

066

11-09-2018 LETTING ITEM 066

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVH SIN STR REPL 18-34	VARIOUS	87	1
ILLINOIS			CONTRACT NO. 46472	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

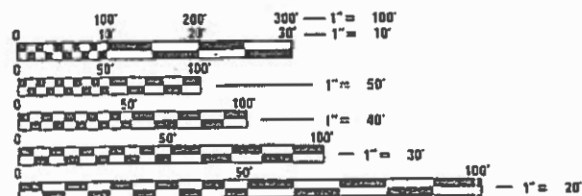
PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION: D-1 OVH SIN STR REPL 18-34
D1 OVERHEAD SIGN STRUCTURE REPLACEMENT
DUPAGE AND WILL COUNTIES

M-60-008-18



THE PROJECT IS LOCATED IN THE CITY OF JOLIET, WILMINGTON, ELMHURST, AND THE VILLAGE OF ITASCA, ADDISON, CHANNAHON AND BURR RIDGE IN THE DUPAGE AND WILL COUNTIES.



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

PROJECT ENGINEER: NEDAL QARUT (847) 705-4151 / HUSSAIN MESYEF (847) 705-4381
PROJECT MANAGER: HUSSAIN MESYEF (847) 705-4381

CONTRACT NO. 46472

FOR LOCATION MAP
SEE SHEETS NO. 3-4

VARIOUS TOWNSHIPS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 2 2018
Anthony Guey
REGIONAL ENGINEER

Oct 5 2018
See [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 9 2018
Paul P. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3 - 4	LOCATION MAPS
5 - 7	SUMMARY OF QUANTITIES
8 - 9	SCHEDULE OF QUANTITIES
10 - 25	ALUMINUM SPAN SIGN TRUSS PLANS
26 - 34	ALUMINUM CANTILEVER SIGN TRUSS PLANS
35 - 36	BREAK-AWAY WIDE FLANGE STEEL SIGN POST
37 - 62	SIGN PANEL PLANS
63 - 79	SOIL BORING LOGS
80 - 81	REMOVAL OF ELECTRICAL LIGHTING FROM SIGN STRUCTURE (BE-610)
82	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
83	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)
84	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
85	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
86	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)
87	ARTERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

STD. NO.	TITLE
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
643001-02	SAND MODULE IMPACT ATTENUATORS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-11	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720021-02	SIGN PANELS, EXTRUDED ALUMINUM TYPE

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.

FOR OVERHEAD SIGN STRUCTURES, THE END SUPPORTS ARE INCLUDED IN THE COST OF THE OVERHEAD SPAN OR CANTILEVER STRUCTURE UNLESS OTHERWISE SPECIFIED

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.

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 REMOVE AND REINSTALL PAY ITEM.

THIS PROJECT HAS RECEIVED AN IN-HOUSE ENVIRONMENTAL SIGN-OFF. UNLESS OTHERWISE NOTED IN THE PLANS, ANY SOIL EXCAVATED SHALL REMAIN ON SITE. THE CONTRACTOR SHALL SPREAD THE SOIL AT THE SAME LOCATION IT WAS EXCAVATED. THE GRADING SHALL BE DONE SO THAT THE EXISTING DITCH PROFILES AND WATER FLOW PATTERNS ARE MAINTAINED. THIS WORK SHALL BE INCLUDED IN THE RELATED PAY ITEMS, AND NO EXTRA COMPENSATION SHALL BE ALLOWED. THE FINAL GROUND SURFACE SHALL BE COVERED WITH TOPSOIL, SEED, AND EROSION CONTROL BLANKET FOR WHICH NOMINAL QUANTITIES HAVE BEEN PROVIDED.

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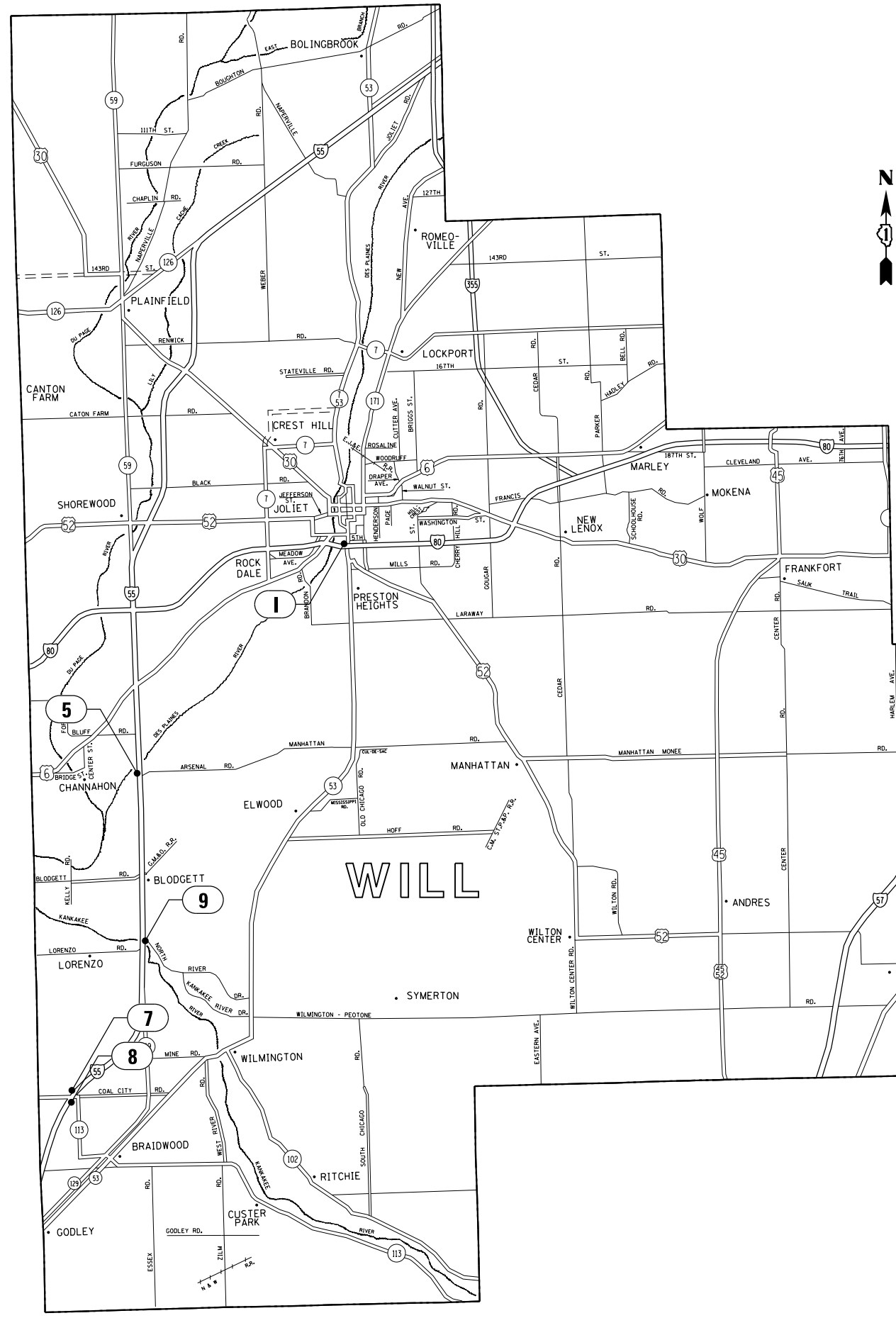
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PLOT DATE = 8/16/2018	DATE - 11/03/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS	87	2	
			CONTRACT NO. 46472	
ILLINOIS FED. AID PROJECT				



LOC. NO.	LOCATION NAME	STRUCTURE NO.	CLASSIFICATION	ADT (YEAR)	POSTED SPEED	MUNICIPALITY	COUNTY
B	NB I-355 AT I-290	1S0221355R031.6-000	EXPRESSWAY	24,000 (2016)	50	ITASCA	DUPAGE
C	NB I-355 AT I-290	1S0221355R031.5-000	EXPRESSWAY	24,000 (2016)	50	ITASCA	DUPAGE
D	NB I-355 AT I-290	1S0221355R031.2-000	EXPRESSWAY	24,000 (2016)	50	ITASCA	DUPAGE
E	WB TO SB RAMP I-290 TO I-355	1S0221355L031.7-000	EXPRESSWAY	56,900 (2016)	50	ADDISON	DUPAGE
I	WB I-80 AT CHICAGO	1S0991080L132.8-000	EXPRESSWAY	85,300 (2016)	55	JOLIET	WILL
P	SB IL 83 AT I-290	1S022S083L000.0-000	ARTERIAL	12,600 (2016)	45	ADDISON	DUPAGE
Q	SB IL 83 AT I-290	1S022S083L000.0-001	ARTERIAL	6,400 (2016)	30	ADDISON	DUPAGE
R	SB IL 83 AT I-290	1C022S083L000.0-000	ARTERIAL	11,900 (2016)	30	ADDISON	DUPAGE
5	SB I-55 AT 1 MILE N OF ARSENAL RD	1C0991055L245.6-000	EXPRESSWAY	56,000 (2016)	60	CHANNAHON	WILL
6	NB IL 83 AT NB I-55	1S0221055R274.6-000	ARTERIAL	31,200 (2016)	55	BURR RIDGE	DUPAGE
7	SB I-55 AT IL 113	1C0991055L236.0-000	EXPRESSWAY	32,800 (2016)	70	COAL CITY	WILL
8	NB I-55 AT IL 113	1C0991055R235.5-000	EXPRESSWAY	22,700 (2016)	70	COAL CITY	WILL
9	NB I-55 AT NORTH RIVER RD	1C0991055R241.0-000	EXPRESSWAY	42,500 (2016)	70	WILMINGTON	WILL
10	EB IL 64 AT EB I-290	1C022S064R000.0-000	ARTERIAL	36,800 (2016)	30	ELMHURST	DUPAGE
11	WB I-290 AT YORK AVE	1S0221290L012.2-000	EXPRESSWAY	16,800 (2016)	25	ELMHURST	DUPAGE
12	WB I-290 AT NB IL 83	1S0221290L010.9-000	EXPRESSWAY	129,600 (2016)	55	ELMHURST	DUPAGE
14	WB IL 38 AT NB YORK RD	1S022S038L000.0-000	ARTERIAL	2,900 (2016)	55	ELMHURST	DUPAGE
15	NB IL 83 SOUTH OF US 20	1C022S083R000.0-002	ARTERIAL	54,200 (2016)	50	ADDISON	DUPAGE
16	SB IL 83 AT NB I-55	1C0221055R274.5-001	ARTERIAL	7,900 (2016)	25	BURR RIDGE	DUPAGE
17	NB IL 83 AT SB I-55	1C0221055L274.5-000	ARTERIAL	2,100 (2016)	25	BURR RIDGE	DUPAGE

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LOCATION MAPS (2 OF 2)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME = pociechal DESIGNED - DRAWN - PLOT SCALE = 100,0000' / in. PLOT DATE = 8/16/2018		DESIGNED - DRAWN - CHECKED - BS DATE - 11/03/2017		REVISED - REVISED - REVISED - REVISED -		D-1 OVD SIN STR REPL 18-34	VARIOUS	ILLINOIS	87	4
SCALE:				SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT										

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																							
				B	C	D	E	P	Q	R	6	10	11	12	14	15	16	17	I	5	7	8	9				
				DUPAGE																100% STATE				WILL			
																				0021							
																				URBAN							
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	190	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	0.038	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002		0.002	0.002	0.002	0.002	0.002	0.002	0.002			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2.28	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	2.28	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	190	10	10	10	10	10	10	10	10	10	10	10	10		10	10	10	10	10	10	10	10			
44001980	CONCRETE BARRIER REMOVAL	FOOT	140		40	40									30		30										
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	40									40															
63200310	GUARDRAIL REMOVAL	FOOT	6									6															
* 63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	180							120							60										
63700175	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	FOOT	30		15	15																					
63700805	CONCRETE BARRIER TRANSITION	FOOT	100		30	30								20		20											
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2						2																		
64301090	ATTENUATOR BASE	SQ YD	54.6						54.6																		
67100100	MOBILIZATION	L SUM	1	1																							

* SPECIALTY ITEMS

USER NAME = poclechal	DESIGNED - BR / HM	REVISED -
DRAWN - LP	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - BS	REVISOR -
PLOT DATE = 8/16/2018	DATE - 11/03/2017	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
(SHEET 1 OF 3)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	5
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

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				CONSTRUCTION CODE																					
				B	C	D	E	P	Q	R	6	10	11	12	14	15	16	17	I	5	7	8	9		
				DUPAGE																	WILL				
				100% STATE																					
				0021																					
				URBAN																					
CODE NO.	ITEM	UNIT	TOTAL QUANTITY																						
73400100	CONCRETE FOUNDATIONS	CU YD	1.4																			1.4			
* 73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	407.76	30.63	30.63	25.64	28.5	28.5	30.63	12.7	28.5	12.7	24.21	28.48	25.64	12.3	12.7	12.7	28.5			12.7	12.7	9.4	
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	10	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		
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	26	2			2	2	2	1	2	1	2	1	2	1	1	1	2	1	1	1	1		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	24											16		8									
X0100003	CLEARING AND GRUBBING	SQ YD	106	10	10	10	10	10			10				10		10	10			16				
X0325265	REMOVE ELECTRIC SERVICE	EACH	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Z0050600	REMOVE AND RESET ORNAMENTAL FENCE	FOOT	30							30															
X1700078	REMOVE AND RE-ERECT EXISTING SOUND BARRIER WALL	FOOT	100	30	40												30								

* SPECIALTY ITEMS

USER NAME = pociechal	DESIGNED - BR / HM	REVISED - LP 04/09/18
DRAWN - LP	CHECKED - BS	REVISED -
PLOT SCALE = 100.0000' / in.	DATE - 11/03/2017	REVISED -
PLOT DATE = 8/16/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
(SHEET 3 OF 3)**

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 18-34		VARIOUS	87	7
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

LOCATION NO.	B	STATE I.D. NO.	1S0221355R031.6-000					
COUNTY	DUPAGE	ROUTE	I-355	M.P.	31.6	DIRECTION	NB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
SIGN PANEL - TYPE 3							SQ FT	498.8
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")							FOOT	100
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	30.63
REMOVE OVERHEAD SIGN STRUCTURE - SPAN							EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	2
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05
REMOVE AND RE-ERECT SOUND BARRIER WALL							FOOT	30

LOCATION NO.	C	STATE I.D. NO.	1S0221355R031.5-000					
COUNTY	DUPAGE	ROUTE	I-355	M.P.	31.5	DIRECTION	NB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
CONCRETE BARRIER REMOVAL							FOOT	40
CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT							FOOT	15
CONCRETE BARRIER TRANSITION							FOOT	30
SIGN PANEL - TYPE 3							SQ FT	498.8
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")							FOOT	100
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	30.63
REMOVE OVERHEAD SIGN STRUCTURE - SPAN							EACH	1
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05
REMOVE AND RE-ERECT SOUND BARRIER WALL							FOOT	40
TEMPORARY CONCRETE BARRIER							FOOT	200
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3							EACH	2

LOCATION NO.	D	STATE I.D. NO.	1S0221355R031.2-000					
COUNTY	DUPAGE	ROUTE	I-355	M.P.	31.2	DIRECTION	NB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
CONCRETE BARRIER REMOVAL							FOOT	40
CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT							FOOT	15
CONCRETE BARRIER TRANSITION							FOOT	30
SIGN PANEL - TYPE 3							SQ FT	456.8
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")							FOOT	80
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	25.64
REMOVE OVERHEAD SIGN STRUCTURE - SPAN							EACH	1
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05
TEMPORARY CONCRETE BARRIER							FOOT	200
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3							EACH	2

LOCATION NO.	E	STATE I.D. NO.	1S0221355L031.7-000					
COUNTY	DUPAGE	ROUTE	I-355	M.P.	31.7	DIRECTION	WB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
SIGN PANEL - TYPE 3							SQ FT	338.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")							FOOT	70
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	28.5
REMOVE OVERHEAD SIGN STRUCTURE - SPAN							EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	2
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05

LOCATION NO.	I	STATE I.D. NO.	1S0991080L132.8-000					
COUNTY	WILL	ROUTE	I-80	M.P.	132.8	DIRECTION	WB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
RELOCATE SIGN PANEL - TYPE 3							SQ FT	489
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")							FOOT	85
DRILLED SHAFT CONCRETE FOUNDATIONS							SQ FT	28.5
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	0.05

LOCATION NO.	P	STATE I.D. NO.	1S022S083L000.0-000					
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	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3							EACH	2
ATTENUATOR BASE							SQ YD	54.6
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421							L SUM	0.14
SIGN PANEL - TYPE 2							SQ FT	28
SIGN PANEL - TYPE 3							SQ FT	536
REMOVE SIGN PANEL - TYPE 2							SQ FT	28
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")							FOOT	85
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	28.5
REMOVE OVERHEAD SIGN STRUCTURE - SPAN							EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	2
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05

LOCATION NO.	O	STATE I.D. NO.	1S022S083L000.0-001					
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	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B							FOOT	120
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421							L SUM	0.14
SIGN PANEL - TYPE 3							SQ FT	478.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5'-0" X 7'-0")							FOOT	80
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	30.63
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	0.05
REMOVE AND RESET ORNAMENTAL FENCE							FOOT	30

LOCATION NO.	R	STATE I.D. NO.	1C022S083L000.0-000					
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	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421							L SUM	0.14
SIGN PANEL - TYPE 3							SQ FT	84
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")							FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER							EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	1
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05

LOCATION NO.	5	STATE I.D. NO.	1C0991055L245.6-000					
COUNTY	WILL	ROUTE	I-55	M.P.	245.6	DIRECTION	SB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
CONCRETE FOUNDATIONS							CU YD	1.4
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER							EACH	1
SIGN PANEL - TYPE 3							SQ FT	119
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY							POUND	450
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	1
CLEARING AND GRUBBING							SQ YD	16
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05

LOCATION NO.	6	STATE I.D. NO.	1S022I055R274.6-000					
COUNTY	DUPAGE	ROUTE	I-55	M.P.	274.6	DIRECTION	NB	
PAY ITEM DESCRIPTION							UNIT	QTY
TOPSOIL FURNISH AND PLACE, 4"							SQ YD	10
SEEDING, CLASS 2A							ACRE	0.002
NITROGEN FERTILIZER NUTRIENT							POUND	0.12
POTASSIUM FERTILIZER NUTRIENT							POUND	0.12
EROSION CONTROL BLANKET							SQ YD	10
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS							FOOT	40
GUARDRAIL REMOVAL							FOOT	6
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601							L SUM	0.5
SIGN PANEL - TYPE 3							SQ FT	227.5
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")							FOOT	90
DRILLED SHAFT CONCRETE FOUNDATIONS							CU YD	28.5
REMOVE CONCRETE FOUNDATION - OVERHEAD							EACH	2
CLEARING AND GRUBBING							SQ YD	10
REMOVE ELECTRIC SERVICE							EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)							L SUM	0.05

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PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
(SHEET 1 OF 2)**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								D-1 OVD SIN STR REPL 18-34	VARIOUS	87	8
										CONTRACT NO. 46472	
										ILLINOIS	FED. AID PROJECT

LOCATION NO.	7	STATE I.D. NO.	1C0991055L236.0-000						
COUNTY	WILL	ROUTE	I-55	M.P.	235.5	DIRECTION	NB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
SIGN PANEL - TYPE 3								SO FT	175
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	8	STATE I.D. NO.	1C0991055R235.5-000						
COUNTY	WILL	ROUTE	I-55	M.P.	235.5	DIRECTION	NB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
SIGN PANEL - TYPE 3								SO FT	175
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	9	STATE I.D. NO.	1C0991055R241.0-000						
COUNTY	DUPAGE	ROUTE	I-55	M.P.	241.0	DIRECTION	NB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	9.4
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
SIGN PANEL - TYPE 3								SO FT	154
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	10	STATE I.D. NO.	1C022S064R000.0-000						
COUNTY	DUPAGE	ROUTE	IL-64	M.P.	-	DIRECTION	EB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601								L SUM	0.5
SIGN PANEL - TYPE 3								SO FT	108.8
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	11	STATE I.D. NO.	1S022I290L012.2-000						
COUNTY	DUPAGE	ROUTE	I-290	M.P.	12.2	DIRECTION	WB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
SIGN PANEL - TYPE 3								SO FT	276.3
RELOCATE SIGN PANEL - TYPE 2								SO FT	12
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")								FOOT	65
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	24.21
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	0.05

LOCATION NO.	12	STATE I.D. NO.	1S022I290L010.9-000						
COUNTY	DUPAGE	ROUTE	I-290	M.P.	10.9	DIRECTION	WB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
CONCRETE BARRIER REMOVAL								FOOT	30
CONCRETE BARRIER TRANSITION								FOOT	20
TEMPORARY CONCRETE BARRIER								FOOT	200
IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3								EACH	2
SIGN PANEL - TYPE 3								SO FT	468.5
RELOCATE SIGN PANEL - TYPE 2								SO FT	12
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")								FOOT	100
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	28.48
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)								L SUM	0.05

LOCATION NO.	14	STATE I.D. NO.	1S022S038L000.0-000						
COUNTY	DUPAGE	ROUTE	IL-38	M.P.	-	DIRECTION	WB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421								L SUM	0.14
SIGN PANEL - TYPE 3								SO FT	286
OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")								FOOT	75
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	25.64
REMOVE OVERHEAD SIGN STRUCTURE - SPAN								EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	2
CLEARING AND GRUBBING								SO YD	10
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	15	STATE I.D. NO.	1C022S083R000.0-002						
COUNTY	DUPAGE	ROUTE	IL-83	M.P.	-	DIRECTION	NB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
CONCRETE BARRIER REMOVAL								FOOT	30
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B								FOOT	60
CONCRETE BARRIER TRANSITION								FOOT	20
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421								L SUM	0.14
TEMPORARY CONCRETE BARRIER								FOOT	100
IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3								EACH	1
SIGN PANEL - TYPE 3								SO FT	344
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.3
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
BARRIER WALL REFLECTORS, TYPE C								EACH	8
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05
REMOVE AND RE-ERECT SOUND BARRIER WALL								FOOT	30

LOCATION NO.	16	STATE I.D. NO.	1C022I055R274.5-001						
COUNTY	DUPAGE	ROUTE	I-55	M.P.	274.5	DIRECTION	NB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421								L SUM	0.14
SIGN PANEL - TYPE 3								SO FT	94.5
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
CLEARING AND GRUBBING								SO YD	10
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

LOCATION NO.	17	STATE I.D. NO.	1C022I055L274.5-000						
COUNTY	DUPAGE	ROUTE	I-55	M.P.	274.5	DIRECTION	SB		
PAY ITEM DESCRIPTION									
UNIT									
QTY									
TOPSOIL FURNISH AND PLACE, 4"								SQ YD	10
SEEDING, CLASS 2A								ACRE	0.002
NITROGEN FERTILIZER NUTRIENT								POUND	0.12
POTASSIUM FERTILIZER NUTRIENT								POUND	0.12
EROSION CONTROL BLANKET								SO YD	10
TRAFFIC CONTROL AND PROTECTION, STANDARD 701421								L SUM	0.16
SIGN PANEL - TYPE 3								SO FT	94.5
OVERHEAD SIGN STRUCTURE - CANTILEVER, TYPE III-C-A (36" X 7'-0")								FOOT	40
DRILLED SHAFT CONCRETE FOUNDATIONS								CU YD	12.7
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER								EACH	1
REMOVE CONCRETE FOUNDATION - OVERHEAD								EACH	1
CLEARING AND GRUBBING								SO YD	10
REMOVE ELECTRIC SERVICE								EACH	1
TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)								L SUM	0.05

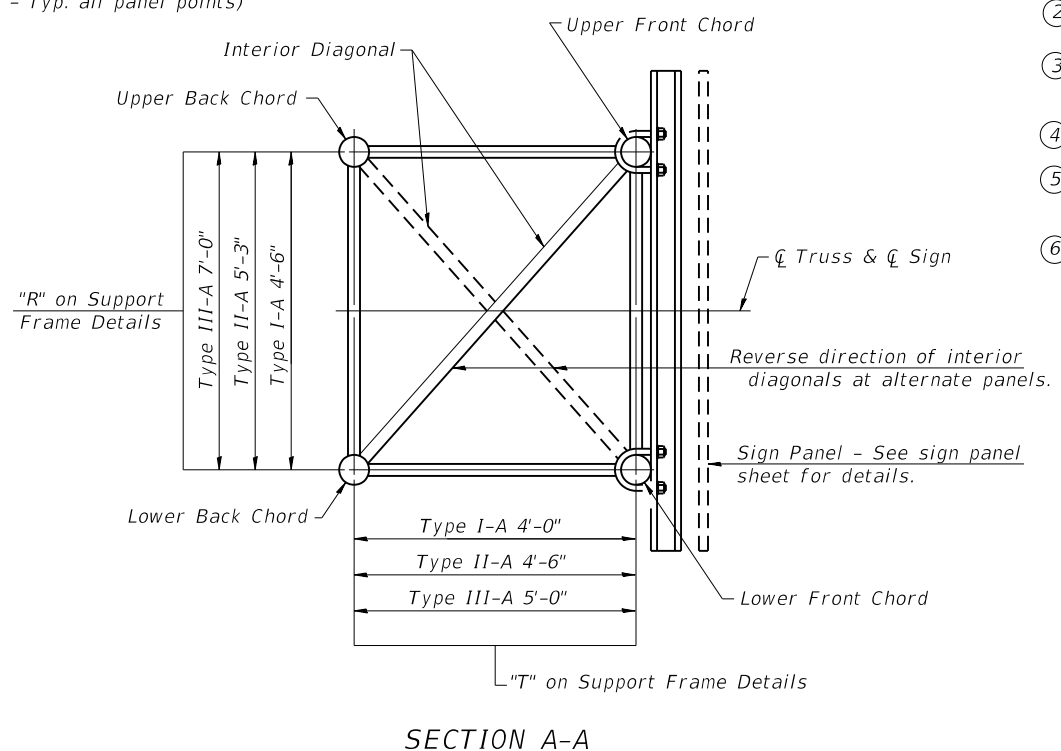
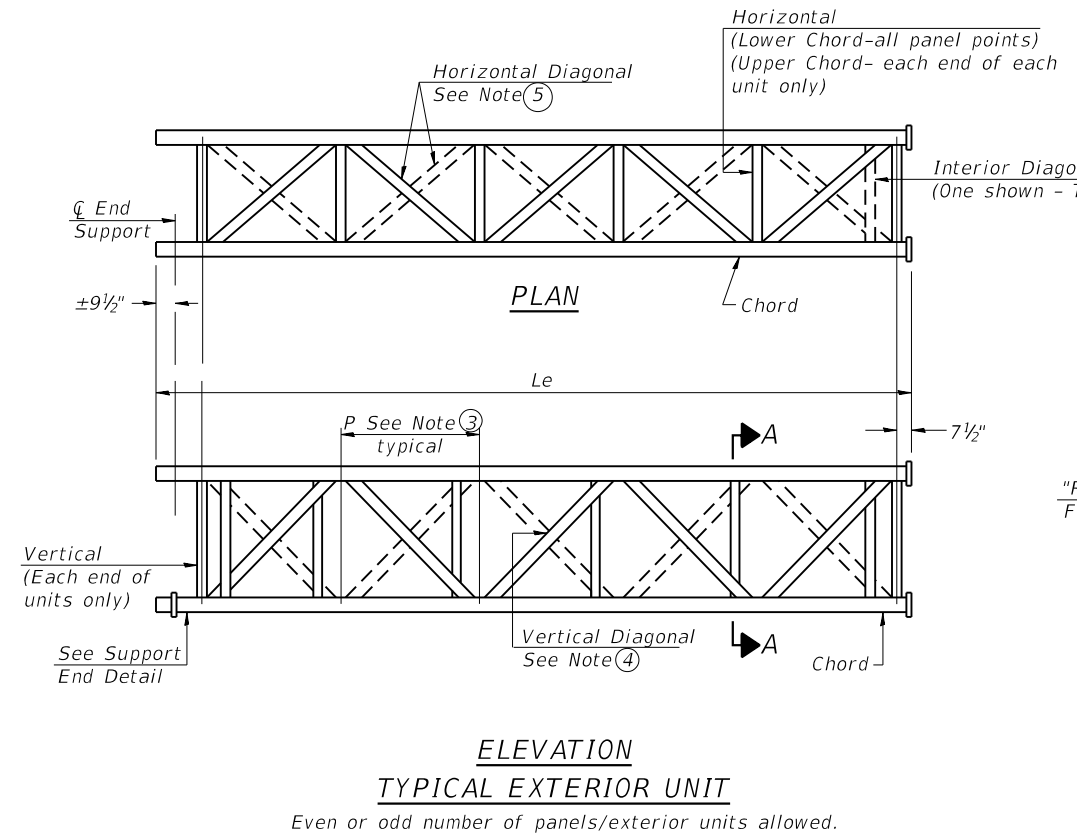
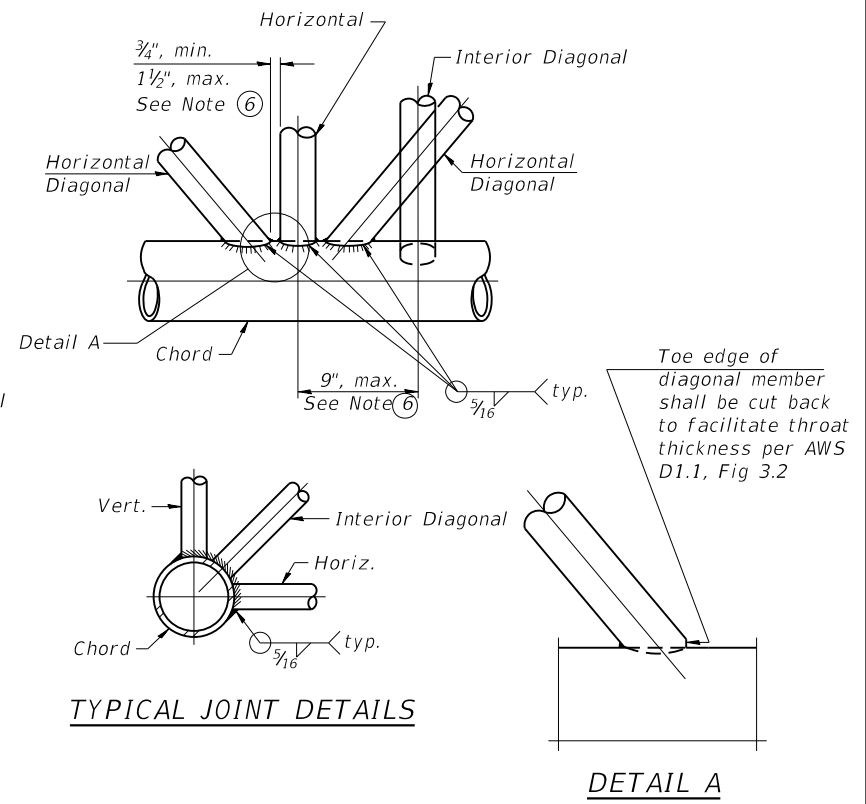
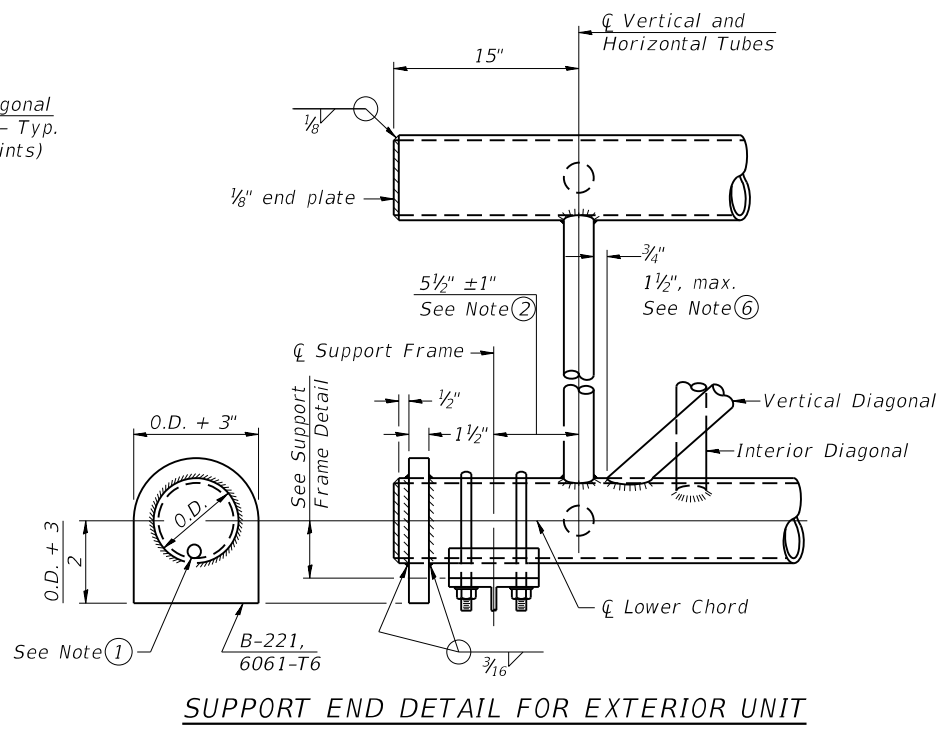
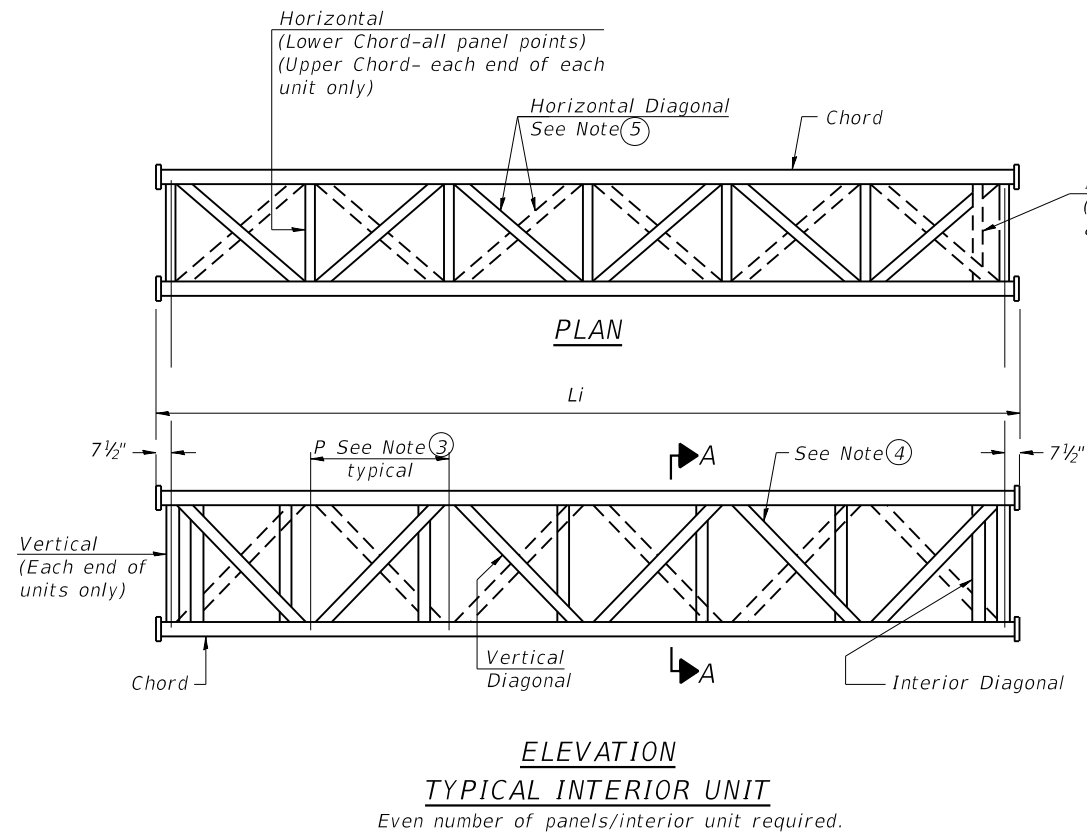
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PLOT DATE = 8/16/2018	DATE - 11/03/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1	OVD SIN STR REPL 18-34	VARIOUS	87	9
CONTRACT NO. 46472				
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: Default
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 05-A-2

2-17-2017

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
DRAWN - BAS / LP	REVISIONS -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - HM	REVISIONS -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

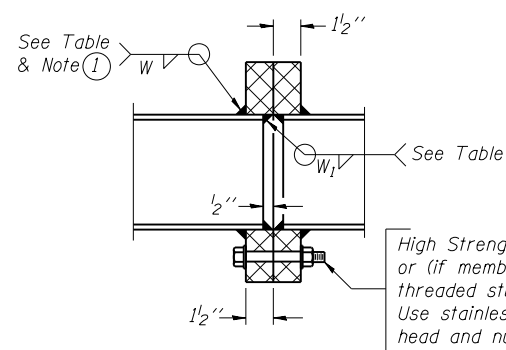
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	11
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

TRUSS UNIT TABLE

Structure Number	Location	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					Notes		
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.		Wall	Bolts		Weld Sizes			A	B
															No./Splice	Dia.	W	W ₁			
ISO221355R031.6-000	B	III-A	6	34'-1 1/2"	5'-4 1/2"	1	6	33'-6"	5'-4 1/2"	7"	5/16"	3 1/4"	5/16"	2 1/4"	6	1"	7/16"	5/16"	11 1/2"	15"	
ISO221355R031.5-000	C	III-A	6	34'-1 1/2"	5'-4 1/2"	1	6	33'-6"	5'-4 1/2"	7"	5/16"	3 1/4"	5/16"	2 1/4"	6	1"	7/16"	5/16"	11 1/2"	15"	
ISO221355R031.2-000	D	I-A	5	25'-10"	4'-9 1/2"	1	6	30'-0"	4'-9 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO221355L031.7-000	E	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"	
ISO22S083L000.0-000	P	I-A	6	29'-1 1/2"	4'-6 1/2"	1	6	28'-6"	4'-6 1/2"	5" Δ	5/16"	2 1/2" Δ	5/16"	2 1/2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO22S083L000.0-001	Q Δ	III-A	5	25'-10"	4'-9 1/2"	1	6	30'-0"	4'-9 1/2"	7" Δ	5/16"	3 1/4" Δ	5/16"	2 1/4"	6	1"	7/16"	5/16"	11 1/2"	15" Δ	
ISO221055R274.6-000	6	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"	
ISO221290L012.2-000	11	I-A	7	33'-4 1/2"	4'-6"	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"	
ISO221290L010.9-000	12	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"	
ISO22S038L000.0-000	14	I-A	8	38'-2 1/2"	4'-6 1/2"	0	-	-	-	5"	5/16"	2 1/2"	5/16"	2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO991080L132.8-000	I	I-A	6	29'-1 1/2"	4'-6 1/2"	1	6	28'-6"	4'-6 1/2"	5"	5/16"	2 1/2"	5/16"	2 1/2"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	

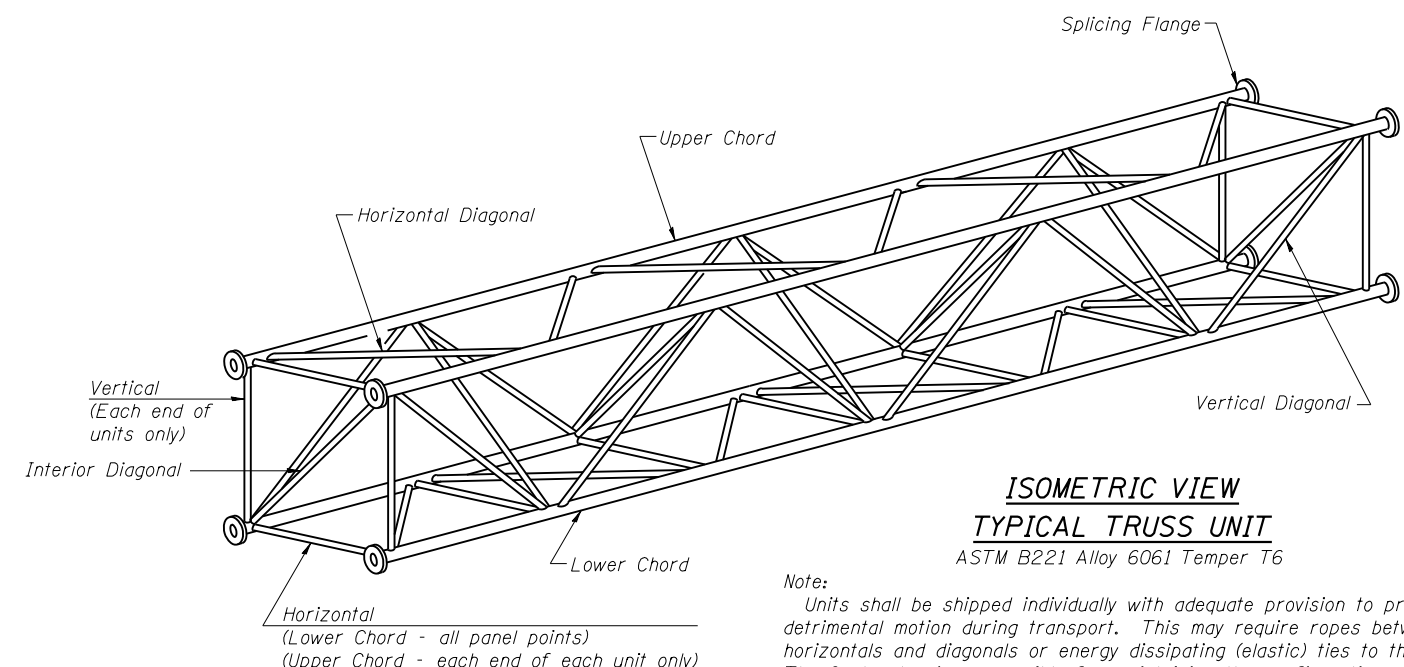


SECTION B-B

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

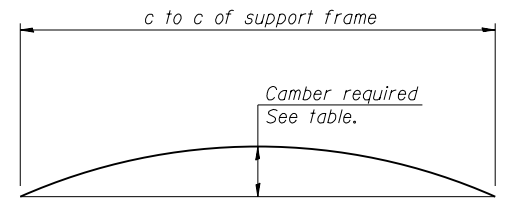
① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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

② It is the contractors responsibility to verify/calculate all the measurements & elevations in the field prior to fabrications, and ensure they are compliant with IDOT Standards.



ISOMETRIC VIEW TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

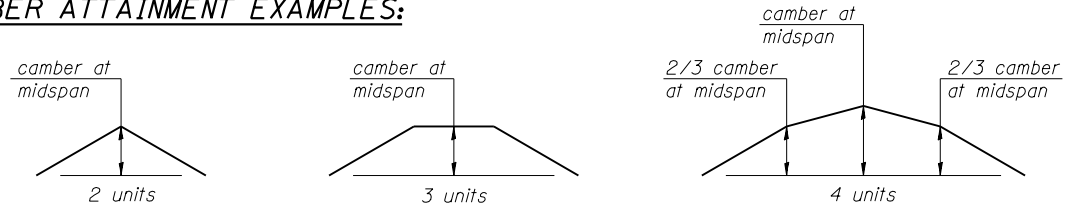
Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



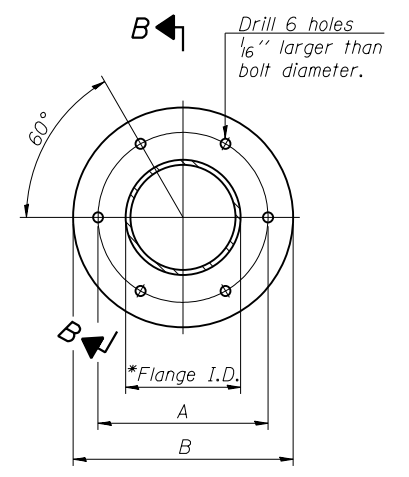
CAMBER DIAGRAM

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

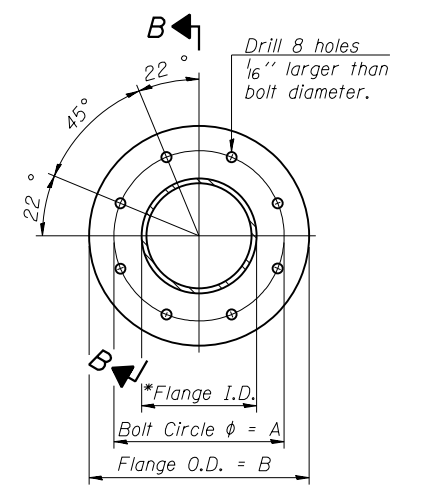
CAMBER ATTAINMENT EXAMPLES:



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 inch.

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OS4-A-2

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - Δ LP 10/19/2018
DRAWN - BAS / LP	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - HM	REVISIONS -
PLOT DATE = 10/20/2018	DATE - 11/03/17	REVISIONS -

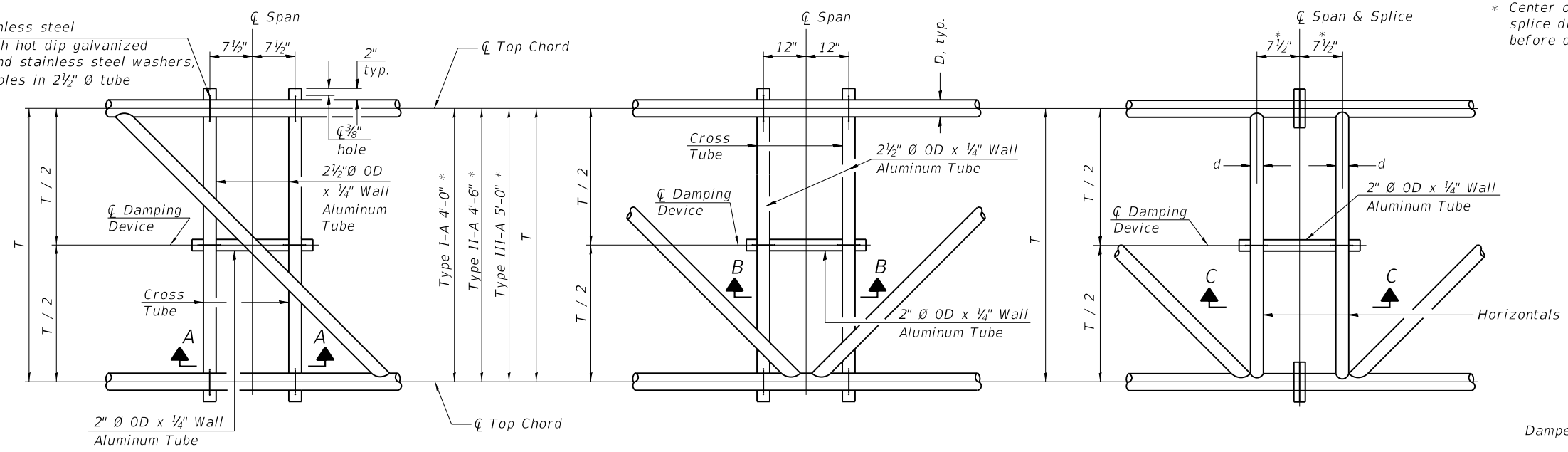
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	12
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

$\frac{5}{16}$ " \varnothing stainless steel
U-bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. $\frac{3}{8}$ " \varnothing holes in $2\frac{1}{2}$ " \varnothing tube



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

PLAN DETAIL "A"
☐ Span between Panel Points

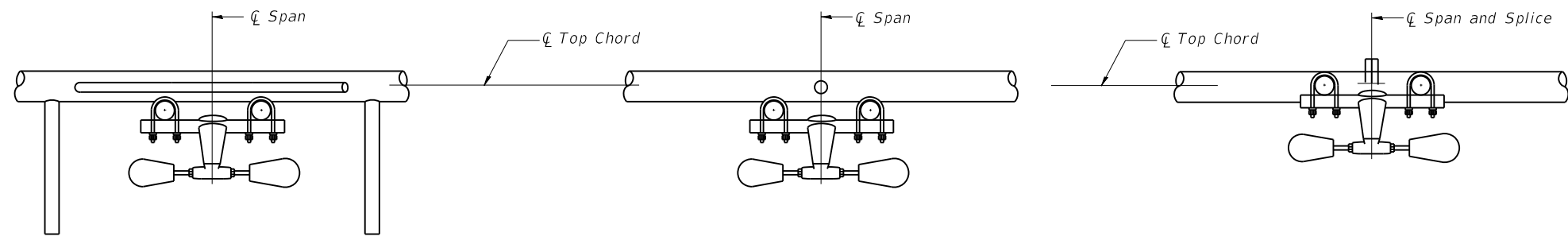
PLAN DETAIL "B"
☐ Span at Panel Point

PLAN DETAIL "C"
☐ Span at ☐ 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: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...

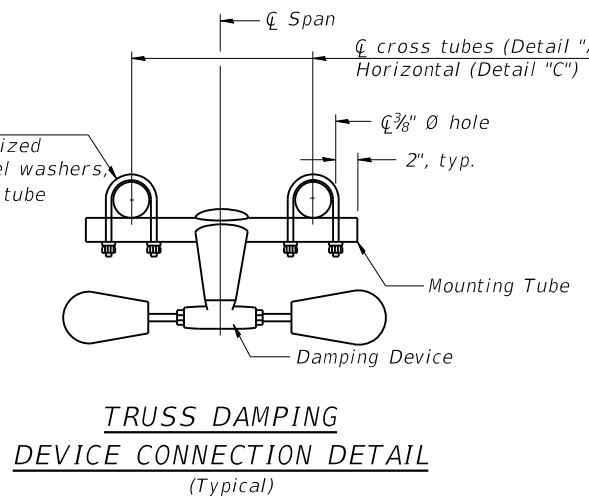


SECTION A-A

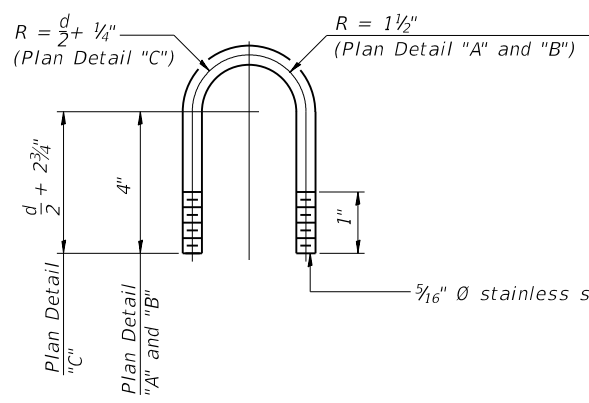
SECTION B-B

SECTION C-C

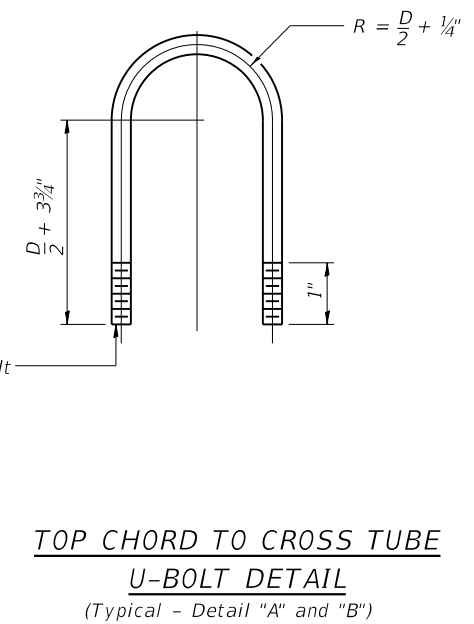
$\frac{5}{16}$ " \varnothing stainless steel
U-bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. $\frac{3}{8}$ " \varnothing holes in mounting tube



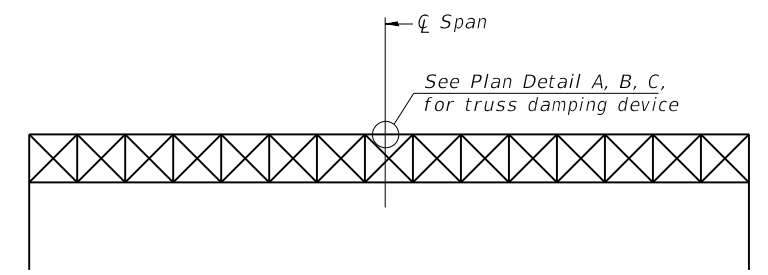
**TRUSS DAMPING
DEVICE CONNECTION DETAIL**
(Typical)



**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

05-A-D

2-17-2017

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

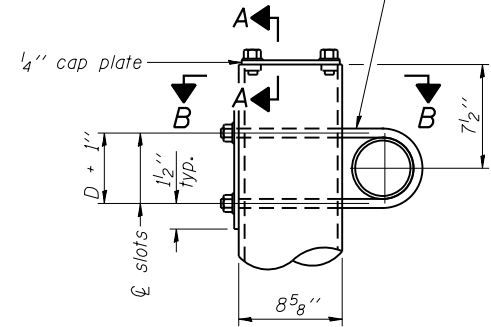
**OVERHEAD SIGN STRUCTURE
DAMPING DEVICE**

SCALE: SHEET OF SHEETS STA. TO STA.

