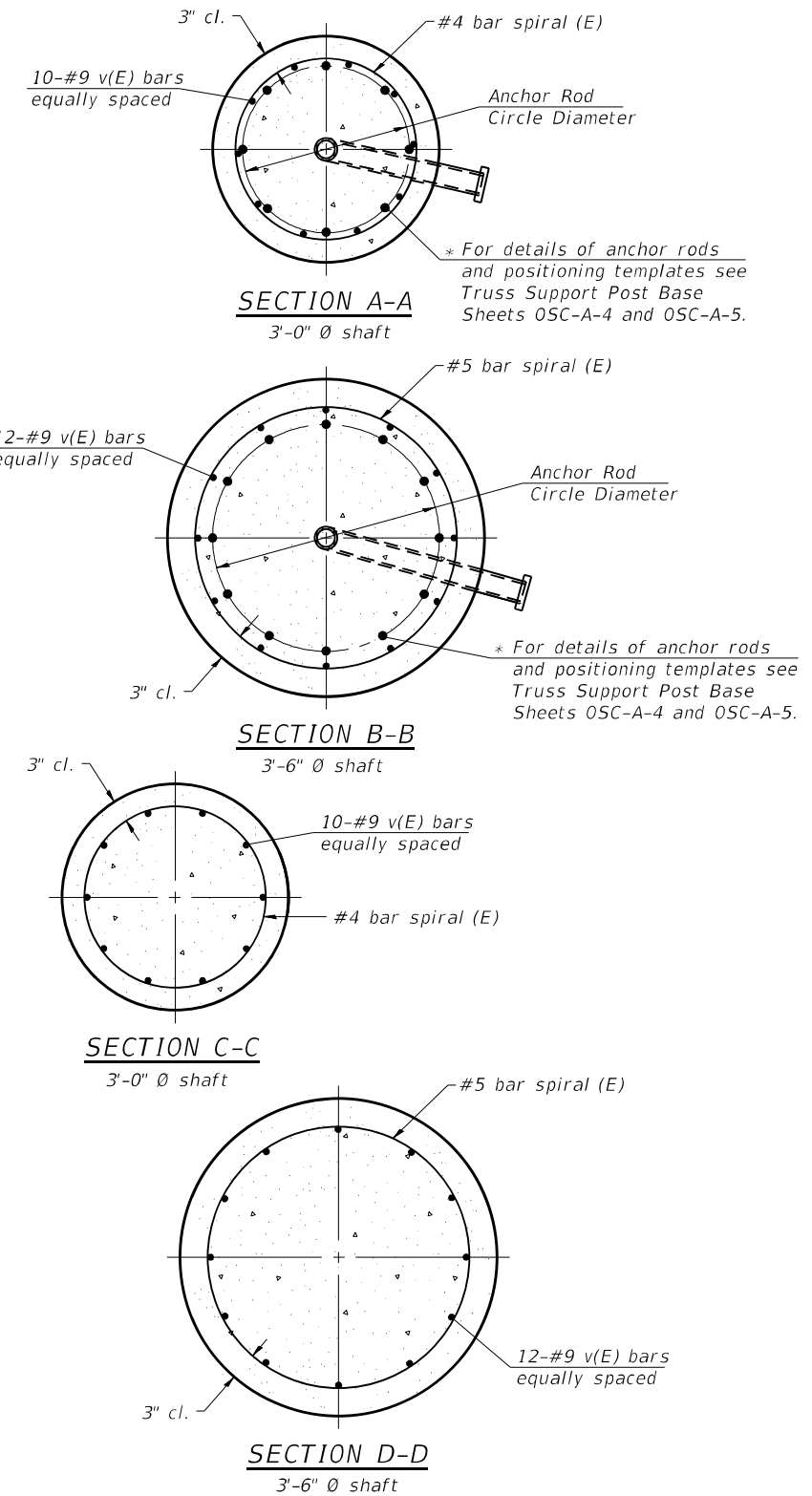
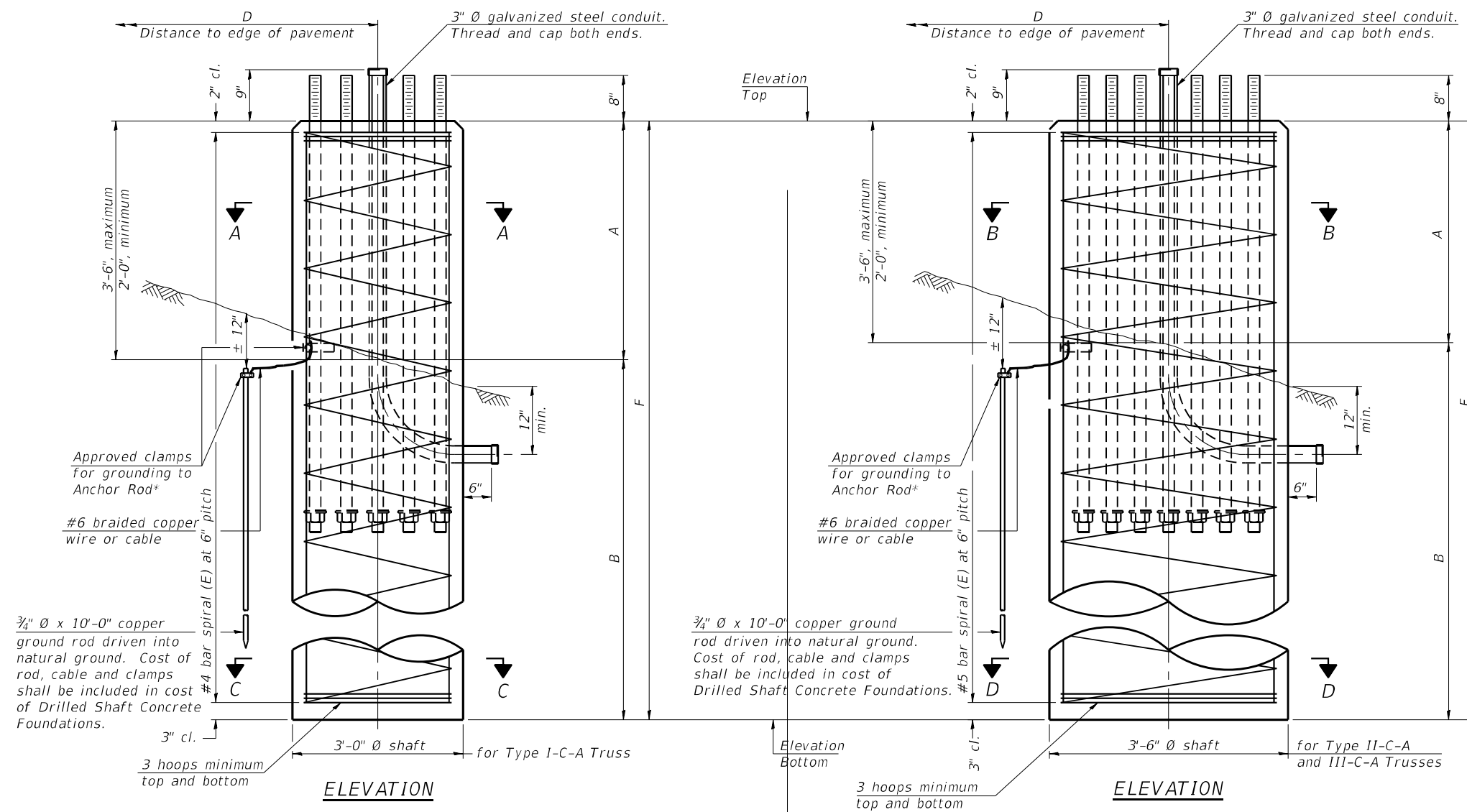
CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-10W	SIN STR REPL 20-27	VARIOUS	119	33
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\aut\c...
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 PROJECT: ...
 DATE: ...

* 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".

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

Structure Number	Location	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Q_u	A	B	F	Class DS Concrete Cubic Yards
1C0161094L041.8-000	14	III-C-A	3' 6"	623.83	602.33		2' 6"	19'	21' 6"	7.7
1C0161094L054.2-000	15	I-C-A	3' 0"	591.82	557.32		2' 6"	32'	34' 6"	9.0
1C0161290R023.4-000	16	III-C-A	3' 6"	611.89	582.89		2' 6"	26' 6"	29' 0"	10.3
1C0161094R041.8-000	17	III-C-A	3' 6"	623.83	594.83		2' 6"	26' 6"	29' 0"	10.3
1C0991080R142.9-000	18	III-C-A	3' 6"	730.09	696.09		2' 0"	32'	34' 0"	12.2
1C0225056R000.0-000	19	III-C-A	3' 6"	678.63	644.13		2' 6"	32'	34' 6"	12.3
1C0161290R018.8-000	20	III-C-A	3' 6"	628.89	593.39		3' 6"	32'	35' 6"	12.7
1C0221055R272.9-000	21	III-C-A	3' 6"	692.15	662.15		3' 6"	26' 6"	30' 0"	10.9
1C0225083L000.0-002	22	III-C-A	3' 6"	724.57	689.07		3' 6"	32'	35' 6"	12.7

OSC-A-9 2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-10WH SIN STR REPL 20-27	VARIOUS	119	34
CONTRACT NO. 46539			
ILLINOIS FED. AID PROJECT			

MODEL: D:\p\aut\c...
 FILE NAME: ...
 PROJECT: ...
 DRAWN BY: ...
 CHECKED BY: ...
 DATE: ...

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 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^{3/4} 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) 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.

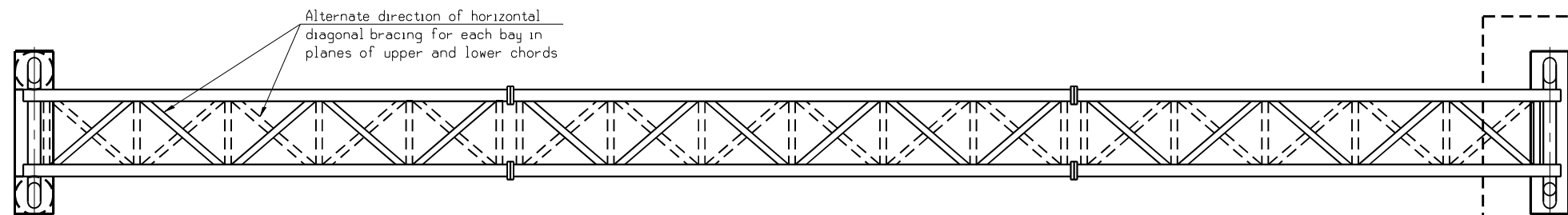
CONCRETE SURFACES: All concrete surfaces above an elevation 6' below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

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

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

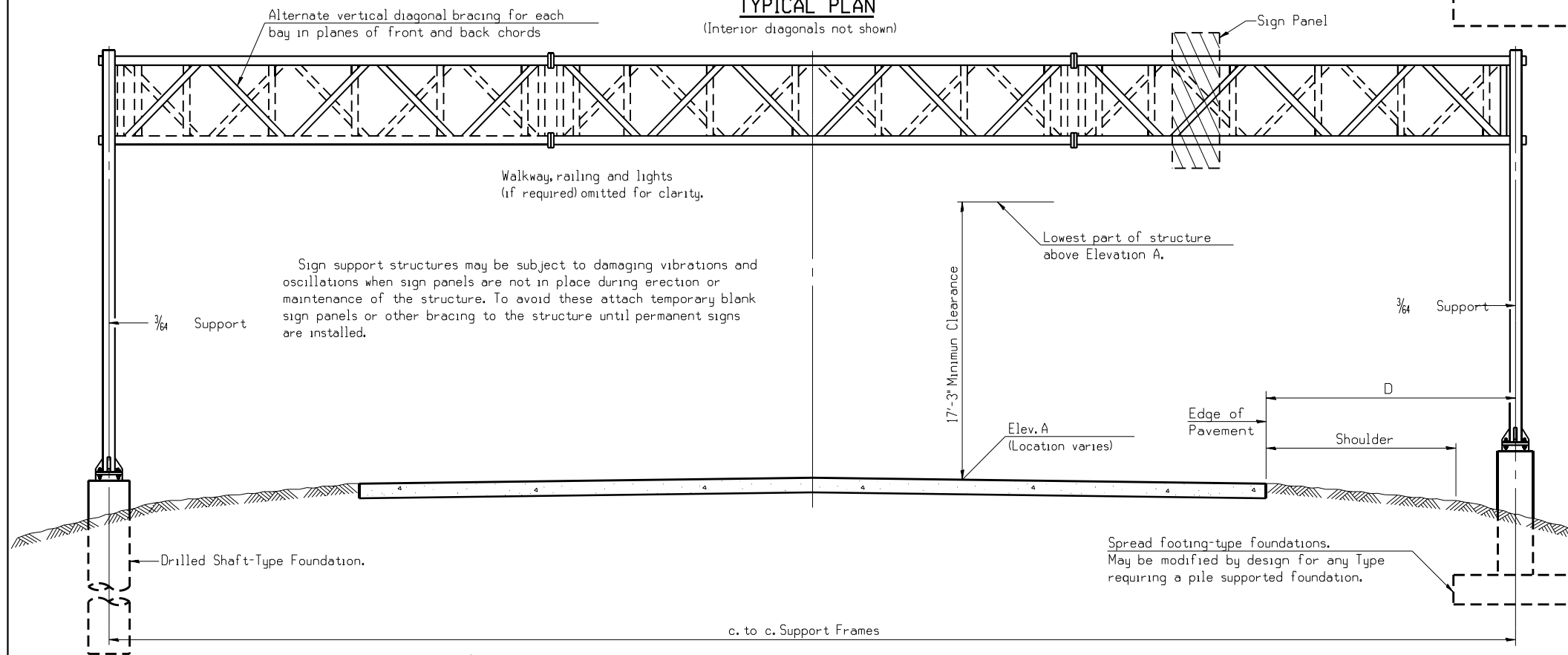
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	730
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	325
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	86
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	-
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	442.5



TYPICAL PLAN

(Interior diagonals not shown)



TYPICAL ELEVATION

(Looking at Face of Signs)**

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Location	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
IS0161094L037.5-000	1	II-A	106'	628.93'	28	12.5'	586.5 SF
IS0161094L066.0-000	2	I-A	69'	586.30'	11	11.0'	381.0 SF
IS0161094R065.7-000	3	I-A	70'	587.50'	15	8.5'	152.0 SF
IS0221290L000.0-001	4	I-A	96'	712.66'	12.9	15.0'	498.0 SF
IS0221055L274.8-000	5	I-A	60'	708.21'	7	10.5'	284.0 SF
IS0161290L023.0-000	6	I-A	82'	610.03'	18.75	14.0'	375.0 SF
IS0161094L041.5-000	7	I-A	100'	618.12'	38	12.5'	565.25 SF
IS0161094L034.6-000	8	I-A	99'	619.40'	31.67	11.0'	392.50 SF
IS0161094L030.0-000	9	III-A	86'	633.68'	26.5	15.0'	448.50 SF
IS016U041R000.0-000	10	I-A	90'	637.51'	26.5	6.0'	180.0 SF
IS0161094L030.3-000	11	II-A	104'	633.52'	39.0	12.5'	479.5 SF
IS0161057L345.0-000	12	II-A	115'	714.55'	34.0	13.5'	532.25 SF
IS0221290L014.3-000	13	I-A	64.0'	685.03'	20.0	12.5'	306.25 SF

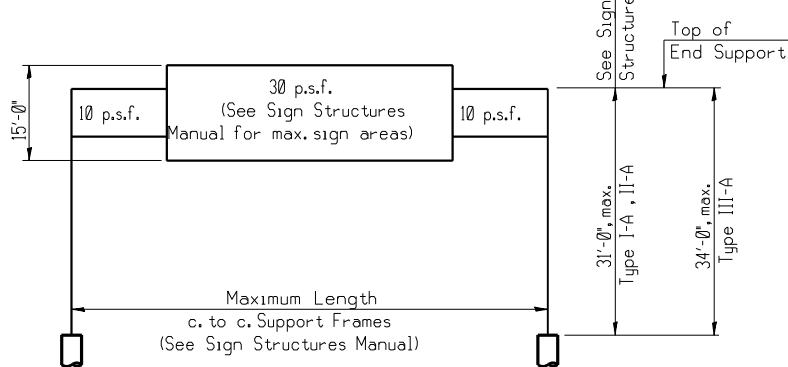
**Looking upstation for structures with signs both sides.

• 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.

MODEL: D:\p\aut\... PROJECTS\66892420\000\01\Traffic\Contract No. 46539_Sign_Truss_Design.dwg

DESIGN WIND LOADING DIAGRAM

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



OS-A-1 2-17-2017

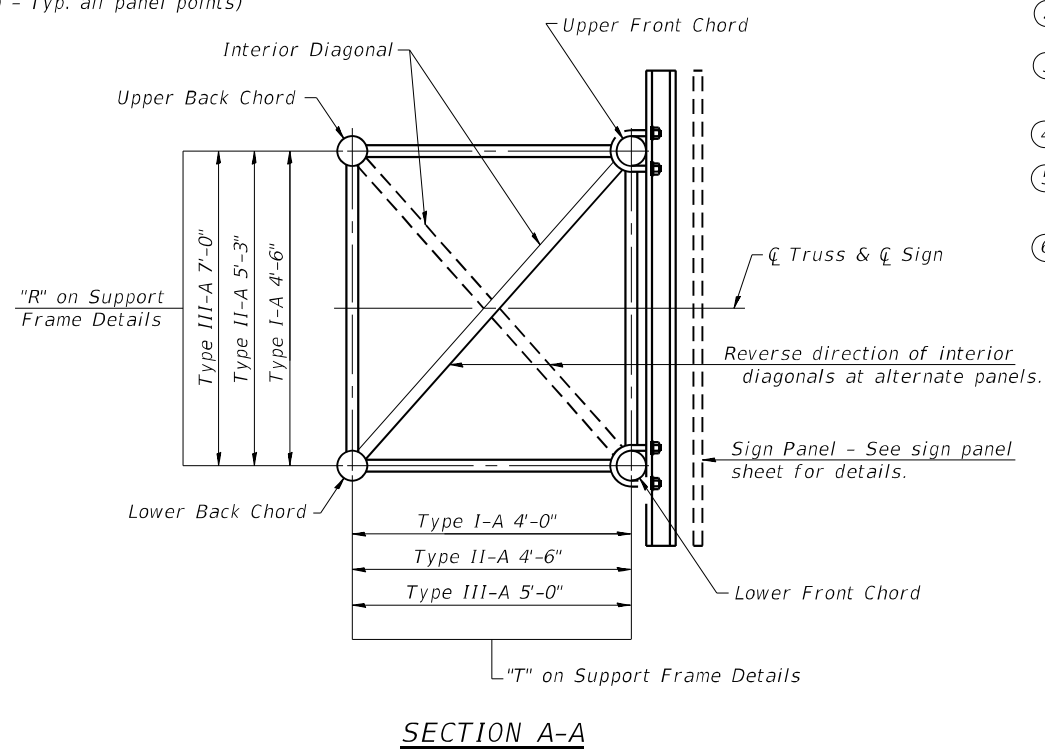
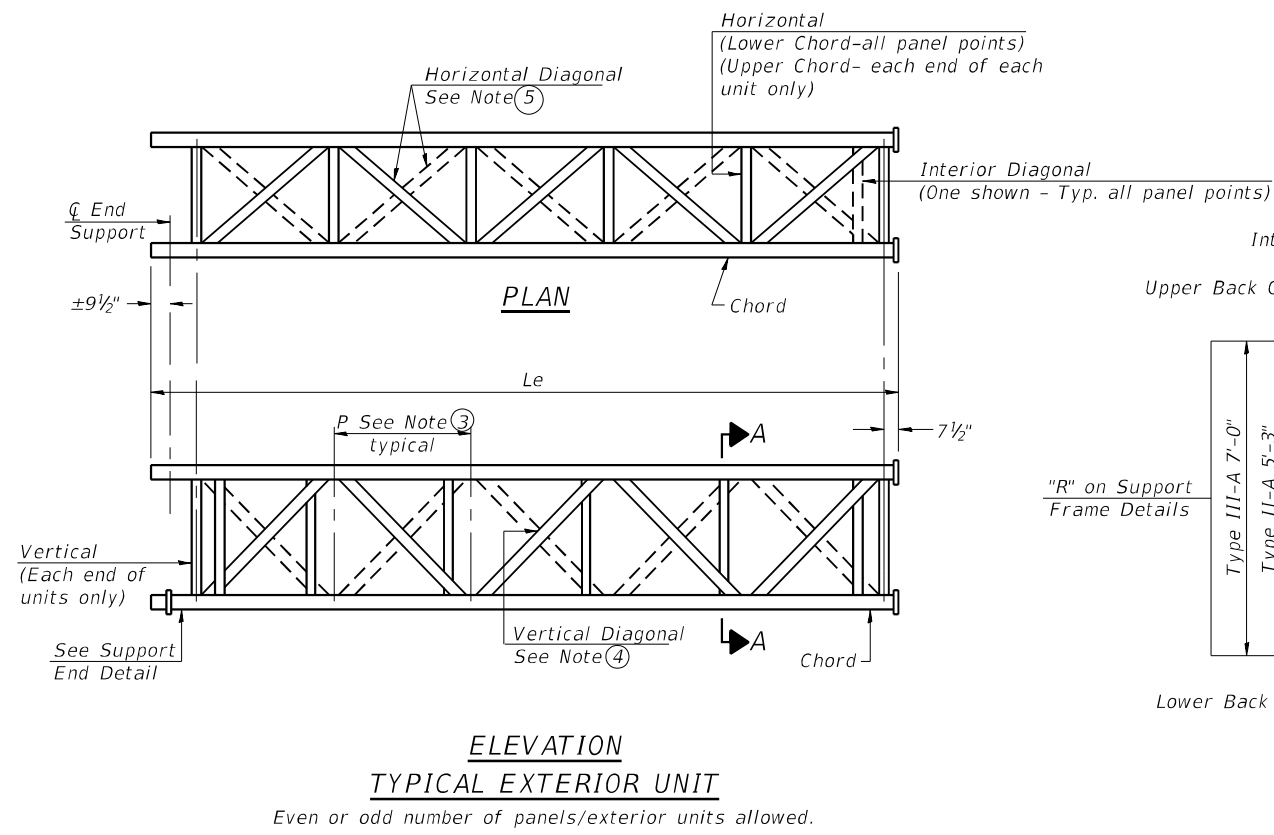
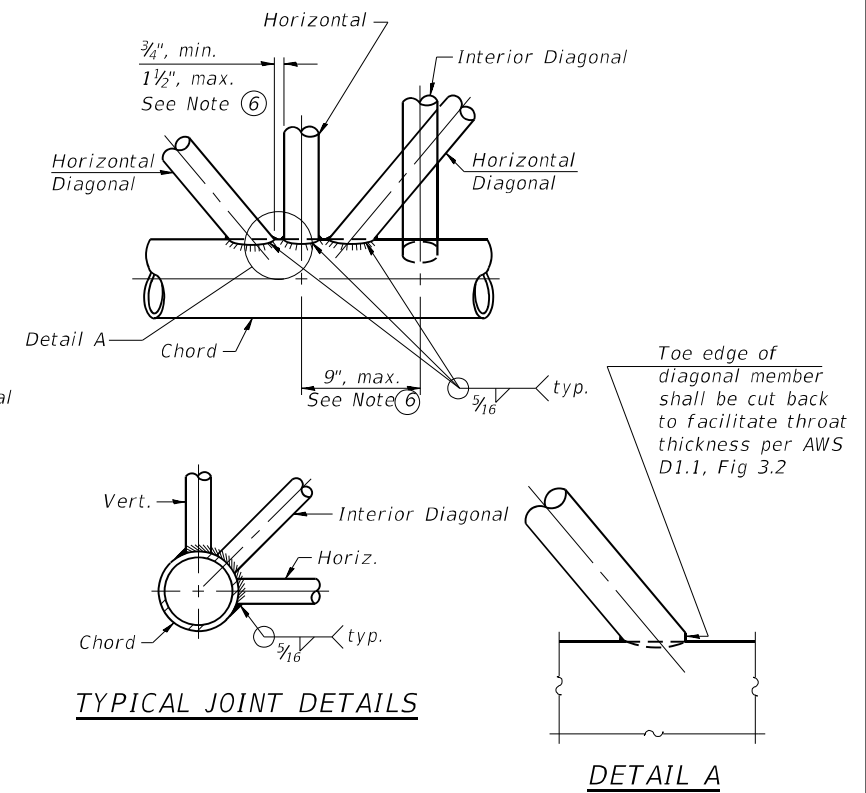
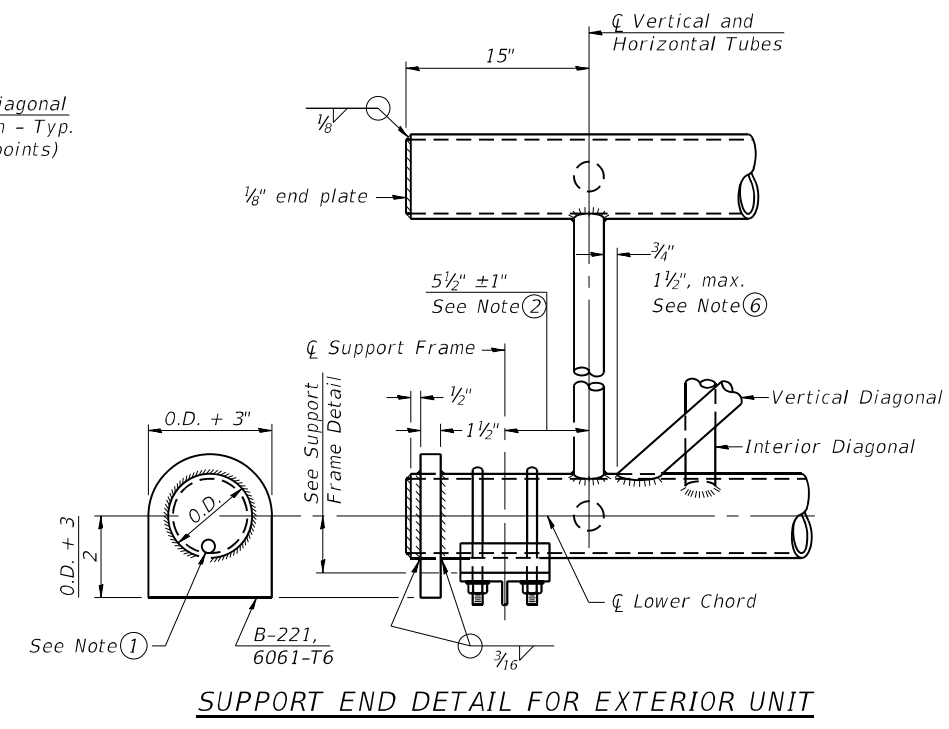
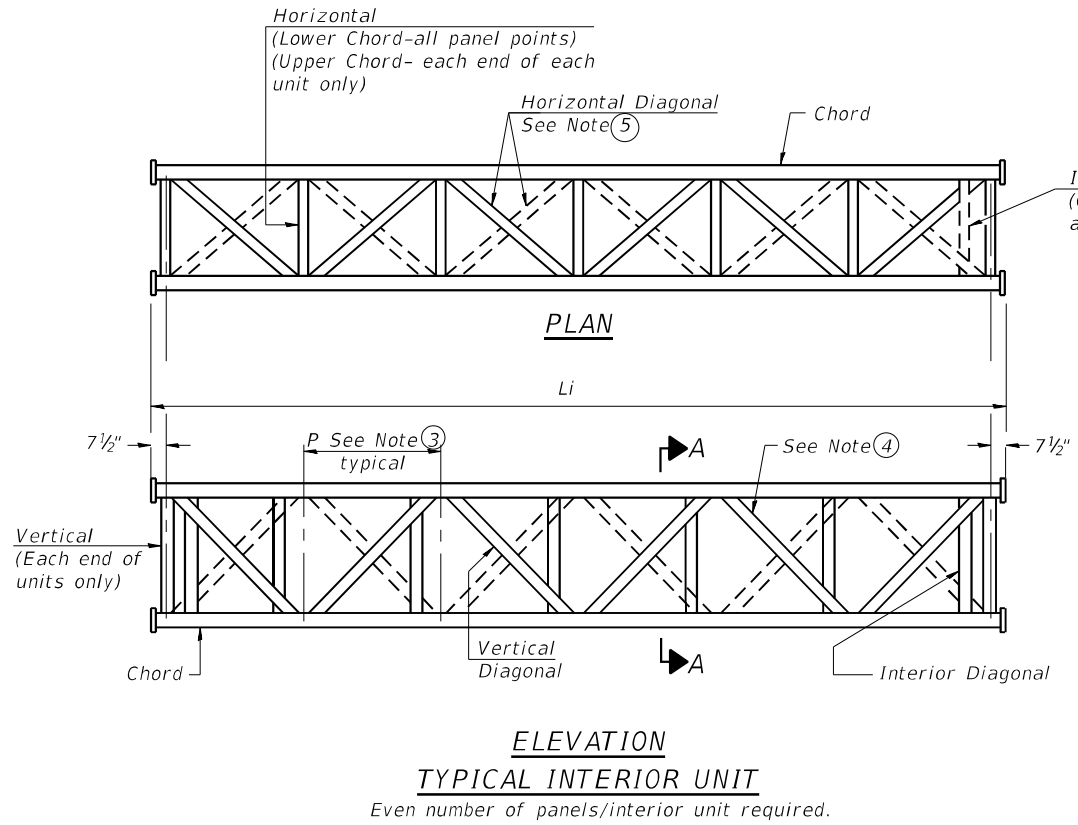
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PLOT SCALE = 1/8" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	35
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by ± 1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWN: ...
 CHECKED: ...
 DATE: ...

05-A-2

2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

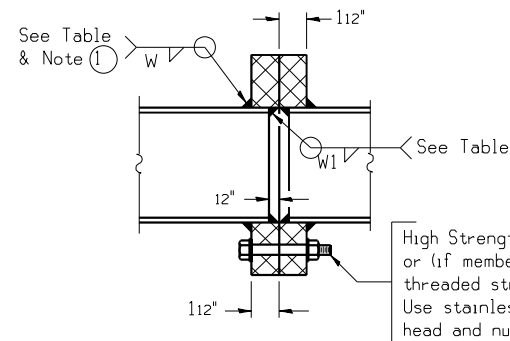
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	36
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

TRUSS UNIT TABLE

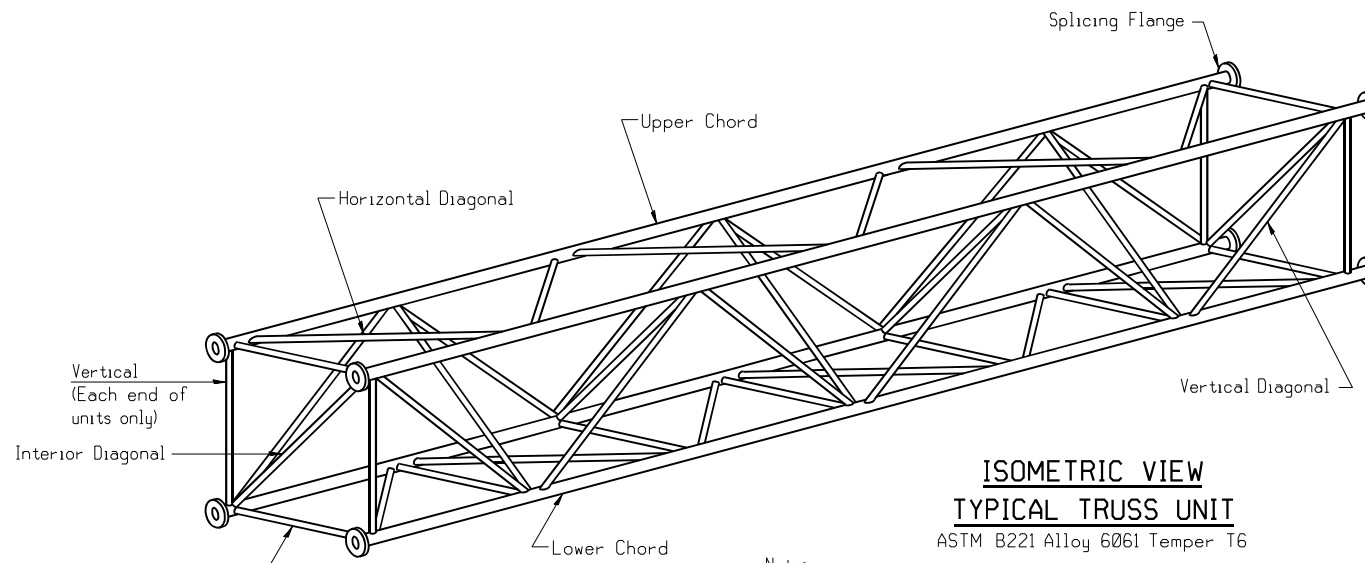
Structure Number	Location	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower Chord		Verticals; Horizontal; and Interior Diagonals		Camber at Midspan	Splicing Flange						
			No. Panels per Unit	Unit Lgth.(Le)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(Li)	Panel Lgth.(Pi)	O.D.	Wall	O.D.		Wall	Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W1		
IS0161094L037.5-000	1	II-A	7	37'-9"	5'-11 1/2"	1	6	32' 0"	5' 1 1/2"	6 1/2"	5/16"	3'	5/16"	3 3/8"	6	1"	3/8"	1/4"	11"	14 1/2"
IS0161094L066.0-000	2	I-A	7	35'-3 1/4"	4'-9 1/4"	0	-	-	-	5'	1/4"	2 1/2"	1/4"	1 3/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
IS0161094R065.7-000	3	I-A	7	35'-8 1/2"	4'-10"	0	-	-	-	5'	1/4"	2 1/2"	1/4"	1 3/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
IS0221290L000.0-001	4	I-A	7	34'-3"	4'-7 1/2"	1	6	29' 0"	4' 7 1/2"	5 1/2"	5/16"	2 1/2"	5/16"	3"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
IS0221055L274.8-000	5	I-A	6	30'-10 1/2"	4'-10"	0	-	-	-	5'	1/4"	2 1/2"	1/4"	1 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
IS0161290L023.0-000	6	I-A	5	26'-5 1/2"	4'-11"	1	6	30' 9"	4' 11"	5'	5/16"	2 1/2"	5/16"	2 3/8"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
IS0161094L041.5-000	7	I-A	7	35'-8 1/2"	4'-10"	1	6	30' 3"	4' 10"	5 1/2"	5/16"	2 1/2"	5/16"	3 1/4"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
IS0161094L034.6-000	8	I-A	7	35'-3 1/4"	4'-9 1/4"	1	6	29' 10 1/2"	4' 9 1/4"	5 1/2"	5/16"	2 1/2"	5/16"	3 1/4"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
IS0161094L030.0-000	9	III-A	5	27'-8 1/2"	5'-2"	1	6	32' 3"	5' 2"	7"	5/16"	3 1/4"	5/16"	1"	6	1"	7/16"	5/16"	11 1/2"	15"
IS016U041R000.0-000	10	I-A	6	30'-9"	4'-9 3/4"	1	6	30' 1 1/2"	4' 9 3/4"	5'	5/16"	2 1/2"	5/16"	2 3/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
IS0161094L030.3-000	11	II-A	7	37'-0 1/4"	5'-0 1/4"	1	6	31' 4 1/2"	5' 0 1/4"	6 1/2"	5/16"	3'	5/16"	3 3/8"	6	1"	3/8"	1/4"	11"	14 1/2"
IS0161057L345.0-000	12	II-A	8	39'-0 1/2"	4'-7 3/4"	1	8	38' 5"	4' 7 3/4"	7"	5/16"	3'	5/16"	3 3/8"	6	1"	3/8"	1/4"	11 1/2"	15"
IS0221290L014.3-000	13	I-A	7	32'-9 1/2"	4'-5"	0	-	-	-	5'	1/4"	2 1/2"	1/4"	1 1/2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



SECTION B-B

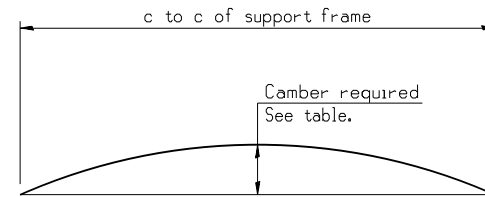
① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be 'match marked' to insure proper field assembly.

High Strength bolts with locknuts or (if members interfere) threaded studs with 2 locknuts. Use stainless steel washers under head and nut. See table.



ISOMETRIC VIEW TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

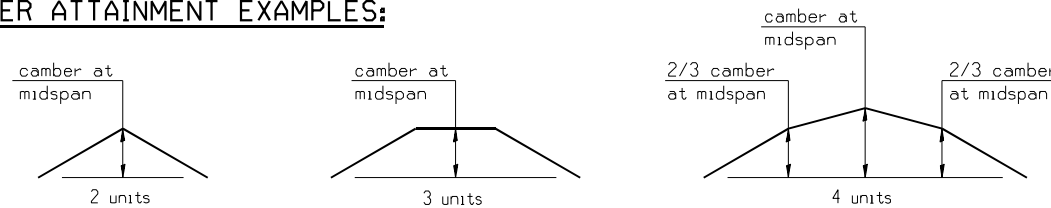
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



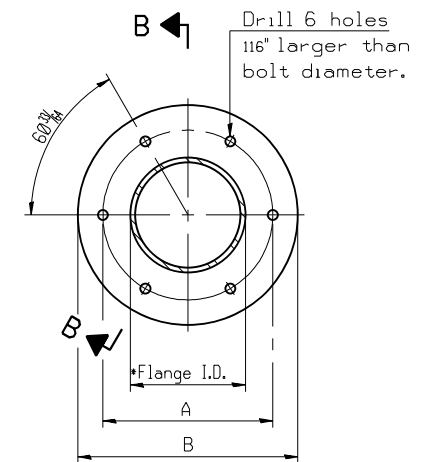
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

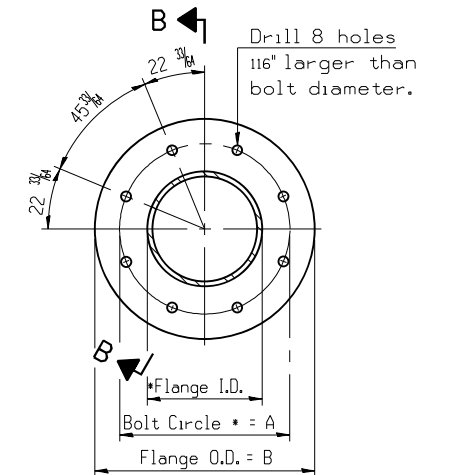
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A
SPLICING FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

MODEL: D:\p\aut\... PROJECT: ... CONTRACT: ...

OS4-A-2

2-17-2017

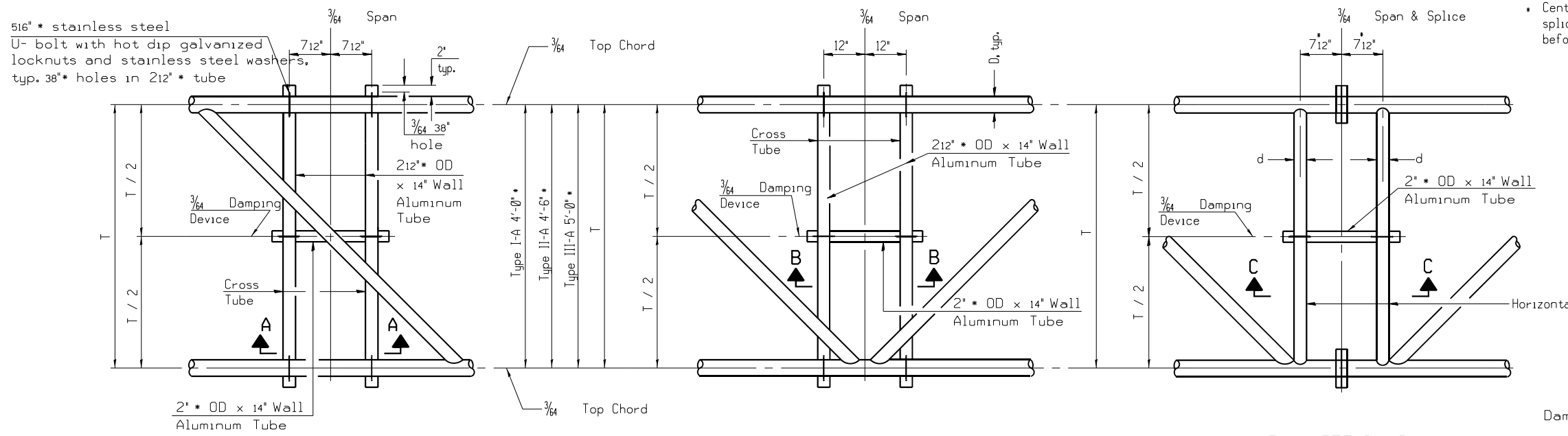
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DRAWN -	REVISED -	
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PLOT DATE = 9/29/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10VH SIN STR REPL 20-27	VARIOUS	119	37
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



• Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL 'A'
3/64" Span between Panel Points

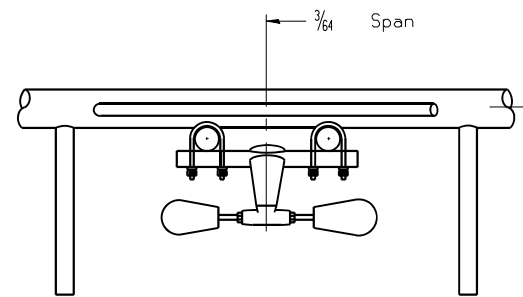
PLAN DETAIL 'B'
3/64" Span at Panel Point

PLAN DETAIL 'C'
3/64" Span at 3/64" Chord Splice

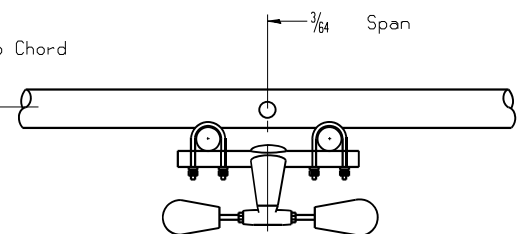
NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

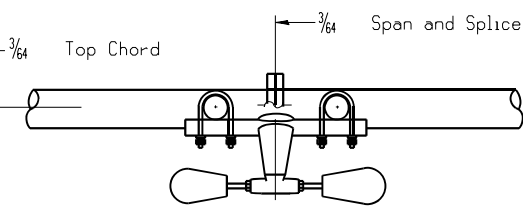
Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



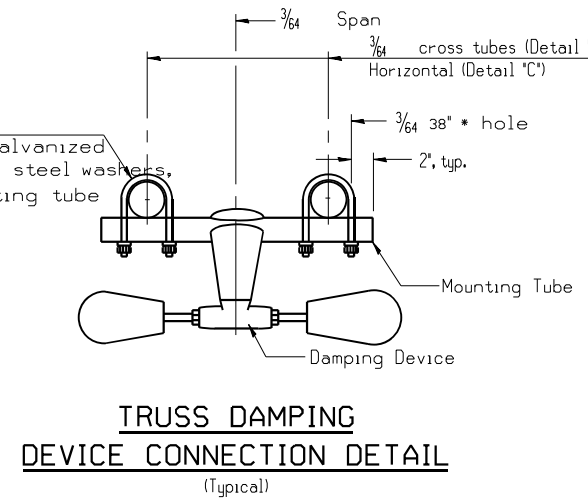
SECTION A-A



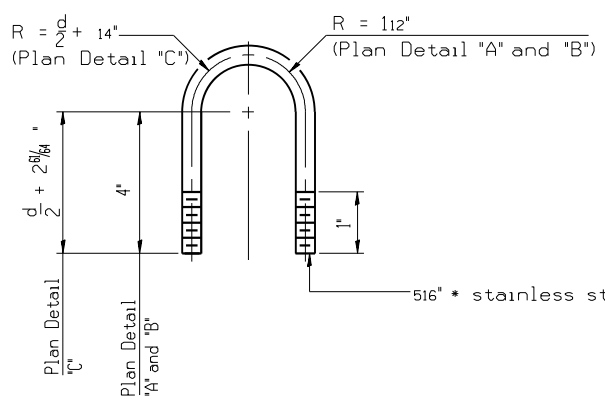
SECTION B-B



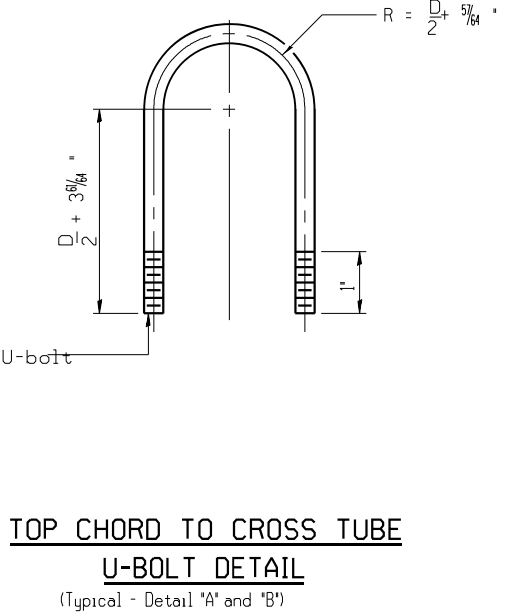
SECTION C-C



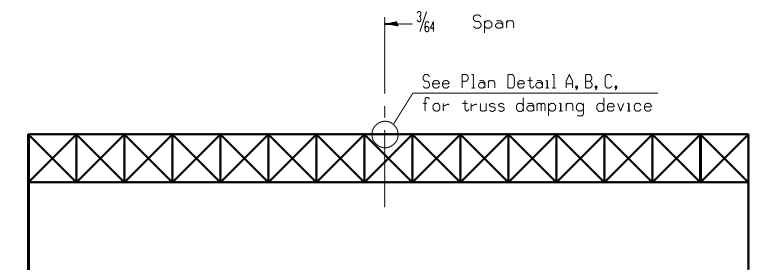
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail 'A' and 'B')



ELEVATION
Aluminum Overhead Sign Truss

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWN: ...
 CHECKED: ...
 DATE: ...

OS-A-D

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
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	DATE -	REVISED -

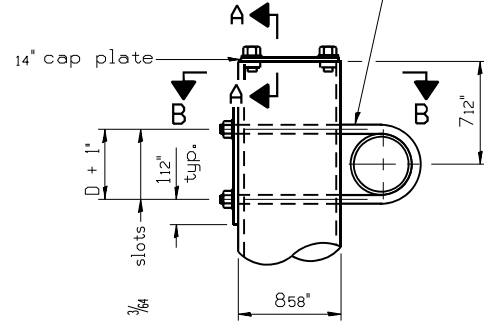
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURE
DAMPING DEVICE**

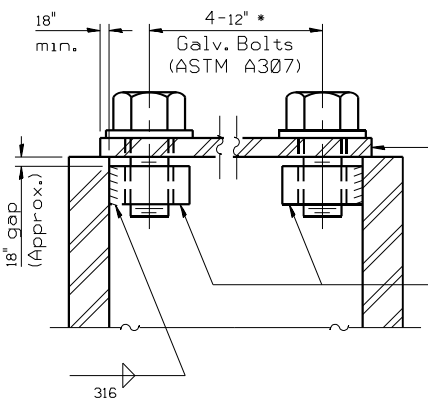
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10VH SIN STR REPL 20-27	VARIOUS	119	38
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

3/4" stainless steel U-bolt.
Provide two washers and two hexagon locknuts.
13/16" x 2" slots on 3/4" 8" pipe.
(4 slots required per pipe)

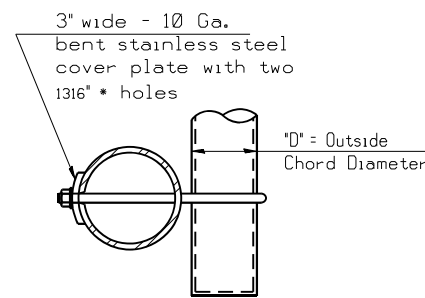


DETAIL A

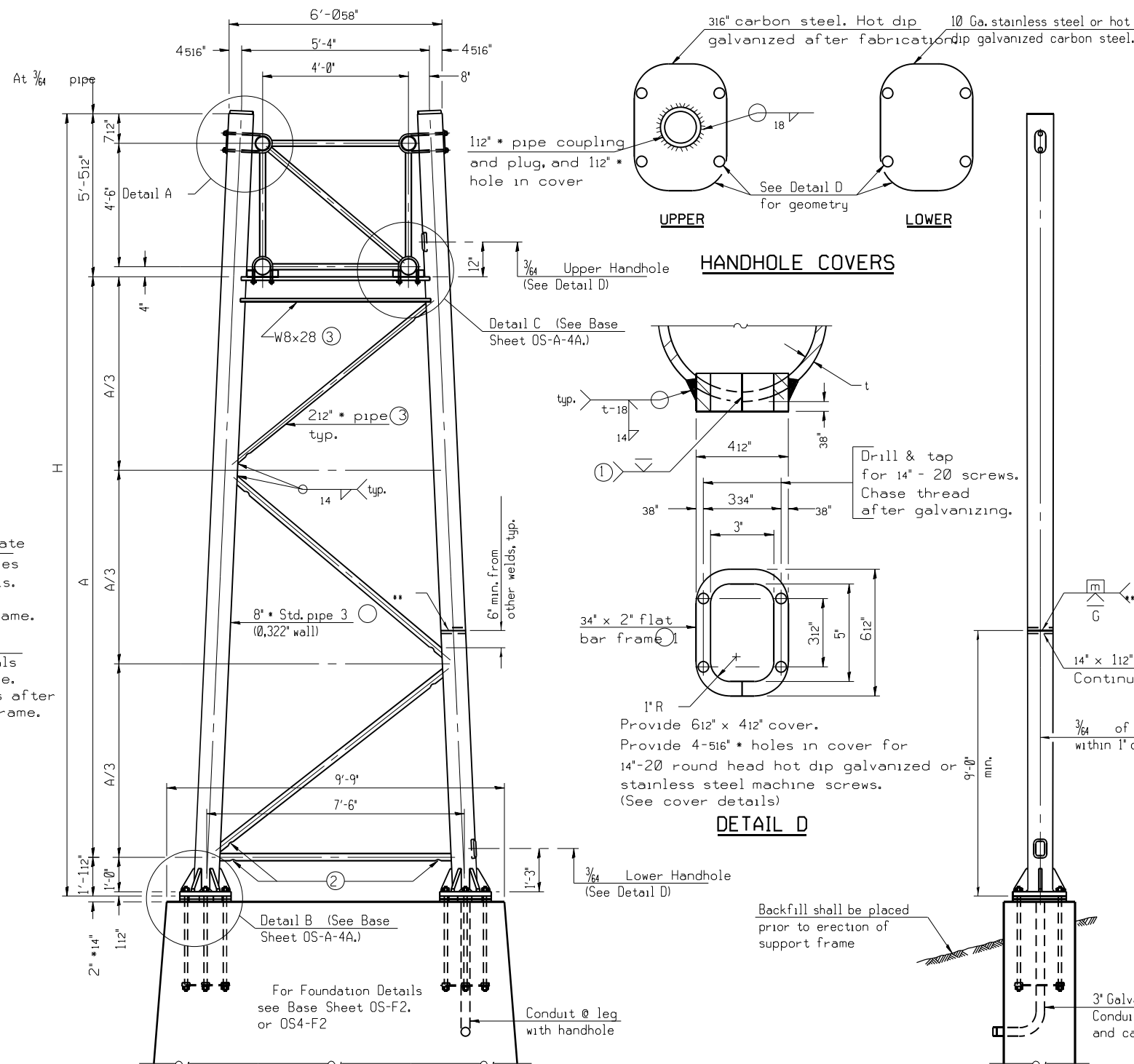


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

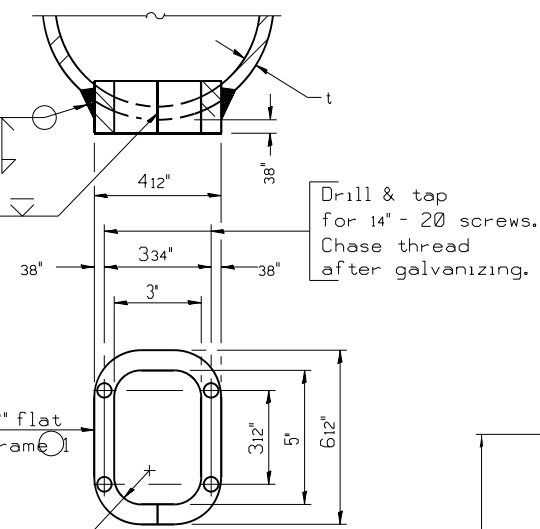


SECTION B-B



SIDE ELEVATION

HANDHOLE COVERS



DETAIL D

END ELEVATION

Support Design Loads: See Base Sheet OS-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^{1/4} in 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.

8" PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Location	Support		H ⑥	A
		Left	Right		
IS0161094L066.0-000	2	X		26' 2"	19' 7 1/4"
IS0161094L066.0-000	2		X	26' 2 1/4"	19' 7 1/2"
IS0161094R065.7-000	3	X		27' 0 3/4"	20' 5 3/8"
IS0161094R065.7-000	3		X	27' 0"	20' 5 1/4"
IS0221290L014.3-000	13	X		26' 9 1/4"	20' 3 1/4"
IS0221290L014.3-000	13		X	26' 5 1/4"	19' 10 1/2"

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 CONTRACT: ...
 SHEET: ...

OS-A-4

2-17-2017

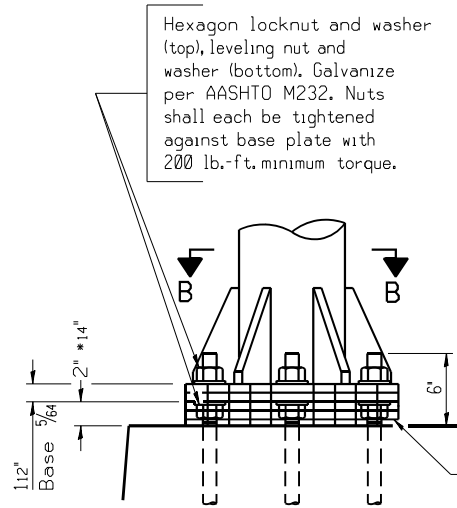
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PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS**

SCALE: SHEET OF SHEETS STA. TO STA.

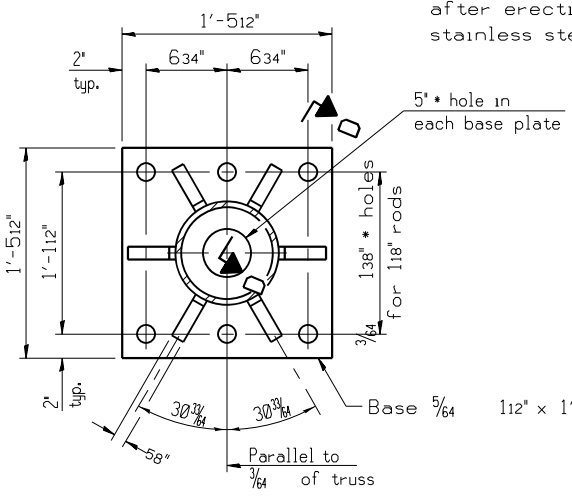
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	39
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



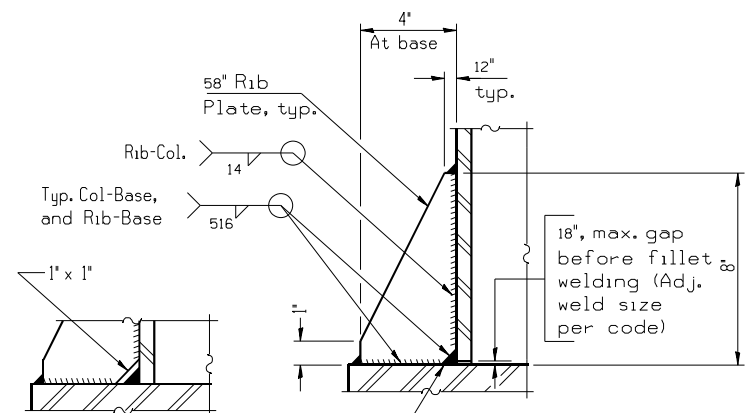
DETAIL B

Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 14" maximum opening with a minimum wire diameter of AWG, No. 16 with a minimum 2" lap. Secure to base plate after erection with 34" stainless steel banding.

