STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

INDEX OF SHEETS

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1. Cover Sheet 2.-3. Summary and schedule of Quantities 4.-24. Sign truss plans 25.-27 Sign designs

PROPOSED HIGHWAY PLANS

Various Routes SECTION D 2 OVD SIN STR REPL 11-09 HENRY, ROCKISLAND, WINNEBAGO Counties

C-60-009-11

STANDARDS 701101-02 701106-02 701400-04 701401-05 701411-06 701901-01

J.U.L.I.E. Joint Utility Location information for excavation 1—800—892—0123 OR 811

CONTRACT NO. 46132

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							ANTITIES	OF	MARY	SUN		, a
			WINNEBAGO COUNTY	ROCK ISLAND COUNTY	HENRY COUNTY	OO4O 100% STATE TOTAL QUANTITY	UNIT		PAY ITEM			CODE NUMBER
		• • •										
			0.2	0.6	0.2	1	L SUM				MOBILIZATION	67100100
			0.2	0.6	0.2	1	L SUM				TRAFFIC CONTROL AND	70101700
			94	1,294	310	1,698	SQ FT				SIGN PANEL - TYPE 3	72000300
			· · · · ·	180	91	271	FOOT		4'-0'' X 4'-6'')	CTURE - SPAN, TYPE I-	OVERHEAD SIGN STRUC	73300100
			·····	102		102	FOOT	· · · · · · · · · · · · · · · · · · ·	TYPE II-A (4'-6" X 5'-3")	CTURE - SPAN,	OVERHEAD SIGN STRUC	73300200
				221		221	FOOT		TYPE III-A (5'-0" X 7'-0")	CTURE - SPAN,	OVERHEAD SIGN STRUC	73300300
			28	27	· · · · · · · · · · · · · · · · ·	55	FOOT		TYPE II-C-A (36" X 5'-6")	CTURE - CANTILEVER,	OVERHEAD SIGN STRUC	73302170
			16	262	26	304	FOOT			CTURE WALKWAY	OVERHEAD SIGN STRUC	73305000
			7.2	115.7	20.0	142.9	CU YD			RETE FOUNDATIONS	DRILLED SHAFT CONCR	73400200
				5	1	6	EACH			GN STRUCTURE - SPAN	REMOVE OVERHEAD SIG	73600100
			1	1		2	EACH		CANTILEVER	GN STRUCTURE -	REMOVE OVERHEAD SIG	73600200
			1	11	2	14	EACH			DUNDATION - OVERHEAD		73700300
			1	11	2	14	ЕАСН		SIGN STRUCTURE - SPAN	UPPORT FOR OVERHEAD		73800100
			1	14	2	17	EACH				REMOVE EXISTING SIG	T9991300
				с С		8	EACH				REMOVE ELECTRIC SER	X0325265
			1	773	1	773	SQ FT				REMOVE AND REINSTAL	
						113		· · ·		LE STON FANEL		X0325220
											· · · · · · · · · · · · · · · · · · ·	
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SCHEDULE OF QUANTITIES

	2R028.8	
County: ROCK ISLAND Route: IL 92 M.P.: 28.6		tion:NB
Description of Work	Unit	Quantit
REMOVE OVERHEAD SIGN STRUCTURE-CANTILEVER	EACH	1.00
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE	EACH	1.00
OVERHEAD SIGN STRUCTURE-CANTILEVER TY II-C-A	FOOT	27.00
SIGN STRUCTURE WALKWAY	FOOT	12.25
SIGN PANEL TY 3	SO FT	72.00
REMOVE EXISTING SIGN PANEL	EACH	1.00
REMOVE ELECTRIC SERVICE	EACH	1.00
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	7.00
REMOVE CONCRETE FOUNDATION-OVERHEAD	EACH	1.00
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	741 001 7	
	74L001.3	tion:NB
Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN	Unit EACH	Ouantit
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE	EACH	2.00
OVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A	FOOT	86.00
REMOVE EXISTING SIGN PANEL	EACH	2.00
SIGN PANEL TYPE 3	SO FT	493.00
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY	SO FT FOOT	493.00 53.00
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE	F00T EACH	53.00
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE	F00T EACH	53.00
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	FOOT EACH CU YD	53.00 1.00 19.90
SIGN PANEL TYPE 3 SIGN STRUCTURE WALKWAY REMOVE ELECTRIC SERVICE DRILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	FOOT EACH CU YD	53.00 1.00 19.90