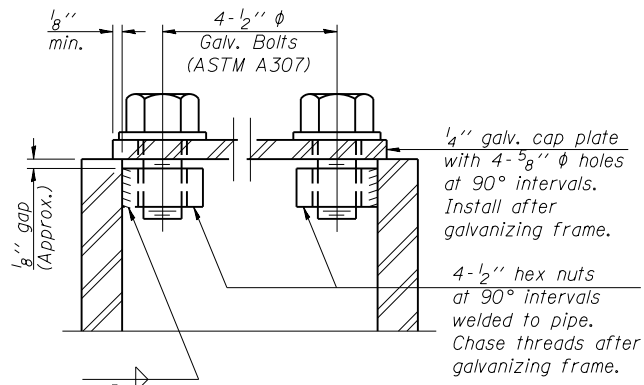
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	13
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: \\nas01\poc\B&E\BID\ITEC\Illinois\poc\PW\DOT\Documents\BID\DOT\Office\BID\Itrf\46472\05-A-D.dgn

3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
1 3/16" x 2" slots on 8" φ pipe.
(4 slots required per pipe)

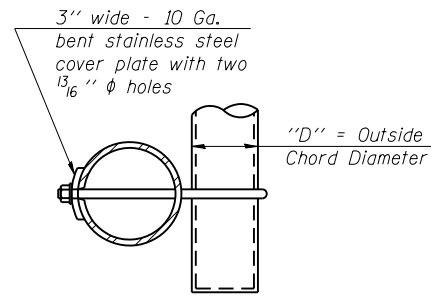


DETAIL A

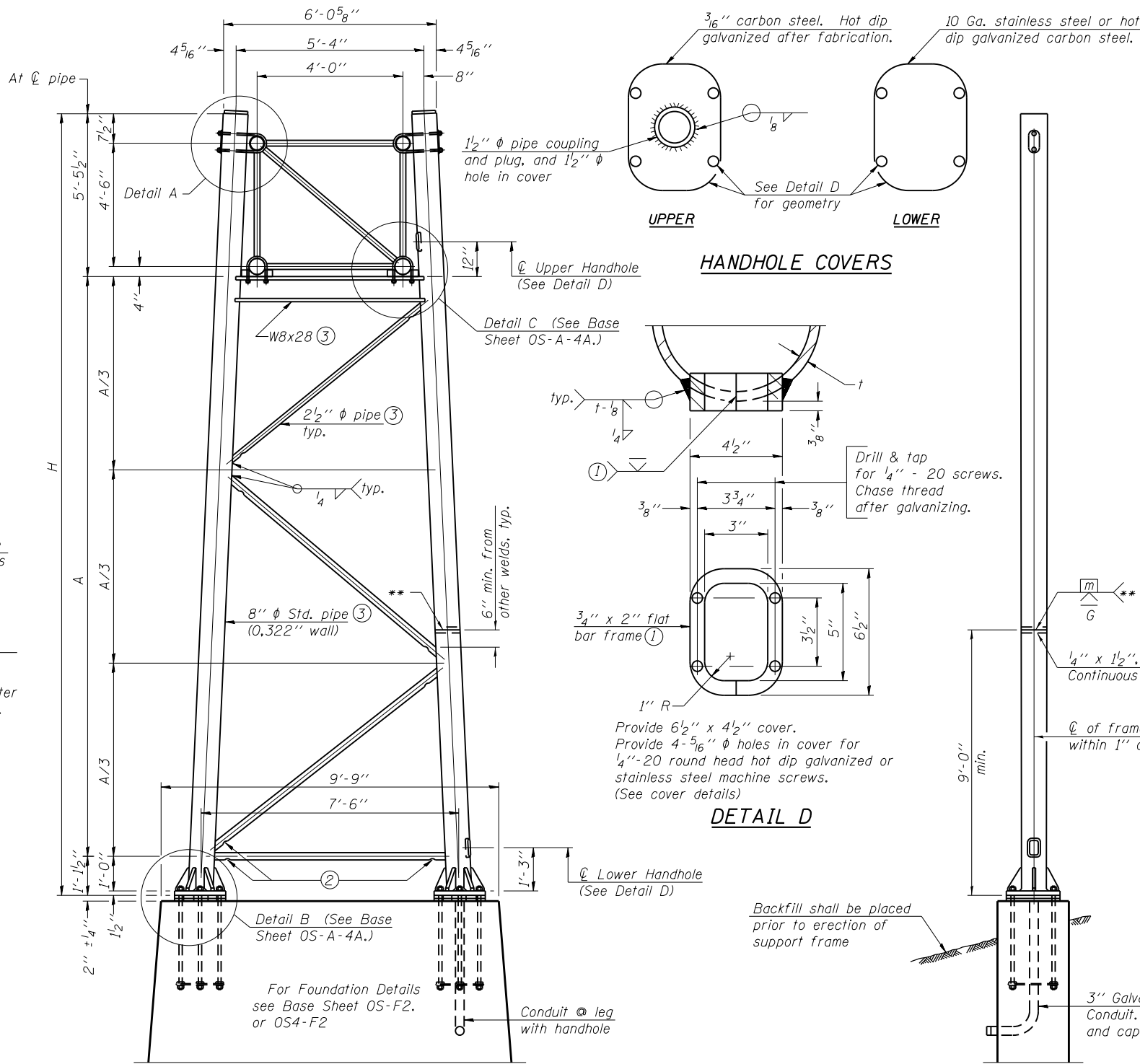


SECTION A-A

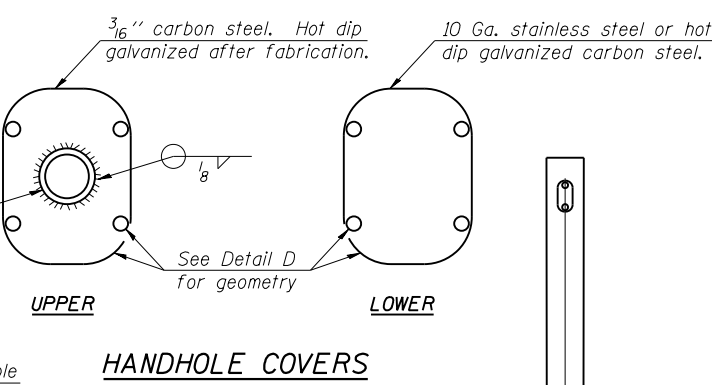
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



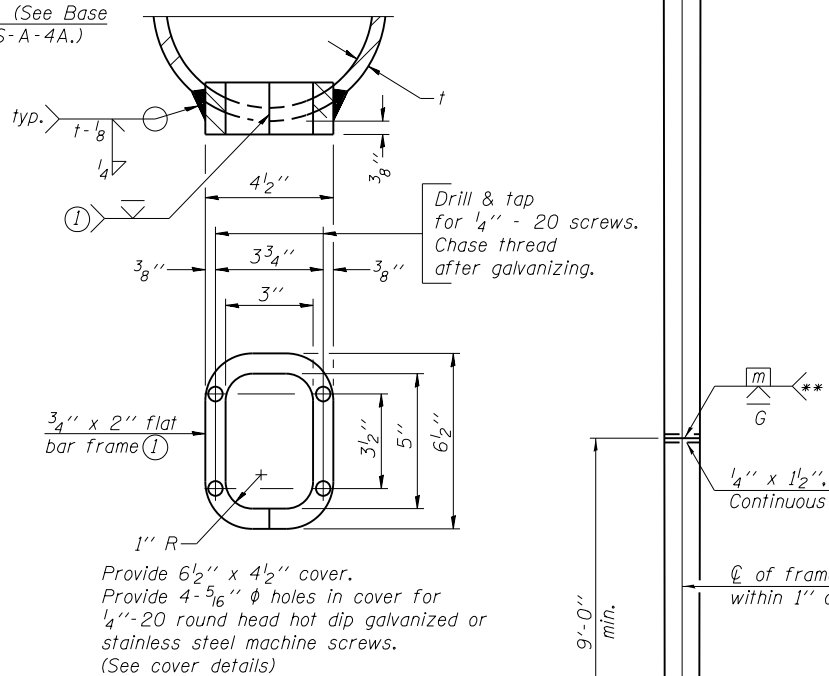
SECTION B-B



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 μin or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.
- ⑦ It is the contractor's responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication.

8" φ 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 ⑦		H ⑦	A ⑦
		Left	Right		
IS0221355R031.2-000	D	X		26.09'	20.63'
IS0221355R031.2-000	D		X	26.22'	20.76'
IS0221355L031.7-000	E	X		21.16'	15.53'
IS0221355L031.7-000	E		X	21.62'	16.0'
IS022S083L000.0-001	Q	X		21.74'	16.11'
IS022S083L000.0-001	Q		X	25.14'	19.51'
IS0221290L012.2-000	11	X		27.86'	22.40'
IS0221290L012.2-000	11		X	27.57'	22.11'
IS022S038L000.0-000	14	X		23.41'	17.95'
IS022S038L000.0-000	14		X	26.53'	21.07'

OS-A-4

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED - LP 10/19/2018
PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

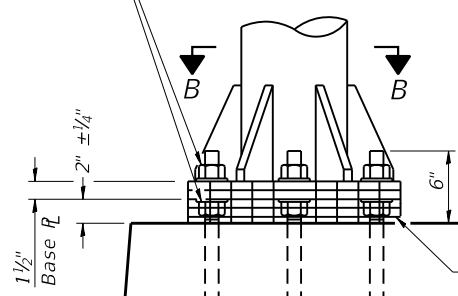
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	14
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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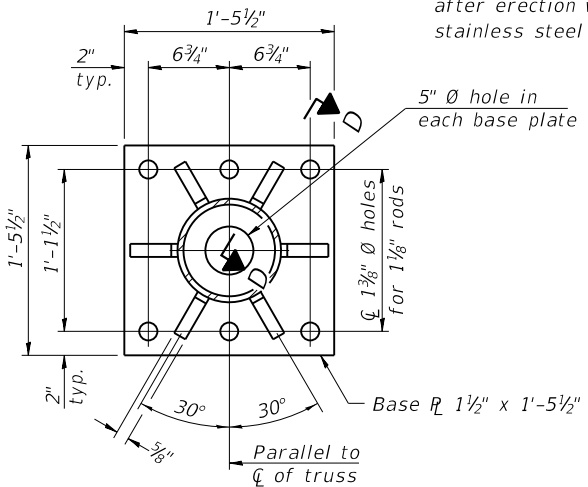
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



DETAIL B

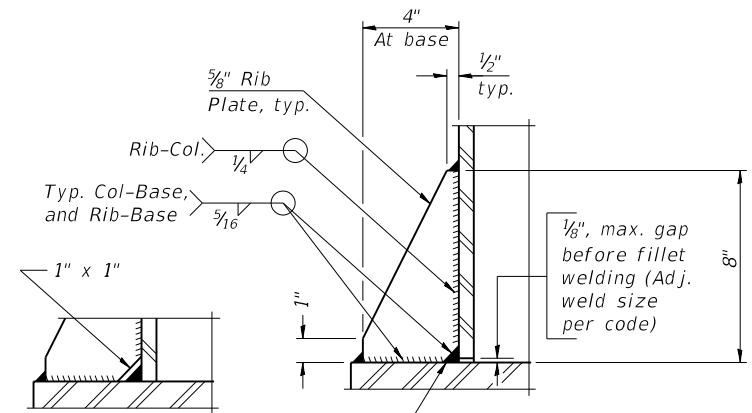
Ribs shall be cut to fit slope of pipe.

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.



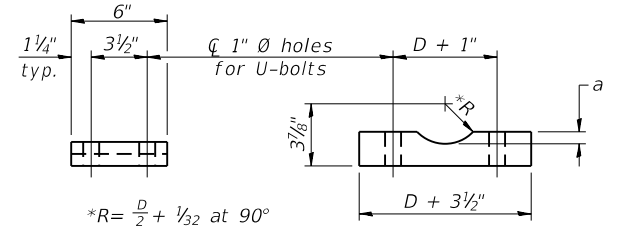
SECTION B-B

Base Pl. 1 1/2" x 1-5 1/2" x 1-5 1/2"



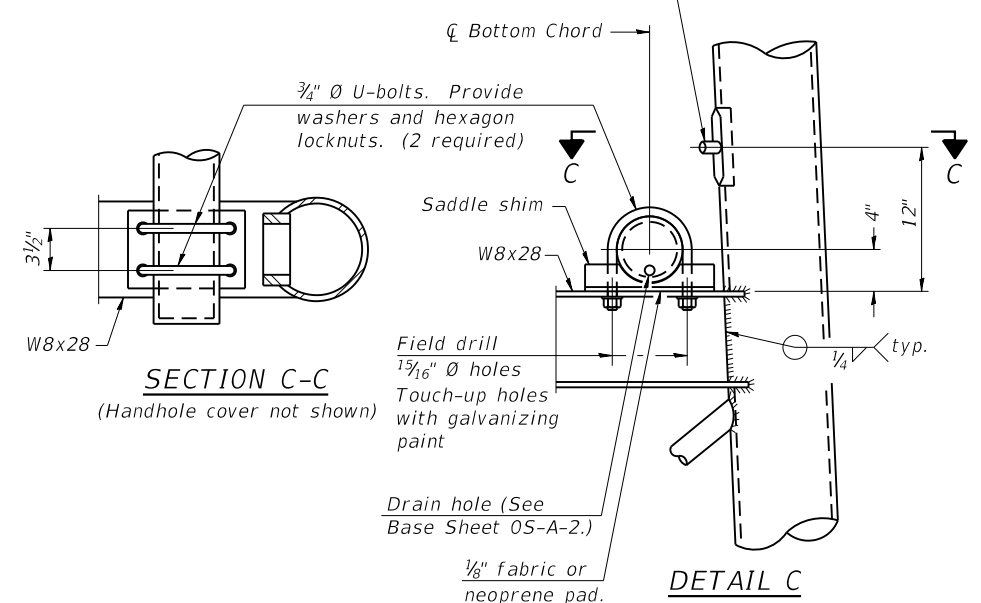
SECTION D-D

1/8" max. gap before fillet welding (Adj. weld size per code)
 No snip req'd. at rib inside corner if placed before col. to base plate welding.**
 ** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.



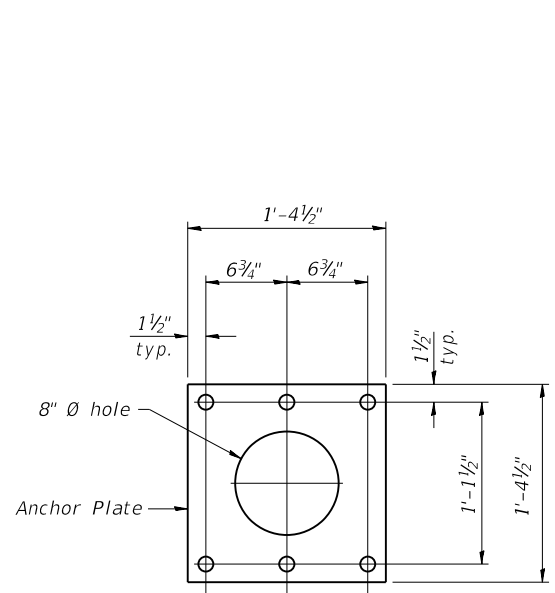
SADDLE SHIM DETAIL
 ASTM B26 Alloy 356-F
 or
 ASTM B209 Alloy 6061-T651
 (4 required per sign truss)

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

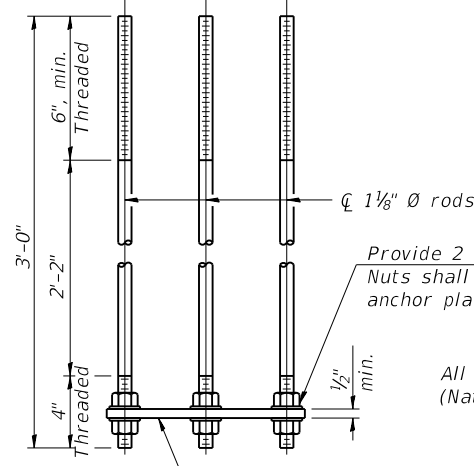


SECTION C-C
 (Handhole cover not shown)

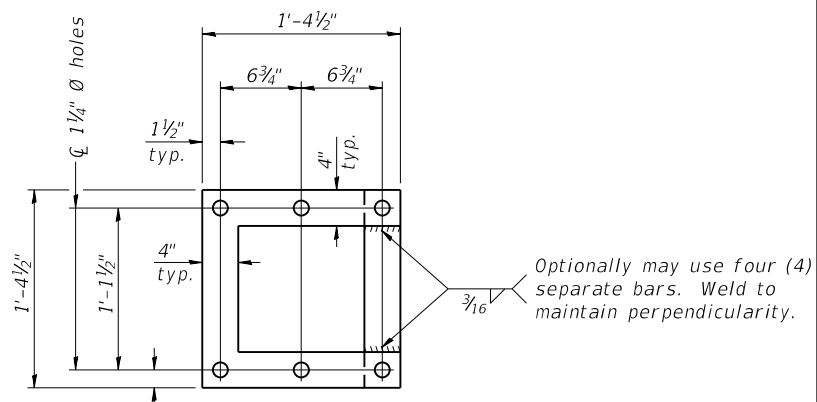
DETAIL C



Anchor Plate

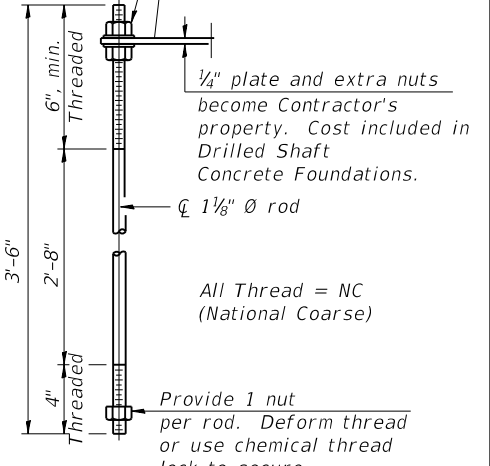


ANCHOR ROD DETAIL
 Spread Footing Foundation



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
 Drilled Shaft Foundation

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

TYPE I-A TRUSS
8" Ø PIPE SUPPORT FRAME DETAILS

MODEL: Default FILE: \\nas01\B&E\BID\NTEC\Illinois\pov\PW\DOT\Documents\BID\Office\BID\Drawings\119\pov\cscs\m600008\18\CD\B&E\Traffic\m600008\18-shc-1.dgn

05-A-4A

2-17-2017

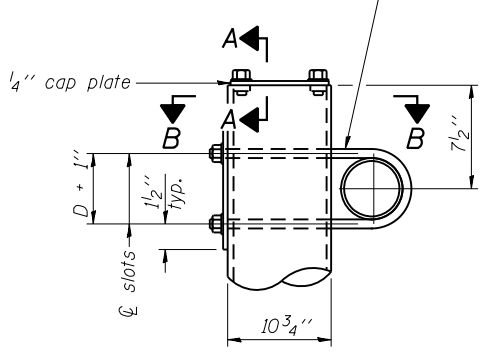
USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

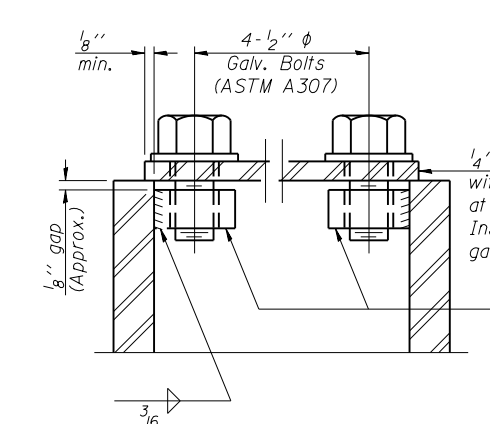
OVERHEAD SIGN STRUCTURES				
SUPPORT FRAME DETAILS - ALUMINUM TRUSS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	15
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
13/16" x 2" slots on 10" φ pipe.
(4 slots required per pipe)

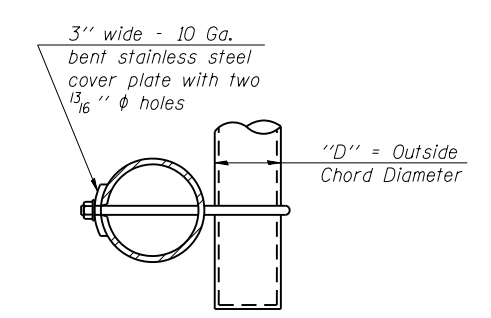


DETAIL A

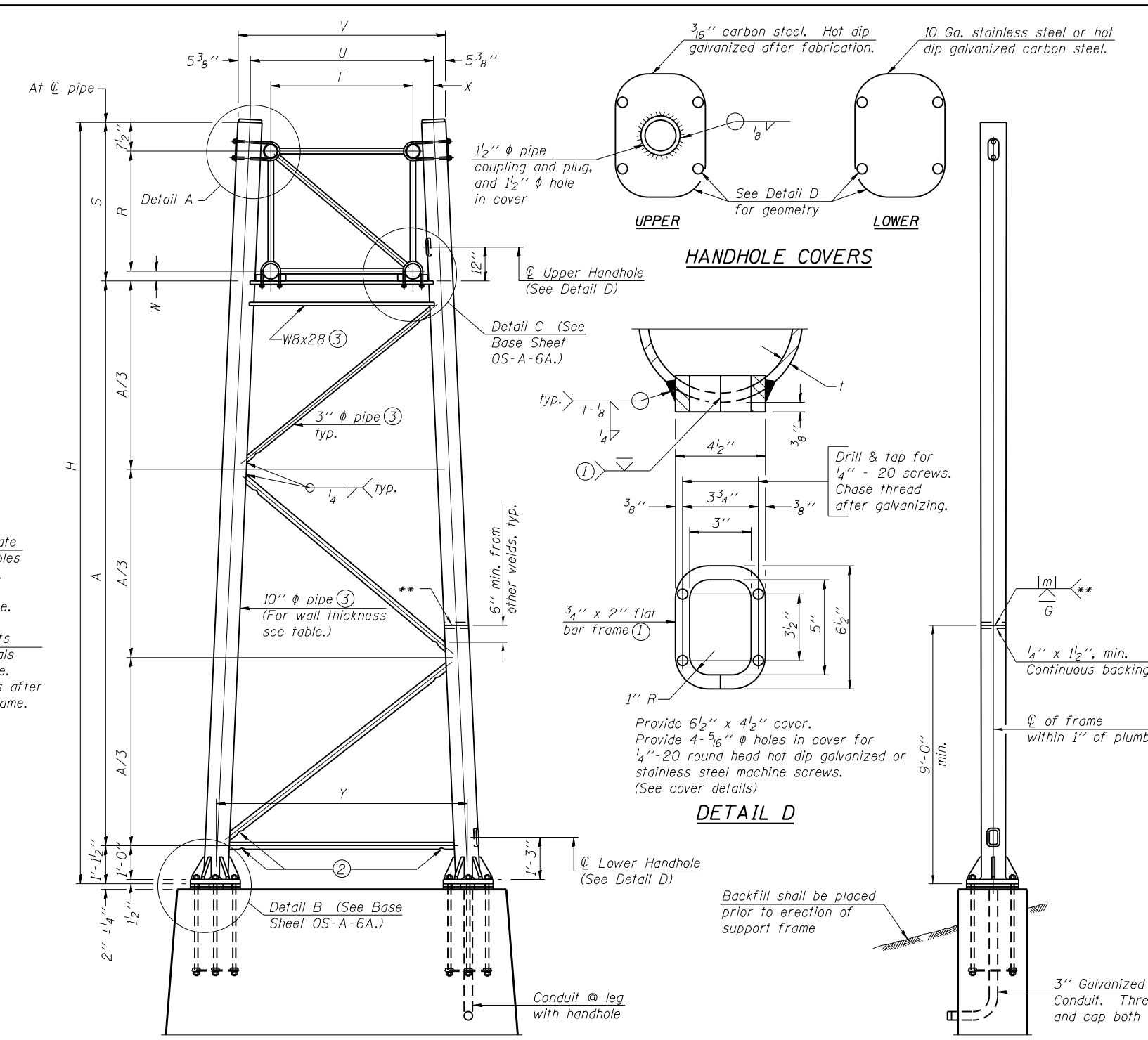


SECTION A-A

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



SECTION B-B



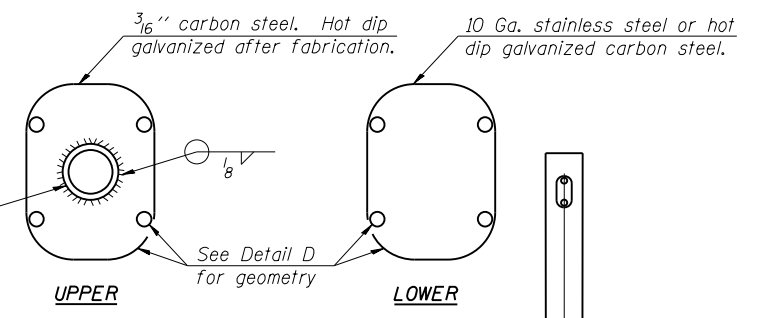
For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

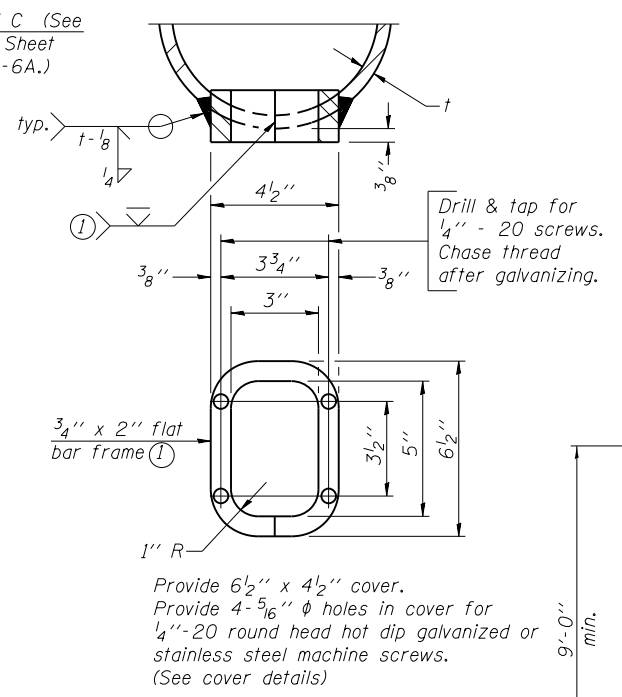
10" φ PIPE TRUSS SUPPORT FRAME

** 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.

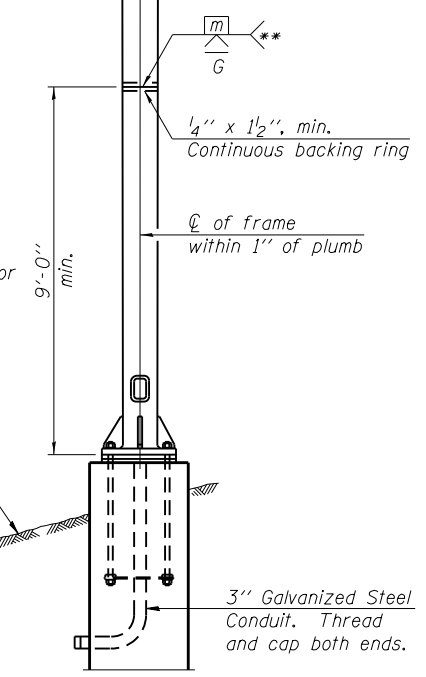
Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"



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

- 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 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.
- It is the contractors responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication, and ensure they are compliant with IDOT Standards.

Structure Number	Location	Support (7)		Truss Type	Pipe Wall Thickness	H (6) (7)		A (7)
		Left	Right			(6)	(7)	
IS022S083L000.0-000	P	X		I-A	0.279	28.32'	22.86'	
IS022S083L000.0-000	P		X	I-A	0.279	28.19'	22.73'	
IS022I055R274.6-000	6	X		I-A	0.279	29.12'	23.66'	
IS022I055R274.6-000	6		X	I-A	0.279	29.18'	23.72'	
IS022I290L010.9-000	12	X		I-A	0.279	25.23'	19.77'	
IS022I290L010.9-000	12		X	I-A	0.279	27.35'	21.89'	
IS099I080L132.8-000	I	X		I-A	0.279	26.40'	20.94'	
IS099I080L132.8-000	I		X	I-A	0.279	26.15'	20.69'	
IS022I355L031.7-000	E	X		I-A	0.279	28.56'	23.10'	
IS022I355L031.7-000	E		X	I-A	0.279	27.44'	21.98'	

OS-A-6

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100,0000' / in.	DRAWN - BAS / LP	REVISED - LP 10/19/2018
PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

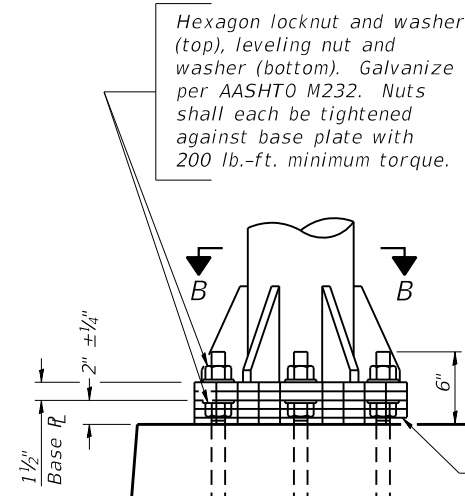
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	16
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

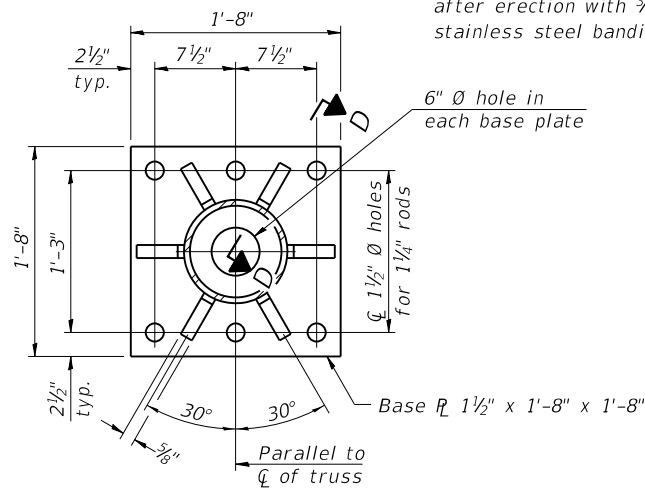
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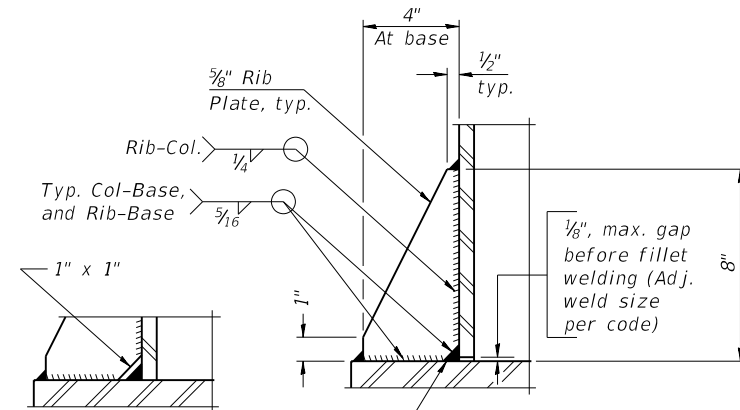
DETAIL B

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.



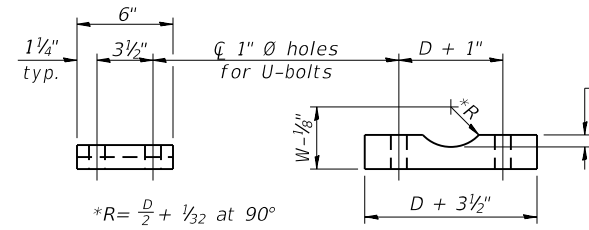
SECTION B-B



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.

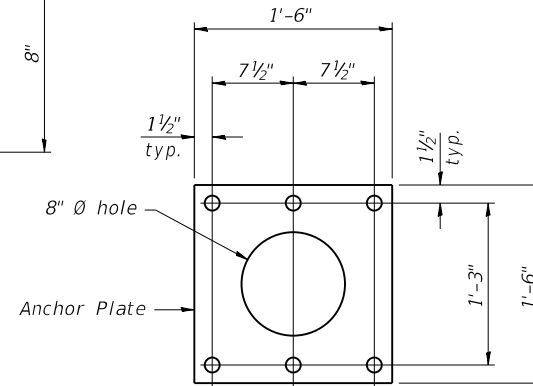
No snip req'd. at rib inside corner if placed before col. to base plate welding.**



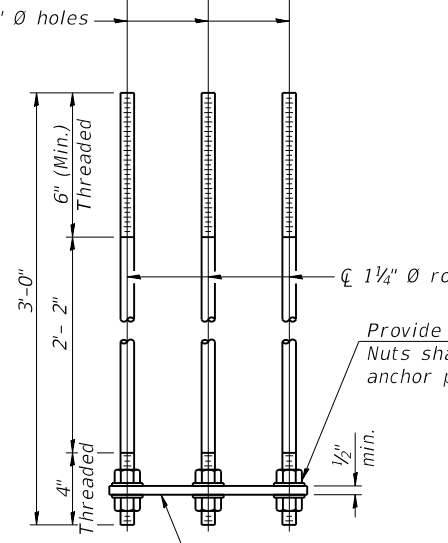
SADDLE SHIM DETAIL

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

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



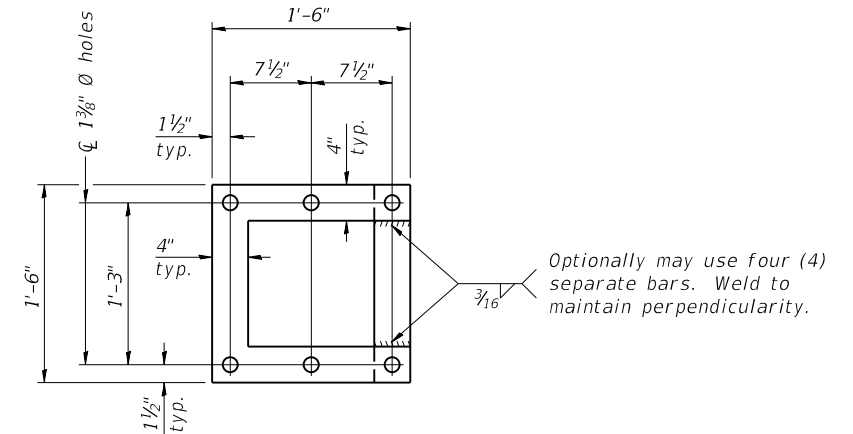
Anchor Plate



ANCHOR ROD DETAIL
Spread Footing Foundation

All Thread = NC (National Coarse)

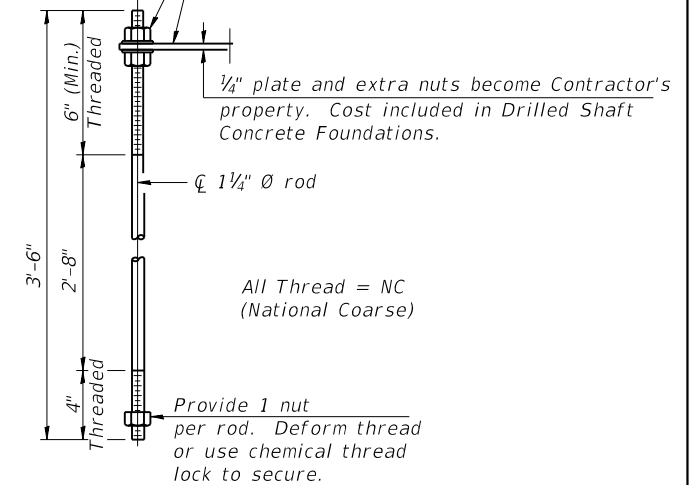
Provide 2 uncoated nuts per rod. Nuts shall be "snug tight" against anchor plate.



POSITIONING PLATE(S)

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

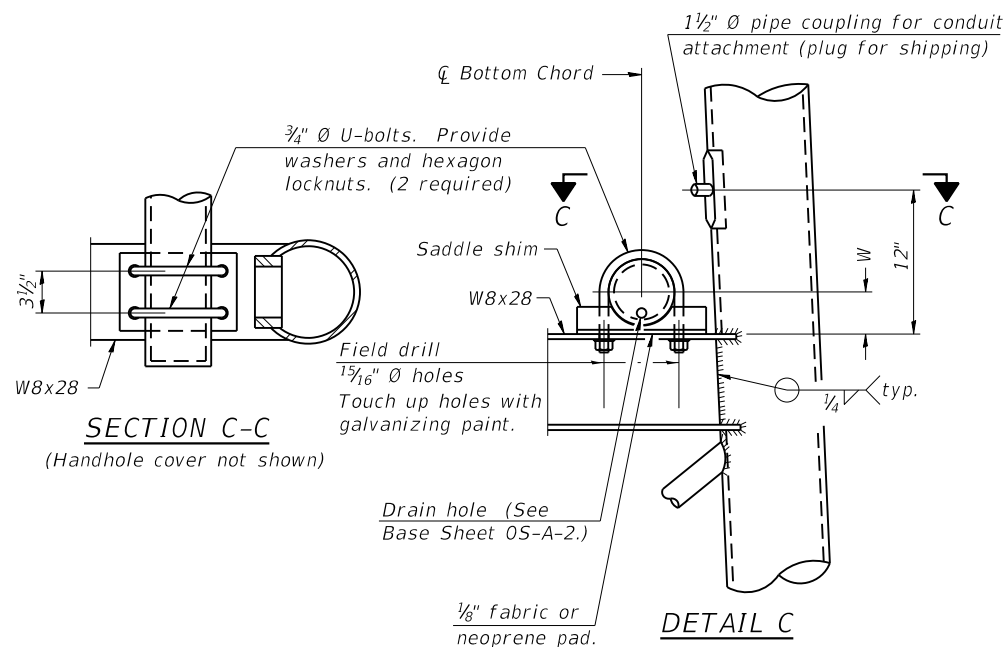
At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



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.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

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

05-A-6A

2-17-2017

USER NAME = poclechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

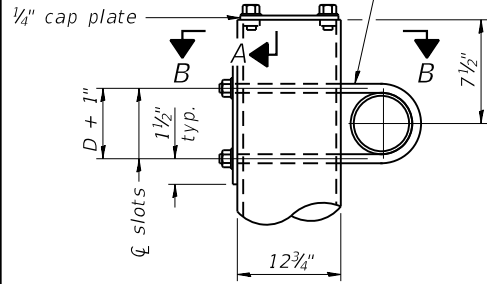
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

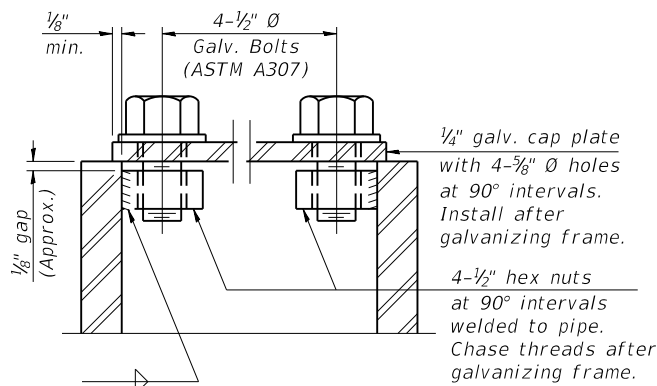
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	17
CONTRACT NO. 46472				
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 1/2" Ø pipe.
(4 slots required per pipe)

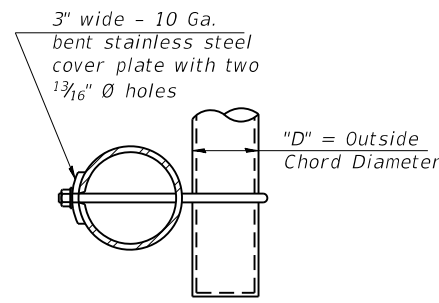


DETAIL A

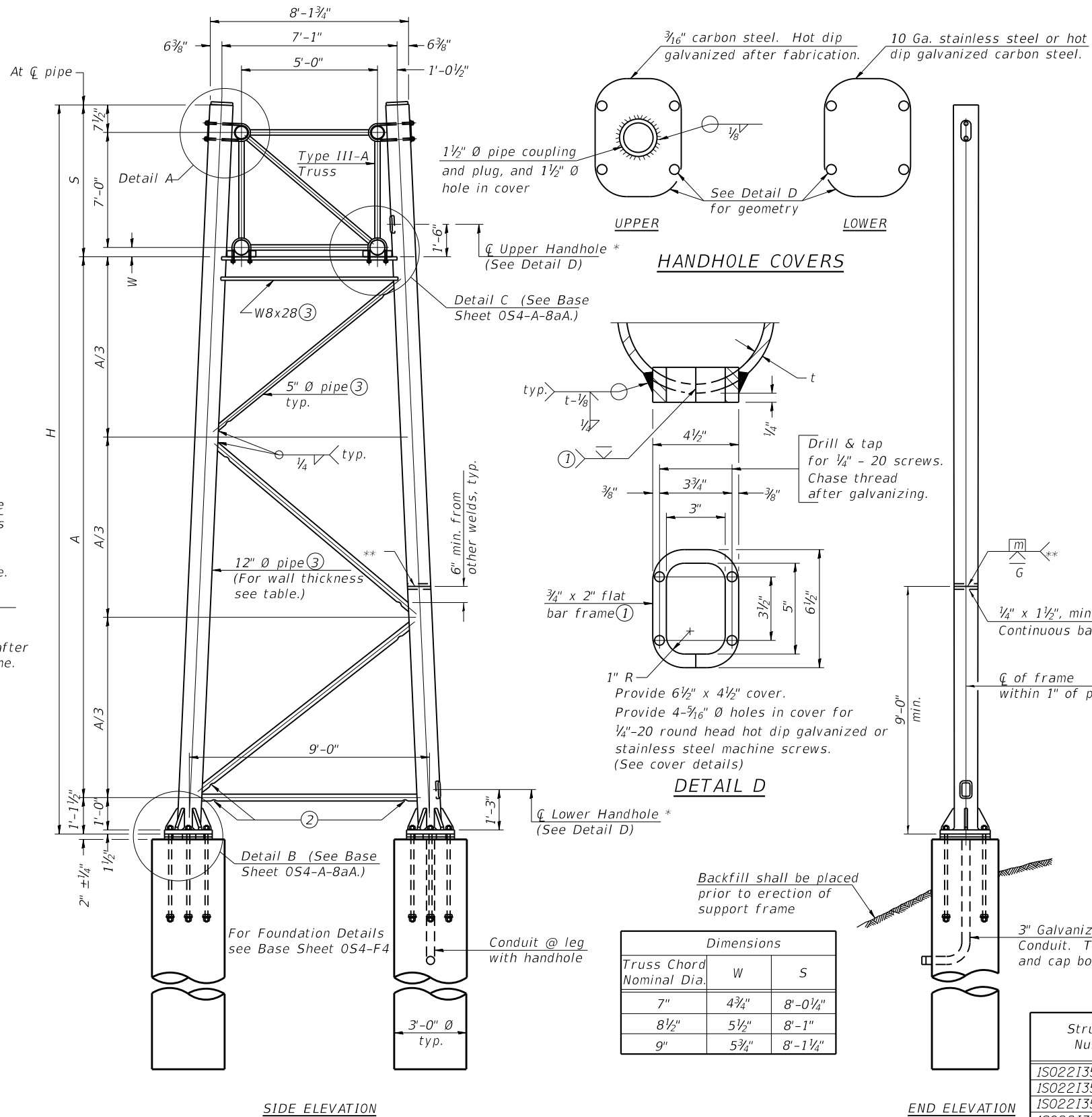


SECTION A-A

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



SECTION B-B



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

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
 - ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
 - ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet 05-A-1.
 - ④ See General Notes for fasteners.
 - ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
 - ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.
- * For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.
- ⑦ It is the contractor's responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication.

Structure Number	Location	Support ⑦		Pipe Wall Thickness	H ⑥ ⑦	A ⑦
		Left	Right			
IS0221355R031.6-000	B	X		0.33	29.68'	21.66'
IS0221355R031.6-000	B		X	0.33	28.57'	20.55'
IS0221355R031.5-000	C	X		0.33	27.49'	19.47'
IS0221355R031.5-000	C		X	0.33	27.68'	19.66'
IS022S083L000.0-001	Q	X		0.33	27.81'	22.35'
IS022S083L000.0-001	Q		X	0.33	32.03'	26.57'

054-A-8a

2-17-2017

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 10/19/2018
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

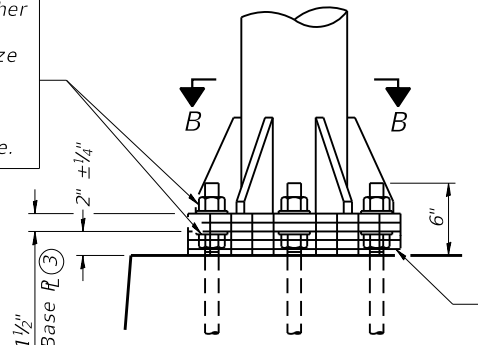
OVERHEAD SIGN STRUCTURES - SUPPORT FRAME
FOR TYPE III-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	18
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

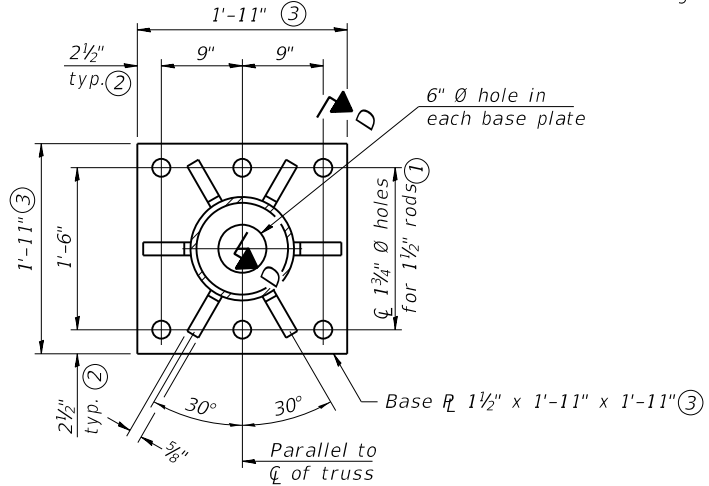
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 OFFICE: IDI/ETC
 PROJECT: 11/03/17
 PROJECT: 11/03/17

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.

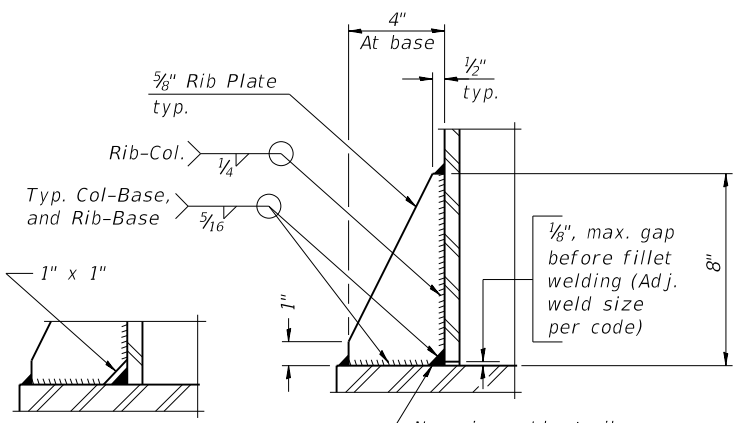


DETAIL B
Ribs shall be cut to fit slope of pipe.

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.



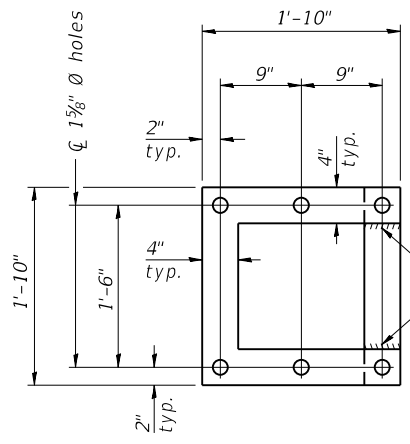
SECTION B-B



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.

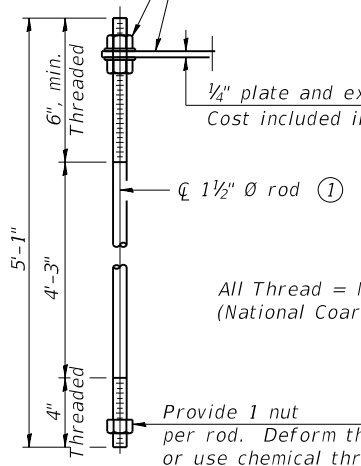
No snip req'd. at rib inside corner if placed before col. to base plate welding.**



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.



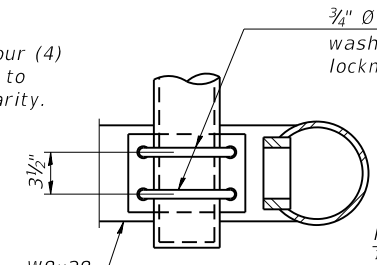
ANCHOR ROD DETAIL

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 1/2" x 1'-11 1/2" x 1'-11 1/2"

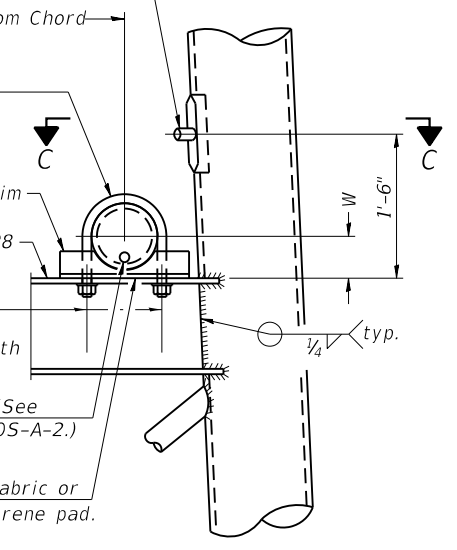


SECTION C-C
(Handhole cover not shown)

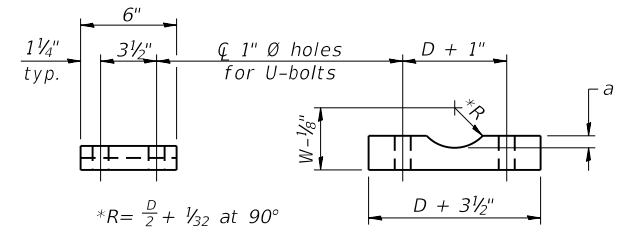
3/4" Ø U-bolts. Provide washers and hexagon locknuts. (2 required)

Saddle shim
W8x28
Field drill 1 5/16" Ø holes
Touch up holes with galvanizing paint.
Drain hole (See Base Sheet OS-A-2.)
1/8" fabric or neoprene pad.