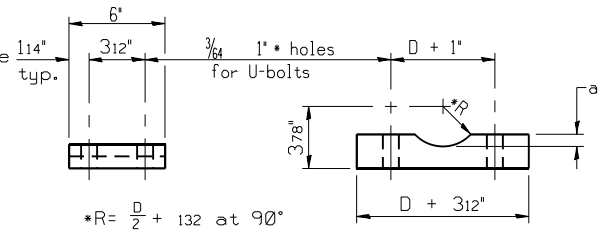


SECTION B-B



SECTION D-D

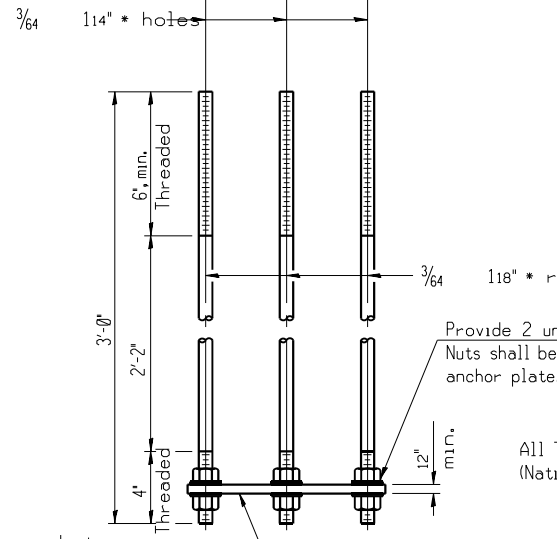
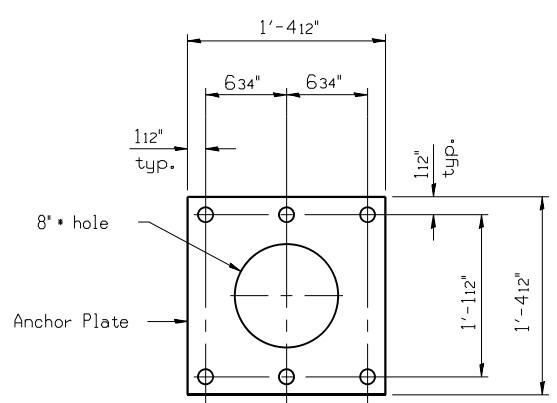
Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 14" from snip. No snip req'd. at rib inside corner if placed before col. to base plate welding.



SADDLE SHIM DETAIL

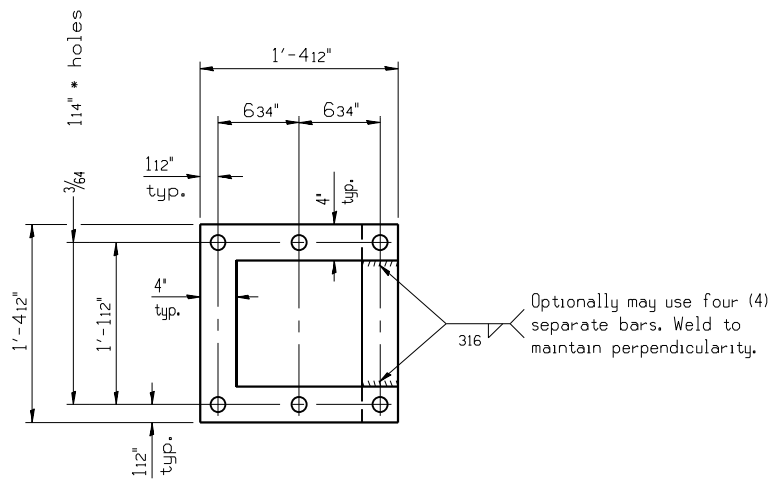
ASTM B26 Alloy 356-F or ASTM B209 Alloy 6061-T651 (4 required per sign truss)

Truss Chord Nominal Dia.	ø
5"	34"
5 1/2"	1316"
6"	78"
6 1/2"	1516"

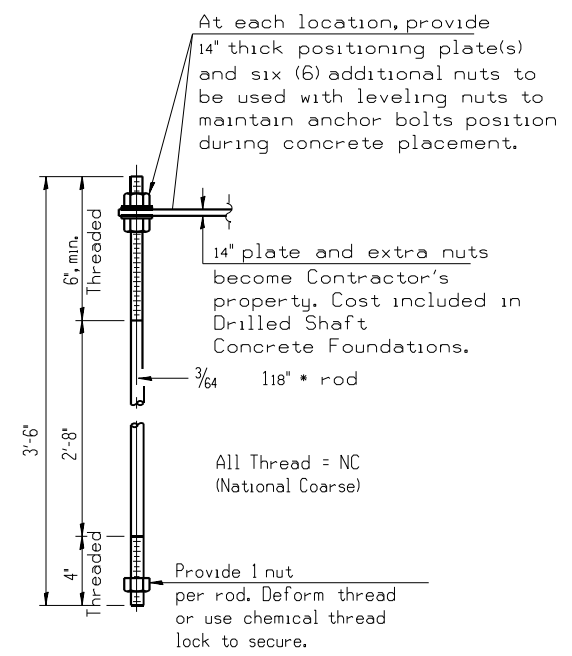


ANCHOR ROD DETAIL
Spread Footing Foundation

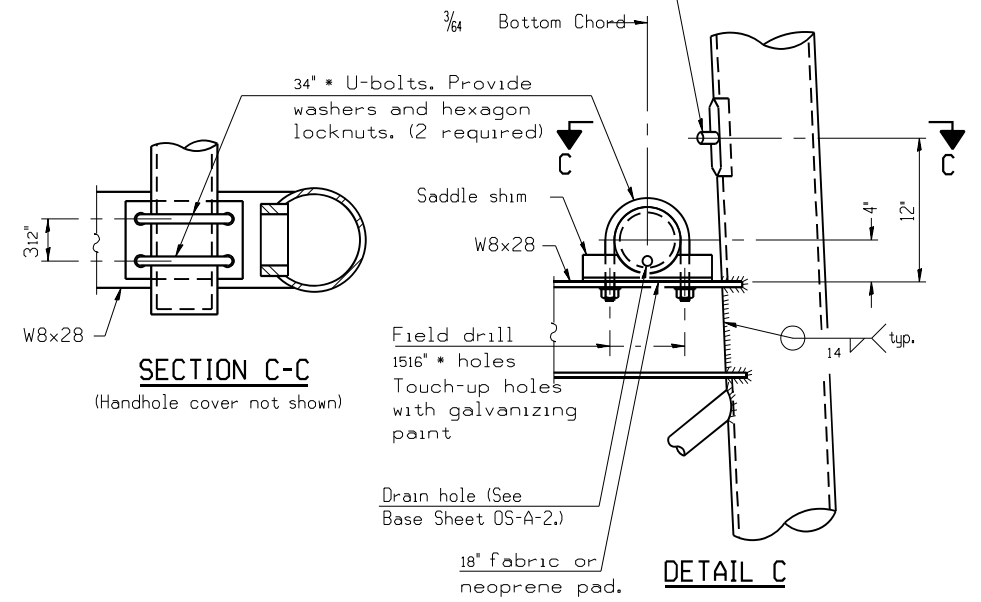
Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12' minimum per AASHTO M232. No welding shall be permitted on rods.



POSITIONING PLATE(S)



ANCHOR ROD DETAIL
Drilled Shaft Foundation



SECTION C-C
(Handhole cover not shown)

DETAIL C

TYPE I-A TRUSS
8" PIPE SUPPORT FRAME DETAILS

MODEL: D:\p\aut\... PROJECT: ... CONTRACT: ...

OS-A-4A

2-17-2017

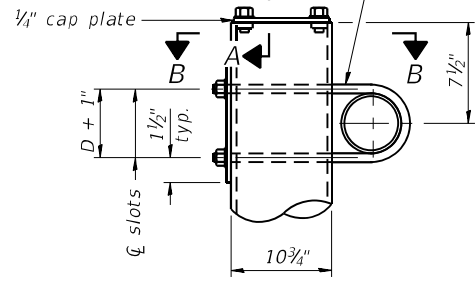
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PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

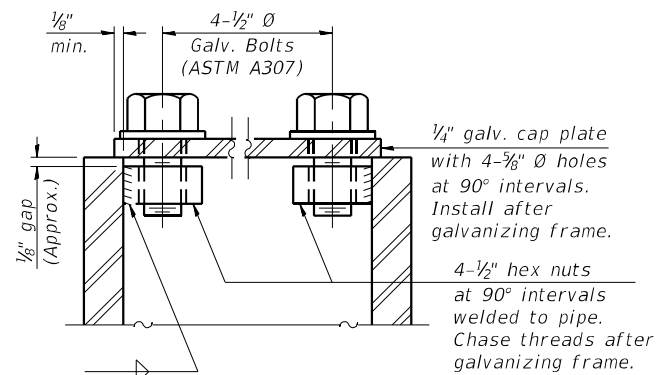
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-10VH SIN STR REPL 20-27	VARIOUS	119	40
CONTRACT NO. 46539			
ILLINOIS FED. AID PROJECT			

3/4" Ø stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
1 3/16" x 2" slots on 10" Ø pipe.
(4 slots required per pipe)

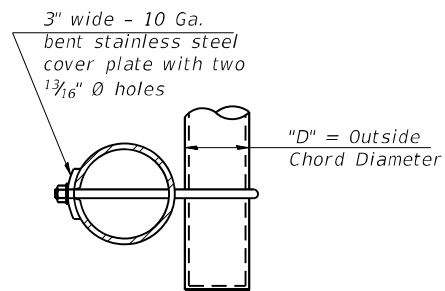


DETAIL A

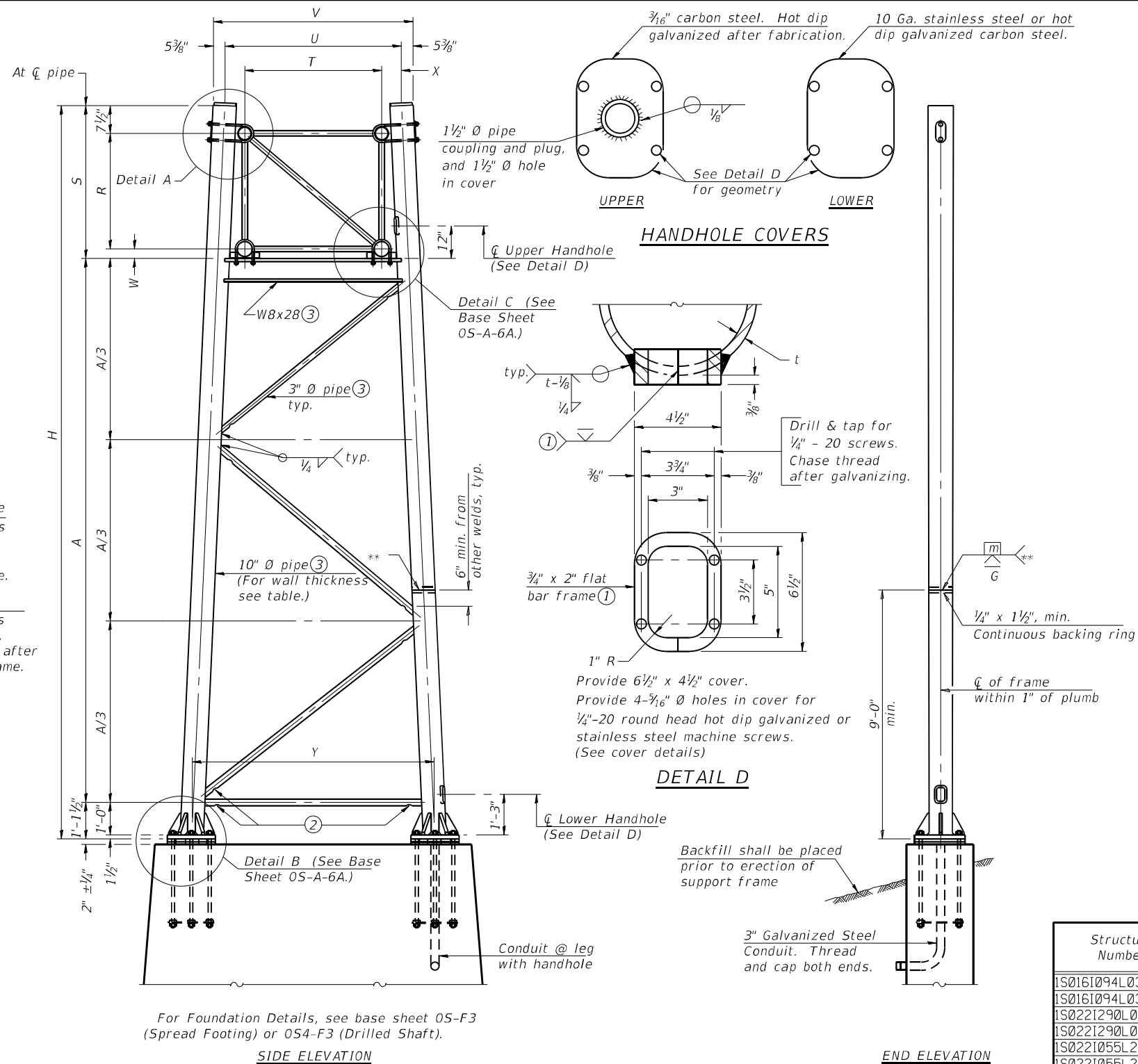


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

END ELEVATION

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
II-A (5)	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

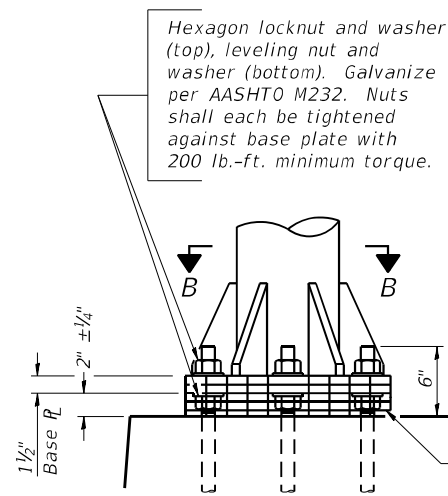
** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Support Design Loads: See Base Sheet OS-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

- 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 500µ in or less.
- 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.
- 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.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Location	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
IS0161094L037.5-000	1	X		II-A	0.365	28' 3 3/8"	20' 10 3/8"
IS0161094L037.5-000	1		X	II-A	0.365	26' 5 3/8"	19' 0 3/8"
IS0221290L000.0-001	4	X		I-A	0.279	27' 9 7/8"	21' 3 3/8"
IS0221290L000.0-001	4		X	I-A	0.279	25' 9"	19' 2 1/4"
IS0221055L274.8-000	5	X		I-A	0.279	28' 3 3/8"	21' 9 1/8"
IS0221055L274.8-000	5		X	I-A	0.279	28' 3 3/8"	21' 9 1/8"
IS0161290L023.0-000	6	X		I-A	0.279	26' 10 3/8"	20' 4"
IS0161290L023.0-000	6		X	I-A	0.279	26' 10 3/8"	20' 4"
IS0161290L041.5-000	7	X		I-A	0.365	27' 0 3/8"	20' 5 1/8"
IS0161290L041.5-000	7		X	I-A	0.365	35' 6"	28' 11 1/4"
IS0161094L034.6-000	8	X		I-A	0.279	26' 2 1/4"	19' 7 1/2"
IS0161094L034.6-000	8		X	I-A	0.279	26' 11 1/8"	20' 5 1/8"
IS016U041R000.0-000	10	X		I-A	0.279	26' 4 1/4"	19' 9 1/2"
IS016U041R000.0-000	10		X	I-A	0.279	30' 6 3/4"	24' 0"
IS0161041L030.3-000	11	X		II-A	0.365	28' 0 1/2"	20' 7 3/8"
IS0161041L030.3-000	11		X	II-A	0.365	28' 11 1/8"	21' 7 1/8"
IS0161057L345.0-000	12	X		II-A	0.365	30' 6 3/8"	23' 1 1/2"
IS0161057L345.0-000	12		X	II-A	0.365	30' 5 3/8"	23' 0 3/8"

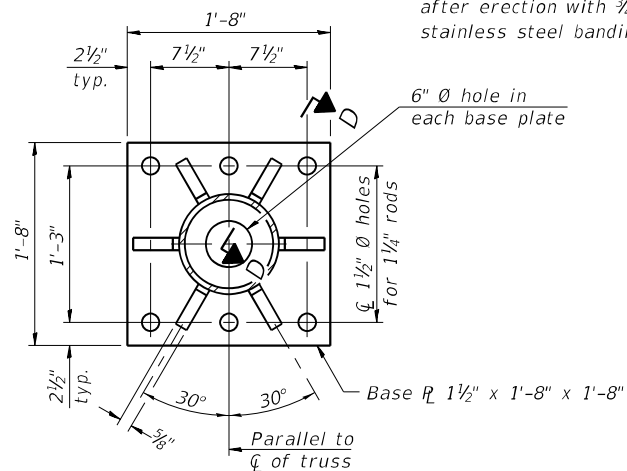
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PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -



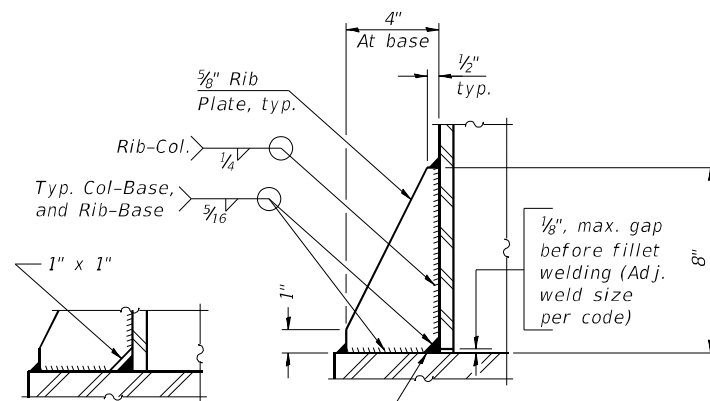
DETAIL B

Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.



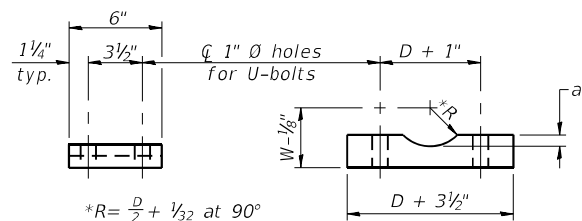
SECTION B-B



SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

1/8" max. gap before fillet welding (Adj. weld size per code)

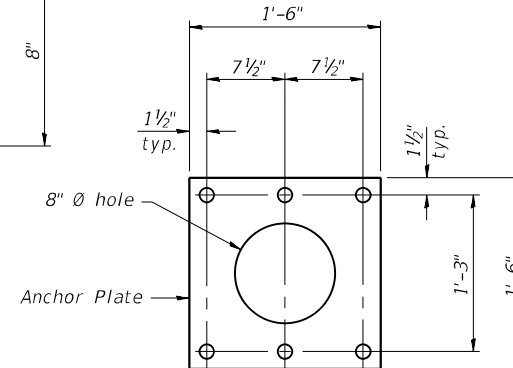


*R = $\frac{D}{2} + \frac{1}{2}$ at 90°
D = Outside Diameter of Chord.
For W, see Base Sheet 05-A-6.

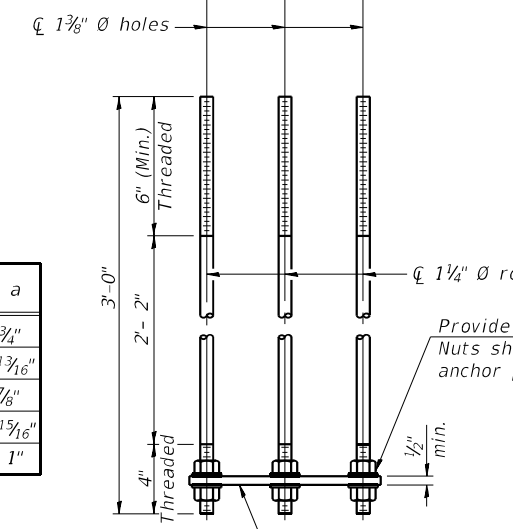
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	1 3/16"
6"	7/8"
6 1/2"	1 5/16"
7"	1"



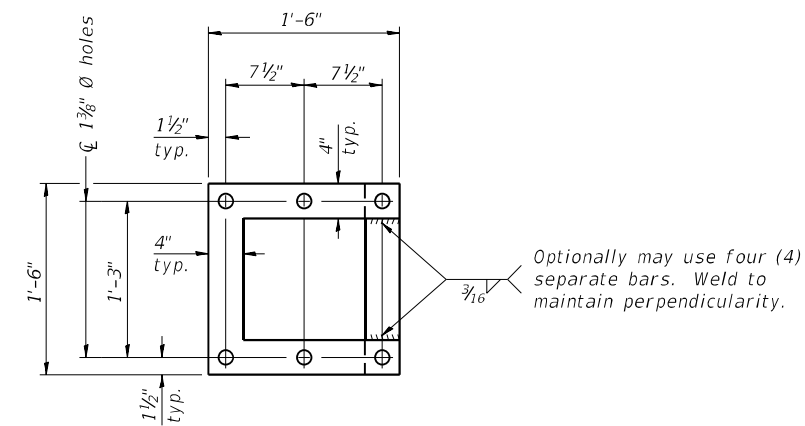
Anchor Plate



ANCHOR ROD DETAIL
Spread Footing Foundation

Provide 2 uncoated nuts per rod. Nuts shall be "snug tight" against anchor plate.

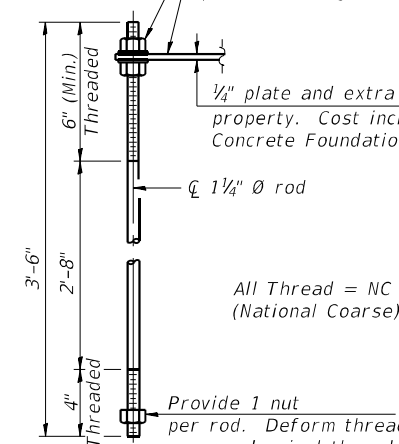
All Thread = NC (National Coarse)



POSITIONING PLATE(S)

Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



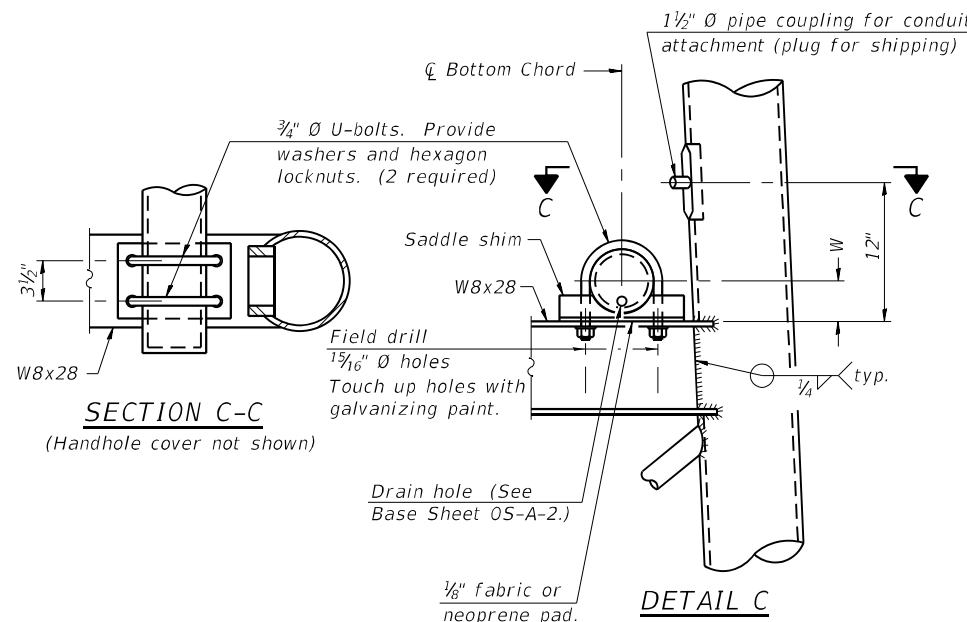
ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

10" Ø PIPE SUPPORT FRAME DETAILS



SECTION C-C
(Handhole cover not shown)

DETAIL C

05-A-6A

2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

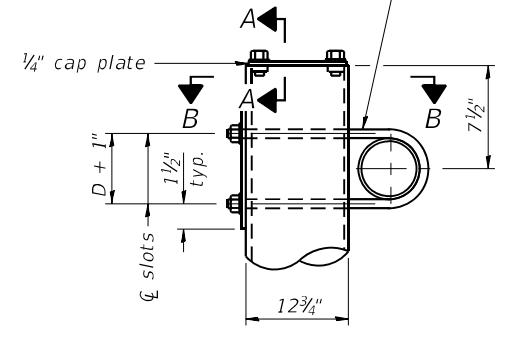
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

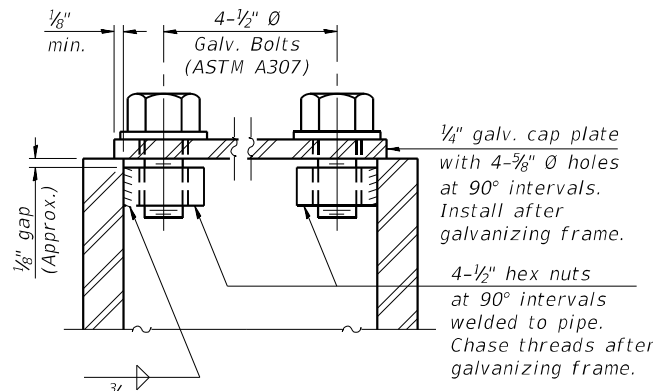
SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10WH SIN STR REPL 20-27	VARIOUS	119	42
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

3/4" Ø stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
1 3/16" x 2" slots on 12" Ø pipe.
(4 slots required per pipe)

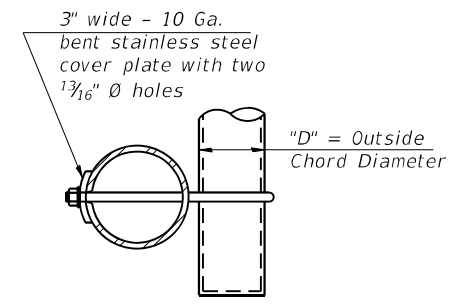


DETAIL A

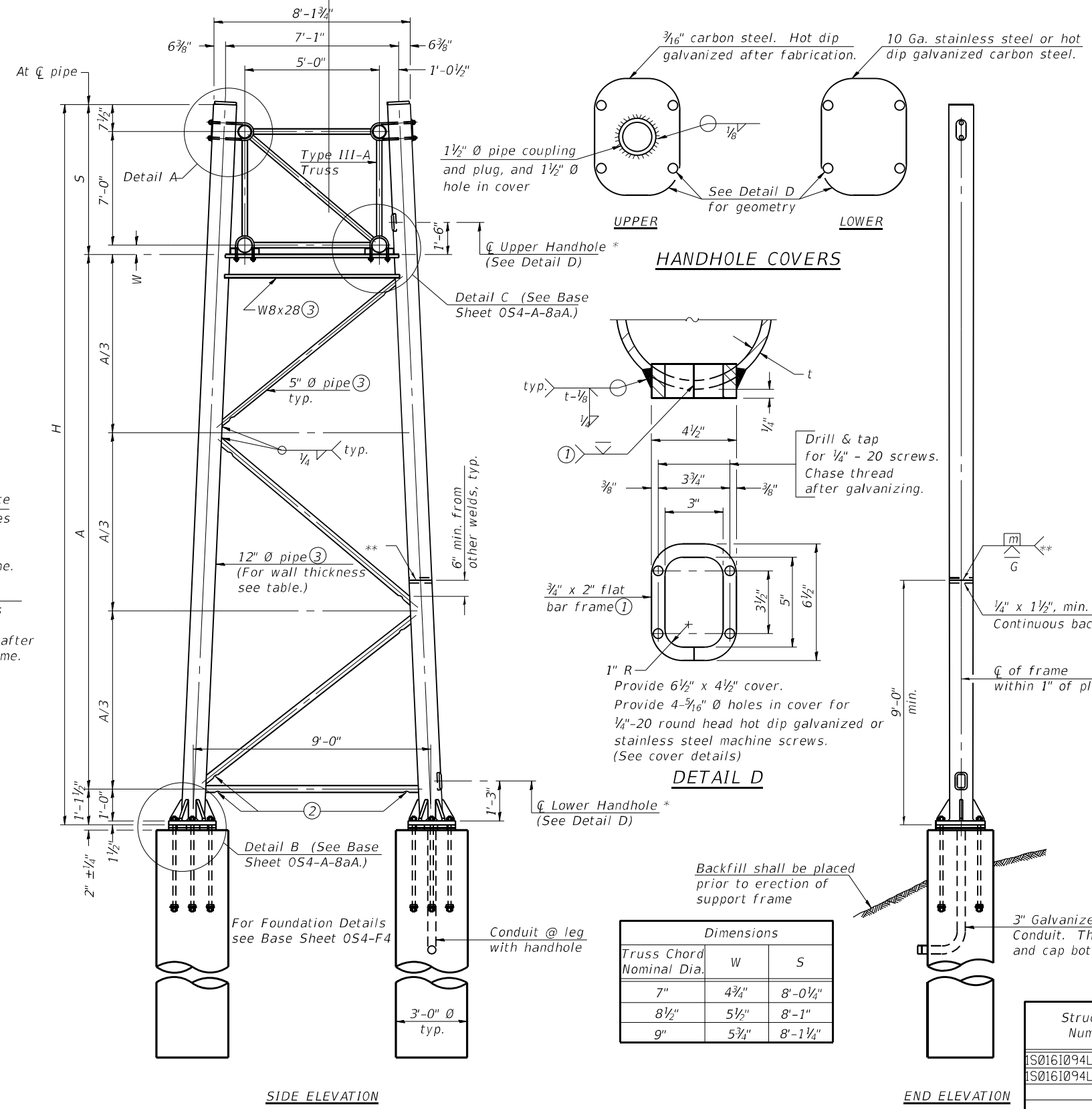


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



SIDE ELEVATION

END ELEVATION

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

TRUSS SUPPORT DETAILS

(12" Ø Pipe-Type III-A Truss)

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Support Design Loads: See Base Sheet 05-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

- 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.
- 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.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 05-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- "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.

Structure Number	Location	Support		Pipe Wall Thickness	H (6)	A
		Left	Right			
150161094L030.0-000	9	X		0.33	30' 6 3/4"	21' 4 1/8"
150161094L030.0-000	9		X	0.33	33' 10 3/8"	24' 8 7/8"

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 PROJECT: ...
 DATE: 9/29/2021

054-A-8a

2-17-2017

USER NAME	DESIGNED	REVISIONS
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	DRAWN	REVIS
	CHECKED	REVIS
	DATE	REVIS

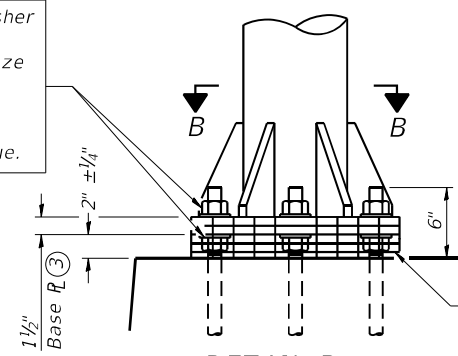
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - SUPPORT FRAME
FOR TYPE III-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

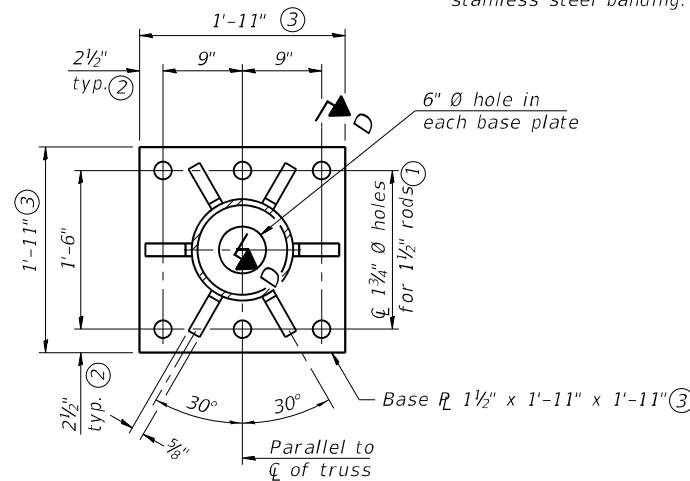
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10VH SIN STR REPL 20-27	VARIOUS	119	43
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.

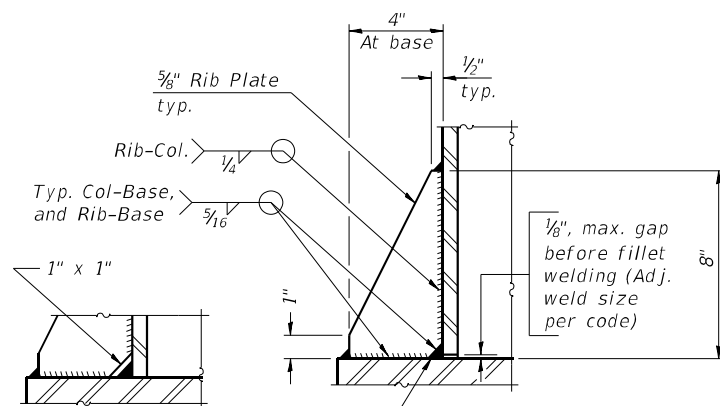


DETAIL B
Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.

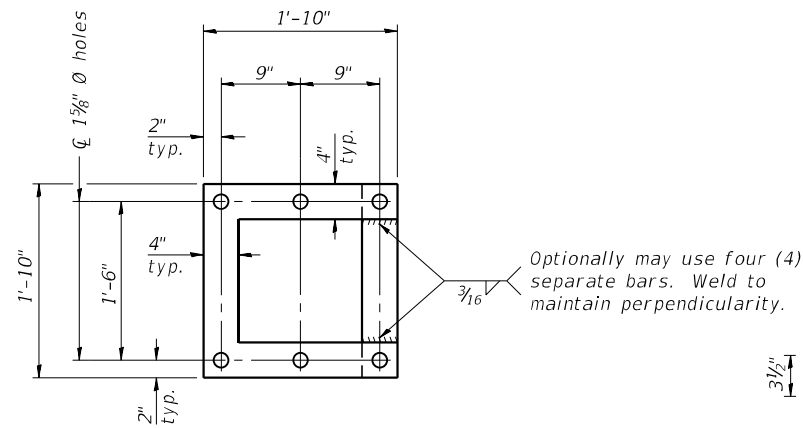


SECTION B-B



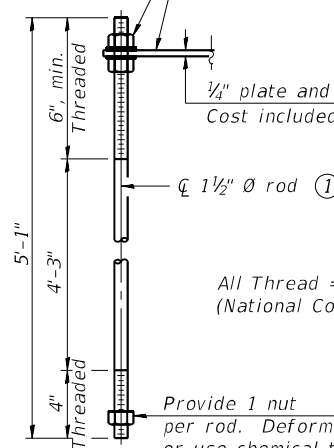
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D



POSITIONING PLATE(S)

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



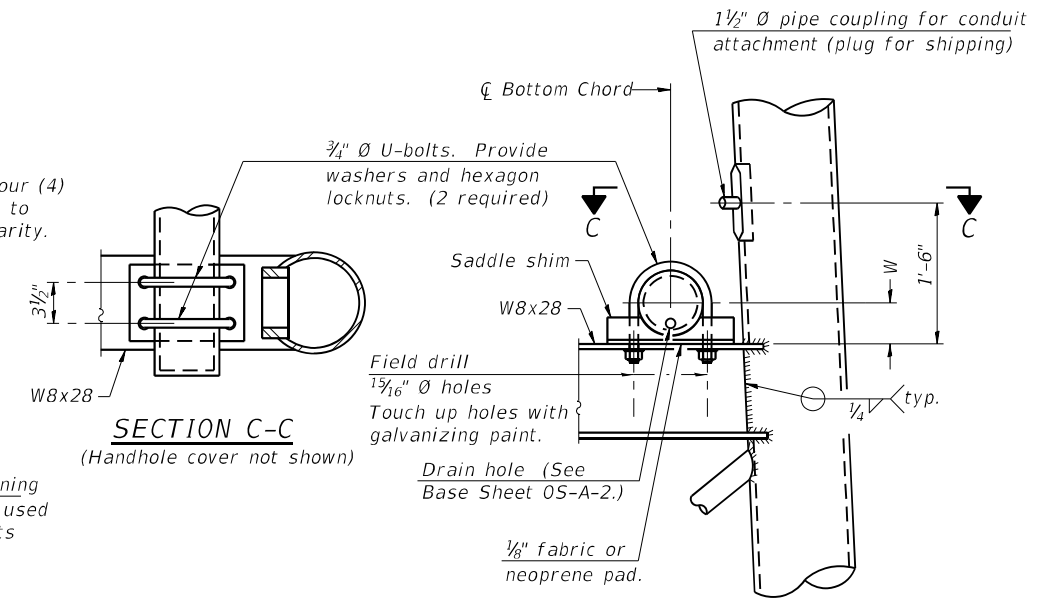
ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

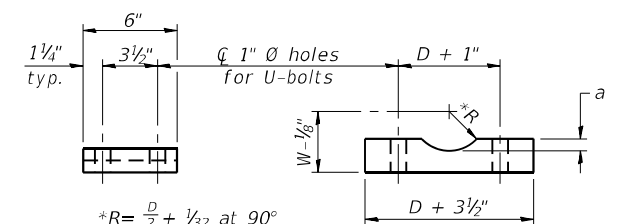
**TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS**

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

- ① 1 3/4" Ø rod, 2" Ø holes
- ② 2 3/4" edge distance
- ③ Base PL 1 3/8" x 1'-11 1/2" x 1'-11 1/2"



DETAIL C



Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

SADDLE SHIM DETAIL
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

0S4-A-8aA

2-17-2017

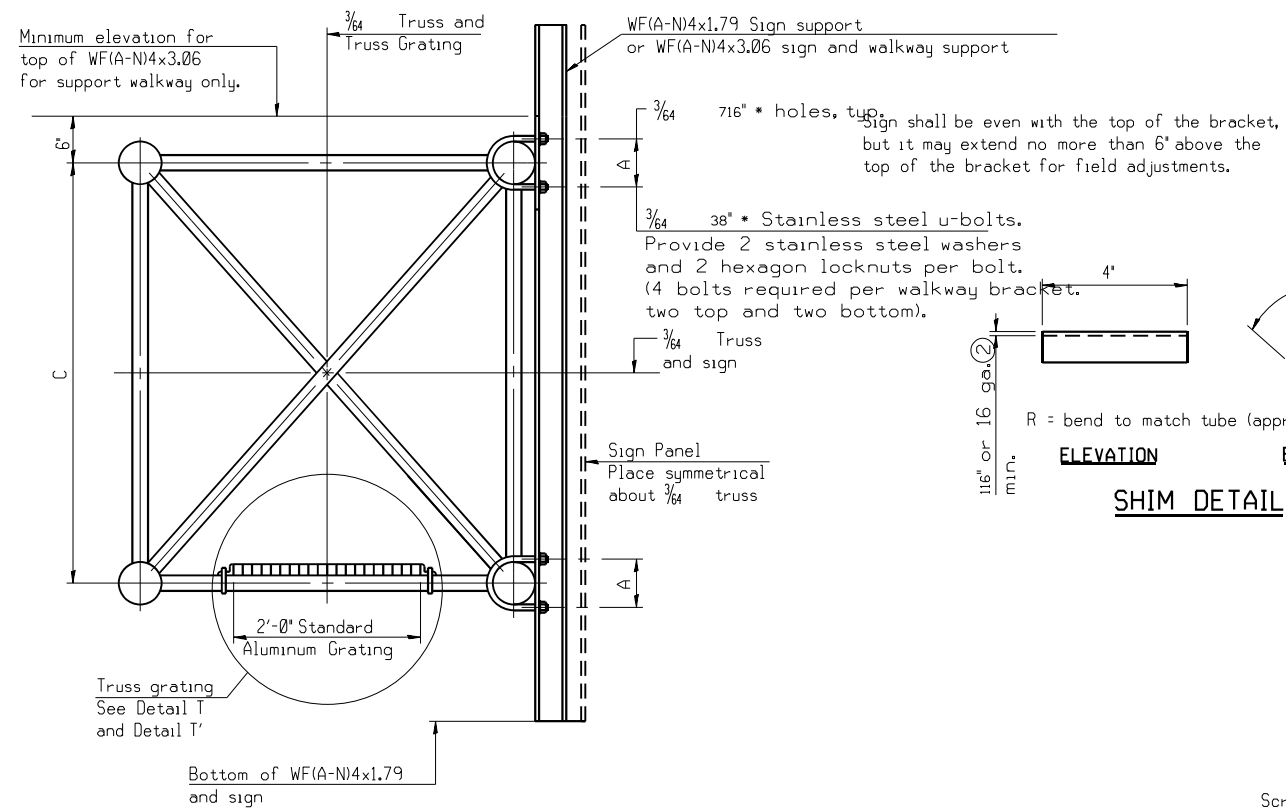
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PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

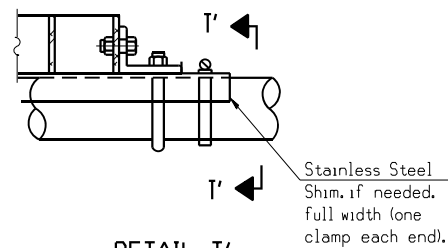
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

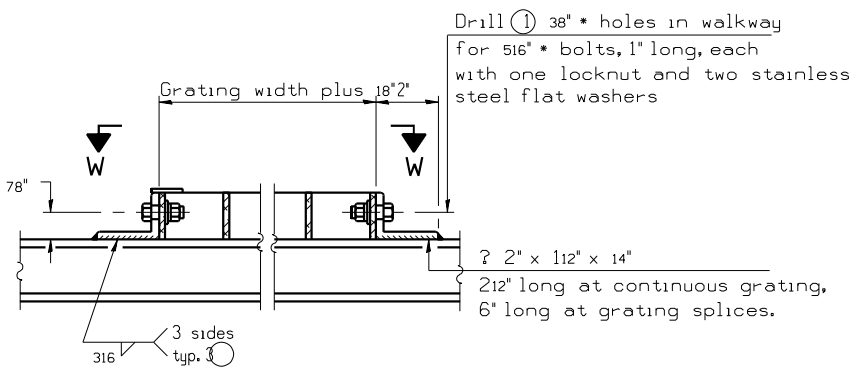


SECTION B-B



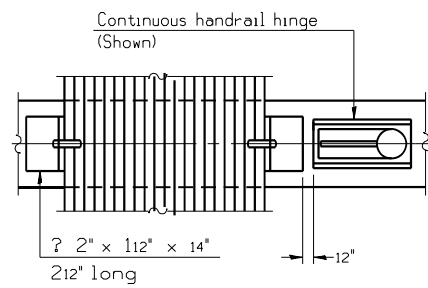
DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

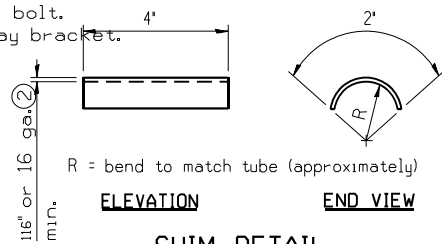


DETAIL W

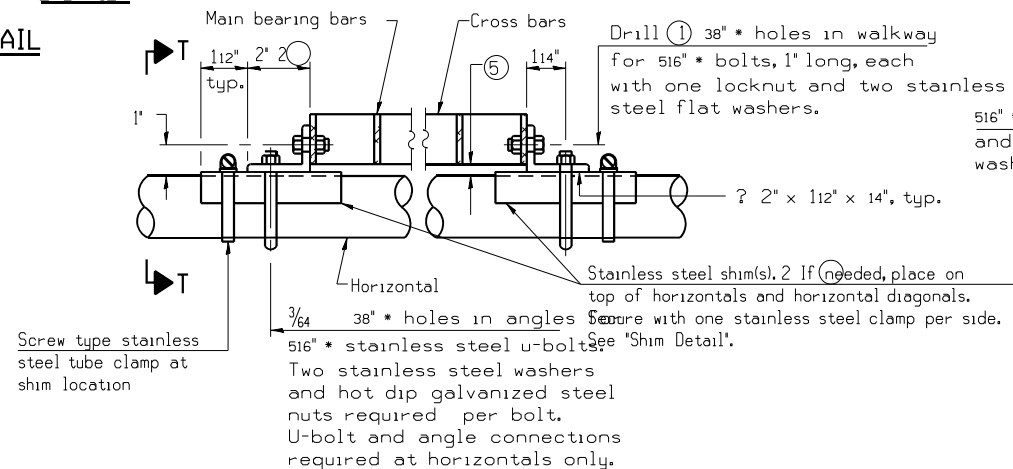
(Walkway grating)



SECTION W-W

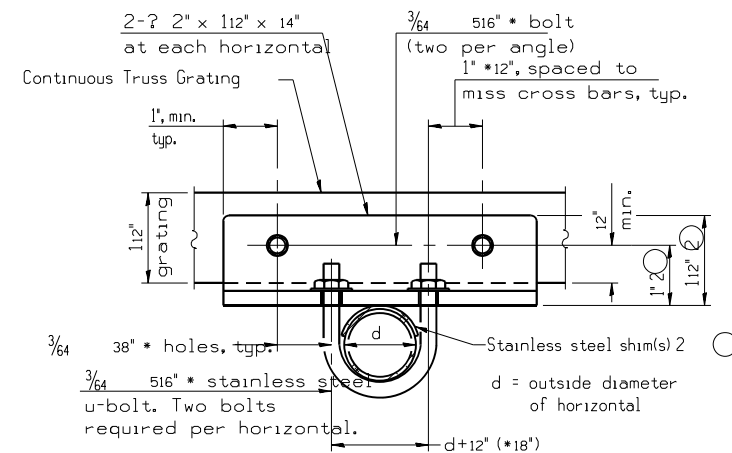


SHIM DETAIL

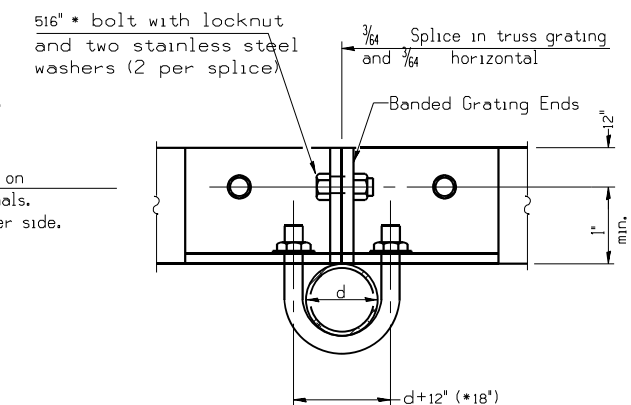


DETAIL T

(Continuous Truss grating)



SECTION T-T



SECTION T'-T'

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 316" x 112" on 1316" centers and conform to ASTM B221 Alloy 6061-T6.

Cross bars shall be 316" x 112" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified 't' sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³/_{ft} per bar, a depth of 112", spaced on 1316" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Location	A	⑥ B	C	⑥ D
IS0161094L037.5-000	1	7"	-	4'-0"	-
IS0161094L066.0-000	2	5 1/2"	-	4'-6"	-
IS0161094R065.7-000	3	5 1/2"	-	4'-6"	-
IS0221290L000.0-001	4	6"	-	4'-6"	-
IS0221055L274.8-000	5	5 1/2"	-	4'-6"	-
IS0161290L023.0-000	6	5"	-	4'-6"	-
IS0161094L041.5-000	7	6"	-	4'-6"	-
IS0161094L034.6-000	8	7"	-	4'-6"	-
IS0161094L030.0-000	9	7 1/2"	-	7'-0"	-
IS016U041R000.0-000	10	5 1/2"	-	4'-6"	-
IS0161094L030.3-000	11	7"	-	5'-3"	-
IS0161057L345.0-000	12	7 1/2"	-	5'-3"	-
IS0221290L014.3-000	13	5 1/2"	-	4'-6"	-

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 14" extension bars. (See Base Sheet OS-A-11.)
- ④ 5/64 18" x 12" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 12", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual height of tallest sign given on OS-A-1.
- ⑦ External walkway, handrail, and horizontal bracket not required.

OS-A-10 2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	46
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

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BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	16	#9	F less 5'	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

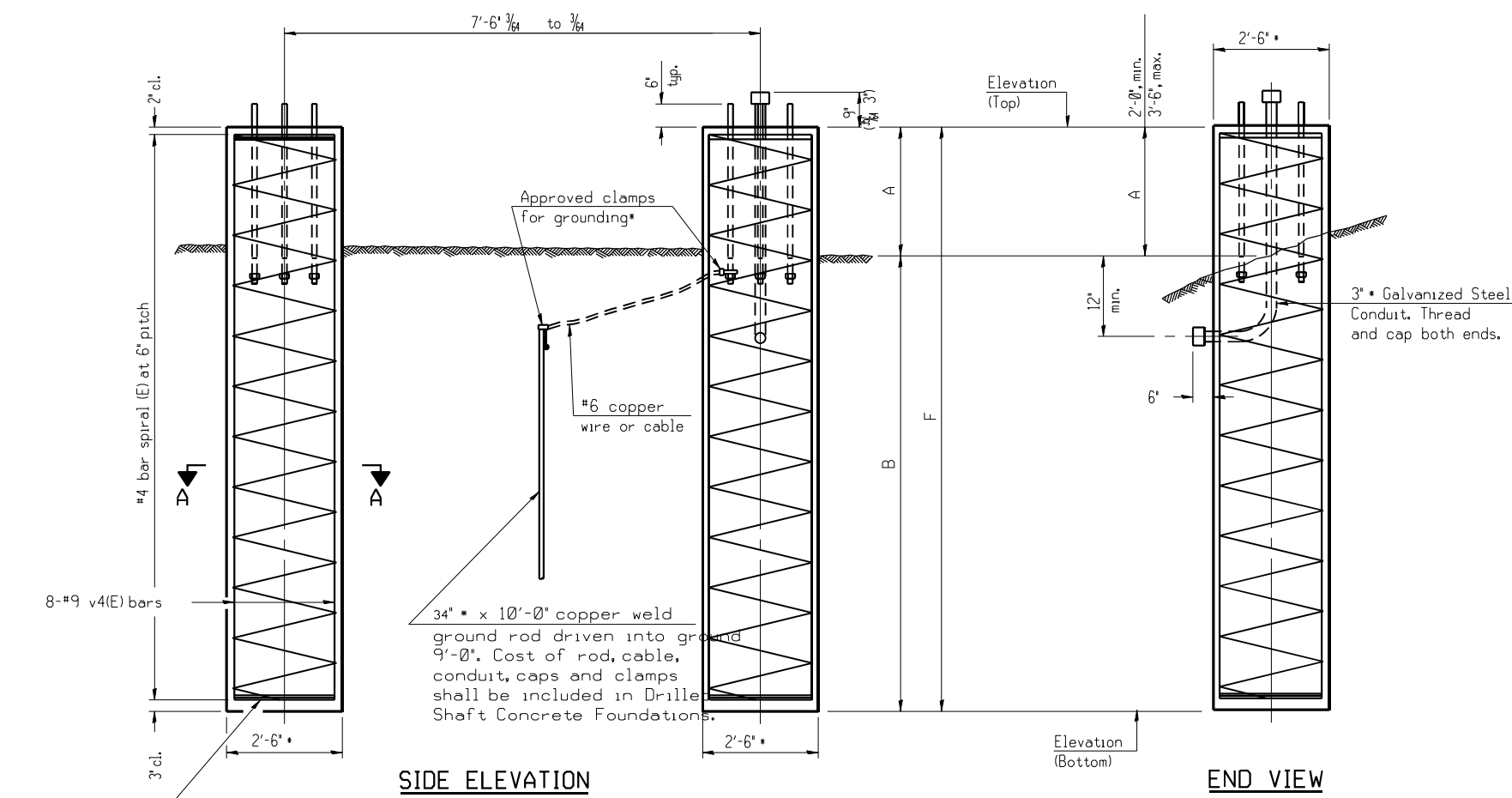
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included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

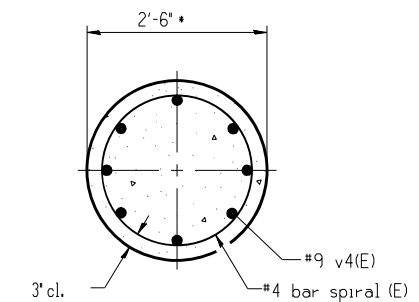
Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

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.

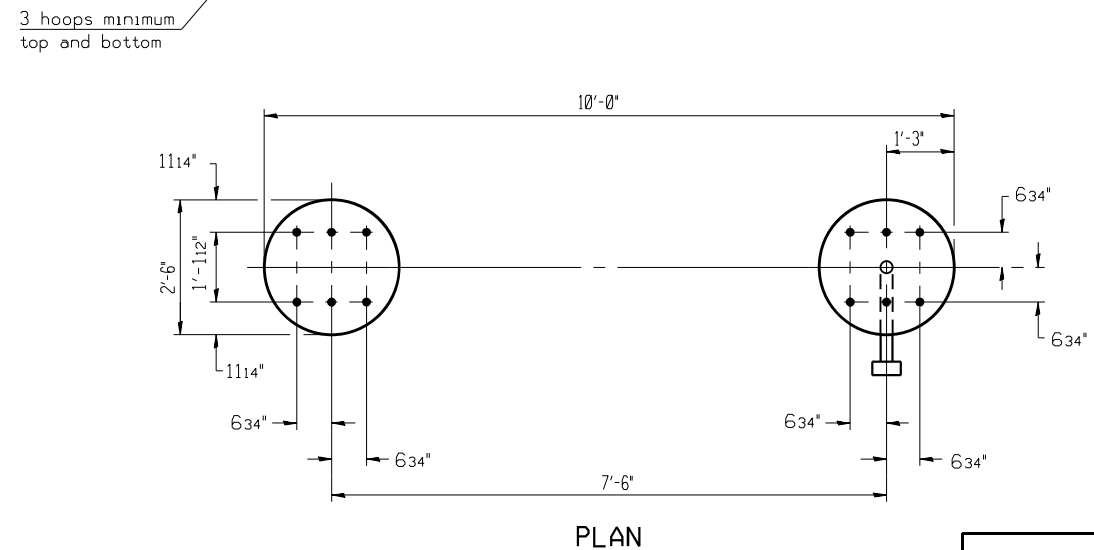


SIDE ELEVATION

END VIEW



SECTION A-A



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 8" * SUPPORT FRAME TYPE I-A TRUSS

Structure Number	Location	Left Foundation			Right Foundation			Class DS Concrete (Cu. Yds.)		
		Elevation Top	Elevation Bottom	F	Elevation Top	Elevation Bottom	F			
1S0221290L014.3-000	13	-	-	-	687.30'	670.30'	3'-6"	13'-6"	17'-0"	6.2 CY

MODEL: D:\p\aut\...
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 PROJECT: ...
 CONTRACT: ...
 SHEET: ...

OS4-F2

2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	47
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	16	#9	F less 5'	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

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 result of site specific designs.

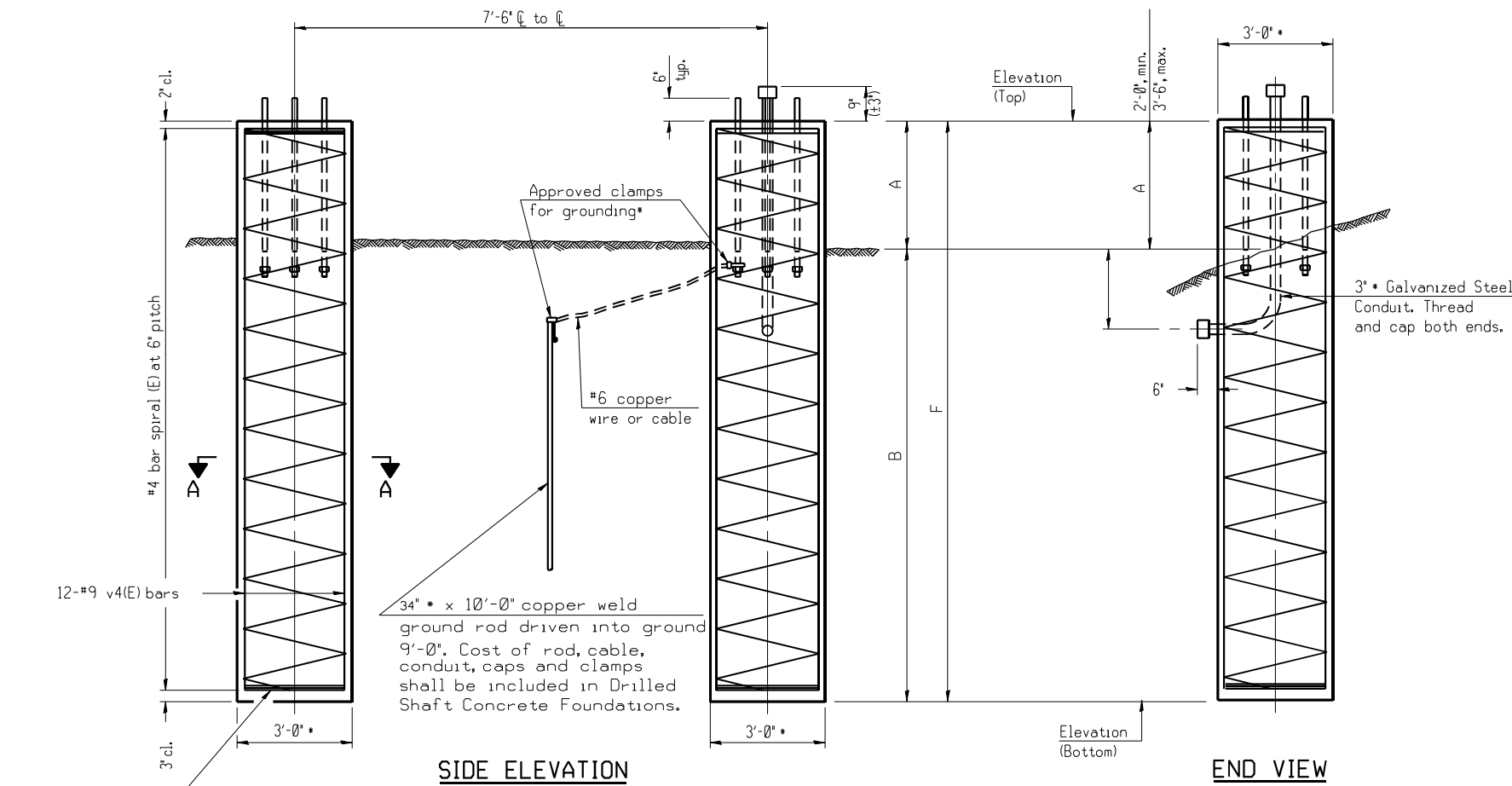
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District 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.