1 1/2" Ø pipe coupling for conduit attachment (plug for shipping)



DETAIL C



SADDLE SHIM DETAIL

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

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

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054-A-8aA

2-17-2017

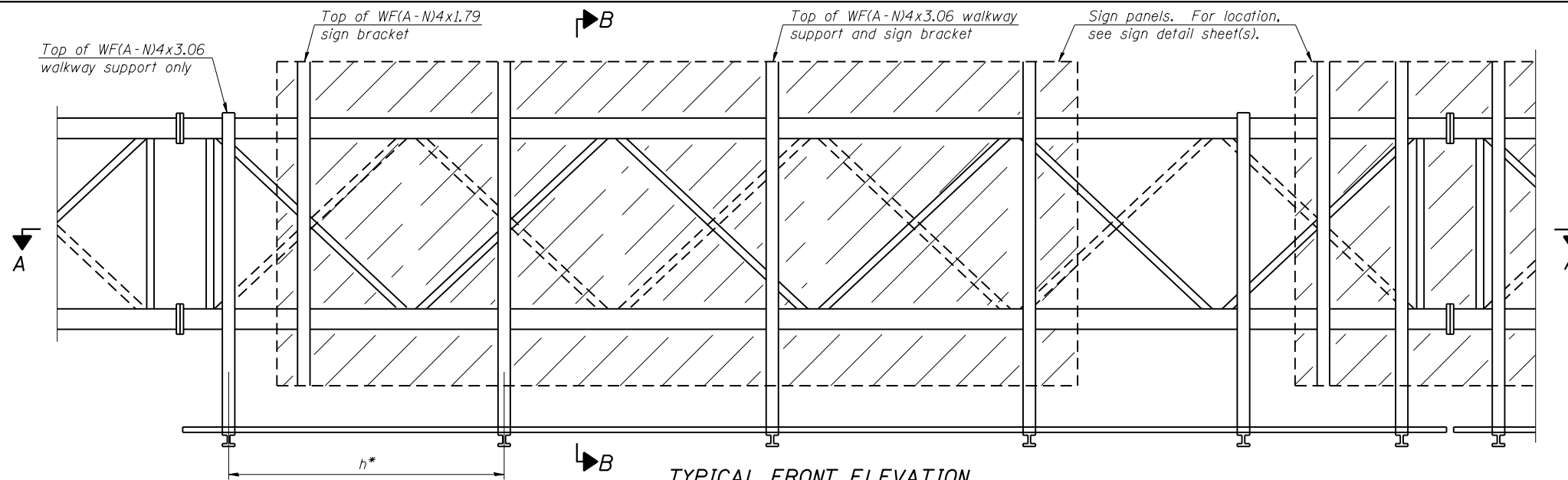
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DRAWN - BAS / LP	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - HM	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

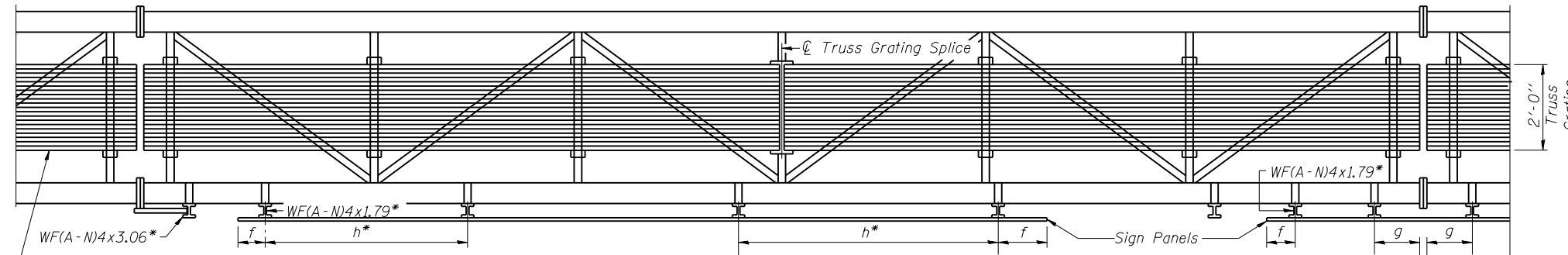
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	19
			CONTRACT NO. 46472	
		ILLINOIS FED. AID PROJECT		



TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



SECTION A-A

Grating splices placed as needed, over horizontal tubes.

BRACKET TABLE

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

Notes:

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

- f = 12" maximum, 4" minimum (End of sign to \mathcal{C} of nearest bracket)
- g = 12" maximum, 4" minimum (End of walkway grating to \mathcal{C} of nearest support bracket)
- h = 6'-0" maximum (\mathcal{C} to \mathcal{C} sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
- k = 2" maximum gap between adjacent walkway grating sections and handrail ends

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
For Handrail Details see Base Sheet OS-A-11.

Truss grating to facilitate inspection 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".

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

OS-A-9

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

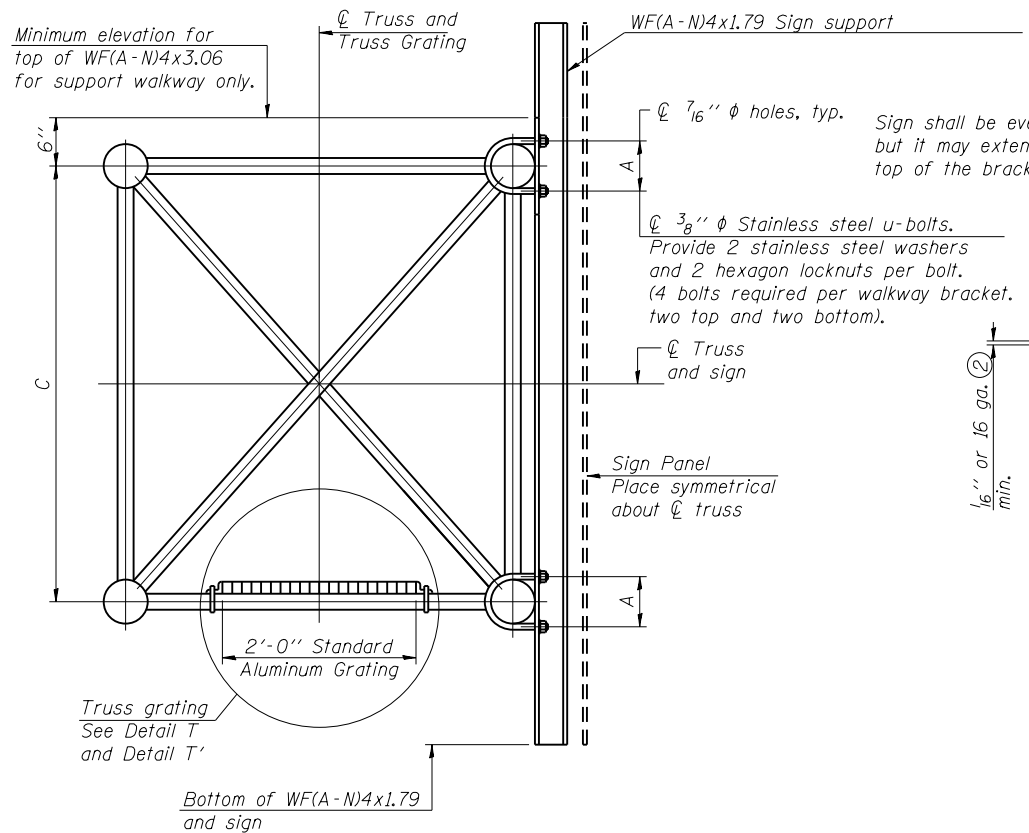
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

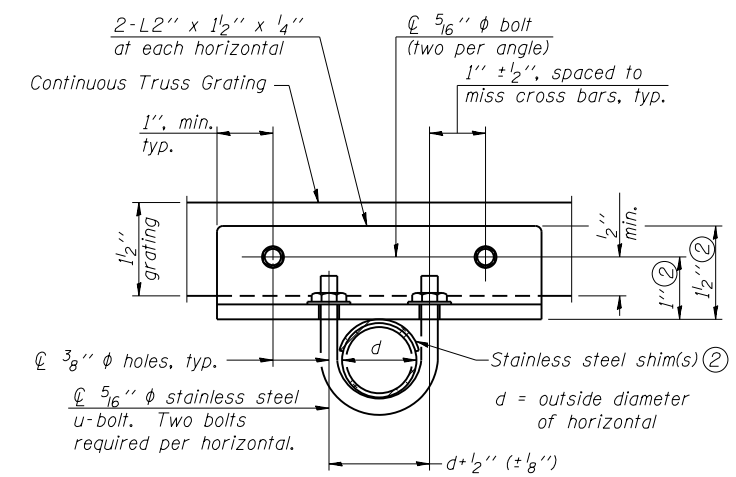
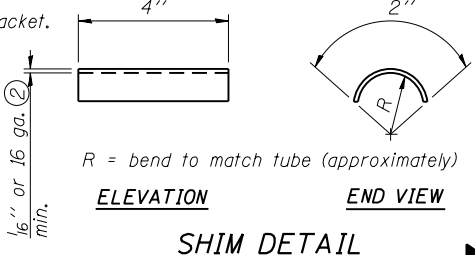
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	20
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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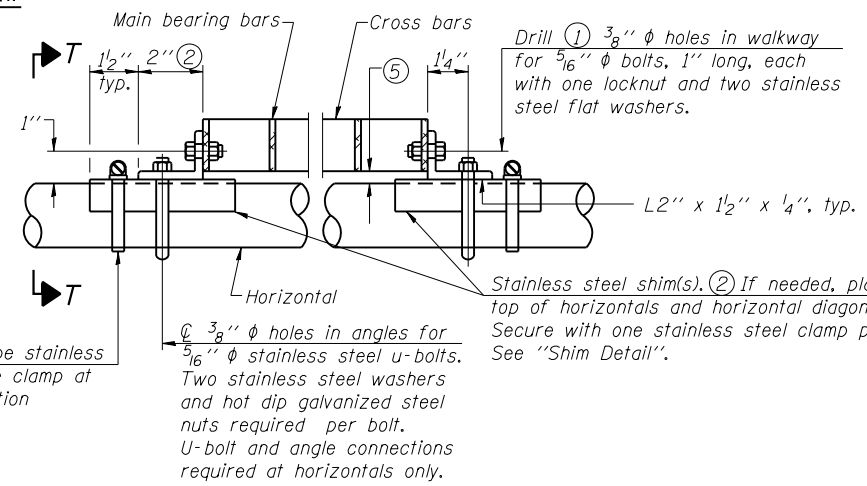


Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

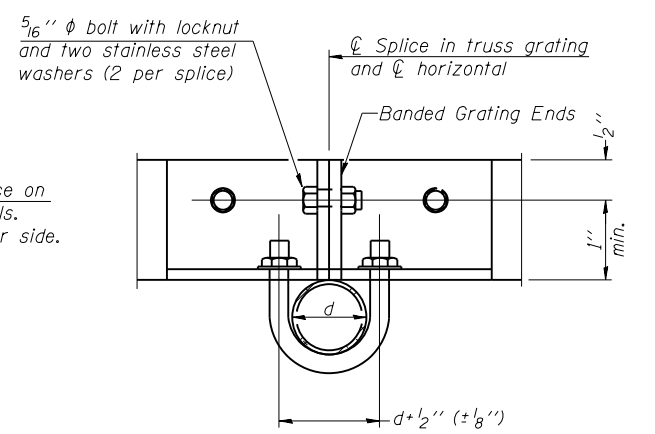
Provide 2 stainless steel washers and 2 hexagon locknuts per bolt. (4 bolts required per walkway bracket, two top and two bottom).



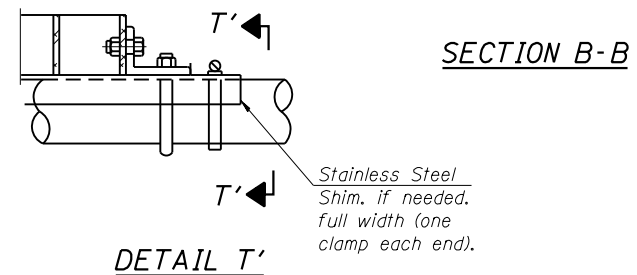
SECTION T-T



DETAIL T
(Continuous Truss grating)



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.

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars 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 "4" 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.

Structure Number	Location	A	⑥ B	C	⑥ D
IS022I355R031.6-000	B	7 1/2"	1'-3"	7'-0"	12'-5"
IS022I355R031.5-000	C	7 1/2"	1'-3"	7'-0"	12'-5"
IS022I355R031.2-000	D	5 1/2"	1'-3"	4'-6"	12'-5"
IS022I355L031.7-000	E	5 1/2"	1'-3"	4'-6"	11'-11"
IS022S083L000.0-000	P	5 1/2"	3'-7 1/2"	4'-6"	9'-4 1/2"
IS022S083L000.0-001	Q	5 1/2"	3'-6"	4'-6"	8'-6"
IS022I055R274.6-000	6	5 1/2"	3'-7 1/2"	4'-6"	9'-4 1/2"
IS022I290L012.2-000	11	5 1/2"	3'-6"	4'-6"	8'-6"
IS022I290L010.9-000	12	6"	1'-3"	4'-6"	10'-11"
IS022S038L000.0-000	14	5 1/2"	3'-7 1/2"	4'-6"	9'-1 1/2"
IS099I080L132.8-000	I	5 1/2"	3'-4 1/2"	4'-6"	9'-1 1/2"

- 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.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual height of tallest sign given on OS-A-1.
- It is the contractor's responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication, and ensure they are compliant with IDOT Standards.

OS-A-10

6-1-12

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USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100,0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	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	18-34	VARIOUS	87	21
CONTRACT NO. 46472				
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.

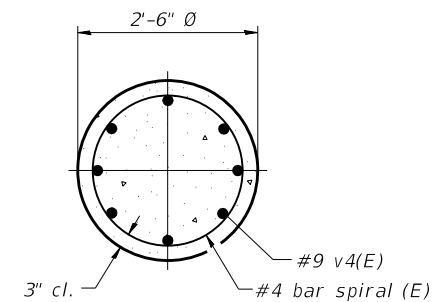
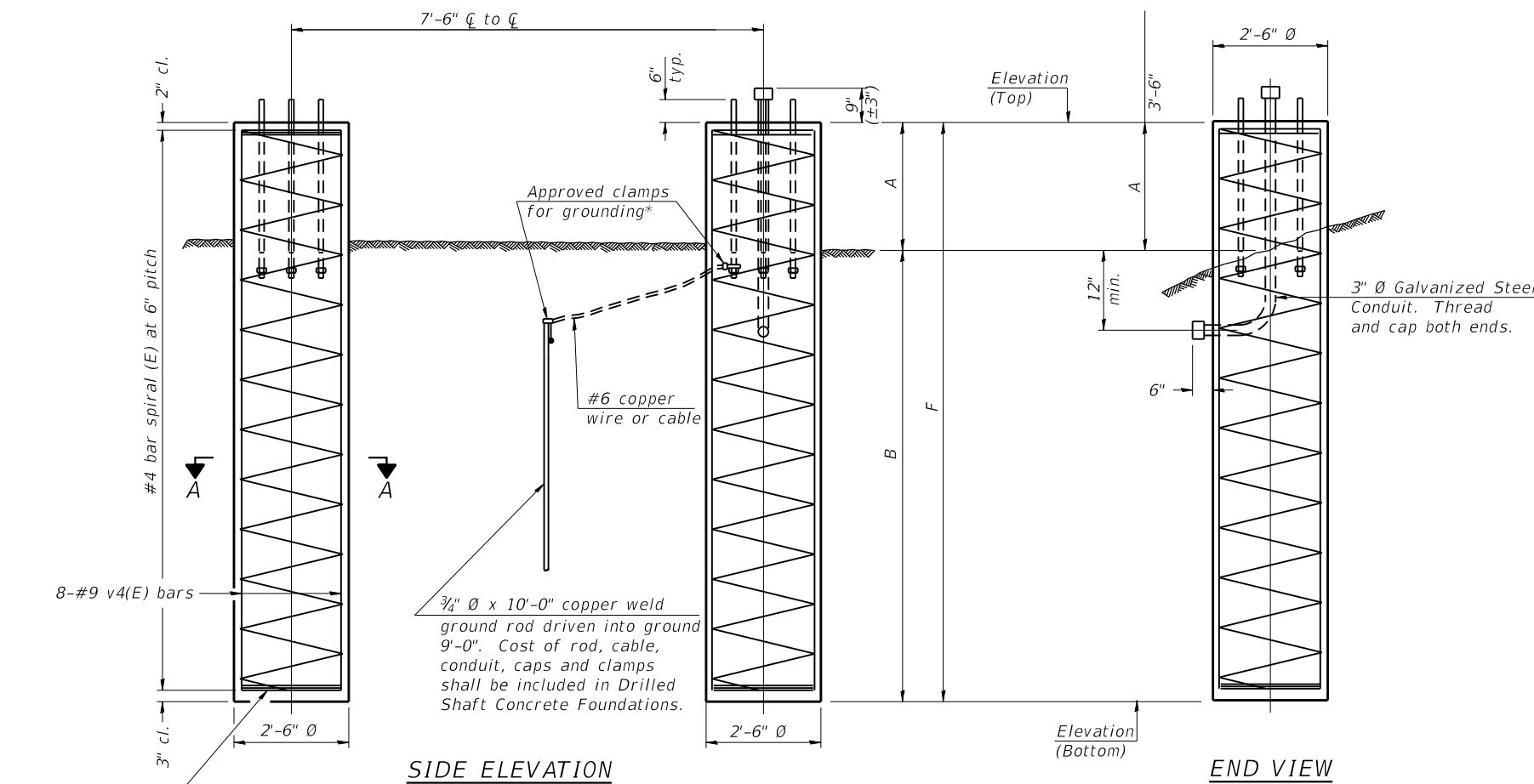
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District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

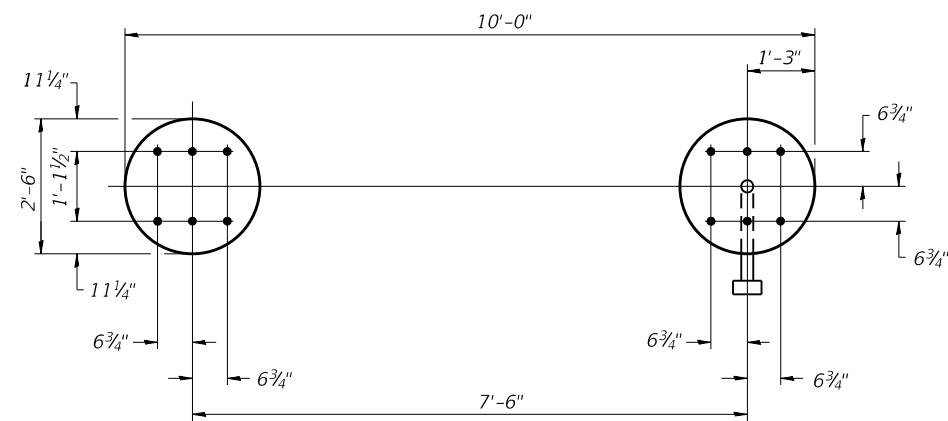
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

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.



SECTION A-A

3 hoops minimum top and bottom



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" Ø SUPPORT FRAME TYPE I-A TRUSS

① Low strength cohesive soil and/or granular soil were encountered. They have the potential to squeeze or slough into the shaft excavation. Wet method (516.06b), temporary casing method (516.06c) or a combination of the two may be necessary.

Structure Number	Location	Elevation Top	Elevation Bottom	Left Foundation			Right Foundation			Class DS Concrete (Cu. Yds.)		
				A	B	F	Elevation Top	Elevation Bottom	A		B	F
IS0221355R031.2-000	D	765.29	762.43	3'-6"	14'-6"	18'-0"	765.16	761.63	3'-6"	14'-6"	18'-0"	25.64
IS0221355L031.7-000	E	721.63	718.55	3'-6"	13'-6"	17'-0"	722.75	719.72	3'-6"	13'-6"	17'-0"	24.21
IS0225083L000.0-001	0	705.81	703.50	3'-6"	14'-6"	18'-0"	701.59	696.50	3'-6"	14'-6"	18'-0"	25.64
IS0221290L012.2-000	11	695.70	678.70	3'-6"	13'-6"	17'-0"	695.99	678.99	3'-6"	13'-6"	17'-0"	24.21
IS0225038L000.0-000	14	674.62	656.62	3'-6"	14'-6"	18'-0"	671.50	653.50	3'-6"	14'-6"	18'-0"	25.64

054-F2

2-17-2017

USER NAME = pocielchal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED - LP 10/19/2018
PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

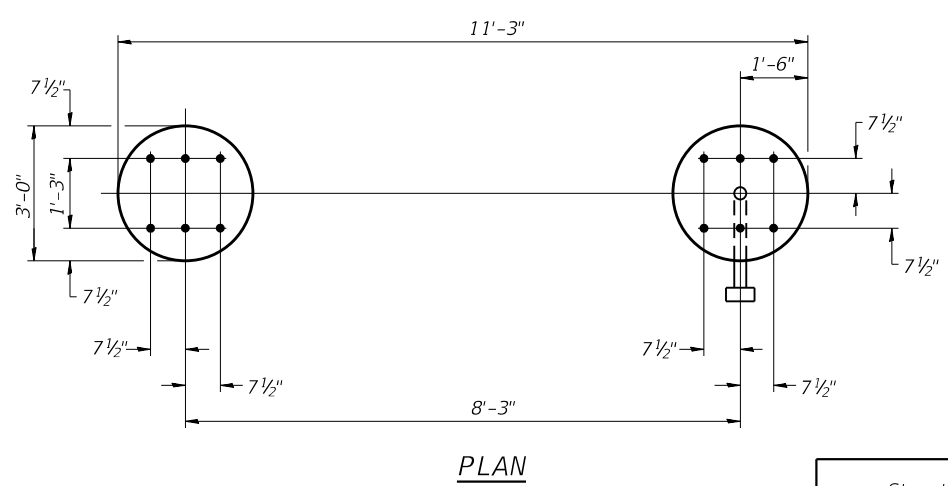
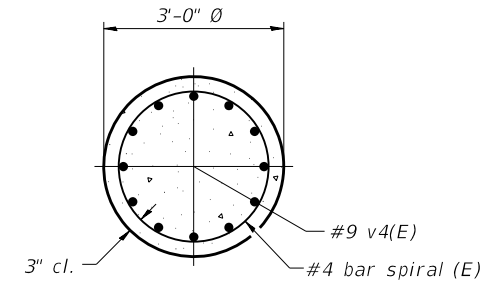
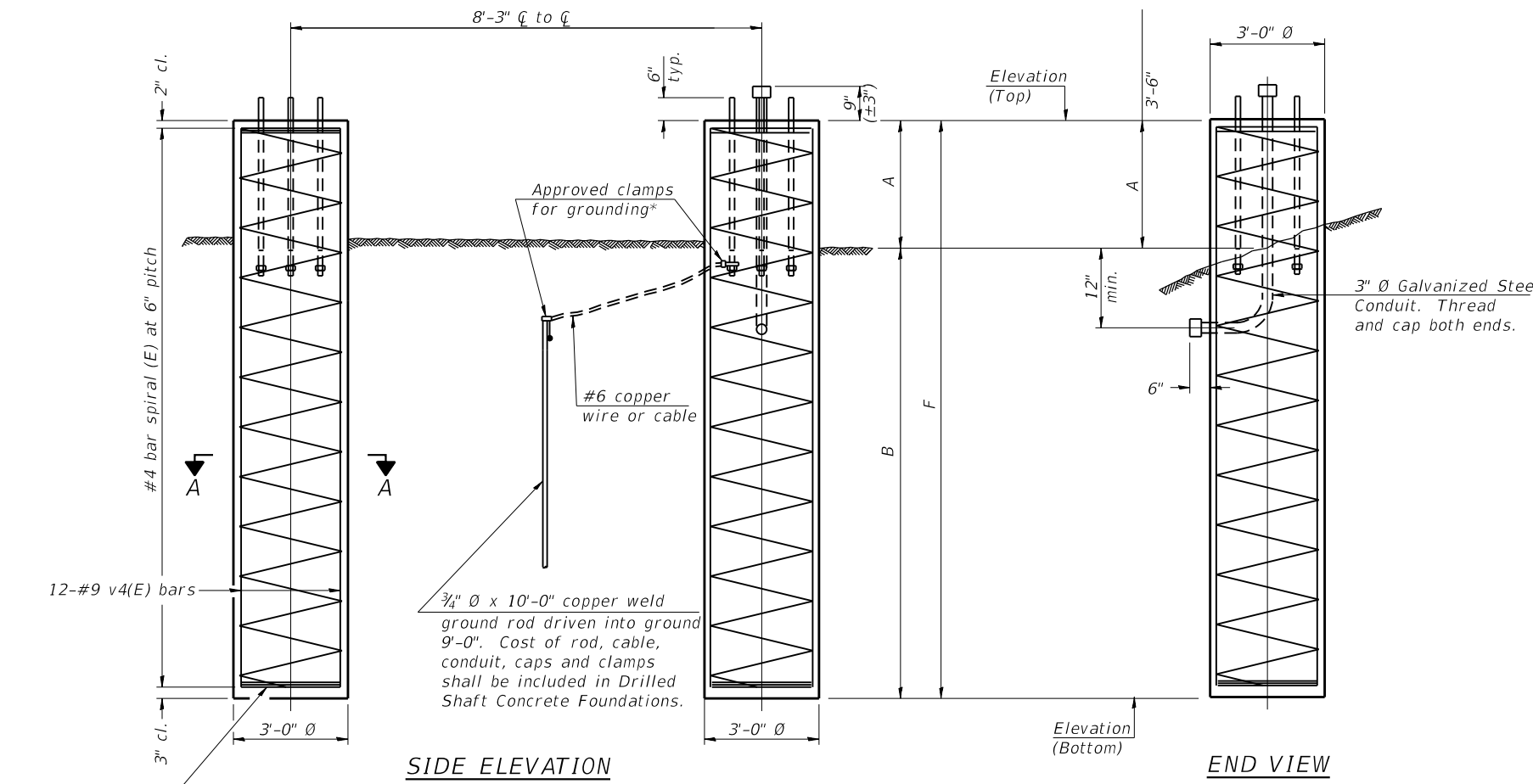
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	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	22
CONTRACT NO. 46472				
ILLINOIS		FED. AID PROJECT		

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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.
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 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**

① Low strength cohesive soil and/or granular soil were encountered. They have the potential to squeeze or slough into the shaft excavation. Wet method (516.06b), temporary casing method (516.06c) or a combination of the two may be necessary.

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
IS022S083L000.0-000	P ①	707.07	687.07	3'-6"	16'-6"	20'-0"	707.20	687.20	3'-6"	16'-6"	20'-0"	28.5
IS022I055R274.6-000	6	730.64	710.64	3'-6"	16'-6"	20'-0"	730.58	710.58	3'-6"	16'-6"	20'-0"	28.5
IS022I290L010.9-000	12	-	-	-	-	-	720.95	700.95	3'-6"	16'-6"	20'-0"	14.24
IS099I080L132.8-000	I	562.08	542.08	3'-6"	16'-6"	20'-0"	562.33	542.33	3'-6"	16'-6"	20'-0"	28.5
IS022I355L031.7-000	E	721.63	701.63	3'-6"	16'-6"	20'-0"	722.75	702.75	3'-6"	16'-6"	20'-0"	28.5

054-F3

2-17-2017

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REVISION: LP 04/02/18
REVISION: LP 10/19/2018

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PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISION - LP 10/19/2018
PLOT DATE = 10/20/2018	CHECKED - HM	REVISION -
	DATE - 11/03/17	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

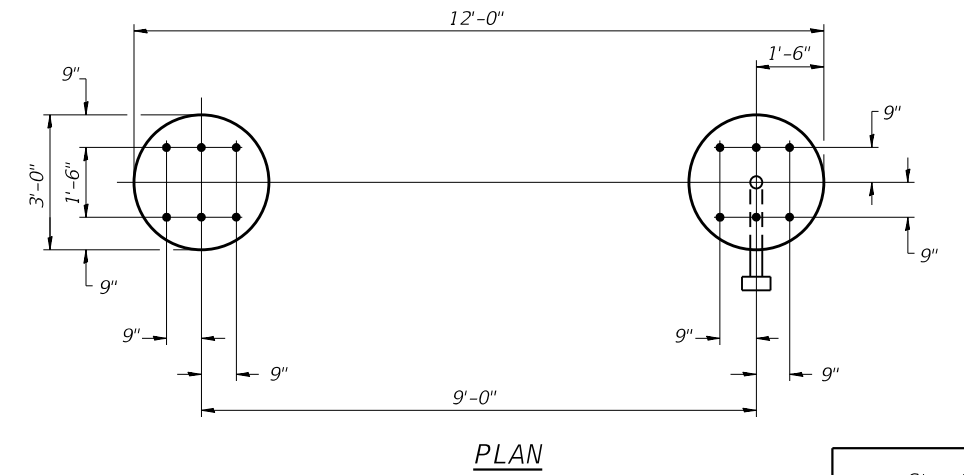
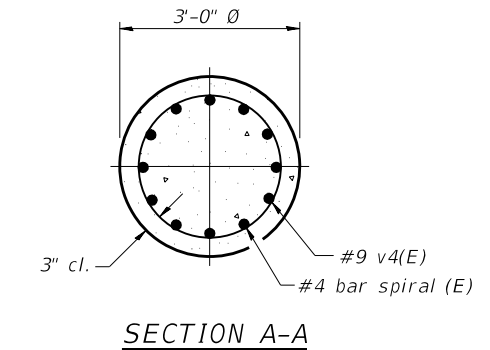
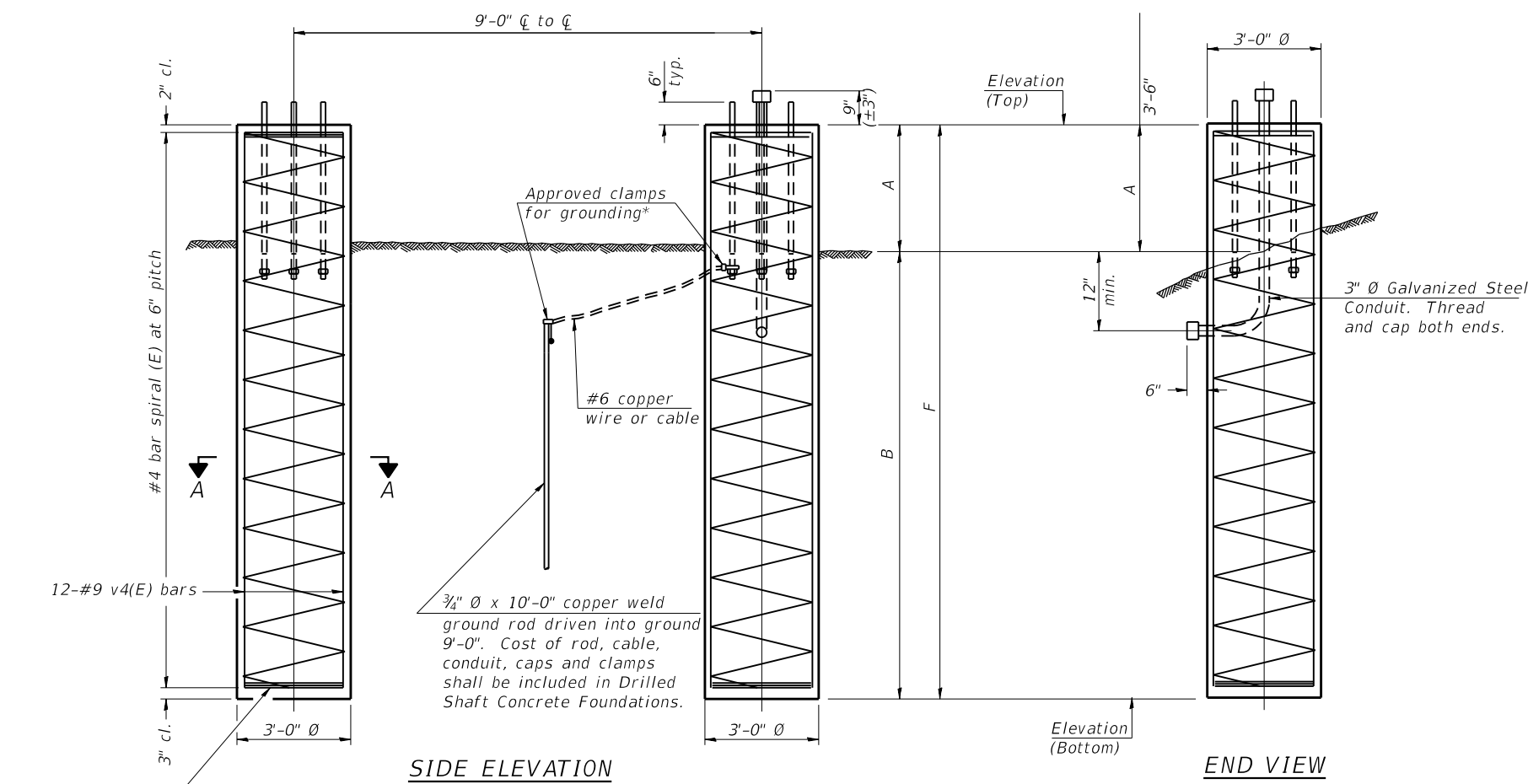
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	23
CONTRACT NO. 46472				
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 (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.



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 12" Ø SUPPORT FRAME TYPE III-A TRUSS

① Low strength cohesive soil and/or granular soil were encountered. They have the potential to squeeze or slough into the shaft excavation. Wet method (516.06b), temporary casing method (516.06c) or a combination of the two may be necessary.

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			
ISO221355R031.6-000	B (1)	727.18	705.68	3'-6"	18'-0"	21'-6"	728.29	706.79	3'-6"	18'-0"	21'-6"	30.63		
ISO221355R031.5-000	C	743.67	741.11	3'-6"	18'-0"	21'-6"	743.48	740.76	3'-6"	18'-0"	21'-6"	30.63		
ISO22S083L000.0-001	Q (1)	705.81	684.31	3'-6"	18'-0"	21'-6"	701.59	680.09	3'-6"	18'-0"	21'-6"	30.63		

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054-F4

2-17-2017

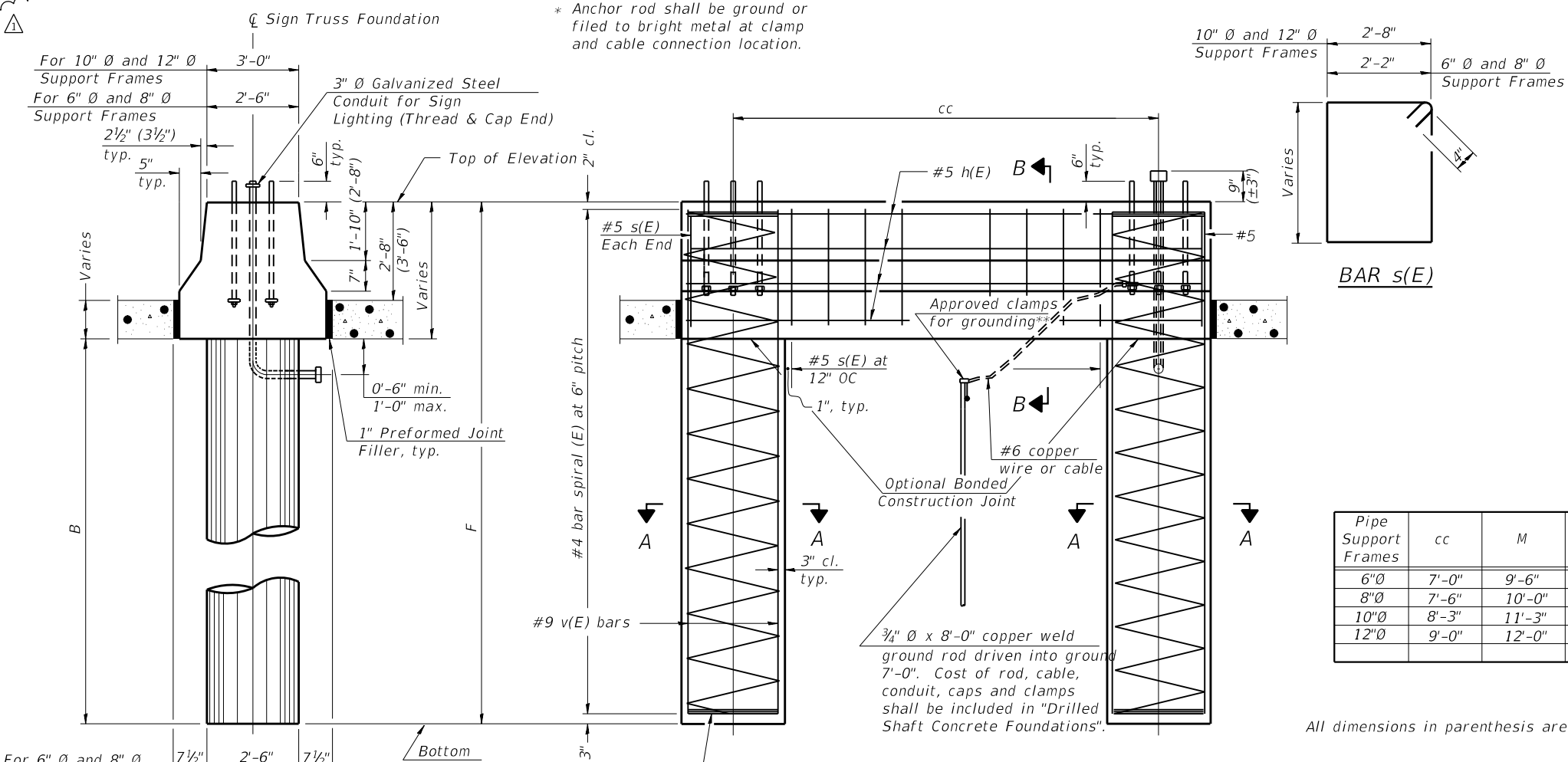
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PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	24
CONTRACT NO. 46472				
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.
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 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.

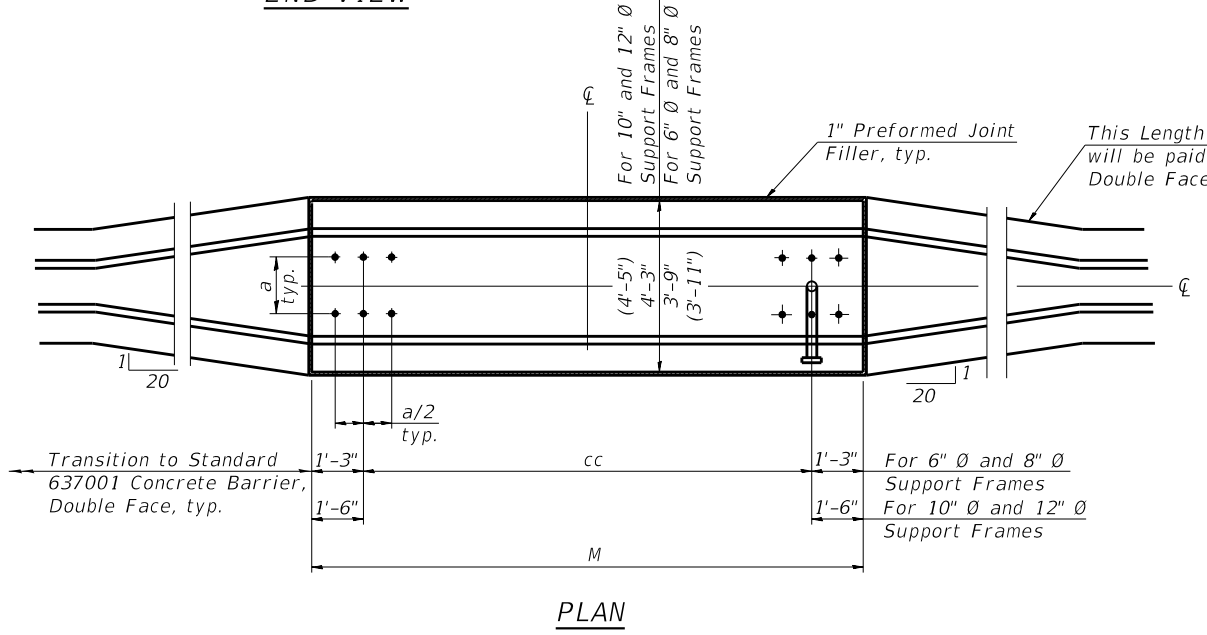
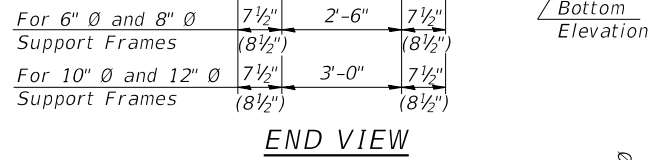
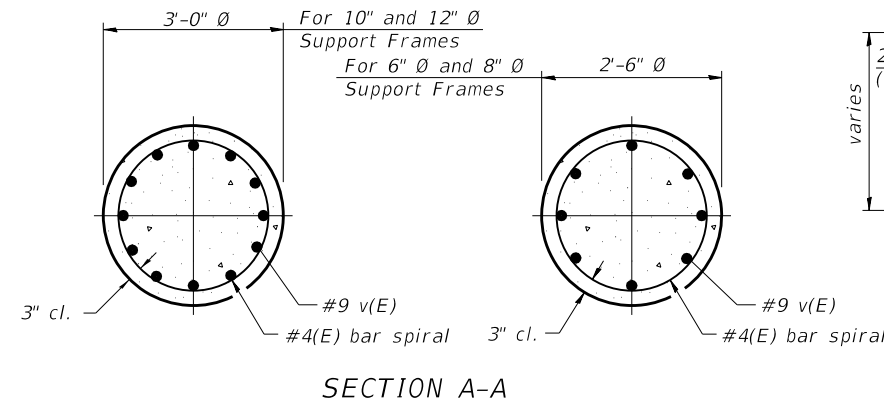
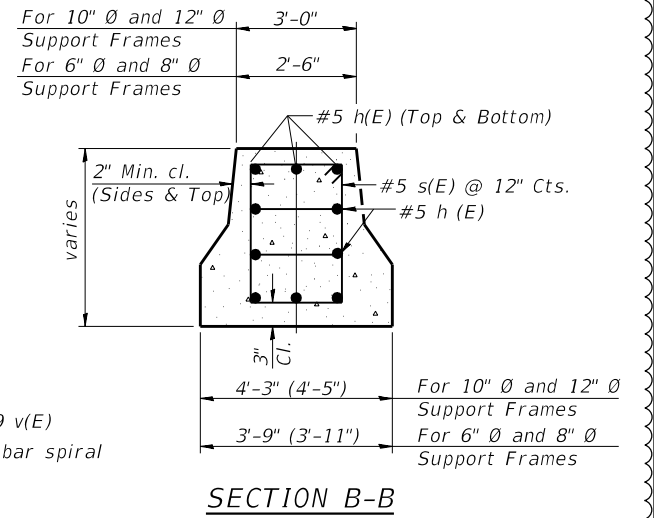
BAR LIST - EACH FOUNDATION

Pipe Support Frames	cc	M	a	a/2
6"Ø	7'-0"	9'-6"	0'-11"	5 1/2"
8"Ø	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"Ø	8'-3"	11'-3"	1'-3"	7 1/2"
12"Ø	9'-0"	12'-0"	1'-6"	9"

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"	—
#4(E) bar spiral see Side Elevation				

SIDE ELEVATION
 Concrete Foundation poured monolithically with no construction joint.

All dimensions in parenthesis are for 42" high barrier.



Structure Number	Station	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO221290L010.9-000	12	723.07	703.07	16'-6"	20'-0"	-	-	-	-	14.24
ISO221355R031.5-000	C	743.67	722.17	18'-0"	21'-6"	-	-	-	-	15.3
ISO221355R031.5-000	C	-	-	-	-	743.48	721.90	18'-0"	21'-6"	15.3
ISO221355R031.2-000	D	765.29	747.29	14'-6"	18'-0"	-	-	-	-	12.82
ISO221355R031.2-000	D	-	-	-	-	765.16	747.16	14'-6"	18'-0"	12.82
IC0225083R000.0-002	15	-	-	-	-	680.10	677.23	32'-0"	34'-8"	12.3

054-MED 2-17-2017

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.
 $f_y = 60,000$ 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.

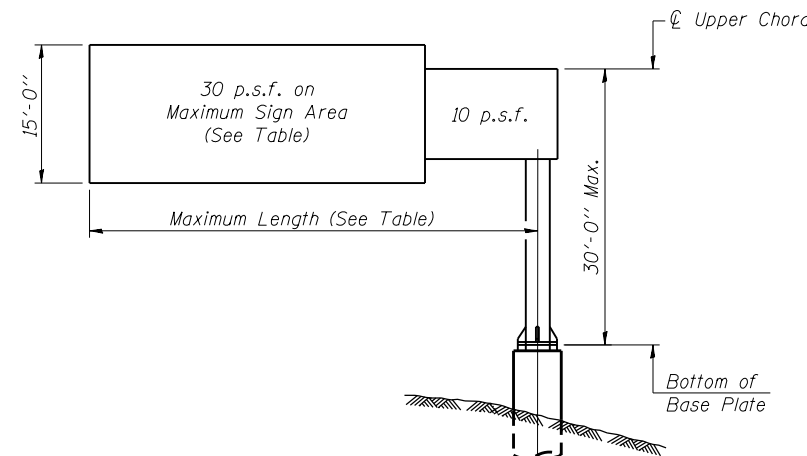
REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

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

③ Existing elevation provided was obtained from existing record drawings and is given as a reference. The contractor is responsible to provide actual elevations.

Structure Number	Location	Design Truss Type	Cantilever Length (L)	Elev. A ③	Dim. D	D _s	Total Sign Area
IC022S064R000.0-000	10	III-C-A	40'-0"	100.00	15'-6"	7'-6"	108.8
IC022S083R000.0-002	15	III-C-A	40'-0"	677.50	9'-6"	16'-0"	344.0
IC022I055R274.5-001	16	III-C-A	40'-0"	100.00	19'-6"	7'-0"	94.5
IC022I055L274.5-000	17	III-C-A	40'-0"	96.92	19'-6"	7'-0"	94.5
IC099I055L236.0-000	7	III-C-A	40'-0"	558.98	18'-0"	12'-6"	175.0
IC099I055R235.5-000	8	III-C-A	40'-0"	556.12	18'-0"	12'-6"	175.0
IC099I055R241.0-000	9	III-C-A	40'-0"	100.00	24'-10"	7'-0"	154.0
IC022S083L000.0-000	R	III-C-A	40'-0"	100.00	30'-0"	7'-0"	84.0

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.

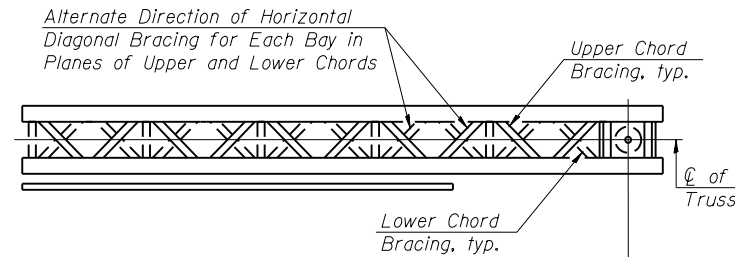
Note:

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.

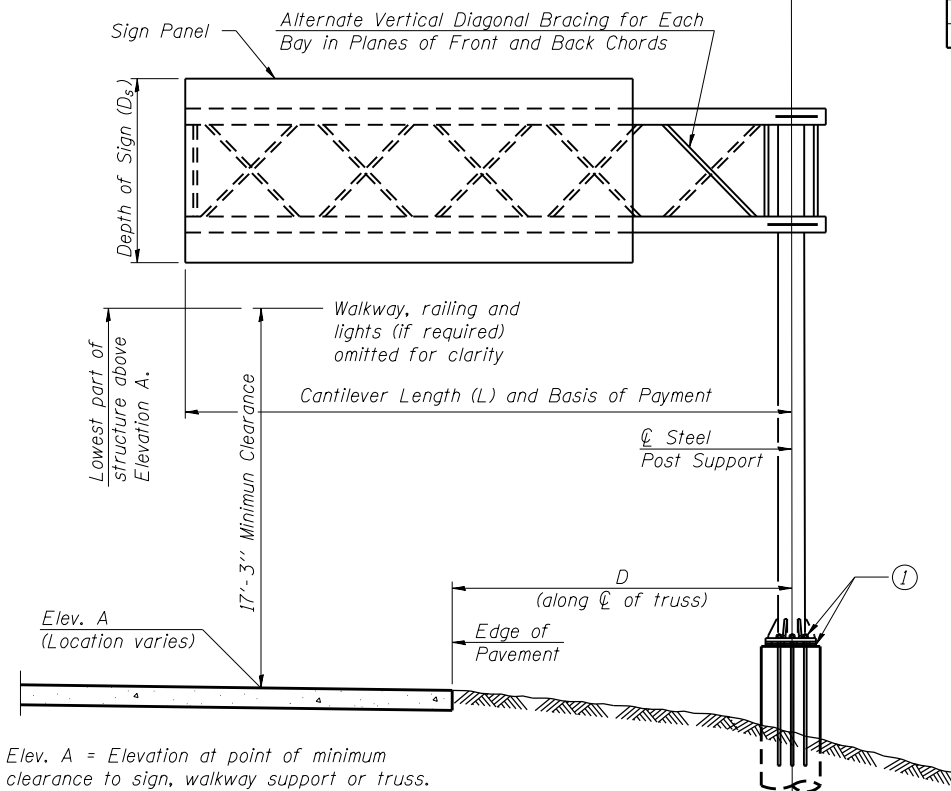
① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel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

② It is the contractors responsibility to verify/calculate all the measurements in the field prior to fabrication, and ensure they are compliant with IDOT Standards

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



TYPICAL PLAN
(Walkway not shown)



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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	0
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	0
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	320
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	0
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	98.6

OSC-A-1

8-21-13

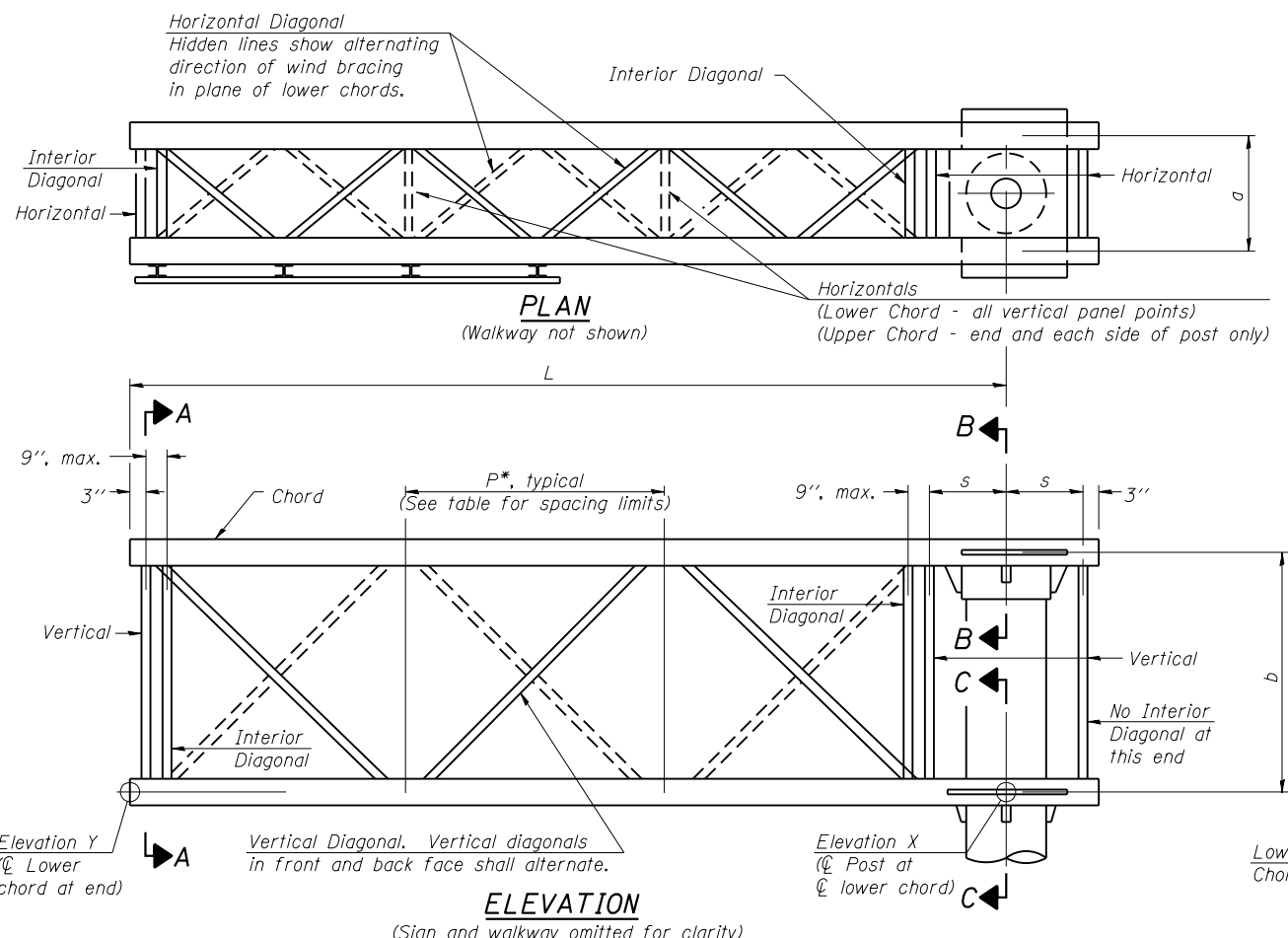
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PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	26
			CONTRACT NO. 46472	
			ILLINOIS FED. AID PROJECT	



Note:
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)*
IC022S064R000.0-000	10	III-C-A	40'-0"	8	4'-9"
IC022S083R000.0-002	15	III-C-A	40'-0"	8	4'-9"
IC022I055R274.5-001	16	III-C-A	40'-0"	8	4'-9"
IC022I055L274.5-000	17	III-C-A	40'-0"	8	4'-9"
IC099I055L236.0-000	7	III-C-A	40'-0"	8	4'-9"
IC099I055R235.5-000	8	III-C-A	40'-0"	8	4'-9"
IC099I055R241.0-000	9	III-C-A	40'-0"	8	4'-9"
IC022S083L000.0-000	R	III-C-A	40'-0"	8	4'-9"

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"

① It is the contractors responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication, and ensure they are compliant with IDOT Standards.