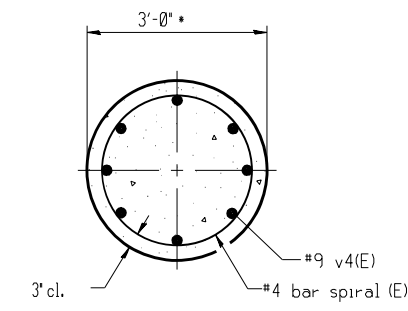
A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



3 hoops minimum top and bottom

34" x 10'-0" copper weld ground rod driven into ground 9'-0". Cost of rod, cable, conduit, caps and clamps shall be included in Drilled Shaft Concrete Foundations.

3" Galvanized Steel Conduit. Thread and cap both ends.

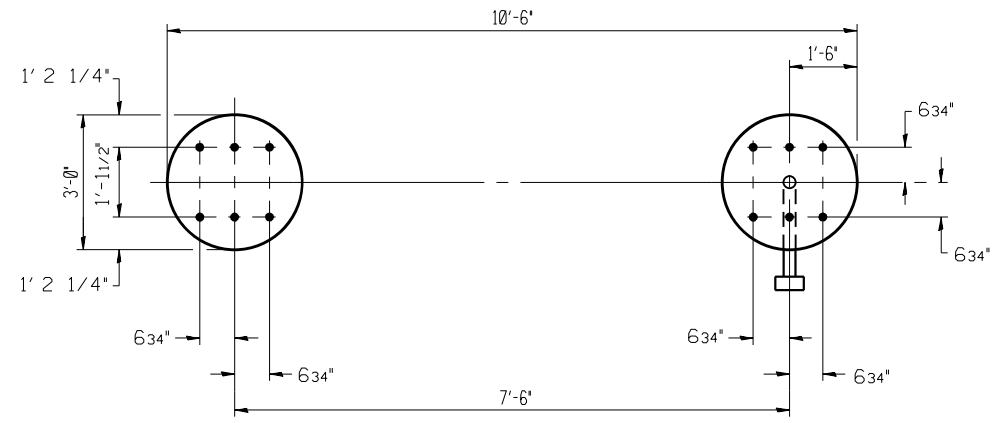


SECTION A-A

For anchor rod size and placement, see Support Frame Detail Sheet.

Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 8" * SUPPORT FRAME
TYPE I-A TRUSS SPECIAL**



PLAN

Structure Number	Location	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
IS0161094L066.0-000	2	-	-	-	-	-	588.82'	570.32'	3'-0"	16'-6"	18'-6"	9.7 CY
IS0161094R065.7-000	3	588.73	569.73	2'-6"	16'-6"	19'-0"	588.76'	569.76'	2'-6"	16'-6"	19'-0"	19.8 CY

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 OFFICE: ...
 CONTRACT: ...
 SHEET: ...

OS4-F2 SPECIAL 2-17-2017

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

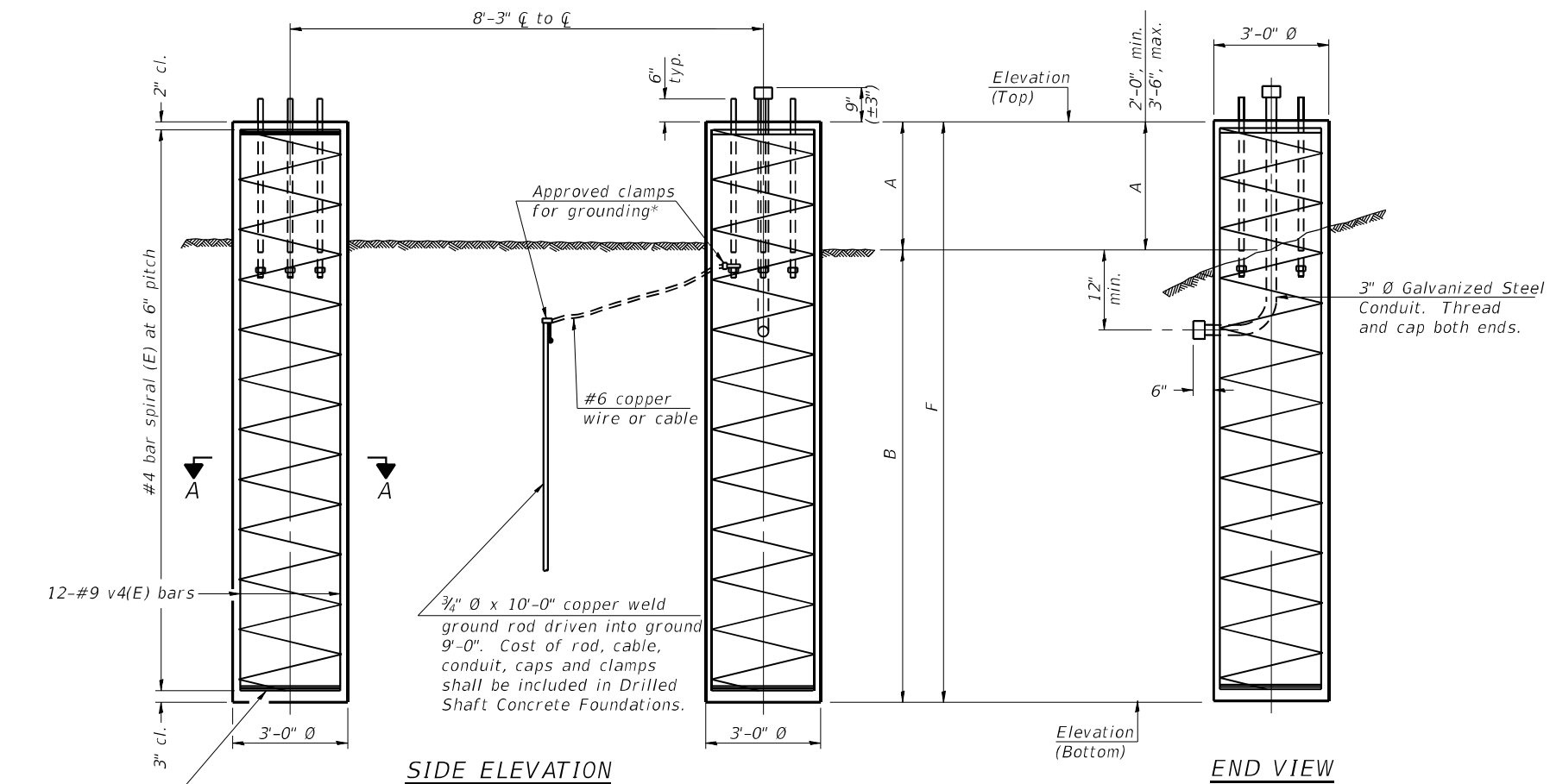
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN STRUCTURES DRILLED SHAFT DETAILS (SPECIAL)			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	48
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				



NOTES:

The foundation dimensions shown 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 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.

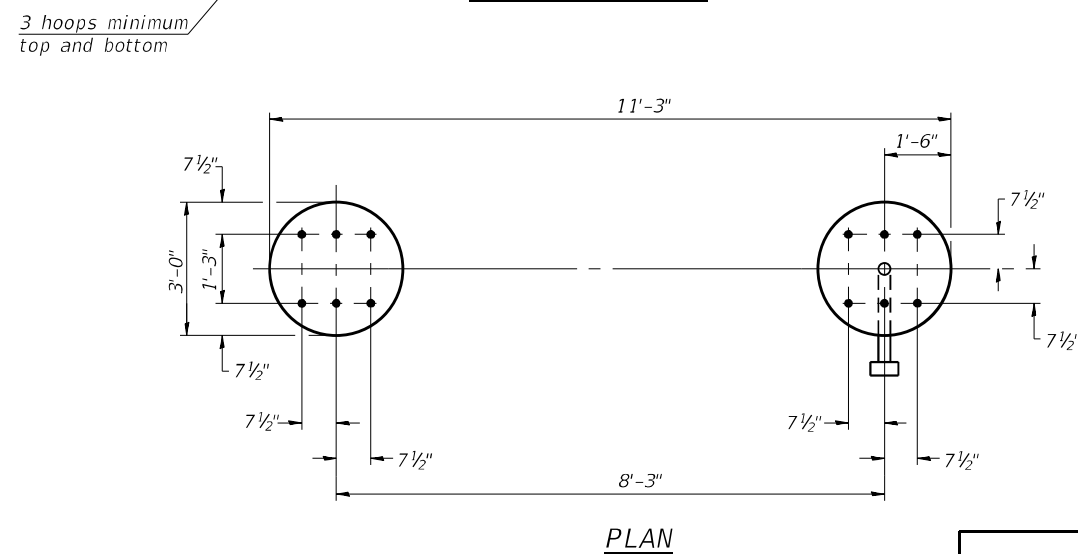
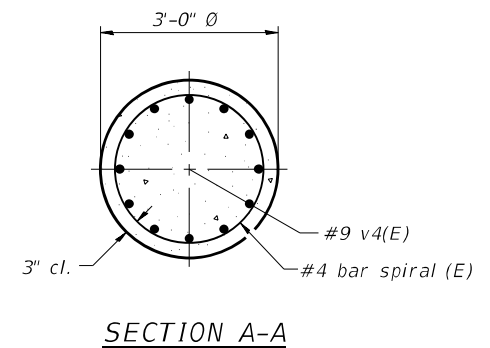
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

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.



For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 10" Ø SUPPORT FRAME
TYPE I-A or II-A TRUSS**

Structure Number	Location	Left Foundation			Right Foundation			Class DS Concrete (Cu. Yds.)				
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top		Elevation Bottom	A	B	F
1S0161094L037.5-000	1	-	-	-	-	-	631.56'	608.56'	2'-6"	20'-6"	23'-0"	12.0 CY
1S0221290L000.0-001	4	-	-	-	-	-	715.62'	695.62'	3'-6"	16'-6"	20'-0"	10.5 CY
1S0221055L274.8-000	5	-	-	-	-	-	708.60'	692.60'	2'-6"	13'-6"	16'-0"	8.4 CY
1S0161290L023.0-000	6	611.85	593.85	2' 0"	16' 6"	18' 6"	611.85'	653.85'	2'-0"	16'-6"	18'-6"	19.4 CY
1S0161094L040.5-000	7	-	-	-	-	-	611.33'	592.83'	2'-0"	16'-6"	18'-6"	9.7 CY
1S0161094L034.6-000	8	-	-	-	-	-	621.12'	602.12'	2'-6"	16'-6"	19'-0"	9.9 CY
1S0161041R000.0-000	10	-	-	-	-	-	635.66'	610.66'	3'-0"	22'-0"	25'-0"	13.1 CY
1S0161094L030.3-000	11	-	-	-	-	-	633.61'	600.11'	3'-6"	30'-0"	33'-6"	17.5 CY
1S0161057L345.0-000	12	713.10	689.10	3' 6"	20' 6"	24' 0"	713.20'	689.20'	3'-6"	20'-6"	24'-0"	25.1 CY

0S4-F3

2-17-2017

MODEL: D:\p\aut\c...
 FILE NAME: ...
 PROJECT: ...
 DRAWING: ...
 DATE: 9/29/2021

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

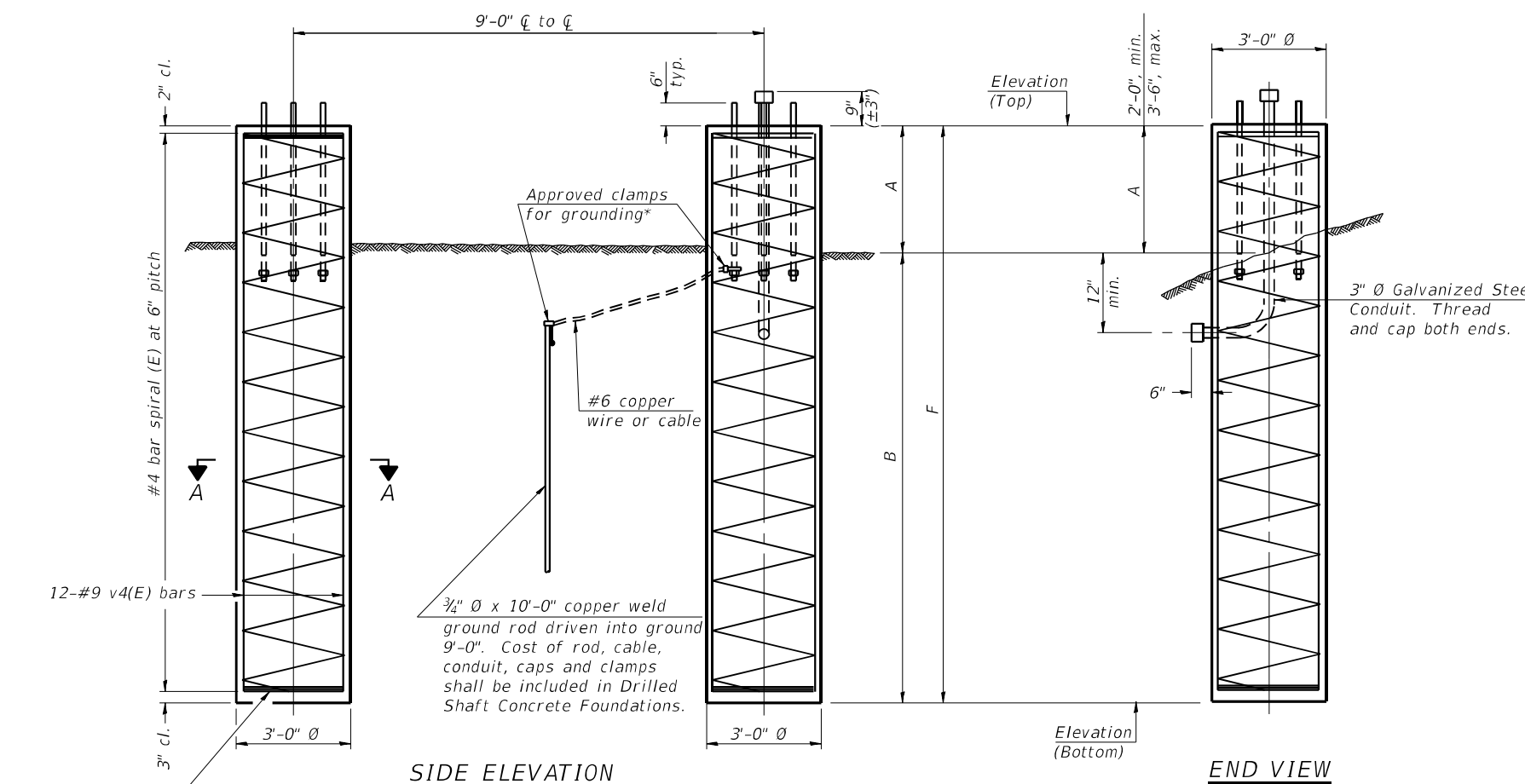
**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	49
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

BAR LIST - EACH FOUNDATION

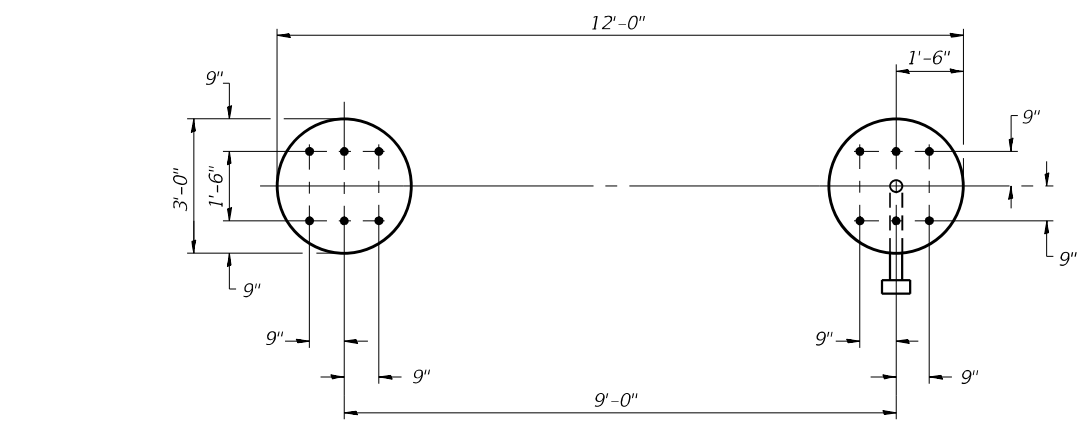
Bar Number	Size	Length	Shape
v4(E)	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation			



3 hoops minimum top and bottom

SIDE ELEVATION

END VIEW



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

NOTES:

The foundation dimensions shown 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 will be the result of site specific designs.

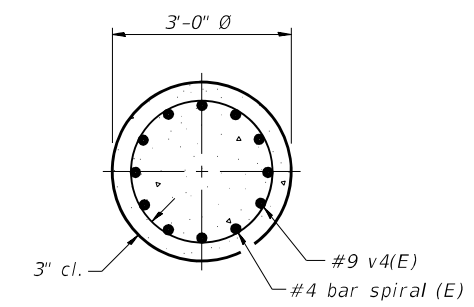
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District 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.



SECTION A-A

DETAILS FOR 12" Ø SUPPORT FRAME TYPE III-A TRUSS

Structure Number	Location	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
1S0161094L030.0-000	9	-	-	-	-	-	632.75'	612.25'	2'-6"	18'-0"	20'-6"	10.7 CY

054-F4

2-17-2017

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

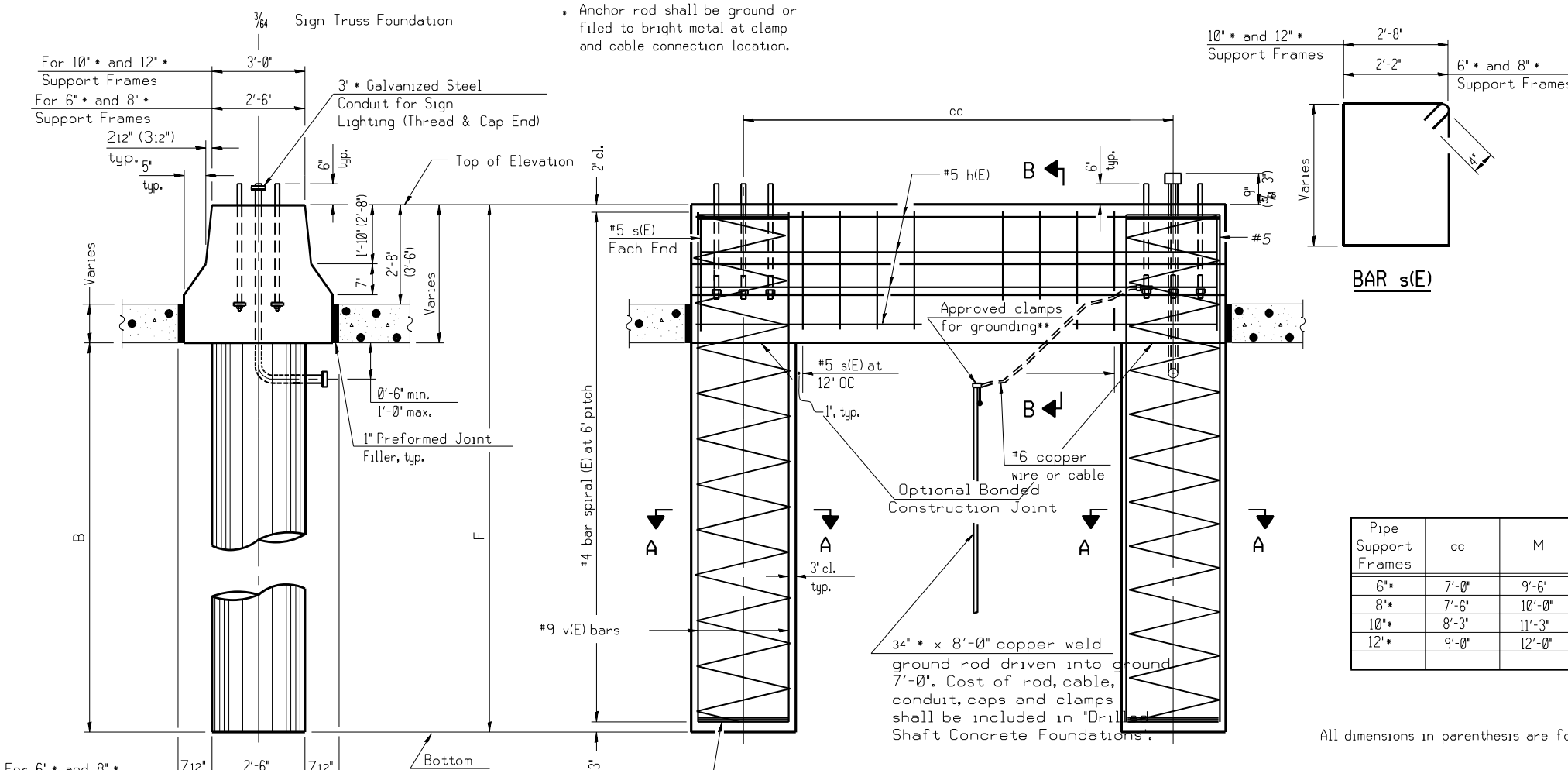
**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	50
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\aut\c...
 FILE NAME: ...
 PROJECT: ...
 OFFICE: ...
 DRAWING: ...
 DATE: ...

NOTES:
 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 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.



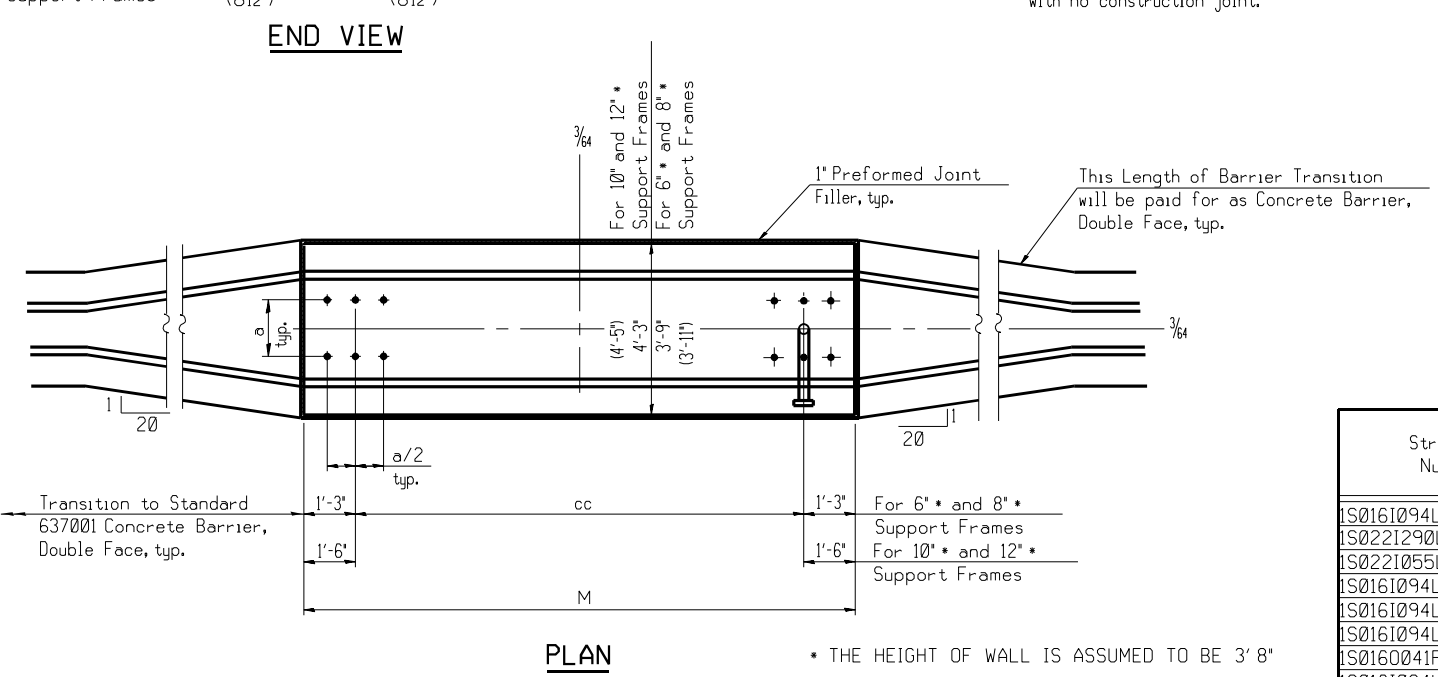
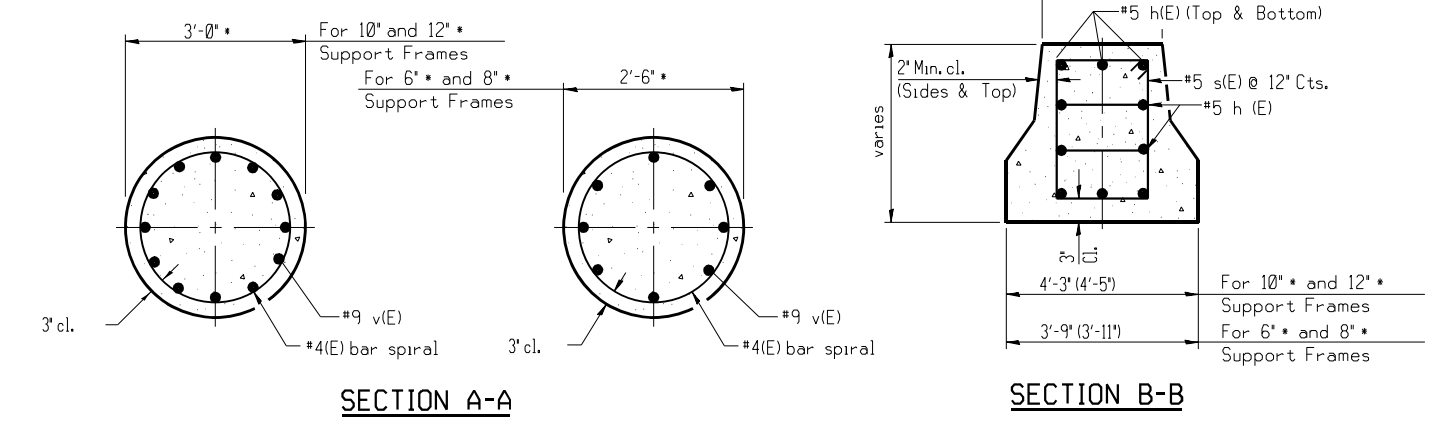
Pipe Support Frames	cc	M	a	a/2
6"	7'-0"	9'-6"	0'-11"	512"
8"	7'-6"	10'-0"	1'-112"	634"
10"	8'-3"	11'-3"	1'-3"	712"
12"	9'-0"	12'-0"	1'-6"	9"

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 4'	—
s(E)	Varies	#5	Varies	□
v(E)	16	#9	F less 0'-5"	—
v(E)	24	#9	F less 0'-5"	—

6" and 8" Support Frame
 10" and 12" Support Frame
 #4(E) bar spiral - see Side Elevation

All dimensions in parenthesis are for 42" high barrier.



Structure Number	Location	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
IS0161094L037.5-000	1	629.75	605.58	20' 6"	24' 2"	-	-	-	-	19.37 CY
IS0221290L000.0-001	4	713.55	693.38'	16' 6"	20' 2"	-	-	-	-	12.01 CY
IS0221055L274.8-000	5	708.60	691.43	13' 6"	17' 2"	-	-	-	-	14.68 CY
IS0161094L041.5-000	7	619.80	577.65	16' 6"	20' 2"	-	-	-	-	16.70 CY
IS0161094L041.6-000	8	621.92	601.75	16' 6"	20' 2"	-	-	-	-	16.70 CY
IS0161094L030.0-000	9	636.08	614.41	18' 0"	21' 8"	-	-	-	-	18.08 CY
IS0160041R000.0-000	10	639.87	614.20	22' 0"	25' 8"	-	-	-	-	20.40 CY
IS0161094L030.3-000	11	634.55	600.88	30' 0"	33' 8"	-	-	-	-	25.78 CY
IS0161057L345.0-000	13	686.92	669.75	13' 6"	17' 2"	-	-	-	-	10.60 CY

MODEL: D:\p\aut\...
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 PROJECT: ...
 DRAWING: ...
 DATE: 9/29/2021

OS4-MED

2-17-2017

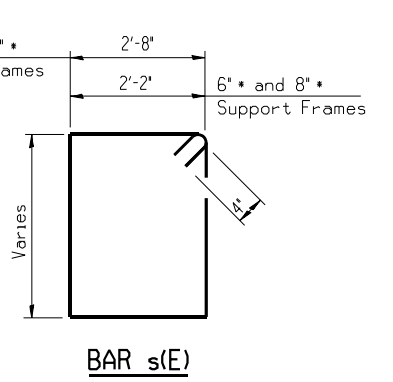
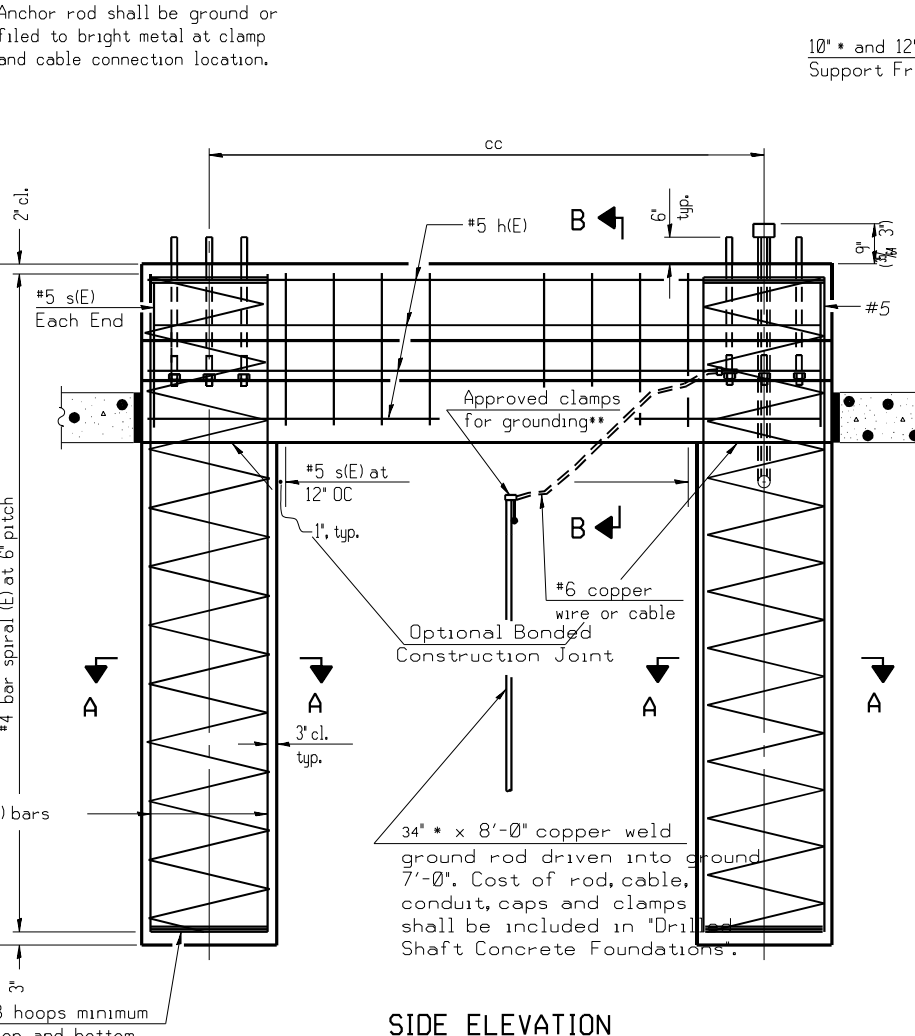
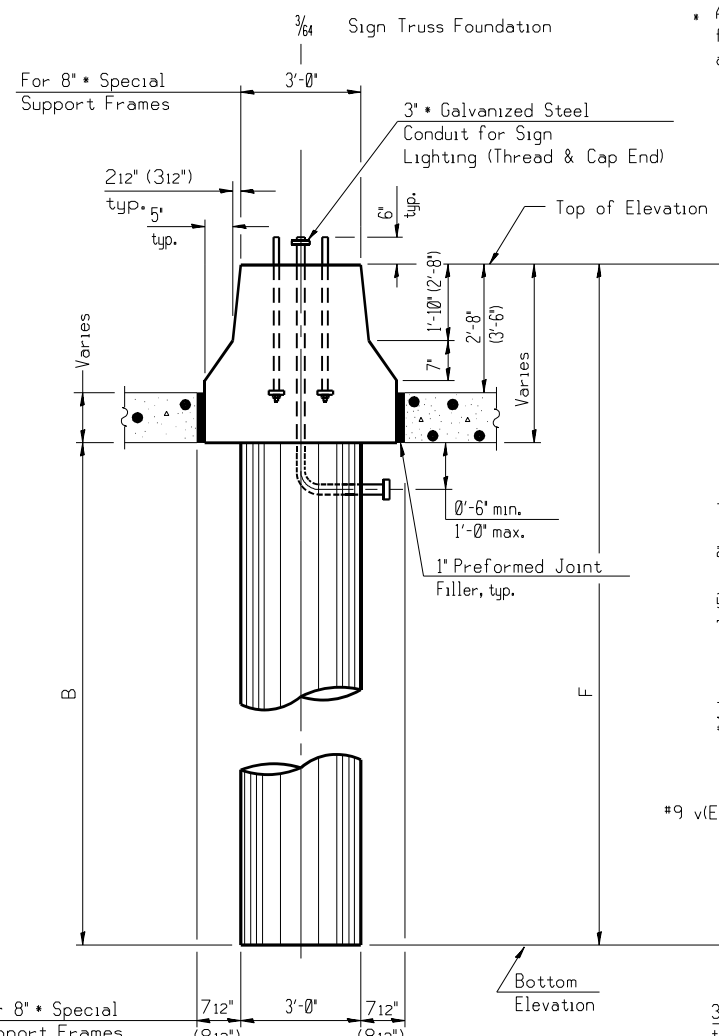
USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
 MEDIAN SUPPORT FOUNDATION DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	51
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



NOTES:
 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 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.

BAR LIST - EACH FOUNDATION

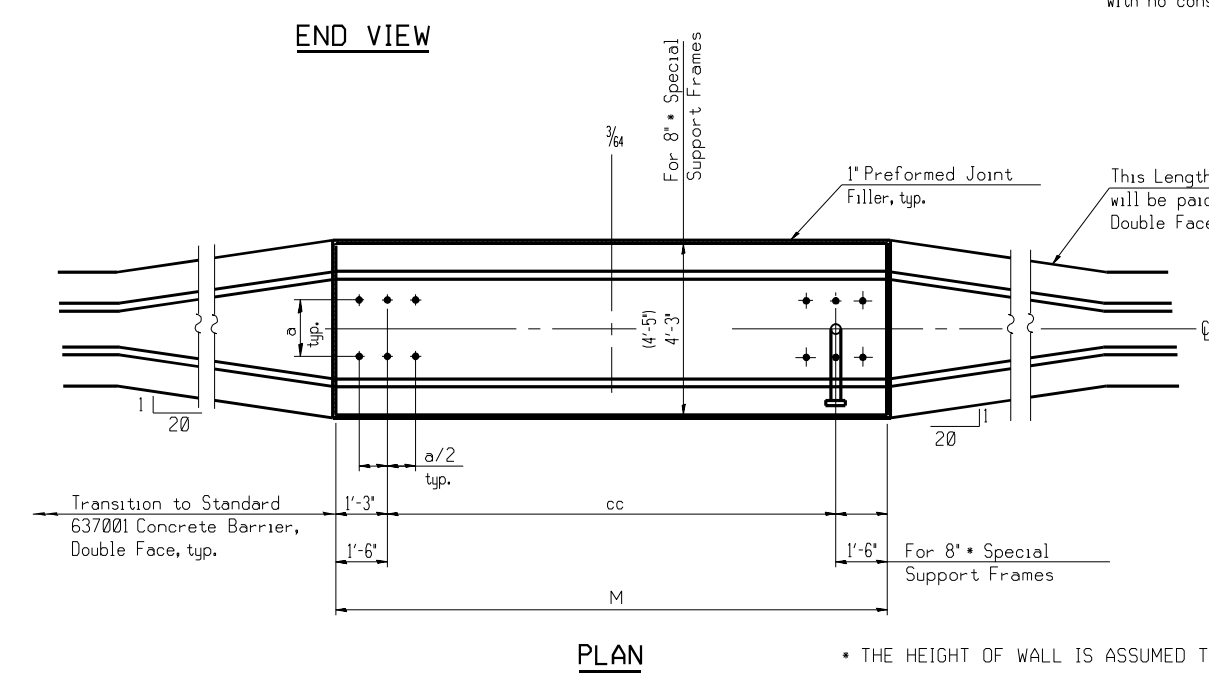
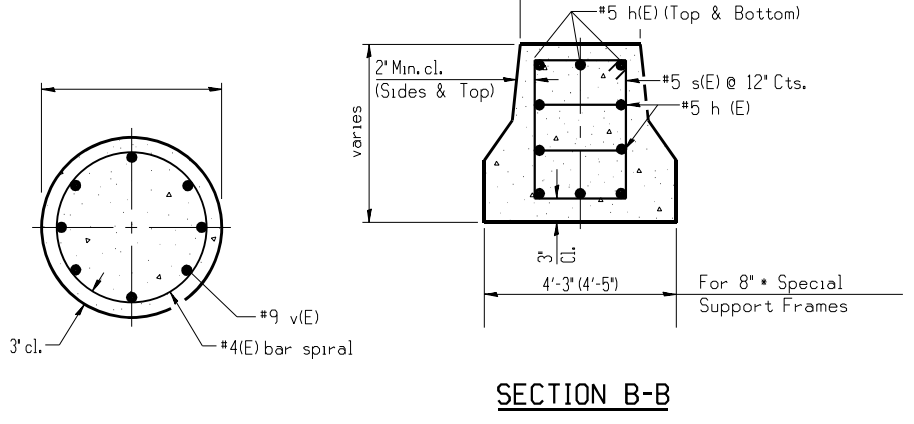
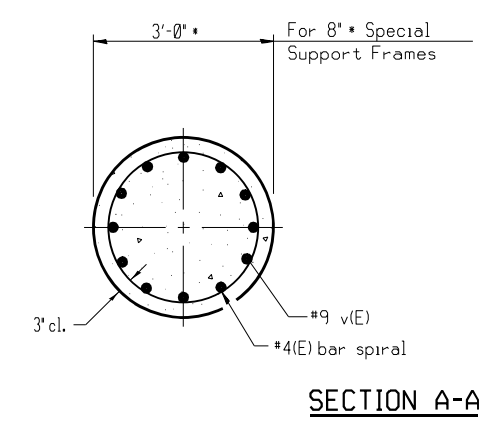
Pipe Support Frames	cc	M	a	a/2
h(E)	10	#5	M less 4'	
s(E)	Varies	#5	Varies	
v(E)	16	#9	F less 0'-5"	
v(E)	24	#9	F less 0'-5"	

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 4'	
s(E)	Varies	#5	Varies	
v(E)	16	#9	F less 0'-5"	
v(E)	24	#9	F less 0'-5"	

8" Special Support Frame
 #4(E) bar spiral - see Side Elevation

All dimensions in parenthesis are for 42' high barrier.

SIDE ELEVATION
 Concrete Foundation poured monolithically with no construction joint.



• THE HEIGHT OF WALL IS ASSUMED TO BE 3' 8"

Structure Number	Location	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
1S0161094R065.7-000	2	588.85	568.68'	16' 6"	20' 2"	-	-	-	-	16.08 CY

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWING: ...
 DATE: 9/29/2021

OS4-MED SPECIAL 2-17-2017

USER NAME	DESIGNED	REVISION
mezag	-	-
	DRAWN	REVISION
	CHECKED	REVISION
	DATE	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS (SPECIAL)

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	52
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



SOIL BORING LOG

Date 9/19/20

ROUTE Various DESCRIPTION NB I-94 at EB Dempster Street Exit Ramp LOGGED BY M. Esposito
 LOCATION 1 LOCATION SEC. TWP. RNG.
 Latitude 1°0'0", Longitude 1°0'0"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (blows/ft)	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.: First Encounter	Upon Completion	After - Hrs.	DEPTH (ft)	BLOW (blows/ft)	UCS (tsf)	MOIST (%)	
1S016I094L037.5-000	-	2-3A	-	-	96.05	0				NA	NA	89.1	None	-	0				
Brown Silty Clay (TOPSOIL)																			
Medium Dense, Brown, Coarse Grain, Moist, SAND																			
Stiff to Hard, Gray, Moist, SILTY CLAY (continued)																			
Stiff to Hard, Gray, Moist, SILTY CLAY																			
Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring																			

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, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 9/22/20

ROUTE Various DESCRIPTION NB I-94 at EB Dempster Street Exit Ramp LOGGED BY M. Esposito
 LOCATION 1 LOCATION SEC. TWP. RNG.
 Latitude 1°0'0", Longitude 1°0'0"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (blows/ft)	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.: First Encounter	Upon Completion	After - Hrs.	DEPTH (ft)	BLOW (blows/ft)	UCS (tsf)	MOIST (%)	
1S016I094L037.5-000	-	2-3B	-	-	97.30	0				NA	NA	90.3	None	-	0				
14.5" HMA pavement																			
Crushed Aggregate																			
Very Stiff, Brown, Moist, SILTY CLAY																			
Loose to Medium Dense, Brown, Coarse Grain, Wet, SAND																			
Stiff to Very Stiff, Gray, Moist, SILTY CLAY																			
Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring																			

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWING: ...
 SHEET: ...

USER NAME = mezeg	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 of / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 (2-3A AND 2-3B)

SCALE: SHEET OF SHEETS STA. TO STA.

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	53
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Date 9/21/20

ROUTE Various DESCRIPTION WB I-290 just SE of RT-20/Lake St Exit LOGGED BY M. Esposito
 LOCATION 4 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After - Hrs.
1S0221290L000.0-001	-	2-7A	-	-	98.15					NA	NA	None	None	None	-
Black Silty Clay (TOPSOIL) Soft to Medium Stiff, Gray, Moist, CLAY, trace organics (continued) 96.15 76.15 Stiff, Black, Brown, Gray, mottled, Moist, CLAY 2 3 1.3 18 3 B 74.15 Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring -5 -25 2 4 1.6 18 4 B 91.15 Very Stiff to Hard, Brown, Moist, SILTY CLAY 3 4 4.5 15 6 P -10 -30 3 4 2.4 16 5 B 3 3 2.3 22 6 P -15 -35 4 3 2.5 24 4 P 81.15 Soft to Medium Stiff, Gray, Moist, CLAY, trace organics 4 3 0.7 91 4 B -20 -40															

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, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 9/17/20

ROUTE Various DESCRIPTION SB I-55 at Collector Distributor Ramp for IL-83 LOGGED BY M. Esposito
 LOCATION 5 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (blows/6")	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After - Hrs.
1S0221055L274.8-000	-	2-9A	-	-	98.41					NA	NA	None	None	None	-
18" HMA pavement 97.31 77.91 Crushed Aggregate 96.41 Medium Stiff to Very Stiff, Brown, Moist, SILTY CLAY 2 3 0.8 25 5 B -5 -25 3 4 2.4 18 4 B 90.41 Brown, Moist, LOAM 89.91 8 4.6 14 Hard, Brown, Moist, SILTY CLAY 88.91 9 B Stiff, Brown, Moist, SILT -10 -30 2 3 1.0 20 4 B 85.41 3 7 2.4 13 Medium Stiff to Very Stiff, Gray, Moist, CLAY 8 8 B -15 -35 3 4 0.9 15 Grades with more silt 10 B 79.91 5 6 2.5 13 Medium Dense, Gray, Fine Grain, Moist, SAND 6 B -20 -40															

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\...
 FILE NAME: ...
 PROJECT: ...
 DRAWN: ...
 CHECKED: ...
 DATE: 9/29/2021

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

SOIL BORING LOGS
 (2-7A AND 2-9A)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10VD SIN SGR REPL 20-27	VARIOUS	119	56
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Page 1 of 1

Date 9/17/20

ROUTE Various DESCRIPTION SB I-55 at Collector Distributor Ramp for IL-83 LOGGED BY M. Esposito

LOCATION 5 LOCATION SEC., TWP., RNG.

Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1S0221055L274.8-000
Station -
BORING NO. 2-9B
Station -
Offset -
Ground Surface Elev. 97.52 ft

DEPTH (ft)	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	SOIL AND ROCK DESCRIPTION
0	18" HMA pavement	0	Stiff, Brown, Moist, SILTY CLAY (continued)
96.02	Crushed Aggregate	76.02	
95.02	Encountered obstruction.		Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring
93.02	Hard, Brown, Moist, SILTY CLAY		
89.52	Very Stiff, Gray, Moist, SILTY CLAY		
87.02	Very Stiff, Brown, Moist, LOAM		
85.52	Stiff to Very Stiff, Gray, Moist, SILTY CLAY		
78.02			

SOIL BORING VARIOUS SIGN STRUCTURES.GPJ IL_DOT.GDT 5/21/21

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, form 137 (Rev. 8-99)

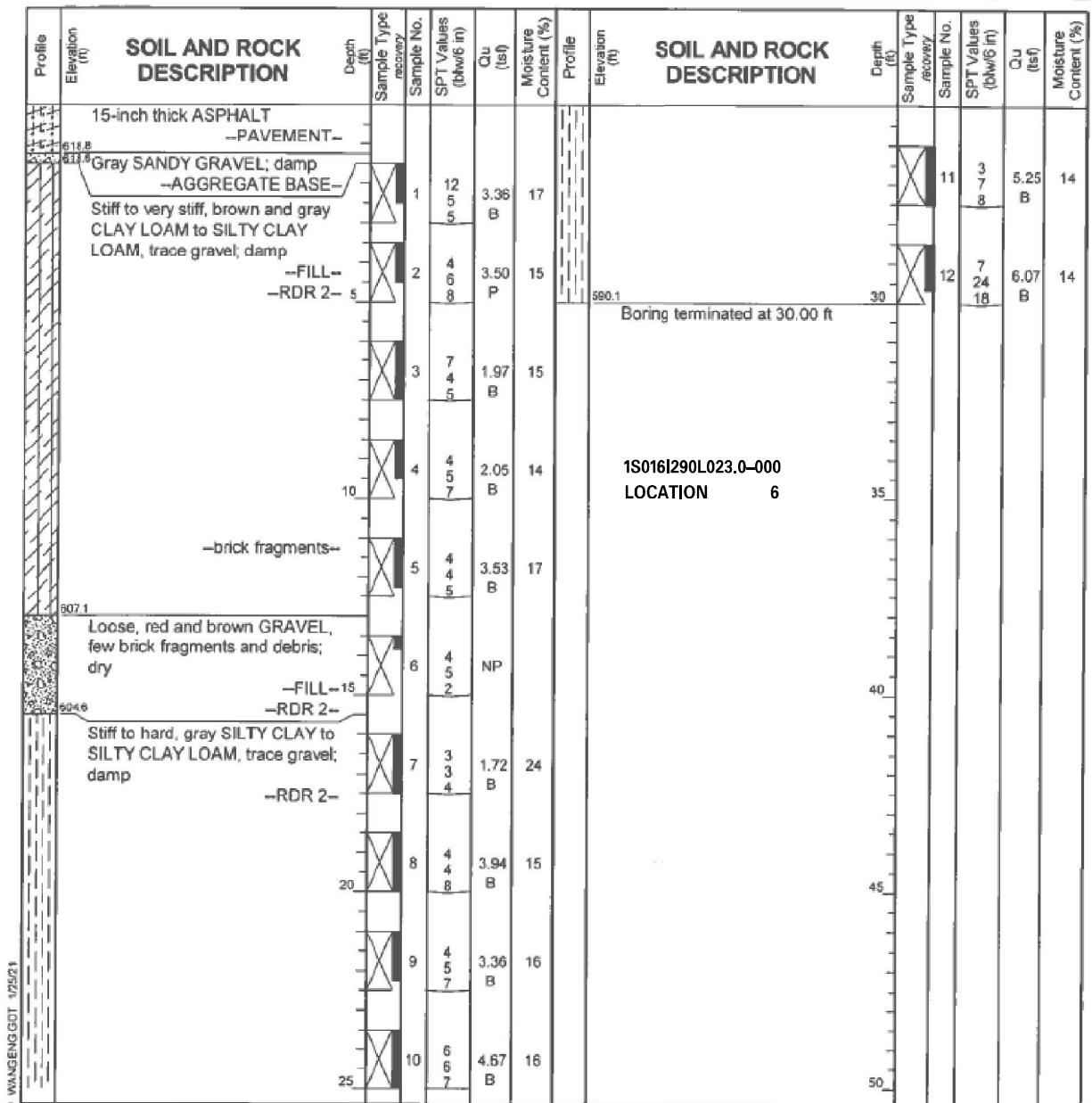
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG OSB-3-2A

WEI Job No.: 555-16-09

Client: IDOT
Project: Sign Structures
Location: I-290

Datum: NAVD 88
Elevation: 620.07 ft
North: 189631 1.03 ft
East: 1139701 1.87 ft
Station: NA
Offset: NA



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-20-2021	Complete Drilling	01-20-2021
Drilling Contractor	Wang Testing Services	Drill Rig	17D50T (81%)
Driller	J & W	Logger	M. Sadowksi
Checked by	C. Marin	Drilling Method	2.25" ID HSA; boring backfilled upon completion
While Drilling	DRY	At Completion of Drilling	DRY
Time After Drilling	NA	Depth to Water	NA

MODEL: D:\p\aut\... FILE NAME: ...

USER NAME = mezag	DESIGNED	REVISED
PLOT SCALE = 100.0000 sf / in.	DRAWN	REVISED
PLOT DATE = 9/29/2021	CHECKED	REVISED
	DATE	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS (2-9B AND OSB-3-2A)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 28-27	VARIOUS	119	57
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

SOIL BORING LOG

ROUTE Various DESCRIPTION WB I-94/ NB US-41 at exit to Edens Spur LOGGED BY M. Esposito

LOCATION 9 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	BORING NO. Station	Ground Surface Elev. ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Soil Description								
							Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	Notes					
1S0161094L030.0-000	3-6A	100.11					Stiff to Hard, Gray, Moist, SILTY CLAY (continued)								
			98.86												
			98.11												
				6											
				6	2.2	19									
				7	B										
			95.61												
				-5											
				5	1.4	17									
				5	B										
			93.11												
				5											
				6	5.0	13									
				8	B										
				-10											
				5											
				7	5.6	15									
				9	B										
				4											
				7	3.8	15									
				9	B										
				-15											
				3											
				6	3.2	15									
				8	B										
				2											
				4	2.4	14									
				5	B										
				-20											

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, form 137 (Rev. 8-99)

SOIL BORING LOG

ROUTE Various DESCRIPTION NB US-41 at exit to Lake-Cook Rd LOGGED BY M. Esposito

LOCATION 10 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	BORING NO. Station	Ground Surface Elev. ft	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Soil Description								
							Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	Notes					
1S016U041R000.0-000	3-7A	101.70					Black Silty Clay (TOPSOIL)								
			101.20												
				1											
				2	1.3	38									
				3	B										
			97.20												
				-5											
				0											
				1	0.7	24									
				2	B										
				3											
				5	2.4	17									
				7	B										
			91.70												
				-10											
				3											
				5	3.4	15									
				8	B										
				3											
				6	1.7	14									
				8	B										
			87.20												
				-15											
				3											
				4	2.5	15									
				8	B										
				3											
				4	1.6	15									
				6	B										
			81.70												
				-20											

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\... FILE NAME: ... SOIL BORING VARIOUS SIGN STRUCTURES.GPJ IL_DOT.GDT 5/24/18

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
(3-6A AND 3-7A)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 28-27	VARIOUS	119	60
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

Wang Engineering
 wangeng@wangeng.com
 1145 North Main Street
 Lombard, IL 60148
 Telephone: 630-953-9928
 Fax: 630-953-9938

BORING LOG 3-8B
 WEI Job No.: 555-16-10

Client: **Illinois Department of Transportation**
 Project: **Various Sign Structure Replacement, Work Order 9**
 Location: **Cook, DuPage & Will Counties, IL**

Datum: NAVD 88
 Elevation: 831.99 ft
 North: 1992800.13 ft
 East: 1132403.81 ft
 Station:
 Offset:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
631.7	7.4-inch thick ASPHALT --PAVEMENT--												
630.7	11-inch thick CONCRETE with steel rebar --PAVEMENT--		1	50/4	NP	2				11	3 6	2.13	16
628.2	Very dense, gray SANDY GRAVEL; dry --BASE COURSE--		2	27 11 10	4.50 P	14				12	4 6 7	2.30	16
626.5	Hard, gray SILTY CLAY LOAM; damp --FILL-- --RDR 2--		3	2 2 2	NP	23				13	3 4 7	1.89	15
624.0	Loose, brown SANDY LOAM; damp to wet --RDR 2--		4	4 5 7	NP	20							
620.5	Medium dense, brown to gray SILTY LOAM; moist --RDR 2--		5	3 5 7	2.95 B	15							
	Stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--		6	5 6 11	4.59 B	15							
			7	4 6 9	3.72 B	15							
			8	4 4 6	3.36 B	15							
			9	4 5 6	2.46 B	16							
			10	5 4 6	2.21 B	16							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-19-2021	Complete Drilling	04-19-2021	While Drilling	▽	7.50 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	20D50T (80%)	At Completion of Drilling	▽	DRY	
Driller	R&J	Logger	M. Sadowski	Time After Drilling	NA		
Checked by	J. Bensen	Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	▽	NA	

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation District

Page 1 of 1
 Date 8/31/20

ROUTE: Various DESCRIPTION: I-57 SB Before Exit 345B to I-80 West LOGGED BY: M. Esposito

LOCATION: 12 LOCATION: 10' S of existing sign foundation, SEC., TWP., RNG.
 Latitude 1°0'0", Longitude 1°0'0"

COUNTY: Various DRILLING METHOD: HSA HAMMER TYPE: Auto

STRUCT. NO.	1S016I057L345.0-000	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
Station						NA	NA				
BORING NO.	1-1A										
Station						None	None				
Offset						None	None				
Ground Surface Elev.	97.26 ft										
Brown Silty Clay (TOPSOIL)	96.76										
Brown, Stiff, Moist, SILTY CLAY											
Encountered obstruction.	50/2										
Dolomite Fragments.											
Hard, Brown, Moist, SILTY CLAY	90.26										
Stiff to Very Stiff, Gray, Moist, CLAY	87.76										

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\c...
 FILE NAME: ...
 PROJECT: ...
 DRAWING: ...
 DATE: 9/29/2021

USER NAME	= mezag	DESIGNED		REVISED	
DRAWN		CHECKED		REVISED	
PLOT SCALE	= 100.0000 sf / in.	DATE		REVISED	
PLOT DATE	9/29/2021				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. TO STA.	