OSC-A-2

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

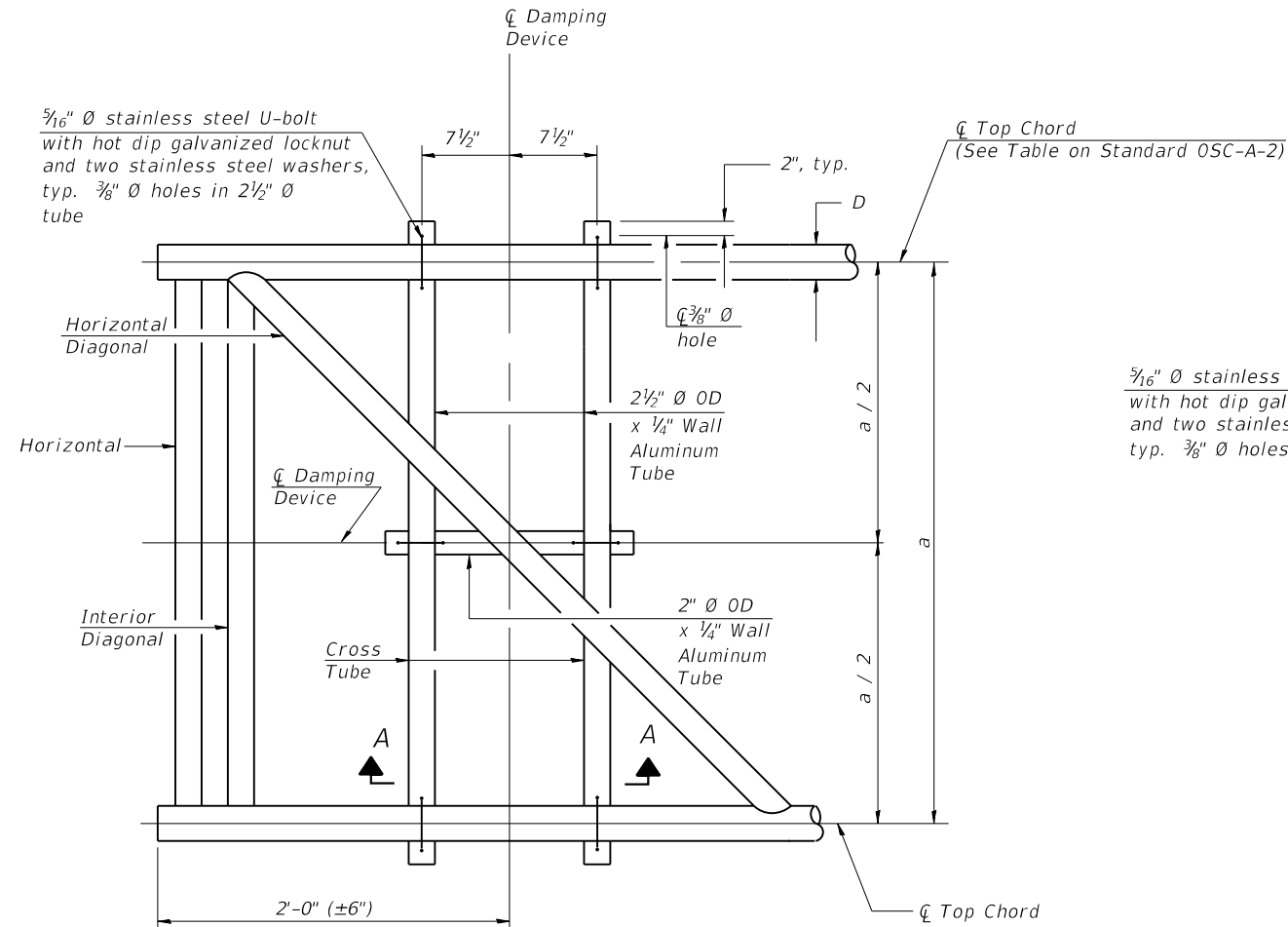
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

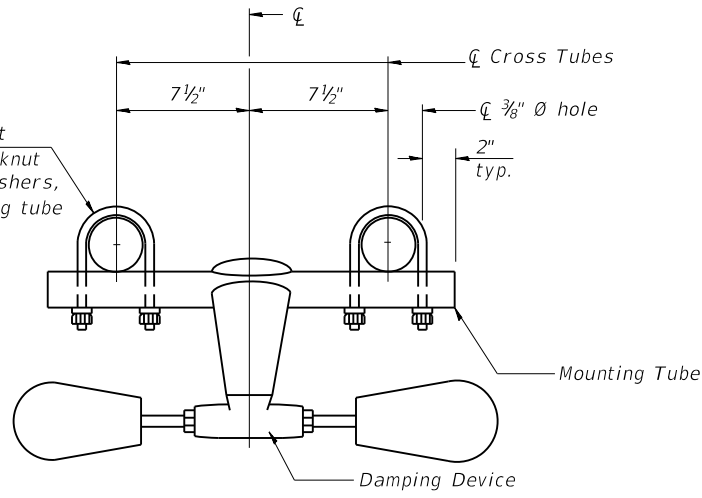
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	27
CONTRACT NO. 46472				

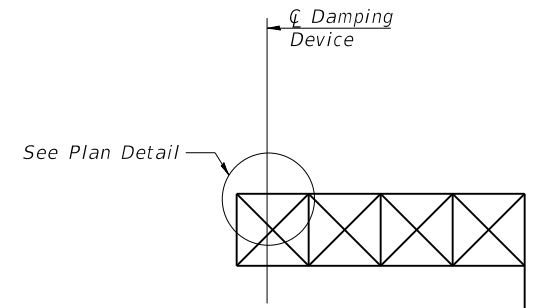
ILLINOIS FED. AID PROJECT



PLAN DETAIL



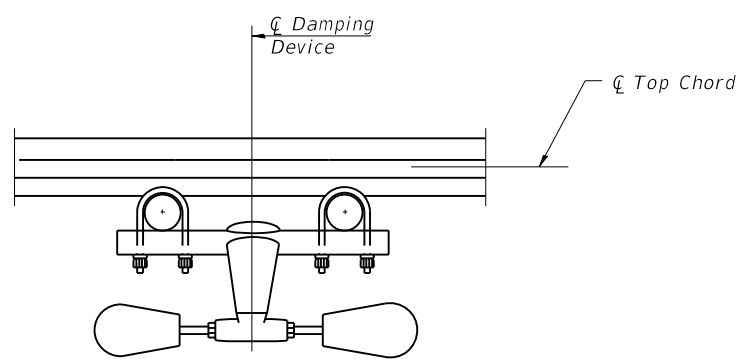
TRUSS DAMPING DEVICE CONNECTION DETAIL



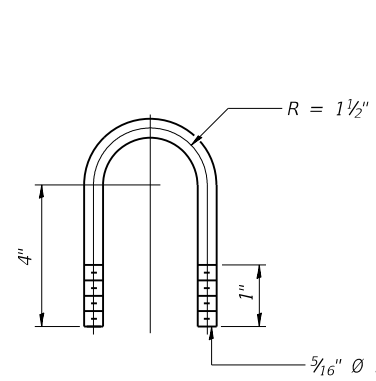
ELEVATION
Aluminum Cantilever Sign Structure

GENERAL NOTES

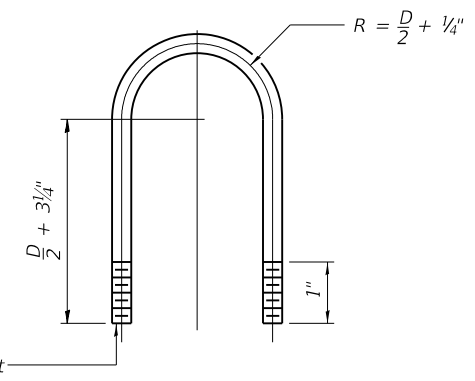
- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL (Typical)



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

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OSC-A-D

2-17-2017

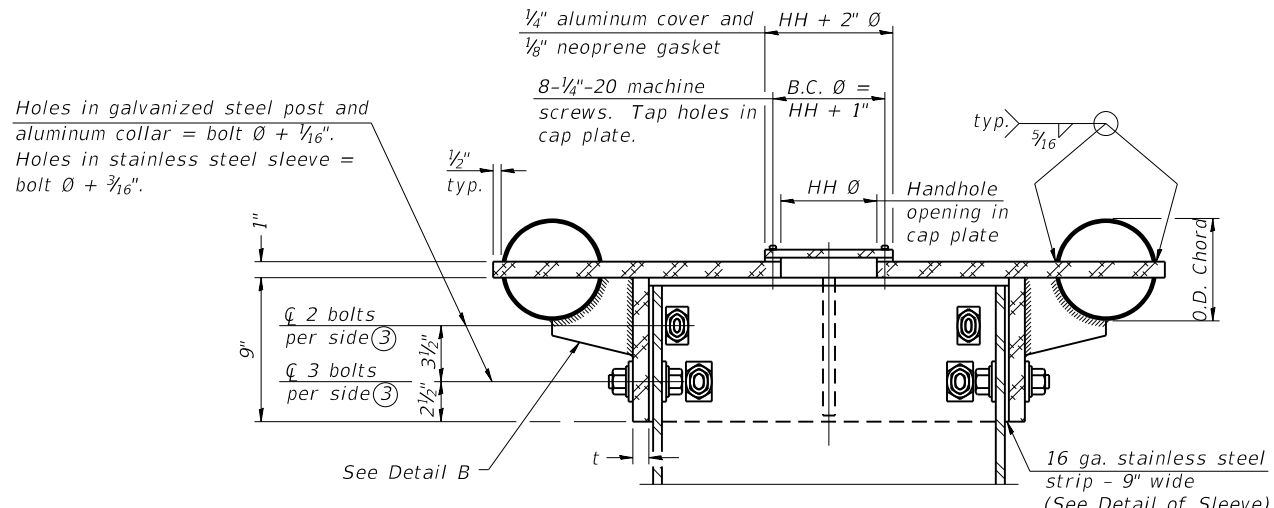
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PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

SCALE: SHEET OF SHEETS STA. TO STA.

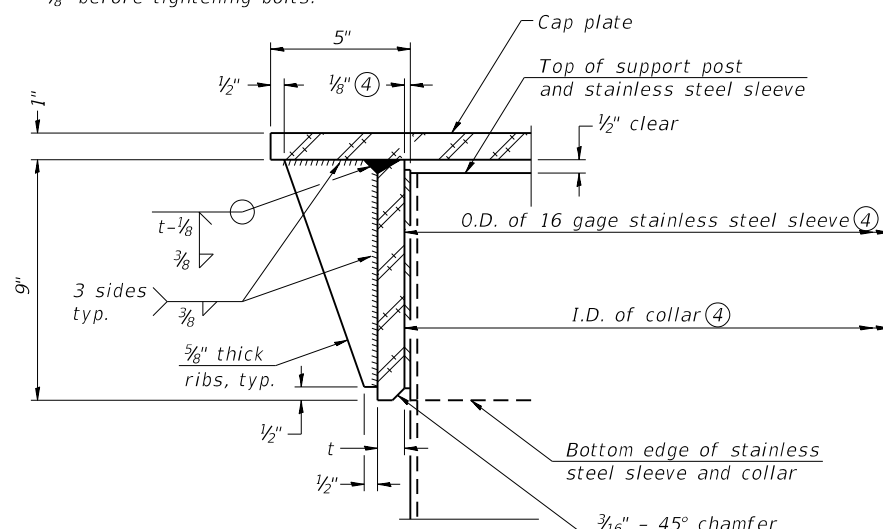
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	28
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				



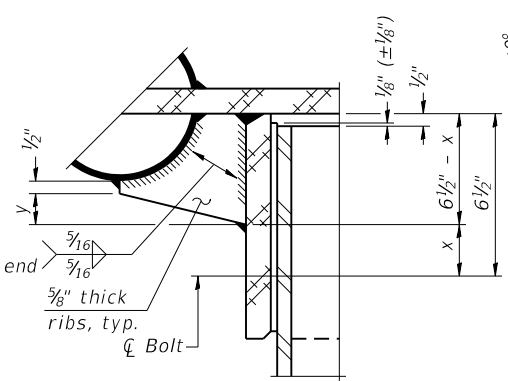
④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (±1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

SECTION B-B

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

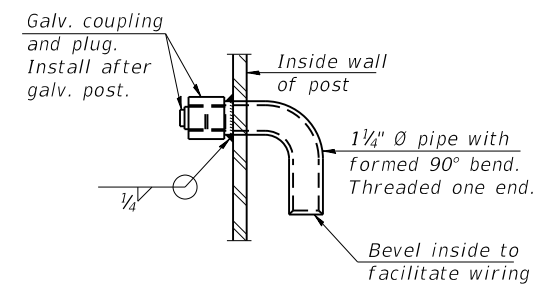


DETAIL A
(Two locations)

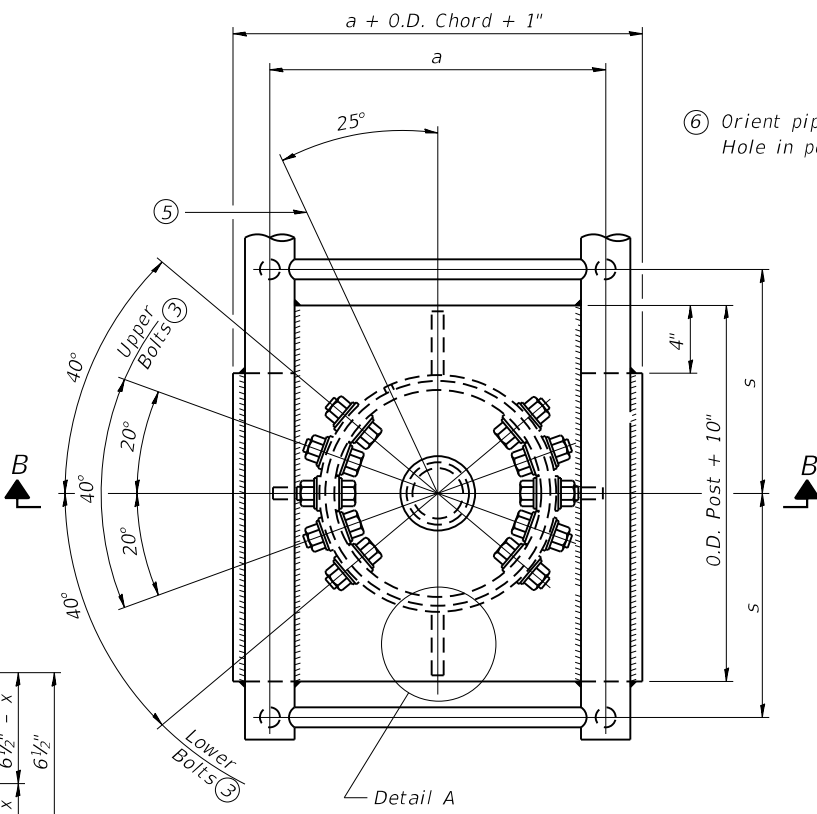


DETAIL B

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

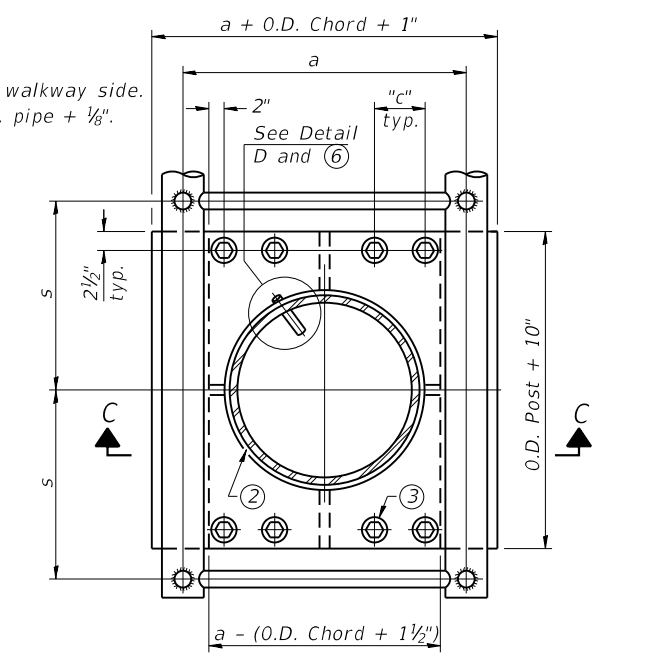


DETAIL D



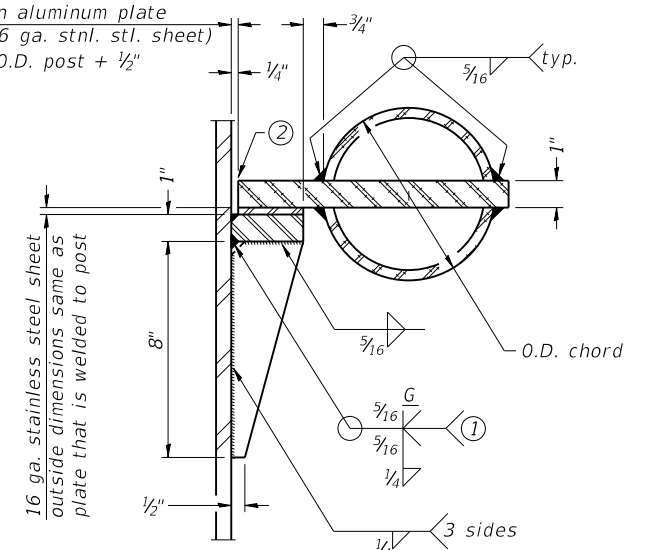
PLAN VIEW - TOP OF COLUMN

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

- 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.

CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	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"

OSC-A-3

2-17-2017

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

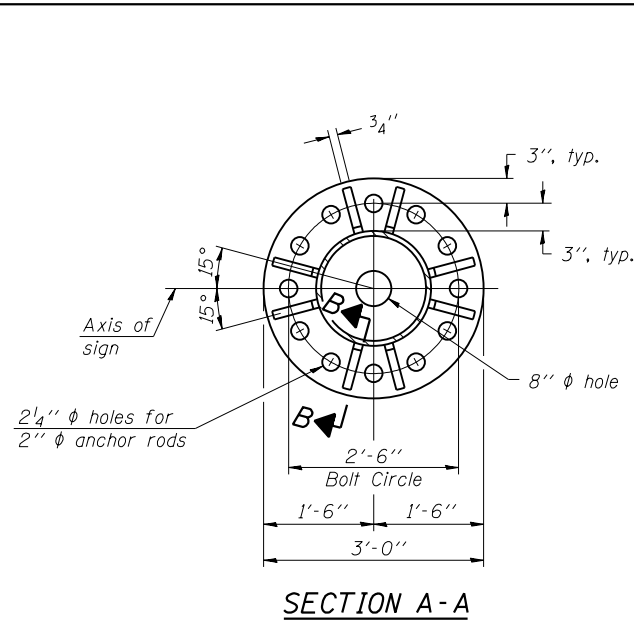
**CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST**

SCALE: SHEET OF SHEETS STA. TO STA.

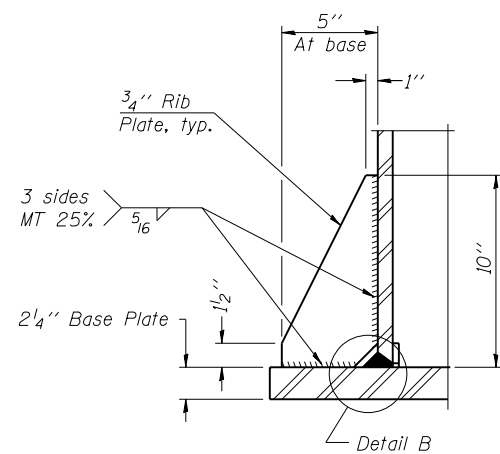
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	29
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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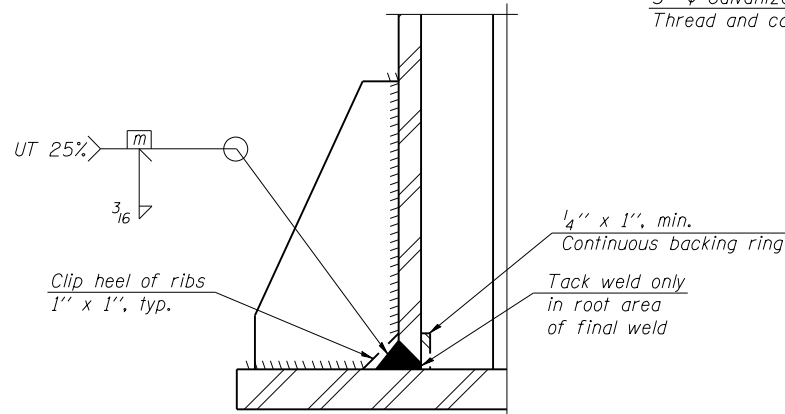
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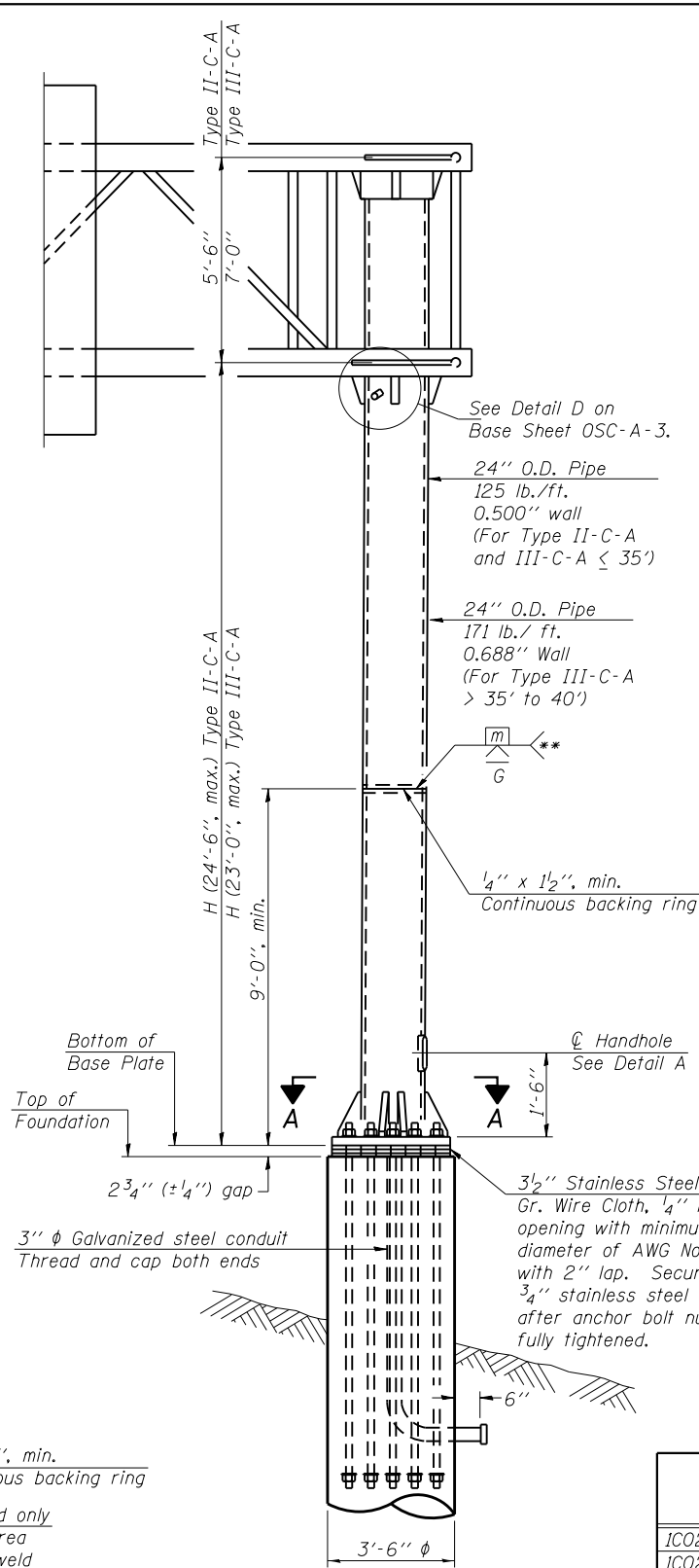
SECTION A-A



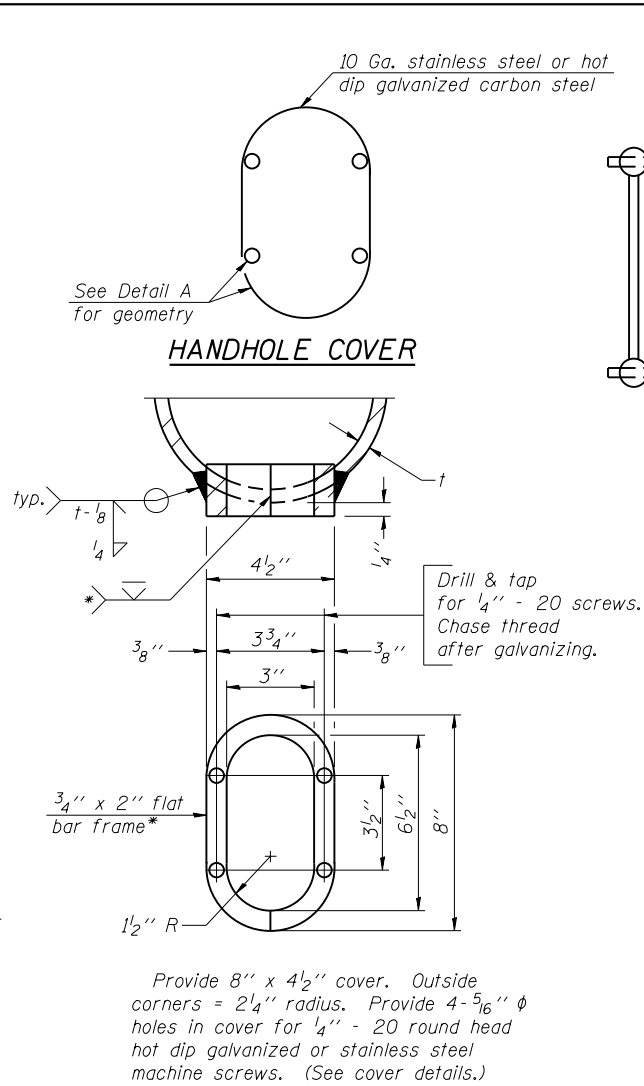
SECTION B-B



DETAIL B
(Typical rib)



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



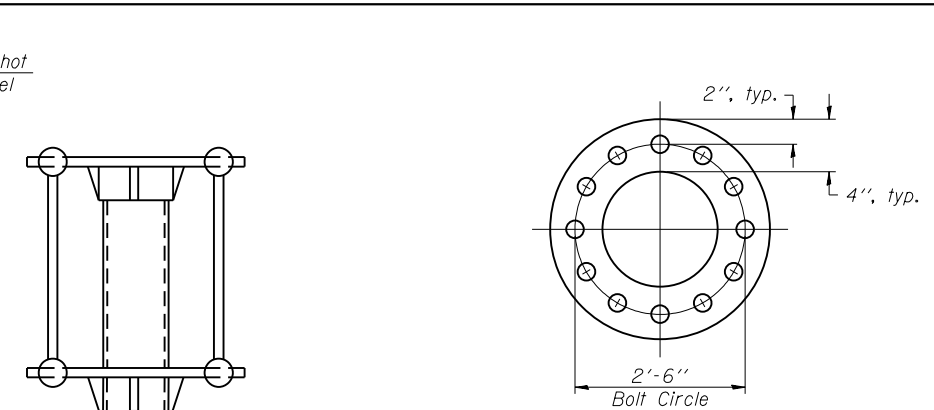
DETAIL A

* 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 500 μ in or less.

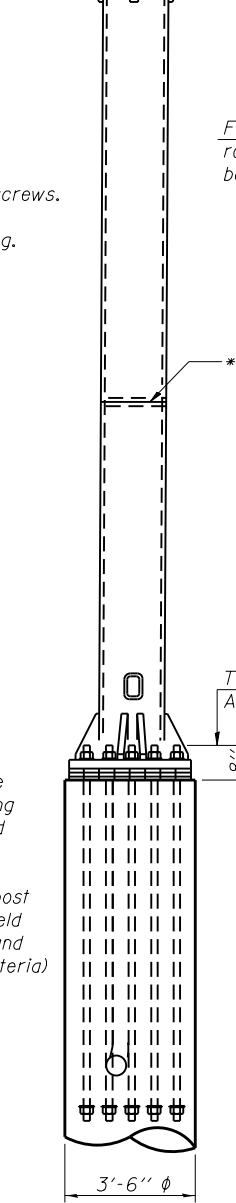
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Location	H (1)
IC022S064R000.0-000	10	19.37'
IC022S083R000.0-002	15	22.71'
IC022I055R274.5-001	16	26.02'
IC022I055L274.5-000	17	27.98'
IC099I055L236.0-000	7	25.69'
IC099I055R235.5-000	8	25.37'
IC099I055R241.0-000	9	22.13'
IC022S083L000.0-000	R	24.33'

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.

(1) NOTE:
Survey elevations and distances are not available for this location. Existing elevation provided was obtained from existing record drawings and is given as a reference. The contractor is responsible to obtain survey elevations and cantilever length and then determine the vertical dimensions and elevations for the steel post support, and the exact cantilever length.

OSC-A-5

6-1-12

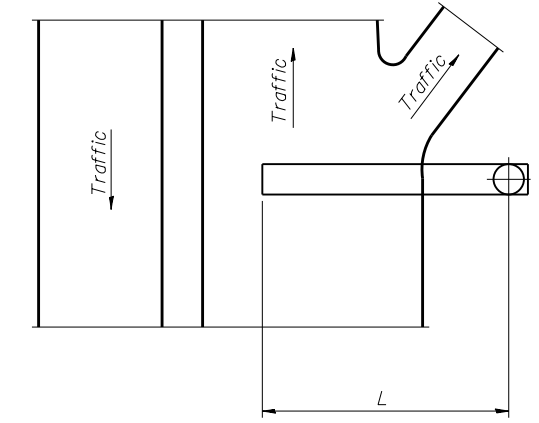
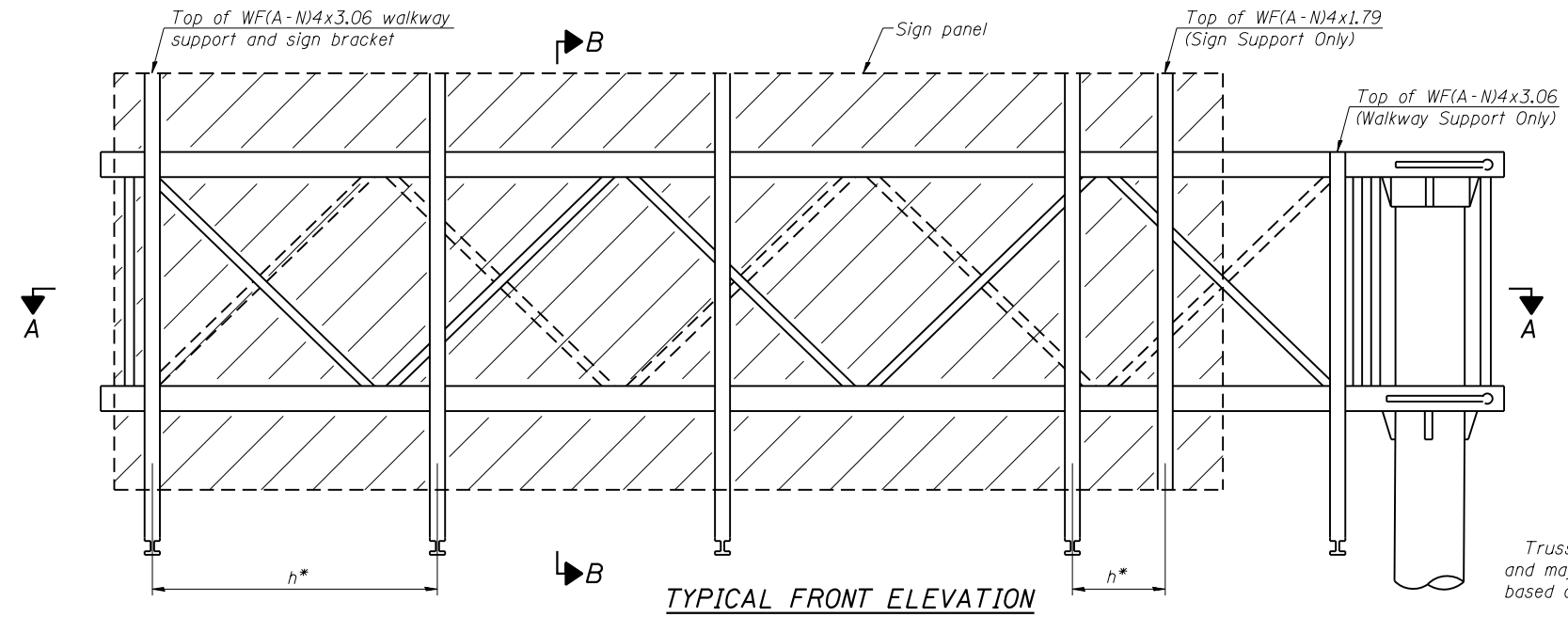
USER NAME	DESIGNED	REVISION
= pocielchal	- BR / MDM	- LP 04/02/18
	- BAS / LP	
	- HM	
	- 11/03/17	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

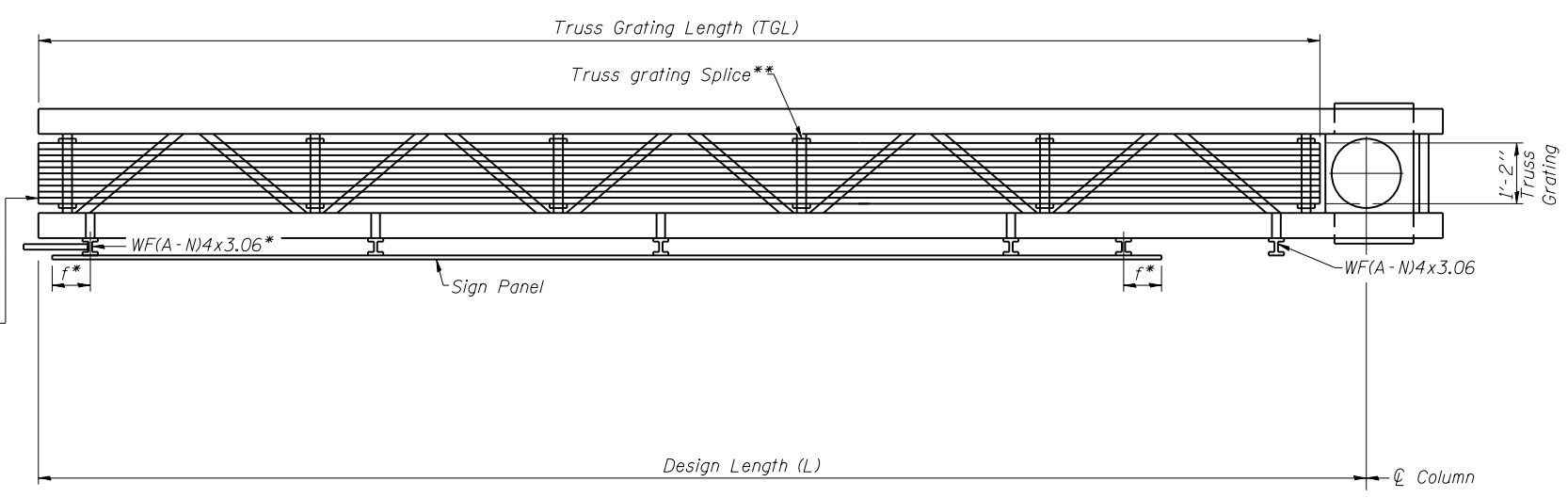
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	30
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				



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

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



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. External walkway and light fixture supports will not be required.

** 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 (1)
IC022S064R000.0-000	10	-	-	38'-3"
IC022S083R000.0-002	15	-	-	38'-3"
IC022I055R274.5-001	16	-	-	38'-3"
IC022I055L274.5-000	17	-	-	38'-3"
IC099I055L236.0-000	7	-	-	38'-3"
IC099I055R235.5-000	8	-	-	38'-3"
IC099I055R241.0-000	9	-	-	38'-3"
IC022S083L000.0-000	R	-	-	38'-3"

- 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 C of nearest bracket)
 - h = 6'-0" maximum (C to C sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 - 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.
- (1) Survey elevations and distances are not available for this location. The contractor is responsible to adjust TGL according to actual cantilever length.

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OSC-A-6

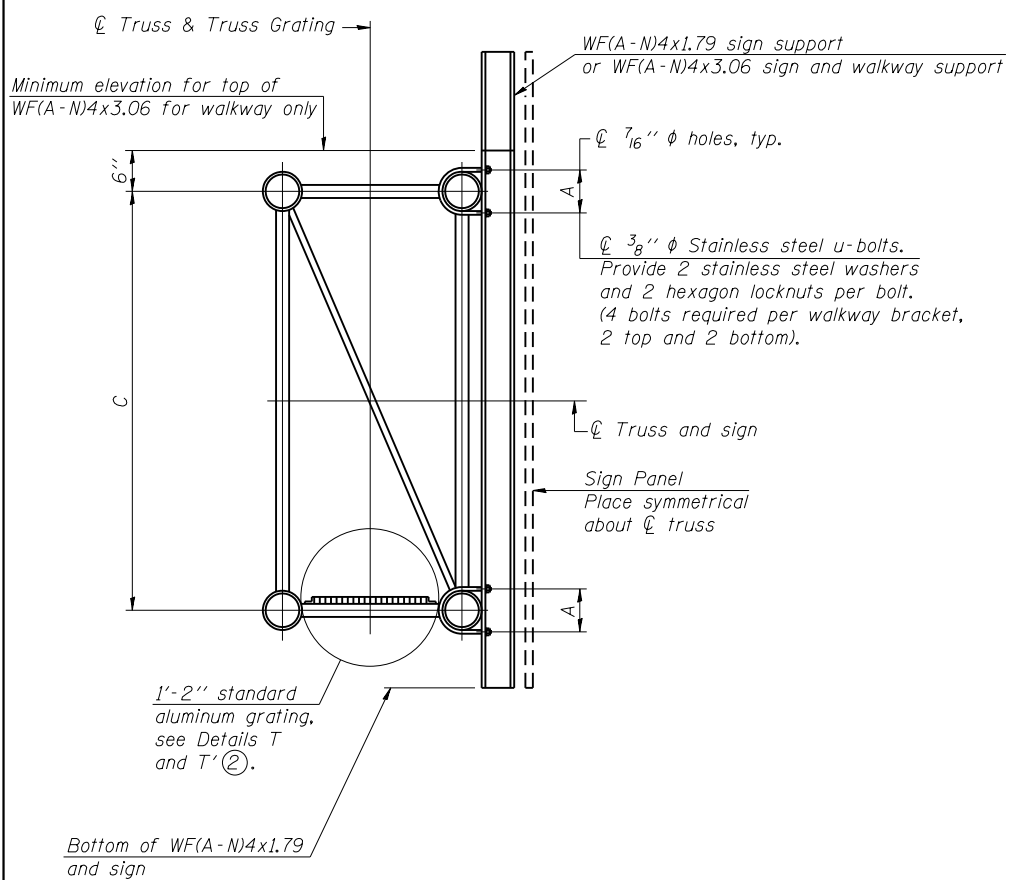
6-1-12

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PLOT SCALE = 100,0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

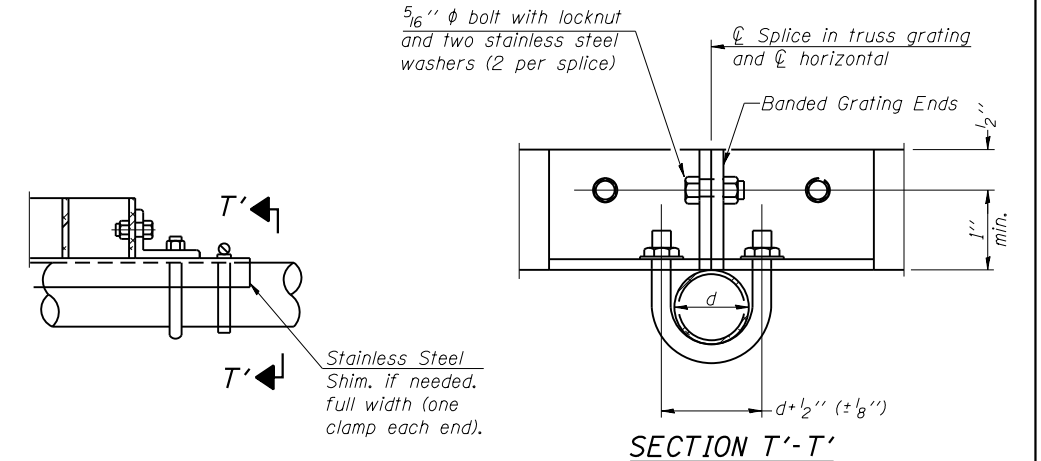
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	31
CONTRACT NO. 46472				
SCALE:		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT



Structure Number	Location	A	B	C	D
IC022S064R000.0-000	10	8 1/2"	1'-3"	7'-0"	8'-9"
IC022S083R000.0-002	15	8 1/2"	3'-0"	7'-0"	10'-6"
IC022I055R274.5-001	16	8 1/2"	2'-3"	7'-0"	9'-9"
IC022I055L274.5-000	17	8 1/2"	2'-3"	7'-0"	9'-9"
IC099I055L236.0-000	7	8 1/2"	1'-3"	7'-0"	8'-9"
IC099I055R235.5-000	8	8 1/2"	1'-3"	7'-0"	8'-9"
IC099I055R241.0-000	9	8 1/2"	2'-3"	7'-0"	9'-9"
IC022S083L000.0-000	R	8 1/2"	1'-3"	7'-0"	8'-9"

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.

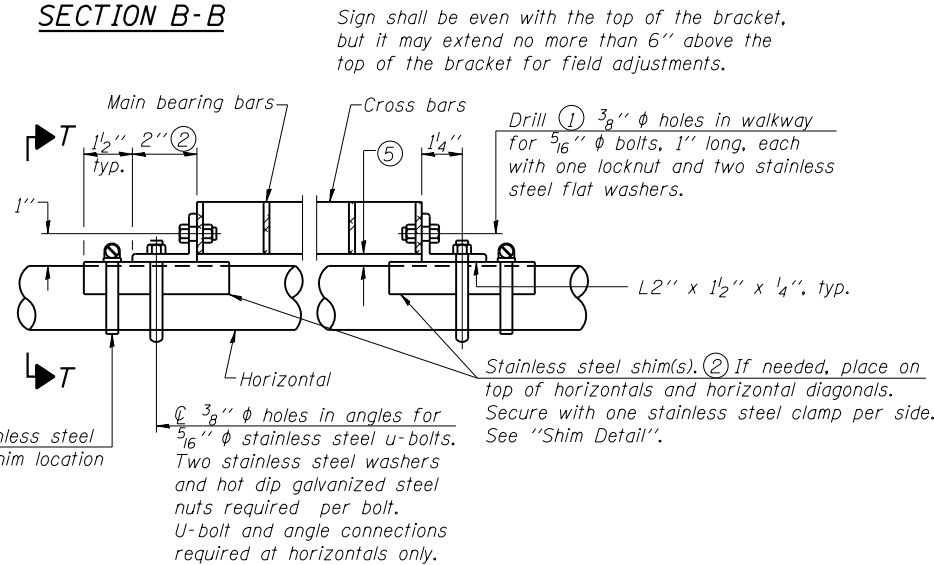
OR
 Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to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



DETAIL T'

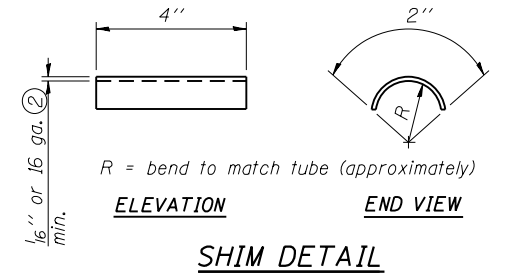
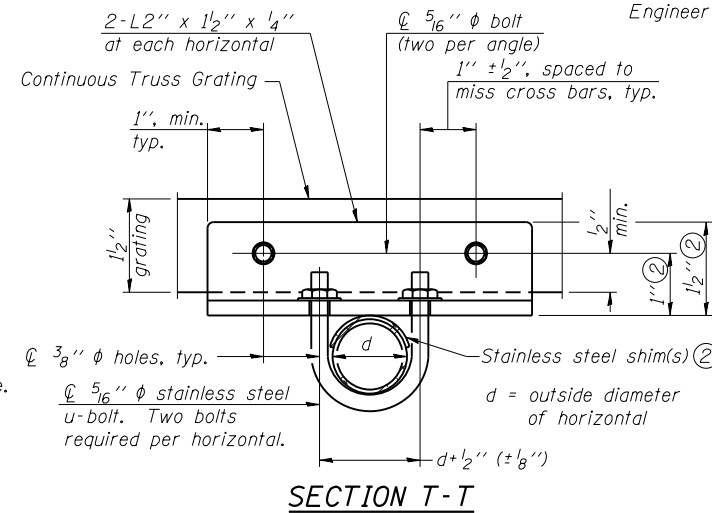
(Truss grating splice)
 Details not shown same as Detail T.
 Alternate materials may be used subject to the Engineer's review and approval.

SECTION B-B



DETAIL T

(Continuous Truss grating)



- 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.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.