SOIL BORING LOGS (3-8B AND 1-1A)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			D-1 OVD SIN STR REPL 28-27	VARIOUS	119	62
CONTRACT NO. 46539						
ILLINOIS FED. AID PROJECT						



SOIL BORING LOG

Date 8/31/20

ROUTE Various DESCRIPTION I-57 SB Before Exit 345B to I-80 West LOGGED BY M. Esposito

LOCATION 12 LOCATION 10' S of existing sign foundation, SEC., TWP., RNG.,
Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1S0181057L345.0-000
Station -
BORING NO. 1-1B
Station -
Offset -
Ground Surface Elev. 99.29 ft

DEPTH (ft)	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	SOIL AND ROCK DESCRIPTION
0	Surface Water Elev. NA ft	0	12-inch thick ASPHALT -PAVEMENT-
0	Stream Bed Elev. NA ft	0	Loose to medium dense, brown and gray SANDY GRAVEL; dry to damp
0	Groundwater Elev.: None ft	0	-FILL- -RDR 3-
0	First Encounter Upon Completion None ft	0	
0	After - Hrs. - ft	0	
0		1	1
0		3	3
0		5	5
0		7	7
0		9	9
0		11	11
0		13	13
0		15	15
0		17	17
0		19	19
0		21	21
0		23	23
0		25	25

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, form 137 (Rev. 8-99)

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG OSB-1-7B

WEI Job No.: 555-16-09

Client: IDOT
Project: Sign Structures
Location: I-290

Datum: NAVD 88
Elevation: 685.08 ft
North: 1905043.80 ft
East: 1096659.88 ft
Station: NA
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
684.1	12-inch thick ASPHALT -PAVEMENT-	0	1	8	NP	2	684.1	1S0221290L014.3-000 LOCATION 13	0				
	Loose to medium dense, brown and gray SANDY GRAVEL; dry to damp	0	2	7	NP	3			0				
	-FILL- -RDR 3-	0	3	7	NP	3			0				
679.6	Stiff to hard, brown, gray, and black SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp	0	4	5	1.97	26			0				
	-FILL- -RDR 2-	0	5	7	B				0				
		10	6	5	5.17	20			10				
		15	7	7	B				15				
		20	8	3	2.62	20			20				
		25	9	3	B				25				
665.6	Very stiff to hard, brown, gray, and black CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp	20	10	5	3.36	21			20				
	-FILL- -RDR 2-	20	11	6	S				20				
665.1	Boring terminated at 20.00 ft	20	12	4	6.07	23			20				
		20	13	4	S				20				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-22-2021	Complete Drilling	01-22-2021	While Drilling	DRY	At Completion of Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	17D50T (81%)	Time After Drilling	NA	Depth to Water	NA
Driller	J & W	Logger	M. Sadowski	Checked by	C. Marin	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	
Drilling Method	2.25" ID HSA; boring backfilled upon completion						

MODEL: D:\p\aut\... FILE NAME: ...

USER NAME = mezag	DESIGNED	REVISED
PLOT SCALE = 1:100.0000 sf / in.	DRAWN	REVISED
PLOT DATE = 9/29/2021	CHECKED	REVISED
	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.			
-------------------------------------	--	--	--

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 28-27	VARIOUS	119	63
CONTRACT NO. 46539			
ILLINOIS FED. AID PROJECT			

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: (630) 953-9928
 Fax: (630) 953-9938

BORING LOG OSB-1-7A
 WEI Job No.: 555-16-09
 Client: IDOT
 Project: Sign Structures
 Location: I-290

Datum: NAVD 88
 Elevation: 885.16 ft
 North: 1905043.12 ft
 East: 1096703.07 ft
 Station: NA
 Offset: NA

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
684.84	684.84-inch thick ASPHALT --PAVEMENT--							1S022I290L014.3-000					
684.1	10-inch thick CONCRETE --PAVEMENT--							LOCATION 13					
	Medium dense to very dense, gray Gravelly medium SAND; dry to damp	1	4	39	NP								
	--FILL-- --RDR 2-3--	2	5	6	NP	11							
679.6													
	Stiff to hard, mottled brown, gray, and black SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp	3	4	4	B	19							
	--FILL-- --RDR 2-3--	4	3	4	B	21							
		5	4	5	B	18							
		6	5	6	B	19							
		7	6	4	B	21							
		8	8	6	P	21							
665.1	Boring terminated at 20.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2021	Complete Drilling	01-21-2021	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	17D50T (81%)	At Completion of Drilling	∇	DRY	
Driller	J & W	Logger	M. Sadowski	Time After Drilling	NA		
Checked by	C. Marin	Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	∇	NA	

Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation District

SOIL BORING LOG

Page 1 of 1
 Date 2/25/21

ROUTE Various DESCRIPTION NB I-94 1/2 Mile South of Peterson Ave LOGGED BY M. Esposito

LOCATION 14 LOCATION SEC. TWP. RNG.
 Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Surface Water Elev.	Stream Bed Elev.	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)
1C016I094L041.8-000	-	2-1	-	-	99.86	98.61				NA	NA				
						97.86									
							2								
							5	4.0	16						
							5	B							
							-5								
							2								
							4	1.5	19						
							4	B							
							92.86								
							0								
							3	0.9	21						
							3	B							
							90.36								
							-10								
							3								
							5	2.3	14						
							7	B							
							2								
							5	2.5	20						
							7	B							
							65.86								
							-15								
							8								
							5	1.2	19						
							13	B							
							82.86								
							4								
							10	5.7	19						
							13	B							
							-20								

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, form 137 (Rev. 8-99)

MODEL: D:\rout\1\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 9/29/2021

USER NAME	DESIGNED	REVISED
mezog		
	DRAWN	REVISED
	CHECKED	REVISED
	DATE	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

**SOIL BORING LOGS
 (OSB-1-7A AND 2-1)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-10VD SIN STR REPL 20-27	VARIOUS	119	64
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Page 1 of 1

Date 9/18/20

ROUTE Various DESCRIPTION NB Ryan Express Lanes at 29th St LOGGED BY M. Esposito

LOCATION 15 LOCATION SEC., TWP., RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	DEPTH	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOWS	UCS	MOIST
1C0161094L054.2-000	-	(ft)	(/6")	(tsf)	(%)	ft	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. 2-2	Station -					Groundwater Elev.:					
Offset						First Encounter					
Ground Surface Elev. 98.50	ft					Upon Completion					
						After Hrs.					
10.25" PCC Pavement	97.63					Medium Stiff to Stiff, Gray, Moist, CLAY (continued)		0	0	0.5	23
Crushed Aggregate	96.50							0	0	B	
Medium Dense, Brown, Moist, GRAVEL (FILL)	94.00	4			4			0	0	0.5	23
Very Stiff, Brown, Black, and Gray, Moist, SILTY CLAY (FILL)	91.50	17	2.0	12				0	0	B	
Soft to Medium Stiff, Gray, Moist, SILT	86.50	9	0.6	11	11%			0	0	0.4	27
Medium Stiff, Gray, Moist, SILTY CLAY	84.00	2	0.8	27				2	3	1.7	19
Medium Stiff to Stiff, Gray, Moist, CLAY		1	1.3	24				5	5	B	
		0	0.5	23							
		0	B								

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

BBS, form 137 (Rev. 8-99)



BORING LOG OSB-2-6

Page 1 of 1

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

WEI Job No.: 555-16-09

Client IDOT
Project Sign Structures
Location I-290

Datum: NAVD 88
Elevation: 614.20 ft
North: 1895938.92 ft
East: 1137863.50 ft
Station: NA
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
612.9	16-inch thick CONCRETE -PAVEMENT-							612.9							
612.7	Gray SANDY GRAVEL; dry -AGGREGATE BASE-	1	X	1	9 5 6	4.59 B	19	612.2				11	5 5 7	2.95 B	20
	Very stiff to hard, gray SILTY CLAY; damp	2	X	2	4 4 5	2.87 B	26					12	5 5 6	3.69 B	24
	-RDR 2-	5						584.2							
		3	X	3	3 4 5	2.62 B	21								
606.2	Brown and gray SILT; moist														
605.5	Very stiff, brown and gray SILTY CLAY LOAM; damp	4	X	4	3 7 8	3.03 B	17								
	-RDR 2-	10													
603.7	Brown and gray SILTY LOAM; damp														
603.6	Very stiff, gray SILTY CLAY; damp	5	X	5	3 3 3	3.44 B	17								
	-RDR 2-	15													
600.6	Very dense, brown and gray Gravelly LOAM, some wood fragments and organic matter debris; wet	6	X	6	3 5 6	2.25 P	17								
	-RDR 2-	15													
599.9	Medium stiff, brown and gray SILTY LOAM to SILTY CLAY LOAM; damp to moist	7	X	7	6 3 4	0.98 B	20								
	-RDR 2-	20													
592.1	Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp	8	X	8	3 4 9	2.54 B	17								
	-RDR 2-	20													
		9	X	9	5 7 11	4.35 B	17								
		10	X	10	5 8 8	5.08 B	17								

WANGENGINC 5551609.GPJ WANGENGGDT 1/25/21

GENERAL NOTES

Begin Drilling 01-20-2021 Complete Drilling 01-20-2021
Drilling Contractor Wang Testing Services Drill Rig 17D50T (81%)
Driller J & W Logger M. Sadowski Checked by C. Marin
Drilling Method 2.25" ID. HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling 15.00 ft
At Completion of Drilling 26.00 ft
Time After Drilling NA
Depth to Water NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

SOIL BORING VARIOUS SIGN STRUCTURES.GPJ IL_DOT.GDT 5/9/21

MODEL: D:\p\aut\... FILE NAME: ...

USER NAME = mezag	DESIGNED	REVISED
PLOT SCALE = 100.0000 sf / in.	DRAWN	REVISED
PLOT DATE = 9/29/2021	CHECKED	REVISED
	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
(2-2 AND OSB-2-6)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 28-27	VARIOUS	119	65
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

Date 9/4/20

ROUTE Various DESCRIPTION EB IL-56 at ramp to EB IL-38/ Drury Ln LOGGED BY M. Esposito

LOCATION 19 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1C022S056R000.0-000
 Station -
 BORING NO. 3-9
 Station -
 Offset -
 Ground Surface Elev. 98.72 ft

Surface Water Elev. NA ft
 Stream Bed Elev. NA ft
 Groundwater Elev.:
 First Encounter 86.7 ft
 Upon Completion None ft
 After - Hrs. - ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
8				Gray, Very Stiff, Moist, SILTY CLAY, with gravel (continued)
13	2.6		12	
10	B			
57.22				Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring
-45				
-50				
-55				
-60				

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, form 137 (Rev. 8-99)



SOIL BORING LOG

Date 9/1/20

ROUTE Various DESCRIPTION EB I-290 at 17th Ave Exit LOGGED BY M. Esposito

LOCATION 20 LOCATION SEC. TWP. RNG. Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1C016I290R018.8-000
 Station -
 BORING NO. 1-2
 Station -
 Offset -
 Ground Surface Elev. 97.15 ft

Surface Water Elev. NA ft
 Stream Bed Elev. NA ft
 Groundwater Elev.:
 First Encounter None ft
 Upon Completion None ft
 After - Hrs. - ft

DEPTH (ft)	BLOW COUNT (/6")	UCS (tsf)	MOIST (%)	DESCRIPTION
96.15				Brown Silty Clay (TOPSOIL)
13				Hard to Very Hard, Brown, Moist, SILTY CLAY (continued)
21	14.0		12	
30	S at 15%			
9				
11	9.5		16	
13	B			
92.65				Hard to Very Hard, Brown, Moist, SILTY CLAY
-5				
4				
6	4.8		18	
8	S at 15%			
5				
8	6.0		15	Obstruction, dolomite chips in split spoon.
11	B			
-10				
4				
10	6.8		14	
12	B			
8				
11	6.1		14	
14	B			
-15				
17				
34	4.5		10	Obstruction, dolomite chips in split spoon.
48	P			
14				
22	6.0		12	
28	B			
-20				

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\...
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 PROJECT: ...
 DRAWING: ...
 SHEET: ...

SOIL BORING VARIOUS SIGN STRUCTURES.GPJ IL_DOT.GDT 5/2/21

SOIL BORING VARIOUS SIGN STRUCTURES.GPJ IL_DOT.GDT 5/2/21

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 (3-9 AND 1-2)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 28-27	VARIOUS	119	68
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation District

SOIL BORING LOG

Page 2 of 2

Date 9/1/20

ROUTE Various DESCRIPTION EB I-290 at 17th Ave Ext LOGGED BY M. Esposito
LOCATION 20 LOCATION SEC. TWP. RNG.
Latitude 1°0'0", Longitude 1°0'0"
COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	DEPT H	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
1C016I290R018.8-000	(ft)	(/6")	(tsf)	(%)	NA	NA	ft	ft	ft	ft
Station										
BORING NO. <u>1-2</u>										
Station										
Offset										
Ground Surface Elev. <u>97.15</u>										
Hard to Very Hard, Brown, Moist, SILTY CLAY (continued)	13	34	6.2	8						
	55.65	81	S at	15%						
Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.)										
End of Boring										
	-45									
	-50									
	-55									
	-60									

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, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation District

SOIL BORING LOG

Page 1 of 1

Date 9/3/20

ROUTE Various DESCRIPTION NEB: West of Cass Ave LOGGED BY M. Esposito
LOCATION 21 LOCATION 19' N of existing sign foundation, SEC. TWP. RNG.
Latitude 1°0'0", Longitude 1°0'0"
COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	DEPT H	BLOWS	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
1C022I055R272.9-000	(ft)	(/6")	(tsf)	(%)	NA	NA	ft	ft	ft	ft
Station										
BORING NO. <u>1-3</u>										
Station										
Offset										
Ground Surface Elev. <u>97.10</u>										
16" HMA pavement										
	95.77									
Crushed Aggregate	95.10									
Very Stiff, Brown, Moist, SILTY CLAY		3								
		10	2.2	14						
		7	B							
	92.60									
Very Stiff, Brown and Gray mottled, Moist, SILTY CLAY		3								
		3	3.5	14						
		6	B							
	90.10									
Loose to Dense, Brown, Wet, GRAVEL with sand		34								
		20		12						
		15								
	-10									
		9								
		7		11						
		4								
		4		12						
		4								
	-15									
	81.60									
Medium Stiff, Gray, Moist, LOAM		5	0.9	18						
		4	B							
	79.60									
Medium Stiff to Very Stiff, Gray, Moist, SILTY CLAY		2								
		4	3.2	14						
		5	B							
	-20									

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, form 137 (Rev. 8-99)

MODEL: D:\p\aut\... FILE NAME: ...

SOIL BORING VARIOUS SIGN STRUCTURES GPJ IL_DOT.GDT 9/3/21

SOIL BORING VARIOUS SIGN STRUCTURES GPJ IL_DOT.GDT 9/3/21

USER NAME = mezag	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 sf / in.	DRAWN -	REVISED -
PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS (1-2 AND 1-3)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 28-27	VARIOUS	119	69
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

SOIL BORING LOG

ROUTE Various DESCRIPTION SB IL-83 at Exit Ramp to US 34 (Ogden Ave) LOGGED BY M. Esposito

LOCATION 22 LOCATION SEC. TWP. RNG.
Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1C022S083L000.0-002
Station -
BORING NO. 1-6
Station -
Offset -
Ground Surface Elev. 99.71 ft

DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Description
98.71				11.5' HMA pavement		3			Loose
97.71				Crushed Aggregate	78.21	4	0.2	17	Gray, Wet SANDY LOAM (continued)
				Very Stiff, Black and Brown, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	4	3.8	22			5	2.1	17	
	6	B				7	B		
95.21				Very Stiff to Hard, Brown, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	3					4	1.7	20	
	4	2.1	26			6	B		
				Very Stiff to Hard, Brown, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	7	6.1	17			4	1.9	19	
	9	B				7	B		
				Very Stiff to Hard, Brown, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	7	5.4	18			2	1.9	17	
	10	B				7	B		
				Very Stiff, Brown and Gray mottled, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	5	8.5	17			2	2.7	16	
	10	S at 13%				7	B		
85.21				Very Stiff, Brown and Gray mottled, Moist, SILTY CLAY		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	3					5	2.7	16	
	6	4.3	15			7	B		
				Loose, Gray, Wet, SANDY LOAM		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	1					2	0.4	17	
	2	0.4	17			4	B		
81.71				Loose, Gray, Wet, SANDY LOAM		3			Stiff to Very Stiff, Gray, Moist, SILTY CLAY
	2	0.4	17			4	B		
	4	B							

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, form 137 (Rev. 8-99)

SOIL BORING LOG

ROUTE Various DESCRIPTION SB IL-83 at Exit Ramp to US 34 (Ogden Ave) LOGGED BY M. Esposito

LOCATION 22 LOCATION SEC. TWP. RNG.
Latitude 1°0'0", Longitude 1°0'0"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 1C022S083L000.0-002
Station -
BORING NO. 1-6
Station -
Offset -
Ground Surface Elev. 99.71 ft

DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Description	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Description
58.21				Stiff to Very Stiff, Gray, Moist, SILTY CLAY (continued)		3			Loose
				Note: Boring elevation is relative to the elevation at the top of the existing sign foundation (Assumed elevation = 100 ft.) End of Boring		5	2.8	14	Gray, Moist, SANDY LOAM
						8	B		

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, form 137 (Rev. 8-99)

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PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

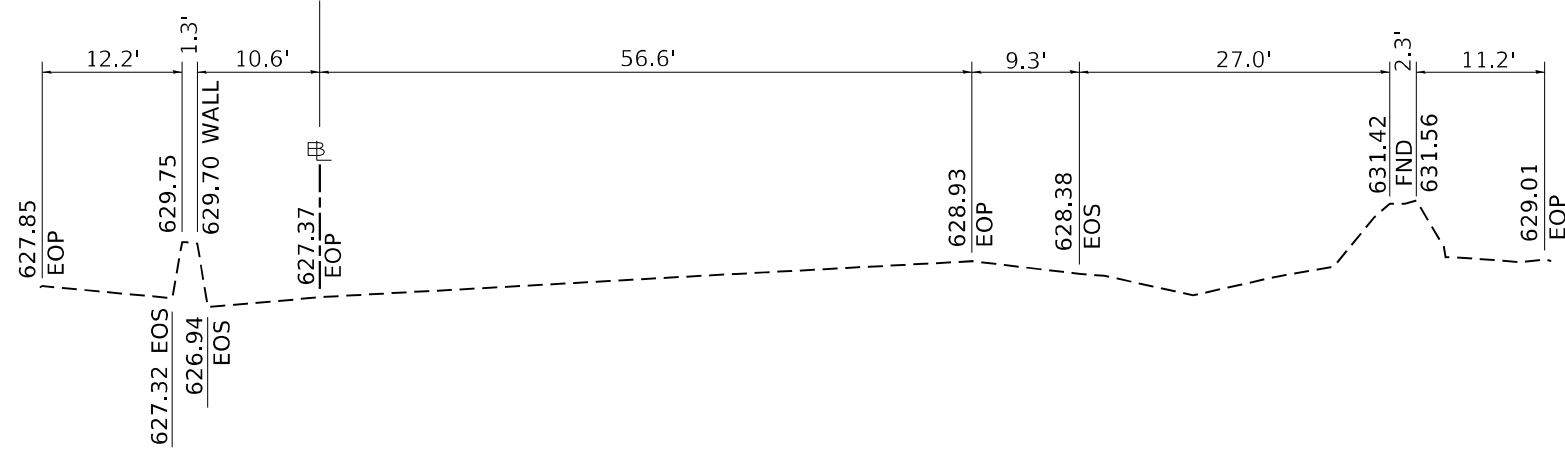
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
(1-6)**

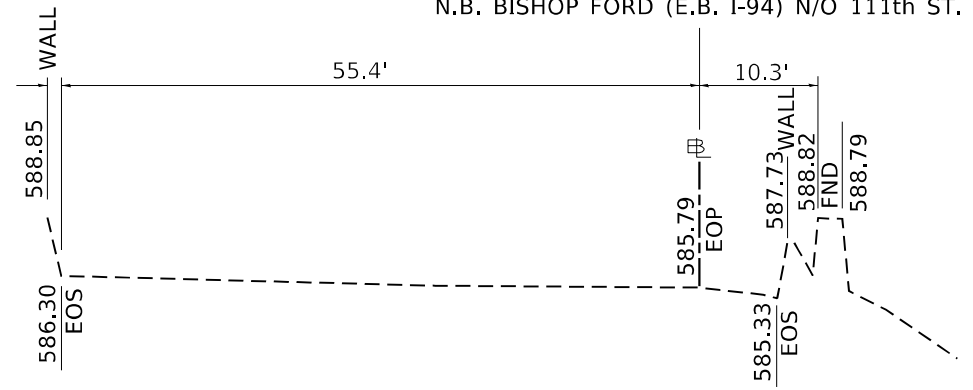
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CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

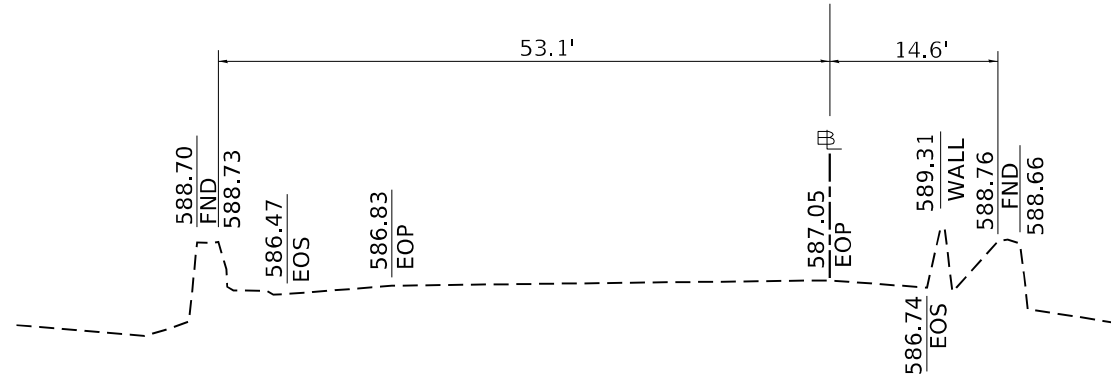
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N.B. I-94 E.B. DEMPSTER ST. EXIT RAMP



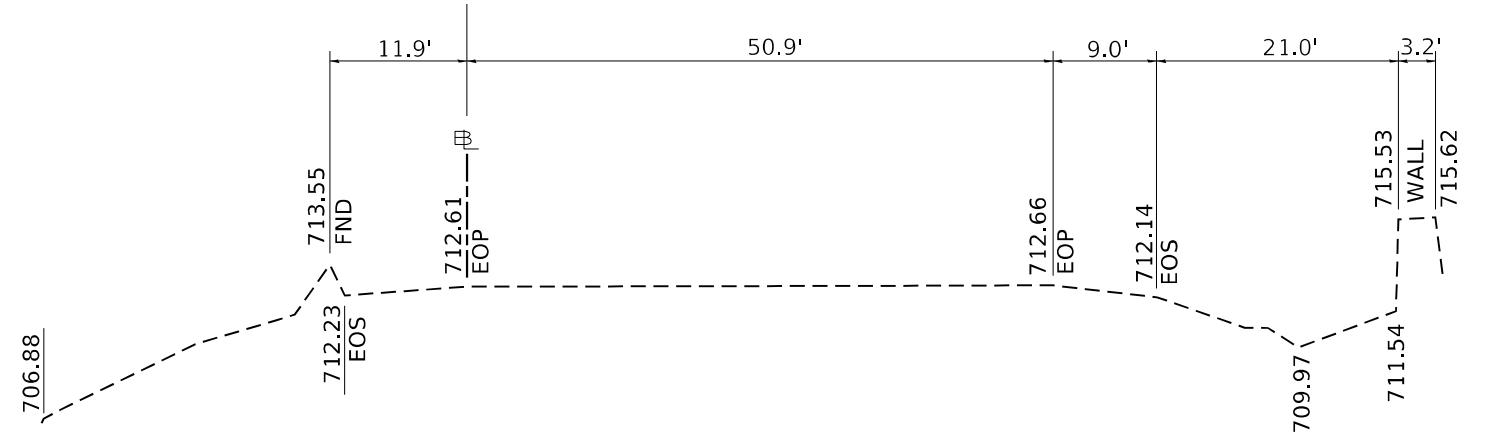
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N.B. BISHOP FORD (E.B. I-94) N/O 111th ST.



LOC 3 ST.# 15016I094R065.7-000
S.B. BISHOP FORD (E.B. I-94) 0.5 MI N/O 111th ST.



LOC 4 ST.# 15022I290L000.0-001
W.B. I-290 JUST SE/O U.S. 20/LAKE ST. EXIT



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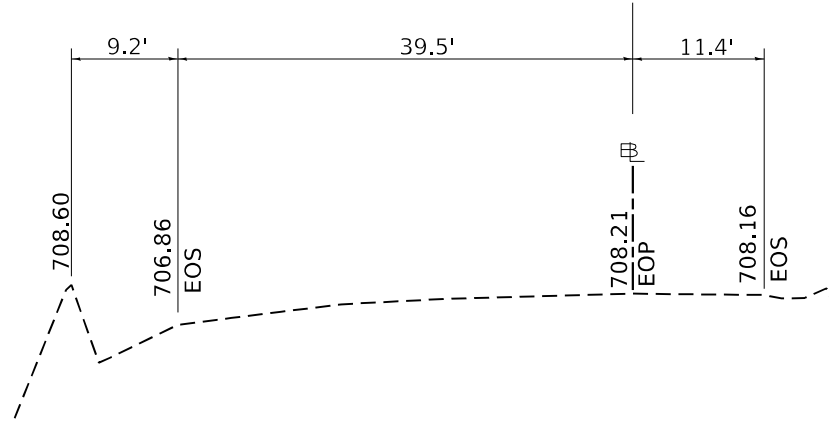
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

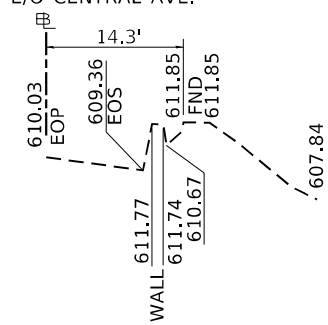
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SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		VARIOUS	119	71
CONTRACT NO. 46539			ILLINOIS FED. AID PROJECT	

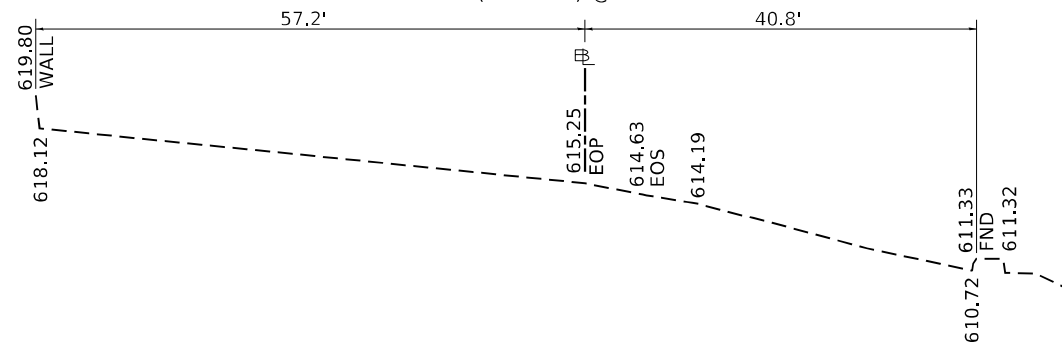
LOC 5 ST.# 1S022I0555L274.8-000
S.B. I-55@ COLLECTOR DISTRIBUTOR RAMP FOR IL 83



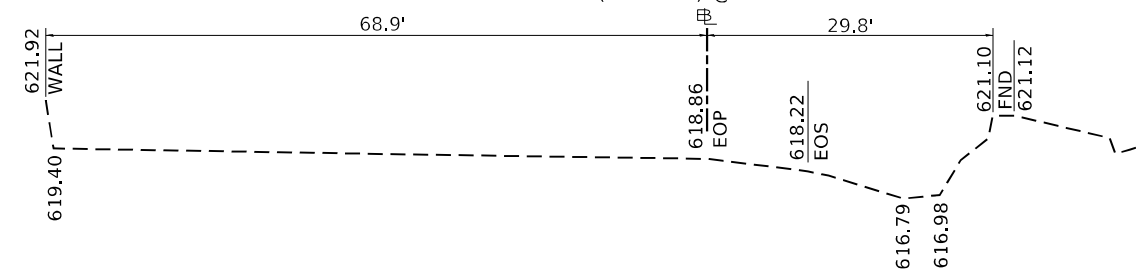
LOC 6 IS016I290L023.0-000
W.B. I-290 E/O CENTRAL AVE.



LOC 7 IS016I094L041.5-000
N.B. EDENS (W.B. I-94) @ E.B. U.S. ROUTE 14



LOC 8 IS016I094L034.6-000
N.B. EDENS (W.B. I-94) @ EXIT E.B. LAKE AVE.



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	DRAWN -	REVISED -
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PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -

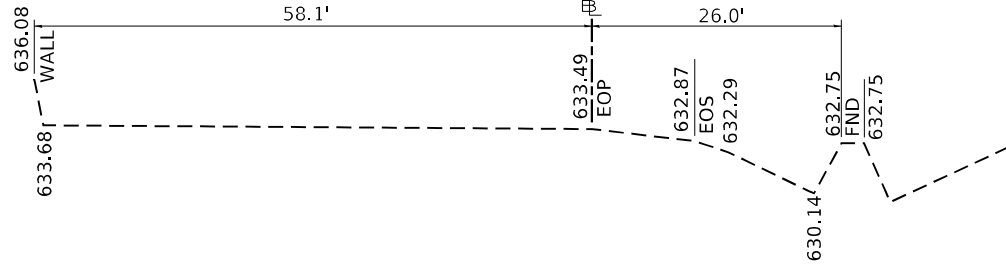
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN TRUSS TYPICAL SECTIONS
VARIOUS LOCATIONS**

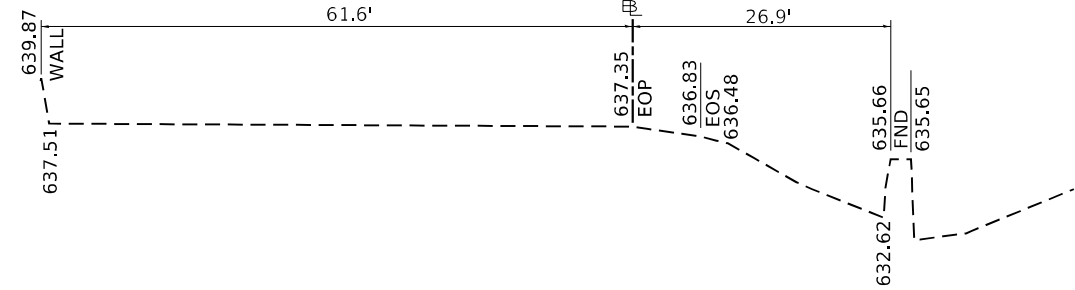
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 46539	

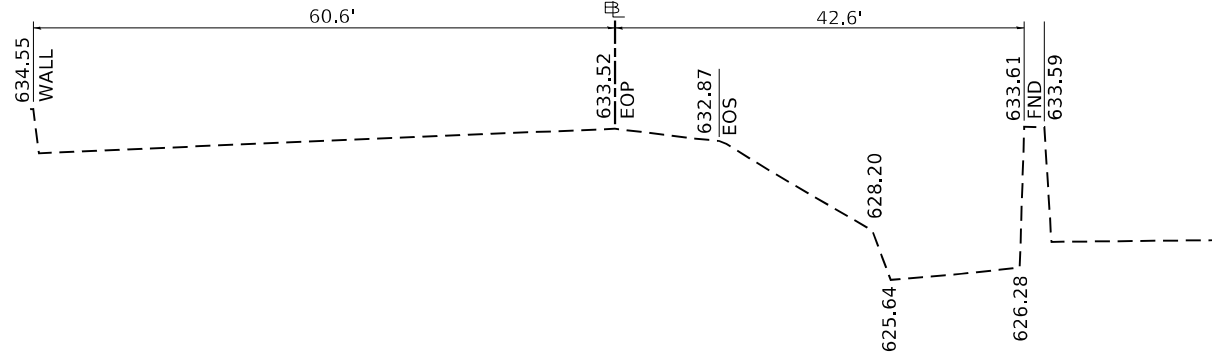
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W.B. I-94 NNB US 41 @ EDENS SPUR



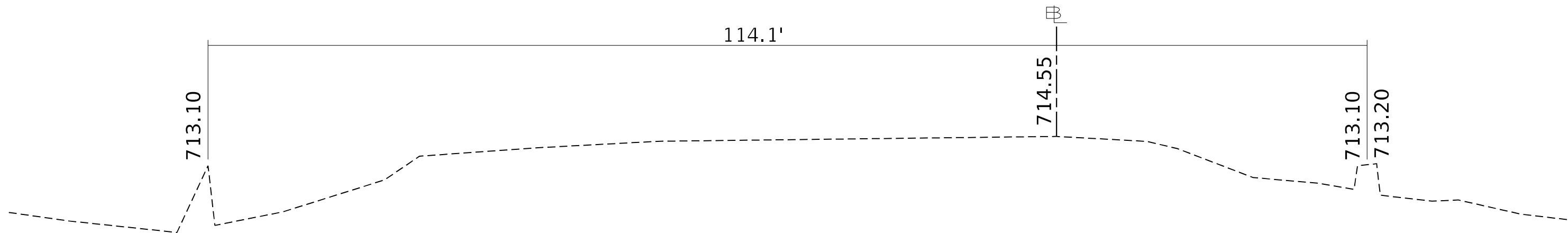
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N.B. 41 @ EXIT LAKE-COOK RD.



LOC 11 IS016I094L030.3-000
N.B. EDENS (W.B. I-94) @ E.B. DUNDEE RD.



LOC 12 IS016I057L345.0-000
I-57 SB 345 B



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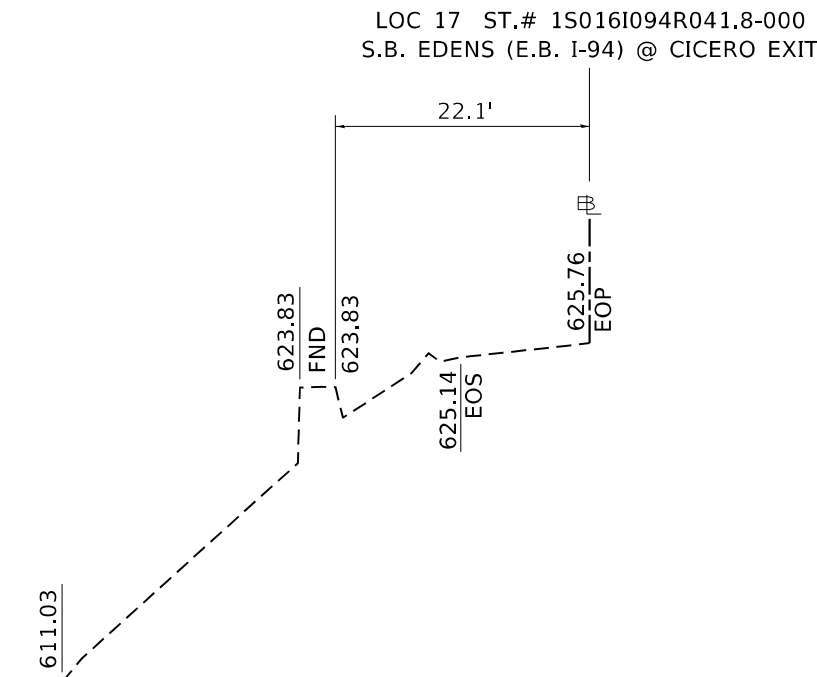
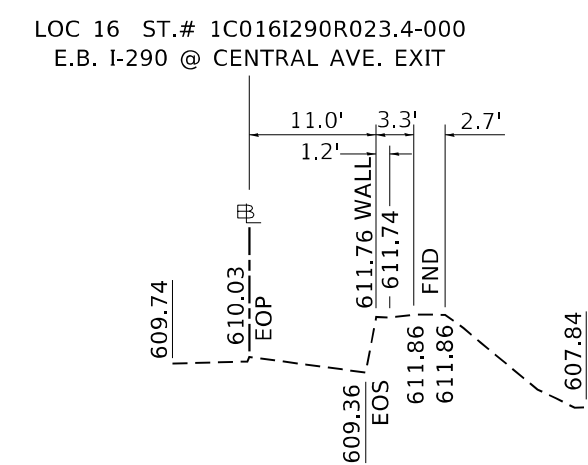
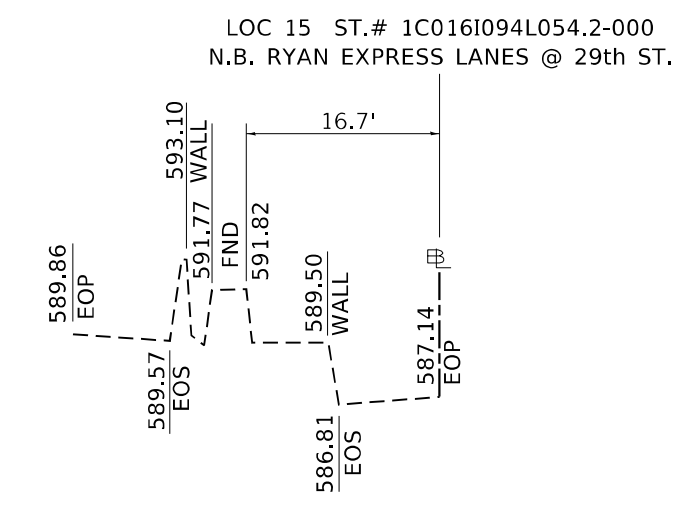
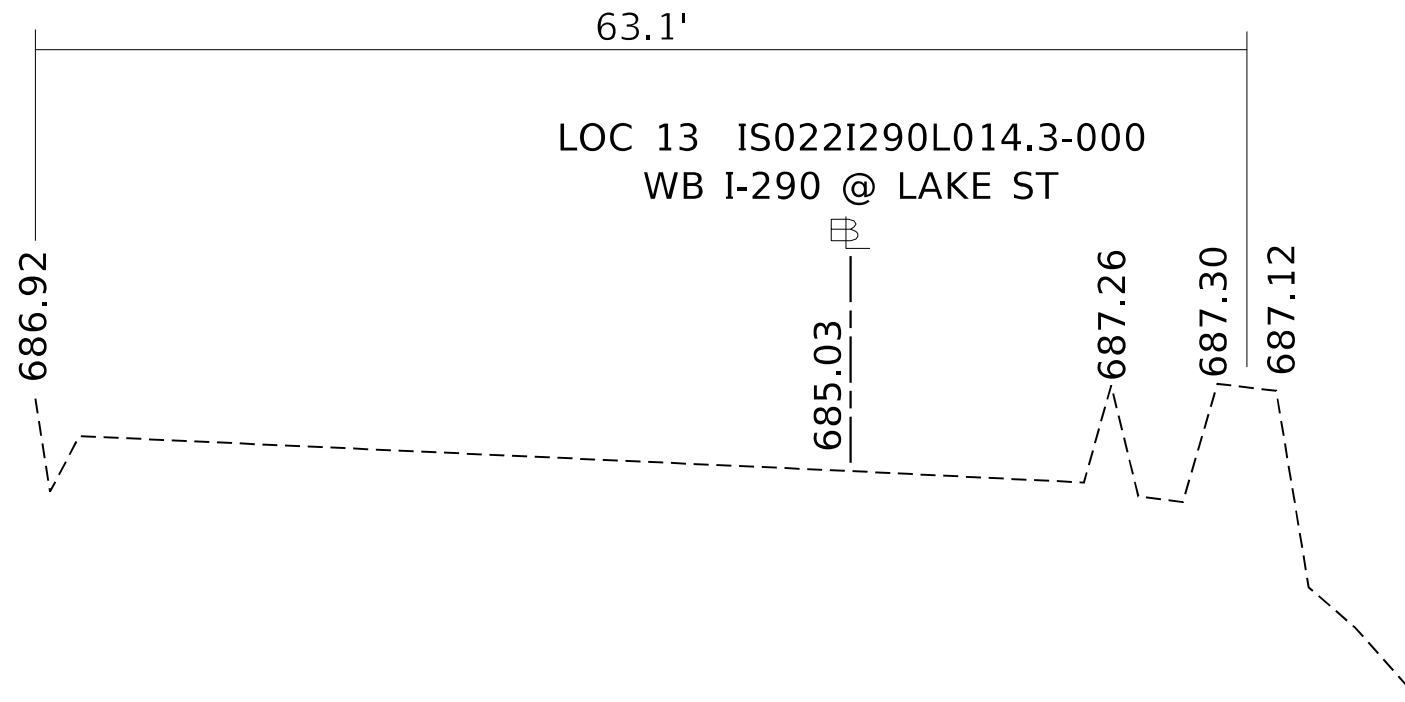
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PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE - 08/16/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN TRUSS TYPICAL SECTIONS
VARIOUS LOCATIONS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	73
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



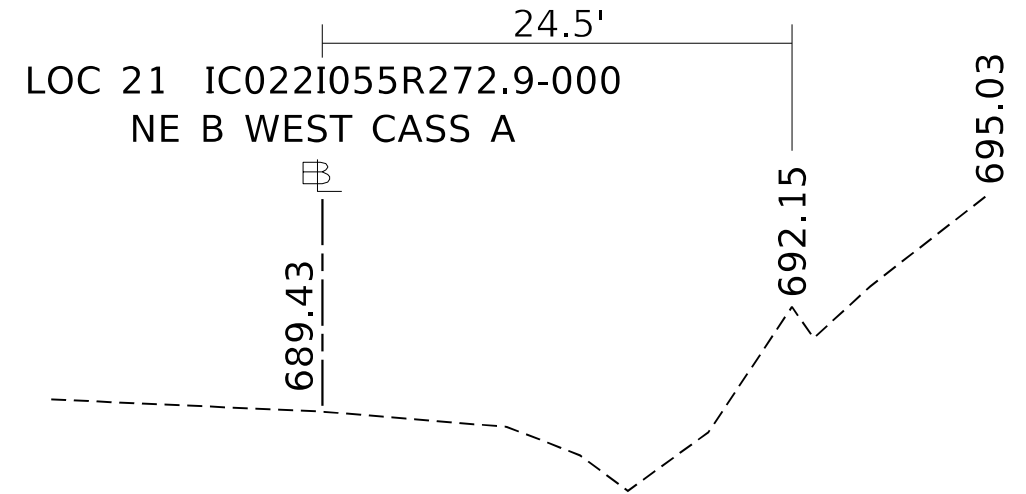
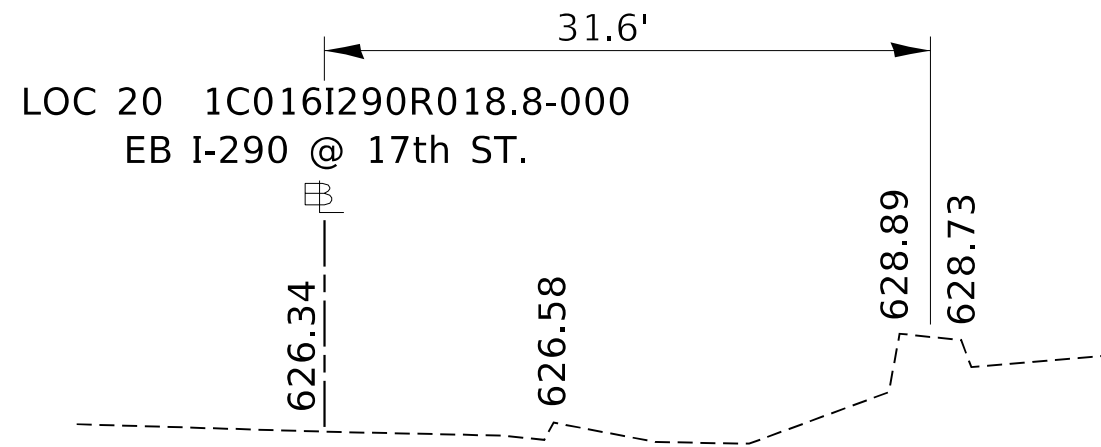
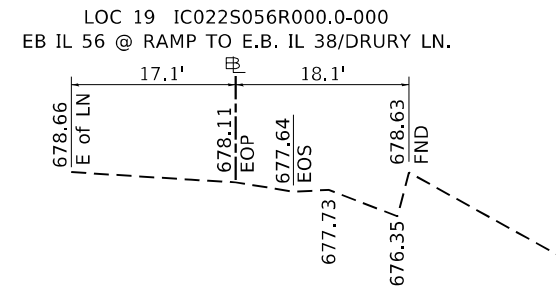
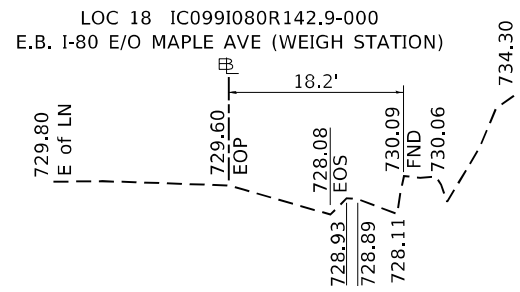
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46539	



MODEL: Default
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PLOT DATE = 9/29/2021	CHECKED -	REVISED -
	DATE - 08/16/2021	REVISED -

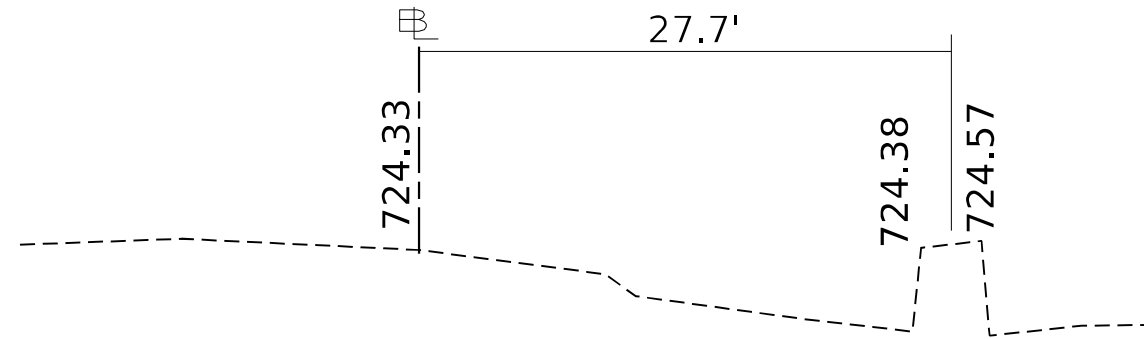
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN TRUSS TYPICAL SECTIONS
VARIOUS LOCATIONS**

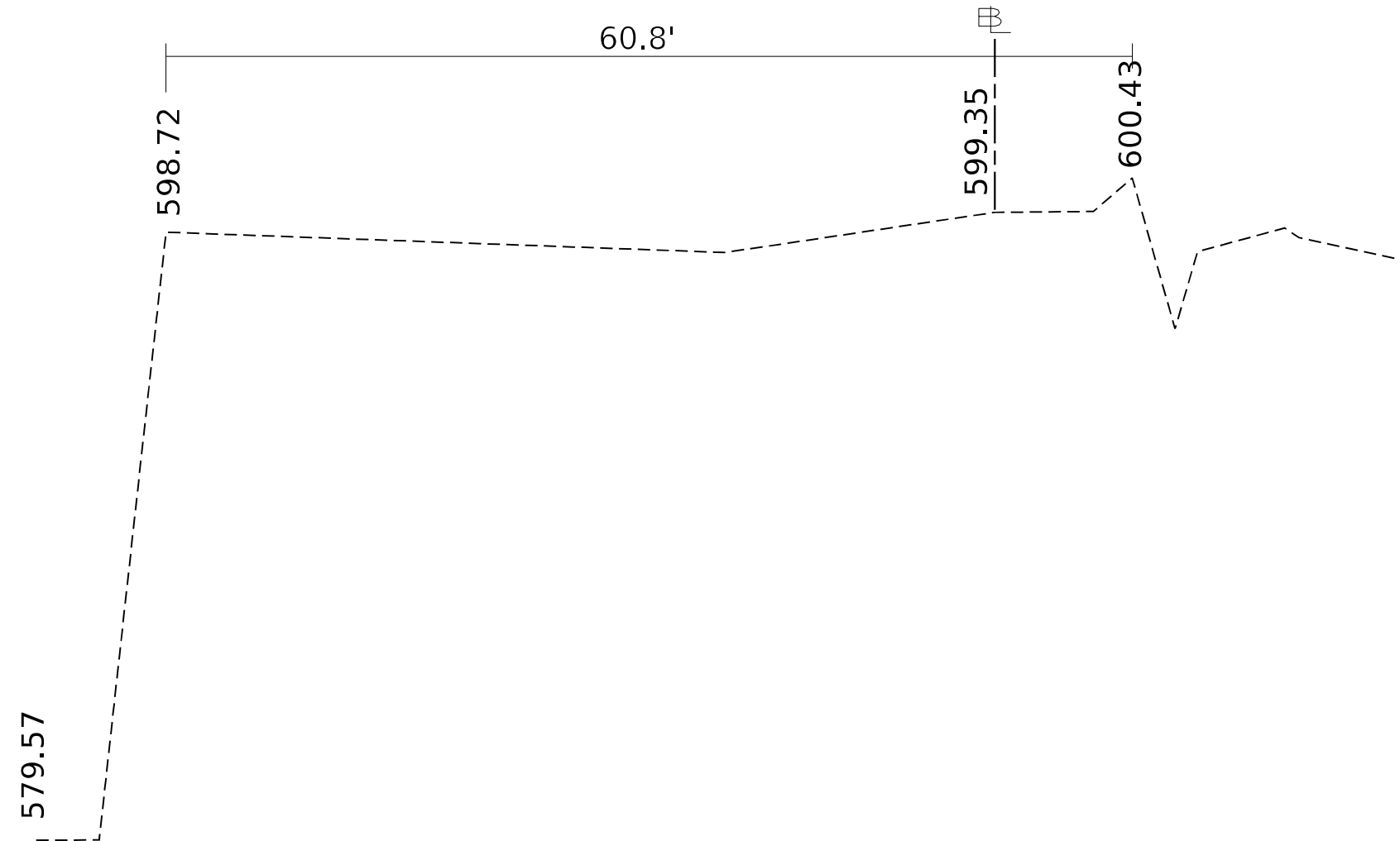
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	75
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

LOC 22 IC022S083L000.0-002
IL 83 SB 34



LOC 24 IS016I094L054.2-000
NB RAMP OVER 31 S



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	DRAWN -	REVISED -
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PLOT DATE = 9/29/2021	DATE - 08/16/2021	REVISED -

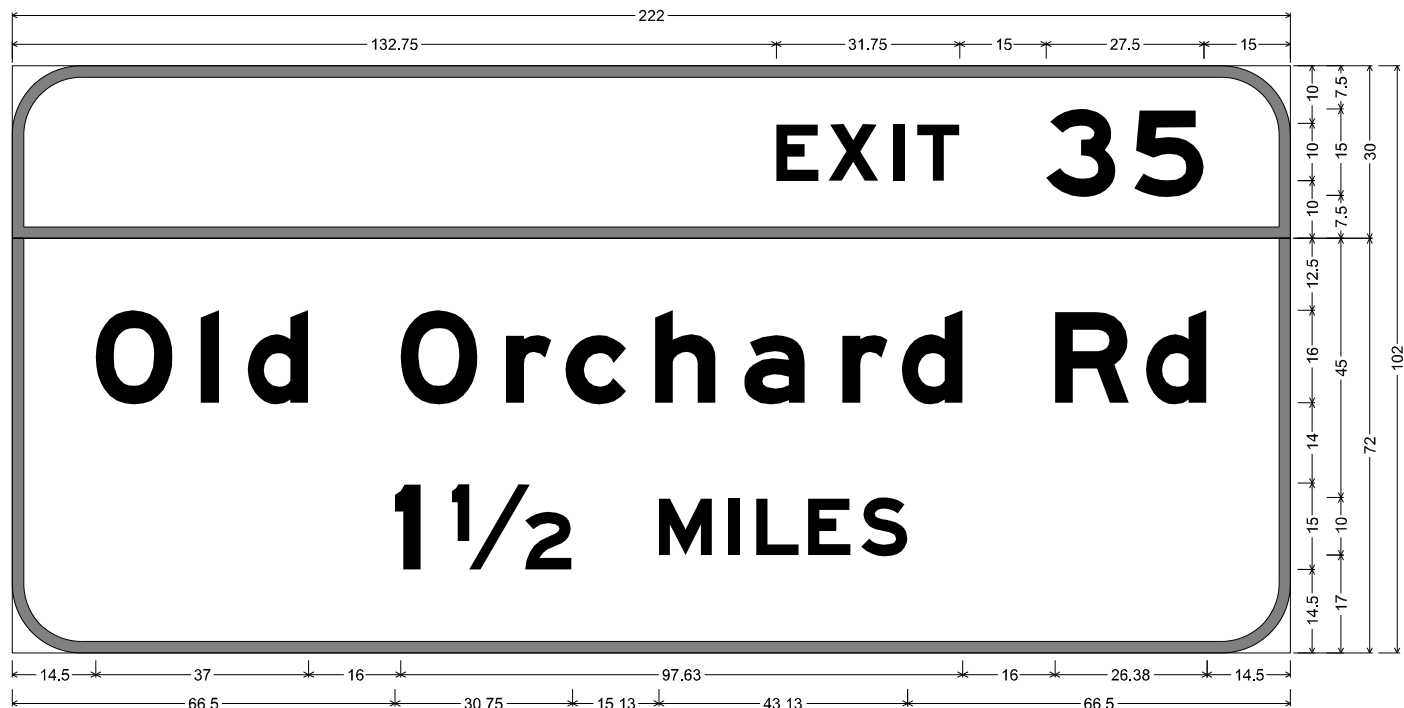
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN TRUSS TYPICAL SECTIONS VARIOUS LOCATIONS				
SCALE: NONE	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVH SIN STR REPL 20-27	VARIOUS	119	76
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

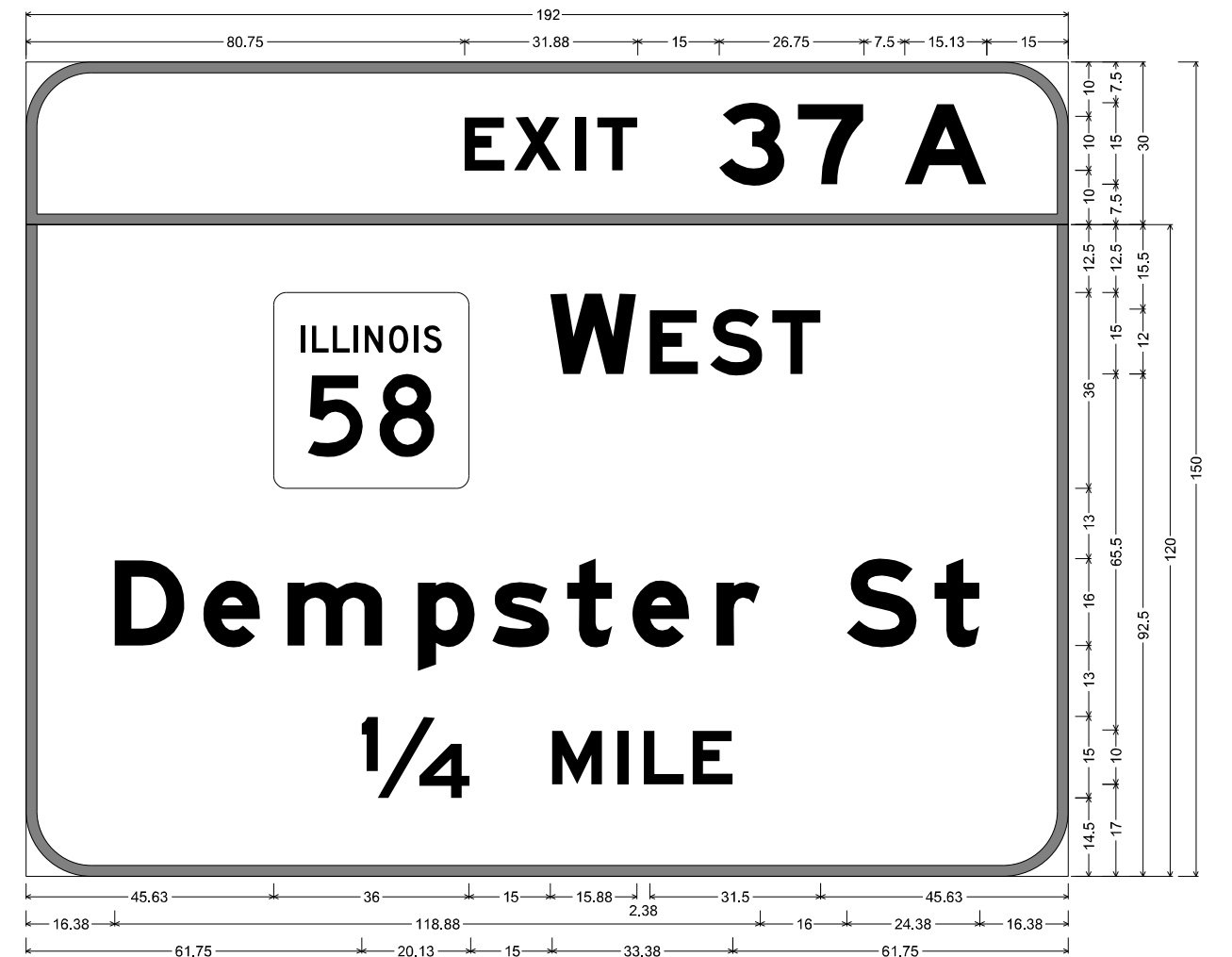
STRUCTURE NUMBER		1S0161094L037.5-000	
LOCATION		1A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	18.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	

STRUCTURE NUMBER		1S0161094L037.5-000	
LOCATION		1B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [35] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Old Orchard Rd] E Mod 2K; [1 1/2 MILES] E Mod 2K;
 Table of widths and spaces.

132.75	E	7.38	1.63	X	8.75	2.50	I	2.00	T	7.38	15.00	3	12.13	3.25	5	12.13	15.00																		
14.50	O	13.50	4.75	I	3.25	4.88	d	10.63	16.00	O	13.38	4.88	r	8.00	2.38	c	10.50	5.00	h	10.50	5.00	a	10.63	6.38	8.00	2.38	d	10.50	16.00	R	13.00	2.88	d	10.50	14.63
66.50	I	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75	S	8.13	66.50														



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [37] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Dempster St] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

80.75	E	7.50	1.63	X	8.75	2.50	I	2.00	T	7.38	15.00	3	12.13	2.38	7	12.25	7.50	A	15.13	15.00										
45.63	W	36.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	45.63																			
16.38	D	12.88	3.38	e	10.50	5.00	m	17.63	6.38	p	10.63	3.13	s	10.63	3.13	t	8.38	3.63	e	10.50	5.00	r	8.00	16.00	S	13.00	3.13	t	8.38	16.25
61.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	61.75															

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 USER: mezag

USER NAME = mezag	DESIGNED - KK	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - KK	REVISED -
PLOT DATE = 9/29/2021	CHECKED - LP	REVISED -
	DATE - 06/20/2020	REVISED -

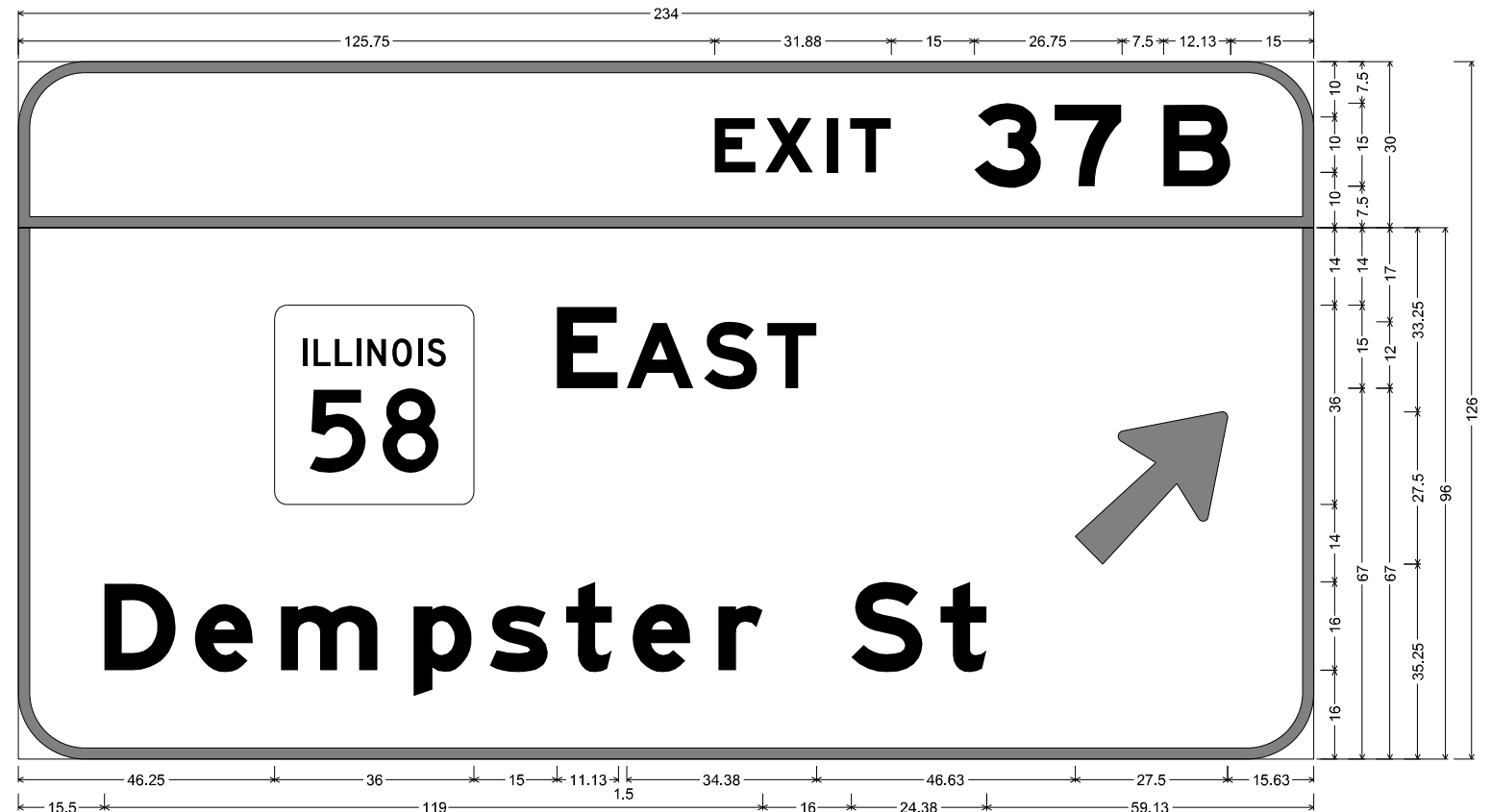
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	77
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S0161094L037.5-000	
LOCATION		1C EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	19.5' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [37] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Dempster St] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

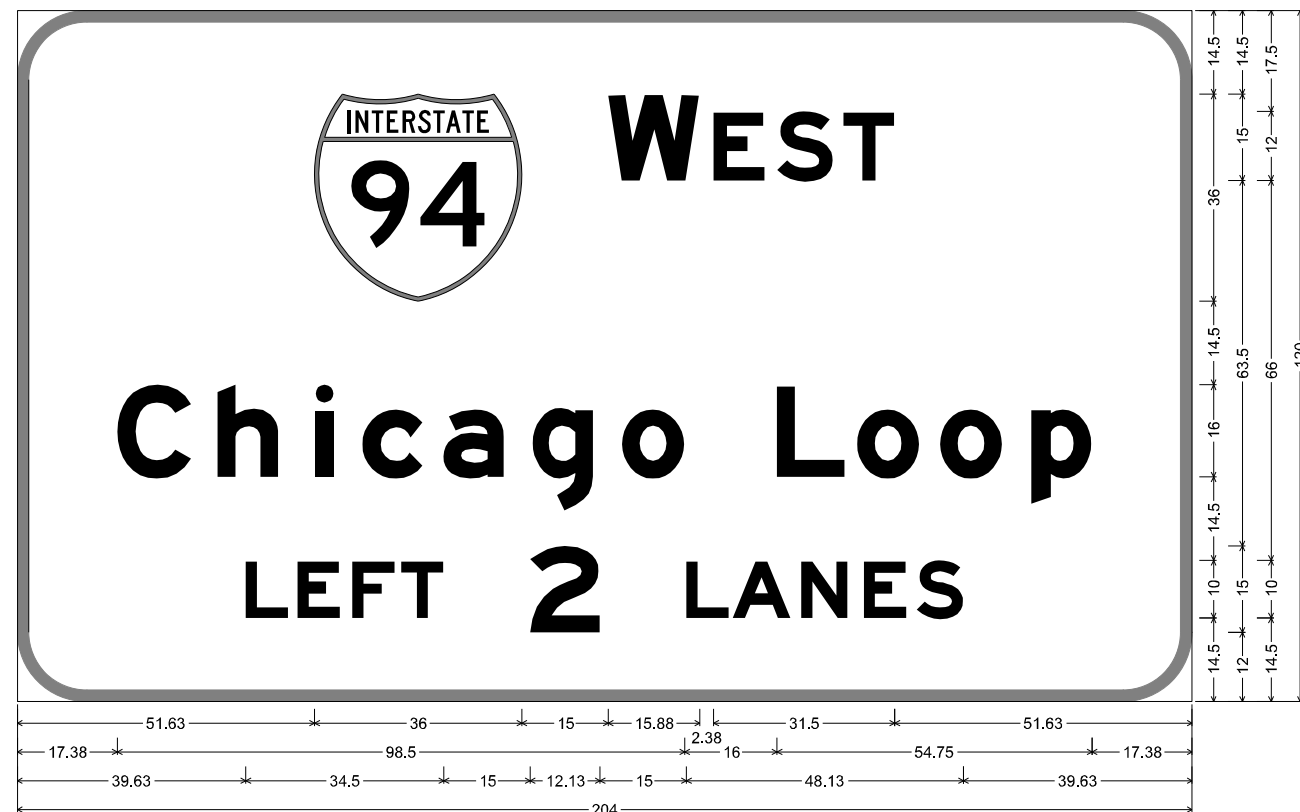
125.75	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.38	7	12.25	7.50	B	12.13	15.00									
46.25	[37]	36.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	46.75	27.50					15.63									
15.50	D	13.00	3.38	e	10.50	5.00	m	17.63	6.38	p	10.63	3.13	s	10.63	3.13	t	8.38	3.63	e	10.50	5.00	r	8.00	16.00	S	13.00	3.13	t	8.38	59.13

MODEL: Default
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USER NAME = mezag	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 40,0000 * / in.	DRAWN - KK	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	78
PLOT DATE = 9/29/2021	CHECKED - LP	REVISED -										CONTRACT NO. 46539	
	DATE - 06/20/2020	REVISED -										ILLINOIS FED. AID PROJECT	

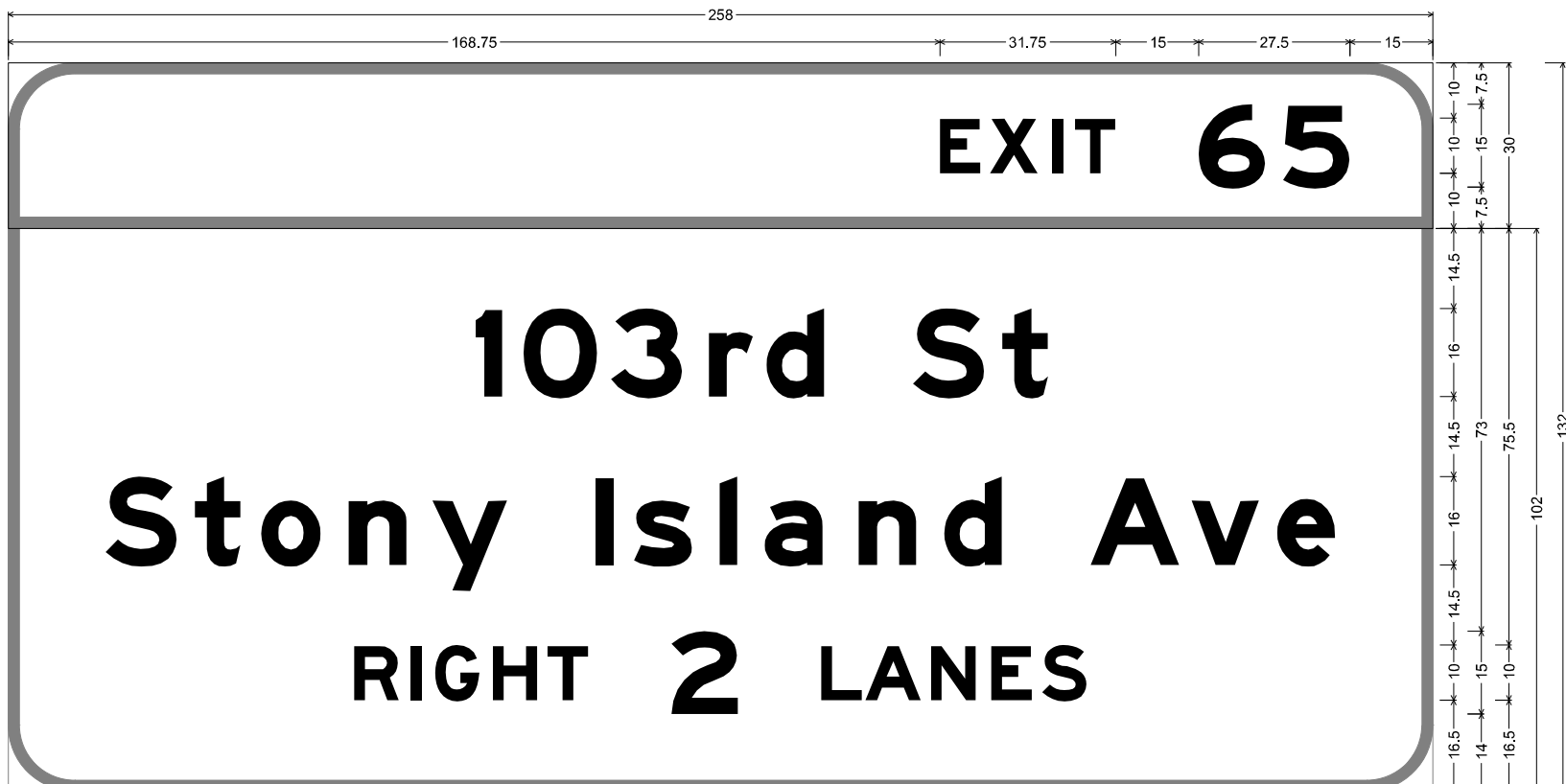
STRUCTURE NUMBER		1S016I094L066.0-000	
LOCATION		2A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	17' X 10'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		

STRUCTURE NUMBER		1S016I094L066.0-000	
LOCATION		2B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	21.5' X 11'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		



12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Chicago Loop] E Mod 2K; [LEFT 2 LANES] E Mod 2K;
 Table of widths and spaces.

51.63	36.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	51.63																							
17.38	C	13.00	4.38	h	10.63	6.38	i	3.25	4.88	c	10.63	3.50	a	10.50	5.00	g	10.50	5.00	o	10.88	16.00	L	11.88	2.00	o	10.88	3.63	o	10.88	4.88	p	10.63	17.25
39.63	L	7.50	1.50	E	7.50	2.00	F	7.50	1.00	T	7.50	15.00	Z	12.13	15.00	L	7.38	0.63	A	10.00	1.88	N	8.13	2.75	E	7.38	1.88	S	8.00	39.75			



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [65] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [103rd St] E Mod 2K; [Stony Island Ave] E Mod 2K; [RIGHT 2 LANES] E Mod 2K;
 Table of widths and spaces.

168.75	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	6	12.13	3.25	S	12.13	15.00																								
84.63	I	4.88	3.75	O	13.50	2.38	3	13.00	4.75	r	8.00	2.38	d	10.63	16.00	S	12.88	3.25	t	8.25	69.75																					
17.63	S	13.00	3.13	t	8.38	3.63	o	10.88	5.00	n	10.50	4.75	y	13.50	16.00	I	3.25	3.63	s	10.63	4.88	I	3.25	5.00	a	10.50	6.38	n	10.63	4.88	d	10.63	16.00	A	16.13	2.13	v	12.25	3.25	e	10.50	17.63
62.63	R	8.13	2.13	I	2.00	2.38	G	8.13	2.38	H	8.13	1.75	T	7.38	15.00	Z	12.13	15.00	L	7.50	0.50	A	10.13	1.88	N	8.00	2.88	E	7.38	1.75	S	8.13	62.63									

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DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

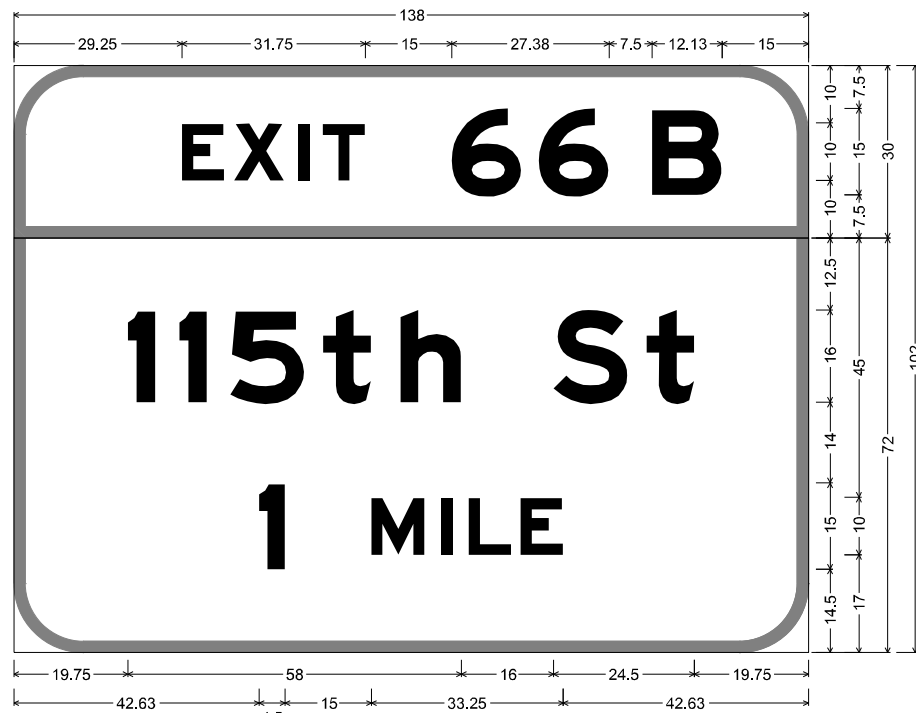
SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	119	79	
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

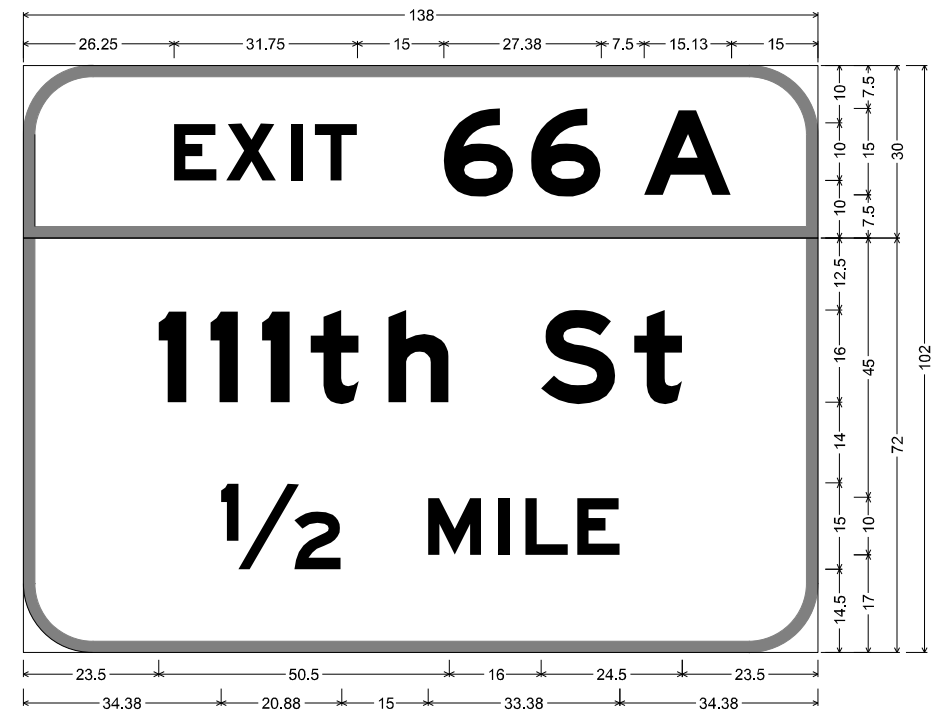
STRUCTURE NUMBER		1S016I094R065.7-000	
LOCATION		3A	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	11.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S016I094R065.7-000	
LOCATION		3B	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	11.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [66] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [115th St] E Mod 2K; [1 MILE] E Mod 2K;
 Table of widths and spaces.

29.25	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	6	12.13	3.00	6	12.25	7.50	B	12.13	15.00
19.75	I	4.88	4.13	I	4.75	4.00	S	13.00	3.25	t	8.25	5.13	h	10.63	16.00	S	12.88	3.25	t	8.25	19.88
42.63	I	4.50	15.00	M	9.25	2.88	I	2.00	2.75	L	7.38	1.63	E	7.38	42.63						



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [66] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [111th St] E Mod 2K; [1/2 MILE] E Mod 2K;
 Table of widths and spaces.

26.25	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	6	12.13	3.00	6	12.25	7.50	A	15.13	15.00
23.50	I	4.88	4.13	I	4.75	4.25	I	4.75	3.75	t	8.25	5.13	h	10.63	16.00	S	12.88	3.25	t	8.25	23.63
34.38	I	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	34.38						

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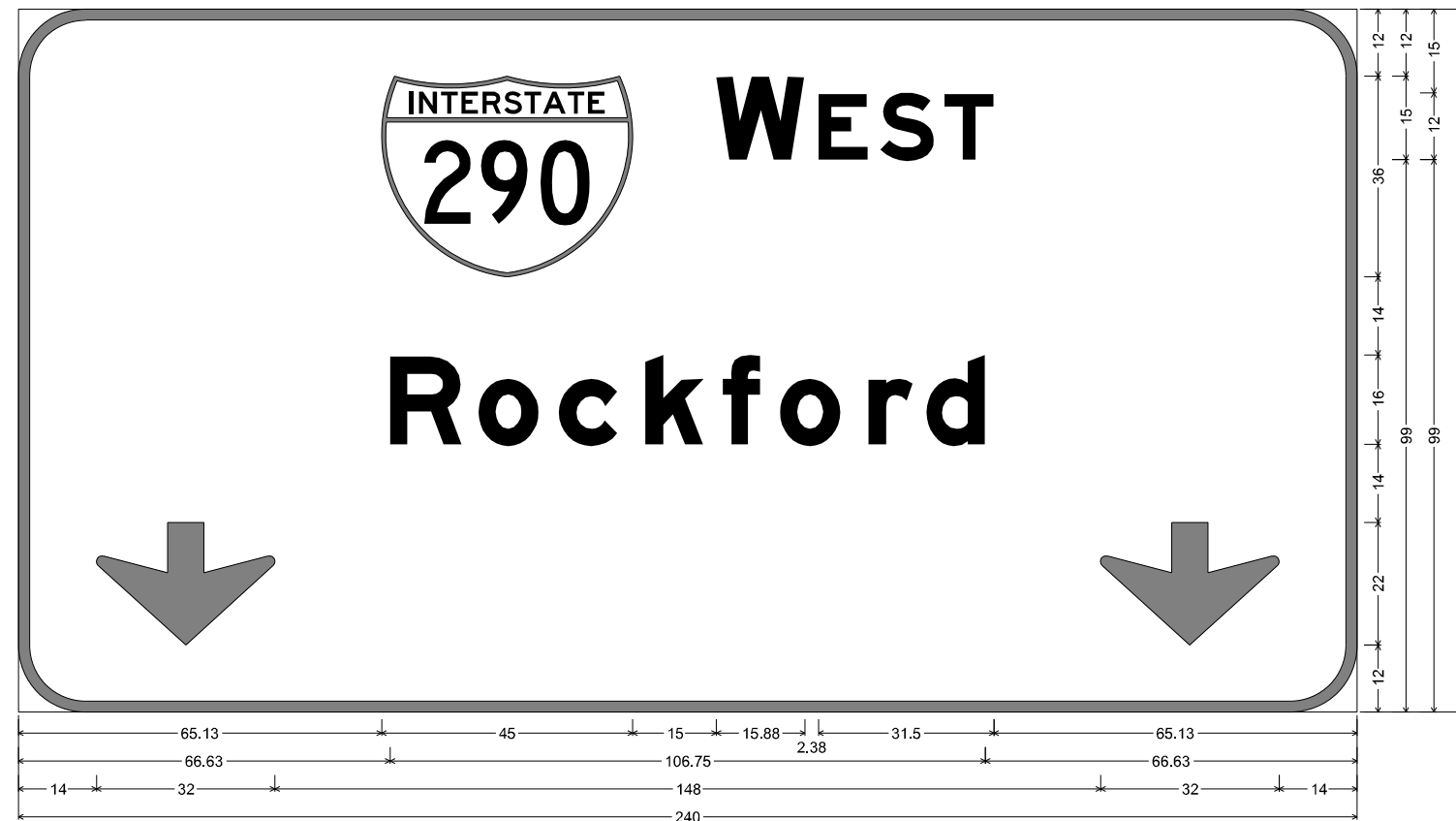
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DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	80
				CONTRACT NO. 46539
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1S022I290L000.0-001	
LOCATION		4A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	20' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Rockford] E Mod 2K; Down Arrow 22.00" 270°; Down Arrow 22.00" 270°;
 Table of widths and spaces.

65.13	45.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	65.13												
R	13.00	2.88	o	10.88	3.50	c	10.50	5.00	k	10.63	3.25	6.75	3.50	o	10.88	5.00	r	8.00	2.38	d	10.63	66.63
14.00	↓	32.00	148.00	↓	32.00	14.00																

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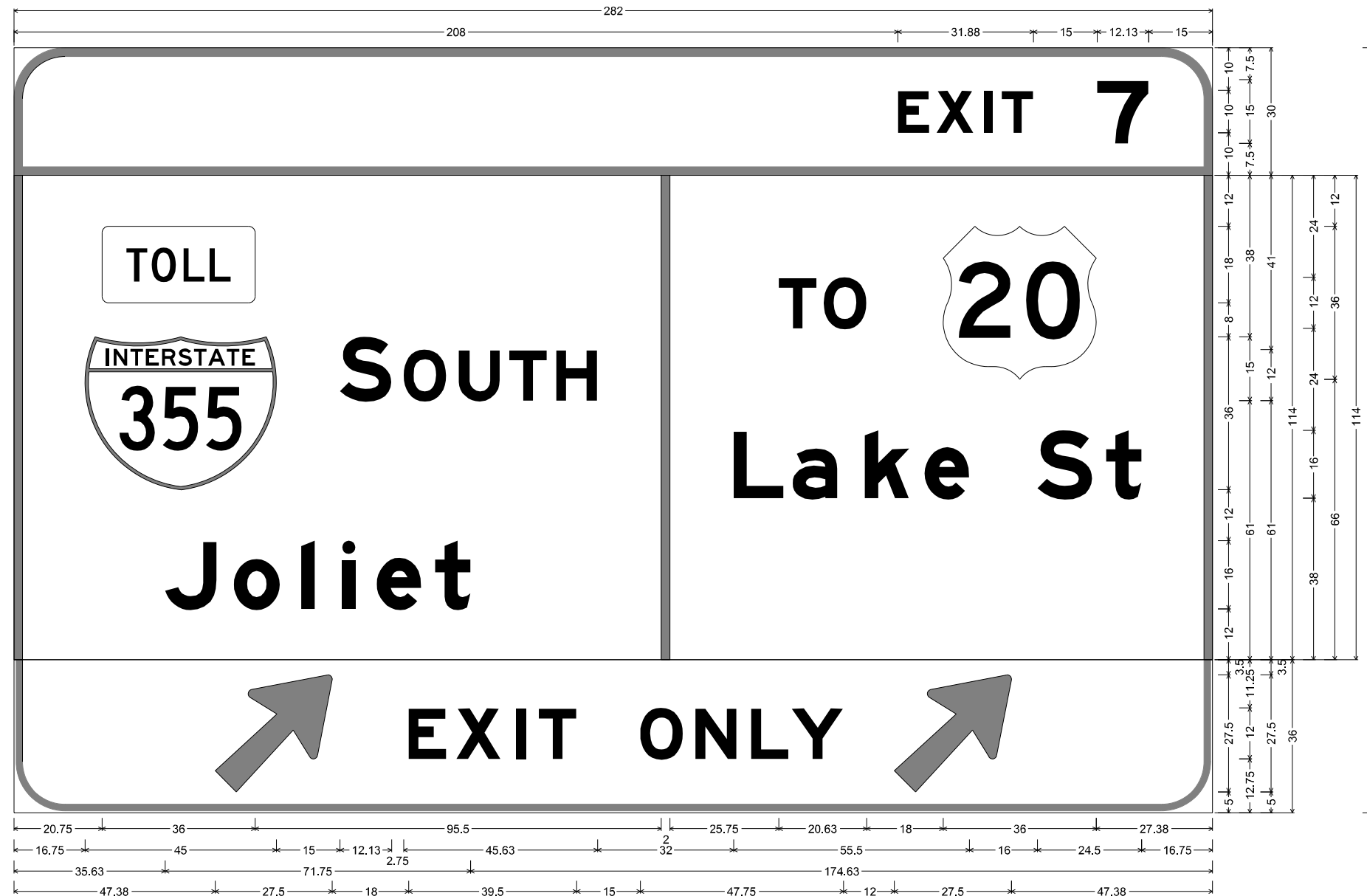
USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	81
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1S022I290L000.0-001	
LOCATION		4B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	23.5' X 15'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



DETAILS
"TOLL" PLAQUE DETAIL DESIGN



1.50" Radius, No border
[TOLL] Black D 2K;
Table of widths and spaces.

T	O	L	L
5.75	4.88	1.13	5.63
L	L	L	L
1.75	5.00	1.13	5.00
			5.75

12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [7] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
Rounded Rectangle 1.50" Radius Yellow;
[SOUTH] E Mod 2K; [Joliet] E Mod 2K; [TO] E Mod 2K; [Lake St] E Mod 2K;
12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
Arrow 160 - 35.00" 45"; [EXIT] E Mod 2K 140% spacing; [ONLY] E Mod 2K specified length; Arrow 160 - 35.00" 45";
Table of widths and spaces.

208.00	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	7	12.13	15.00												
20.75		36.00	95.50	I	2.00	25.75	T	8.88	1.63	O	10.13	18.00	36.00	27.38													
16.75	45.00	15.00	12.13	2.75	S	10.13	2.88	U	9.75	2.13	8.88	2.13	9.75	32.00	11.88	2.00	10.63	6.38	10.50	3.63	10.50	16.00	13.00	3.13	8.38	16.75	
35.63	J	12.13	4.00	O	10.88	5.00	I	3.13	6.38	i	3.25	5.00	e	10.50	3.25	t	8.25	174.63									
47.38	↗	27.50	18.00	E	8.88	2.38	X	10.38	3.50	I	2.38	3.13	8.88	15.00	O	10.00	2.88	N	9.75	3.38	8.88	0.75	12.13	12.00	27.50	47.38	

MODEL: Default; FILE: N:\ME...; PROJECT: I:\PROJECTS\16002\20CAD\00a\Traffic\CAD - Sign\CAD\ALL-SIGNS-COPY-5-05-09-2021.dgn

USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

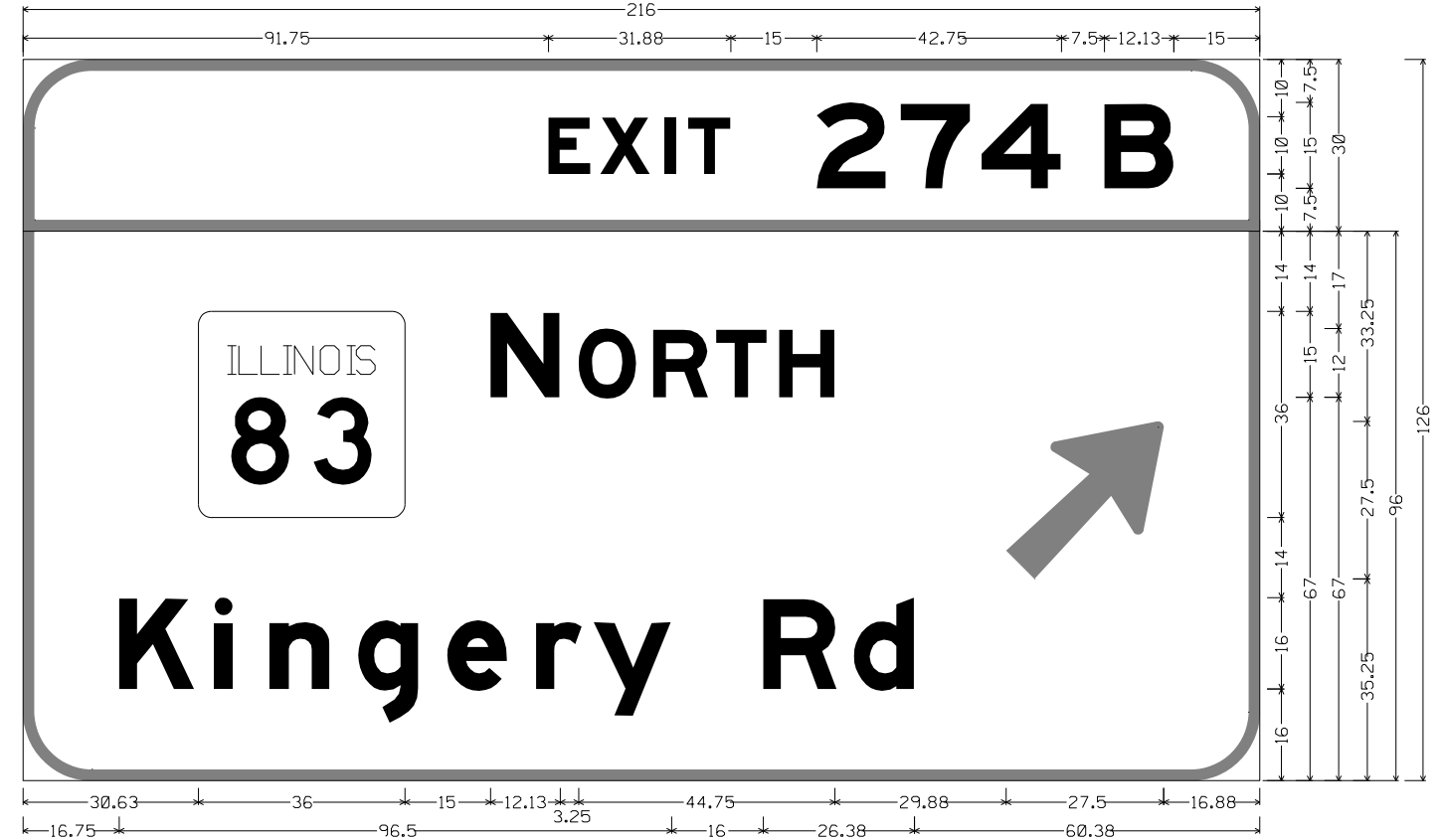
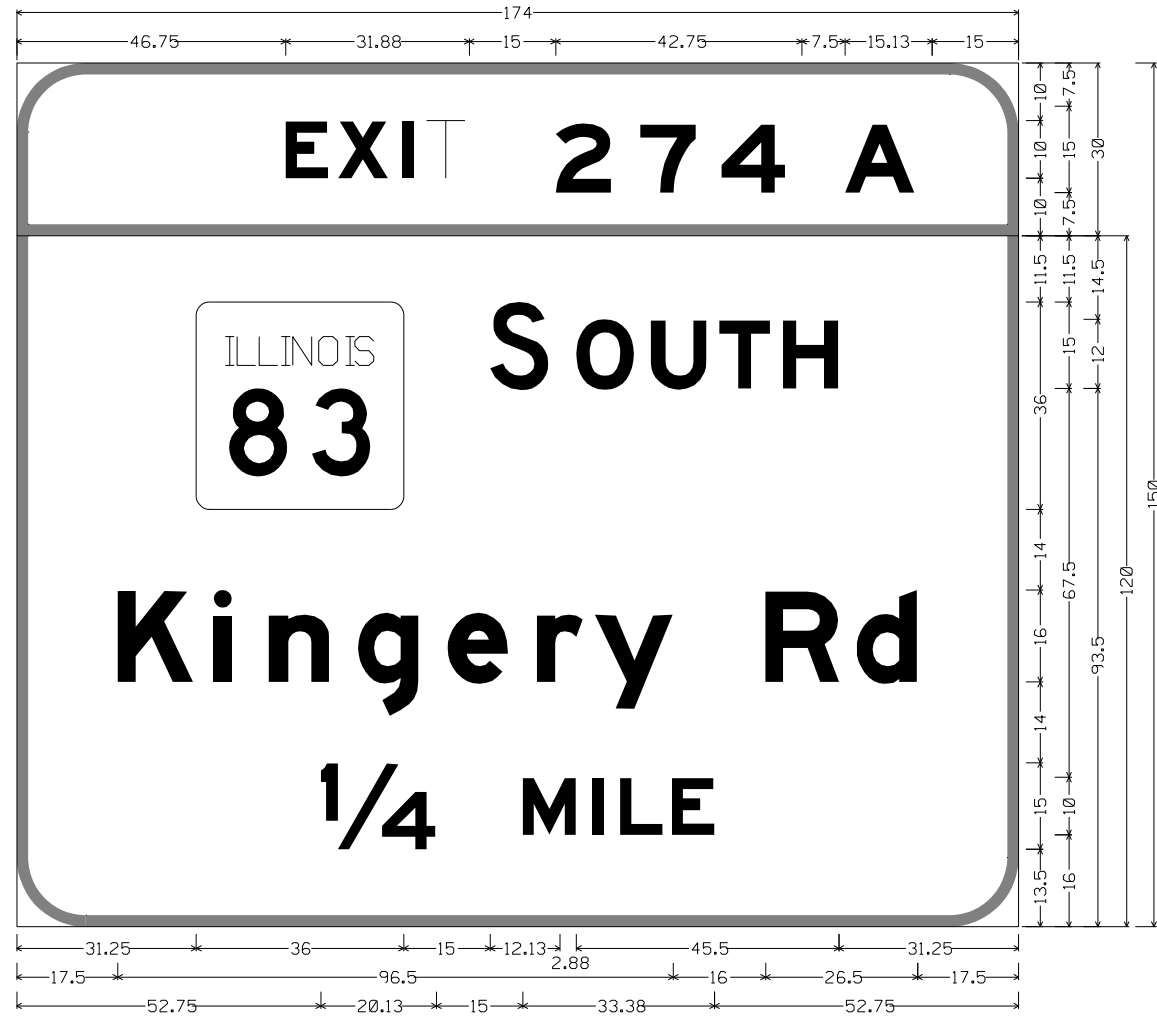
SCALE:		SHEET		OF	SHEETS	STA.	TO	STA.

SIGN PANEL DESIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	82
CONTRACT NO. 46539				
ILLINOIS		FED. AID PROJECT		

STRUCTURE NUMBER		1S0221055L274.8-000	
LOCATION		5A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S0221055L274.8-000	
LOCATION		5B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	18' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
 "EXIT", E Mod 2K 120% spacing; "274", E Mod 2K; "A", E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 "SOUTH", E Mod 2K; "Kingery Rd", E Mod 2K; "1/4 MILE", E Mod 2K;
 Table of widths and spaces

46.75	E	X	I	T	2	7	4	A	15.00
31.25	S	O	U	T	H				31.25
17.50	K	I	N	G	E	R	Y	R	17.63
52.75	1/4	M	I	L	E				52.75

12.00" Radius, 2.00" Border, White on Green;
 "EXIT", E Mod 2K 120% spacing; "274", E Mod 2K; "B", E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 "NORTH", E Mod 2K; "Kingery Rd", E Mod 2K; Arrow 160 - 35.00" 45³³/₆₄;
 Table of widths and spaces

91.75	E	X	I	T	2	7	4	B	15.00
30.63	N	O	R	T	H				16.88
16.75	K	I	N	G	E	R	Y	R	60.38

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 USER: mezag
 DATE: 9/29/2021

USER NAME	= mezag	DESIGNED	- KK	REVISED	-
PLOT SCALE	= 40,0000 */ in.	DRAWN	- KK	REVISED	-
PLOT DATE	= 9/29/2021	CHECKED	- LP	REVISED	-
		DATE	- 06/20/2020	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	83
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

DETAILS

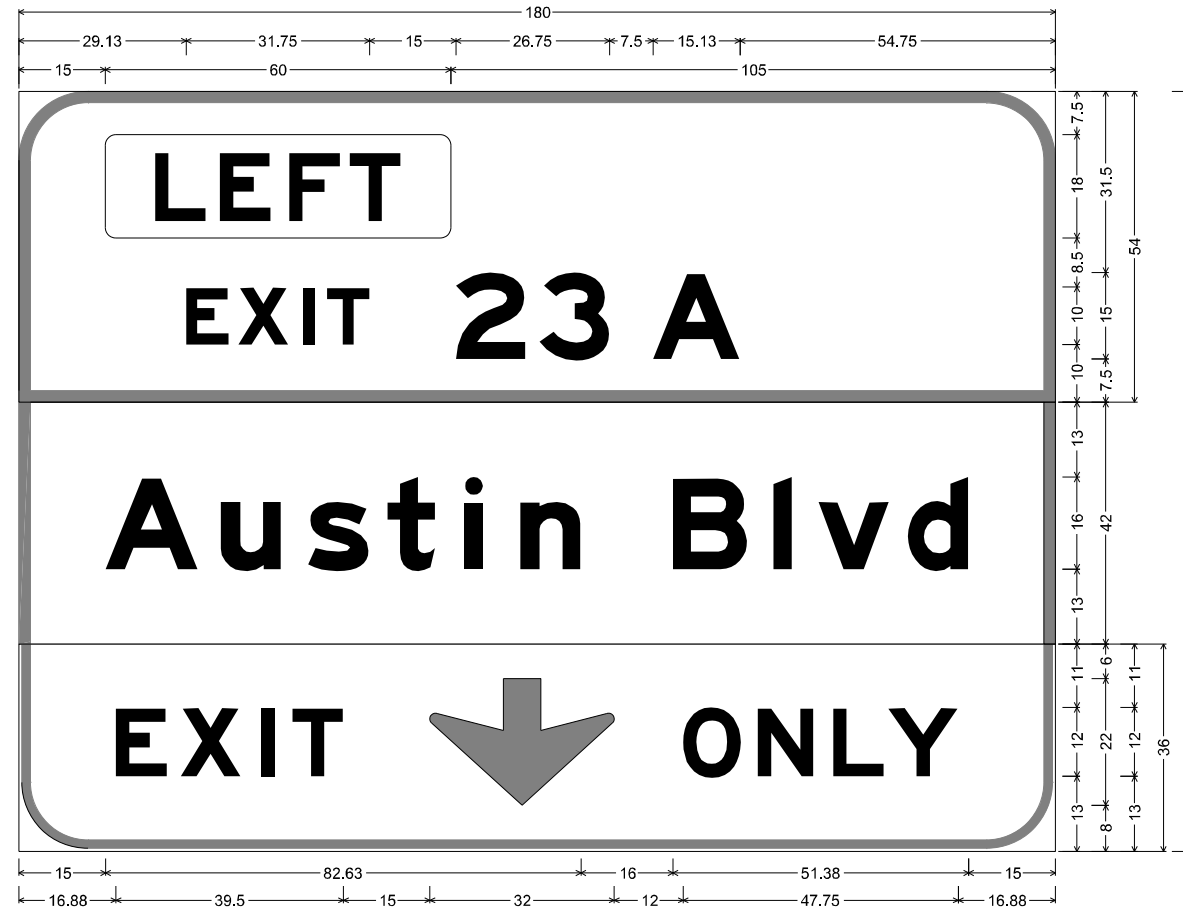
"LEFT" PLAQUE DETAIL DESIGN



1.88" Radius, 0.00" Border, White on Yellow;
[LEFT] Black E 2K 125% spacing;
Table of widths and spaces.

L	E	F	T
8.63	9.00	2.50	9.00
3.00	9.00	1.25	9.00
8.63			

STRUCTURE NUMBER		1S016I290L023.0-000
LOCATION		6A EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	15' X 11'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		LEFT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:



12.00" Radius, 2.00" Border, White on Green;
Rounded Rectangle 1.88" Radius Yellow;
[EXIT] E Mod 2K 120% spacing; [23] E Mod 2K; [A] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[Austin Blvd] E Mod 2K;
12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
[EXIT] E Mod 2K 140% spacing; Down Arrow 22.00" 270°; [ONLY] E Mod 2K;
Table of widths and spaces.

15.00	60.00	105.00																												
29.13	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	2	12.13	2.38	3	12.25	7.50	A	15.13	54.75									
15.00	A	16.25	3.75	u	10.63	4.63	s	10.50	3.25	t	8.25	5.13	i	3.25	6.38	n	10.63	16.00	B	12.88	4.50	l	3.25	4.63	v	12.25	3.25	d	10.50	15.13
16.88	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	8.88	15.00	32.00	12.00	O	10.00	2.88	N	9.75	3.38	L	8.88	0.75	Y	12.13	16.88				

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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46539	

DETAILS

"LEFT" PLAQUE DETAIL DESIGN



1.88" Radius, 0.00" Border, White on Yellow;
[LEFT] Black E 2K 125% spacing;
Table of widths and spaces.

L	E	F	T
8.63	9.00	2.50	9.00
3.00	9.00	1.25	9.00
8.63			



12.00" Radius, 2.00" Border, White on Green;
Rounded Rectangle 1.88" Radius Yellow;
[EXIT] E Mod 2K 120% spacing; [21] E Mod 2K; [A] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[Harlem Ave] E Mod 2K; [2] E Mod 2K; [MILES] E Mod 2K;
Table of widths and spaces.

15.00	60.00	105.00
29.13	7.38	1.75
8.63	2.50	2.00
2.25	7.38	14.88
12.25	3.38	4.50
7.50	15.13	61.38
72.00	36.00	72.00
16.38	12.88	4.00
10.63	6.38	8.00
3.75	3.25	5.00
10.50	5.00	17.63
16.00	16.13	2.13
12.25	3.25	10.50
16.38		
54.88	12.13	15.00
9.25	2.88	1.88
2.88	7.38	1.63
7.38	1.75	8.13
54.88		

STRUCTURE NUMBER		1S016I290L023.0-000	
LOCATION		6B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	15' X 14'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	WHITE
		TYPE:	
		COLOR:	

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USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISED -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

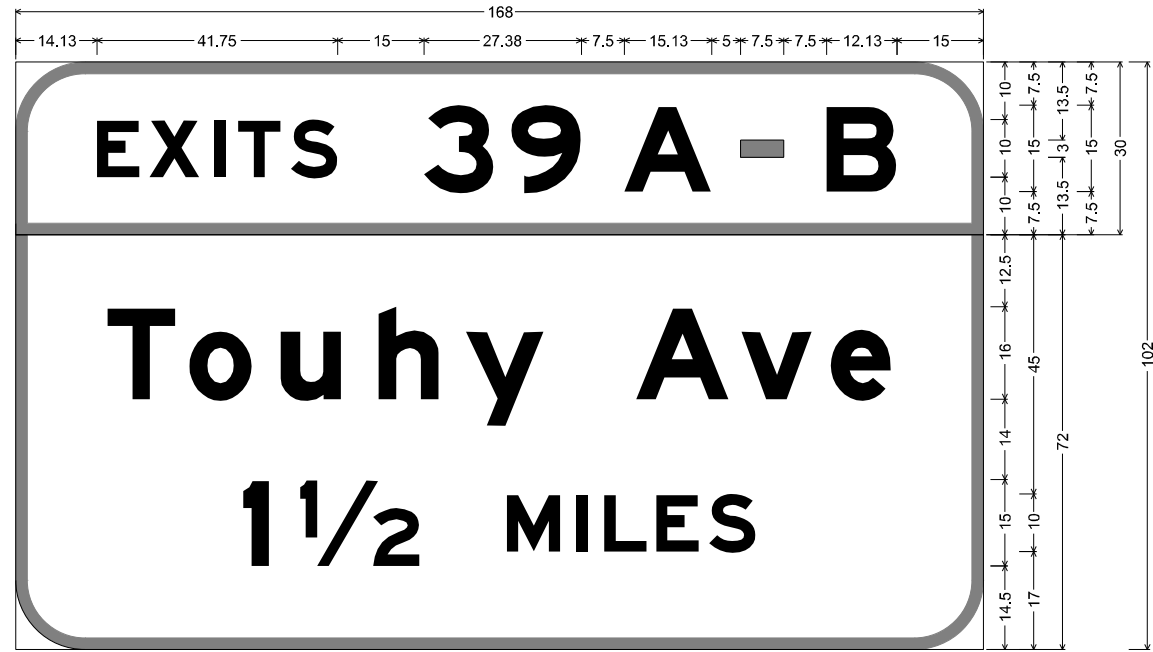
SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	85
CONTRACT NO. 46539			ILLINOIS FED. AID PROJECT	

STRUCTURE NUMBER		1S016I094L041.5-000	
LOCATION		7A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	

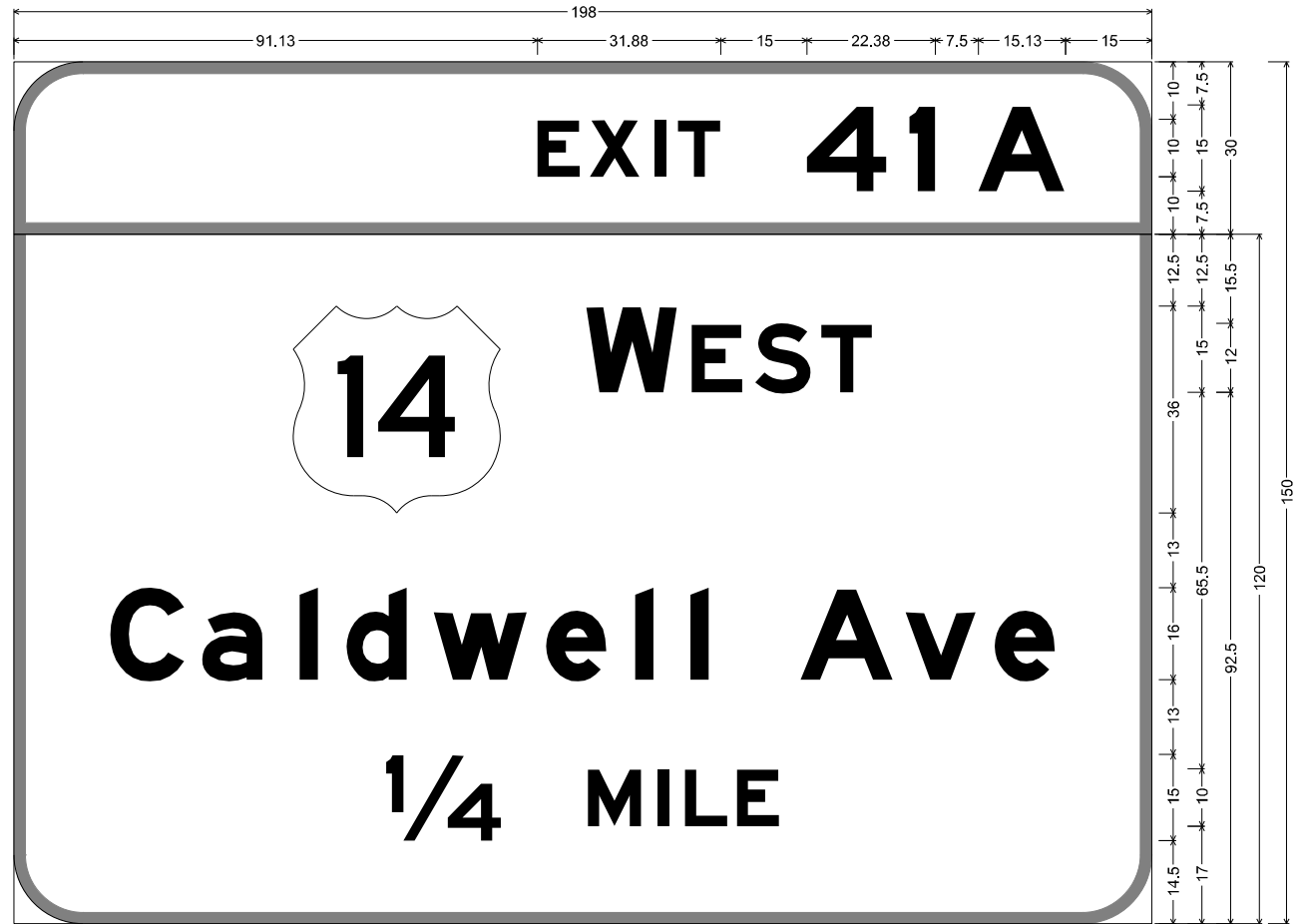
STRUCTURE NUMBER		1S016I094L041.5-000	
LOCATION		7B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	



15.88	75.88	16	44.38	15.88
39.5	30.75	15.13	43.13	39.5

12.00" Radius, 2.00" Border, White on Green;
 [EXITS] E Mod 2K 120% spacing; [39] E Mod 2K; [A] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Touhy Ave] E Mod 2K; [1 1/2 MILES] E Mod 2K;
 Table of widths and spaces.

14.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	1.75	S	8.13	15.00	3	12.13	3.00	9	12.13	7.50	A	15.25	5.00	□	7.50	7.50	B	12.13	15.00
15.88	T	11.88	2.38	o	10.88	5.00	u	10.50	6.50	h	10.50	4.63	y	13.63	16.00	A	16.13	2.13	v	12.25	3.25	e	10.50	16.00						
39.50	I	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75	S	8.13	39.50									



48.63	36	15	15.88	31.5	48.63
16.75	104.13	2.38	16	44.38	16.75
64.75	20.13	15	33.38	64.75	

12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Caldwell Ave] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

91.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	4	13.88	4.00	I	4.50	7.50	A	15.13	15.00												
48.63	□	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	48.63																		
16.75	C	13.00	3.00	a	10.63	6.38	I	3.13	5.00	d	10.50	4.75	w	16.25	3.25	e	10.50	5.00	I	3.13	6.50	I	3.13	16.00	A	16.13	2.13	v	12.38	3.13	e	10.63	16.75
64.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	64.75																		

MODEL: Default; FILE: N:\MIS_Plan\Project\aw_beaufay.com\PIV\DOT\Documents\DOT_Offices\District_11\Project\116002\20CAD\00a\Traffic\CAD_Sign\CAD\ALL-SIGNS-COPY-5-05-09-2021.dgn

USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	86
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S016I094L041.5-000	
LOCATION		7C EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	20' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Peterson Ave] E Mod 2K; Arrow 160 - 35.00° 45°;
 Table of widths and spaces.

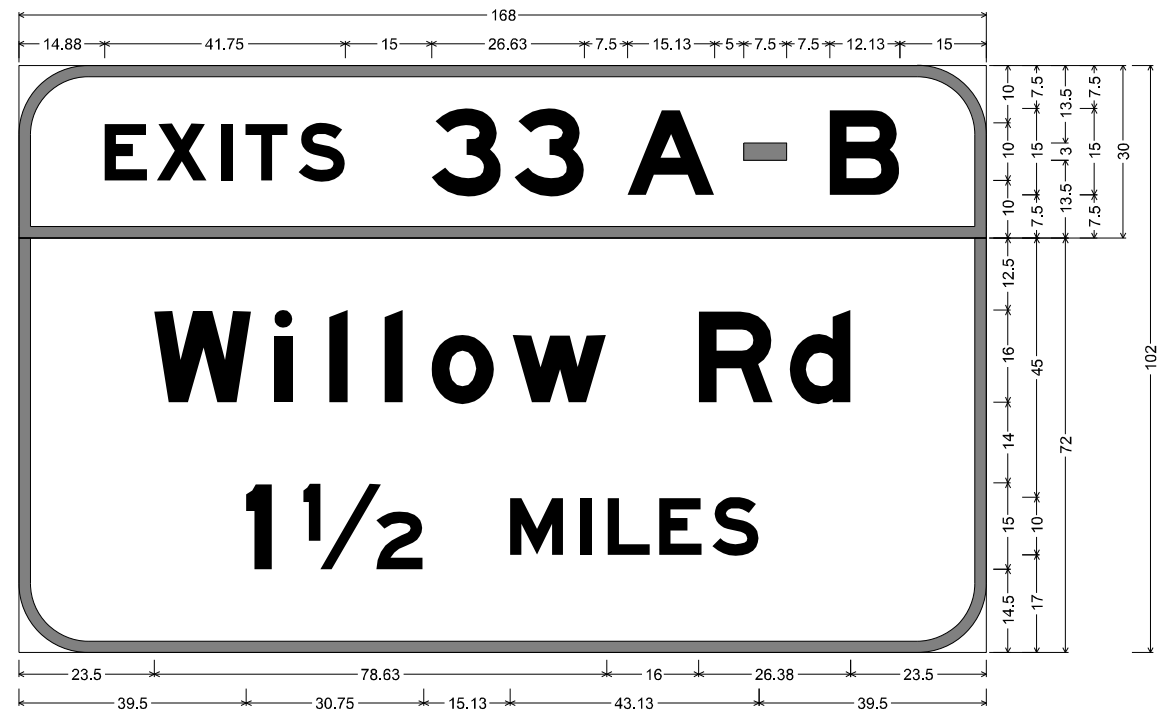
136.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	4	13.88	4.00	I	4.50	7.50	B	12.13	15.00												
49.75	(E)	36.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	49.88	27.50	15.00																
15.00	P	13.00	2.38	e	10.50	3.25	t	8.25	3.75	e	10.50	5.00	r	8.00	2.13	s	10.50	3.50	o	10.88	5.00	n	10.50	16.00	A	16.25	2.00	v	12.38	3.13	e	10.63	57.50

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USER NAME = mezag	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - KK	REVISED -					D-1	OVD SIN STR REPL 20-27	VARIOUS	119	87		
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -						CONTRACT NO. 46539				
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

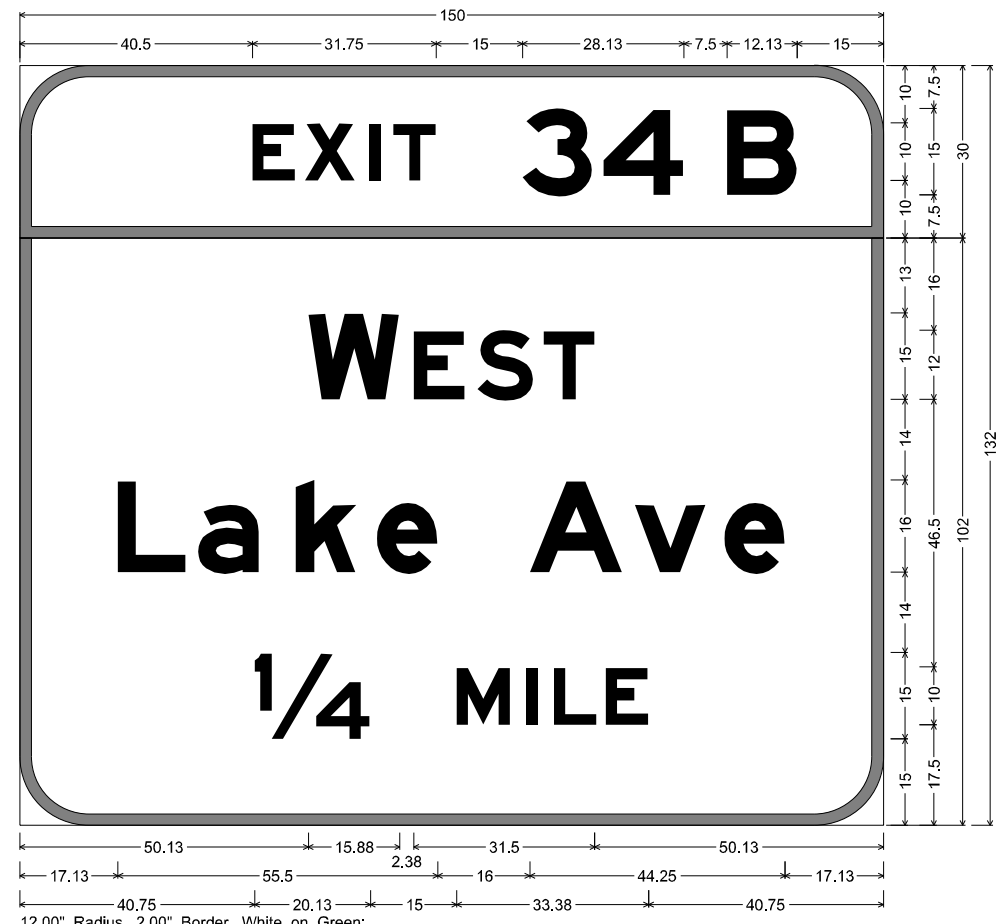
STRUCTURE NUMBER		1S016I094L034.6-000	
LOCATION		8A	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		

STRUCTURE NUMBER		1S016I094L034.6-000	
LOCATION		8B	EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12.5' X 11'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		



12.00" Radius, 2.00" Border, White on Green;
 [EXITS] E Mod 2K 120% spacing; [33] E Mod 2K; [A] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Willow Rd] E Mod 2K; [1 1/2 MILES] E Mod 2K;
 Table of widths and spaces.