MODEL: Default
 FILE: \\mspc-pw01\B&E\BID\ITEC\Illinois\gov\FW\DOT\Documents\BIDD\Office\BID\IER\1\proj\scs\m60008\18\cvt\stdm

OSC-A-7

6-1-12

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
DRAWN - BAS / LP	REVISIONS	
PLOT SCALE = 100.0000' / in.	CHECKED - HM	REVISIONS
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISIONS

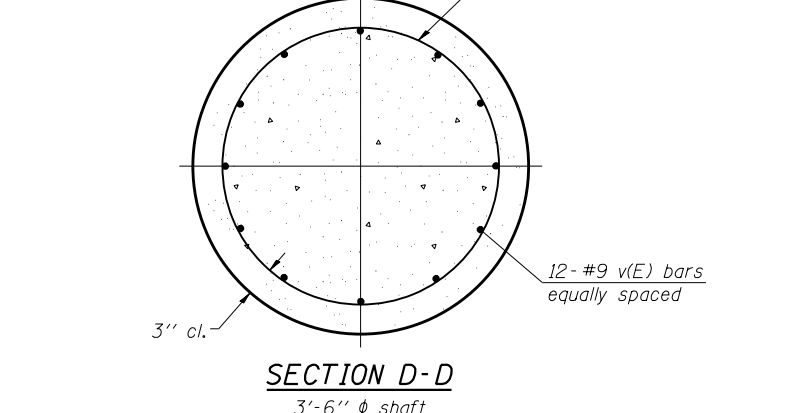
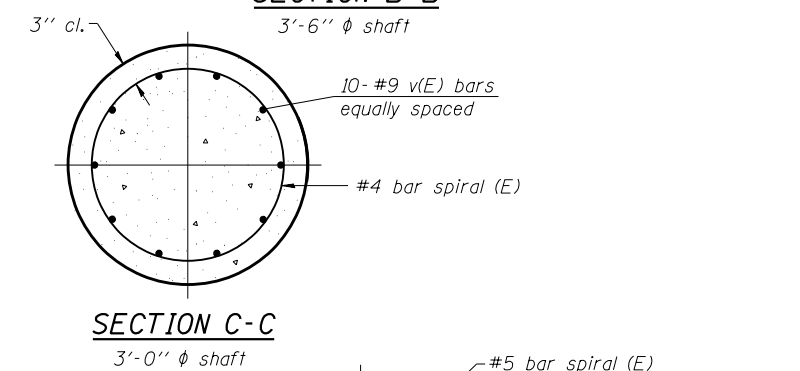
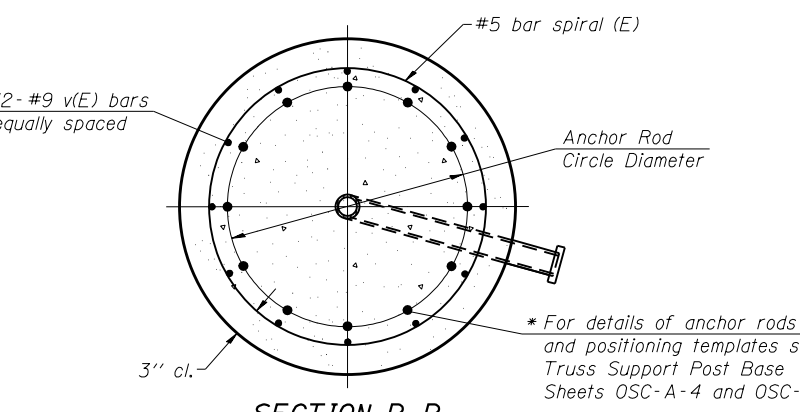
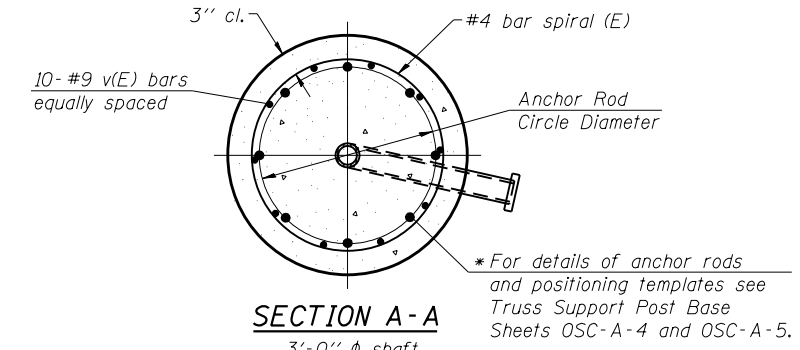
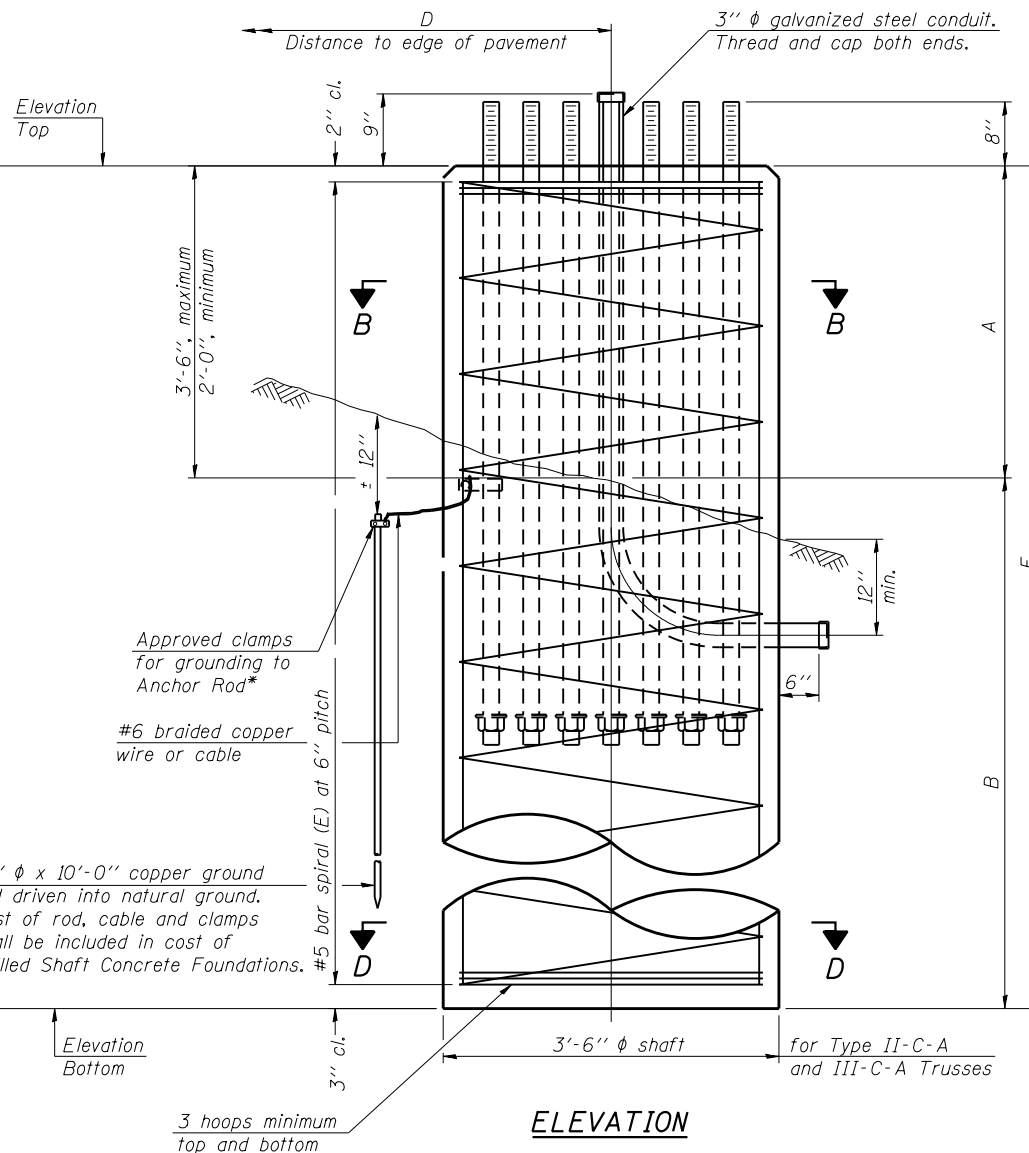
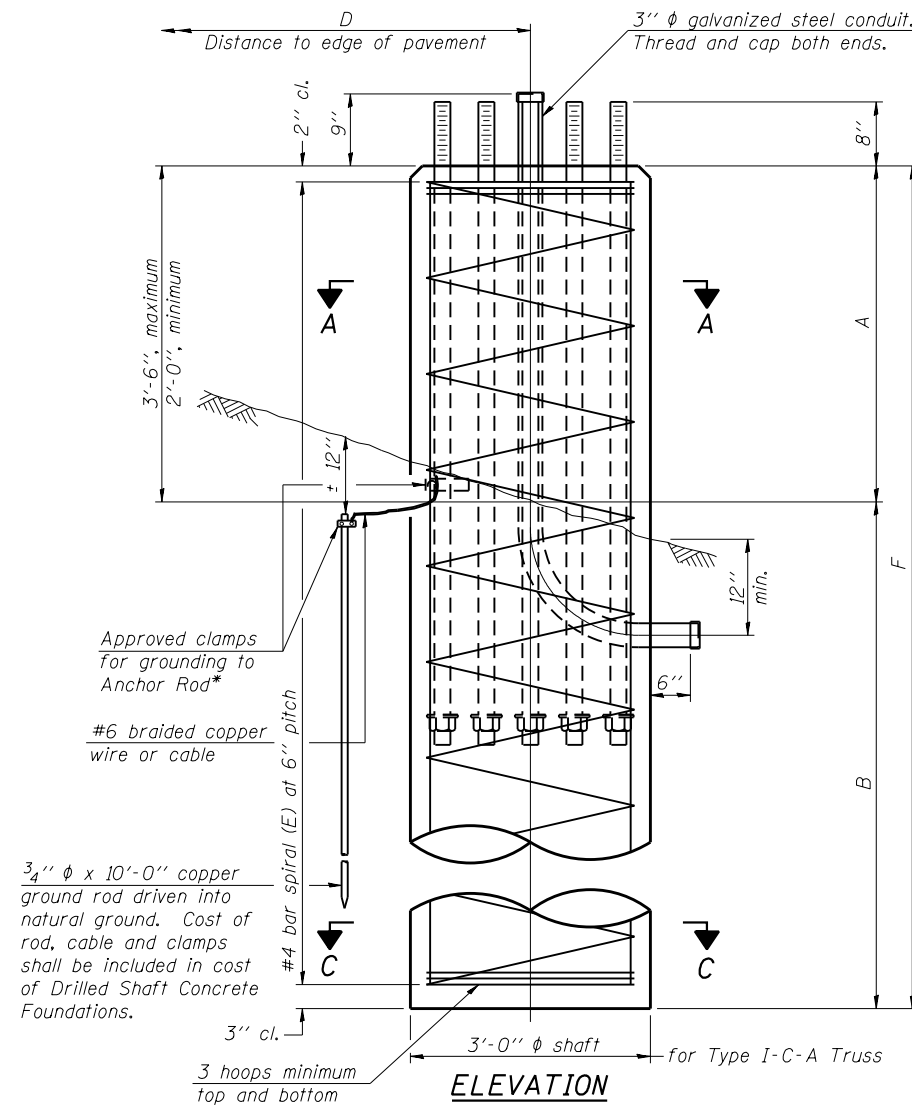
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	32
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

* 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 (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific 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 (ft)	"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	A	B	F	Class DS Concrete Cubic Yards
IC022S064R000.0-000	10	III-C-A	3'-6"	672.69	637.19	3'-6"	32'-0"	35'-6"	12.7
IC022I055R274.5-001	16	III-C-A	3'-6"	724.88	689.38	3'-6"	32'-0"	35'-6"	12.7
IC022I055L274.5-000	17	III-C-A	3'-6"	714.70	679.20	3'-6"	32'-0"	35'-6"	12.7
IC099I055L236.0-000	7	III-C-A	3'-6"	554.90	519.40	3'-6"	32'-0"	35'-6"	12.7
IC099I055R235.5-000	8	III-C-A	3'-6"	555.51	520.01	3'-6"	32'-0"	35'-6"	12.7
IC099I055R241.0-000	9	III-C-A	3'-6"	530.50	504.00	3'-6"	23'-0"	26'-6"	9.4
IC022S083L000.0-000	R	III-C-A	3'-6"	684.83	649.33	3'-6"	32'-0"	35'-6"	12.7

- It is the contractors responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication, and ensure they are compliant with IDOT Standards.
- Low strength cohesive soil and/or granular soil encountered. They have the potential to squeeze or slough into the shaft excavation. Wet method (516.06b), temporary casing method (516.06c) or a combination of the two may be necessary.
- Bedrock was encountered and the standard sign foundation detail may not be used. A custom foundation design will be needed for these structures. Foundation shaft recommendation are included
- Refer to boring logs provided.

OSC-A-9

8-21-13

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED - LP 04/02/18
PLOT SCALE = 100.0000' / in.	DRAWN - BAS / LP	REVISED - Δ LP 10/19/2018
PLOT DATE = 10/20/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

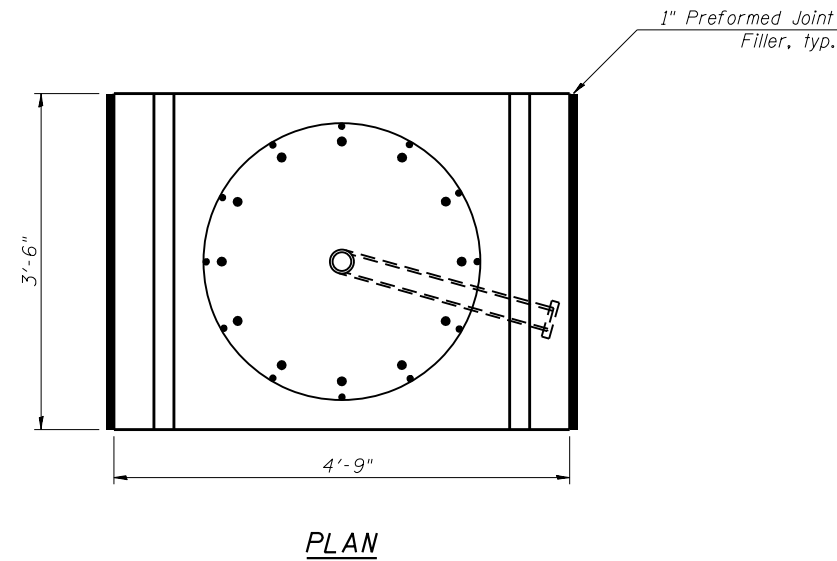
CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	33
CONTRACT NO. 46472				
ILLINOIS / FED. AID PROJECT				

MODEL: Default FILE: \\pociechal\B&E\BID\TEC\Illinois\pociechal\DOT\Documents\DOT Office\BID\1109\OSC-A-9\OSC-A-9.dwg

* 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.

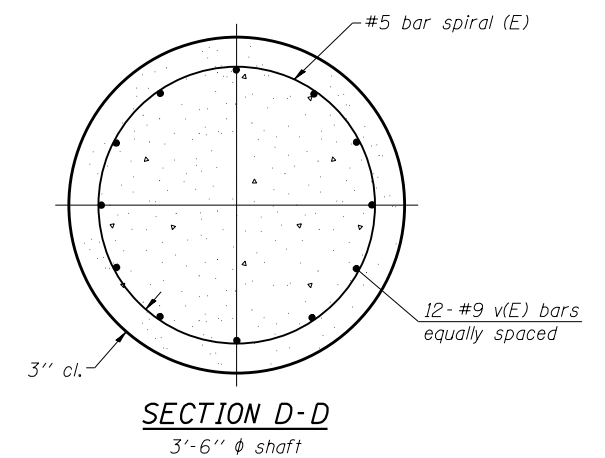
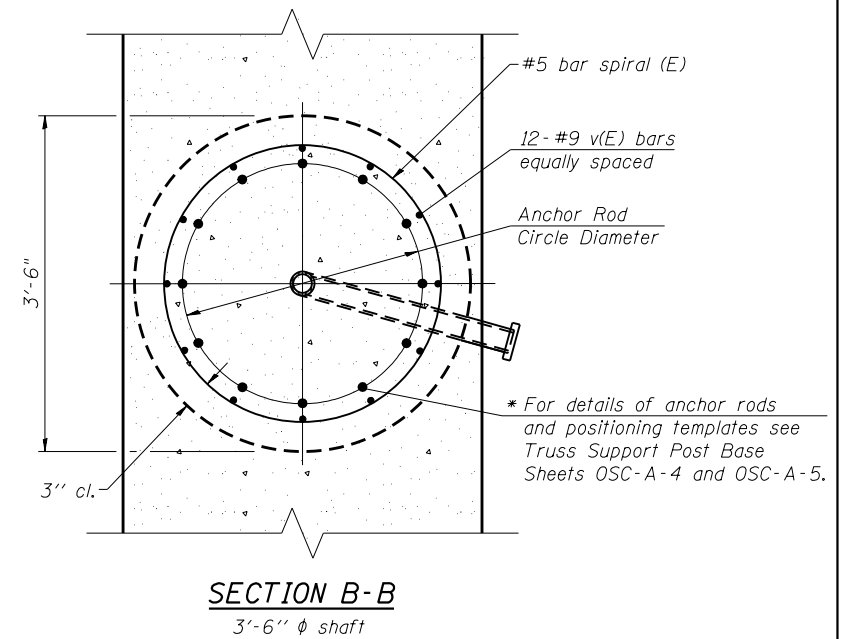
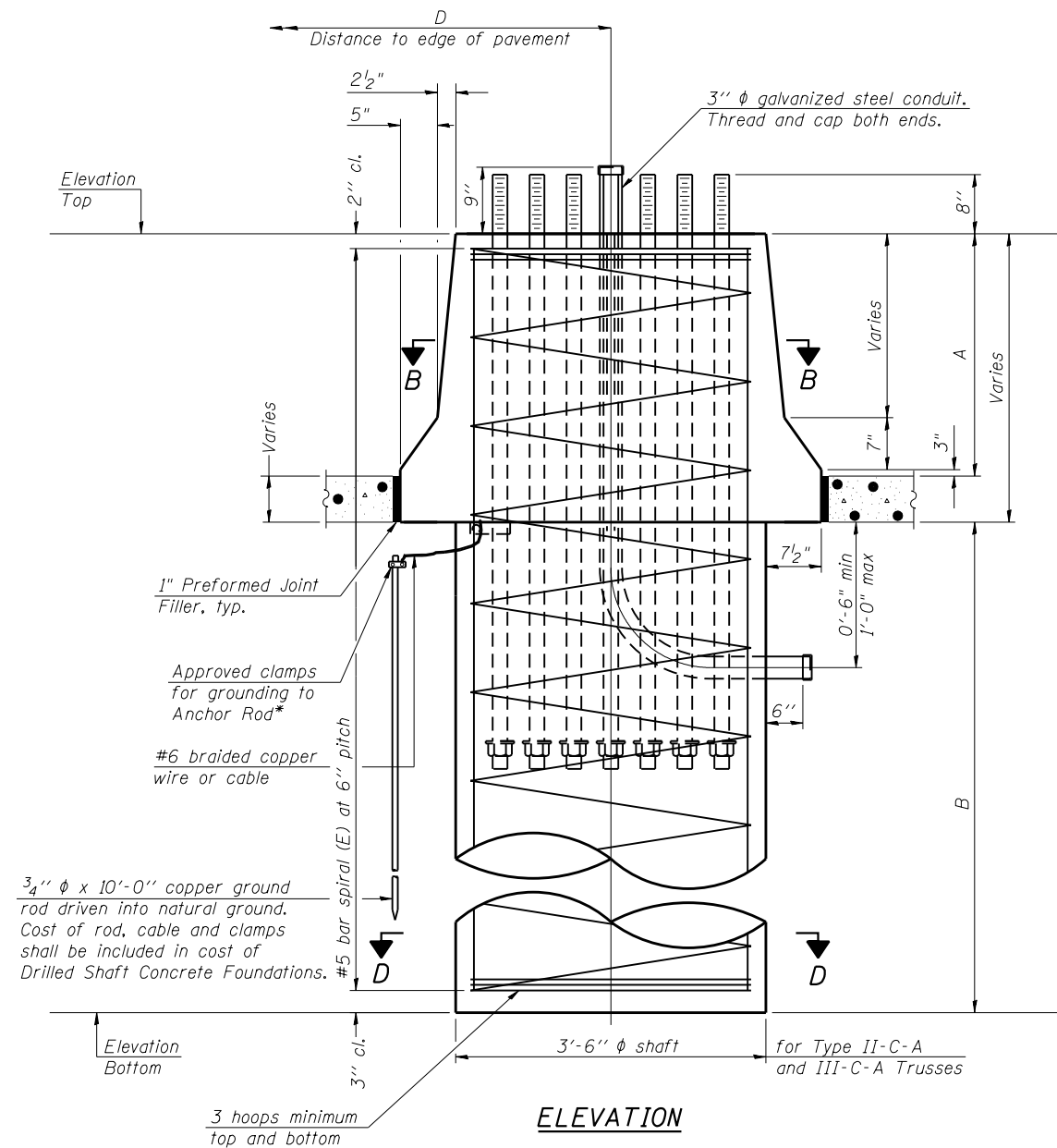
No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

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".

- ① It is the contractor's responsibility to verify/calculate all the measurements & elevations in the field prior to fabrication, and ensure they are compliant with IDOT Standards.
- ② Low strength cohesive soil and/or granular soil encountered. They have the potential to squeeze or slough into the shaft excavation. Wet method (516.06b), temporary casing method (516.06c) or a combination of the two may be necessary.
- ③ Bedrock was encountered and the standard sign foundation detail may not be used. A custom foundation design will be needed for these structures. Foundation shaft recommendation are included.
- ④ Refer to boring logs provided.
- ⑤ The foundation for location 15 shall be cast as part of the concrete barrier wall. The shape of the top of the foundation shall be the same shape as the adjacent concrete barrier wall. The top of the foundation shall be at the same elevation as the adjacent concrete barrier wall. The foundation shall be cast monolithically.



Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (ft)	"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	A	B	F	Class DS Concrete Cubic Yards
1C022S083R000.0-002 -	- 15 ⑤	III-C-A	3'-6"	680.10	645.43	2'-8"	32'-0"	34'-8"	12.3

OSC-A-9 (SPECIAL) 1-19-2018

USER NAME = pocielach	DESIGNED - BR / MDM	REVISED - LP 04/02/18
DRAWN - BAS / LP	REVISED - LP 10/19/2018	
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PLOT DATE = 10/20/2018	DATE - 11/03/17	REVISED -

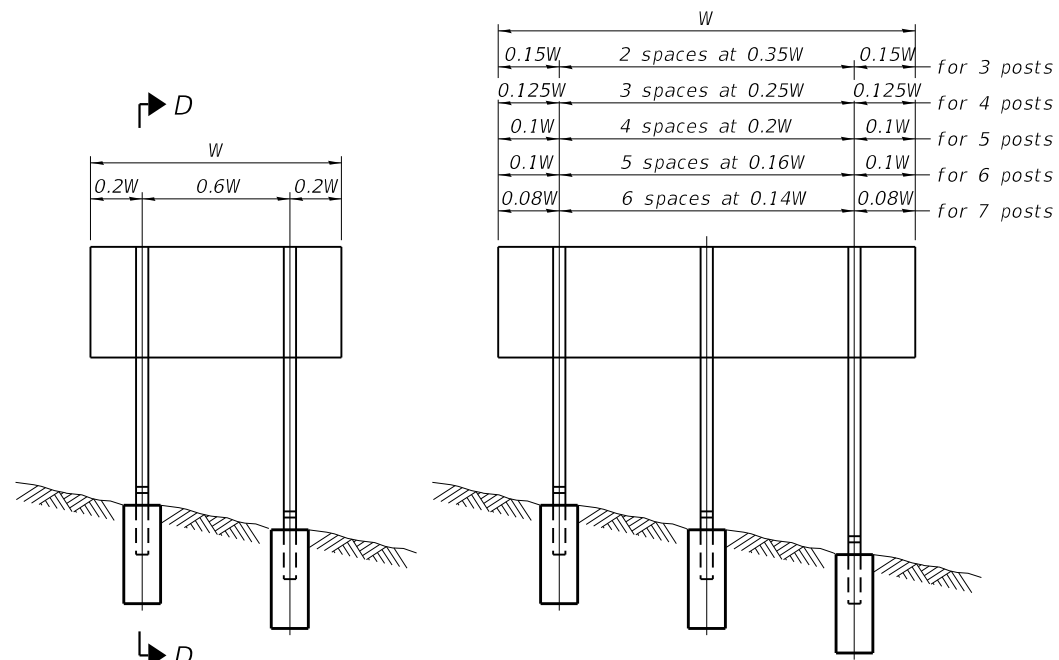
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

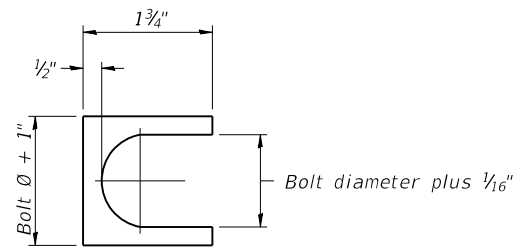
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	34
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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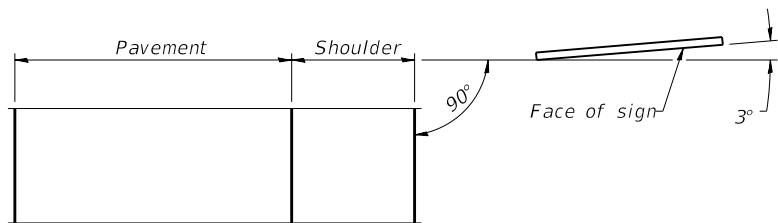
ELEVATION

0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

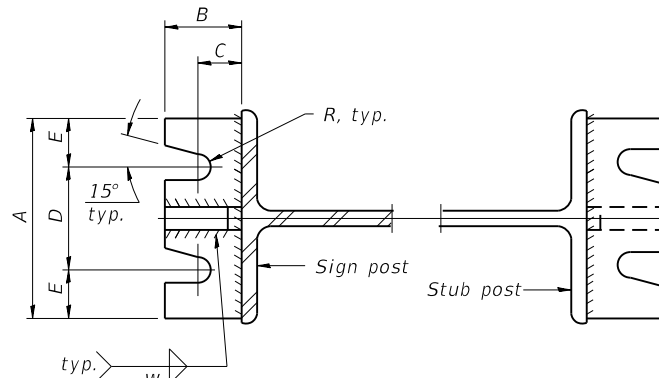


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.



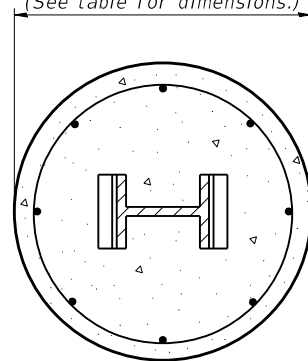
LOCATION SKETCH



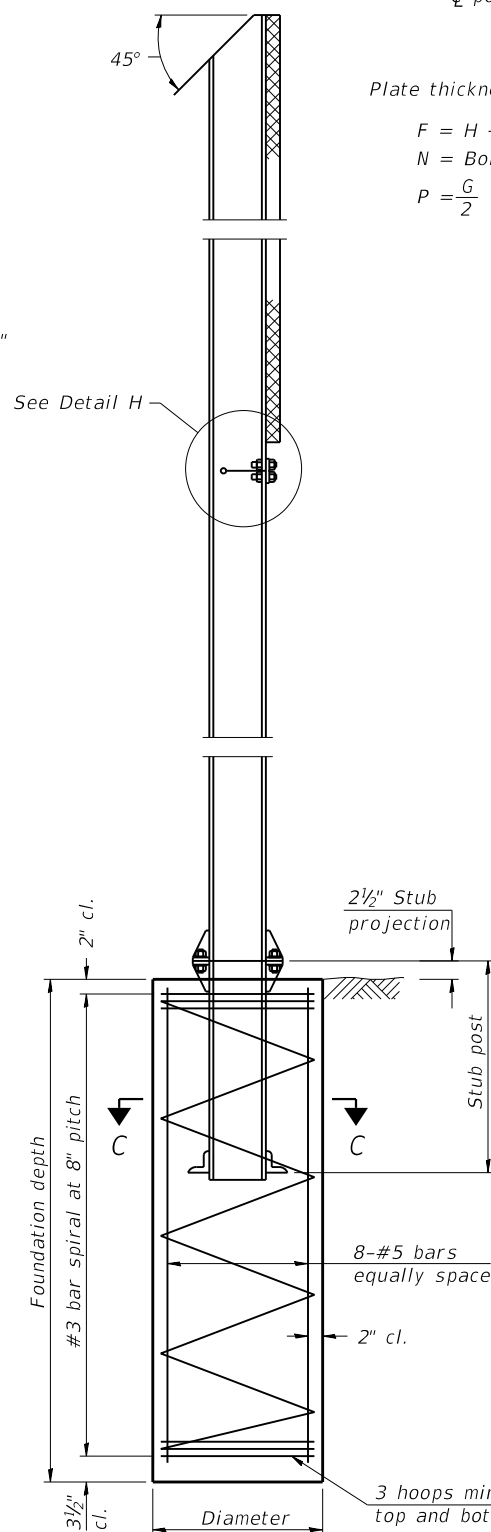
SECTION A-A

SECTION B-B

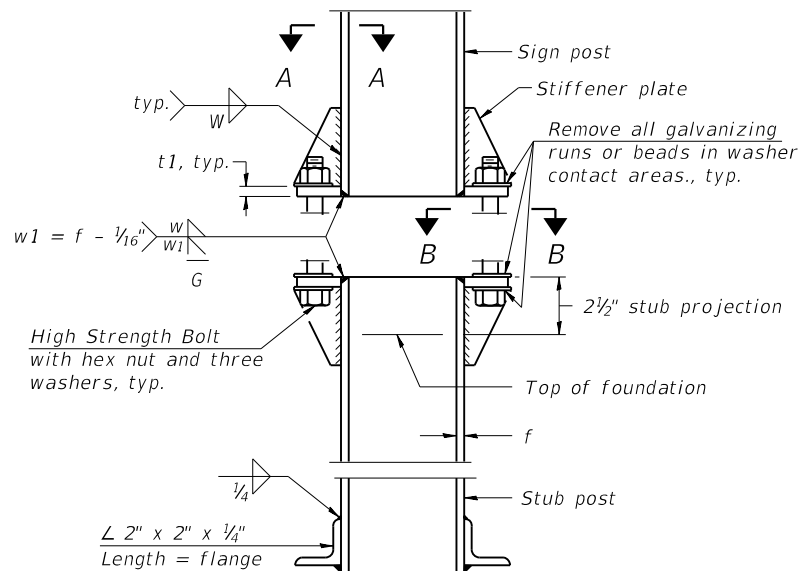
(See table for dimensions.)



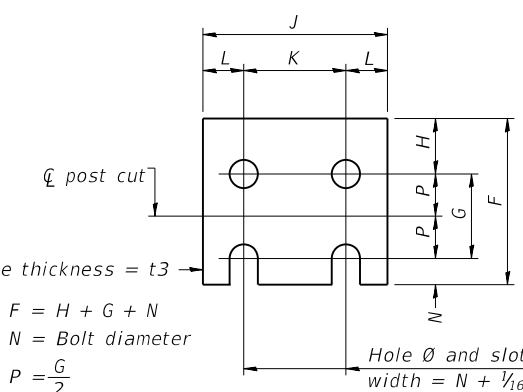
SECTION C-C



SECTION D-D

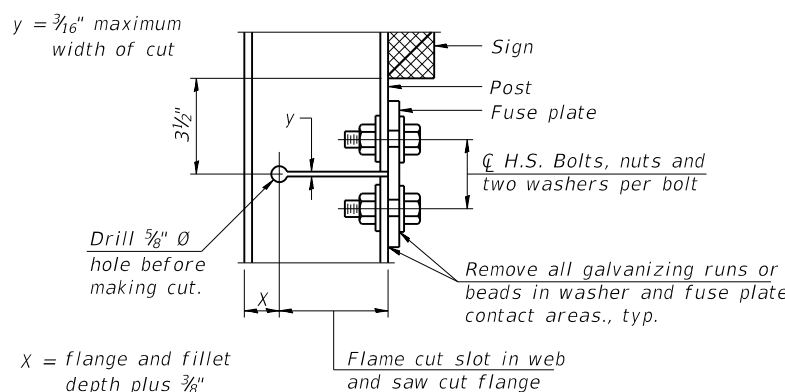


ELEVATION SIGN POST & STUB POST

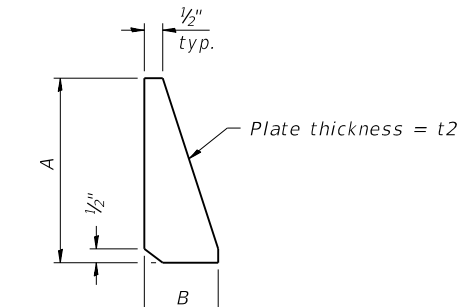


FUSE PLATE DETAIL (Install with notches down.)

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

(Sheet 1 of 2)

BAW-A-1

2-17-2017

USER NAME = pociechal	DESIGNED - BR / MDM	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - BAS / LP	REVISED -
PLOT DATE = 8/16/2018	CHECKED - HM	REVISED -
	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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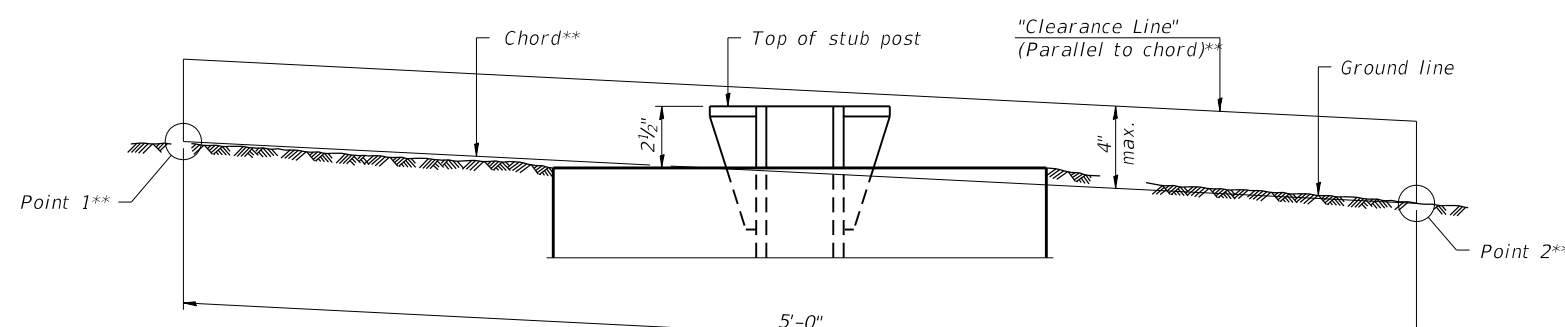
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS	87	35	
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA						
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L	t3	
	Diameter*	Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3 1/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	1 1/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	1 3/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	1 5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	1 7/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	—
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"



ELEVATION

GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2

2-17-2017

(Sheet 2 of 2)

USER NAME = pocielchal	DESIGNED - BR / MDM	REVISED -
DRAWN - BAS / LP	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - HM	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

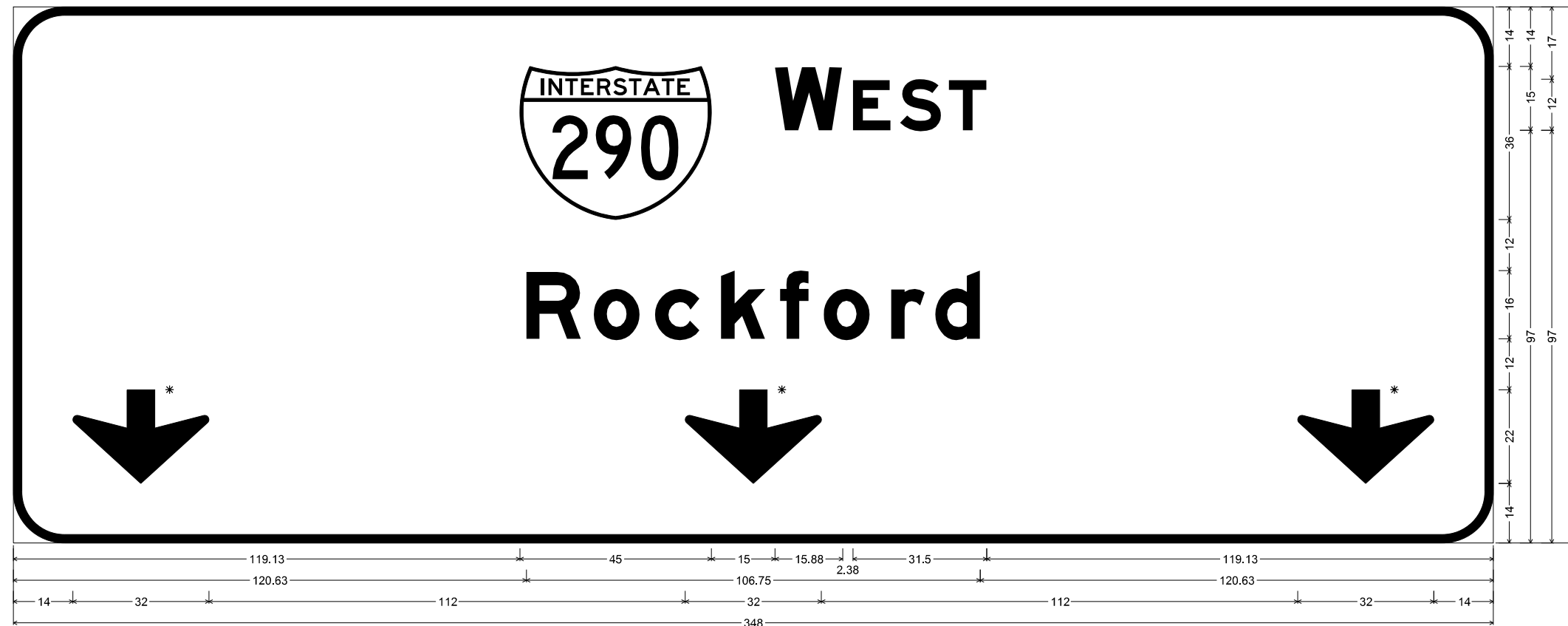
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	36
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S022I355R031.6-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	29' 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°; Down Arrow 22.00" 270°;
 Table of widths and spaces.

119.13	45.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	119.13														
120.63	R	13.00	2.88	o	10.88	3.50	c	10.50	5.00	k	10.63	3.25	f	6.75	3.50	o	10.88	5.00	r	8.00	2.38	d	10.63	120.63
14.00	32.00	112.00	32.00	112.00	32.00	14.00																		

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
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USER NAME = pociechal	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN LOCATION #B		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40.0000" / in.	DRAWN - BS	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	37
PLOT DATE = 8/16/2018	CHECKED - LP	REVISED -								CONTRACT NO. 46472
	DATE - 11/03/17	REVISED -					ILLINOIS	FED. AID PROJECT		

STRUCTURE NUMBER		1S022I355R031.6-000
LOCATION		EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	18.5' X 10.5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE: ZZ
		COLOR: YELLOW
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
		COLOR:



17.38 27.5 18 39.5 15 47.75 12 27.5 17.38

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

57.50	45.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	9.00	57.50														
61.75	C	12.88	4.50	h	10.63	6.38	i	3.13	5.00	c	10.63	3.50	a	10.50	5.00	g	10.50	5.00	o	10.88	61.75							
17.38	27.50	18.00	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	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
FILE: \\nas01\p01\B04E81D1NTEC\Illinois\gov\PIV\DOT\Documents\DOT_Offices\DI\erfct_1\Projects\I4660008\18\CAD\Drawn\Traffic\I4660008\18-ehc-ajm.dgn

USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

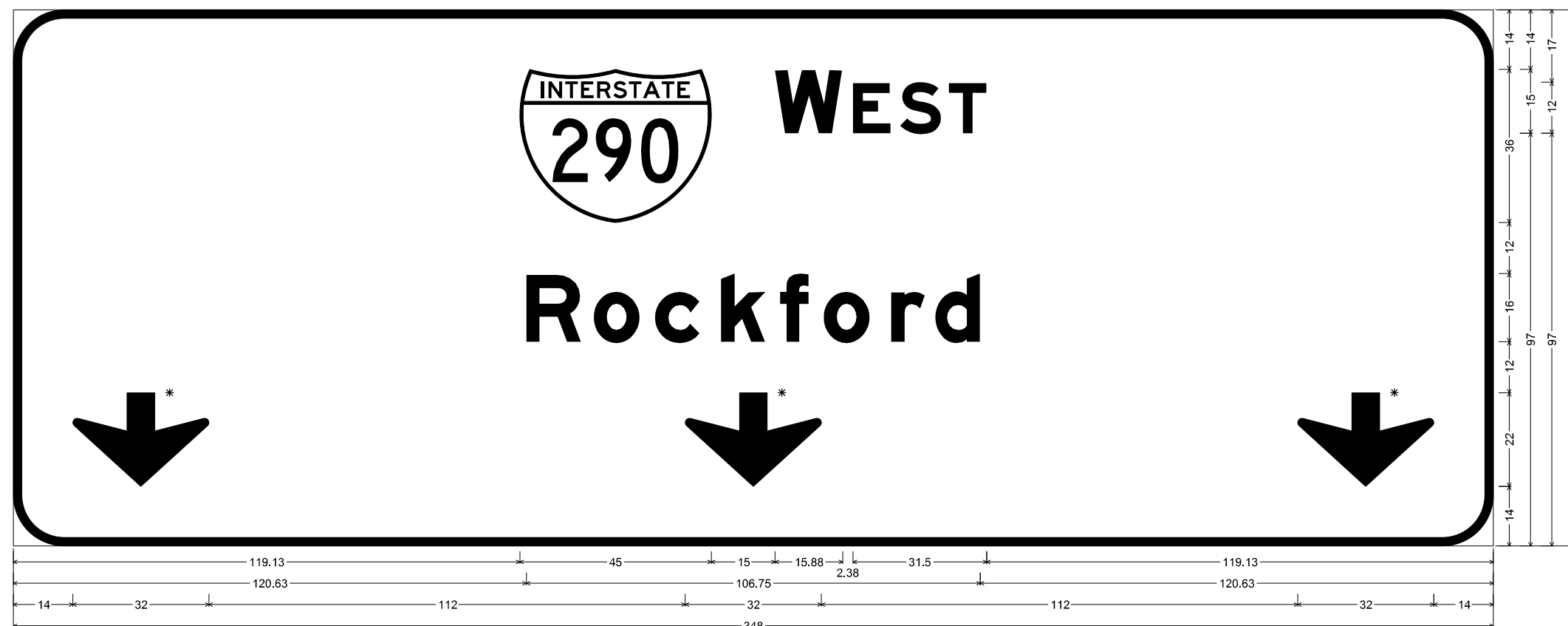
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
LOCATION #B

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS	87	38	
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S022I355R031.5-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	29' 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°; Down Arrow 22.00" 270°;
 Table of widths and spaces.

119.13	45.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	119.13														
120.63	R	13.00	2.88	o	10.88	3.50	c	10.50	5.00	k	10.63	3.25	f	6.75	3.50	o	10.88	5.00	r	8.00	2.38	d	10.63	120.63
14.00	32.00	112.00	32.00	112.00	32.00	14.00																		

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000" / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
 LOCATION #C

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	39
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S022I355R031.5-000
LOCATION		EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	18.5' X 10.5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE: ZZ
		COLOR: YELLOW
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
		COLOR:



12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Chicago] E Mod 2K;
12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
Down Arrow 22.00" 270°; [EXIT] E Mod 2K 140% spacing; [ONLY] E Mod 2K; Down Arrow 22.00" 270°;
Table of widths and spaces.

57.50	45.00	15.00	E	11.13	1.50	A	12.13	1.75	S	9.75	1.75	T	9.00	57.50														
61.75	C	12.88	4.50	h	10.63	6.38	i	3.13	5.00	c	10.63	3.50	a	10.50	5.00	g	10.50	5.00	o	10.88	61.75							
13.88	32.00	15.00	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	8.88	15.00	O	10.00	2.88	N	9.75	3.38	L	8.88	0.75	Y	12.13	13.00	32.00	13.88

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

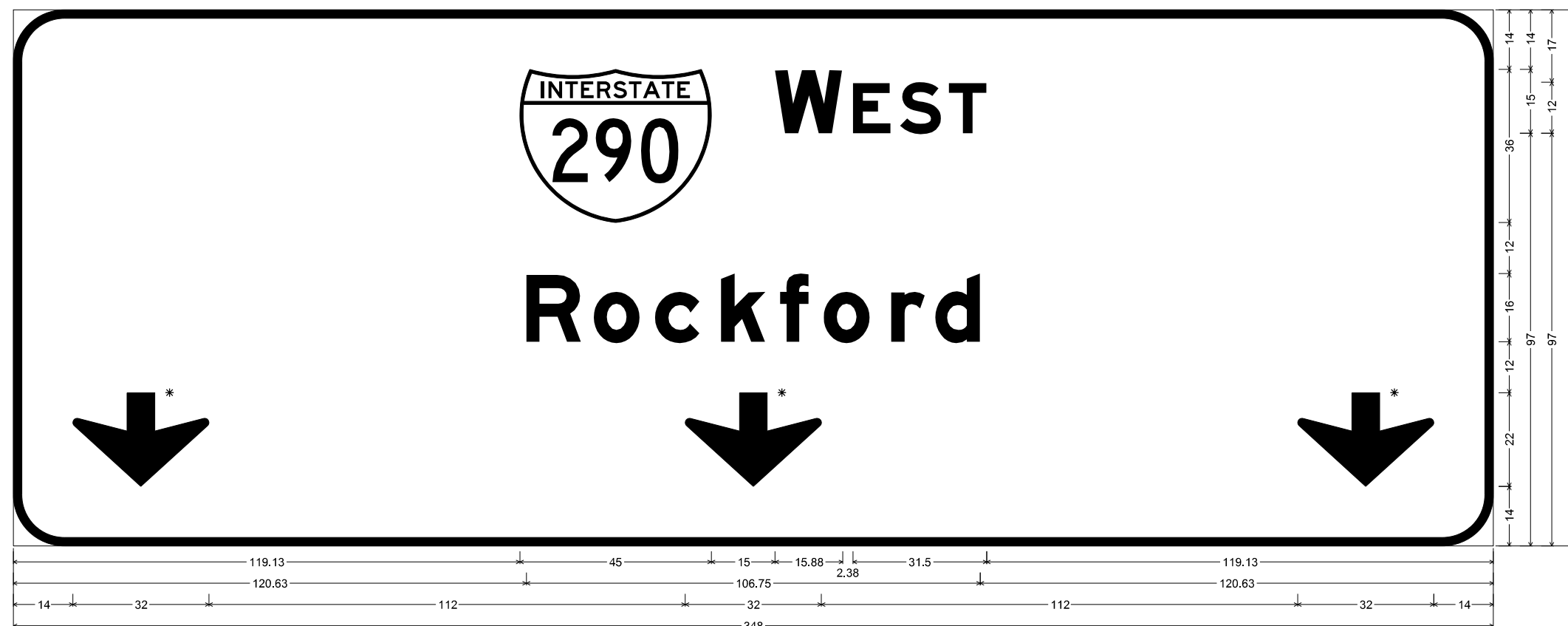
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
LOCATION #C

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS	87	40	
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S022I355R031.2-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	29' 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°; Down Arrow 22.00" 270°;
 Table of widths and spaces.

119.13	45.00	15.00	15.88	2.38	8.88	2.25	9.63	1.88	8.88	119.13														
120.63	R	13.00	2.88	o	10.88	3.50	c	10.50	5.00	k	10.63	3.25	f	6.75	3.50	o	10.88	5.00	r	8.00	2.38	d	10.63	120.63
14.00	32.00	112.00	32.00	112.00	32.00	14.00																		

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
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USER NAME = pociechal	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN LOCATION #D		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
DRAWN - BS	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	41
PLOT SCALE = 40.0000" / in.	CHECKED - LP	REVISED -		ILLINOIS		FED. AID PROJECT		CONTRACT NO. 46472				
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -										

STRUCTURE NUMBER		1S022I355R031.2-000
LOCATION		EXPRESSWAY
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	14.5' X 10.5'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE: ZZ
		COLOR: YELLOW
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
		COLOR:



13.88 39.5 15 32 12 47.75 13.88

12.00" Radius, 2.00" Border, White on Green;
[EAST] E Mod 2K; [Chicago] 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.

33.50	45.00	15.00	11.13	1.50	12.13	1.75	9.75	1.75	9.00	33.50								
37.75	12.88	4.50	10.63	6.38	3.13	5.00	10.63	3.50	10.50	5.00	10.50	5.00	10.88	37.75				
13.88	8.88	2.38	10.38	3.50	2.50	3.00	8.88	15.00	32.00	12.00	10.00	2.88	9.75	3.38	8.88	0.75	12.13	13.88

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

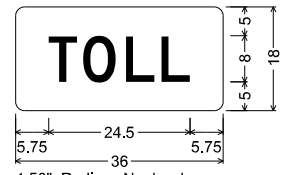
**SIGN PANEL DESIGN
LOCATION #D**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	42
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

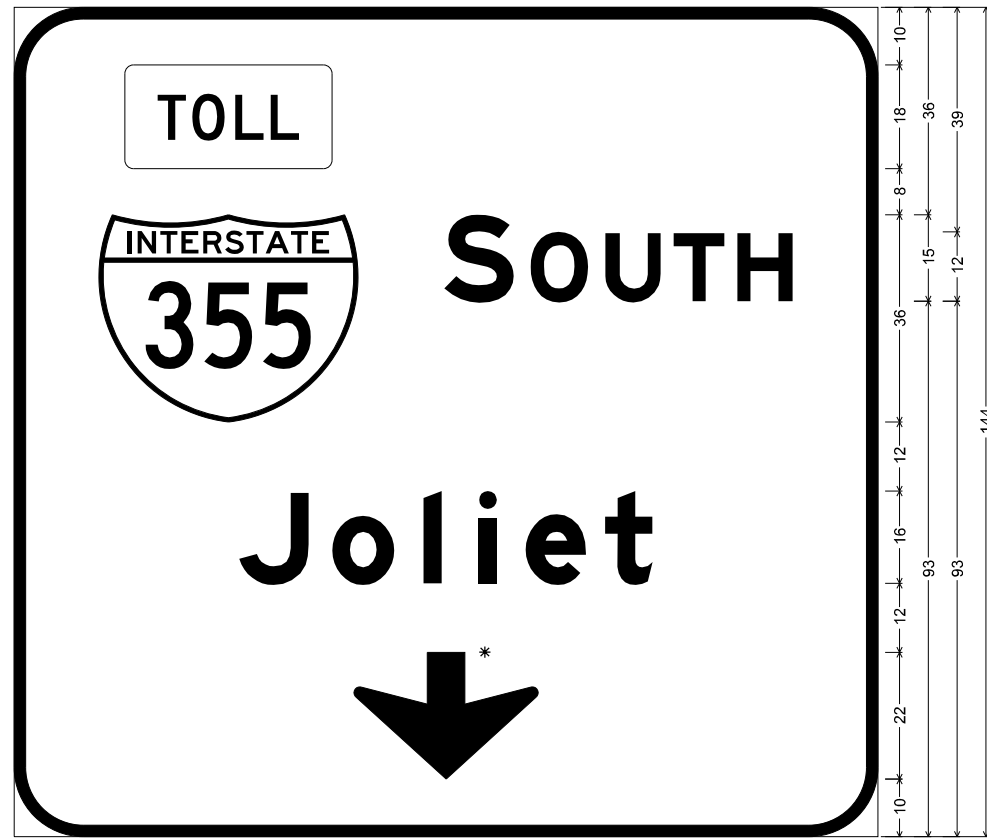
STRUCTURE NUMBER		1S0221355L031.7-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 13'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
LEGEND / BORDER	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S0221355L031.7-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12.5' X 12'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
LEGEND / BORDER	LEGEND / BORDER	TYPE:	
		COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



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
1.75	5.00	1.13	5.00
5.75			

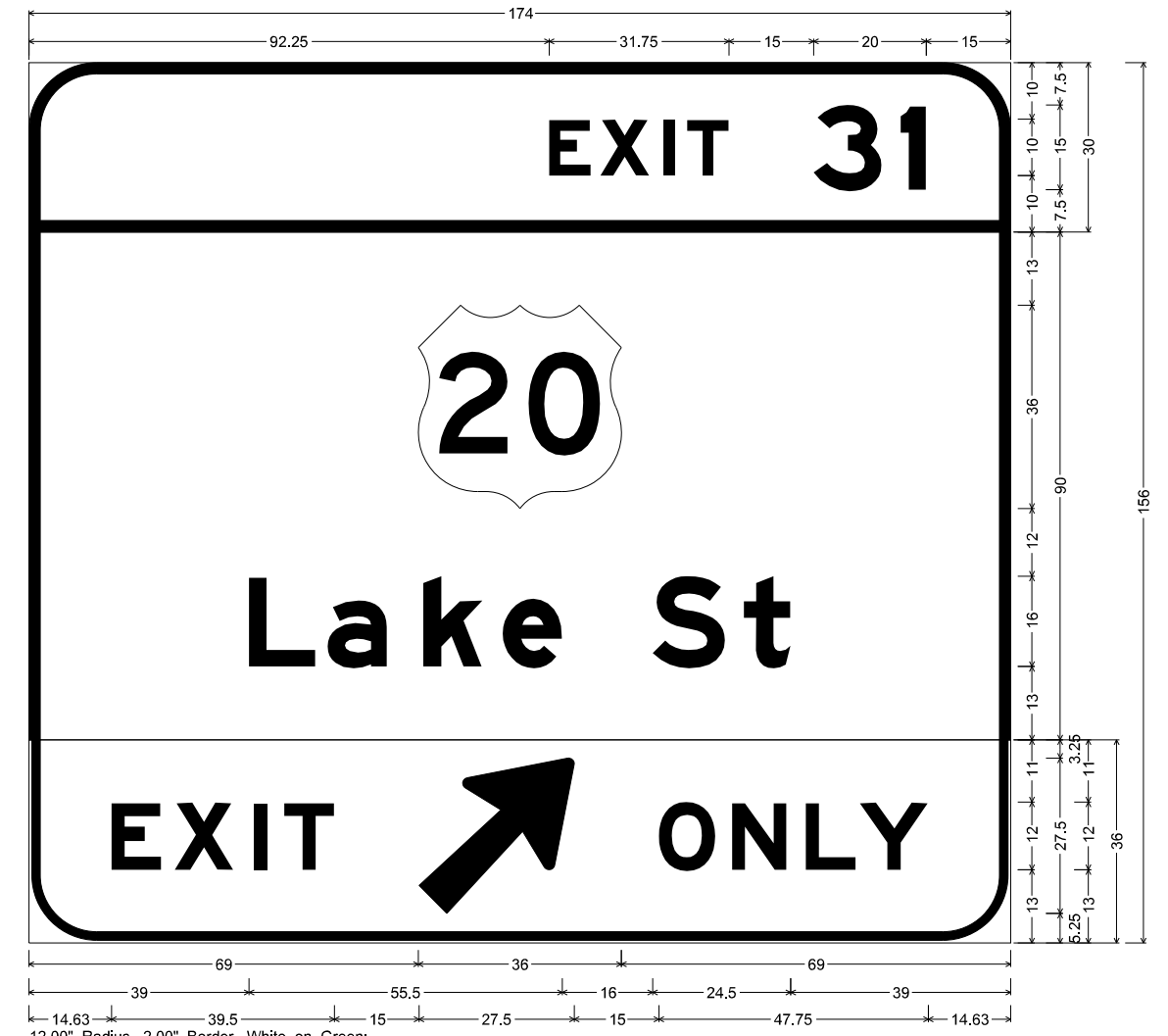


19.25	36	94.75				
14.75	45	15	12.13	2.88	45.5	14.75
39.13	71.75	39.13				
59	32	59				
150						

12.00" Radius, 2.00" Border, White on Green;
 Rounded Rectangle 1.50" Radius Yellow;
 [SOUTH] E Mod 2K; [Joliet] E Mod 2K; Down Arrow 22.00" 270°;
 Table of widths and spaces.

19.25	36.00	94.75																
14.75	45.00	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	14.75	
39.13	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	39.13
59.00	32.00	59.00																

* ARROWS SHALL BE DEMOUNTABLE



12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [31] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Lake St] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 [EXIT] E Mod 2K 140% spacing; Arrow 160 - 35.00" 45°; [ONLY] E Mod 2K;
 Table of widths and spaces.

92.25	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	3	12.13	3.38	I	4.50	15.00								
69.00	36.00	69.00																								
39.00	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	39.00								
14.63	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	8.88	15.00	27.50	15.00	O	10.00	3.00	N	9.63	3.38	L	8.88	0.75	Y	12.13	14.63

MODEL: Default
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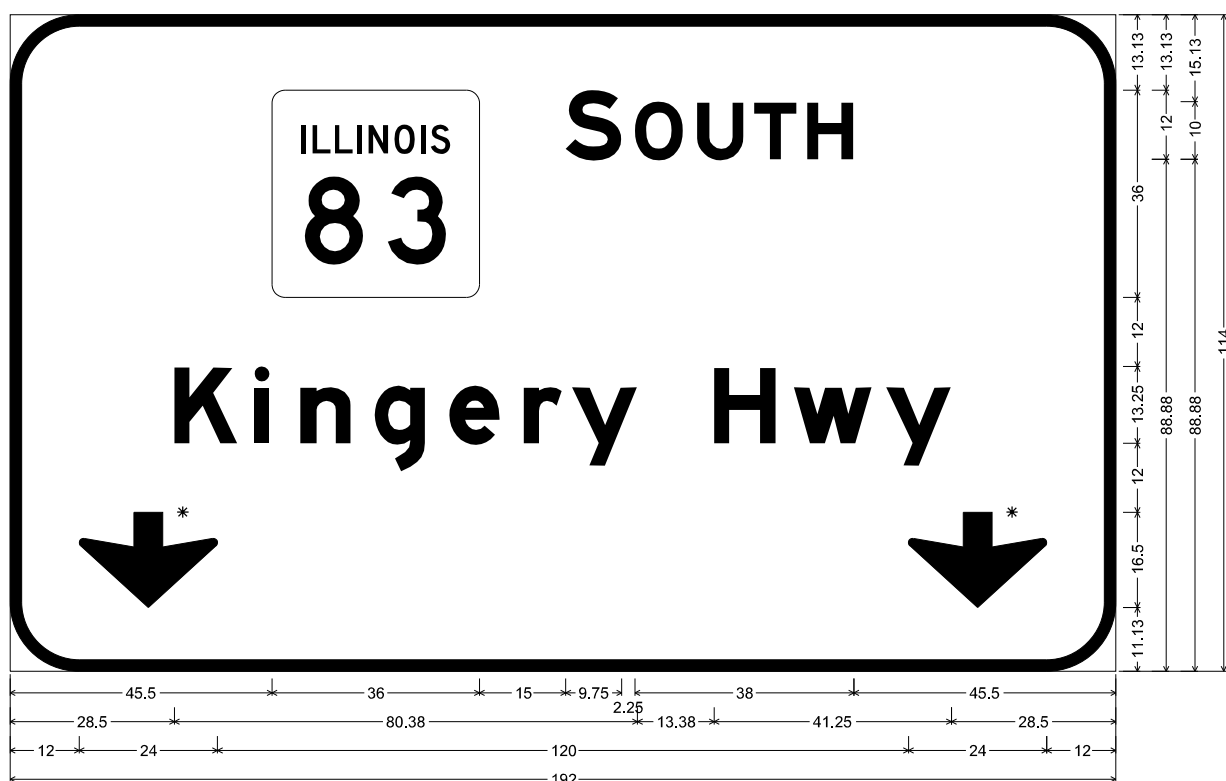
USER NAME = pociechal	DESIGNED - LP	REVISED -
DRAWN - BS	REVISED -	
PLOT SCALE = 40.0000 "/td> <td>CHECKED - LP</td> <td>REVISED -</td>	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN	
LOCATION #E	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL	18-34	VARIOUS	87	43
CONTRACT NO. 46472				
ILLINOIS	FED. AID PROJECT			

STRUCTURE NUMBER		1S022S083L000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 9.5'	
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
		TYPE:	
		COLOR:	



12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Kingery Hwy] E Mod 2K; Down Arrow Custom - 16.50" 270°; Down Arrow Custom - 16.50" 270°;
 Table of widths and spaces.