14.88	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	1.75	S	8.13	15.00	3	12.13	2.25	3	12.13	7.50	A	15.25	5.00	□	7.50	B	12.13	15.00
23.50	W	17.00	3.88	i	3.13	6.38	i	3.25	6.38	i	3.25	4.88	o	10.88	3.25	w	16.25	16.00	R	13.00	2.88	d	10.63	23.50					
39.50	I	4.50	5.38	1/2	20.88	15.00	M	9.38	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38	1.75	S	8.13	39.50								



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [34] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Lake Ave] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

40.50	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.00	4	14.00	7.50	B	12.13	15.00								
50.13	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	8.88	50.13																		
17.13	L	11.75	2.13	a	10.50	6.50	k	10.50	3.50	e	10.63	16.00	A	16.13	2.13	v	12.25	3.25	e	10.50	17.13								
40.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	40.75														

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USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

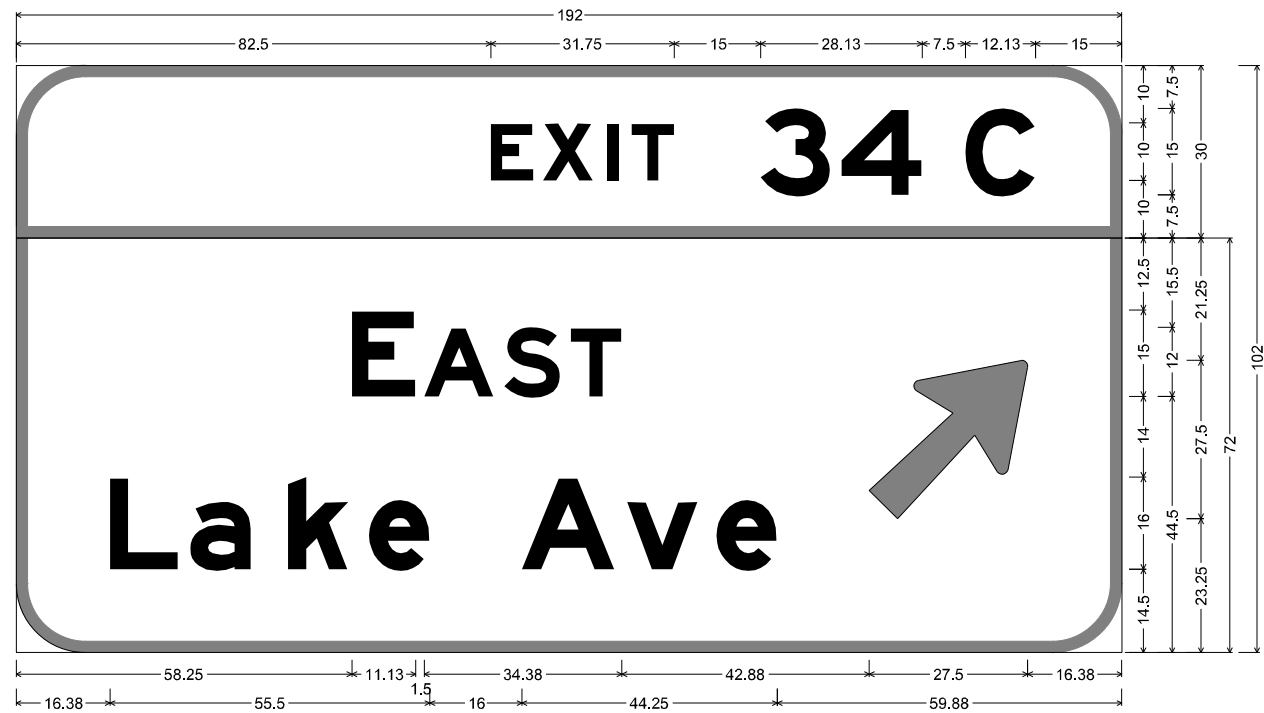
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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SIGN PANEL DESIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	ILLINOIS	119	88
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S016I094L034.6-000	
LOCATION		8C EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [34] E Mod 2K; [C] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Lake Ave] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

82.50	E	7.38	X	1.63	8.75	2.50	I	2.00	2.13	7.38	15.00	3	12.13	2.00	4	14.00	7.50	C	12.13	15.00	
58.25	E	11.13	A	1.50	12.13	1.75	S	9.75	1.75	8.88	43.00	27.50	16.38								
16.38	L	11.75	a	2.13	10.50	6.50	k	10.50	3.50	e	10.63	16.00	A	16.13	2.00	v	12.38	3.25	e	10.50	59.88

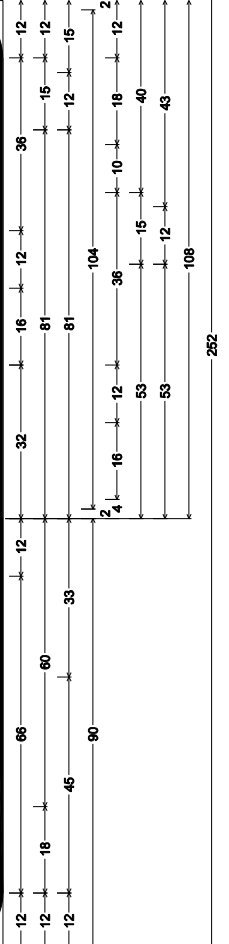
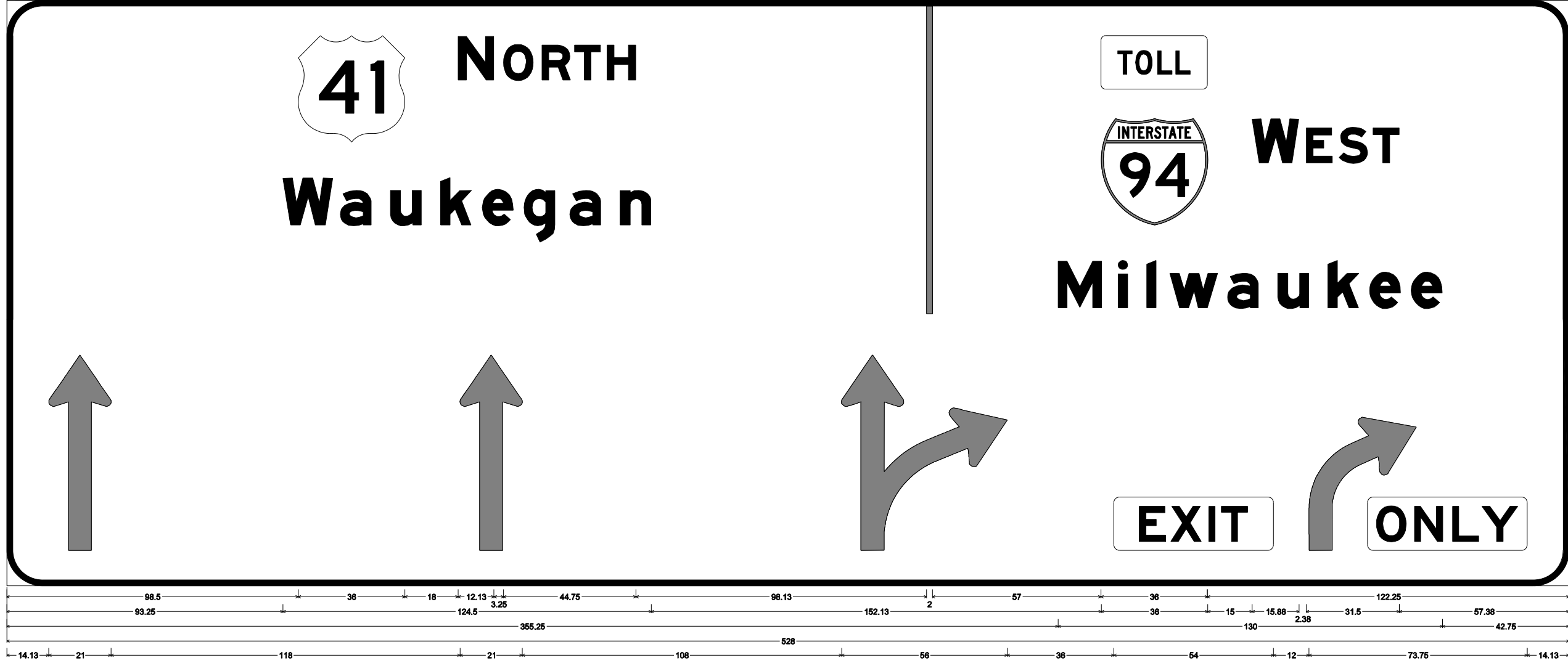
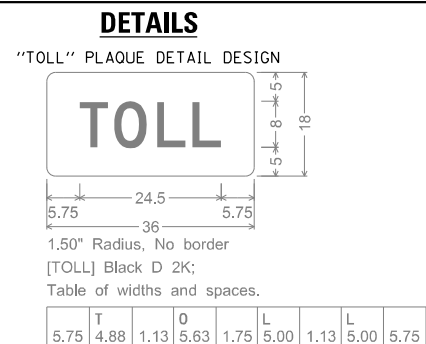
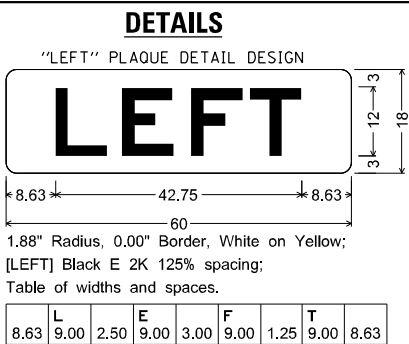
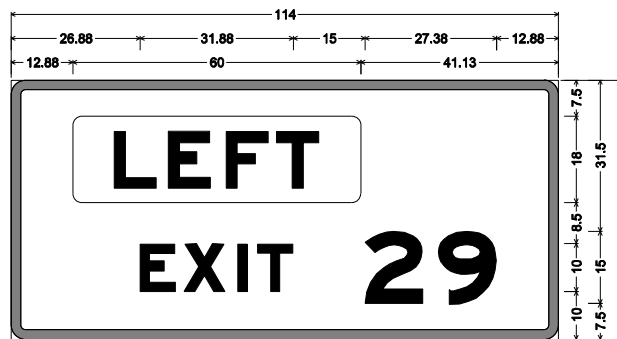
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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

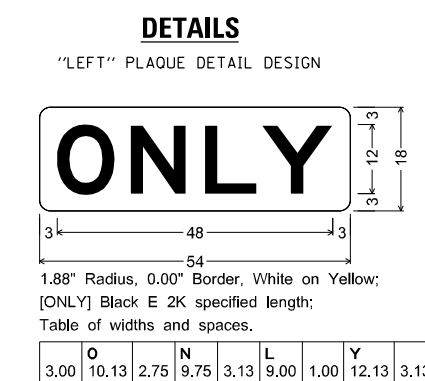
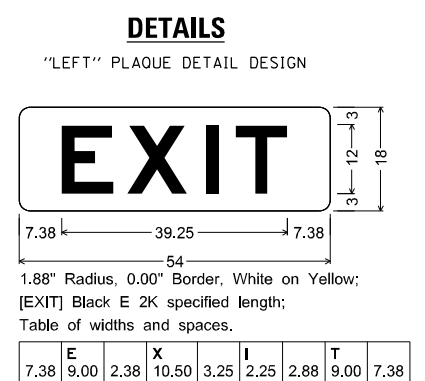
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	ILLINOIS	119	89
			CONTRACT NO. 46539	
ILLINOIS FED. AID PROJECT				



3.00" Radius, 2.00" Border, White on Green;
Rounded Rectangle 1.88" Radius Yellow;
[EXIT] E Mod 2K 120% spacing; [29] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[] E Mod 2K; [NORTH] E Mod 2K; [Waukegan] E Mod 2K; [] E Mod 2K; [] E Mod 2K; Rounded Rectangle 1.50" Radius Yellow;
[WEST] E Mod 2K; [Milwaukee] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
thru arrow; thru arrow; Straight and Thru; Rounded Rectangle 1.88" Radius Yellow;
arrow-right-exit;

Table of widths and spaces.

12.88	60.00	455.13																								
26.88	7.38	1.75	8.63	2.50	2.00	2.25	7.38	15.00	2	12.13	3.13	9	12.13	426.88												
98.50	36.00	18.00	12.13	3.25	10.00	2.88	9.75	1.38	8.88	2.13	9.75	98.13	2.00	57.00	36.00	122.25										
93.25	17.00	2.38	10.63	6.38	10.50	6.50	10.50	3.50	10.63	3.50	10.50	5.00	10.50	6.50	10.50	152.13	36.00	15.00	15.88	2.38	8.88	2.13	9.75	1.88	8.88	57.38
355.25	14.88	5.50	3.13	6.50	3.13	4.63	16.38	3.13	10.63	6.38	10.50	6.50	10.50	3.50	10.63	3.50	10.50	42.88								
14.13	21.00	118.00	21.00	108.00	56.00	36.00	54.00	12.00	73.75	14.13																



STRUCTURE NUMBER		ISO161094L030.0-000	
LOCATION		9 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	9.5' X 4.5'	
	MAIN PANEL	44' X 16.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE

MODEL: Default; FILE: N:\MIS\paw\buildact-paw-beadefw.com\PIV\DOT\Documents\DOT Office\District_11\Projects\116002\20CAD\03a1\Traffic\CAD_Sign\CAD\ALL-SIGNS-COPY-5-05-09-2021.dgn

USER NAME = mezag	DESIGNED - KK	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - KK	REVISED -
PLOT DATE = 9/29/2021	CHECKED - LP	REVISED -
	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

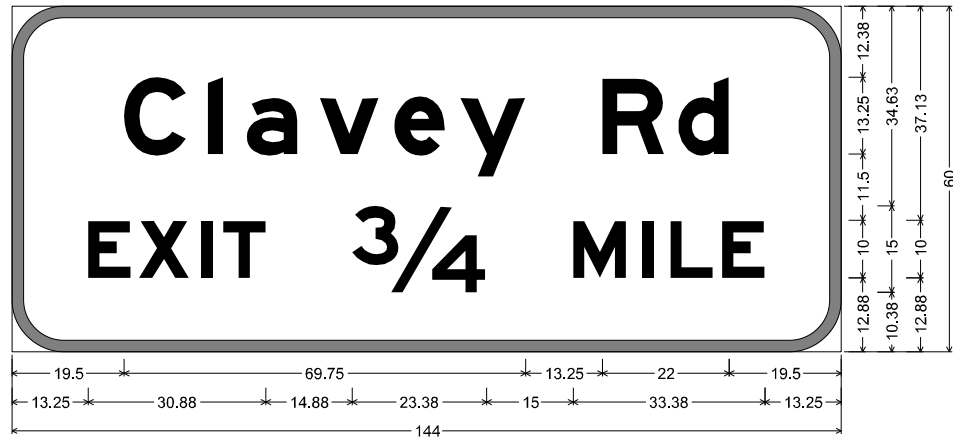
SIGN PANEL DESIGN

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	90
CONTRACT NO. 46539				
ILLINOIS		FED. AID PROJECT		

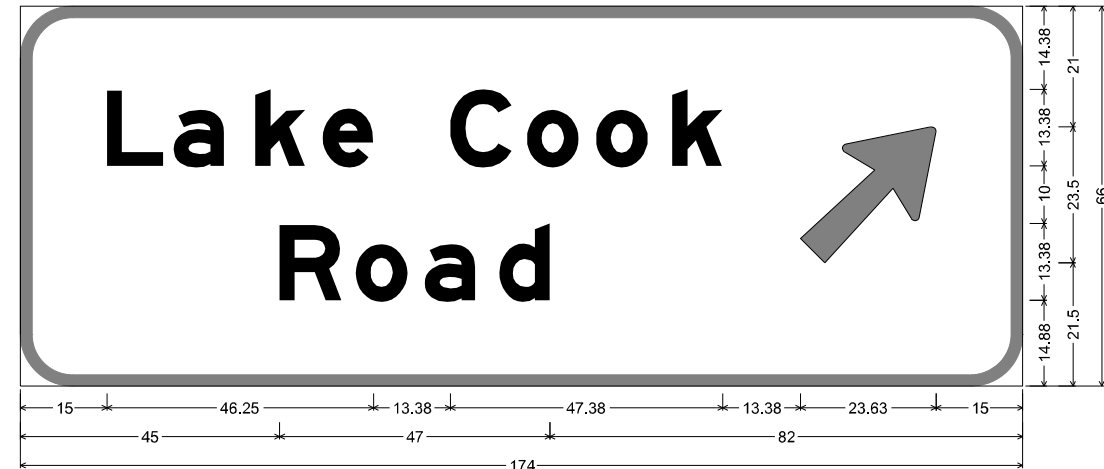
STRUCTURE NUMBER		1S016U041R000.0-000
LOCATION 10A		ARTERIALS
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	12' X 5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		LEFT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
COLOR:		

STRUCTURE NUMBER		1S016U041R000.0-000
LOCATION 10B		ARTERIALS
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	14.5' X 5.5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
COLOR:		



9.00" Radius, 2.00" Border, White on Green;
 [Clavey Rd] E Mod 2K; [EXIT 3/4 MILE] E Mod 2K;
 Table of widths and spaces.

19.50	C	10.75	3.75	2.63	4.13	a	8.88	3.88	v	10.25	2.63	e	8.75	2.75	y	11.25	13.38	R	10.75	2.50	d	8.75	19.50				
13.25	E	7.38	1.38	X	8.75	2.13	I	2.00	1.75	T	7.38	15.00	3/4	23.38	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	13.25



9.00" Radius, 2.00" Border, White on Green;
 [Lake Cook] E Mod 2K; [Road] E Mod 2K; Arrow 133 - 30.00" 45°;
 Table of widths and spaces.

15.00	L	9.88	1.75	a	8.75	5.38	k	8.75	3.00	e	8.75	13.38	C	10.75	2.50	o	9.13	2.88	o	9.13	4.13	k	8.75	13.50	23.63	15.00
45.00	R	10.88	2.38	o	9.00	3.00	a	8.75	4.13	d	8.75	82.13														

MODEL: Default
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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

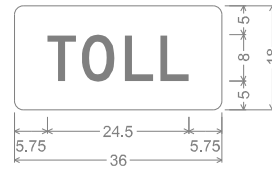
SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	91
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

DETAILS

"TOLL" PLAQUE DETAIL DESIGN



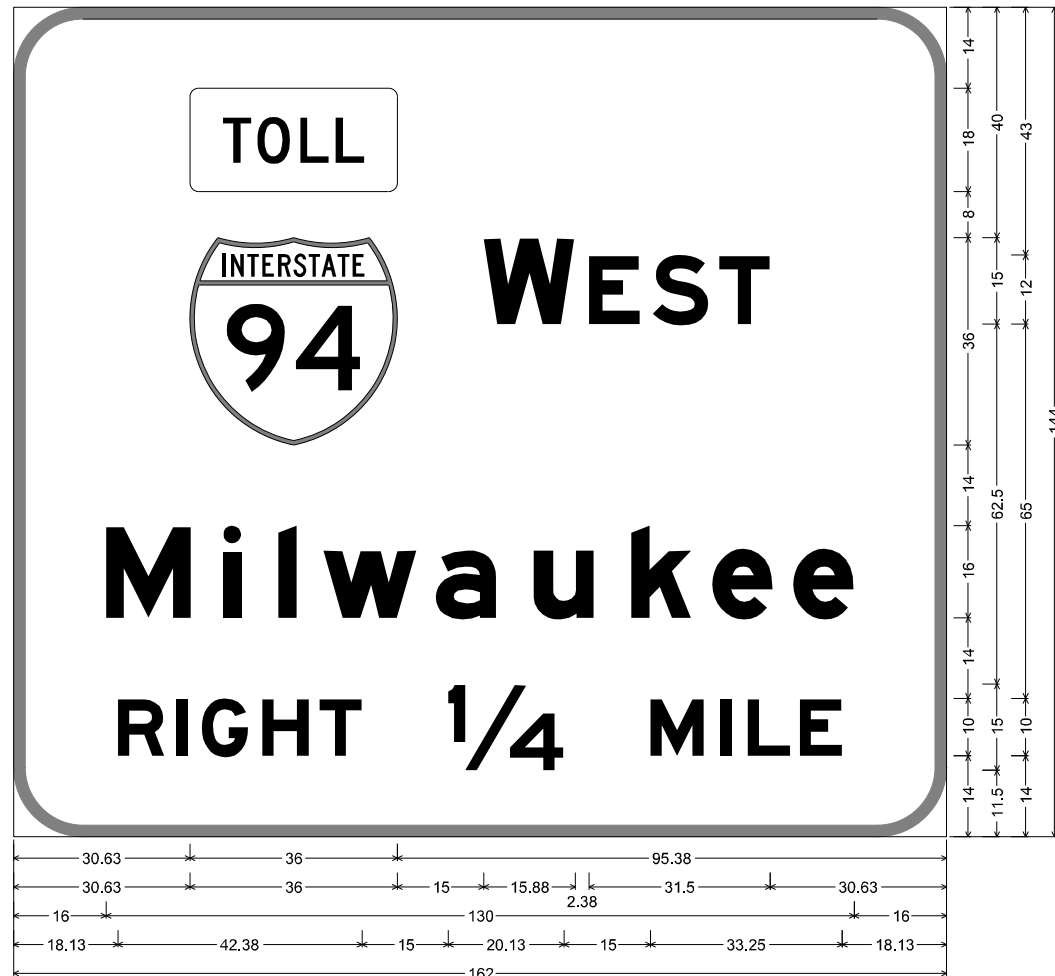
1.50" Radius, No border
[TOLL] Black D 2K;

Table of widths and spaces.

5.75	T	4.88	1.13	O	5.63	1.75	L	5.00	1.13	L	5.00	5.75
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STRUCTURE NUMBER		1S016I094L030.3-000	
LOCATION		11A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 12'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	

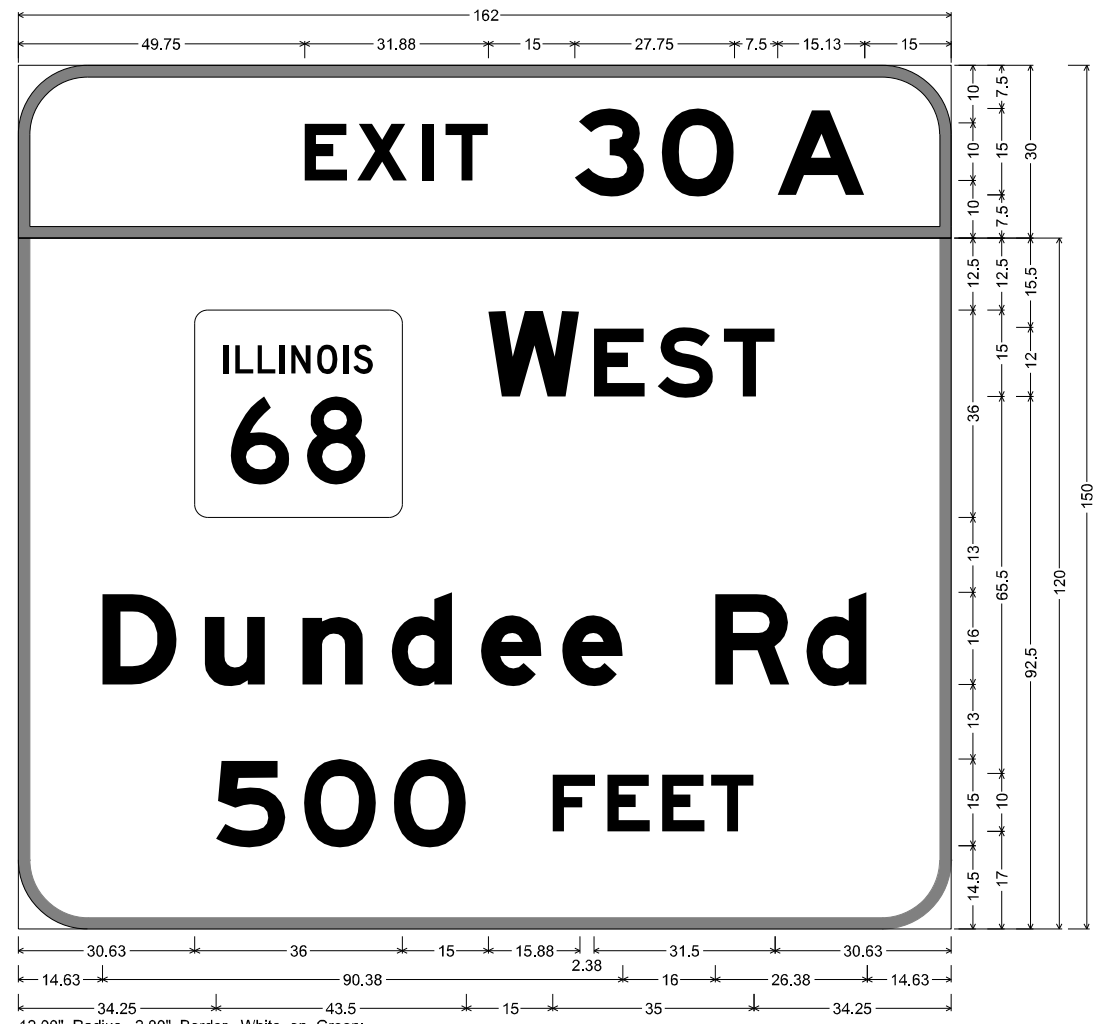
STRUCTURE NUMBER		1S016I094L030.3-000	
LOCATION		11B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	



12.00" Radius, 2.00" Border, White on Green;
Rounded Rectangle 1.50" Radius Yellow;
[] E Mod 2K; [WEST] E Mod 2K; [Milwaukee] E Mod 2K; [RIGHT 1/4 MILE] E Mod 2K;

Table of widths and spaces.

30.63	36.00	95.38																									
30.63	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	30.63													
16.00	M	14.88	5.50	I	3.13	6.50	I	3.13	4.63	W	16.38	3.13	A	10.63	6.38	U	10.50	6.50	K	10.50	3.50	E	10.63	3.50	E	10.50	16.13
18.13	R	8.13	2.00	I	2.00	2.50	G	8.00	2.50	H	8.00	1.88	T	7.38	15.00	1/4	M	9.25	2.75	I	2.00	2.88	7.38	1.63	E	7.38	18.13



12.00" Radius, 2.00" Border, White on Green;
[EXIT] E Mod 2K 120% spacing; [30] E Mod 2K; [A] E Mod 2K;
12.00" Radius, 2.00" Border, White on Green;
[WEST] E Mod 2K; [Dundee Rd] E Mod 2K; [500 FEET] E Mod 2K;

Table of widths and spaces.

49.75	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	7.38	15.00	3	12.13	3.00	O	12.63	7.50	A	15.13	15.00				
30.63	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	30.63										
14.63	D	12.88	4.88	U	10.50	6.38	N	10.63	5.00	D	10.50	5.00	E	10.50	3.50	E	10.63	16.00	R	12.88	2.88	D	10.63	14.63
34.25	S	12.25	3.13	O	12.63	3.00	O	12.50	15.00	F	7.50	2.00	F	7.50	2.00	E	7.50	1.00	T	7.50	34.25			

MODEL: Default; FILE: M:\E:\p\ulidectaw_beaufay.com\FW\DOT\Documents\DOT_Offices\Dir\drct_11\poc\ct11\6002\20CAD\03a1\Traffic\CAD - Sign\CAD\ALL-SIGNS\COPY-5-05-09-2021.dgn

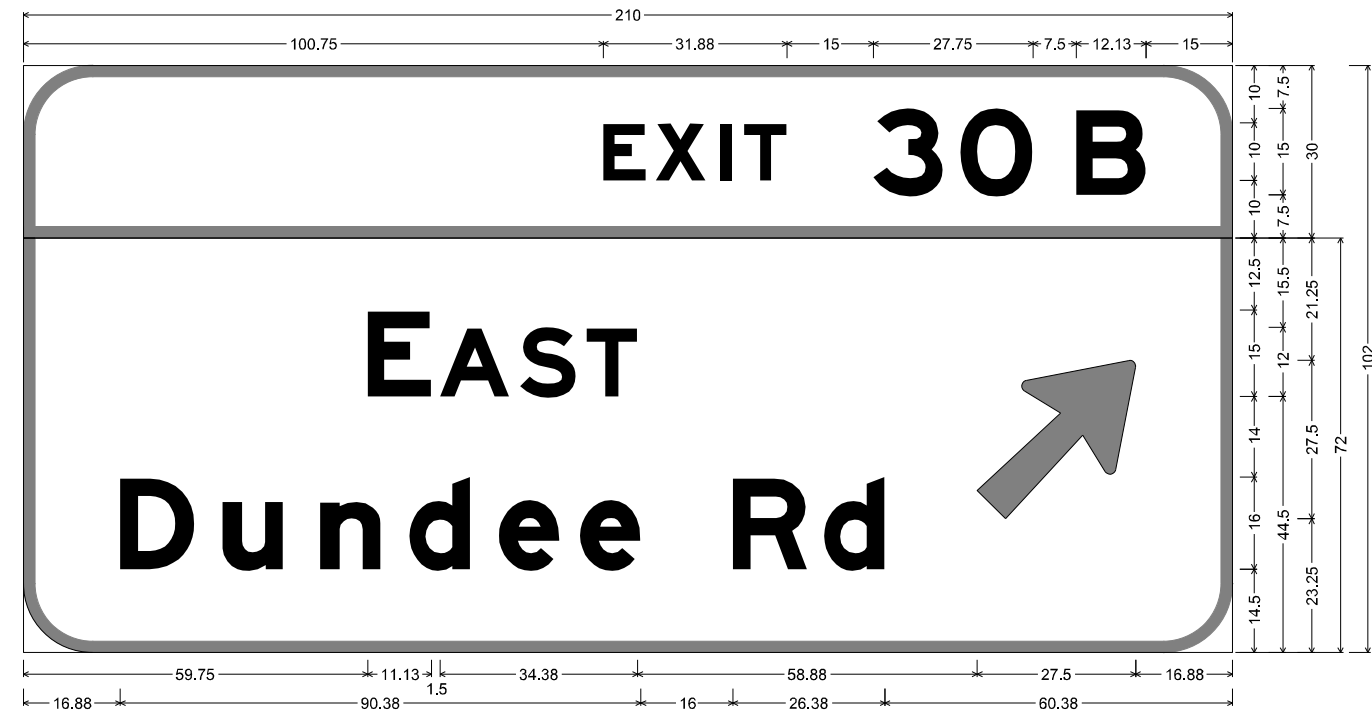
USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL	20-27	VARIOUS	119	92
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S016I094L030.3-000	
LOCATION		11C EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	17.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [30] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Dundee Rd] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

100.75	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	3	12.13	3.00	O	12.63	7.50	B	12.13	15.00			
59.75	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	8.88	59.00		27.50	16.88									
16.88	D	12.88	4.88	u	10.50	6.38	n	10.63	4.88	d	10.63	5.00	e	10.50	3.50	e	10.63	16.00	R	12.88	2.88	d	10.63	60.38

MODEL: Default
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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	93
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

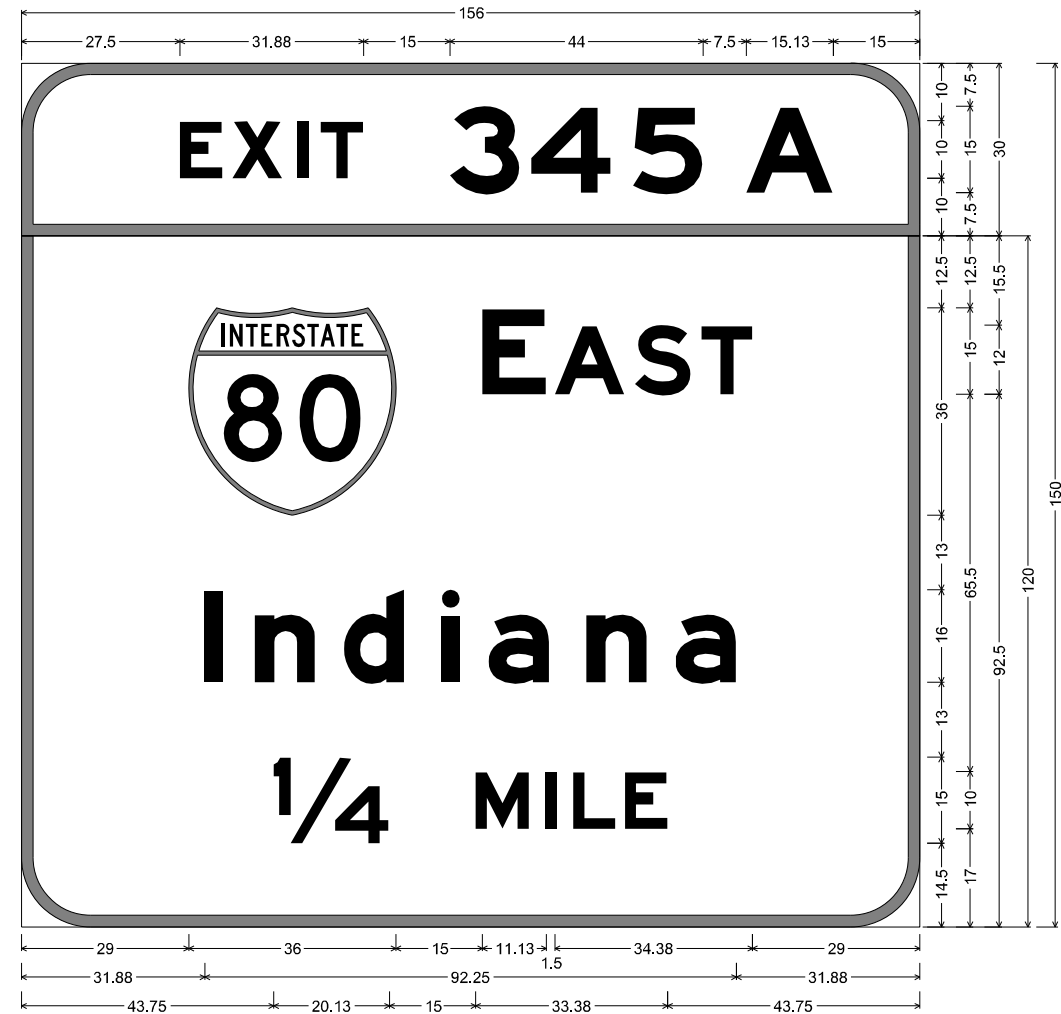
STRUCTURE NUMBER		1S016I057L345.0-000
LOCATION		12A EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	12' X 10'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		LEFT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:

STRUCTURE NUMBER		1S016I057L345.0-000
LOCATION		12B EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	13' X 12.5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		MIDDLE
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:



12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Memphis] E Mod 2K; [LEFT LANES] E Mod 2K;
 Table of widths and spaces.

16.25	36.00	15.00	S	12.13	2.88	O	10.00	2.88	U	9.75	2.13	T	8.88	2.13	H	9.75	16.25										
17.38	M	14.88	4.00	e	10.50	5.00	m	17.63	6.38	P	10.50	5.00	h	10.63	6.38	i	3.13	4.63	S	10.63	17.38						
25.75	L	7.38	1.63	E	7.38	2.13	F	7.38	1.13	T	7.38	10.00	L	7.38	0.63	A	10.13	1.75	N	8.13	2.75	E	7.38	1.88	S	8.00	25.75



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [345] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Indiana] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

27.50	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	2.00	4	13.88	3.75	5	12.25	7.50	A	15.13	15.00
29.00	36.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	9.00	29.00										
31.88	I	3.13	5.50	n	10.50	5.00	d	10.50	6.50	i	3.13	5.00	a	10.50	6.50	n	10.50	5.00	a	10.50	31.88			
43.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	43.75									

MODEL: Default
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USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

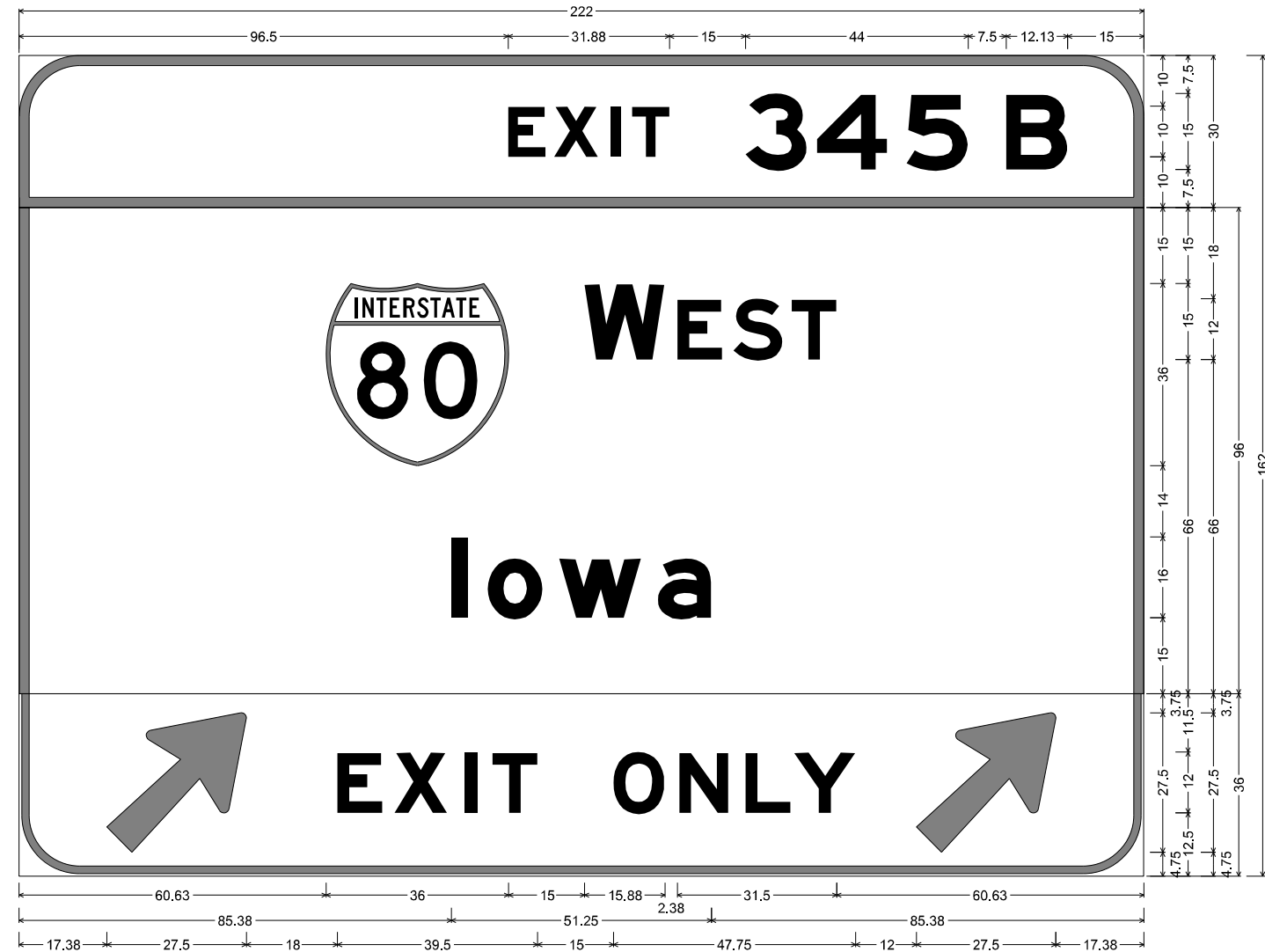
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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SIGN PANEL DESIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	119	94	
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S016I057L345.0-000	
LOCATION		12C EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	18.5' X 13.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [345] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Iowa] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 Arrow 160 - 35.00" 45"; [EXIT] E Mod 2K specified length; [ONLY] E Mod 2K specified length; Arrow 160 - 35.00" 45";
 Table of widths and spaces.

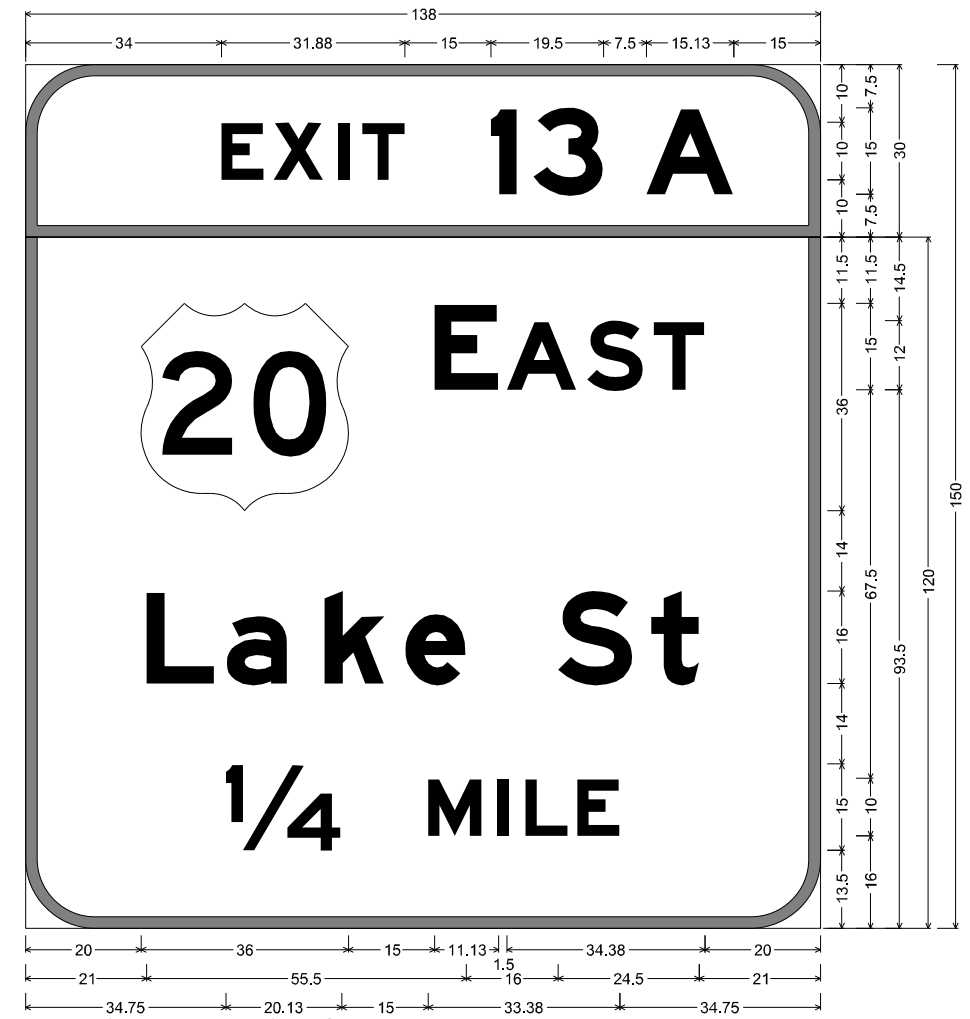
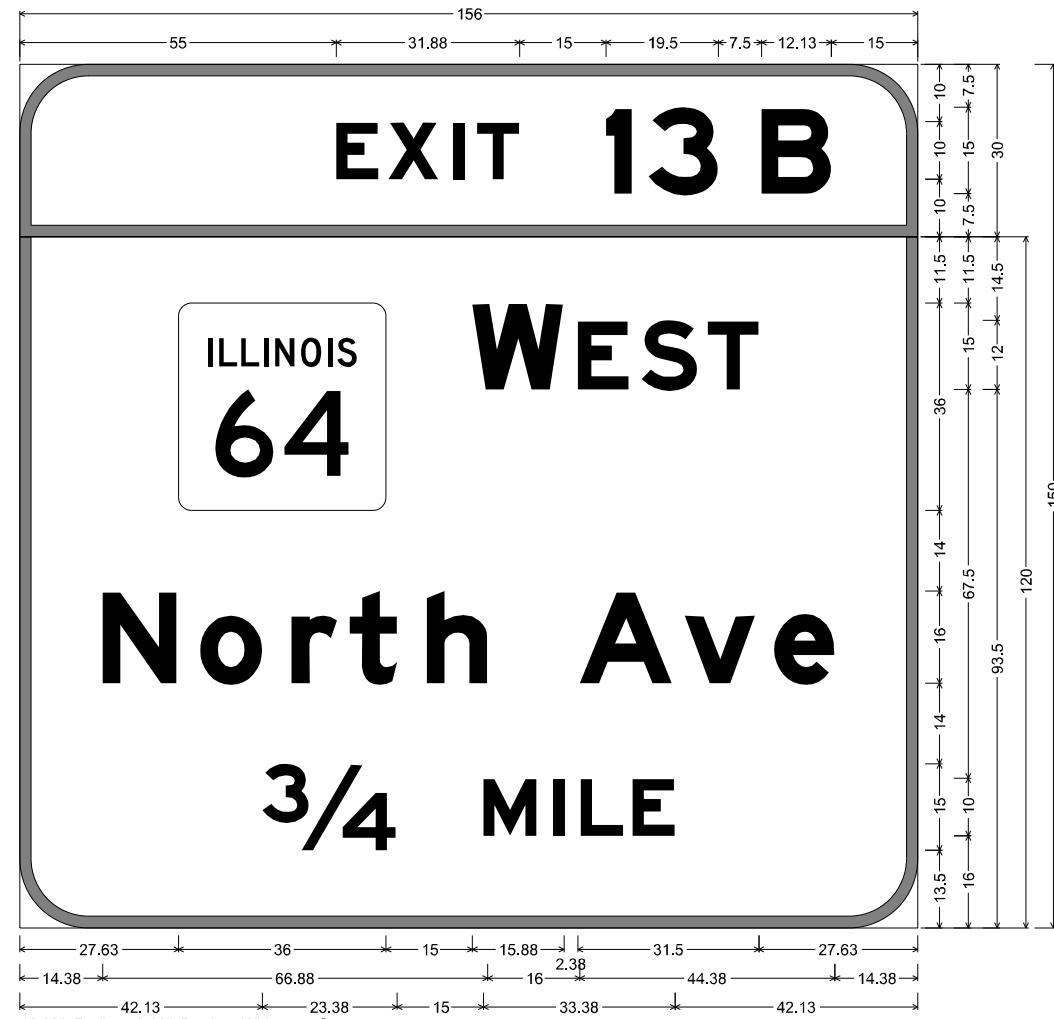
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60.63	Ⓞ	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	60.63														
85.38	I	3.13	4.00	o	10.88	3.25	w	16.25	3.25	a	10.50	85.38																	
17.38	↗	27.50	18.00	E	8.88	2.38	X	10.38	3.50	I	2.38	3.13	8.88	15.00	O	10.00	2.88	N	9.75	3.38	L	8.88	0.75	Y	12.13	12.00	↖	27.50	17.38

MODEL: Default
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USER NAME = mezag	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - KK	REVISED -	SCALE: 1" = 40.0000' / in.		CHECKED - LP	REVISED -	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	95			
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT							
CONTRACT NO. 46539												

STRUCTURE NUMBER		1S022I290L014.3-000	
LOCATION		13A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		

STRUCTURE NUMBER		1S022I290L014.3-000	
LOCATION		13B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	11.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
	COLOR:		



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [13] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [North Ave] E Mod 2K; [3/4 MILE] E Mod 2K;
 Table of widths and spaces.

55.00	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	I	4.50	2.75	3	12.25	7.50	B	12.13	15.00			
27.63	[EXIT]	36.00	15.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	27.63									
14.38	N	13.00	4.00	O	10.88	5.00	R	8.00	2.00	T	8.38	5.13	H	10.50	16.00	A	16.13	2.13	V	12.25	3.25	E	10.63	14.38
42.13	3/4	23.38	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	42.13									

12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [13] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Lake St] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

34.00	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	I	4.50	2.75	3	12.25	7.50	A	15.13	15.00			
20.00	[EXIT]	36.00	15.00	W	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	9.00	20.00									
21.00	L	11.88	2.00	a	10.63	6.38	k	10.50	3.63	e	10.50	16.00	S	13.00	3.13	t	8.38	21.00						
34.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	34.75									

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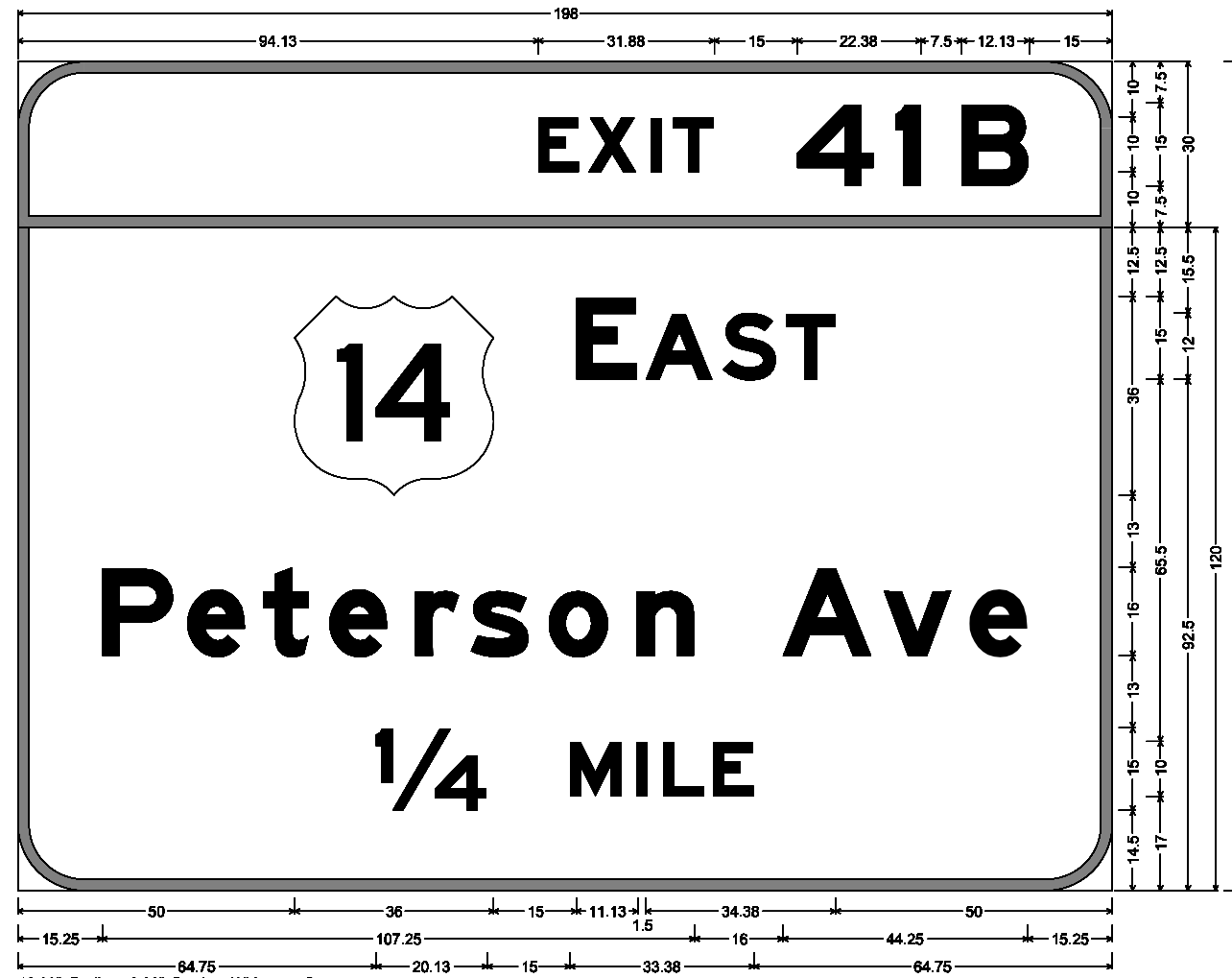
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DRAWN - KK	REVISIONS -	
PLOT SCALE = 40,0000 */ in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	96
				CONTRACT NO. 46539
				ILLINOIS FED. AID PROJECT

STRUCTURE NUMBER		1C016I094L041.8-000	
LOCATION		14 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16.5' X 12.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [EAST] E Mod 2K; [Peterson Ave] E Mod 2K; [1/4 MILE] E Mod 2K;
 Table of widths and spaces.

94.13	E	X	I	T	4	I	B	15.00																						
7.38	1.75	8.63	2.50	2.00	2.25	7.38	15.00	13.88	4.00	4.50	7.50	12.13	15.00																	
50.00	36.00	15.00	11.13	1.50	A	S	T	50.00																						
12.13	1.75	9.75	1.75	9.00	50.00																									
15.25	P	3.00	2.38	10.50	3.25	t	8.25	3.75	10.50	5.00	r	8.00	2.13	s	10.50	3.50	p	10.88	5.00	n	10.50	16.00	A	16.25	2.00	v	12.38	3.13	10.83	15.25
64.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	L	2.75	7.50	1.50	E	7.50	64.75															

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USER NAME = mezag	DESIGNED - KK	REVISED -
DRAWN - KK	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	97
			CONTRACT NO. 46539	
		ILLINOIS FED. AID PROJECT		

STRUCTURE NUMBER		1C016I094L054.2-000	
LOCATION		15 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12' X 12'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [53] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Stevenson] E Mod 2K; [Expwy] E Mod 2K; [St Louis] E Mod 2K;
 [RIGHT LANE] E Mod 2K;
 Table of widths and spaces.

35.75	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	5	12.13	2.38	3	12.25	7.50	B	12.13	15.00						
16.25	55	36.00	15.00	S	12.13	2.88	O	10.00	2.88	U	9.75	2.13	T	8.88	2.13	H	9.75	16.25									
67.25	S	4.88	1.13	t	3.13	1.38	e	4.00	1.13	v	4.63	1.25	e	3.88	1.88	n	4.00	1.75	s	3.88	1.38	o	4.13	1.75	n	4.00	28.63
67.25	E	4.38	1.13	x	4.75	1.88	P	4.00	1.13	w	6.13	1.13	y	5.13	47.13												
19.25	S	12.88	3.25	t	8.25	16.00	L	11.88	2.13	o	10.88	4.88	u	10.63	6.38	i	3.25	4.63	s	10.50	19.25						
26.75	R	8.00	2.13	I	2.00	2.38	G	8.13	2.38	H	8.13	1.75	T	7.50	10.00	L	7.38	0.63	A	10.00	1.88	N	8.00	2.88	E	7.38	26.75

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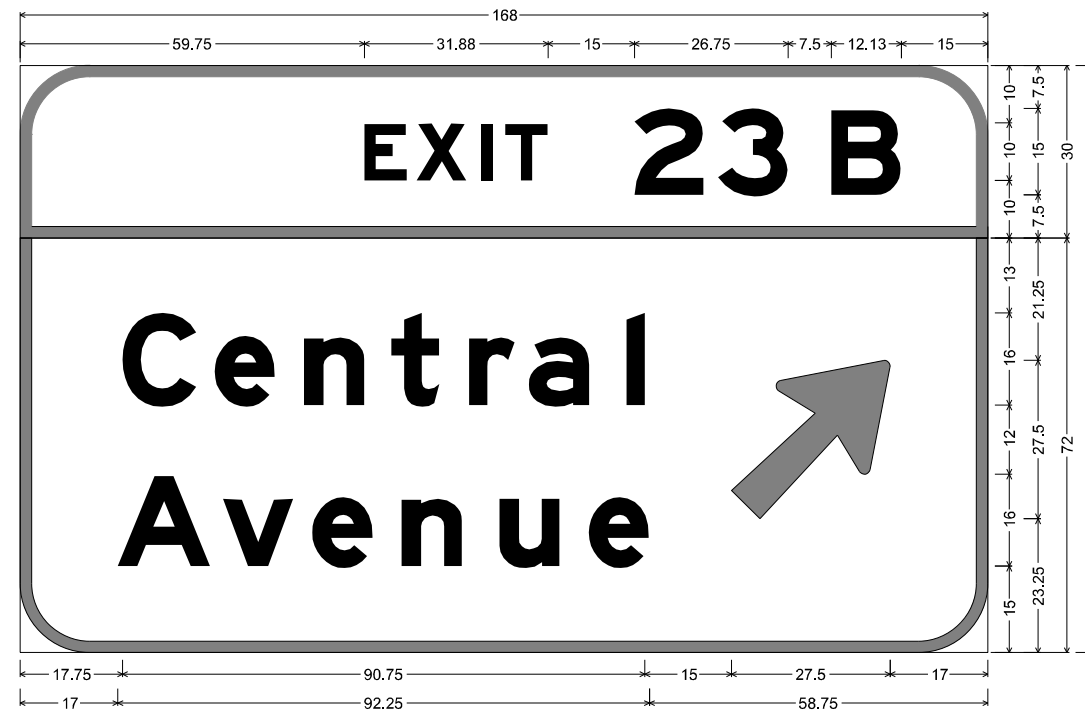
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DRAWN - KK	REVISIONS -	
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	98
			CONTRACT NO. 46539	
		ILLINOIS FED. AID PROJECT		

STRUCTURE NUMBER		1C016I290R023.4-000	
LOCATION		16 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [23] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Central] E Mod 2K; [Avenue] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

59.75	E	7.50	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	2	12.13	2.38	3	12.25	7.50	B	12.13	15.00		
17.75	C	13.00	3.00	e	10.63	4.88	n	10.63	4.63	t	8.25	5.13	r	8.00	2.38	a	10.63	6.38	l	3.13	15.13	27.50	17.00
17.00	A	16.13	2.13	v	12.25	3.25	e	10.50	5.00	n	10.50	6.38	u	10.63	5.00	e	10.50	58.75					

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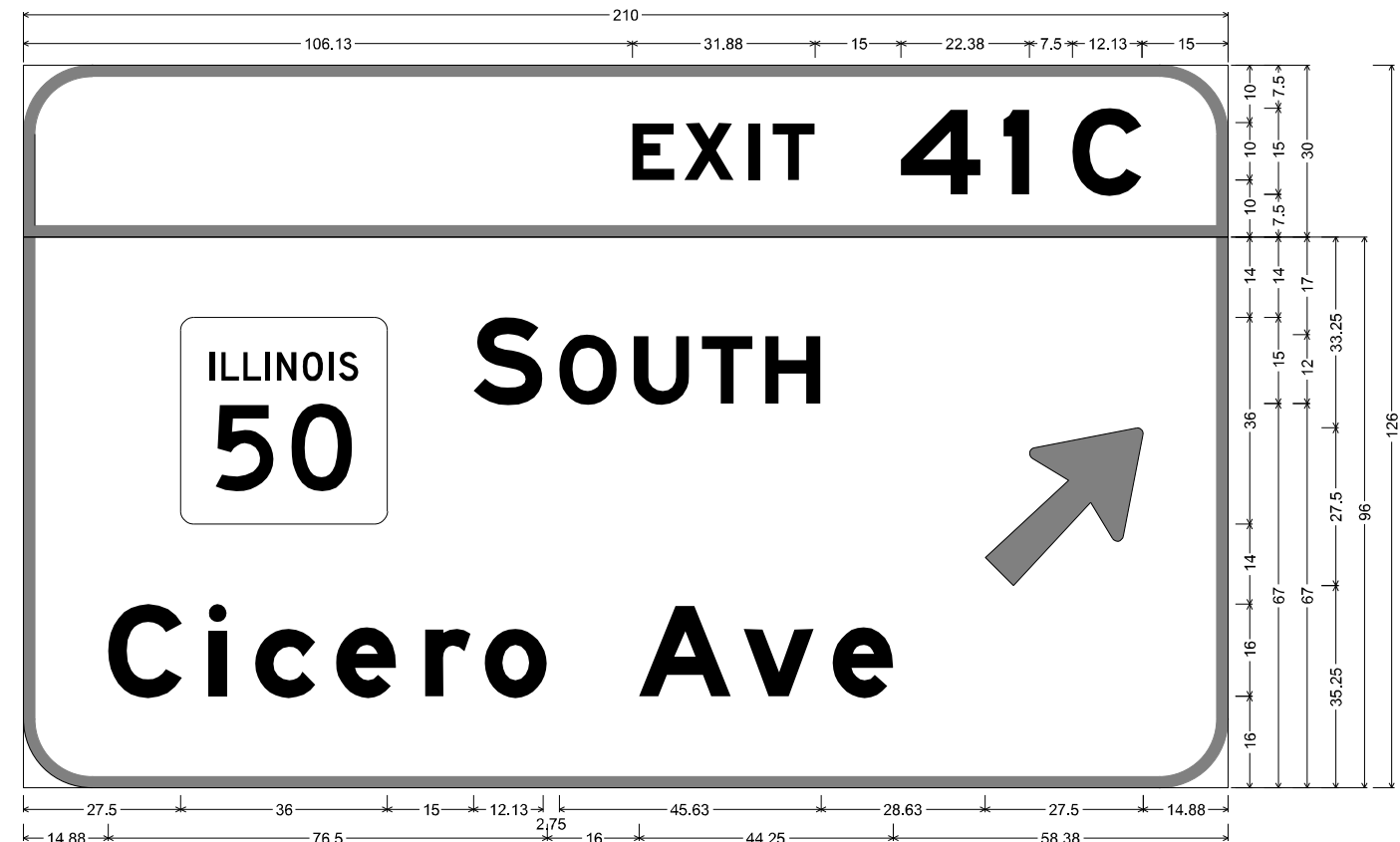
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	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	99
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C016I094R041.8-000	
LOCATION		17 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	17.5' X 10.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



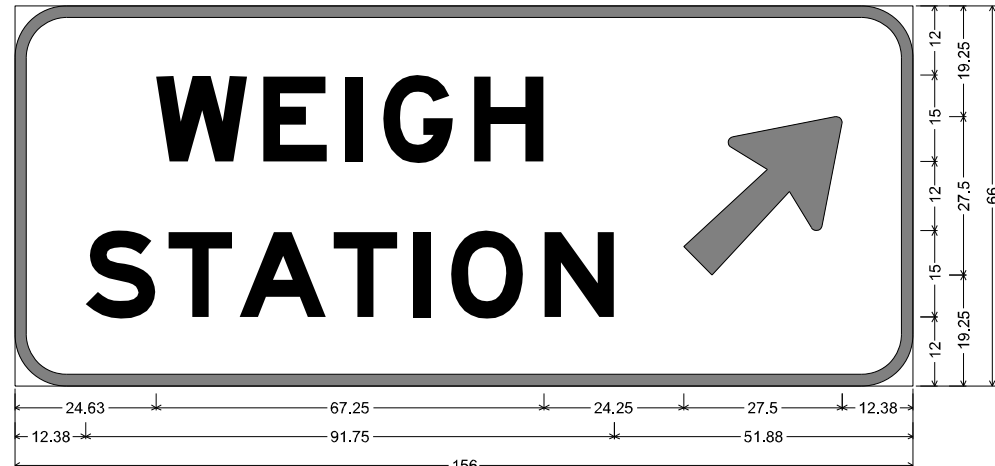
12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [41] E Mod 2K; [C] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Cicero Ave] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

106.13	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	A	13.88	4.00	I	4.50	7.50	C	12.13	15.00						
27.50	36.00	15.00	S	12.13	2.75	O	10.13	2.88	9.75	2.13	8.88	2.13	9.75	28.63	27.50	14.88											
14.88	C	12.88	4.50	i	3.25	4.88	c	10.63	3.50	e	10.50	5.00	r	8.00	2.38	o	10.88	16.00	A	16.25	2.00	v	12.38	3.13	e	10.63	58.38

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USER NAME = mezag	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - KK	REVISED -					D-1	OVD SIN STR REPL 20-27	VARIOUS	119	100		
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -		SCALE:				SHEET	OF	SHEETS	STA.	TO STA.
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -						ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1C099I080R142.9-000	
LOCATION		18 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13' X 5.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



9.00" Radius, 2.00" Border, White on Green;
 [WEIGH] E Mod 2K; [STATION] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

24.63	W	15.88	2.63	E	11.13	3.13	I	3.00	3.63	G	12.13	3.63	H	12.13	24.25	27.50	12.38				
12.38	S	12.13	2.25	T	11.13	1.13	A	15.13	1.25	T	11.13	2.63	I	3.00	3.63	O	12.63	3.63	N	12.13	51.88

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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

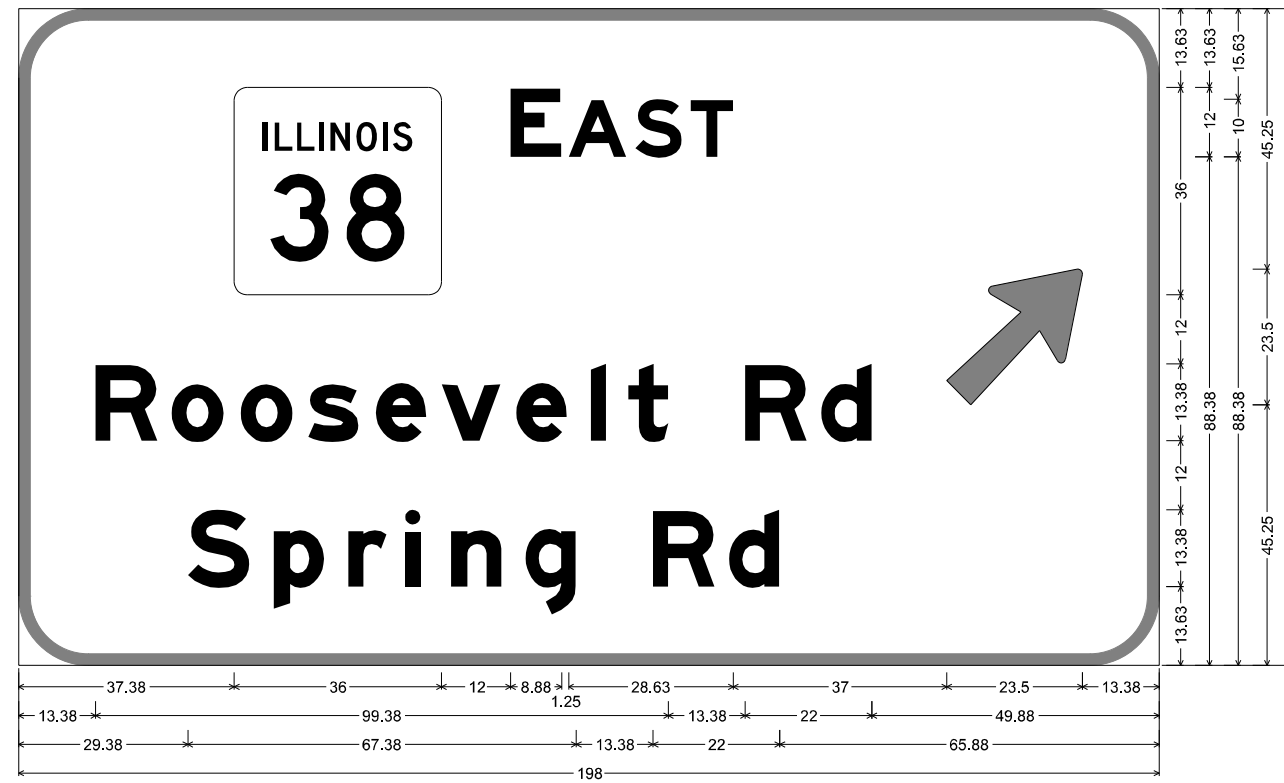
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	101
CONTRACT NO. 46539			ILLINOIS FED. AID PROJECT	

STRUCTURE NUMBER		1C022S056R000.0-000	
LOCATION		19 ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16.5' X 9.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Roosevelt Rd] E Mod 2K; [Spring Rd] E Mod 2K; Arrow 133 - 30.00° 45°;
Table of widths and spaces.

37.38	36.00	12.00	8.88	1.25	10.13	1.38	8.13	1.50	7.38	37.13	23.50	13.38																					
13.38	R	10.75	2.38	o	9.13	2.88	o	9.13	2.63	s	8.75	3.00	e	8.75	2.63	v	10.38	2.63	e	8.75	4.13	i	2.75	3.88	t	6.88	13.38	R	10.75	2.38	d	8.75	49.88
29.38	S	10.75	4.13	p	8.75	4.13	r	6.75	3.13	i	2.75	5.25	n	8.88	4.13	g	8.75	13.38	R	10.75	2.38	d	8.88	65.88									

MODEL: Default
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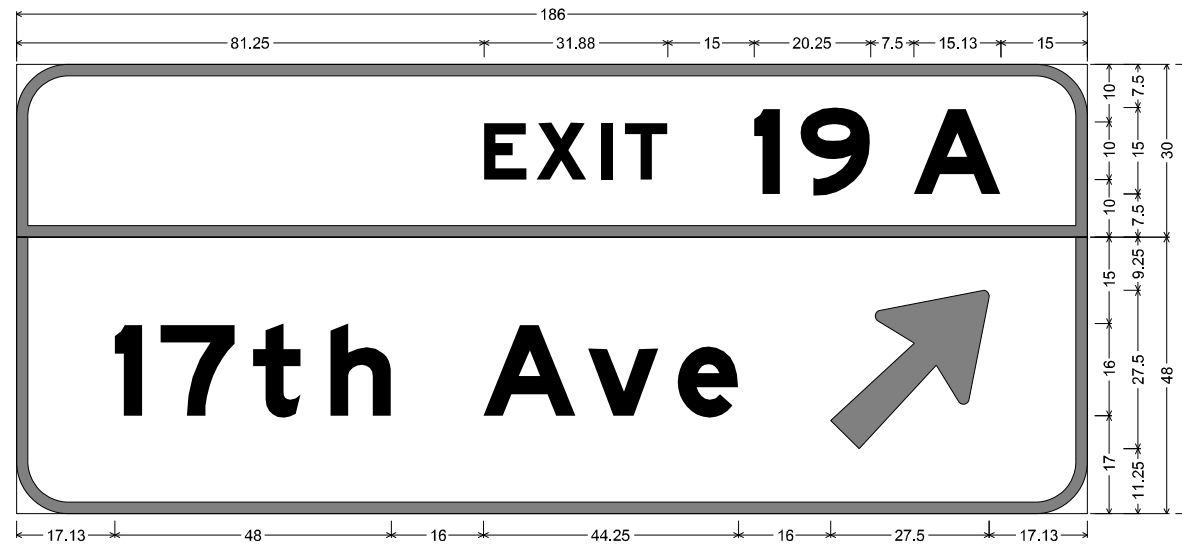
USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	102
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C016I290R018.8-000	
LOCATION		20 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	15.5' X 6.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



9.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [19] E Mod 2K; [A] E Mod 2K;
 9.00" Radius, 2.00" Border, White on Green;
 [17th Ave] E Mod 2K; Arrow 160 - 35.00" 45";
 Table of widths and spaces.

81.25	E	7.38	1.75	X	8.63	2.50	I	2.00	2.25	T	7.38	15.00	I	4.50	3.50	9	12.25	7.50	A	15.13	15.00			
17.13	I	4.75	3.25	7	12.88	3.13	t	8.25	5.13	h	10.50	16.00	A	16.25	2.00	v	12.38	3.25	e	10.50	16.00	↗	27.50	17.13

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USER NAME = mezag	DESIGNED - KK	REVISED -
	DRAWN - KK	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

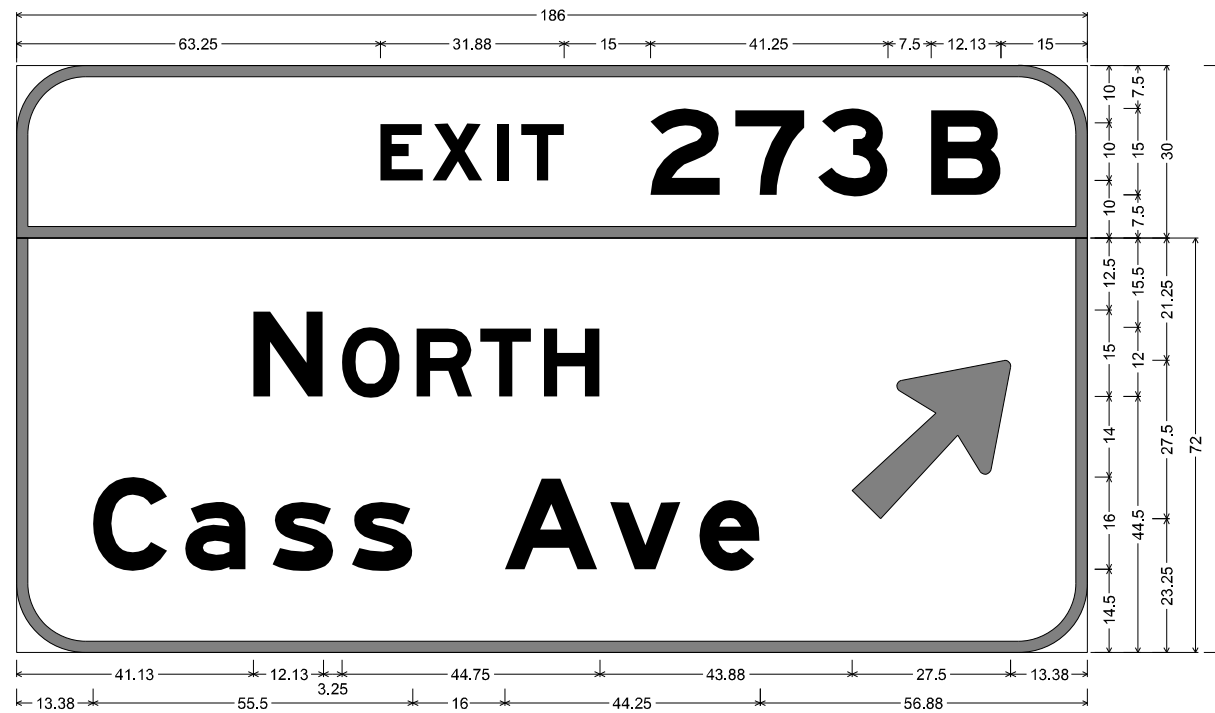
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	103
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C022I055R272.9-000	
LOCATION		21 EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	15.5' X 8.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [273] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [NORTH] E Mod 2K; [Cass Ave] E Mod 2K; Arrow 160 - 35.00" 45°;
 Table of widths and spaces.

63.25	E	7.38	X	1.75	8.63	I	2.50	2.00	2.25	T	7.38	15.00	2	12.13	2.50	7	12.13	2.25	3	12.25	7.50	B	12.13	15.00
41.13	N	12.13	3.25	O	10.13	2.88	9.75	1.25	8.88	2.25	9.63	43.88	H	27.50	13.38									
13.38	C	12.88	3.00	a	10.63	4.63	s	10.50	3.25	s	10.63	16.00	A	16.13	2.00	v	12.38	3.25	e	10.50	56.88			

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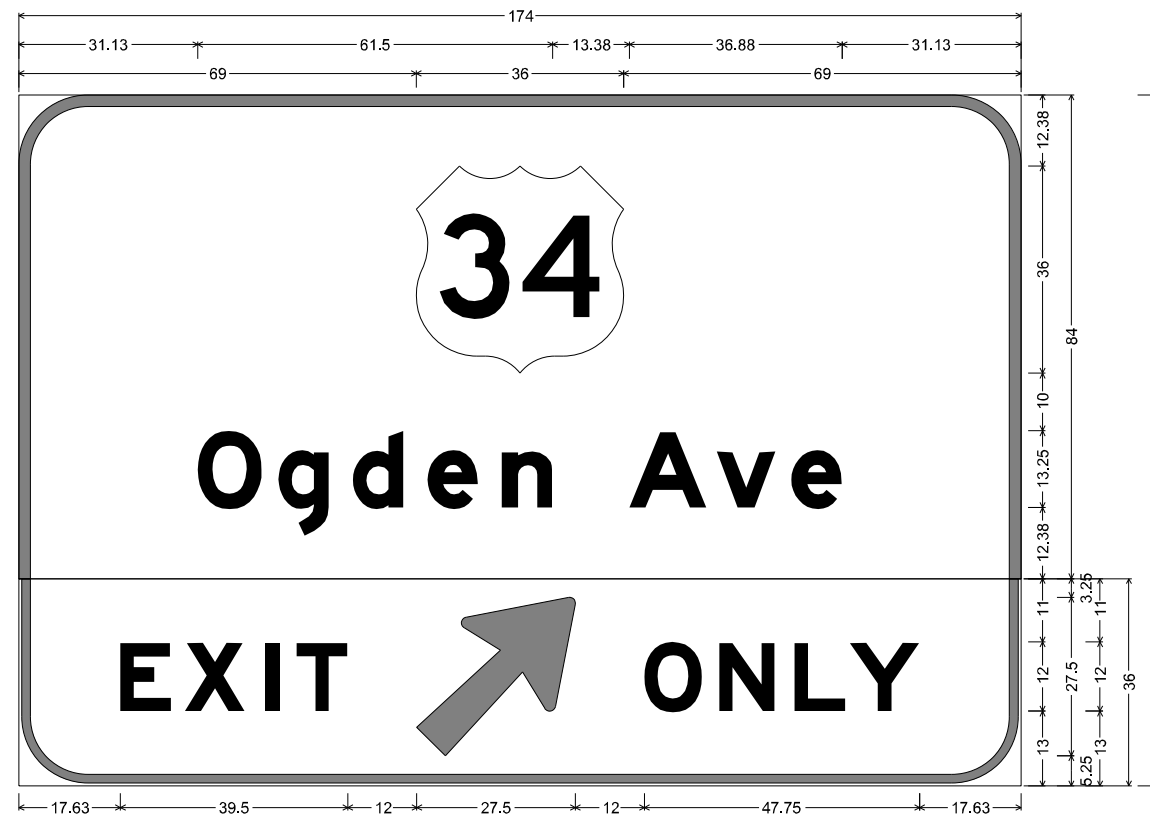
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	ILLINOIS	119	104
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1C022S083L000.0-002	
LOCATION		22 ARTERIALS	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 10'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)			
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



12.00" Radius, 2.00" Border, White on Green;
 [Ogden Ave] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 [EXIT] E Mod 2K specified length; Arrow 160 - 35.00" 45"; [ONLY] E Mod 2K specified length;
 Table of widths and spaces.

69.00	36.00	69.00
31.13	11.13	2.75
17.63	8.88	2.38

g	d	e	n	A	v	e
8.88	4.13	8.88	4.13	13.38	1.75	8.75
10.38	3.50	2.38	3.13	12.00	10.00	2.88

X	I	T	O	N	L	Y
10.38	3.50	2.38	3.13	8.88	11.88	27.63
3.50	2.38	3.13	8.88	11.88	27.63	12.00

MODEL: Default
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	DRAWN - KK	REVISED -
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

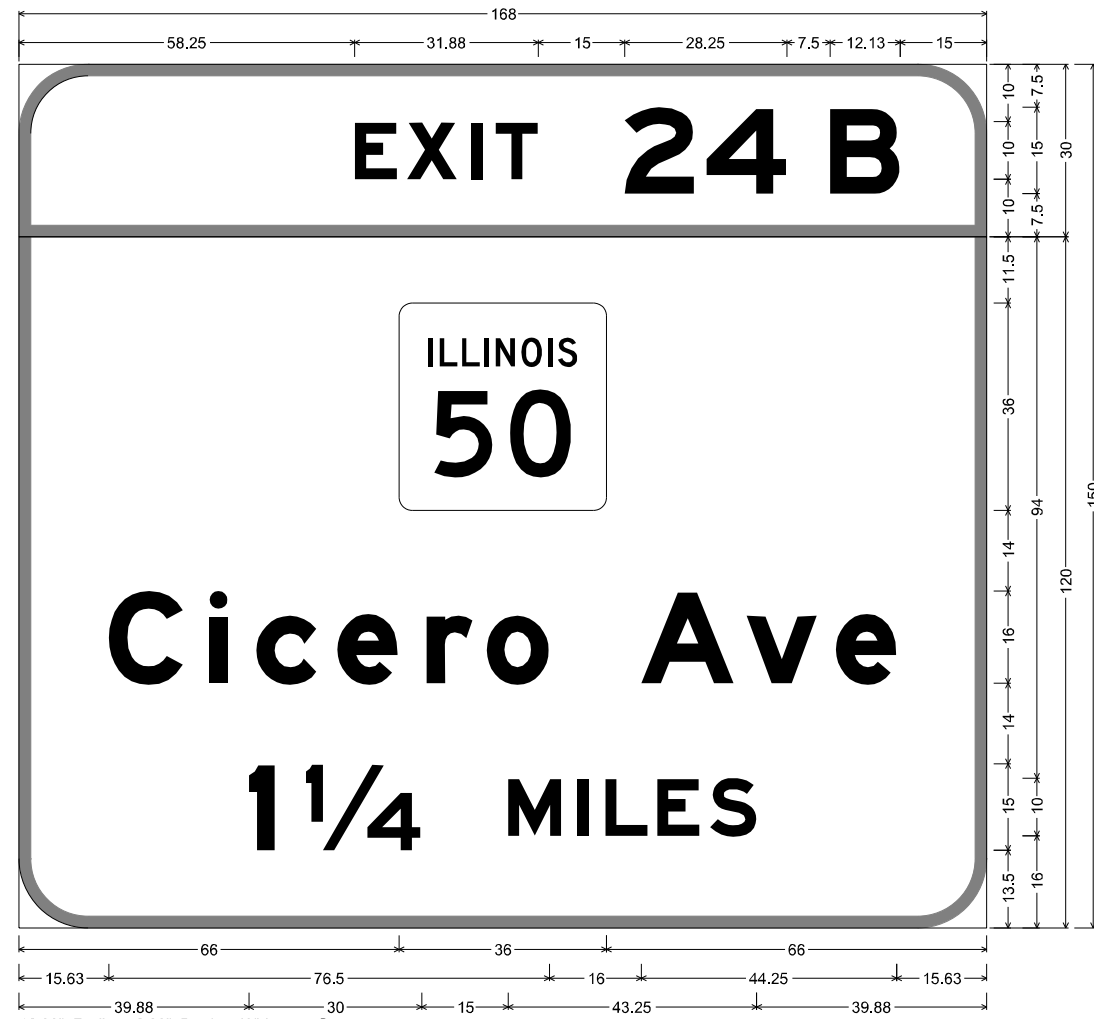
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 20-27	VARIOUS	119	105
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1B016I290R023. 2-000
LOCATION		23A EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	14' X 12.5'
MOUNTING / TYPE		OVERHEAD / BRIDGE
MOUNTING LOC (L, M, R)		LEFT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
	COLOR:	

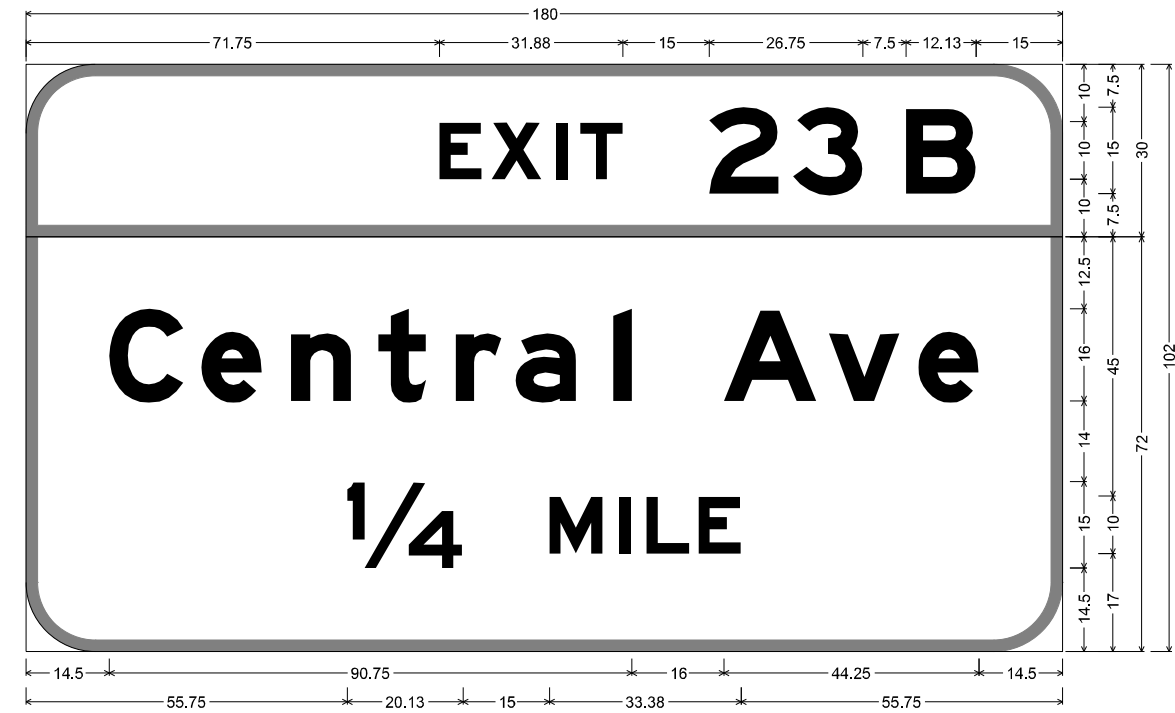
STRUCTURE NUMBER		1B016I290R023. 2-000
LOCATION		23B EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	15' X 8.5'
MOUNTING / TYPE		OVERHEAD / BRIDGE
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE:
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
	COLOR:	



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [24] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Cicero Ave] E Mod 2K; [1 1/4 MILES] E Mod 2K;

Table of widths and spaces.

58.25	E	7.50	X	1.63	8.75	2.50	I	2.00	T	7.38	2	15.00	2	12.13	2.13	4	14.00	7.50	B	12.13	15.00						
66.00		36.00		66.00																							
15.63	C	12.88	4.50	i	3.25	5.00	c	10.50	3.50	e	10.63	4.88	r	8.00	2.38	o	10.88	16.00	A	16.25	2.00	v	12.38	3.13	e	10.63	15.63
39.88	I	4.50	5.38	1/4	20.13	15.00	M	9.25	2.88	I	2.00	2.75	L	7.38	1.63	E	7.38	1.88	S	8.00	40.00						



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [23] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Central Ave] E Mod 2K; [1/4 MILE] E Mod 2K;

Table of widths and spaces.

71.75	E	7.50	X	1.63	8.75	2.50	I	2.00	T	7.38	2	15.00	2	12.13	2.38	3	12.25	7.50	B	12.13	15.00									
14.50	C	13.00	3.00	e	10.50	5.00	n	10.50	4.75	t	8.25	5.13	r	8.00	2.38	a	10.63	6.38	I	3.13	16.00	A	16.25	2.00	v	12.38	3.13	e	10.63	14.50
55.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	55.75															

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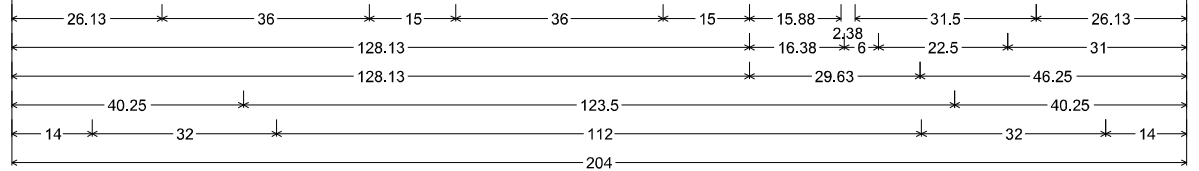
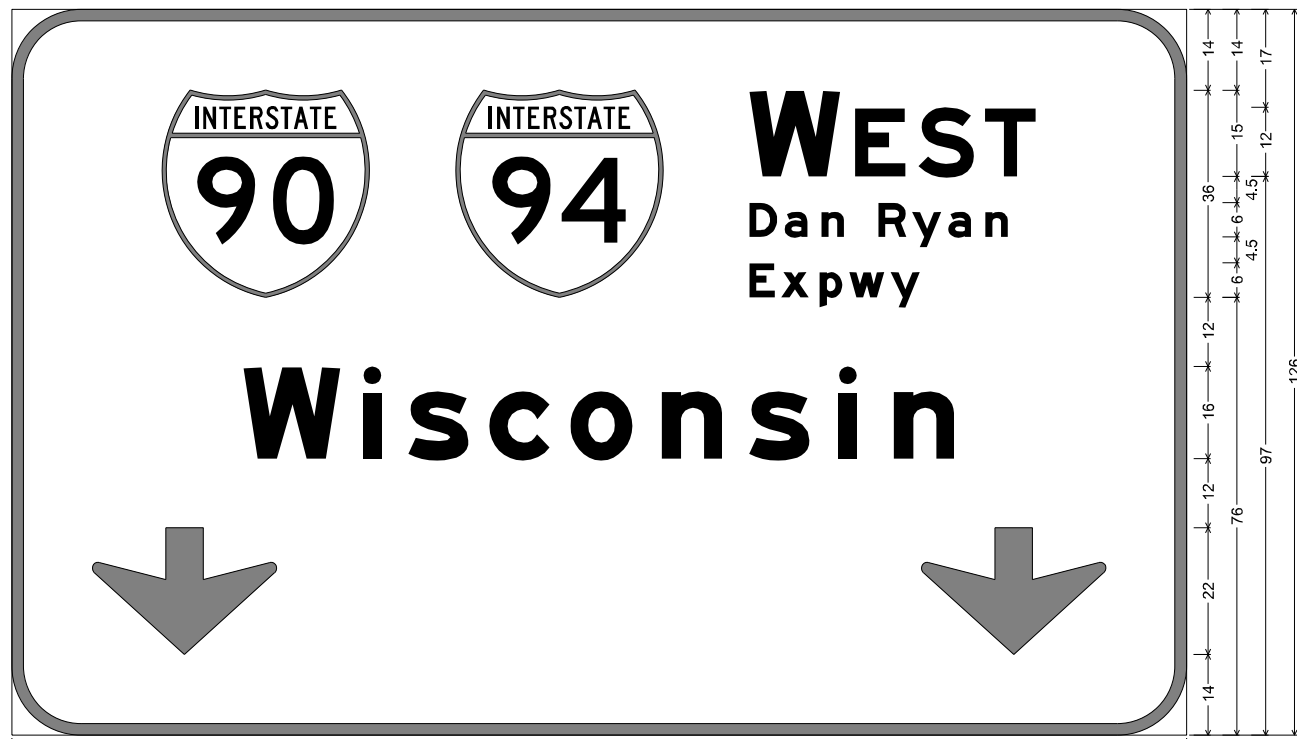
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DRAWN - KK	REVISIONS -	
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

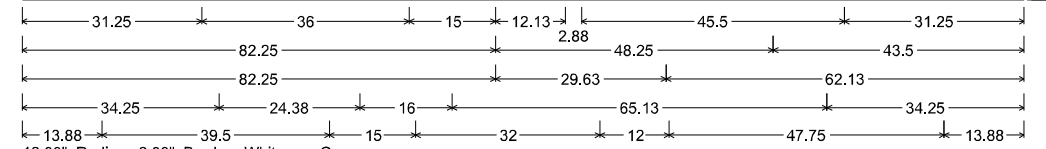
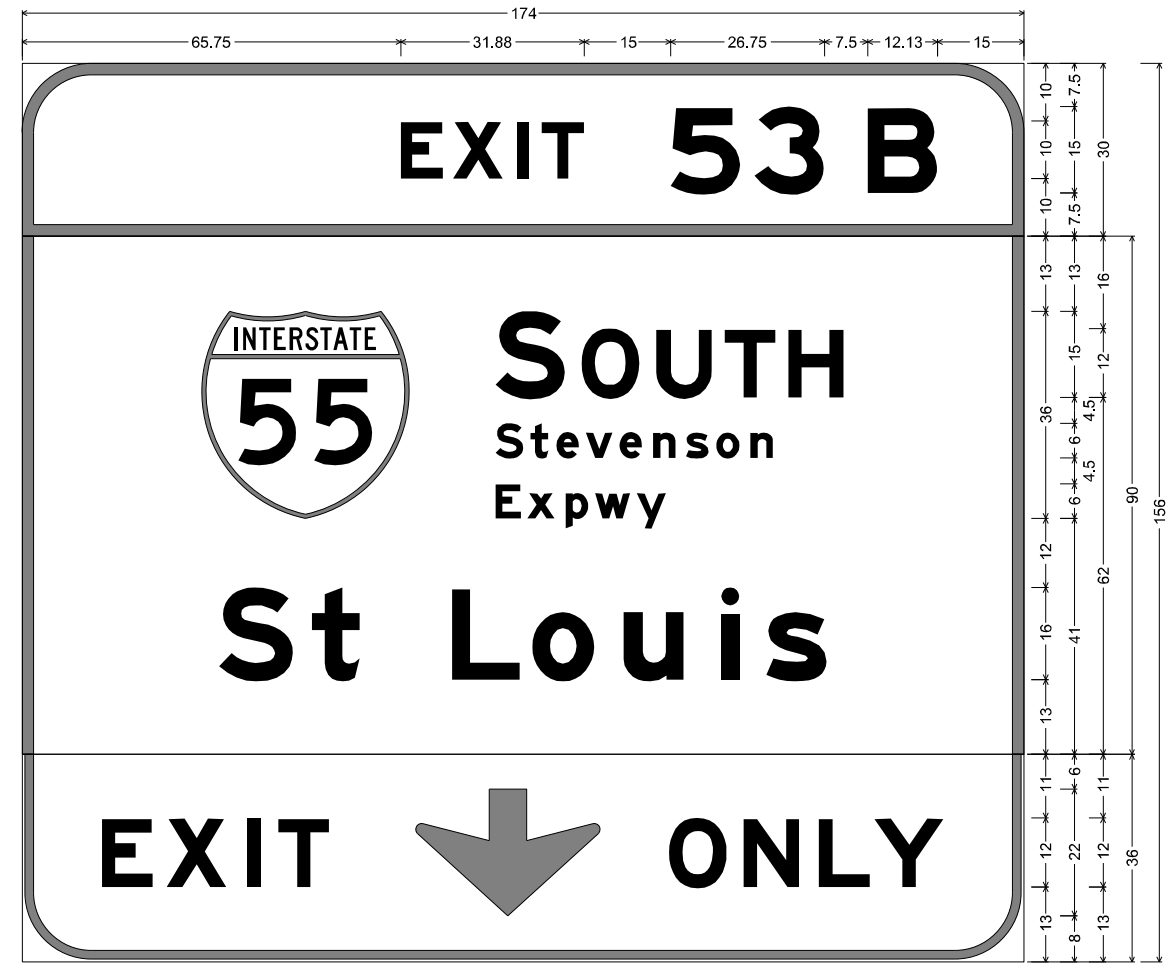
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27	VARIOUS	119	106	
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [Dan Ryan] E Mod 2K; [Expwy] E Mod 2K; [Wisconsin] E Mod 2K; Down Arrow 22.00" 270°; Down Arrow 22.00" 270°;
 Table of widths and spaces.

26.13	36.00	15.00	36.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	26.13						
128.13	D 4.88	1.25	a 3.88	2.50	n 3.88	6.00	R 4.88	1.00	y 5.13	1.13	a 4.00	2.38	n 4.00	31.00				
128.13	E 4.38	1.13	x 4.75	1.88	p 4.00	1.13	w 6.13	1.13	y 5.13	46.25								
40.25	W 17.00	3.75	i 3.25	4.63	s 10.50	3.63	c 10.50	3.50	o 10.88	5.00	n 10.50	4.75	s 10.50	5.00	i 3.13	6.38	n 10.63	40.25
14.00	32.00	112.00	32.00	14.00														

STRUCTURE NUMBER		1S0161094L054. 2-000	
LOCATION		24A EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	17' X 10.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
SHEETING / COLOR	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [53] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Stevenson] E Mod 2K; [Expwy] E Mod 2K; [St Louis] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 [EXIT] E Mod 2K 140% spacing; Down Arrow 22.00" 270°; [ONLY] E Mod 2K;
 Table of widths and spaces.

65.75	E 7.50	X 1.63	I 8.75	2.50	2.13	T 7.38	15.00	S 12.13	2.38	3 12.25	7.50	B 12.13	15.00					
31.25	36.00	15.00	S 12.13	2.88	O 10.00	2.88	U 9.75	2.13	T 8.88	2.13	H 9.75	31.25						
82.25	S 4.88	t 1.13	3.13	1.38	e 4.00	1.13	v 4.63	1.25	e 3.88	1.88	n 4.00	1.75	s 4.00	1.25	o 4.13	1.88	n 3.88	43.63
82.25	E 4.38	1.13	x 4.75	1.88	p 4.00	1.13	w 6.13	1.13	y 5.13	62.13								
34.25	S 12.88	3.25	t 8.25	16.00	L 11.88	2.13	o 10.88	4.88	u 10.63	6.38	i 3.25	4.63	s 10.50	34.25				
13.88	E 8.88	2.38	X 10.38	3.50	I 2.50	3.00	8.88	15.00	32.00	12.00	O 10.00	2.88	N 9.75	3.38	L 8.88	0.75	Y 12.13	13.88

STRUCTURE NUMBER		1S0161094L054. 2-000	
LOCATION		24B EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 13'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
		COLOR:	
SHEETING / COLOR	LEGEND / BORDER	TYPE:	ZZ
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DRAWN - KK	REVISIONS -	
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PLOT DATE = 9/29/2021	DATE - 06/20/2020	REVISED -

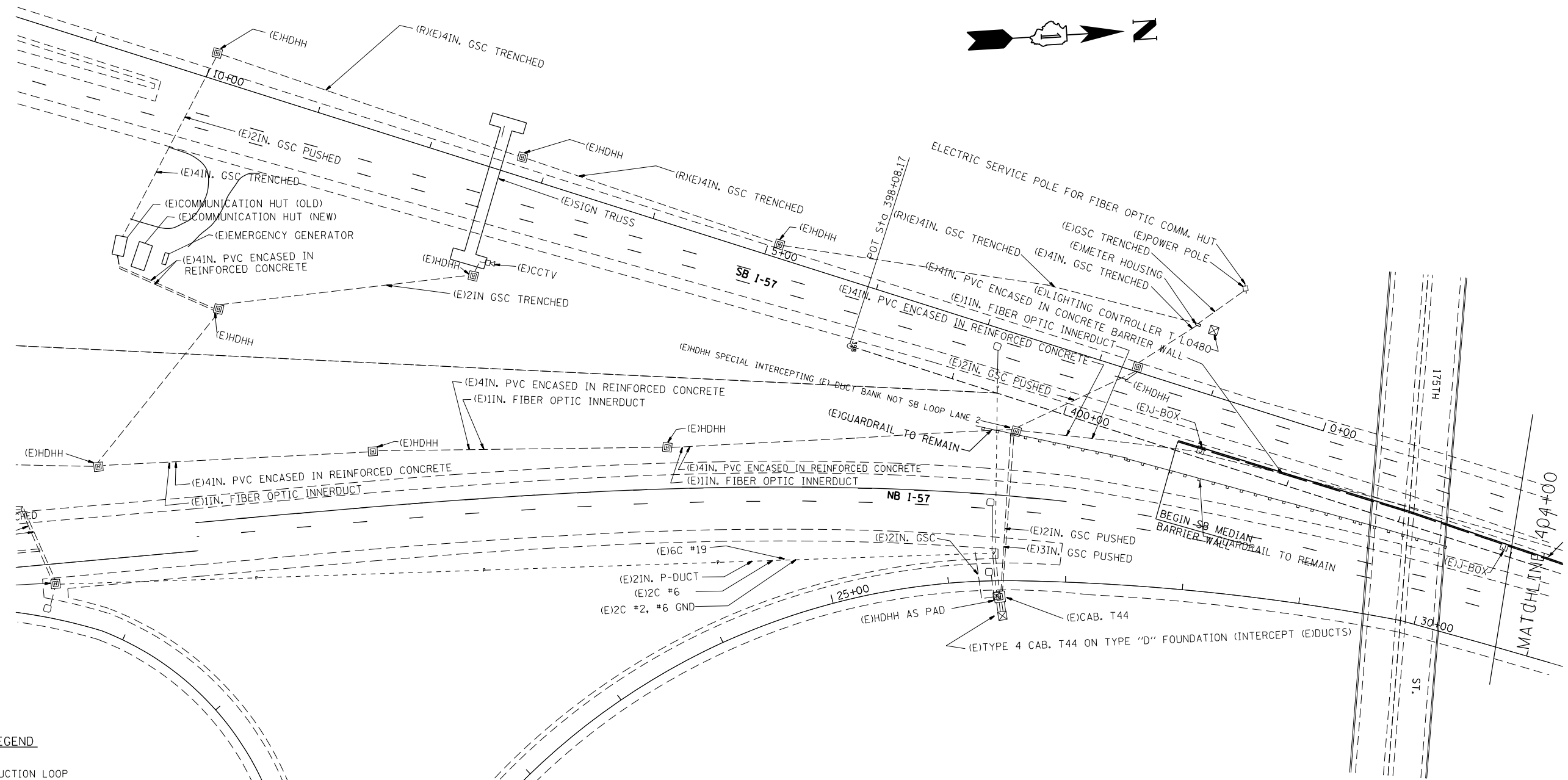
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	107
CONTRACT NO. 46539				
ILLINOIS / FED. AID PROJECT				

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SYMBOL	LEGEND
□	INDUCTION LOOP
○	ROUND INDUCTION LOOP
⊠	TSC CABINET
⊙	TELEPHONE SERVICE
⊞	SERVICE INSTALLATION
⊡	JUNCTION BOX
⊞	HEAVY DUTY HAND HOLE
- - -	POLYETHYLENE DUCT
- - -	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

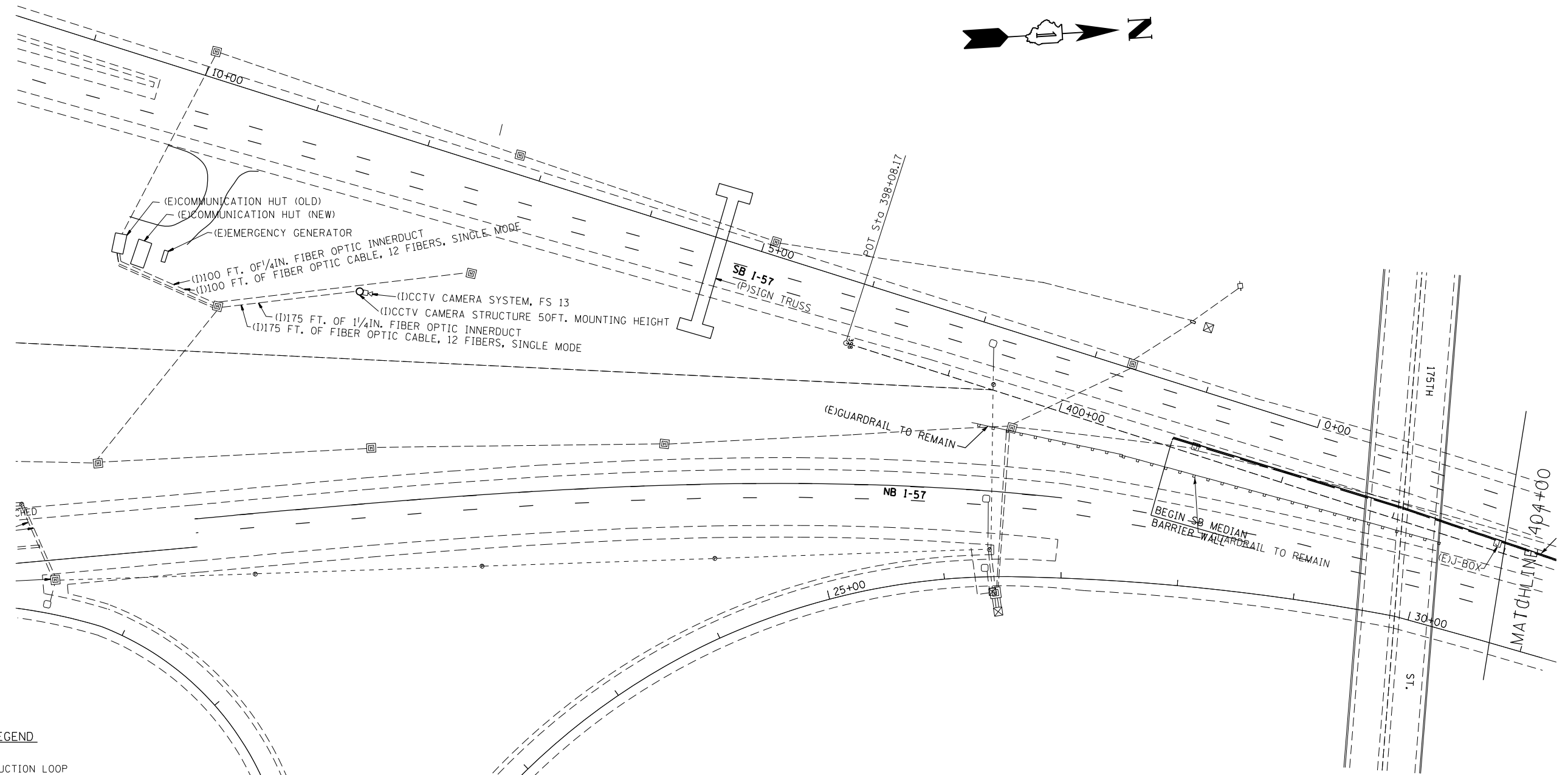
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	DRAWN -	REVISED -
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PLOT DATE = 9/29/2021	DATE - 09/24/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57
NORTH OF I-80 INTERCHANGE NEW CAMERA
 EXISTING (LOCATION 12)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		VARIOUS	115	108
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	



SYMBOL	LEGEND
	INDUCTION LOOP
	ROUND INDUCTION LOOP
	TSC CABINET
	TELEPHONE SERVICE
	SERVICE INSTALLATION
	JUNCTION BOX
	HEAVY DUTY HAND HOLE
	POLYETHYLENE DUCT
	GALVANIZED STEEL CONDUIT
(E)	EXISTING
(P)	PROPOSED
(I)	INSTALL
(R)	REMOVE

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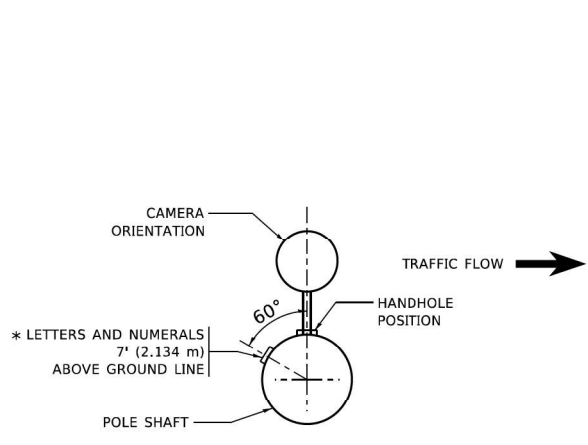
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PLOT DATE = 9/29/2021	DATE - 09/24/21	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

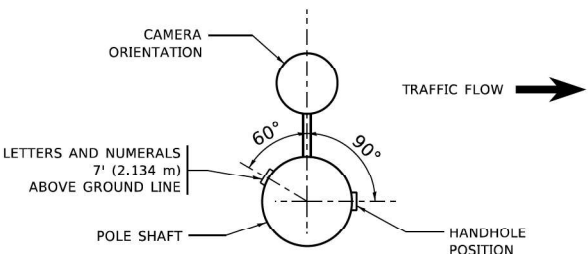
I-57
NORTH OF I-80 INTERCHANGE NEW CAMERA
 PROPOSED (LOCATION 12)

SCALE: SHEET OF SHEETS STA. TO STA.

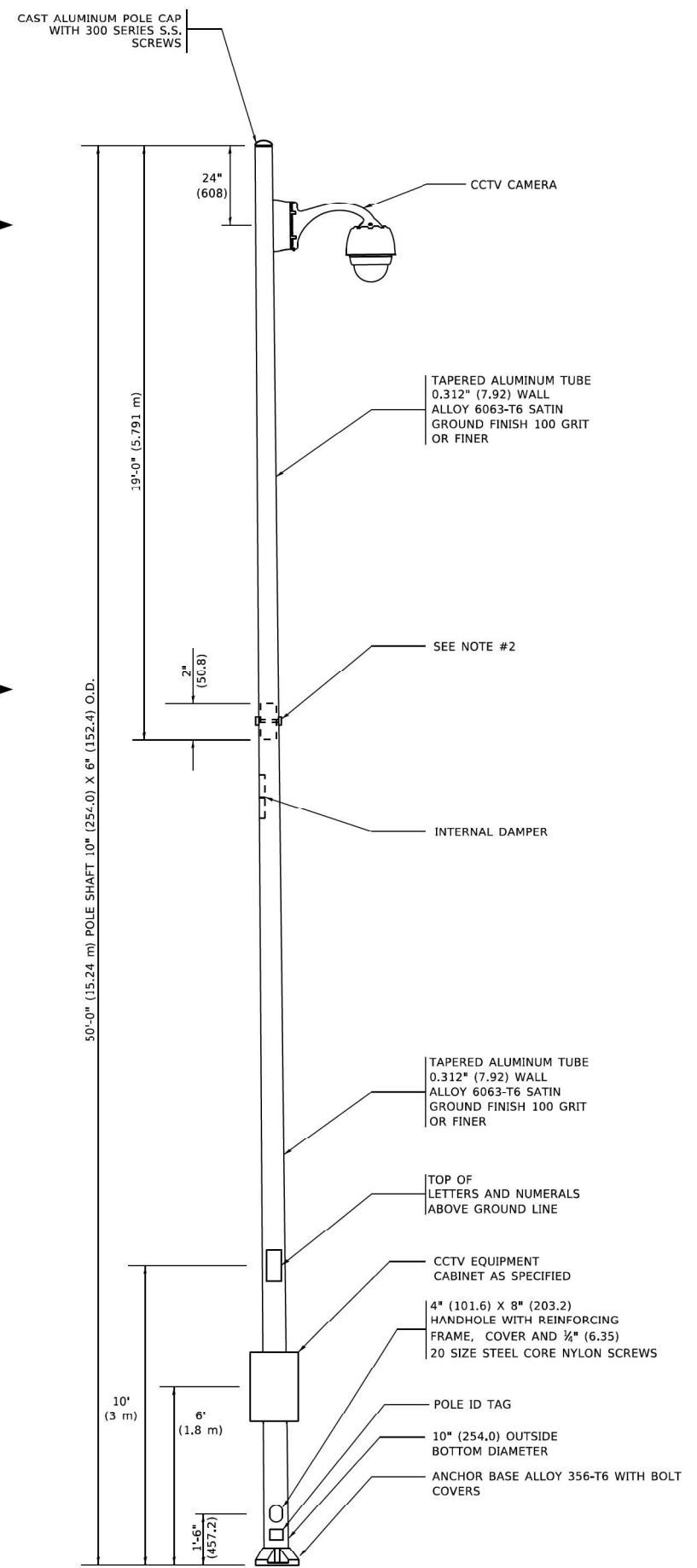
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVH SIN STR REPL 20-27		VARIOUS	115	109
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				



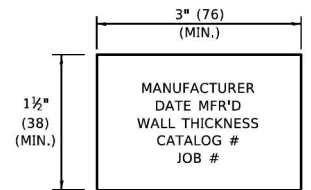
POSITION OF HANDHOLE AND CAMERA NUMBER FOR POLE MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



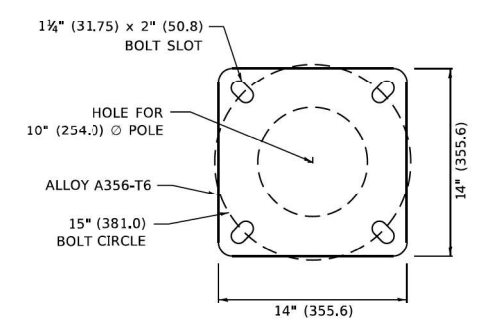
POSITION OF HANDHOLE AND CAMERA NUMBER



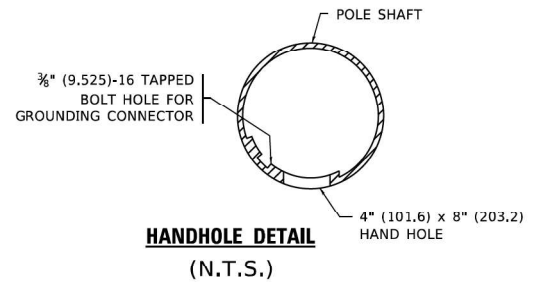
- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 3. THE POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 5. POLES WILL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
 6. POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



POLE ID TAG
NTS



POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL
(N.T.S.)