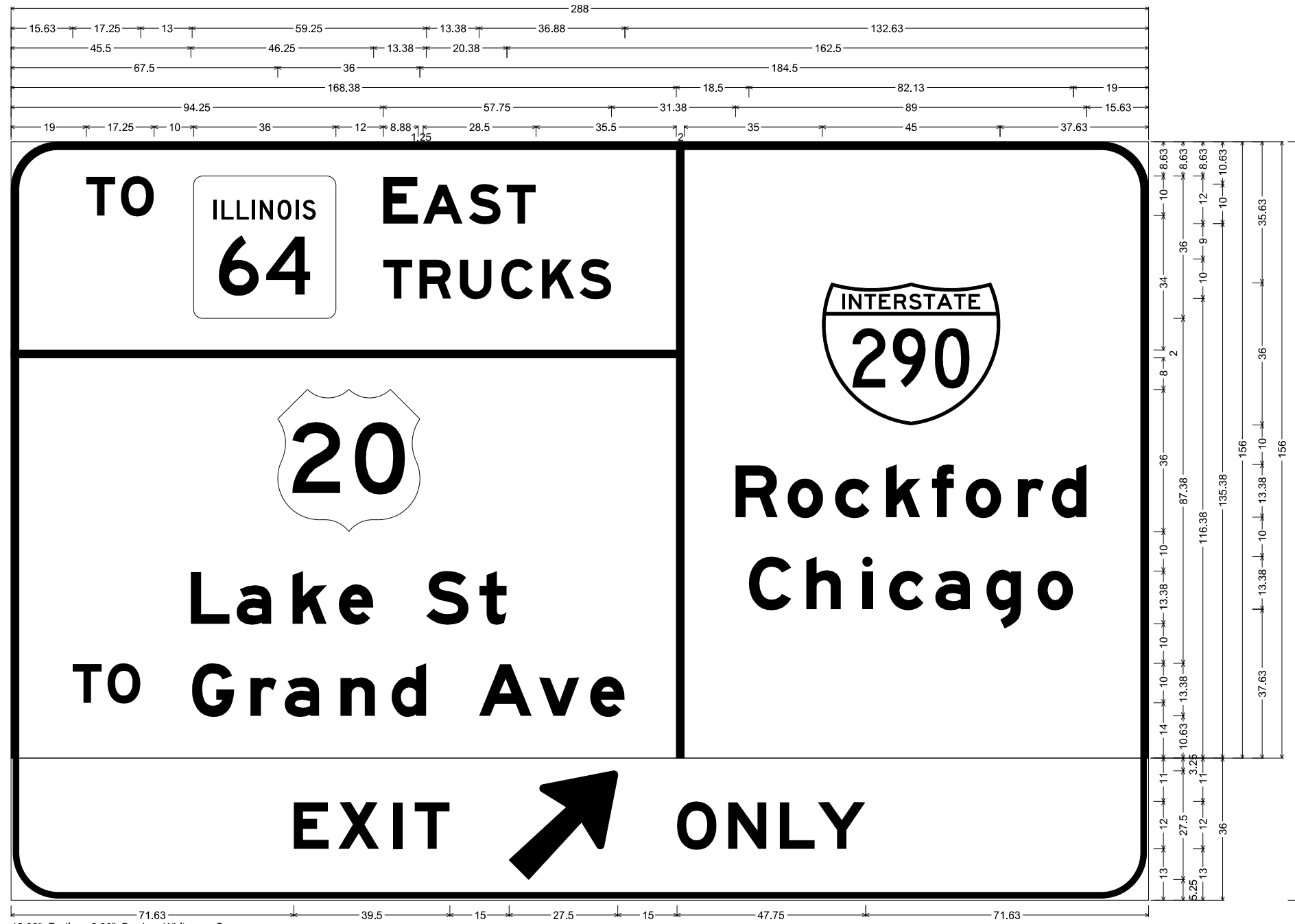
45.50	36.00	15.00	9.75	2.25	8.38	2.38	8.13	1.88	7.38	1.75	8.13	45.50																		
28.50	K	11.00	2.88	i	2.63	5.38	n	8.75	4.25	g	8.75	4.13	e	8.75	4.13	r	6.75	1.75	y	11.25	13.38	H	10.75	3.13	w	13.63	2.38	y	11.25	28.63
12.00	↓	24.00	120.00	↓	24.00	12.00																								

* ARROWS SHALL BE DEMOUNTABLE

MODEL: Default
FILE: \\nas01-pw01-08108\BIBID\NTEC\Illinois\gov\PIWDOT\Documents\DOT_Offices\BIBID\1\Projects\Illinois\18\CDDB\Traffic\Illinois\83-218-1\Illinois.dgn

USER NAME = poclechal DESIGNED - LP DRAWN - BS PLOT SCALE = 40.0000 "/>	DESIGNED - LP DRAWN - BS CHECKED - LP DATE - 11/03/17	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN LOCATION #P		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
						D-1 OVD SIN STR REPL 18-34	VARIOUS	87	44			
						CONTRACT NO. 46472						
PLOT DATE = 8/16/2018				SCALE:	SHEET OF SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			

STRUCTURE NUMBER		1S022S083L000.0-000
LOCATION		ARTERIAL
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	24' X 16'
MOUNTING / TYPE		OVERHEAD / TRUSS
MOUNTING LOC (L, M, R)		RIGHT
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE: ZZ
		COLOR: YELLOW
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
		COLOR:

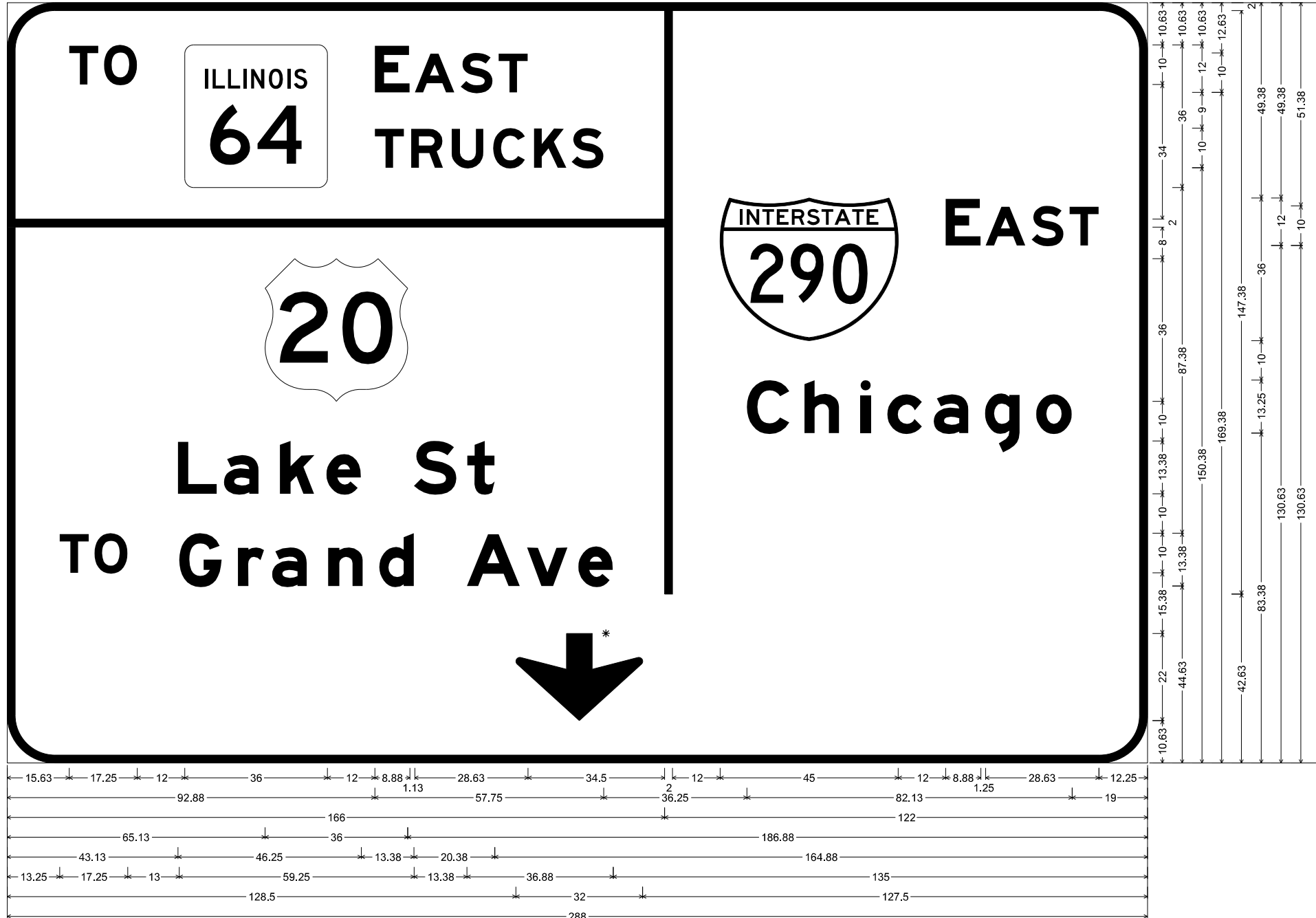


12.00" Radius, 2.00" Border, White on Green;
 [TO] E Mod 2K; [EAST] E Mod 2K; [TRUCKS] E Mod 2K; [Lake St] E Mod 2K; [TO] E Mod 2K; [Grand Ave] E Mod 2K; [Rockford] E Mod 2K; [Chicago] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 [EXIT] E Mod 2K 140% spacing; Arrow 160 - 35.00" 45°; [ONLY] E Mod 2K;
 Table of widths and spaces.

19.00	T	7.38	1.50	O	8.38	10.00	36.00	12.00	E	8.88	1.13	A	10.13	1.50	S	8.13	1.50	T	7.38	35.50	2.00	35.00	45.00	37.63											
94.25	T	7.38	1.75	R	8.13	2.13	8.13	2.38	C	8.13	2.13	K	8.25	1.25	S	8.13	31.38	R	10.88	2.38	9.00	3.00	c	4.13	8.75	2.88	5.63	2.88	9.13	4.13	6.63	2.00	8.75	15.63	
0.00		168.38	18.50	C	10.75	3.75	h	8.75	5.38	i	2.63	4.13	c	8.88	2.88	a	8.75	4.13	g	8.88	4.13	o	9.00	19.13											
67.50		36.00	184.50																																
45.50	L	9.88	1.75	a	8.75	5.38	k	8.75	3.00	e	8.75	13.38	S	10.75	2.75	t	6.88	162.50																	
15.63	T	7.38	1.38	O	8.50	13.00	G	10.75	4.00	r	6.63	2.00	a	8.88	5.25	n	8.88	4.13	d	8.75	13.38	A	13.38	1.75	v	10.25	2.75	e	8.75	132.63					
71.63	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	8.88	15.00	27.50	15.00	O	10.00	3.00	N	9.63	3.38	L	8.88	0.75	Y	12.13	71.63									

MODEL: Default
 FILE: \\p01ul08a\BID\NTEC\Illinois\p01ul08a\BID\DOT\Documents\1801\p01ul08a\Traffic\6000818-24-21\p01ul08a.dgn

USER NAME = pociechal	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN LOCATION #P		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - BS	REVISED -			D-1 OVD SIN STR REPL 18-34	VARIOUS	87	45			
PLOT SCALE = 40.0000' / in.	CHECKED - LP	REVISED -				CONTRACT NO. 46472				
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



12.00" Radius, 2.00" Border, White on Green;
 [TO] E Mod 2K; [EAST] E Mod 2K; [TRUCKS] E Mod 2K; [Lake St] E Mod 2K; [TO] E Mod 2K; [Grand Ave] E Mod 2K; [EAST] E Mod 2K; [Chicago] E Mod 2K; Down Arrow 22.00" 270°;

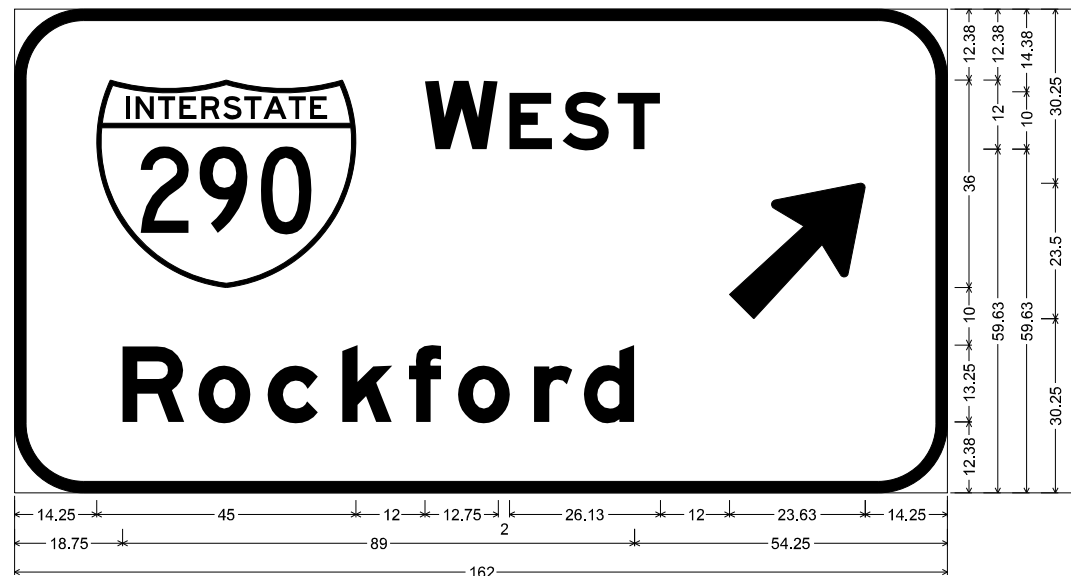
Table of widths and spaces.

15.63	T	7.38	1.50	O	8.38	12.00	①	36.00	12.00	E	8.88	1.13	A	10.13	1.50	S	8.13	1.50	T	7.38	34.50	I	2.00	12.00	②	45.00	12.00	E	8.88	1.25	A	10.13	1.50	S	8.00	1.50	T	7.50	12.25		
92.88	T	7.38	1.75	R	8.13	2.13	U	8.13	2.38	C	8.13	2.13	K	8.25	1.25	S	8.13	36.13	C	10.88	3.63	h	8.88	5.25	i	2.75	4.13	c	8.75	3.00	a	8.75	4.13	g	8.88	4.13	o	9.00	19.00		
0.00	166.00		122.00																																						
65.13	③ 36.00		186.88																																						
43.13	L	9.88	1.75	a	8.75	5.38	k	8.75	3.00	e	8.75	13.38	S	10.75	2.75	t	6.88	164.88																							
13.25	T	7.38	1.38	O	8.50	13.00	G	10.75	4.00	r	6.63	2.00	a	8.88	5.25	n	8.88	4.13	d	8.75	13.38	A	13.38	1.75	v	10.25	2.75	e	8.75	135.00											
128.50	④ 32.00		127.50																																						

STRUCTURE NUMBER		1S022S083L000.0-001	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	24' X 16'	
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:	

* ARROWS SHALL BE DEMOUNTABLE

STRUCTURE NUMBER		1S022S083L000.0-001	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 7'	
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;
 [WEST] E Mod 2K; [Rockford] E Mod 2K; Arrow 133 - 30.00" 45°;
 Table of widths and spaces.

14.25	45.00	12.00	12.75	2.00	7.38	1.75	8.13	1.50	7.38	12.00	23.63	14.25					
18.75	R	10.88	2.38	9.00	3.00	8.75	4.13	8.75	2.88	5.63	2.88	9.13	4.13	6.63	2.00	8.75	54.38

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USER NAME = poclechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

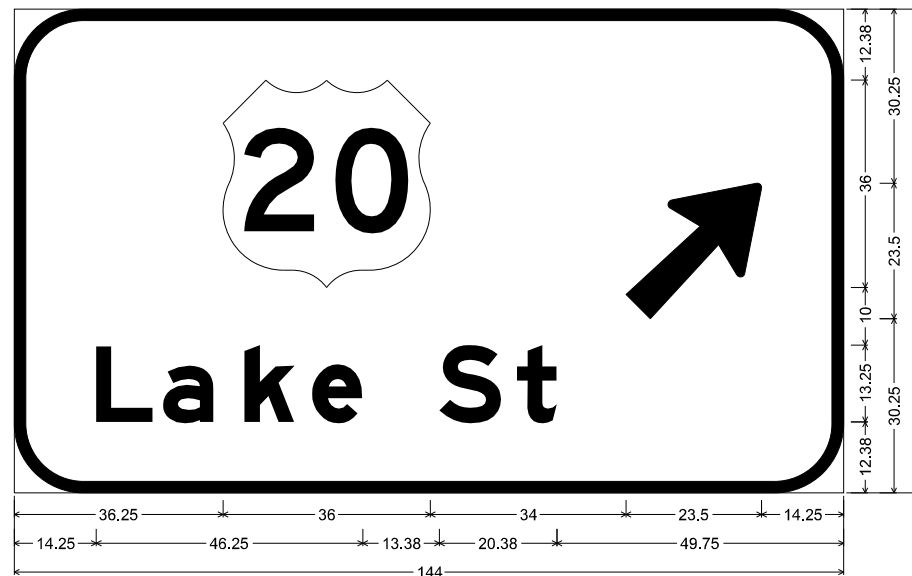
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGN PANEL DESIGN
 LOCATION #0**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	47
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1C022S083L000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12' X 7'	
MOUNTING / TYPE		OVERHEAD	
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;
 [Lake St] E Mod 2K; Arrow 133 - 30.00" 45°;
 Table of widths and spaces.

36.25	36.00	34.00	23.50	14.25
L	a	k	e	S
14.25	9.88	1.75	8.75	5.38
			8.75	2.88
			8.88	13.25
			10.88	2.63
			7.00	49.75

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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

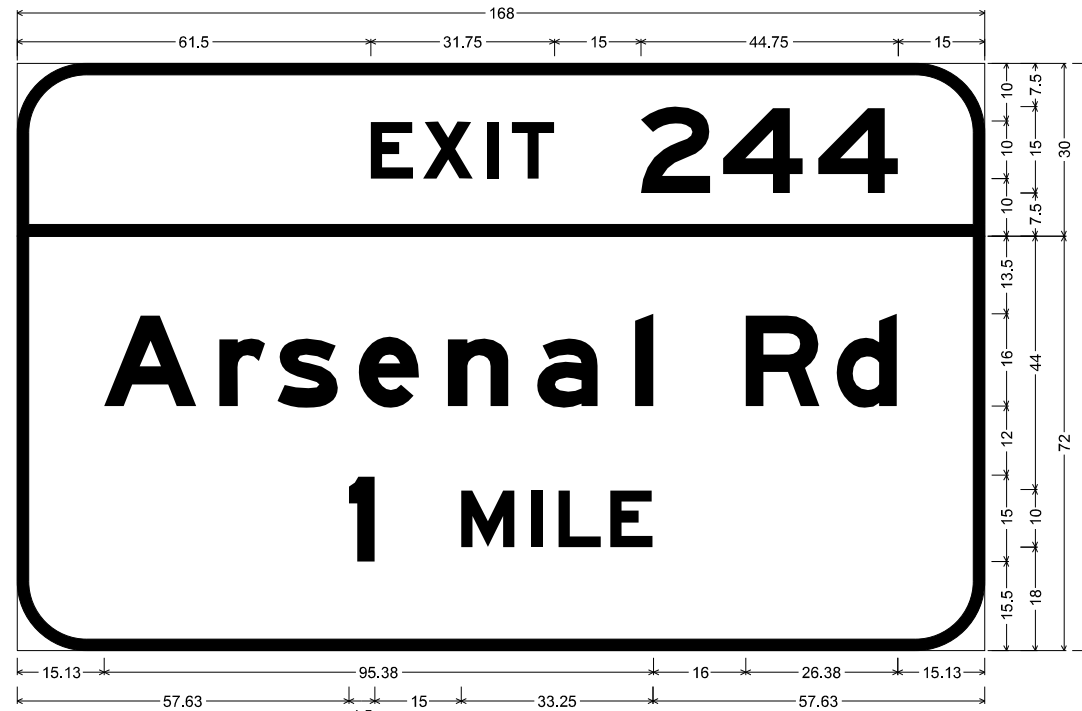
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGN PANEL DESIGN
 LOCATION #R**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	48
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C0991055L245.6-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 8.5'	
MOUNTING / TYPE		GROUND	
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; [244] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Arsenal Rd] E Mod 2K; [1] E Mod 2K; [MILE] E Mod 2K;
 Table of widths and spaces.

61.50	E	7.38	1.63	X	8.75	2.50	I	2.00	2.13	T	7.38	15.00	Z	12.13	2.13	4	14.00	2.50	4	14.00	15.00						
15.13	A	16.13	3.88	r	8.00	2.00	s	10.63	3.50	e	10.63	4.88	n	10.63	4.88	a	10.63	6.38	i	3.13	16.00	R	13.00	2.88	d	10.63	15.00
57.63	i	4.50	15.00	M	9.25	2.88	I	2.00	2.75	L	7.38	1.63	E	7.38	57.63												

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USER NAME = poclechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

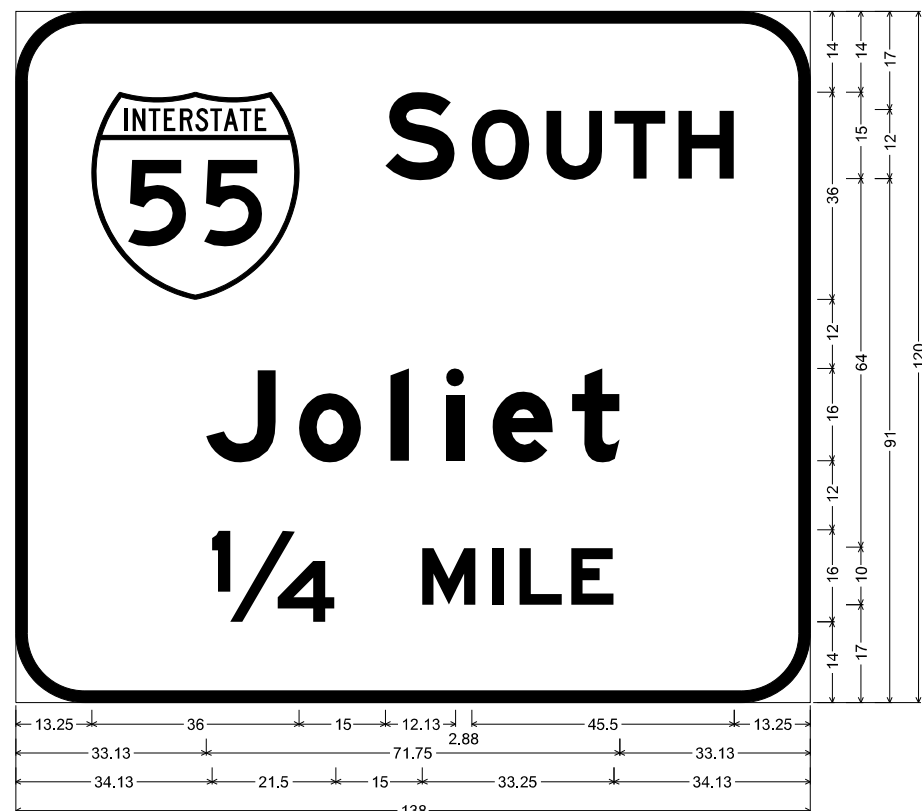
SIGN PANEL DESIGN
LOCATION #5

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	49
CONTRACT NO. 46472			ILLINOIS FED. AID PROJECT	

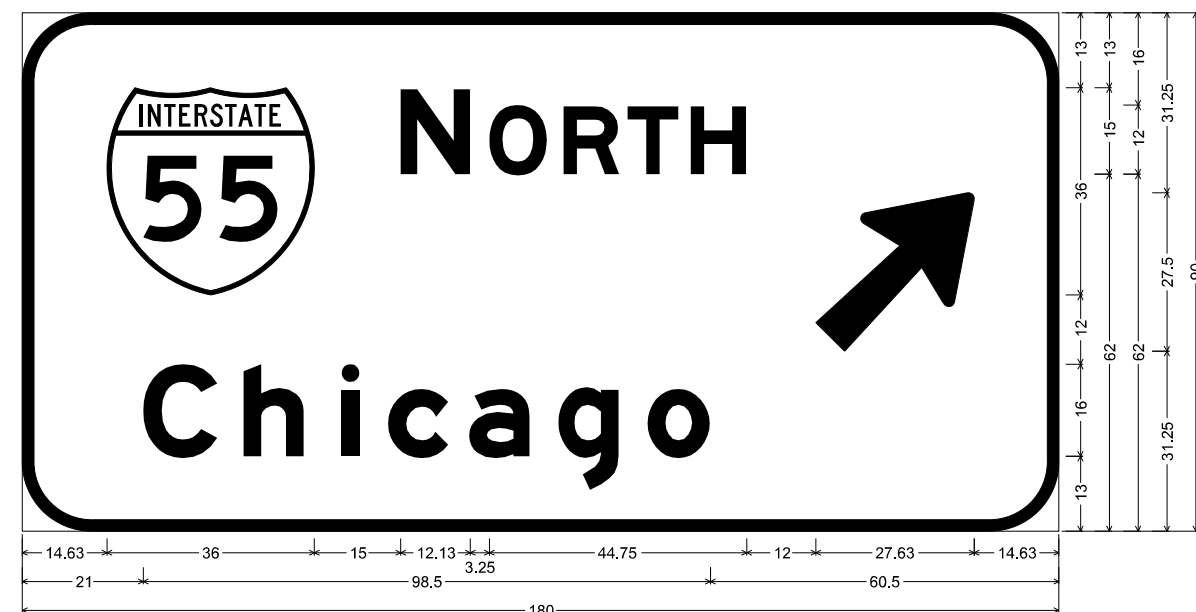
STRUCTURE NUMBER		1S0221055R274.6-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	11.5' X 10'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	

STRUCTURE NUMBER		1S0221055R274.6-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	15' X 7.5'	
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:	



12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [Joliet] E Mod 2K; [1/4] E Mod 2K; [MILE] E Mod 2K;
 Table of widths and spaces.

13.25	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	13.25	
33.13	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	33.13
34.13	1/4	21.50	15.00	M	9.25	2.75	I	2.00	2.88	L	7.38	1.63	E	7.38				34.13



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

14.63	36.00	15.00	N	12.13	3.25	O	10.13	2.88	R	9.75	1.25	T	8.88	2.25	H	9.63	12.00	27.50	14.75		
21.00	C	12.88	4.50	h	10.63	6.38	i	3.13	5.00	c	10.50	3.63	a	10.50	5.00	g	10.50	5.00	o	10.88	60.50

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USER NAME = poclechal	DESIGNED - LP	REVISED -
DRAWN - BS	REVISOR -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

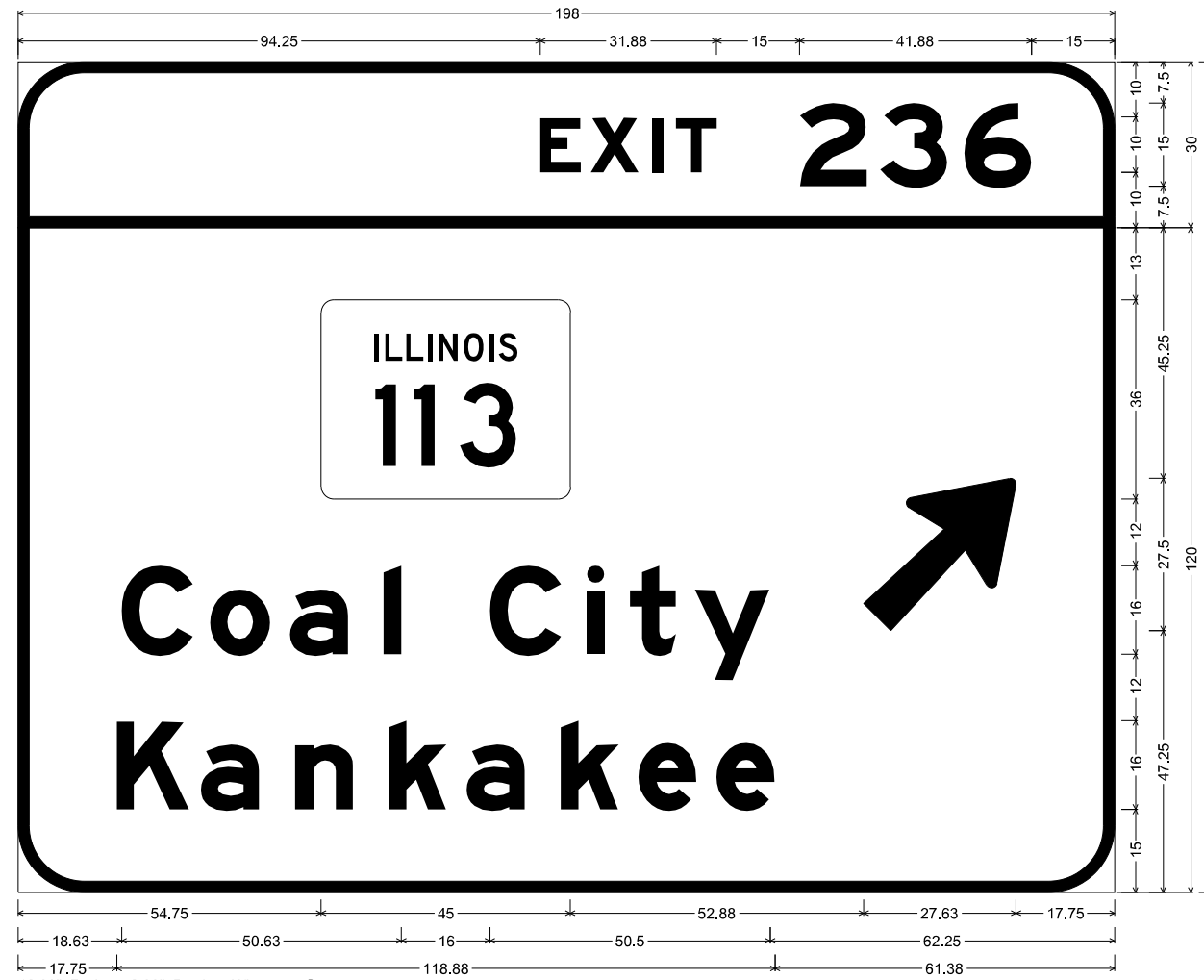
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
 LOCATION #6

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	50
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C0991055L236.0-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' X 12.5'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)		-	
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; [236] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Coal City] E Mod 2K; [Kankakee] E Mod 2K; Arrow 160 - 35.00° 45°;
 Table of widths and spaces.

94.25	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	3.00	6	12.13	15.00			
54.75	ILLINOIS	45.00	52.88	27.63	17.75																			
18.63	C	13.00	3.00	o	10.88	3.63	a	10.50	6.38	l	3.25	16.00	C	12.88	4.50	i	3.25	4.63	t	8.25	3.38	y	13.63	62.25
17.75	K	13.13	2.13	a	10.50	6.50	n	10.50	6.38	k	10.63	3.50	a	10.50	6.50	k	10.50	3.50	e	10.63	3.50	e	10.50	61.38

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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

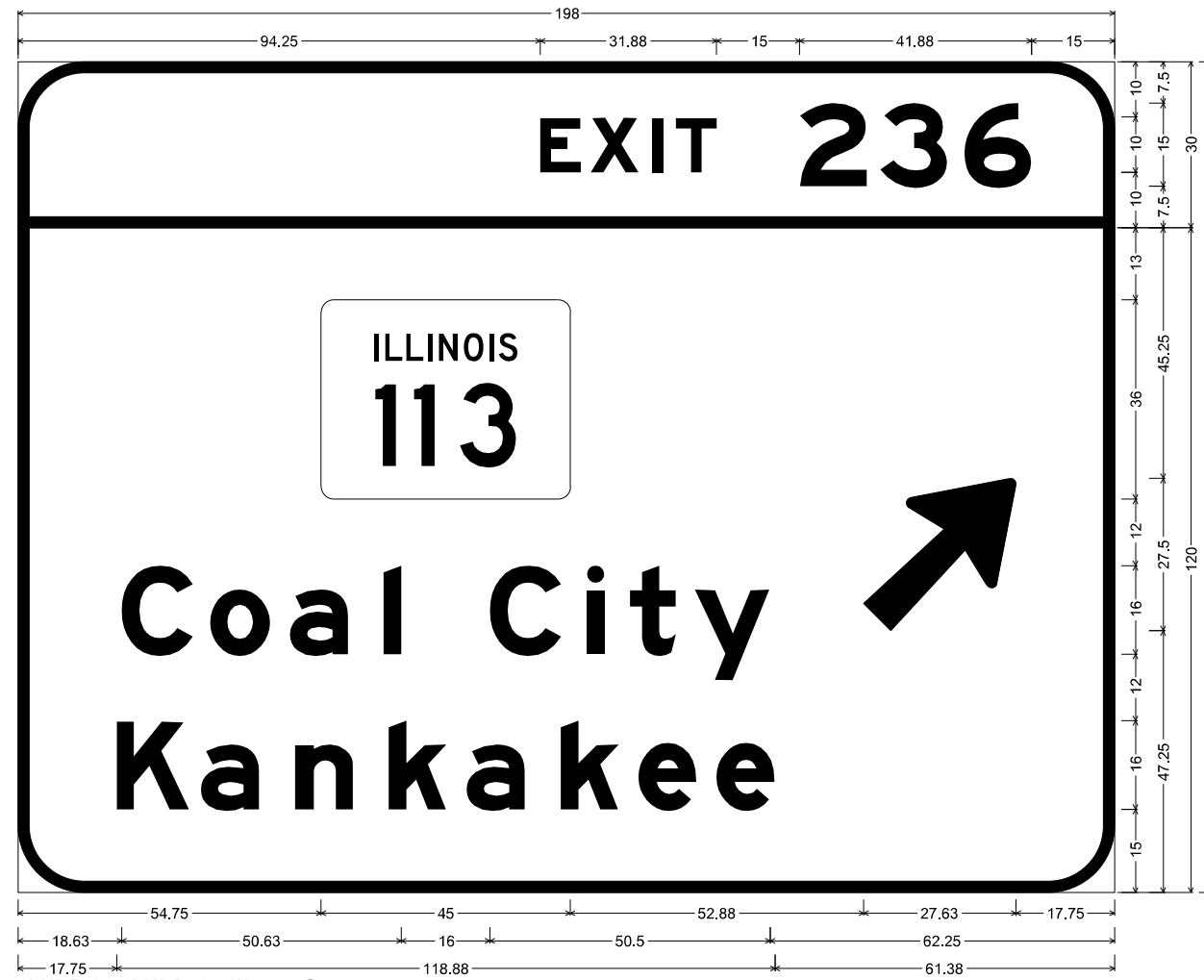
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
LOCATION #7

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	51
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1C0991055R235.5-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14' 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; [236] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [Coal City] E Mod 2K; [Kankakee] E Mod 2K; Arrow 160 - 35.00° 45°;
 Table of widths and spaces.

94.25	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	3.00	6	12.13	15.00			
54.75	113	45.00	52.88	27.63	17.75																			
18.63	C	13.00	3.00	o	10.88	3.63	a	10.50	6.38	l	3.25	16.00	C	12.88	4.50	i	3.25	4.63	t	8.25	3.38	y	13.63	62.25
17.75	K	13.13	2.13	a	10.50	6.50	n	10.50	6.38	k	10.63	3.50	a	10.50	6.50	k	10.50	3.50	e	10.63	3.50	e	10.50	61.38

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USER NAME = pociechal	DESIGNED - LP	REVISED -
DRAWN - BS	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

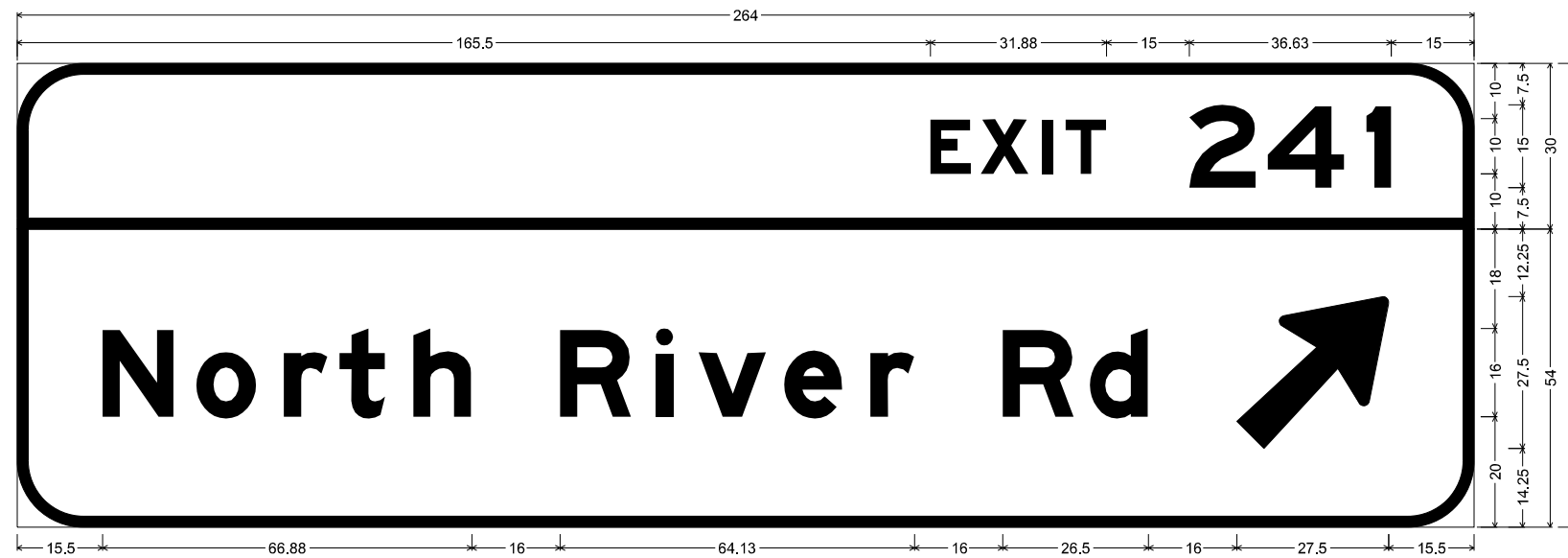
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
LOCATION #8

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS	87	52	
CONTRACT NO. 46472			ILLINOIS FED. AID PROJECT	

STRUCTURE NUMBER		1C0991055R241.0-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	22' X 7'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)		-	
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; [241] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [North River Rd] E Mod 2K; Arrow 160 - 35.00" 45°;

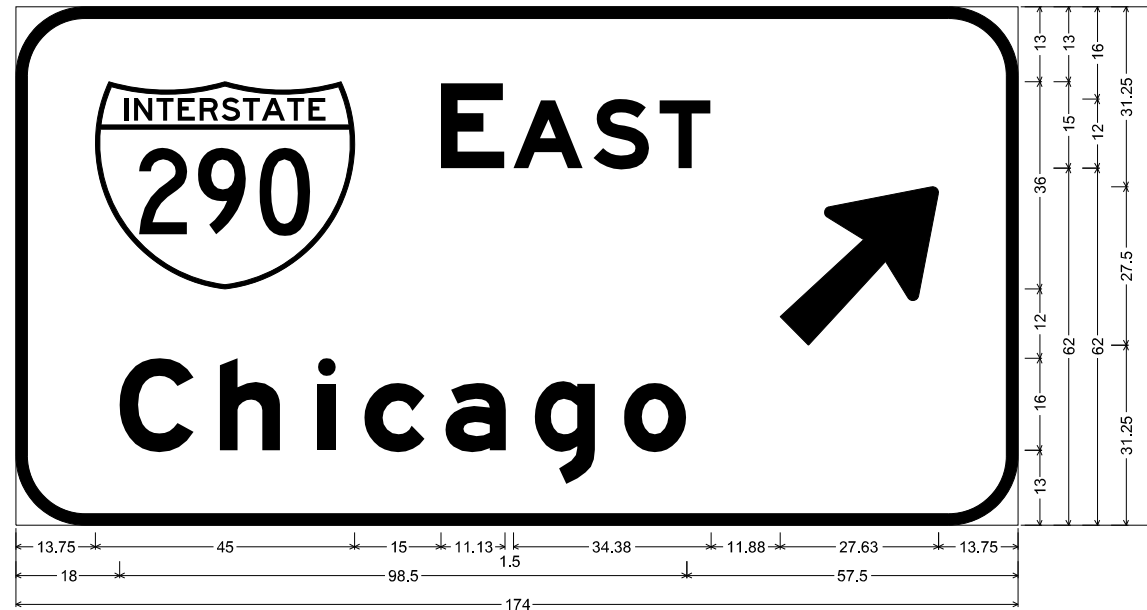
Table of widths and spaces.

165.50	E	7.50	1.63	X	8.75	2.50	2.00	2.13	T	7.38	15.00	z	12.13	2.13	4	14.00	3.88	i	4.50	15.00																			
15.50	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	R	13.00	4.25	i	3.25	4.63	v	12.38	3.13	e	10.63	4.88	r	8.00	16.00	R	13.00	2.88	d	10.50	16.00	↗	27.50	15.63

MODEL: Default
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USER NAME = pocielchal DESIGNED - LP DRAWN - BS PLOT SCALE = 40.0000 ' / in. PLOT DATE = 8/16/2018	DESIGNED - LP DRAWN - BS CHECKED - LP DATE - 11/03/17	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				LOCATION #9				D-1 OVD SIN STR REPL 18-34	VARIOUS	87	53	
				SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 46472				
								ILLINOIS	FED. AID PROJECT			

STRUCTURE NUMBER		1C022S064R000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 7.5'	
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; [Chicago] E Mod 2K; Arrow 160 - 35.00" 45°;
Table of widths and spaces.

13.75	45.00	15.00	11.13	1.50	12.13	1.75	9.75	1.75	8.88	12.00	27.63	13.75									
18.00	C	12.88	4.50	h	10.63	6.38	i	3.13	5.00	c	10.50	3.63	a	10.50	5.00	g	10.50	5.00	o	10.88	57.50

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USER NAME = poclechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

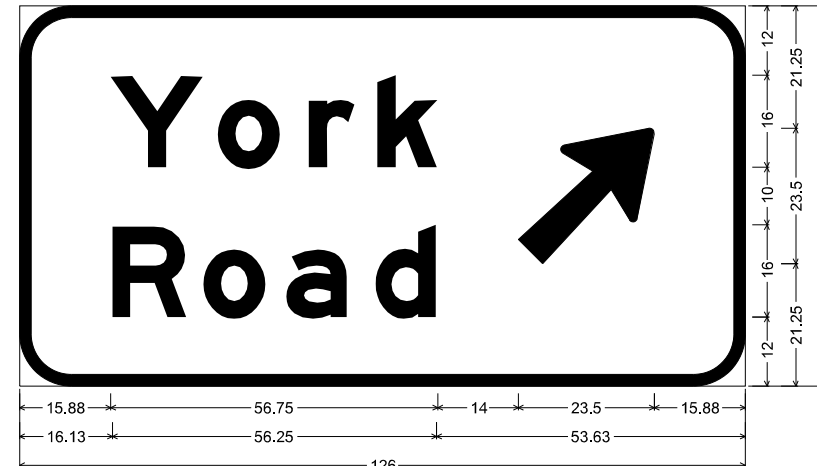
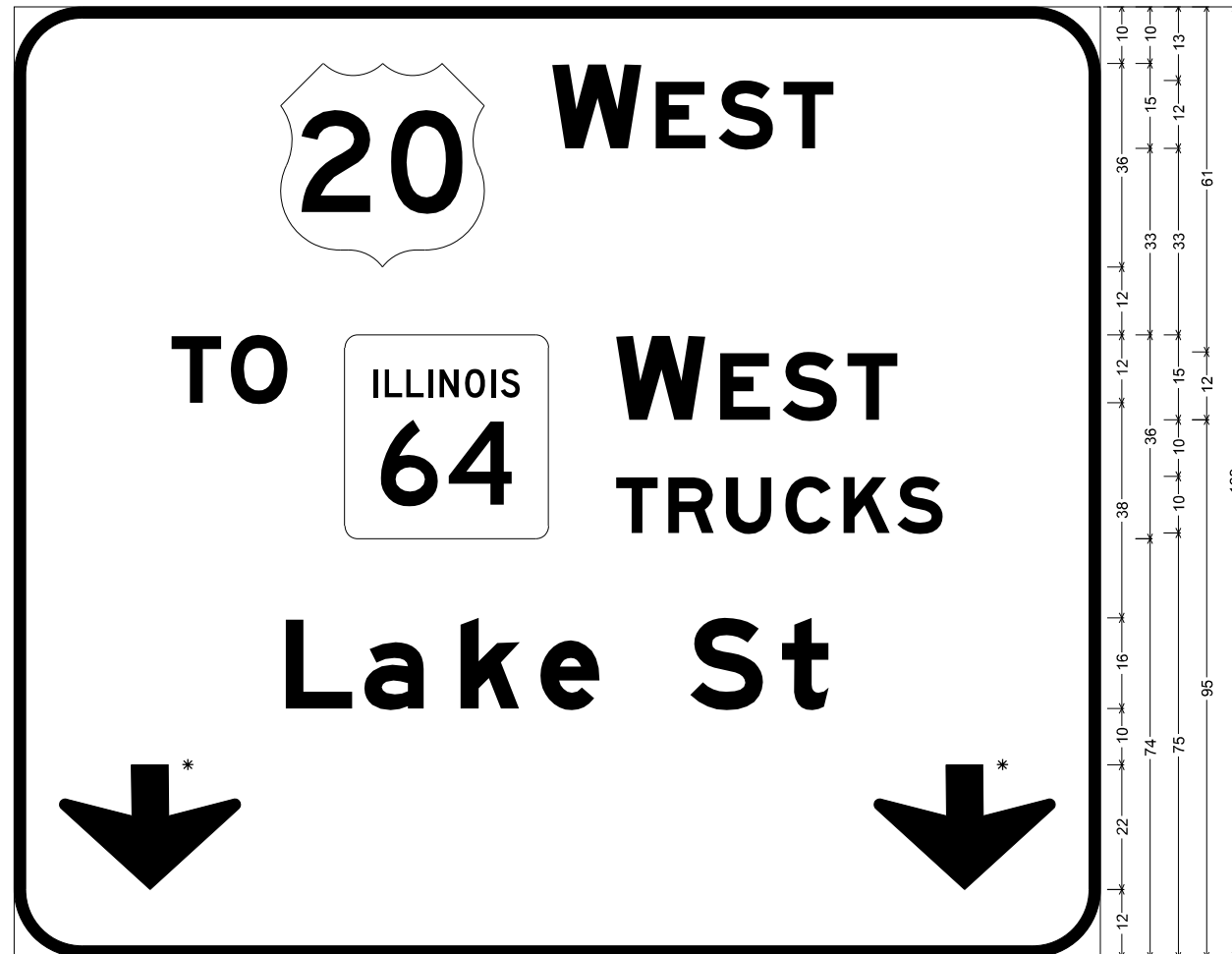
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN PANEL DESIGN LOCATION #10			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	54
CONTRACT NO. 46472				
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1S022I290L012.2-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	16' X 14'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		LEFT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
LEGEND / BORDER	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	

STRUCTURE NUMBER		1S022I290L012.2-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	9.5' X 5.5'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		RIGHT	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
LEGEND / BORDER	LEGEND / BORDER	TYPE:	ZZ
		COLOR:	WHITE
		TYPE:	
		COLOR:	



47.13	36	12	15.88	31.5	47.13			
27.75	20.63	10	36	12	16	2.38	31.38	35.88
106.38		57.88		27.75				
48	55.5	16	24.5	48				
8	32	112	32	8				
192								

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

15.88	16.13	2.38	10.88	5.00	8.00	3.75	10.63	14.00	23.50	15.88	
16.13	R	12.88	2.88	10.88	3.50	a	10.63	4.88	d	10.63	53.63

12.00" Radius, 2.00" Border, White on Green;
 [WEST] E Mod 2K; [TO] E Mod 2K; [WEST] E Mod 2K; [TRUCKS] E Mod 2K; [Lake St] E Mod 2K; Down Arrow 22.00" 270";
 Down Arrow 22.00" 270";

Table of widths and spaces.

47.13	36.00	12.00	W	15.88	2.38	E	8.88	2.25	S	9.63	1.88	T	8.88	47.13						
27.75	T	8.88	1.75	O	10.00	10.00	36.00	12.00	W	16.00	2.38	E	8.88	2.13	S	9.75	1.75	T	8.88	35.88
106.38	T	7.50	1.75	R	8.13	2.00	U	8.13	2.38	C	8.13	2.25	K	8.13	1.38	S	8.00	27.88		
48.00	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	48.00		
8.00	32.00	112.00	32.00	8.00																

* ARROWS SHALL BE DEMOUNTABLE

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PLOT DATE = 8/16/2018	CHECKED - LP	REVISED -
	DATE - 11/03/17	REVISED -

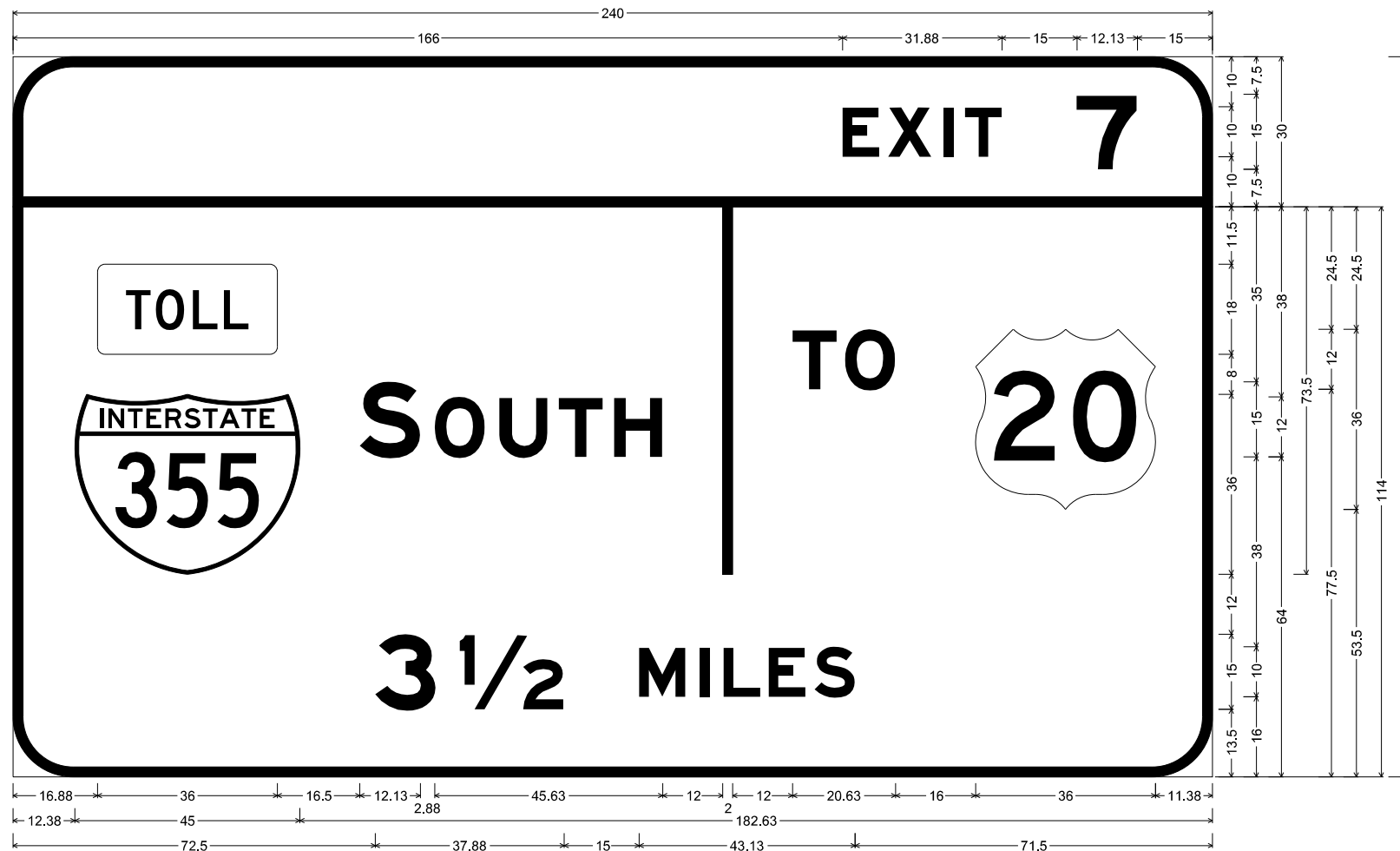
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN PANEL DESIGN
 LOCATION #11

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 18-34		ILLINOIS	87	55
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER		1S022I290L010.9-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	20' 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:	



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; [TO] E Mod 2K; [3½] E Mod 2K; [MILES] E Mod 2K;
 Table of widths and spaces.