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 PROJECT: ...
 DRAWN BY: ...
 DATE: ...

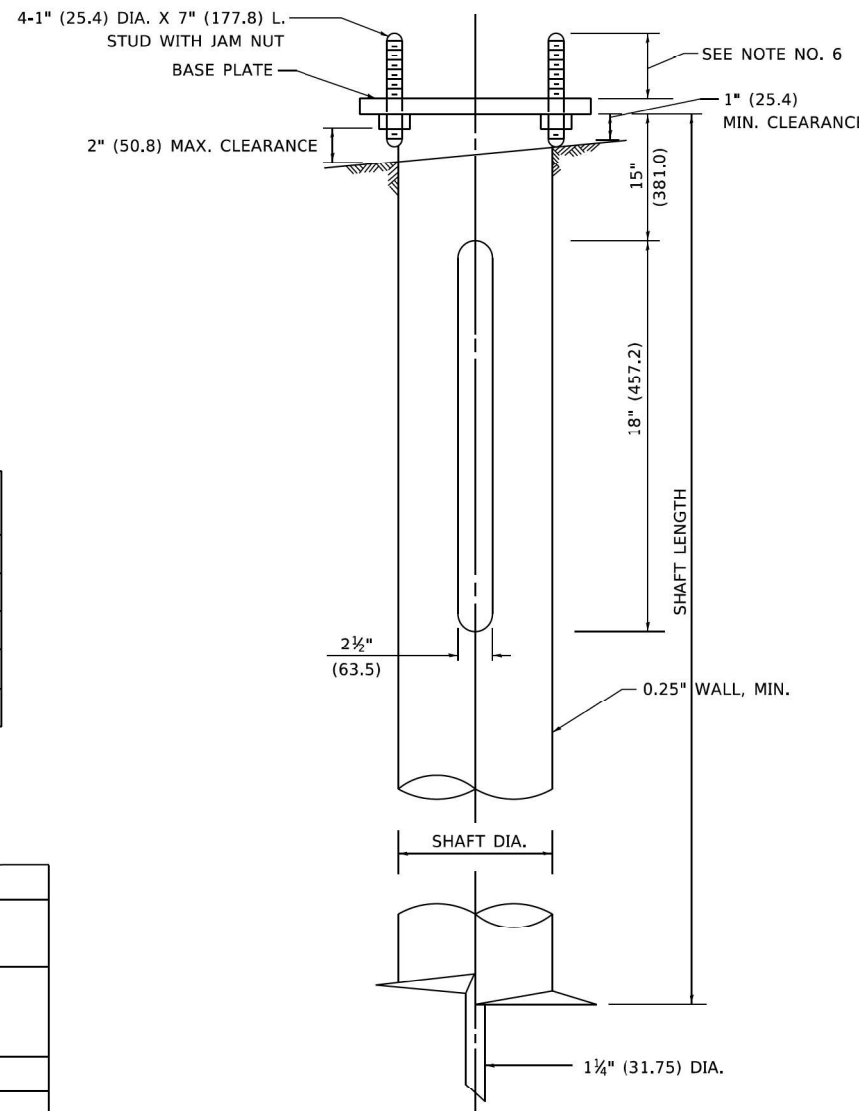
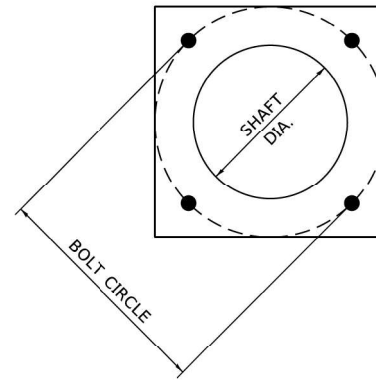
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PLOT DATE = 9/24/2021	DATE -	REVISED - R. TOMSONS 05-04-14

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CCTV CAMERA STRUCTURE
50' (15.24 m) MOUNTING HEIGHT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	110
BE-1000		CONTRACT NO. 46539		
ILLINOIS		FED. AID PROJECT		



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

MODEL: D:\p\aut\...
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 PROJECT: ...
 CONTRACT: ...
 SHEET: ...

USER NAME: mezag	DESIGNED: -	REVISED: -
PLOT SCALE: 100,0000' / in.	DRAWN: DLB	REVISED: -
PLOT DATE: 9/24/2021	CHECKED: -	REVISED: -
	DATE: 02-27-07	REVISED: -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHT POLE FOUNDATION, METAL

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 20-27	VARIOUS	119	111
BE-305		CONTRACT NO.46539		
ILLINOIS FED. AID PROJECT				

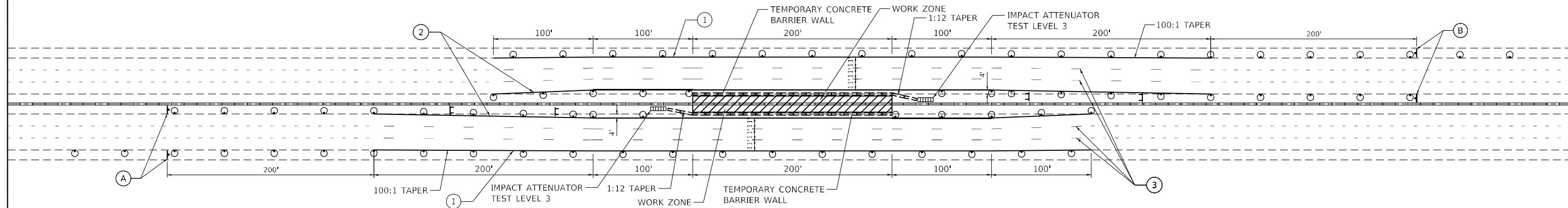
NOTES:

EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED.

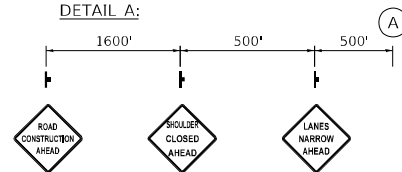
CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHOULD BE WHITE. LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE EXCEEDS FOUR DAYS.

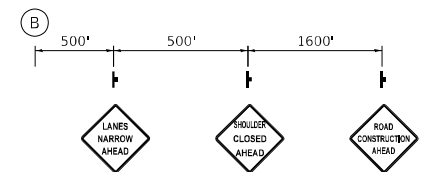


DETAIL A:



W20-1103(0)-48

DETAIL B:



W20-1103(0)-48

PAVEMENT MARKING LEGEND

- ① EXISTING PAVEMENT MARKING
- ② TEMP. PVT. MK. TAPE, TYPE IV, 4", SOLID, YELLOW
- ③ TEMP. PVT. MK. TAPE, TYPE IV, 5", SKIP-DASH, 10' DASH, 30' SKIP, WHITE

MODEL: Default
 FILE NAME: p:\project\paw\bea\paw.com\FW\DOT\Documents\DOT Office\District 11\Project\116002\210\CAD\Drawn\Traffic\46539-pfc-csa\tra.dgn

USER NAME = mezag	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN STRUCTURE REPAIR
TYPICAL MOT FOR LOCATIONS #1, 2, 7, 8, 9, 10, & 11**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	112
			CONTRACT NO. 46539	
		ILLINOIS	FED. AID PROJECT	

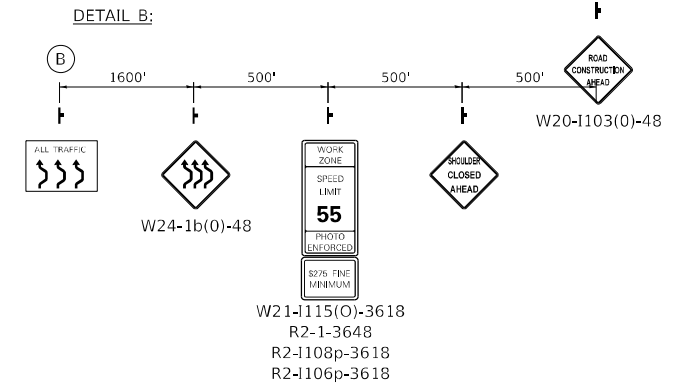
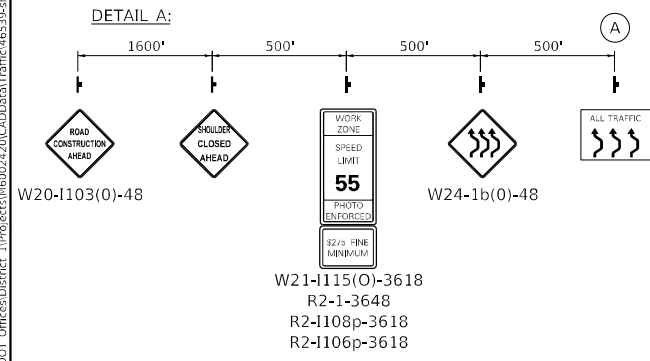
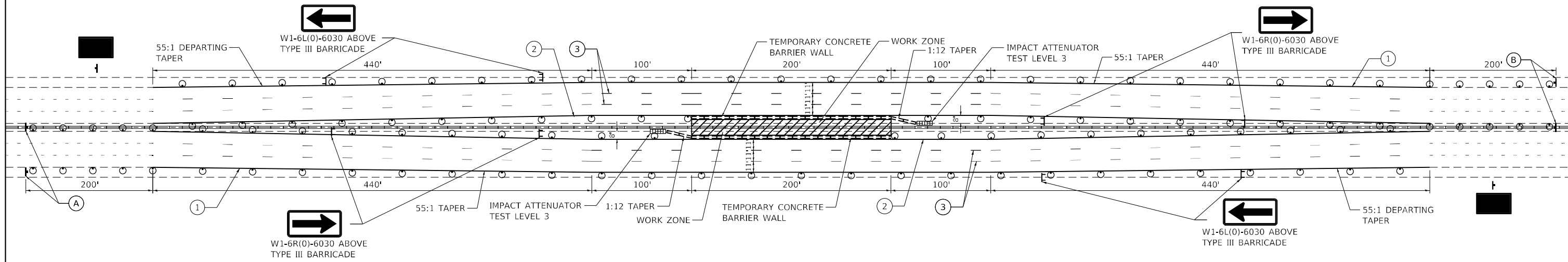
NOTES:

EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED.

CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHOULD BE WHITE. LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE EXCEEDS FOUR DAYS.



PAVEMENT MARKING LEGEND

- ① TEMP. PVT. MK. TAPE, TYPE IV, 4", SOLID, WHITE
- ② TEMP. PVT. MK. TAPE, TYPE IV, 4", SOLID, YELLOW
- ③ TEMP. PVT. MK. TAPE, TYPE IV, 5", SKIP-DASH, 10' DASH, 30' SKIP, WHITE

MODEL: Default
 FILE NAME: p:\projects\paw_bentley.com\PIV\DOT\Documents\DOT Office\District 3\Projects\165002\20CAD\Drawn\Traffic\46539-pts-cta01m.dgn

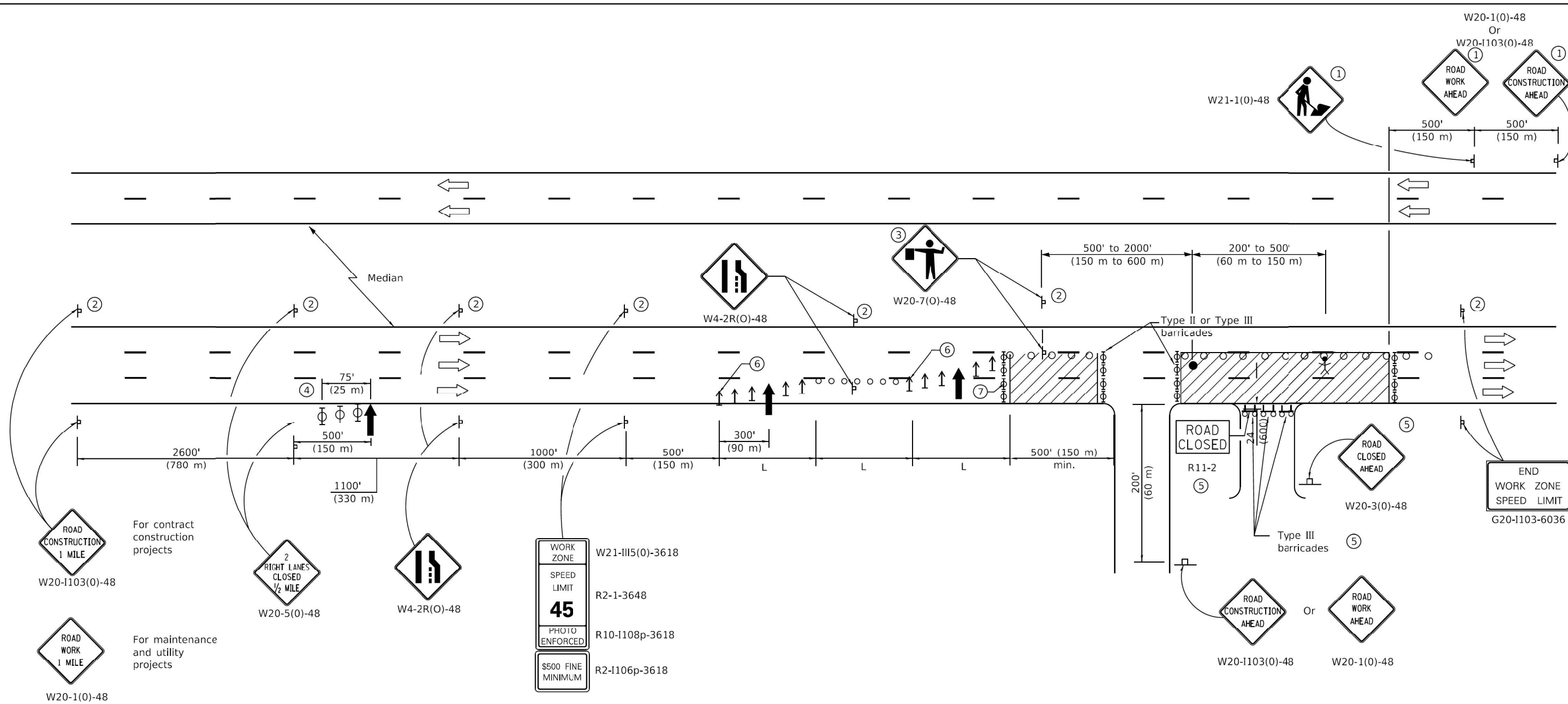
USER NAME = mezag	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN STRUCTURE REPAIR TYPICAL MOT FOR LOCATION #13			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	113
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: p:\p\stdet-pw-beadefy.com\FW\DOT\Documents\DOT Office\District 11\projects\116002\220\CD\00a\Traffic\46539-pts-stdet.dgn



For contract construction projects
 W20-1103(0)-48
 W20-5(0)-48
 W4-2R(0)-48
 For maintenance and utility projects
 W20-1(0)-48

WORK ZONE W21-III5(0)-3618
 SPEED LIMIT R2-1-3648
 PHOTO ENFORCED R10-1108p-3618
 \$500 FINE MINIMUM R2-1106p-3618

L = lane width X taper ratio	
Normal Posted Speed	Taper Ratio
mph	
55	55/1
45	45/1

TYPICAL APPLICATIONS

Pavement patch
 Utility operations
 Bituminous resurfacing

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- ⊥ Sign
- ↑ Direction Indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- ⚓ Worker
- ⦿ Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① Undivided roadway only with left lane closure in opposite direction.
- ② Omitted when median is less than 10' (3 m).
- ③ FLAGGER signs shall be moved as necessary to maintain the required spacing between the sign and each separate work activity.
- ④ Three Type II barricades, drums, or vertical barricades at 50' (15 m) centers.
- ⑤ For approved sideroad closures.
- ⑥ Directional barricades at 50' (15 m) centers.
- ⑦ Check barricades shall be placed in the middle of the closed lanes and the shoulder at 1000' (300m) centers.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the lane adjacent to the shoulder, or on the shoulder within 24 (600) of the edge of pavement.

This Standard also applies when work is being performed in the left lane. Under these conditions, LEFT LANE CLOSED signs shall be substituted for RIGHT LANE CLOSED signs. On undivided highways, signs shall be added in the opposite direction as shown.

All dimensions are in inches (millimeters) unless otherwise shown.

2 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH

LOCATION 22

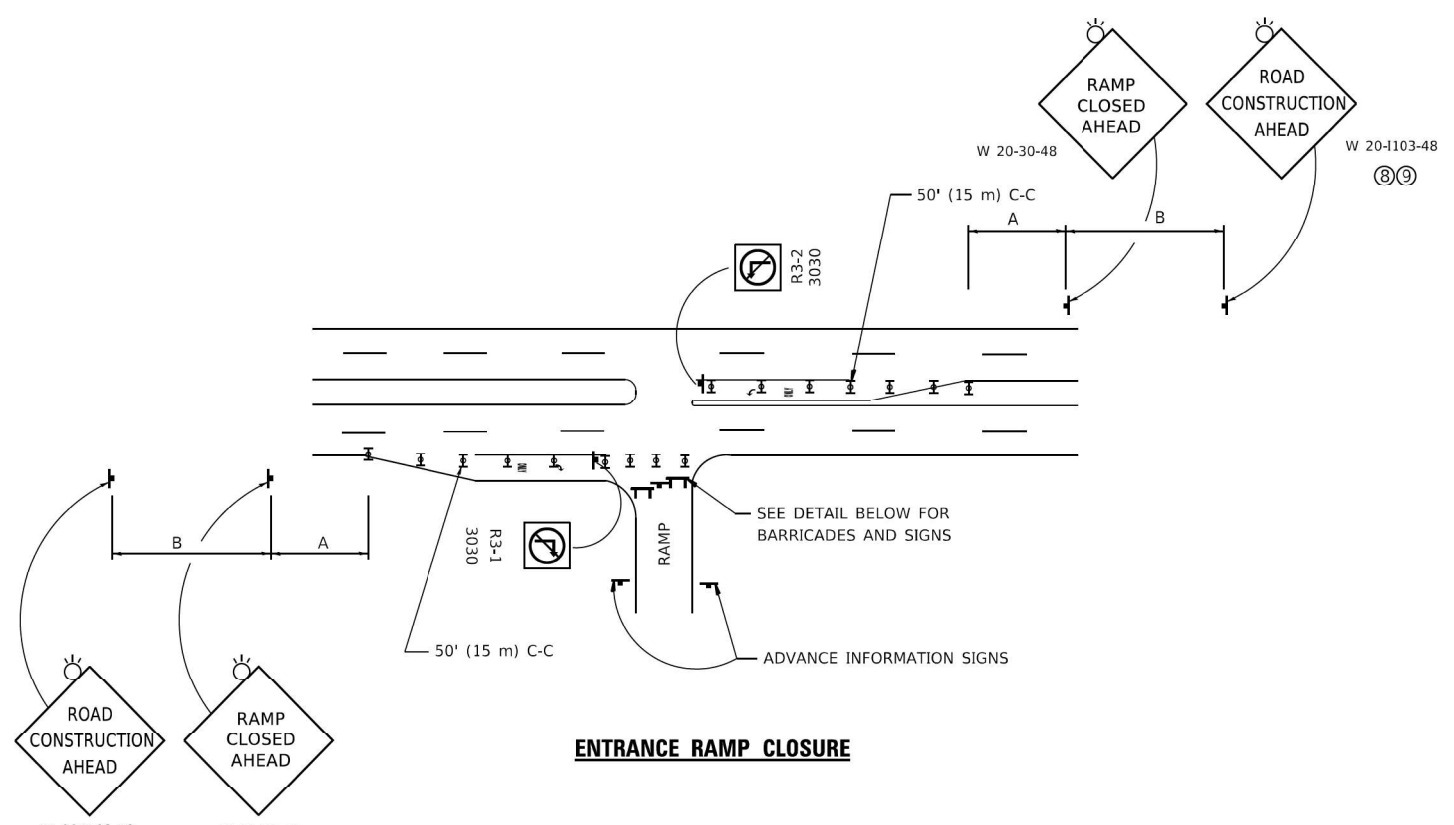
USER NAME = mezag	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

2 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH (LOCATION 22)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 20-27		VARIOUS	119	114
CONTRACT NO. 46539				
ILLINOIS FED. AID PROJECT				

MODEL: D:\p\aut\...
 FILE: W:\E\...

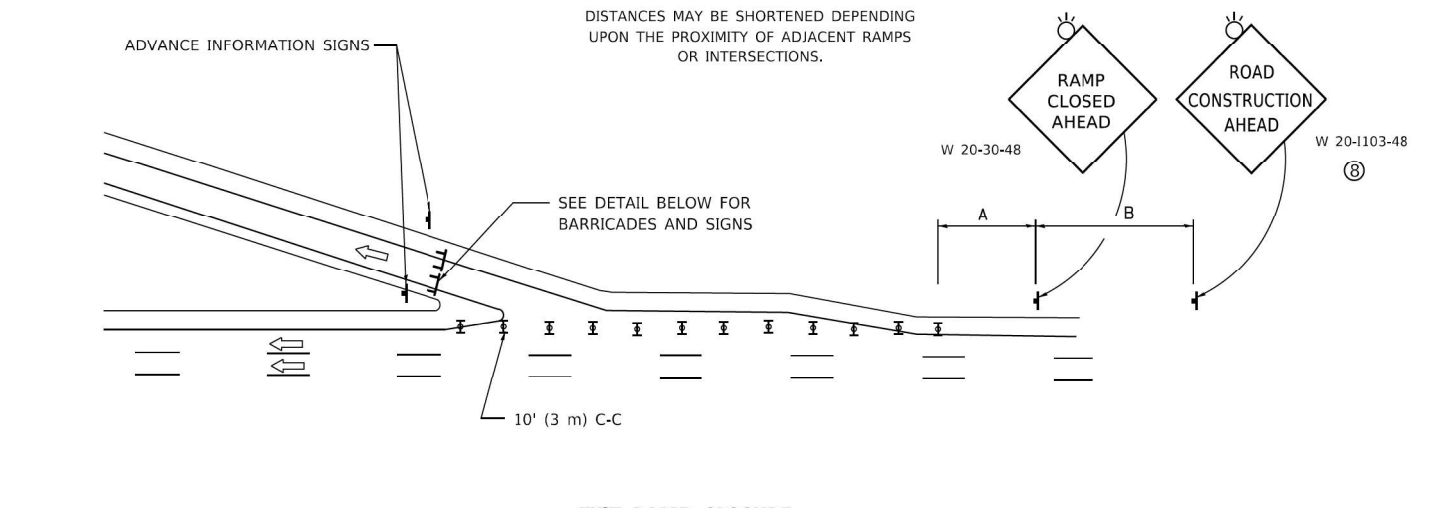


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

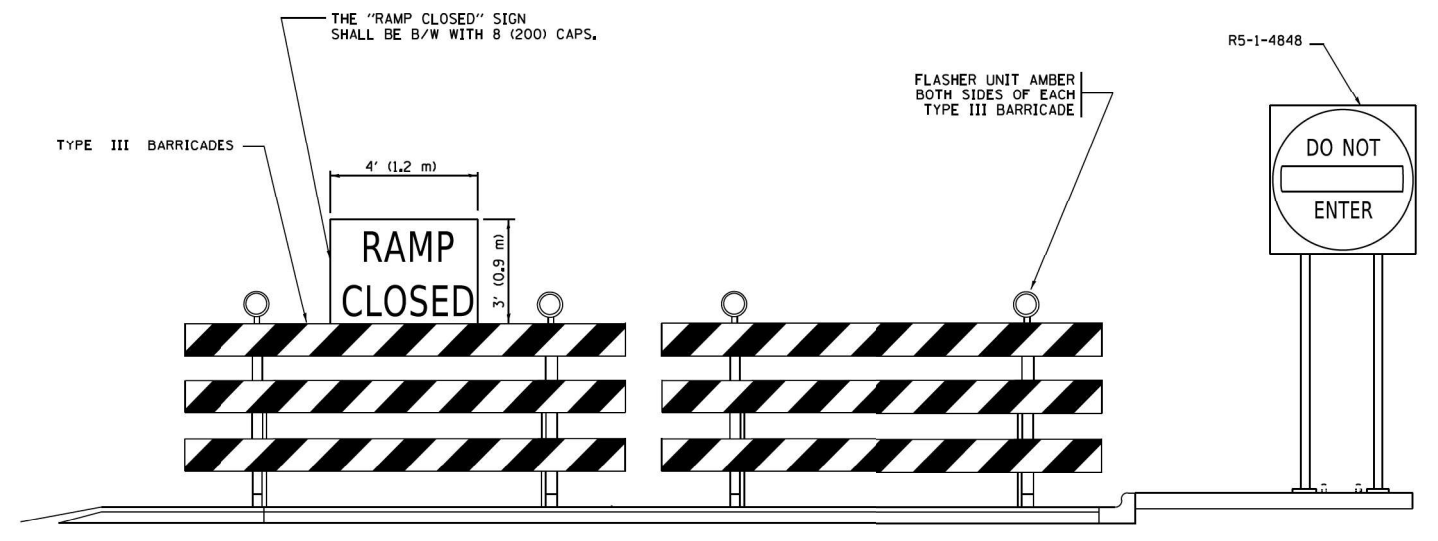
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

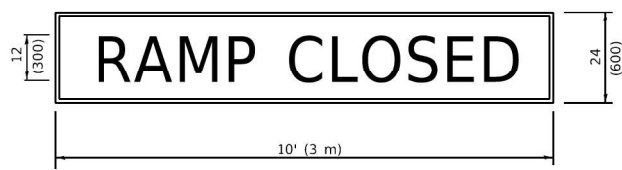
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



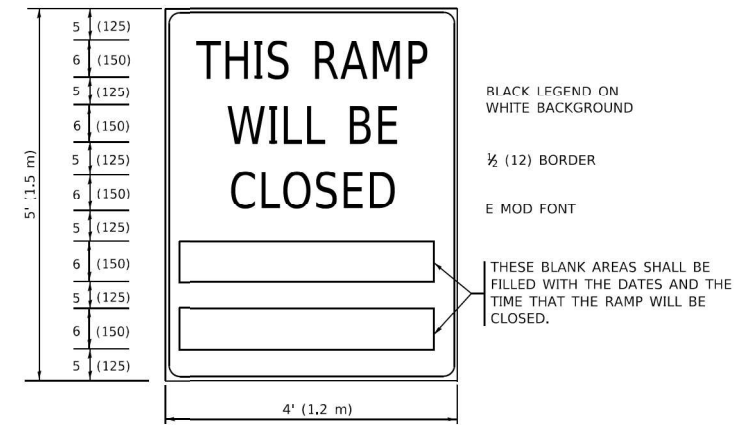
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
 E MOD FONT
 1 (25) BORDER
 THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
 1/2 (12) BORDER
 E MOD FONT
 THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME ~ mezag	DESIGNED ~ D.W.S.	REVISED ~ S.P.B._01-07
DRAWN ~	REVISED ~ S.P.B._12-09	
PLOT SCALE ~ 100,0000' / in.	CHECKED ~	REVISED ~ M.D._06-13
PLOT DATE ~ 9/29/2021	DATE ~ 02-83	REVISED ~ M.D._01-18

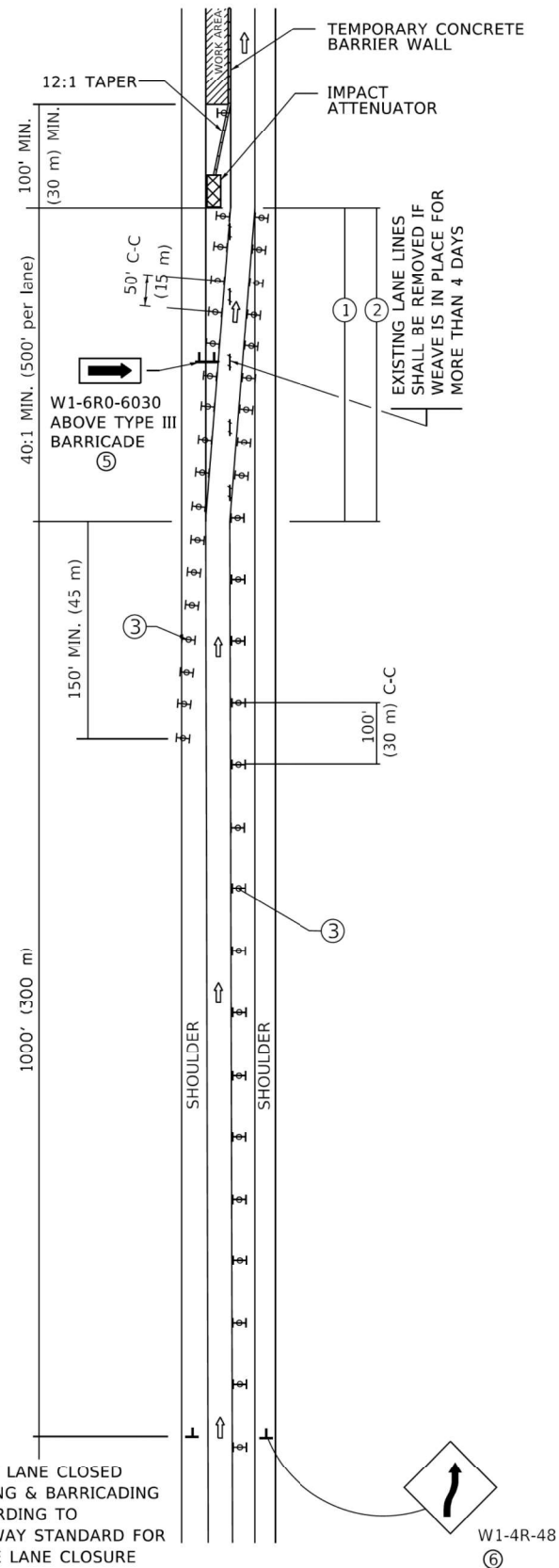
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

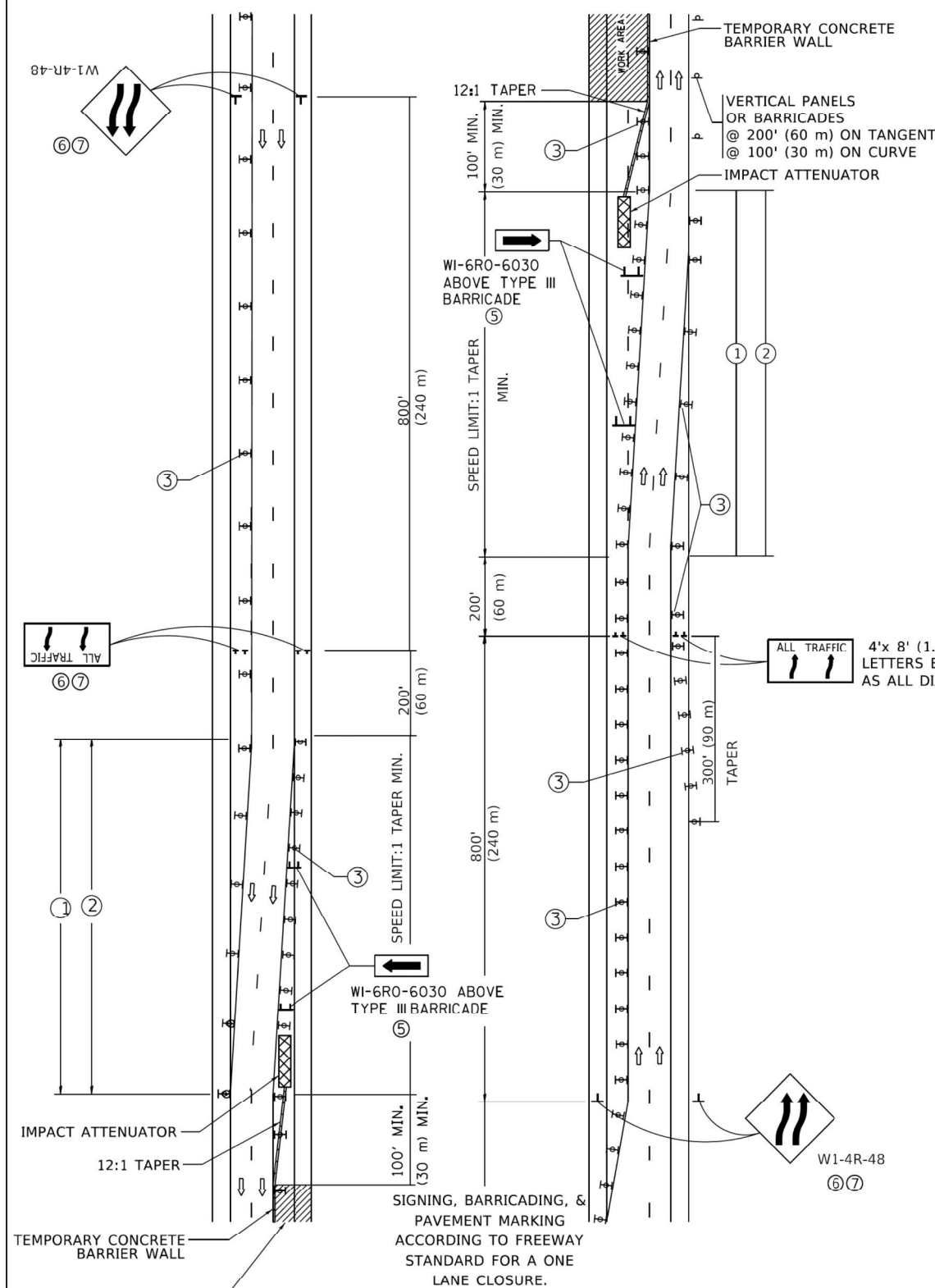
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-08			CONTRACT NO.46539	
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE

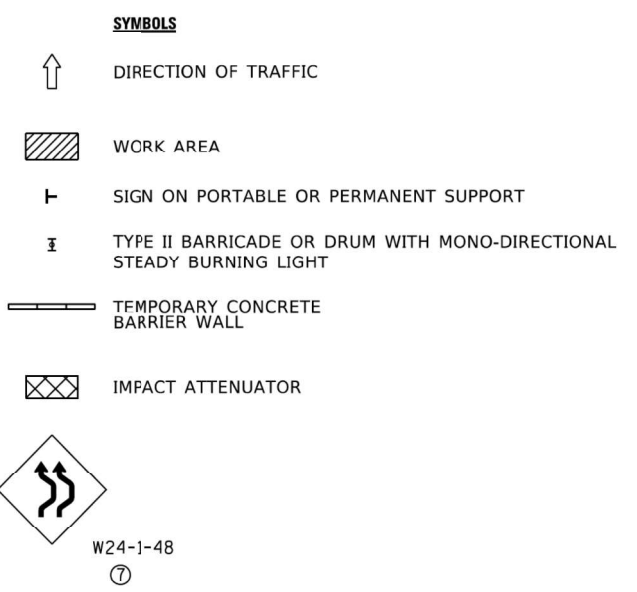


MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

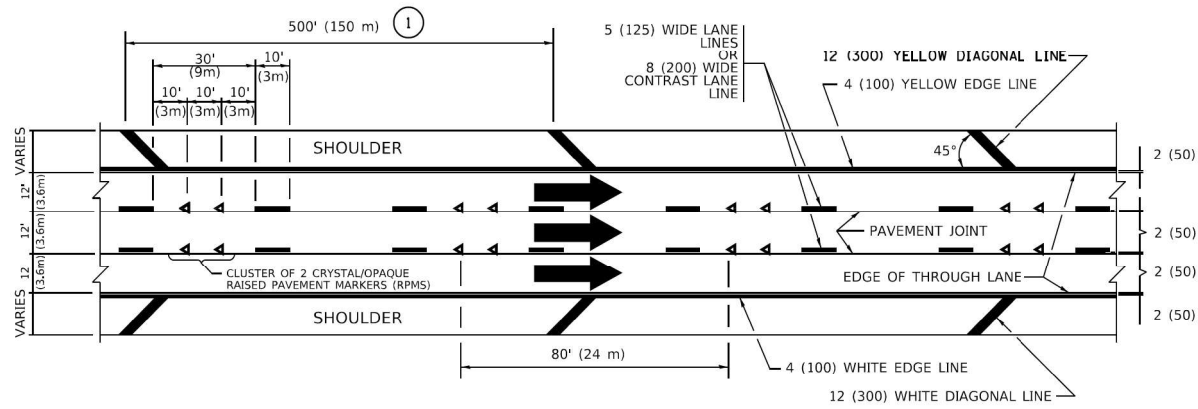
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 PROJECT: ...
 CONTRACT NO. 46539

USER NAME = mezag	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
DRAWN -	REVISED - S.P.B. 01-07	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 12-09
PLOT DATE = 9/29/2021	DATE - 02-87	REVISED - M.D. 06-13

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

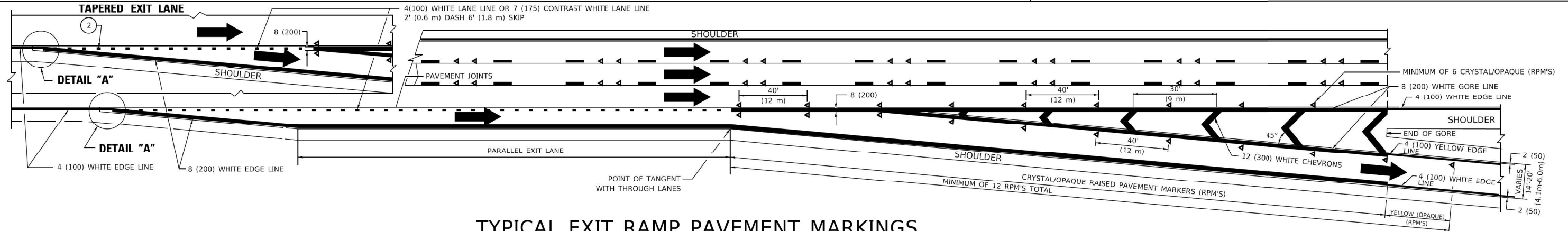
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-09			CONTRACT NO. 46539	
ILLINOIS FED. AID PROJECT				



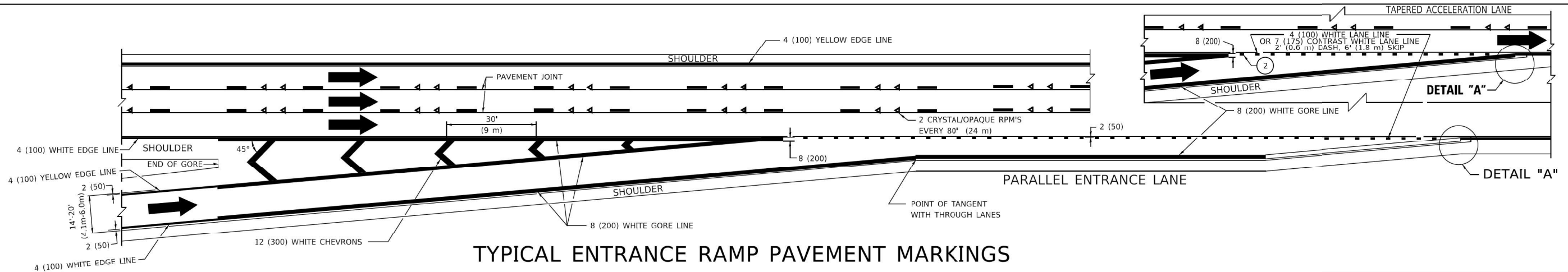
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

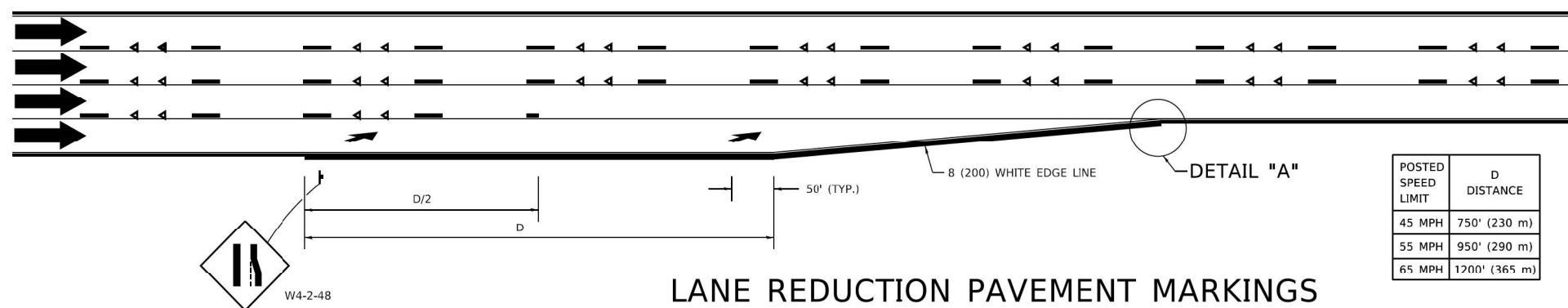
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

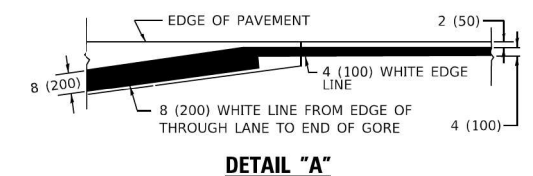


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1700' (365 m)



NOTES:

1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

MODEL: D:\p\aut\...
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 PROJECT: I:\Projects\46539\46539\Drawings\46539\46539\46539.dwg
 DATE: 9/29/2021

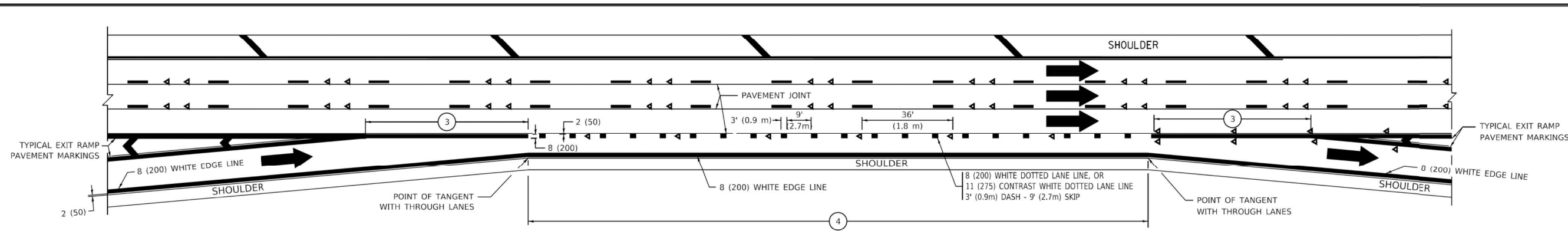
USER NAME = mezag	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
	DRAWN -	REVISED - S.P.B. 01-10
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 05-13
PLOT DATE = 9/29/2021	DATE - 01-90	REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

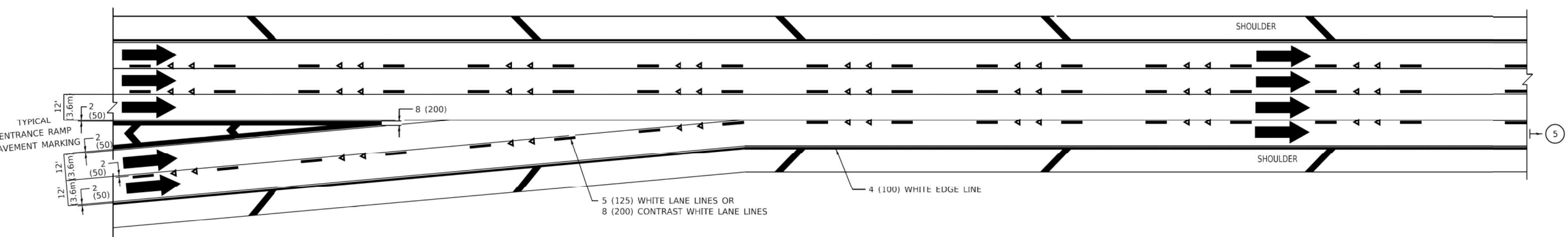
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

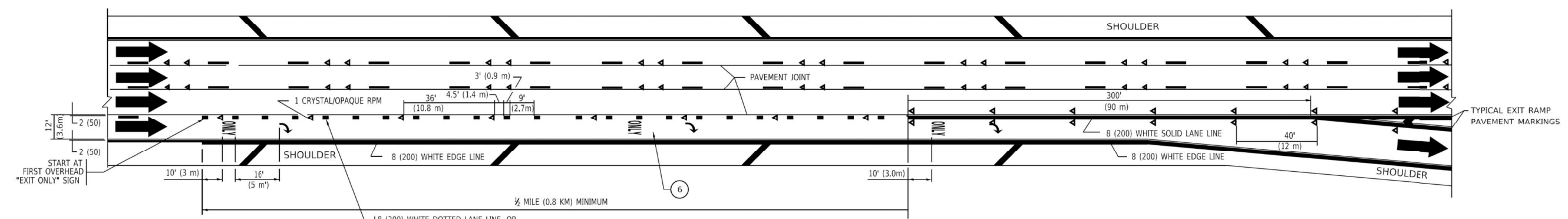
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 DVD SIN STR REPL 28-27	VARIOUS	119	117
TC-12			CONTRACT NO. 46539	
ILLINOIS FED. AID PROJECT				



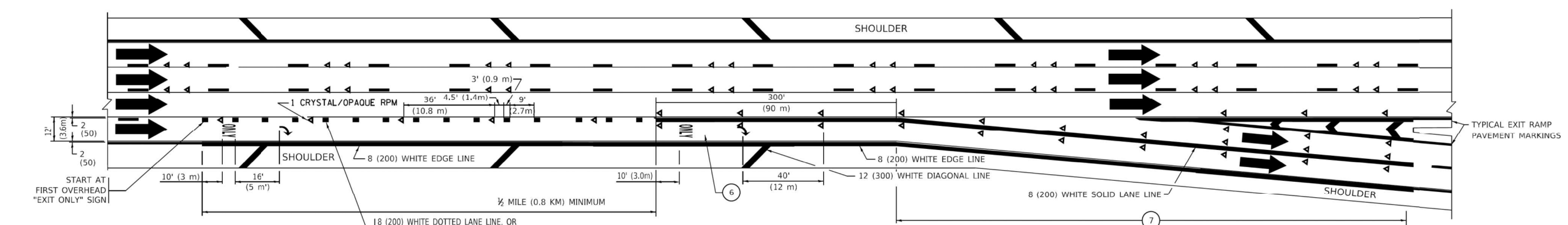
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

MODEL - D:\p\aut\...
 FILE NAME - ...

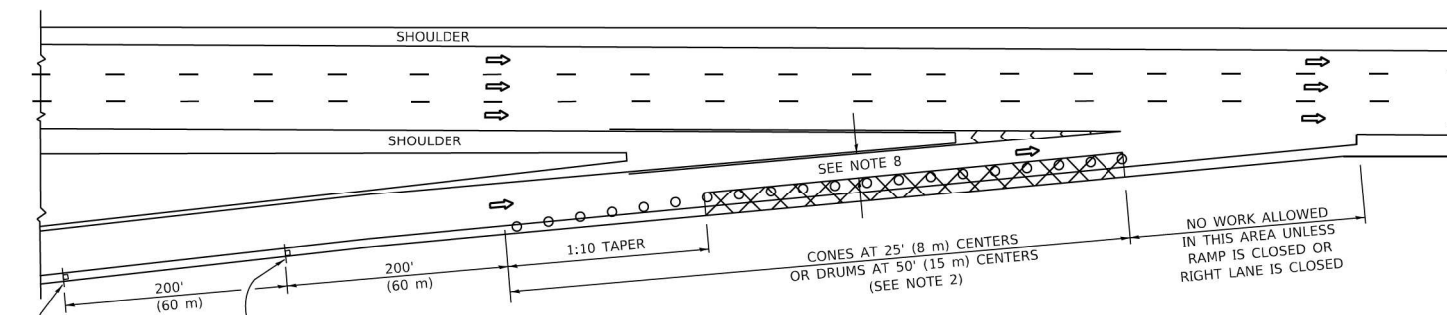
USER NAME = mezag	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
DRAWN -	REVISED - S.P.B. 01-07	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 9/29/2021	DATE - 01-90	REVISED - M.D. 09-17

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

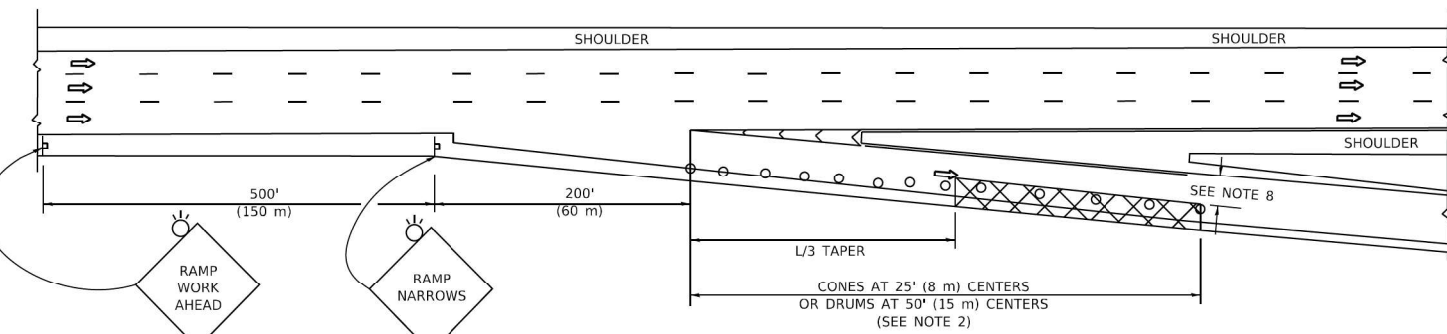
MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			
SCALE: NONE	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 DVD SIN STR REPL 28-27		119	118
TC-12		CONTRACT NO. 46539		
ILLINOIS FED. AID PROJECT				

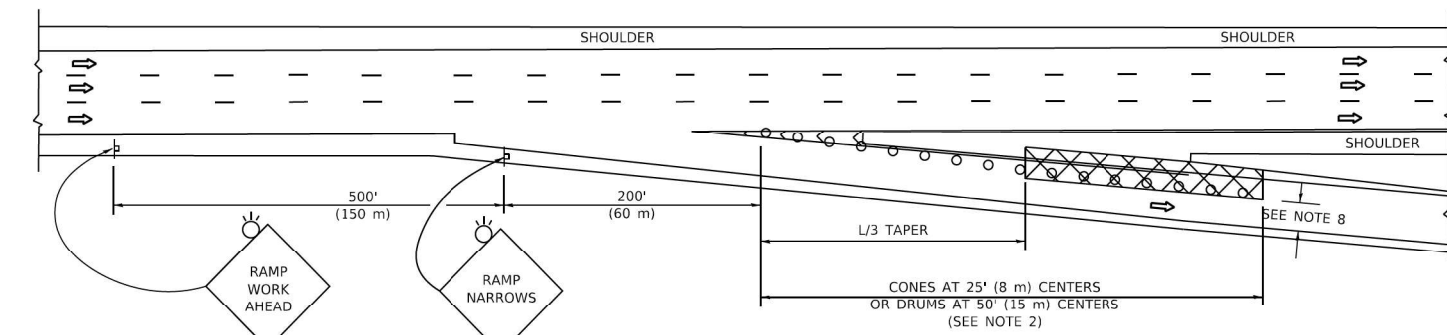
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

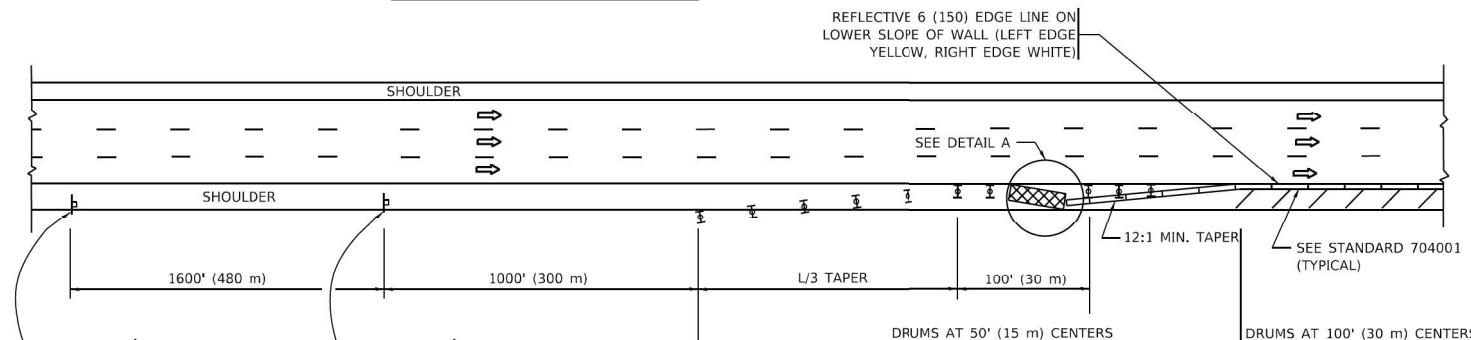
GENERAL NOTES:

- THE "L" DISTANCE EQUALS:

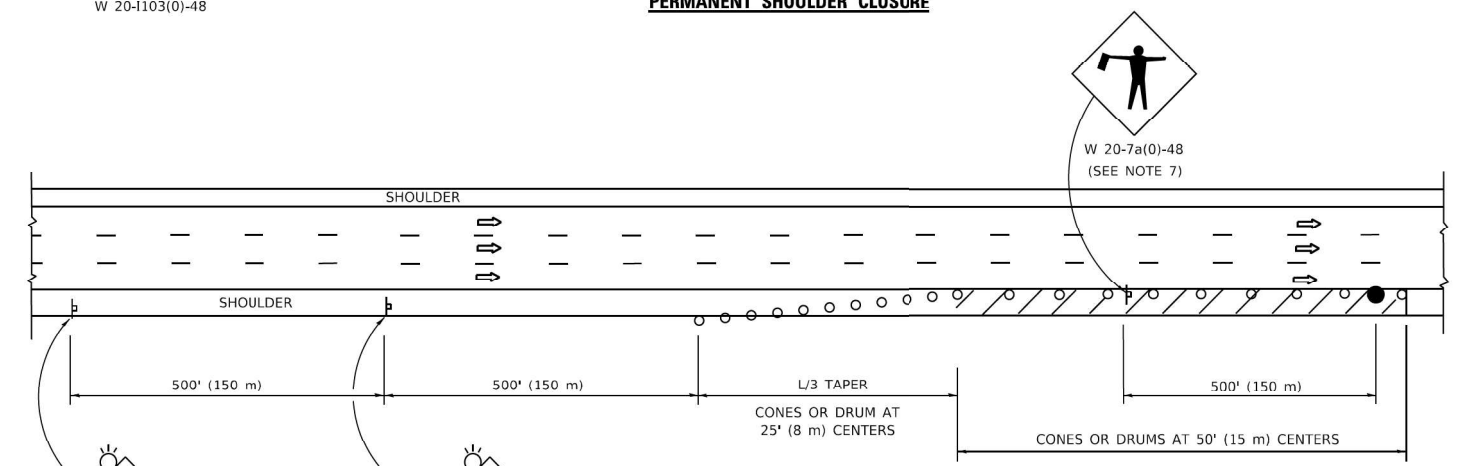
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

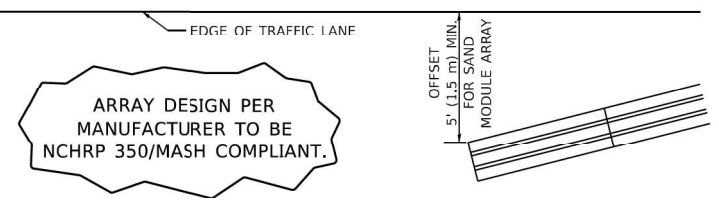


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC. THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\p\aut\... PROJECTS\46539... CONTRACT NO. 46539... DATE: 9/29/2021

USER NAME = mezag	DESIGNED -	REVISED - S.P.B. 12-09
	DRAWN - D.W.S.	REVISED - M.D. 06-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - M.D. 01-18
PLOT DATE = 9/29/2021	DATE - 11-96	REVISED - M.D. 10-20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 DVD SIN STR REPL 28-27		VARIOUS	119	119
TC-17		CONTRACT NO. 46539		
ILLINOIS FED. AID PROJECT				