166.00	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
16.88	□	36.00	16.50	S	12.13	2.88	O	10.13	2.88	U	9.63	2.13	T	8.88	2.25
12.38	⊕	45.00	182.63							H	9.63	12.00	I	2.00	12.00
72.50	3	12.13	4.75	½	21.00	15.00	M	9.25	2.75	I	2.00	2.88	L	7.38	1.63
										E	7.38	1.75	S	8.13	71.50

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	DRAWN - BS	REVISED -
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PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

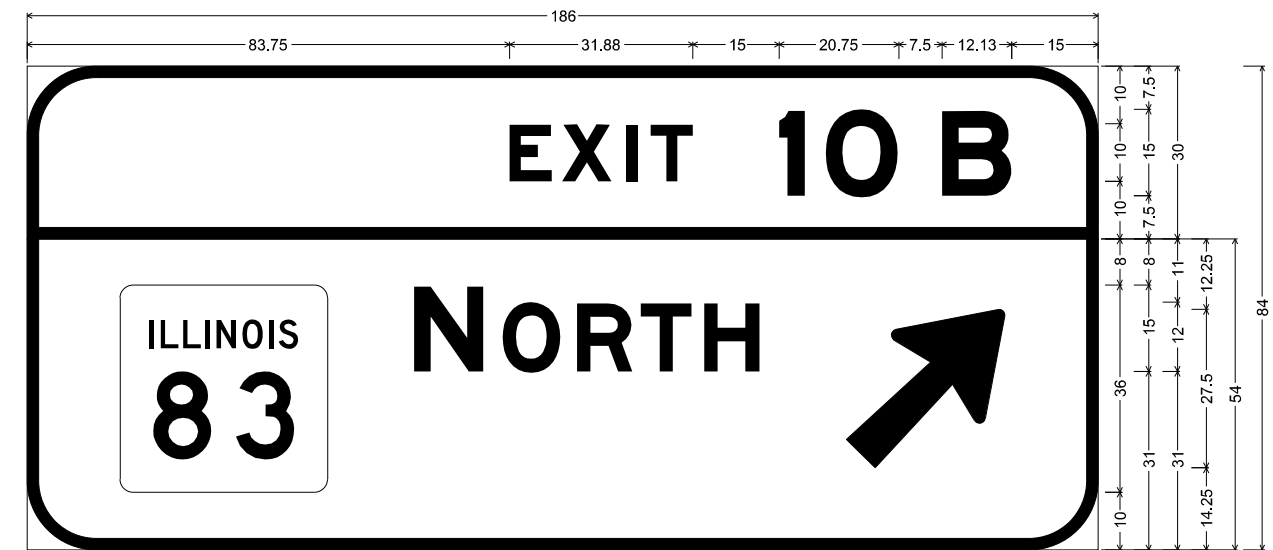
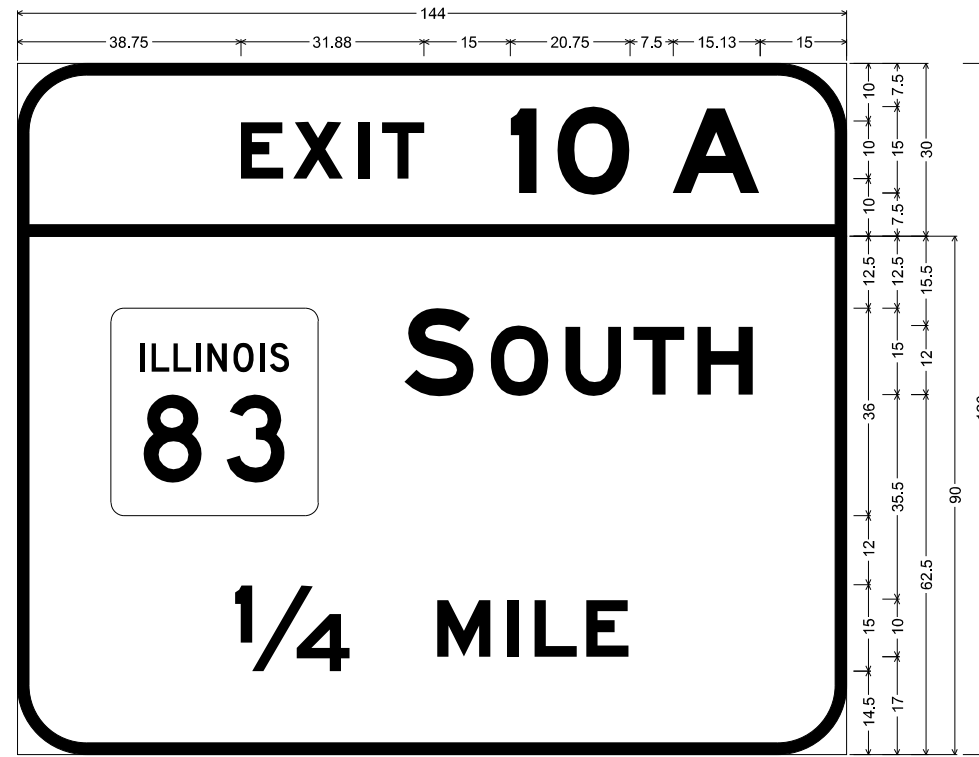
**SIGN PANEL DESIGN
LOCATION #12**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	56
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1S022I290L010.9-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12' X 10'	
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:		

STRUCTURE NUMBER		1S022I290L010.9-000	
LOCATION		EXPRESSWAY	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	15.5' X 7'	
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; [10] E Mod 2K; [A] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [SOUTH] E Mod 2K; [1/4] E Mod 2K; [MILE] E Mod 2K;
 Table of widths and spaces.

38.75	E	7.50	1.63	X	8.75	2.50	2.00	2.13	T	7.38	15.00	4.50	3.63	O	12.63	7.50	A	15.13	15.00
16.25	U	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	
37.75	1/4	20.13	15.00	M	9.38	2.75	I	2.00	2.75	L	7.50	1.50	E	7.50	37.75				

12.00" Radius, 2.00" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [10] E Mod 2K; [B] E Mod 2K;
 12.00" Radius, 2.00" Border, White on Green;
 [NORTH] E Mod 2K; Arrow 160 - 35.00" 45";
 Table of widths and spaces.

83.75	E	7.50	1.63	X	8.75	2.50	2.00	2.13	T	7.38	15.00	4.50	3.63	O	12.63	7.50	B	12.13	15.00	
16.13	U	36.00	15.00	N	12.13	3.25	O	10.13	2.88	R	9.75	1.25	T	8.88	2.25	H	9.63	15.00	27.50	16.25

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	DRAWN - BS	REVISED -
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PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

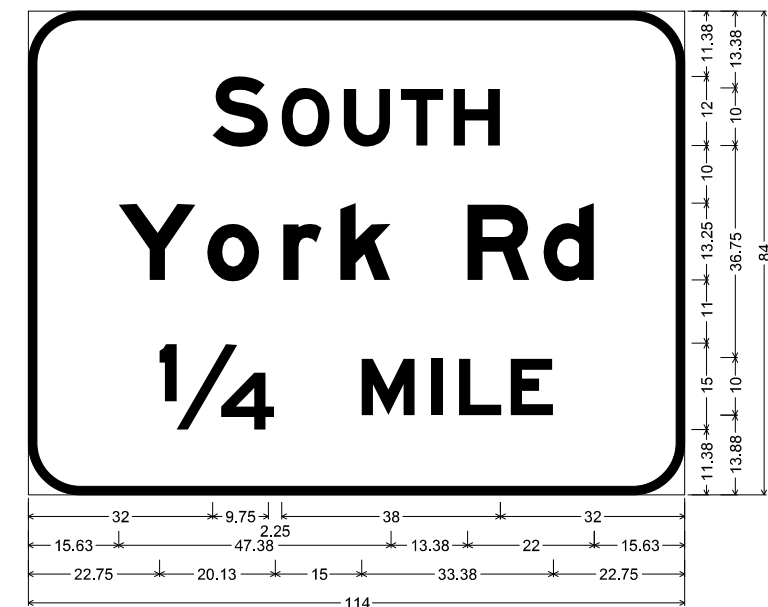
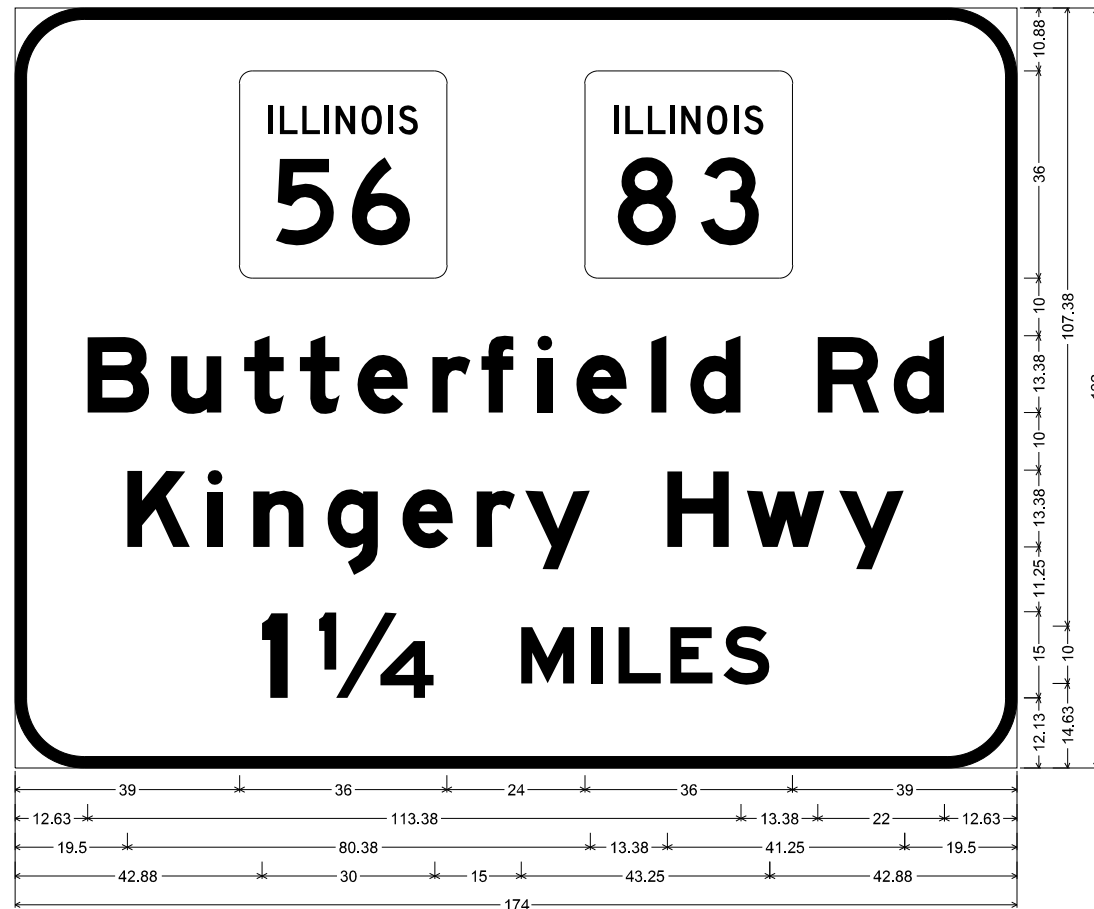
**SIGN PANEL DESIGN
LOCATION #12**

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 18-34	VARIOUS	87	57
			CONTRACT NO. 46472	
		ILLINOIS	FED. AID PROJECT	

STRUCTURE NUMBER		1S022S038L000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	14.5' X 11'	
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		1S022S038L000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	9.5' X 7'	
MOUNTING / TYPE		OVERHEAD / TRUSS	
MOUNTING LOC (L, M, R)		MIDDLE	
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;
 [Butterfield Rd] E Mod 2K; [Kingery Hwy] E Mod 2K; [1/4] E Mod 2K; [MILES] E Mod 2K;
 Table of widths and spaces.

39.00	36.00	24.00	36.00	39.00
12.63	3.75	8.75	3.88	7.00
13.38	10.75	2.38	8.88	12.50
19.50	11.00	2.88	2.63	5.38
42.88	4.50	5.38	20.13	15.00

9.00" Radius, 1.50" Border, White on Green;
 [SOUTH] E Mod 2K; [York Rd] E Mod 2K; [1/4] E Mod 2K; [MILE] E Mod 2K;
 Table of widths and spaces.

32.00	9.75	2.25	8.38	2.38	8.13	1.88	7.38	1.75	8.13	32.00
15.63	13.50	2.00	9.13	4.13	6.63	3.13	8.88	13.25	10.88	2.38
22.75	20.13	15.00	9.38	2.75	2.00	2.75	7.50	1.50	7.50	22.75

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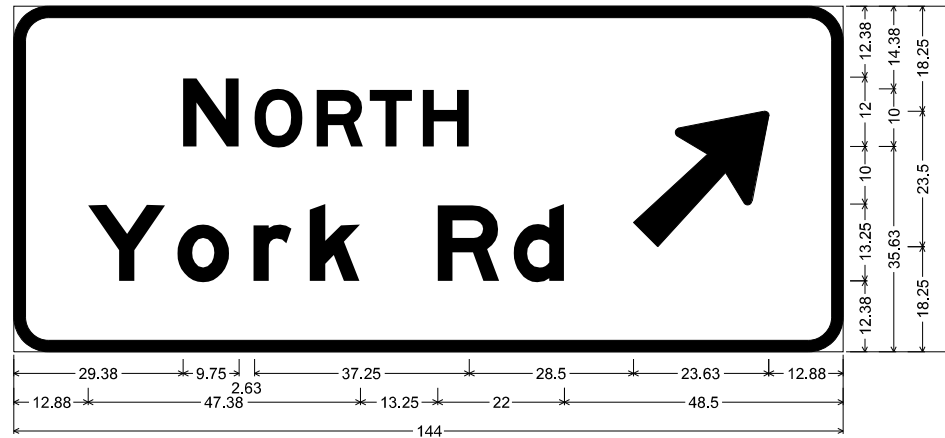
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN PANEL DESIGN
LOCATION #14**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	58
				CONTRACT NO. 46472
				ILLINOIS FED. AID PROJECT

STRUCTURE NUMBER		1S022S038L000.0-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	12' X 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



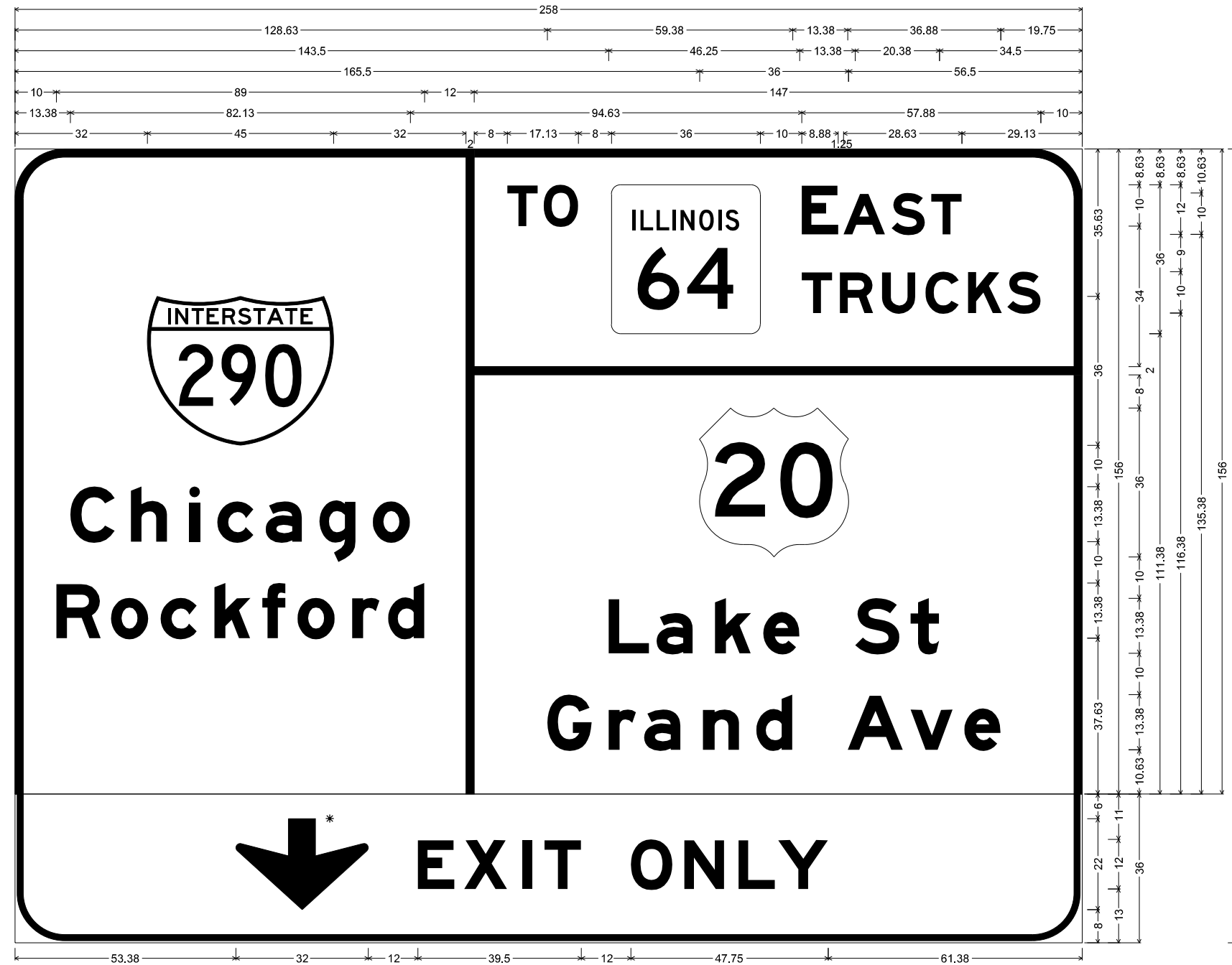
6.00" Radius, 2.00" Border, White on Green;
 [NORTH] E Mod 2K; [York Rd] E Mod 2K; Arrow 133 - 30.00° 45°;
 Table of widths and spaces.

29.38	N	9.75	O	2.63	R	8.38	2.38	R	8.13	1.13	T	7.38	1.75	H	8.13	28.50		23.63	12.88
12.88	Y	13.50	o	2.00	r	9.00	4.13	r	6.75	3.13	k	8.88	13.25	R	10.88	2.38	d	8.75	48.50

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	SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 46472					
						ILLINOIS FED. AID PROJECT					

STRUCTURE NUMBER		1C022S083R000.0-002
LOCATION		ARTERIAL
SIZE (W x H)	EXIT PLAQUE	-
	MAIN PANEL	21.5' X 16'
MOUNTING / TYPE		OVERHEAD / CANTILEVER
MOUNTING LOC (L, M, R)		-
SHEETING / COLOR	BACKGROUND	TYPE: ZZ
		COLOR: GREEN
		TYPE: ZZ
		COLOR: YELLOW
	LEGEND / BORDER	TYPE: ZZ
		COLOR: WHITE
		TYPE:
		COLOR:



12.00" Radius, 2.00" Border, White on Green;
 [Chicago] E Mod 2K; [Rockford] E Mod 2K; [TO] E Mod 2K; [EAST] E Mod 2K; [TRUCKS] E Mod 2K; [Lake St] E Mod 2K; [Grand Ave] E Mod 2K;
 12.00" Radius, 1.50" Border, 0.50" Indent, Black on Yellow;
 Down Arrow 22.00" 270"; [EXIT] E Mod 2K 140% spacing; [ONLY] E Mod 2K;
 Table of widths and spaces.

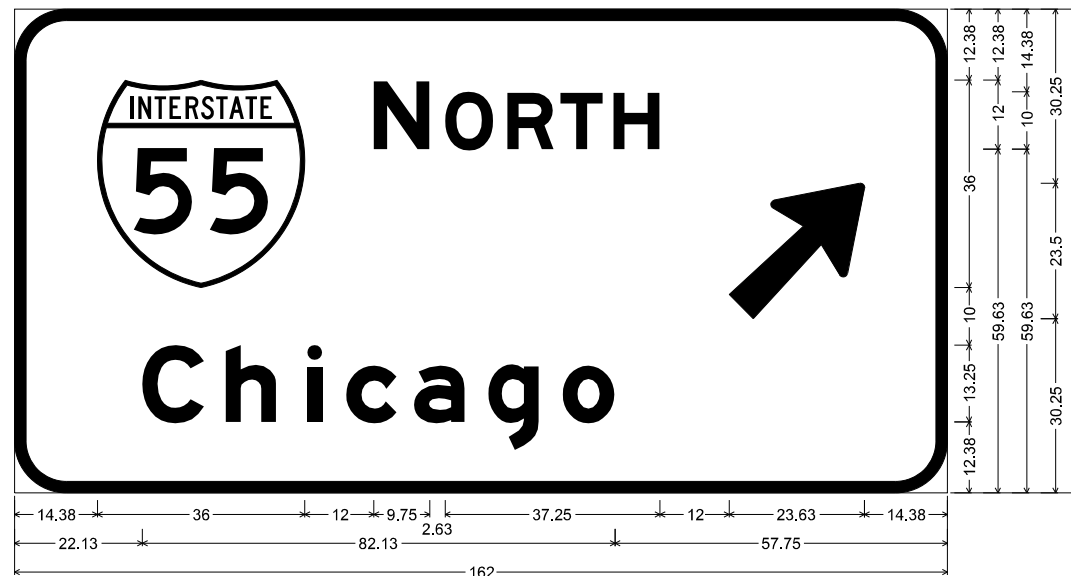
32.00	45.00	32.00	2.00	8.00	7.38	1.38	8.38	8.00	36.00	10.00	8.88	1.25	10.13	1.50	8.00	1.50	7.50	29.13														
13.38	10.88	3.75	h	8.75	5.38	2.63	4.13	8.75	3.00	a	8.75	4.13	g	8.88	4.13	9.00	94.63	7.38	1.88	R	8.00	2.13	U	8.13	2.38	8.13	2.13	K	8.25	1.25	8.13	10.00
10.00	R	10.88	2.38	o	9.00	3.00	c	8.75	4.13	k	8.88	2.75	f	5.63	2.88	o	9.13	4.13	r	6.63	2.00	d	8.75	12.00	147.13	-0.00						
165.50	36.00	56.50																														
143.50	L	9.88	1.63	a	8.88	5.25	k	8.88	2.88	8.88	13.25	10.88	2.63	t	6.88	34.63																
128.63	G	10.88	4.00	r	6.63	2.00	a	8.75	5.38	n	8.75	4.13	d	8.88	13.25	A	13.50	1.75	v	10.25	2.63	e	8.88	19.75								
53.38	32.00	12.00	E	8.88	2.38	X	10.38	3.50	I	2.50	3.00	T	8.88	12.00	O	10.00	2.88	N	9.75	3.38	L	8.88	0.75	Y	12.13	61.38						

* ARROWS SHALL BE DEMOUNTABLE

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DRAWN - BS	REVISED -					D-1	OVD SIN STR REPL 18-34	VARIOUS	87	60		
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -						CONTRACT NO. 46472				
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

STRUCTURE NUMBER		1C0221055R274.5-001	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 7'	
MOUNTING / TYPE		OVERHEAD / CANTILEVER	
MOUNTING LOC (L, M, R)		-	
SHEETING / COLOR	BACKGROUND	TYPE:	ZZ
		COLOR:	GREEN
		TYPE:	
	LEGEND / BORDER	COLOR:	
		TYPE:	ZZ
		COLOR:	WHITE



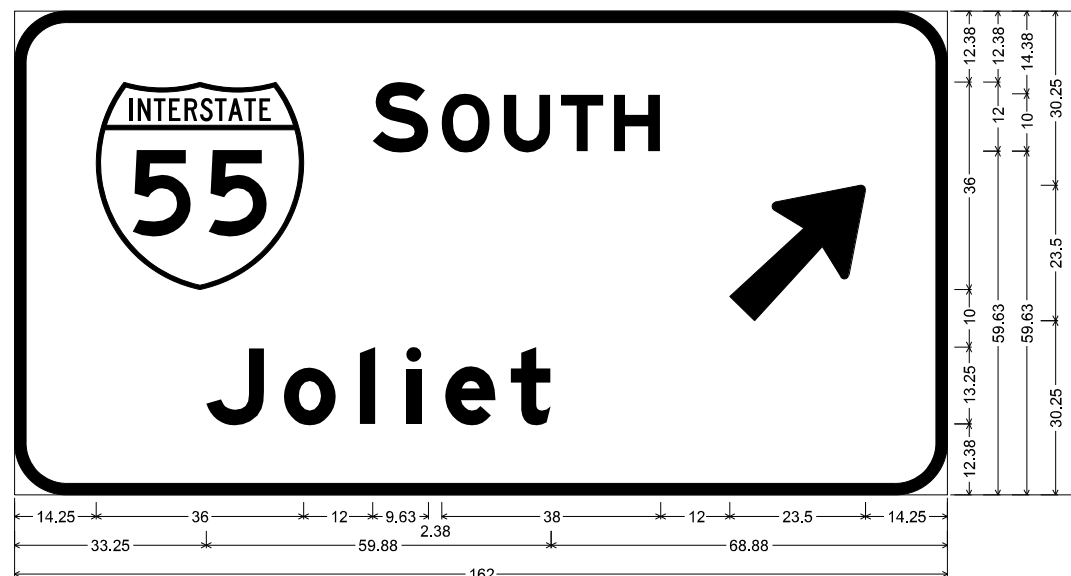
9.00" Radius, 2.00" Border, White on Green;
 [NORTH] E Mod 2K; [Chicago] E Mod 2K; Arrow 133 - 30.00" 45°;
 Table of widths and spaces.

14.38	36.00	12.00	N	9.75	2.63	O	8.38	2.38	R	8.13	1.13	T	7.38	1.75	H	8.13	12.00	23.50	14.50		
22.13	C	10.88	3.63	h	8.88	5.25	i	2.75	4.13	c	8.75	3.00	a	8.75	4.13	g	8.88	4.13	o	9.00	57.75

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USER NAME = poclechal	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DESIGN LOCATION #16		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - BS	REVISED -			D-1 OVD SIN STR REPL 18-34	VARIOUS	87	61			
PLOT SCALE = 40.0000" / in.	CHECKED - LP	REVISED -				CONTRACT NO. 46472				
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

STRUCTURE NUMBER		1C022I055L274.5-000	
LOCATION		ARTERIAL	
SIZE (W x H)	EXIT PLAQUE	-	
	MAIN PANEL	13.5' X 7'	
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;
 [SOUTH] E Mod 2K; [Joliet] E Mod 2K; Arrow 133 - 30.00" 45°;
 Table of widths and spaces.

14.25	36.00	12.00	9.63	2.38	8.38	2.38	8.13	1.75	7.50	1.75	8.13	12.00	23.50	14.25
33.25	10.13	3.38	9.13	4.13	2.63	5.38	2.63	4.13	8.75	2.75	6.88	68.88		

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USER NAME = pociechal	DESIGNED - LP	REVISED -
	DRAWN - BS	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGN PANEL DESIGN
LOCATION #17**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	62
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE Various DESCRIPTION FAI 355 (Northbound I-355 at I-290) DuPage County LOGGED BY M. Esposito
 SECTION _____ LOCATION West Side of, SEC. 18, TWP. 40N, RNG. 11E, 3rd PM, Latitude 41°57'15.1272", Longitude -88°1'50.0052"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
BORING NO.	Station	H	S	Qu	T	Stream Bed Elev.	ft	H	S	Qu	T
		(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
1S022I355R031.5-000	SBC-1					NA					
12" Hot Mix Asphalt Shoulder											
	95.52							3			
Gray Crushed Aggregate Base								6	3.3		18
	94.52							7	B		
Very Stiff to Hard Brown to Dark Brown, Moist SILTY CLAY LOAM											
		3						3			
		4	5.4		16			5	6.2		18
		4	B			72.52		8	B		
Transition to Brown and Gray in color.											
		-5						-25			
		3									
		4	2.5		15						
		7	P								
Transition to Brown, Gray, and Black in color.											
		3									
		6	4.5		19						
		8	B								
Transition to Brown and Gray in color.											
		-10						-30			
		4									
		5	4.5		16						
		7	P								
Transition to Brown and Gray in color.											
		4									
		5	4.1		19						
		6	B								
Soft, Gray, Moist, LOAM											
	81.27	-15						-35			
		2									
		1	0.3		24						
		4	P								
Very Stiff Brown and Gray, Moist SILTY CLAY											
			3.5		20						
		2									
		5	3.7		19						
		6	B								
	76.52	-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

ROUTE Various DESCRIPTION FAI 355 (Northbound I-355 at I-290) DuPage County LOGGED BY M. Esposito
 SECTION _____ LOCATION Inside Shoulder, West Side of, SEC. 18, TWP. 40N, RNG. 11E, 3rd PM, Latitude 41°57'15.1272", Longitude -88°1'50.0052"
 COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
BORING NO.	Station	H	S	Qu	T	Stream Bed Elev.	ft	H	S	Qu	T
		(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)
1S022I355R031.5-000	SBC-2					NA					
Black, CLAY (Topsoil)											
	94.61										
Stiff to Hard Brown, Moist CLAY											
		2									
		6	4.5		16						
		8	B								
Transition to Brown and Gray in color.											
		-5						-25			
		3									
		5	3.8		17						
		8	B								
Very Stiff to Hard Gray, Moist CLAY											
		4									
		5	1.5		22						
		5	B								
Transition to Brown and Gray in color.											
		4									
		6	4.4		18						
		8	B								
Transition to Brown and Gray in color.											
		-10						-30			
		4									
		6	4.4		18						
		8	B								
Transition to Brown and Gray in color.											
		4									
		6	4.4		18						
		8	B								
Soft, Gray, Moist, LOAM											
	81.27	-15						-35			
		4									
		7	3.5		18						
		8	B								
Very Stiff Brown and Gray, Moist SILTY CLAY											
		2									
		4	1.7		23						
		3	B								
	76.52	-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)

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 SOIL BORING OVERHEAD SIGNS_VARIATIONS_LOCATIONS_CONTRACT 46385.GPJ IL_DOT.GDT 5/31/16

USER NAME = pociechal	DESIGNED -	REVISED -
DRAWN - BS	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
(SBC-1 AND SBC-2)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34	VARIOUS		87	64
CONTRACT NO. 46472				
ILLINOIS		FED. AID PROJECT		



Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 6/25/15

ROUTE Various DESCRIPTION FAI 355 (Northbound I-355 at I-290) DuPage County LOGGED BY M. Esposito

SECTION LOCATION Outside Shoulder, Southeast Quarter of, SEC. 13, TWP. 40N, RNG. 10E, 3rd PM, Latitude 41°57'7.4628", Longitude -88°2'1.2444"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, T, W, S, Qu, H, S, Qu, T) with values for depth, blow count, and SPT.

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

SOIL BORING LOG

Page 1 of 1

Date 6/30/15

ROUTE Various DESCRIPTION FAI 355 (Northbound I-355 at I-290) DuPage County LOGGED BY M. Esposito

SECTION LOCATION Inside Shoulder, Southeast Quarter of, SEC. 13, TWP. 40N, RNG. 10E, 3rd PM, Latitude 41°57'7.4628", Longitude -88°2'1.2444"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, T, W, S, Qu, H, S, Qu, T) with values for depth, blow count, and SPT.

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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SOIL BORING OVERHEAD SIGNS_VARIATIONS_LOCATIONS_CONTRACT 46385.GPJ IL_DOT.GDT 5/31/16

SOIL BORING OVERHEAD SIGNS_VARIATIONS_LOCATIONS_CONTRACT 46385.GPJ IL_DOT.GDT 5/31/16

Table with columns for USER NAME, DESIGNED, REVISIONS, DRAWN, CHECKED, PLOT SCALE, PLOT DATE, DATE.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

Table with columns for F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO., ILLINOIS FED. AID PROJECT.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
554.5	12-inch thick dark brown SANDY LOAM --TOPSOIL/FILL--		1	4 4 4	2.50 P	16	554.5	MOIST --Hard Drilling-- --Auger Refusal--					
552.5	Very stiff, brown SILTY CLAY, trace gravel --FILL--		2	2 1 1	NP	19	552.5	Brown GRAVEL and COBBLES --Auger refusal at 26', attempted bedrock core, boulders and cobbles recovered in core barrel, attempted to auger through gravel and cobbles without success--		1			
550.5	Very loose, brown SILTY LOAM, trace gravel --FILL--		3	2 3 4	1.75 P	18	524.5	Boring terminated at 31.00 ft					
	Stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel --FILL--		4	2 3 4	1.75 P	20							
	--Intermixed SAND; WET--		5	3 7 13	4.50 P	17							
			6	5 8 8	4.25 P	23							
540.0	Medium dense, gray SILTY LOAM, interbedded brown SAND; MOIST --FILL--		7	7 9 12	NP	14							
536.3	Hard, brown SILTY CLAY LOAM, trace gravel --FILL--		8	8 8 11	4.00 P	13							
535.0	Medium dense, brown SILTY LOAM, trace cinders; MOIST --FILL--		9	5 9 17	NP	14							
532.5	Medium dense, brown GRAVEL; DRY --NATURAL--		10	32 21 21	NP	7							
530.5	Dense, brown SANDY GRAVEL;												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-10-2015	Complete Drilling	11-17-2015	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	▽	DRY	
Driller	N&K&R	Logger	D. Kolpacki	Time After Drilling	NA		
Checked by	ATT	Drilling Method	3.25-inch IDA HSA, auto hammer, boring backfilled upon completion	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
557.2	17-inch thick ASPHALT --PAVEMENT--						533.1	Dense to very dense, reddish brown to brown and gray SANDY GRAVEL; DRY		11	17 18 19	NP	5
	Stiff to hard, brown to brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel --FILL--		1	1 7 8	4.50 P	13				12	11 15 16	NP	6
			2	7 11 6	3.00 P	16							
			3	3 5 4	1.80 B	19							
			4	3 5 7	2.71 B	14							
	--Little gravel--		5	4 5 7	1.64 B	19							
			6	3 5 8	2.05 B	20							
			7	6 10 10	3.69 S	13							
			8	4 6 7	4.92 B	16							
			9	3 9 10	2.87 S	17							
			10	7 5 9	NP	18							
535.6	Medium dense, dark brown SANDY LOAM, little gravel; DRY --FILL--						518.6	Boring terminated at 40.00 ft		13	30 32 35	NP	4
										14	9 23 25	NP	7

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-22-2015	Complete Drilling	11-22-2015	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	CME 55 TMR	At Completion of Drilling	▽	DRY	
Driller	K&R	Logger	H. Bista	Time After Drilling	NA		
Checked by	ATT	Drilling Method	3.25-inch IDA HSA, auto hammer, boring backfilled upon completion	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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 WANGENG\INC_5551506.GPJ WANGENG.GDT 12/30/15

USER NAME	= pociechal	DESIGNED	-	REVISED	-
DRAWN	- BS	CHECKED	- LP	REVISID	-
PLOT SCALE	= 100,0000' / in.	DATE	- 11/03/17	REVISID	-
PLOT DATE	= 8/16/2018				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS (I80-OSB-11 AND I80-OSB-12)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	67
CONTRACT NO. 46472				
ILLINOIS FED. AID PROJECT				

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

BORING LOG I80-OSB-09
 WEI Job No.: 555-15-06

Datum: NAVD 88
 Elevation: 555.51 ft
 North: 1765126.82 ft
 East: 1054860.17 ft
 Station:
 Offset:

Client: **Illinois Department of Transportation**
 Project: **Replacement Overhead Sign Structures**
 Location: **Sign N, Inside, WB I-80 Will Co.**

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blow/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blow/6 in)	Qu (tsf)	Moisture Content (%)
554.3	15-inch thick ASPHALT --PAVEMENT--						530.0	Medium dense, brown and gray SILTY LOAM, trace gravel		11	7 10 12	NP	13
	Very stiff, brown SILTY CLAY LOAM, little gravel --FILL--	1	1	3 7 10	3.85 B	17	527.5	Hard, brown and gray SILTY CLAY LOAM, trace gravel		12	5 9 12	> 4.50 P	15
552.3	Hard, brown SILTY CLAY --FILL--	5	2	4 5 7	4.02 B	16	523.8	Medium dense, gray medium SAND, trace gravel, MOIST		13	4 7 2	NP	11
			3	5 10	> 4.50 P	12	520.5	Very dense, brown ROCK FRAGMENT		14	50/2"	NP	
547.5	Very stiff to hard, brown to brown and gray SILTY CLAY LOAM, trace gravel --FILL--	10	4	5 9 10	3.50 P	12	519.5						
			5	6 10	> 4.50 P	17							
542.5	Very stiff to hard, brown and gray SILTY CLAY --FILL--	15	6	4 5 6	2.71 B	17							
			7	7 10	> 4.50 P	16							
537.5	Stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel --FILL--	20	8	5 10	> 4.50 P	13							
			9	7 10	> 4.50 P	16							
			10	7 10	1.00 P	14							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-12-2015	Complete Drilling	11-12-2015	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 TMR	At Completion of Drilling	▽	DRY	
Driller	R&R	Logger	F. Bozga	Time After Drilling	NA		
Drilling Method	3.25-inch IDA HSA, auto hammer, boring backfilled upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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

BORING LOG I80-OSB-10
 WEI Job No.: 555-15-06

Datum: NAVD 88
 Elevation: 568.54 ft
 North: 1765032.63 ft
 East: 1054875.63 ft
 Station:
 Offset:

Client: **Illinois Department of Transportation**
 Project: **Replacement Overhead Sign Structures**
 Location: **Sign N, Outside, EB I-80, Will Co.**

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blow/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blow/6 in)	Qu (tsf)	Moisture Content (%)
567.4	14-inch thick ASPHALT --PAVEMENT--						540.5	Medium dense, brown SANDY GRAVEL: DRY		11	9 12 20	> 4.50 P	12
	Medium dense, brown SANDY GRAVEL and ROCK FRAGMENTS	1	1	9 15 10	NP	6	540.5	Medium dense, brown SANDY GRAVEL: DRY		12	8 12 7	NP	7
565.3	Stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel --FILL--	5	2	5 9 9	3.50 P	20							
			3	7 10 1	> 4.50 P	11							
			4	2 5 6	2.46 B	17							
			5	4 6 7	2.30 B	16							
			6	4 4 4	1.00 P								
			7	7 9 17	3.03 B	14							
			8	3 9 14	3.69 B	15							
			9	4 7 11	3.75 P	16							
			10	3 4 5	NR								
							531.8	Dense, brown SANDY GRAVEL: DRY		13	6 6 5	NP	7
							528.5			14	35 25 15	NP	8

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-17-2015	Complete Drilling	11-17-2015	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 TMR	At Completion of Drilling	▽	DRY	
Driller	R&K	Logger	F. Bozga	Time After Drilling	NA		
Drilling Method	3.25-inch IDA HSA, auto hammer, boring backfilled upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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WANGENG\GPI\WANGENG.GDT 12/30/15

USER NAME = pociechal	DESIGNED -	REVISED -
DRAWN - BS	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:				SHEET	OF	SHEETS	STA.	TO	STA.
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SOIL BORING LOGS
 (I80-OSB-09 AND I80-OSB-10)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL	18-34	VARIOUS	87	68
CONTRACT NO. 46472				
ILLINOIS / FED. AID PROJECT				



SOIL BORING LOG

Date 10/30/15

ROUTE Various DESCRIPTION FAP 344 (Southbound Illinois 83 at I-290) DuPage County LOGGED BY R. Claussen

SECTION LOCATION Outside Shoulder, Northeast Quarter of, SEC. 27, TWP. 40N, RNG. 11E, 3rd PM, Latitude 41°55'54.4116", Longitude -87°58'2.028"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, P, L, O, S, H, T, W, S, Qu, T, etc.)

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 4/15/16

ROUTE Various DESCRIPTION FAP 344 (Southbound Illinois 83 at I-290) DuPage County LOGGED BY R. Claussen

SECTION LOCATION Inside Shoulder, Northeast Quarter of, SEC. 27, TWP. 40N, RNG. 11E, 3rd PM, Latitude 41°55'54.4116", Longitude -87°58'2.028"

COUNTY Various DRILLING METHOD HSA HAMMER TYPE Auto

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil data columns (D, B, U, M, P, L, O, S, H, T, W, S, Qu, T, etc.)

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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SOIL BORING OVERHEAD SIGNS_VARI0US LOCATIONS_CONTRACT 46385.GPJ_IL_DOT.GDT 5/31/16

SOIL BORING OVERHEAD SIGNS_VARI0US LOCATIONS_CONTRACT 46385.GPJ_IL_DOT.GDT 5/31/16

Table with columns for USER NAME, DESIGNED, REVISED, DRAWN, CHECKED, DATE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS (SBQ-1 AND SBQ-2)

SCALE: SHEET OF SHEETS STA. TO STA.

Table with columns for F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO., ILLINOIS FED. AID PROJECT

SEECO CONSULTANTS, INC.		SOIL BORING LOG				Page 1 of 1	
ROUTE FA155	DESCRIPTION Prop. Overhead Sign Structure	Date 12/19/16		Logged By TD			
SECTION	LOCATION NB I-55 @ North River Rd	SEC	TWP.	RNG.	PM		
COUNTY Will	STRUCTURE NO. 1C0991055R241.0-000 (Exist.)	(Prop.)					
Drilling Method AASHTO T 206-09		Hammer Type Automatic Hammer					
Boring No. SB9	Surf. Wat. El. _____	E L E V. (M.S.L.)	D E P T H (ft.)	S P T N (blows)	U C S T. (TSF)	M O I S T. (%)	
Station _____							
Offset 5'S	When Drilling 13'						
Ground Surface El. + 97.32 +/- M.S.L.	at Completion 9'						
	After _____ Hrs						
11" FILL: SILTY CLAY, Brown, Trace Black, Trace Gravel	96.3	1.0					
FILL: SILTY LOAM, Brown, Trace Gravel, Extremely Dense, Moist (A-4) (N = 80 Blows / 3" at 1') (Frozen up to 3' below existing ground surface level)	93.8	2.0			10.3		
POSSIBLE FILL: SANDY CLAY LOAM, Brown, Dark Brown and Gray, Trace Gravel, Medium Dense, Moist (A-2-6)	91.3	4.0	8		12.5		
		5.0	9				
POSSIBLE FILL: SILTY LOAM, Brown and Gray, Trace Black, Trace Gravel, Medium Dense, Moist (A-4)	88.8	6.0	9				
		7.0	10		10.7		
		8.0	12				
POSSIBLE FILL: CLAY, Brownish Gray, Trace Sand, Medium, Moist (A-6)	86.3	9.0	3		22.2		
		10.0	4	1.00 P			
		11.0	4				
SANDY CLAY, Brown and Gray, Loose, Moist (A-2-6) (Saturated below 13 feet)	83.8	12.0	4		20.1		
		13.0	4				
SAND, Brown, Loose, Saturated (A-3)	81.3	14.0	4				
		15.0	6				
		16.0	4				
SHALE Fragments, Gray (N = 100 Blows / 2" at 16') End of Boring at 16.16 Feet.	81.2	17.0					
Boring Coordinates: Lat = 41.351935 N Long = -88.191667 W		18.0					
Note: 1. The Boring was offset 5 feet South due to the obstruction encountered at 2.5 feet at original location. 2. Benchmark is the top east edge of River Road Bridge footing at center of center column.		19.0					
		20.0					
		21.0					
		22.0					

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30"
 DRILL RIG: D-50
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-9

SEECO CONSULTANTS, INC.		SOIL BORING LOG				Page 1 of 1	
ROUTE FA155	DESCRIPTION Prop. Overhead Sign Structure	Date 12/19/16		Logged By TD			
SECTION	LOCATION NB I-55 @ North River Rd	SEC	TWP.	RNG.	PM		
COUNTY Will	STRUCTURE NO. _____ (Exist.)	(Prop.)					
Drilling Method AASHTO T 206-09		Hammer Type Manual Hammer					
Boring No. SB9-A	Surf. Wat. El. _____	E L E V. (M.S.L.)	D E P T H (ft.)	S P T N (blows)	U C S T. (TSF)	M O I S T. (%)	
Station _____							
Offset 37'S & 9' W	When Drilling Dry						
Ground Surface El. + 100.25 +/- M.S.L.	at Completion Dry						
	After _____ Hrs						
FILL: CLAY, Dark Brown, Black and Gray, Medium, Moist (A-6)	97.3	1.0					
		3.0	3				
		4.0	4	1.00 P	22.2		
		5.0	4				
FILL: SANDY CLAY LOAM with Some Gravel, Brown and Gray, Moist (A-2-6)	95.3	6.0	4				
		7.0	5		15.3		
		8.0	4				
End of Boring at 5 Feet.		9.0					
Boring Coordinates: Lat = 41.351935 N Long = -88.191667 W		10.0					
Note: 1. This boring was drilled and sampled using a 3" diameter open tubular stainless steel hand auger in conjunction with a 35-pound hammer dropped 30 inches onto a split spoon sampler with the resulting blow counts converted to an equivalent SPT ("N") value utilizing the potential energy equation. 2. Benchmark is the top of concrete of the existing sign foundation.		11.0					
		12.0					
		13.0					
		14.0					
		15.0					
		16.0					
		17.0					
		18.0					
		19.0					
		20.0					
		21.0					
		22.0					

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30"
 DRILL RIG: Portable SPT
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-9

MODEL: Default
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USER NAME = pociechal	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 8/16/2018	DATE - 11/03/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS (SB9 AND SB9-A)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	74
CONTRACT NO. 46472				
		ILLINOIS	FED. AID PROJECT	

SEECO CONSULTANTS, INC.		SOIL BORING LOG				Page 1 of 1	
ROUTE FAI 290		DESCRIPTION Prop. Overhead Sign Structure		Date 12/16/16		Logged By JW	
SECTION _____		LOCATION WB 1-290 @ NB IL 83		SEC _____ TWP. _____ RNG. _____ PM _____			
COUNTY DuPage		STRUCTURE NO. 1S022I290L010.9-000 (Exist.)		(Prop.)			
Boring No. SB12-B		Drilling Method AASHTO T 206-09		Hammer Type Automatic Hammer			
Station _____		Surf. Wat. El. _____		E L P C M		E L P C M	
Offset 15.5' S & 25.5' W		Groundwater Elev.: _____		E L P C M		E L P C M	
Ground Surface El. + 97.00 +/- M.S.L.		When Drilling Dry		E L P C M		E L P C M	
		at Completion Dry		E L P C M		E L P C M	
		After _____ Hrs _____		E L P C M		E L P C M	
15" BITUMINOUS CONCRETE PAVEMENT				23.0			
FILL: CLAY, Brown and Gray, Trace Black, Hard, Moist (A-6)		95.8		24.0		7 4.12 19.1	
FILL: CLAY, Gray and Black, Trace Sand, Very Stiff, Moist (A-6)		93.5		26.0		9 6.18 18.4	
FILL: CLAY, Brown, Gray and Black, Trace Sand, Very Stiff, Moist (A-6)		91.0		29.0		4 2.06 16.8	
FILL: CLAY, Brown and Gray, Trace Black, Trace Fibers, Very Stiff, Moist (A-6)		88.5		31.0			
FILL: CLAY, Brown and Gray, Trace Sand, Hard, Moist (A-6)		86.0		34.0		3 2.27 19.6	
FILL: CLAY, Black and Gray, Trace Organic, Very Stiff, Moist (A-6)		83.0		37.0			
CLAY, Brown and Gray, Trace Sand and Gravel, Hard, Moist (A-6)		81.0		39.0		9 2.89 18.7	
End of Boring at 40 Feet.				40.0			
Boring Coordinates: Lat = 41.927249 N Long = -87.96167 W				41.0			
Note: 1. Benchmark is the SC of the existing sign foundation.				42.0			
				43.0			
				44.0			
				45.0			

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bluge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30" DRILL RIG: D-50
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-9

SEECO CONSULTANTS, INC.		SOIL BORING LOG				Page 1 of 1	
ROUTE FAP 347		DESCRIPTION Prop. Overhead Sign Structure		Date 11/21/16		Logged By DK	
SECTION _____		LOCATION WB IL 38 @ NB York Rd.		SEC _____ TWP. _____ RNG. _____ PM _____			
COUNTY DuPage		STRUCTURE NO. 1S022S038L000.0-000 (Exist.)		(Prop.)			
Boring No. SB14-A		Drilling Method AASHTO T 206-09		Hammer Type Automatic Hammer			
Station _____		Surf. Wat. El. _____		E L P C M		E L P C M	
Offset 44' W. of Sign Foundation		Groundwater Elev.: _____		E L P C M		E L P C M	
Ground Surface El. + 96.43 +/- M.S.L.		When Drilling Dry		E L P C M		E L P C M	
		at Completion Dry		E L P C M		E L P C M	
		After _____ Hrs _____		E L P C M		E L P C M	
6" BITUMINOUS CONCRETE PAVEMENT		95.9		23.0			
7" CRUSHED STONE BASE COURSE, Brown		95.3		24.0		3 1.73 20.7	
CLAY, Brown and Gray, Trace Gravel, Stiff to Hard, Moist (A-6)		85.4		26.0		7 1.81 20.4	
CLAY, Brownish Gray, Hard to Very Stiff, Moist (A-6)		80.4		29.0		3 1.81 24.6	
CLAY, Gray, Trace Gravel, Very Stiff to Stiff to Hard, Moist (A-6)		56.4		31.0		8 5.36 18.0	
End of Boring at 40 Feet.				34.0		10 5.11 18.2	
Boring Coordinates: Lat = 41.86202 Long = -87.92805				35.0			
				36.0			
				37.0			
				38.0			
				39.0			
				40.0			
				41.0			
				42.0			
				43.0			
				44.0			
				45.0			

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bluge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30" DRILL RIG: D-50
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-9

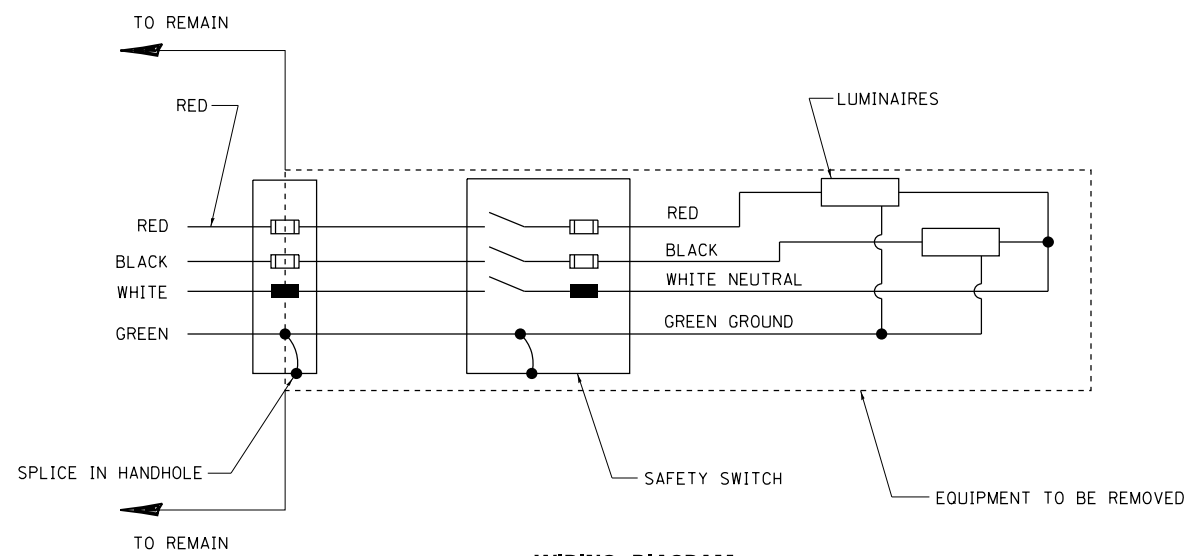
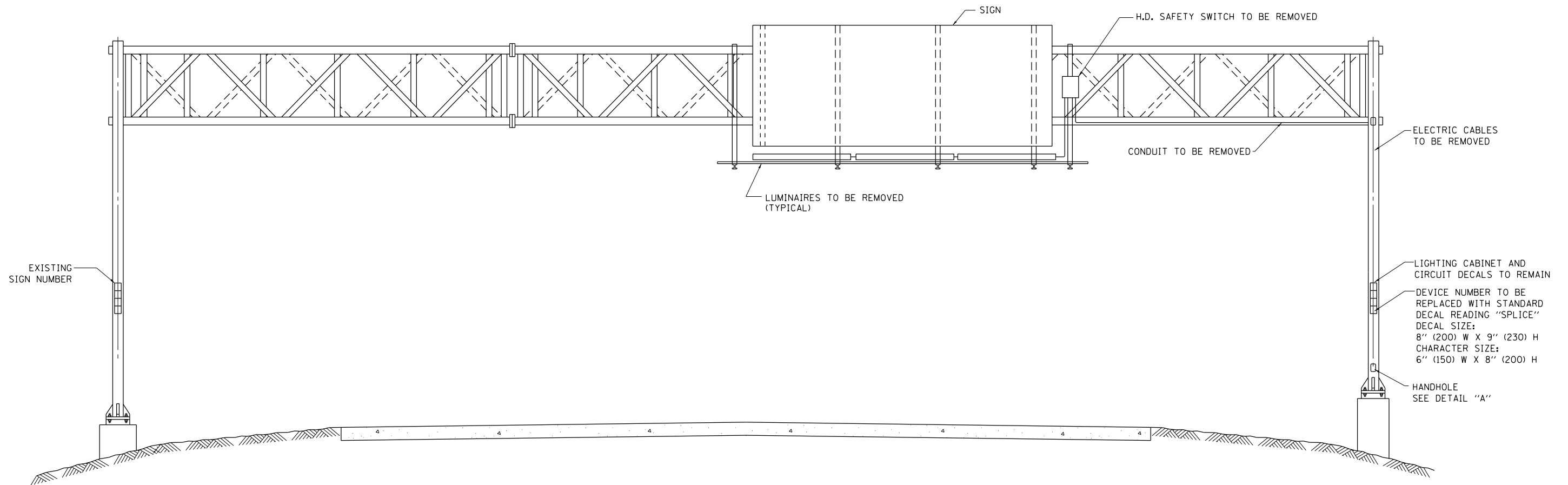
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USER NAME = pociechal	DESIGNED -	REVISED -
DRAWN - BS	CHECKED - LP	REVISED -
PLOT SCALE = 100,0000' / in.	DATE - 11/03/17	REVISED -
PLOT DATE = 8/16/2018		

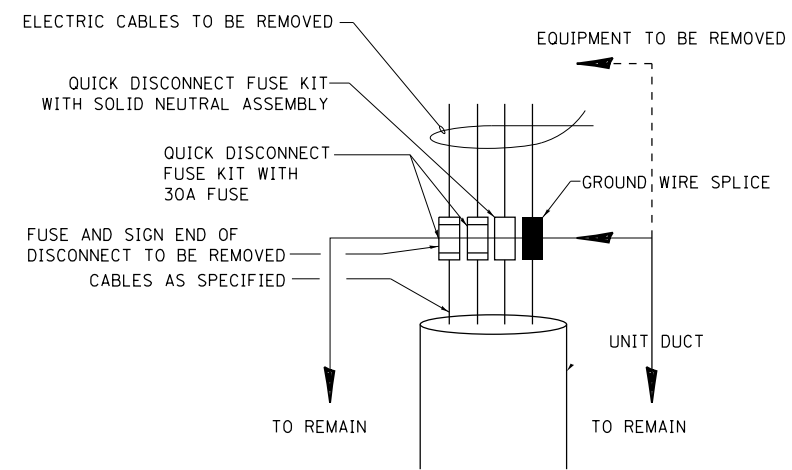
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORING LOGS (SB12-B AND SB14-A)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			87	77
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



WIRING DIAGRAM



DETAIL A

WIRING MODIFICATIONS:

- A) IF SIGN IS NOT A FED THRU;
 - 1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
 - 2) CAP LINE SIDE OF WIRES.

- B) IF SIGN IS USED AS A MID CIRCUIT TAP;
 - 1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
 - 2) RESPLICE LINE SIDE CABLES TO MAINTAIN CIRCUIT CONTINUITY.

NOTE:

1. CONTRACTOR TO COORDINATE WITH IDOT ELECTRIC MAINTENANCE CONTRACTOR PRIOR TO PERFORMING ANY WORK.

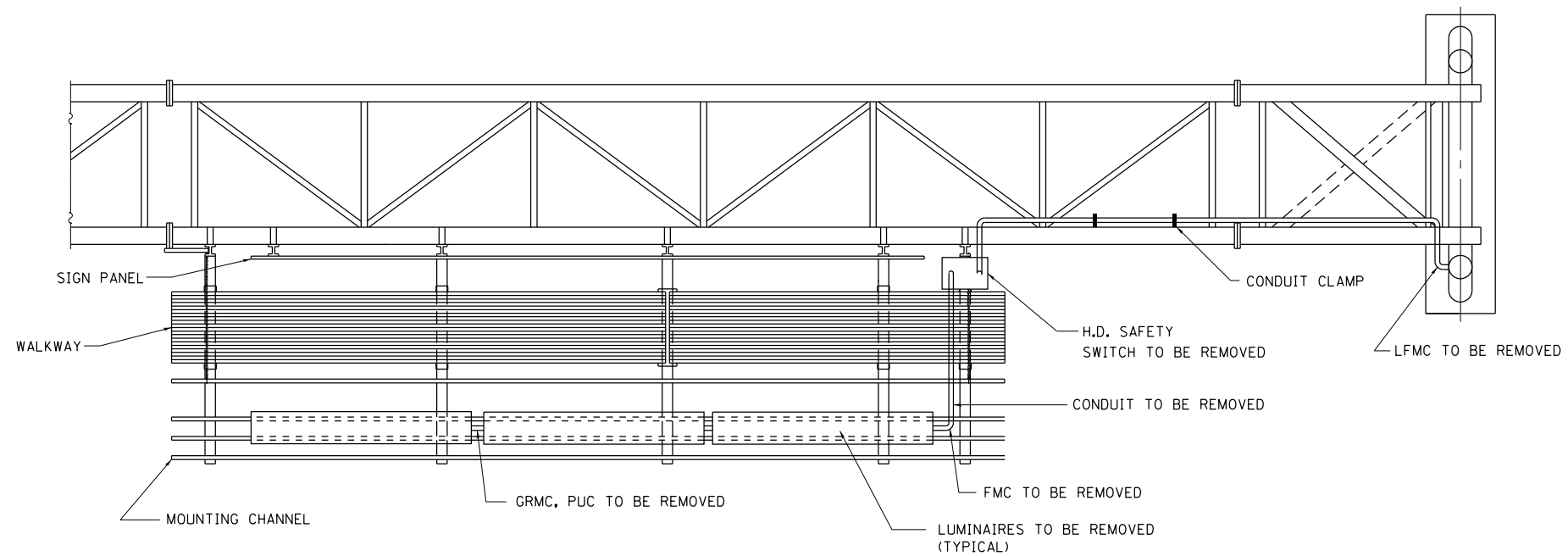
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p:\11\084EBIDINTEG\illinois.gov\PIWID\Documents\IDOT Offices\District 1\Projects\M6000818\Traffic\M6000818-shr-genno		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/16/2018	DATE - 10-16-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

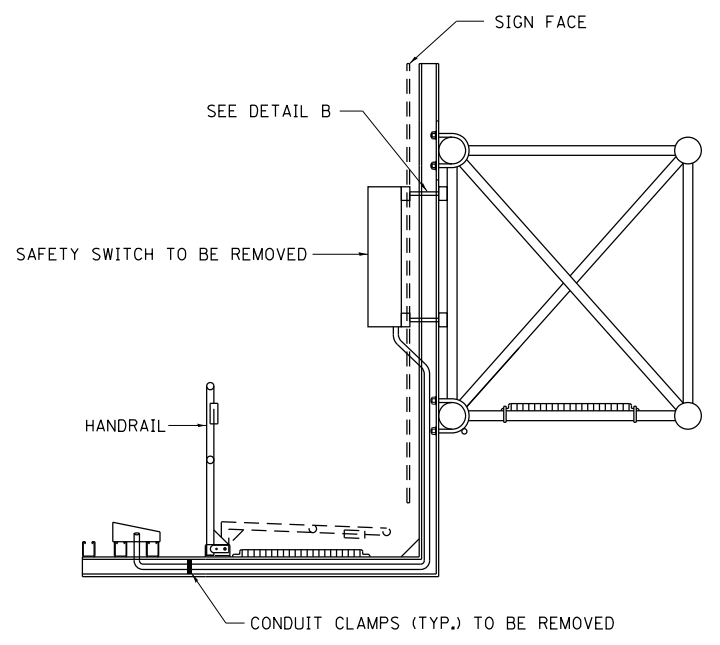
**REMOVAL OF ELECTRICAL LIGHTING FROM SIGN STRUCTURE SHEET 1 OF 2
SPAN TYPE**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

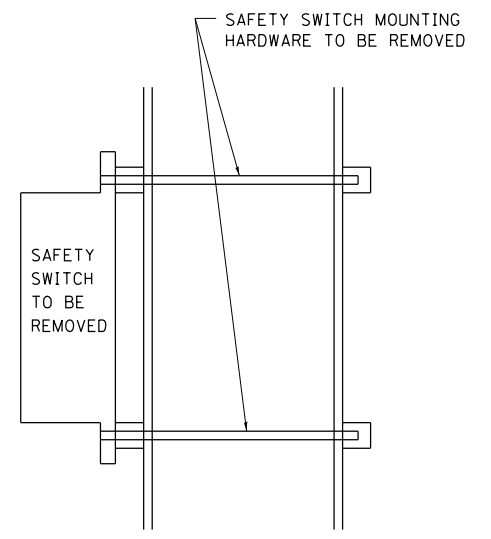
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	80
	BE-610		CONTRACT NO. 46472	
ILLINOIS FED. AID PROJECT				



TOP VIEW

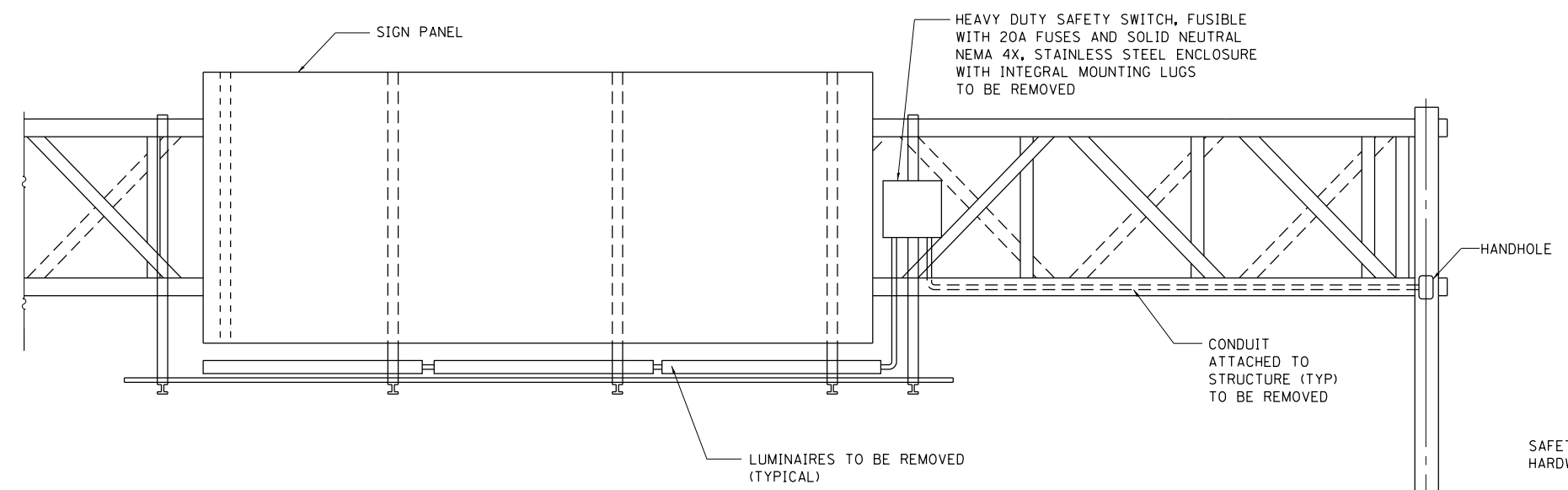


TOP VIEW



SIDE VIEW

DETAIL B



ELEVATION VIEW

WIRING MODIFICATIONS:

- A) IF SIGN IS NOT A FED THRU;
 - 1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
 - 2) CAP LINE SIDE OF WIRES.

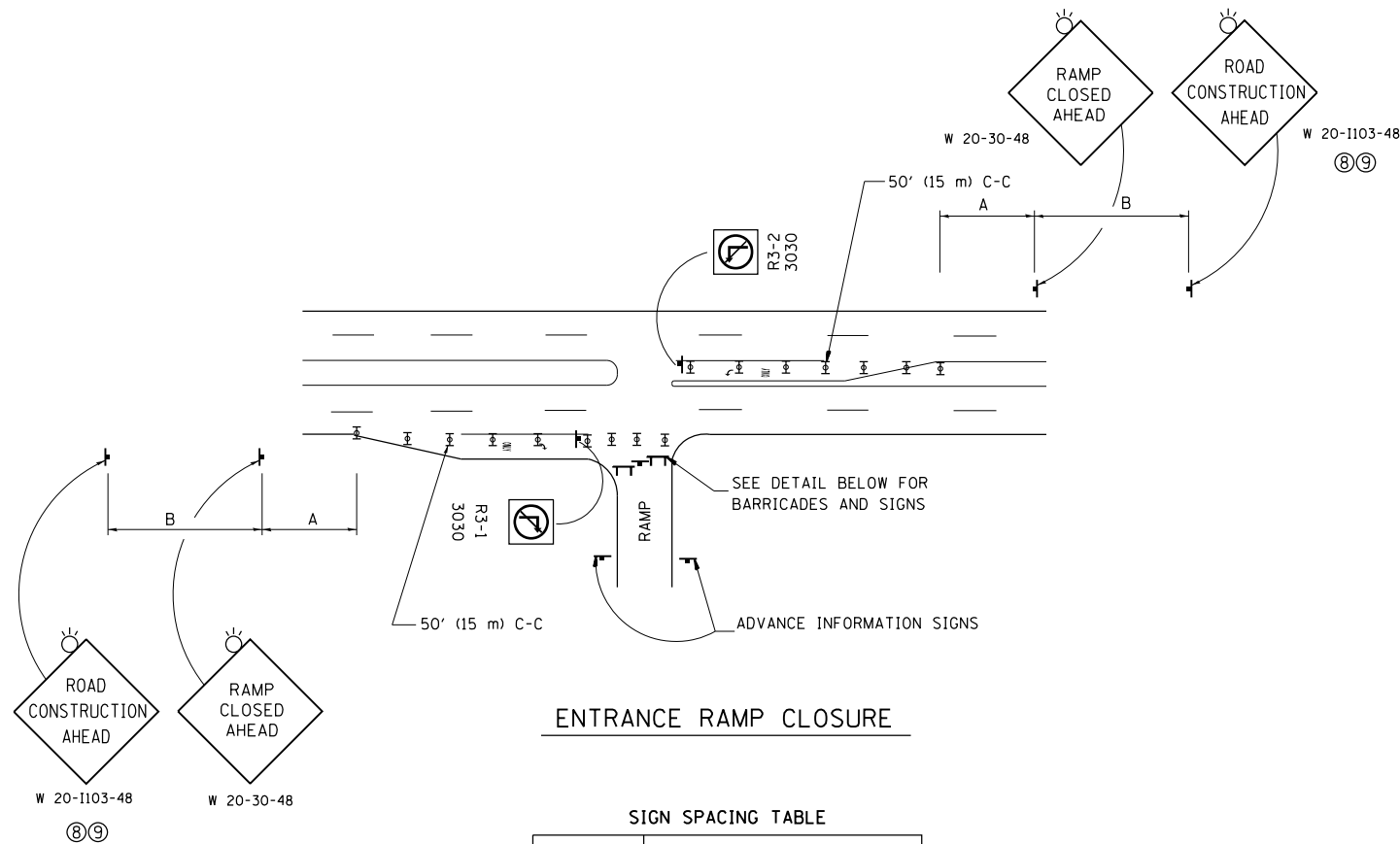
- B) IF SIGN IS USED AS A MID CIRCUIT TAP;
 - 1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
 - 2) RESPLICE LINE SIDE CABLES TO MAINTAIN CIRCUIT CONTINUITY.

FILE NAME =	USER NAME = poc1echal	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\M6000\Drawings\Traffic\M6000818-shr-gennov		DRAWN -	REVISED -
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	PLOT DATE = 8/16/2018	DATE - 10-16-14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL OF ELECTRICAL LIGHTING FROM SIGN STRUCTURE SHEET 2 OF 2			
SPAN TYPE			
SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D-1 OVD SIN STR REPL 18-34	VARIOUS	87	81
	BE-610		CONTRACT NO. 46472	
ILLINOIS FED. AID PROJECT				

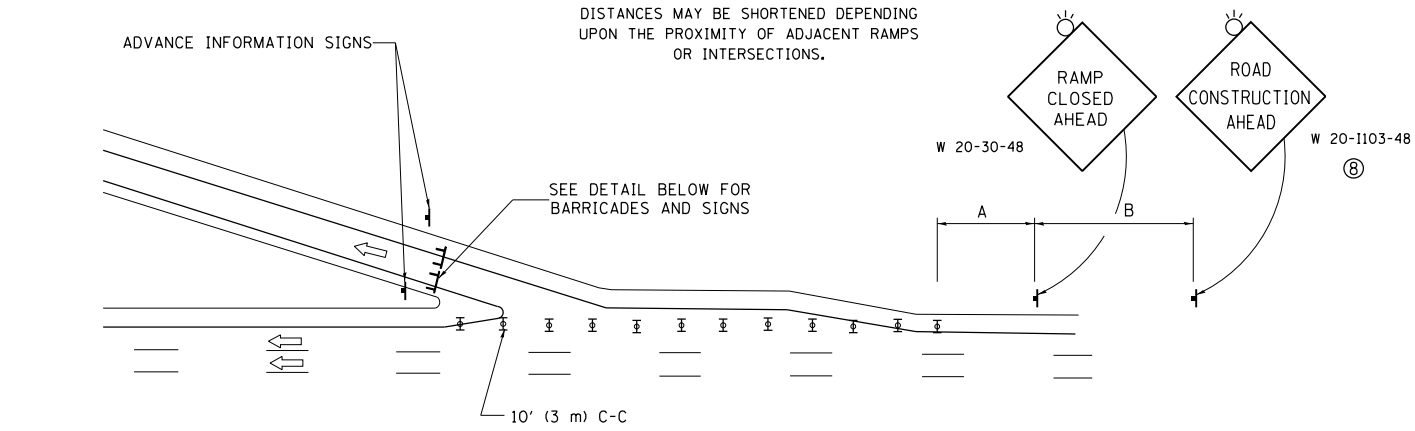


ENTRANCE RAMP CLOSURE

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)

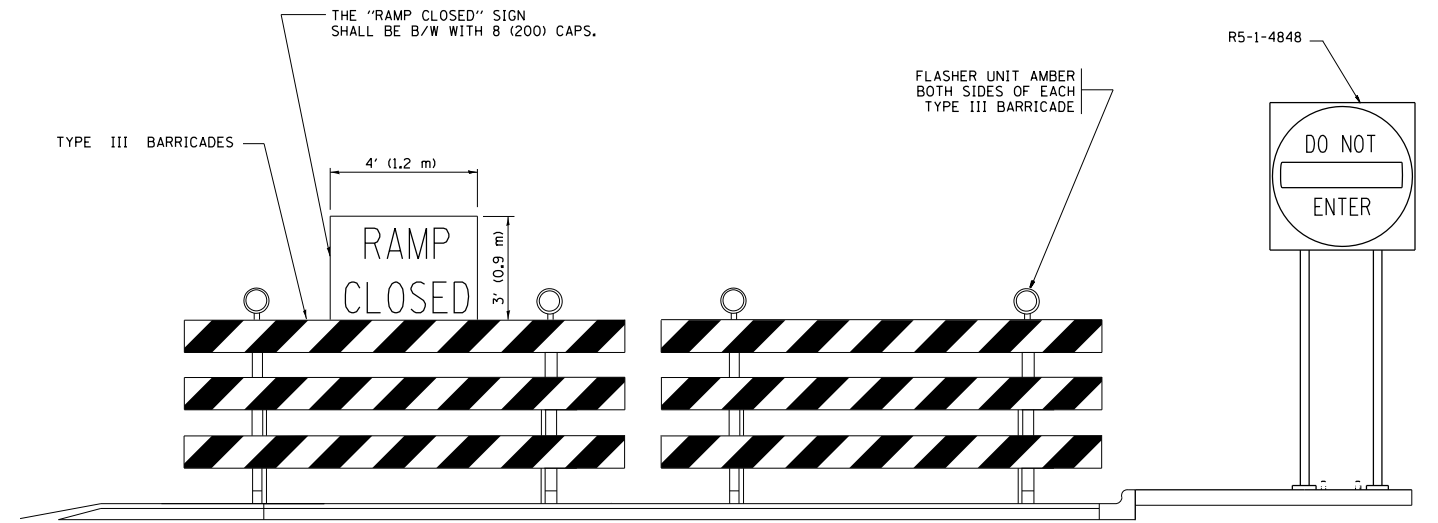
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

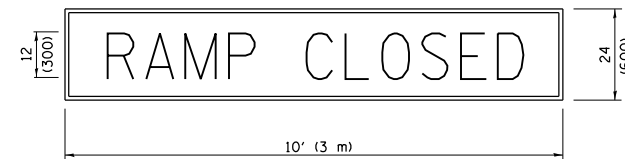
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

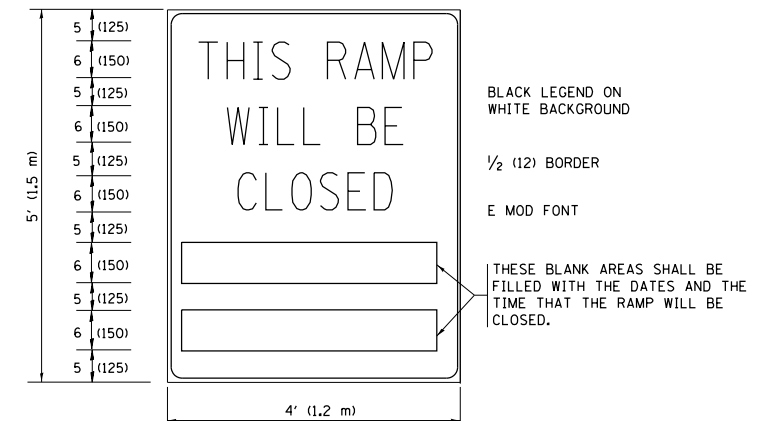
RAMP CLOSURE ADVANCE WARNING SIGN



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.

FILE NAME =	USER NAME = poc1echn	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\M600818\Traffic\M600818-shr-gennov		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 8/16/2018		REVISED - M.D. 01-18

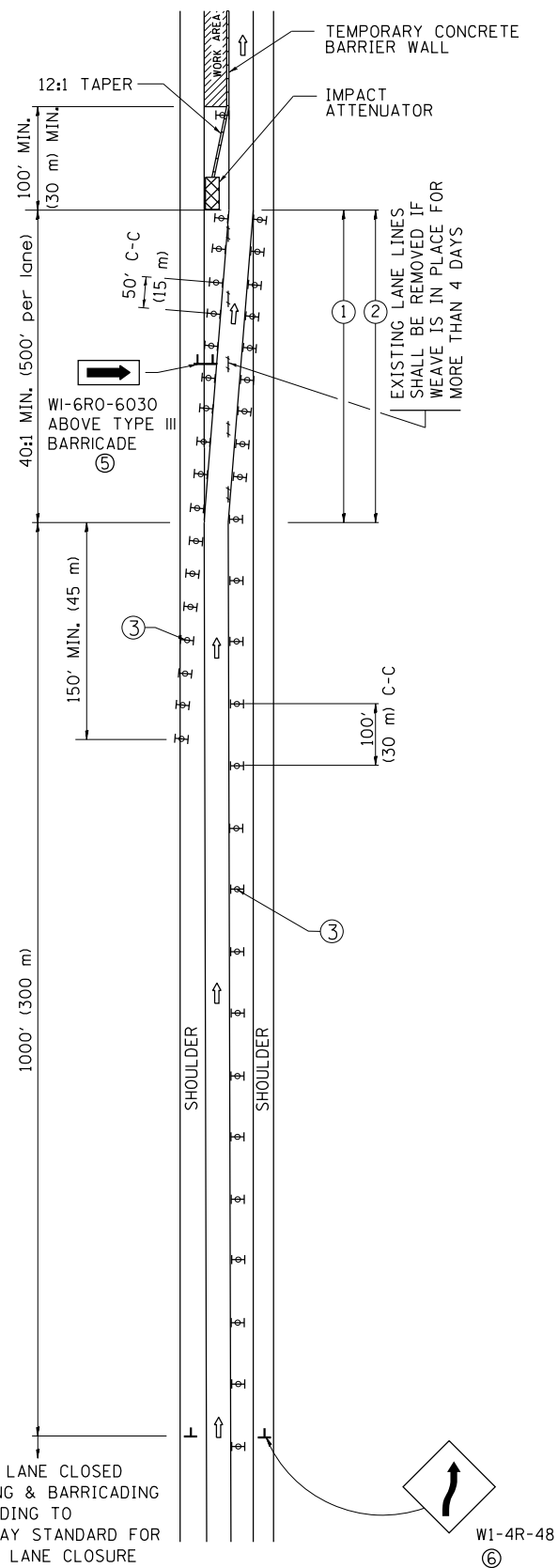
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

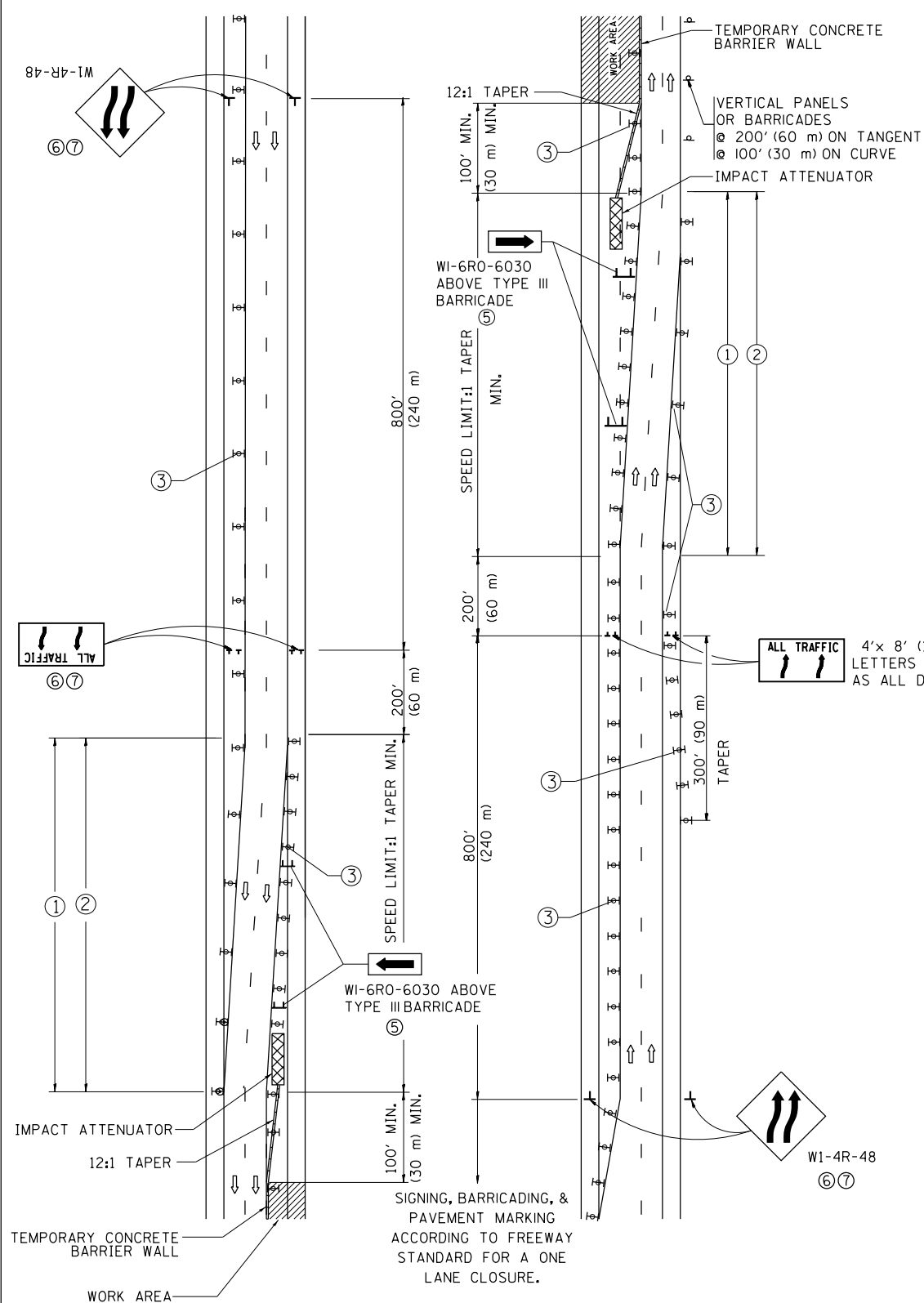
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D-1 OVD SIN STR REPL 18-34		VARIOUS	87	82
TC-08			CONTRACT NO. 46472	
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

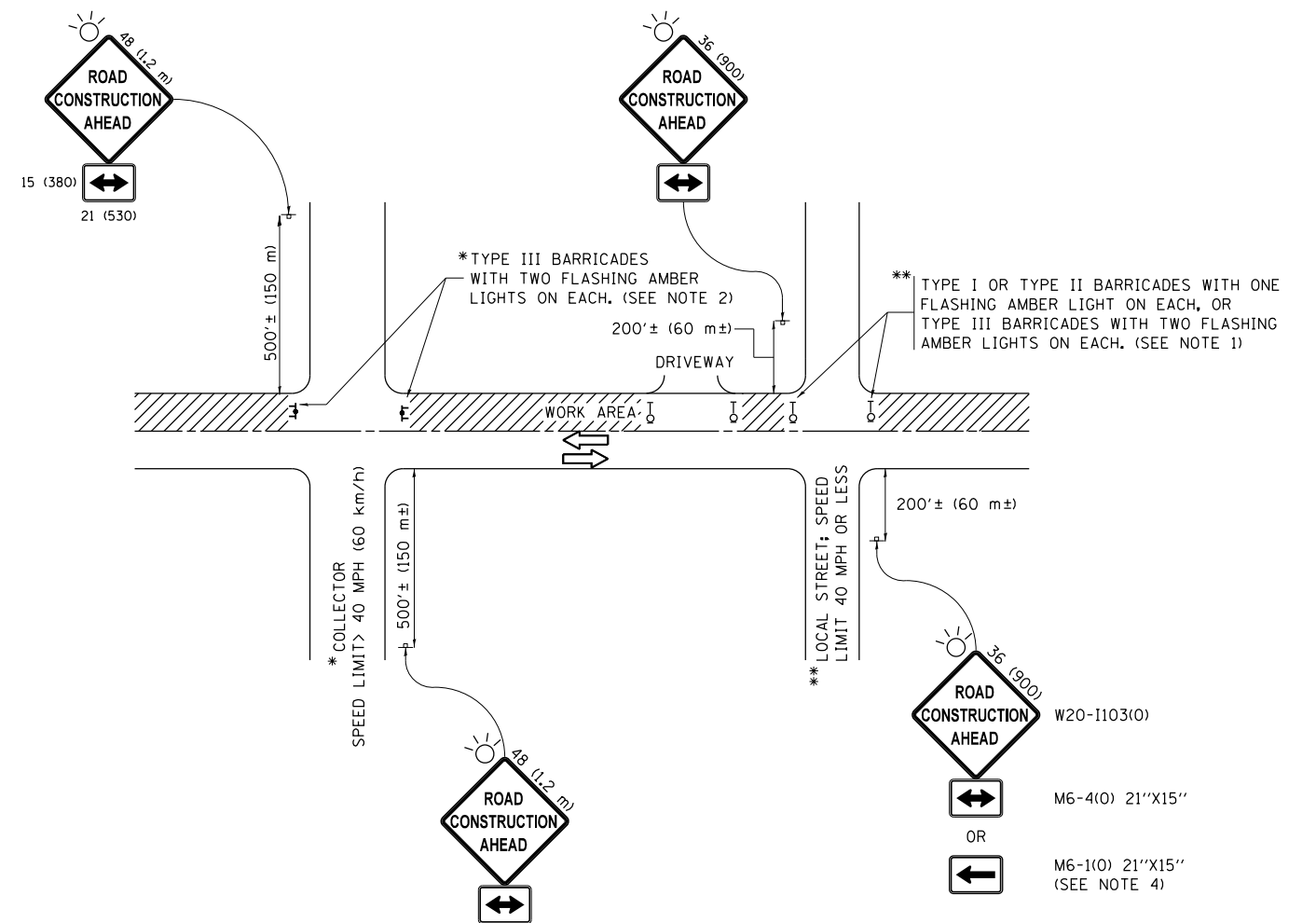
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE 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.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = poc1eoh1	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default								D-1 OVD SIN STR REPL 18-34	VARIOUS	87	83	
					SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 46472		
										ILLINOIS FED. AID PROJECT		



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = poc1echal	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\M600000000\TRAFFIC\Traffic\M6000018-shr-genno		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 8/16/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

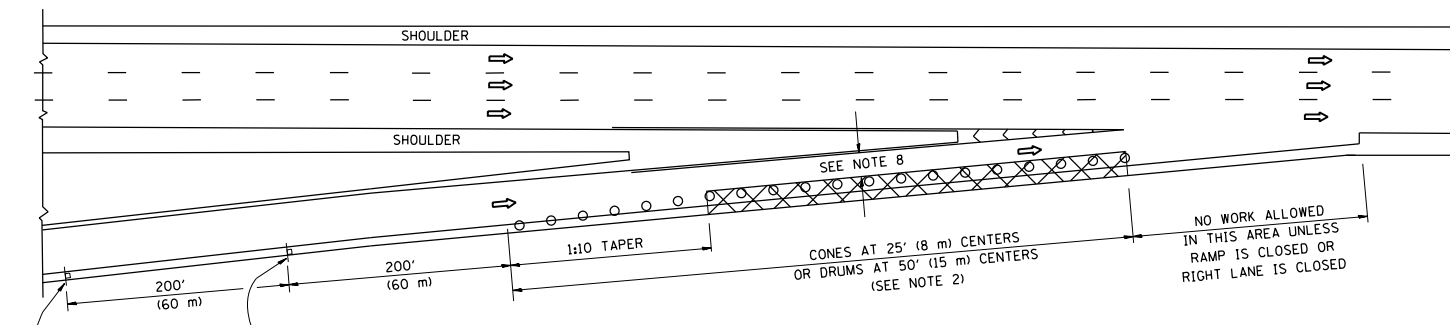
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

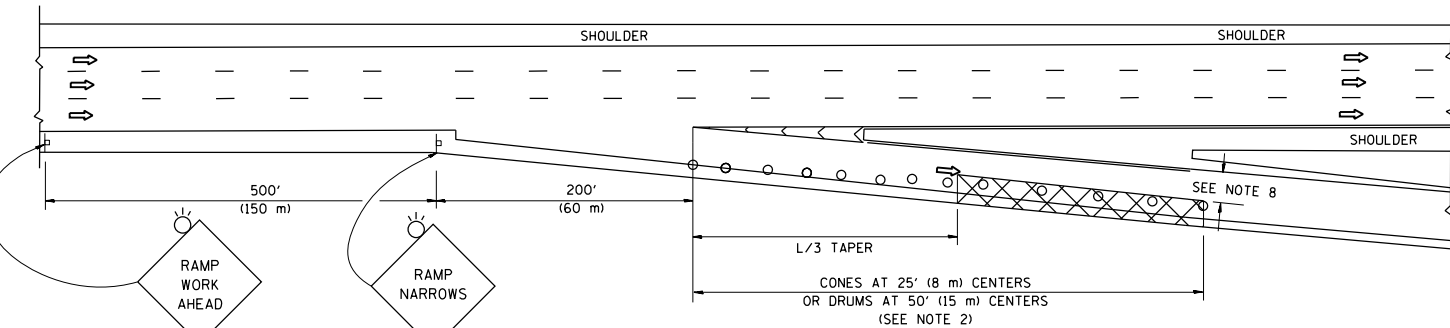
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 46472	
ILLINOIS FED. AID PROJECT				

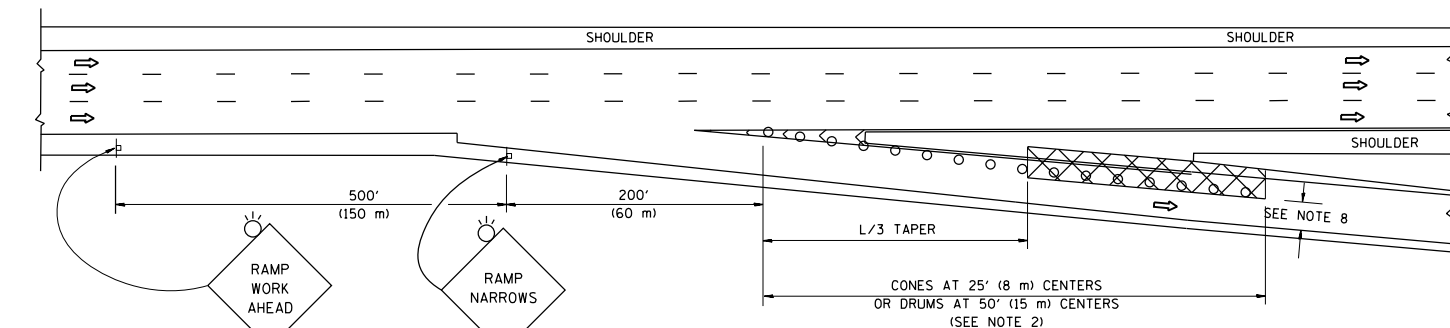
PARTIAL RAMP CLOSURE DETAILS



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

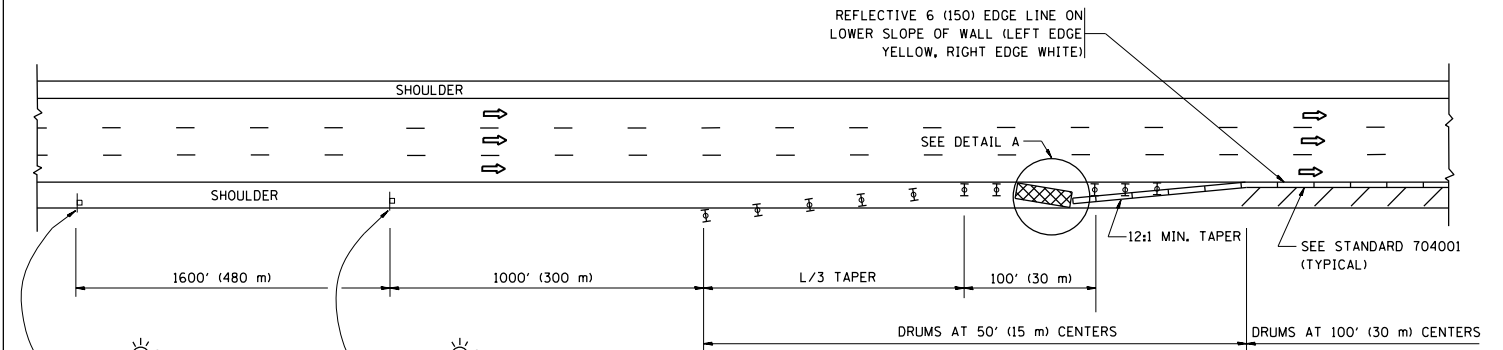
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

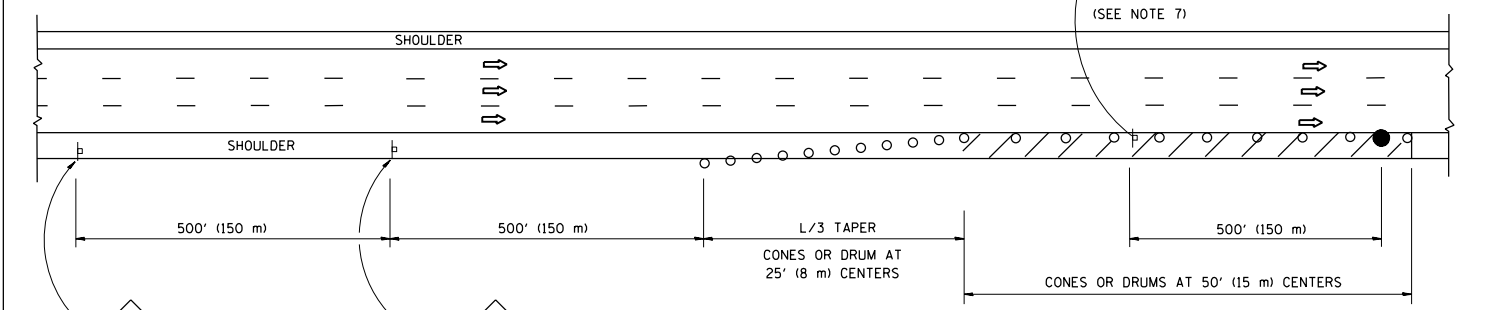
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. 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.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

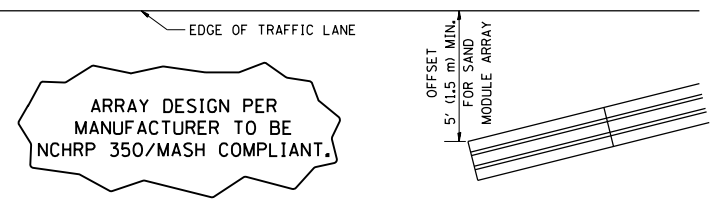
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

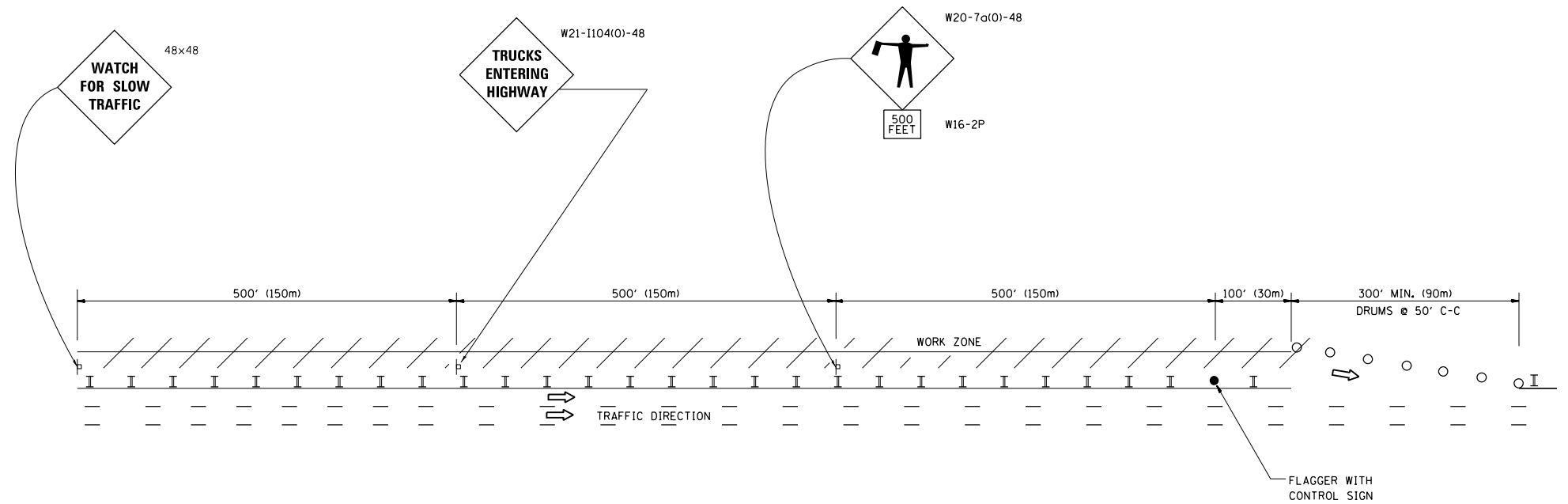
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCRACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

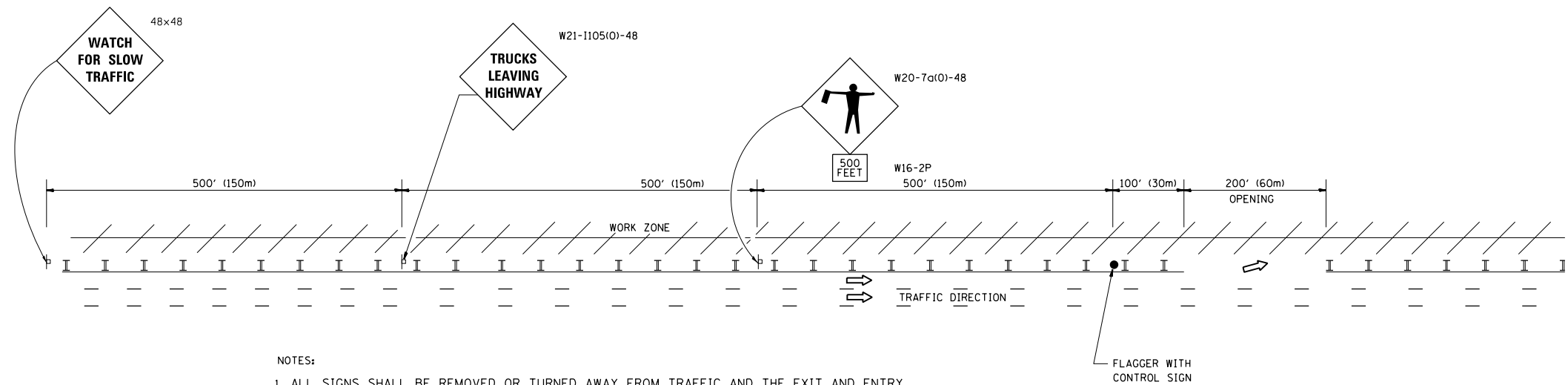
FILE NAME =	USER NAME = pociechal	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED - S.P.B. 12-09			D-1 OVD SIN STR REPL 18-34	VARIOUS	87	85	
		DATE - 11-96	REVISED - M.D. 06-13			TC-17		CONTRACT NO. 46472		
			REVISED - M.D. 01-18			ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

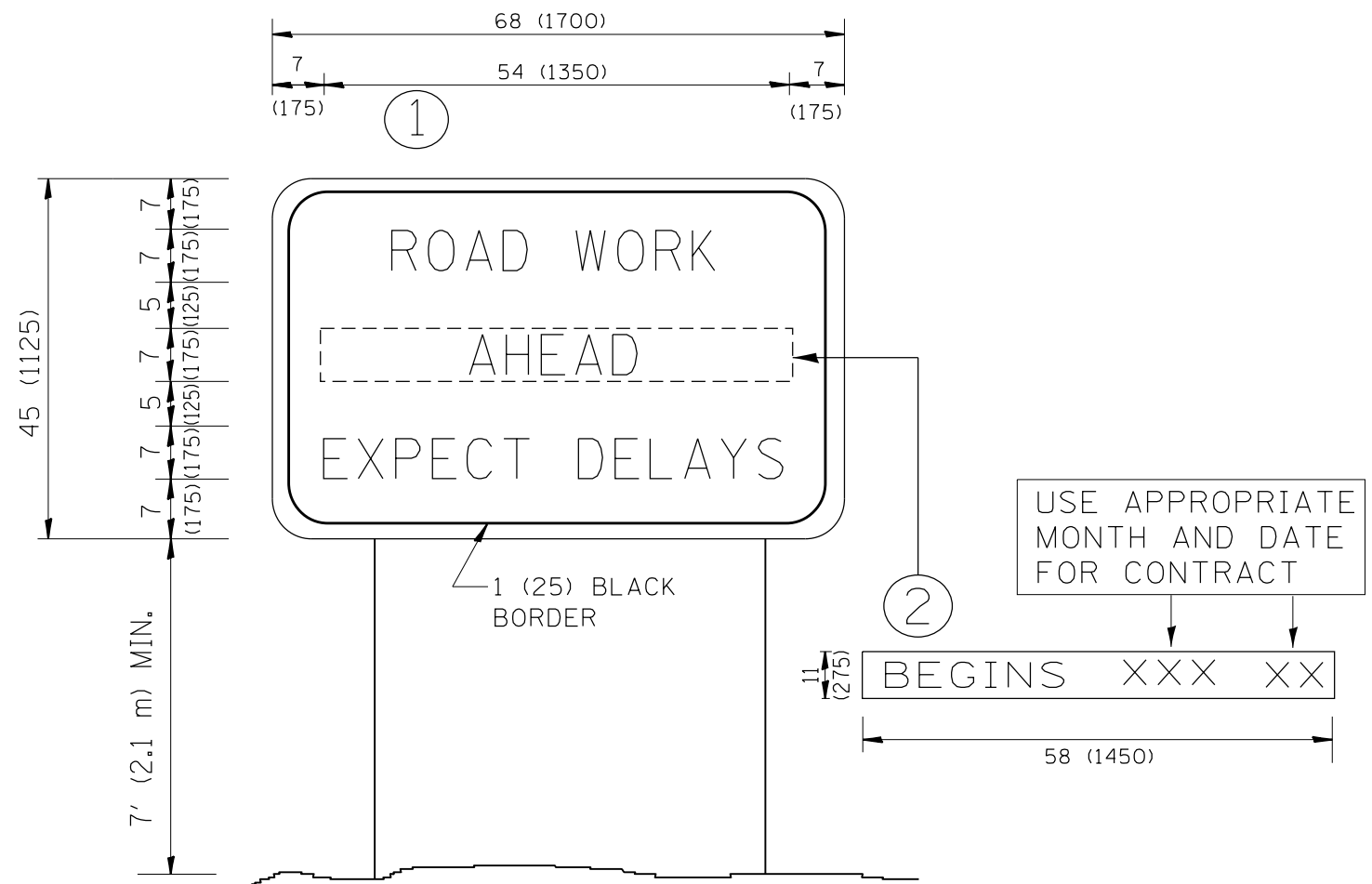


NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = poc1echal	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\M6000818\Drawings\Traffic\M6000818-shg-genno	DRAWN	REVISED - S.P.B. 01-07	REVISED - S.P.B. 12-09			D-1 OVD SIN STR REPL 18-34	VARIOUS	87	86	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 06-13			TC-18		CONTRACT NO. 46472		
	PLOT DATE = 8/16/2018	DATE -				SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = poc1echal	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\work\11084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\M6000818\Drawings\Traffic\M6000818-sht-genno		DRAWN -	REVISED - R. MIRS 12-11-97
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 8/16/2018	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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 18-34		VARIOUS	87	87
TC-22		CONTRACT NO. 46472		
ILLINOIS FED. AID PROJECT				