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County: ROCK ISLAND Route: I 88 M.P.: 17.2	38L017 . 3	
		tion:WB
Description of Work	Unit	Quantity
REMOVE OVERHEAD SIGN STRUCTURE-SPAN	EACH	1.00
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE	EACH	2.00
DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A	FOOT	94.00
REMOVE & RE-INSTALL SIGN PANEL	SQ FT	320.00
SIGN STRUCTURE WALKWAY	FOOT	34.00
REMOVE EXISTING PANEL	EACH	2.00
REMOVE ELECTRIC SERVICE	EACH	1.00
RILLED SHAFT CONCRETE FOUNDATIONS	CUYD	20.20
REMOVE CONCRETE FOUNDATION-OVERHEAD	EACH	2.00
	80R007.9	
County: HENRY Route: 180 M.P.: 7.9	Direc	tion:EB
County: HENRY Route: 180 M.P.; 7.9 Description of Work	Direc Unit	Quantity
County: HENRY Route: 1.80 M.P.; 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN	Direc Unit EACH	Ouantity 1.00
County: HENRY Route: 180 M.P.; 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A	Direc Unit EACH FOOT	Quantity 1.00 91.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 SIGN PANEL TYPE 3	Direc Unit EACH FOOT S0 FT	Quantity 1.00 91.00 310.00
County: HENRY Route: 180 M.P.; 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 SIGN PANEL TYPE 3 EMOVE EXISTING SIGN PANEL	Direc Unit EACH FOOT SO FT EACH	Ouantity 1.00 91.00 310.00 2.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 SIGN PANEL TYPE 3	Direc Unit EACH FOOT S0 FT	Quantity 1.00 91.00 310.00
County: HENRY Route: 180 M.P.; 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE I-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE	Direc Unit EACH FOOT SO FT EACH EACH	Quantity 1.00 91.00 310.00 2.00 1.00
County: HENRY Route: 180 M.P.; 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE I-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY	Direc Unit EACH FOOT SO FT EACH EACH FOOT	Quantity 1.00 91.00 310.00 2.00 1.00 26.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN SUGRIEAD SIGN STRUCTURE-SPAN, TYPE I-A SIGN PANEL TYPE 3 REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY STRUCTURE WALKWAY STRUCTURE WALKWAY	Direc Unit EACH FOOT SO FT EACH EACH FOOT CU YD	Quantity 1.00 91.00 310.00 2.00 1.00 26.00 20.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY DTILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	Direc Unit EACH FOOT SO FT EACH EACH FOOT CU YD EACH	Quantity 1.00 91.00 310.00 2.00 1.00 26.00 20.00 2.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY DTILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	Direc Unit EACH FOOT SO FT EACH EACH FOOT CU YD EACH	Quantity 1.00 91.00 310.00 2.00 1.00 26.00 20.00 2.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY DTILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	Direc Unit EACH FOOT SO FT EACH EACH FOOT CU YD EACH	Quantity 1.00 91.00 310.00 2.00 1.00 26.00 20.00 2.00
County: HENRY Route: 180 M.P.: 7.9 Description of Work REMOVE OVERHEAD SIGN STRUCTURE-SPAN DVERHEAD SIGN STRUCTURE-SPAN, TYPE 1-A SIGN PANEL TYPE 3 REMOVE EXISTING SIGN PANEL REMOVE ELECTRIC SERVICE SIGN STRUCTURE WALKWAY DTILLED SHAFT CONCRETE FOUNDATIONS REMOVE CONCRETE FOUNDATION-OVERHEAD	Direc Unit EACH FOOT SO FT EACH EACH FOOT CU YD EACH	Quantity 1.00 91.00 310.00 2.00 1.00 26.00 20.00 2.00

Location No.		State I.				21026.6	
	ROCK ISLAND	Route:	<u>IL 92</u>	M.P.;	26.6		tion:EB
Description						<u>Unit</u>	Quantity
	AD SIGN STRUC					EACH	1.00
	STRUCTURE-SP	AN TYPE III	-A			FOOT	102.00
REMOVE EXISTI	NG SIGN PANEL					EACH	3.00
SIGN PANEL TY	3					SQ FT	350.00
SIGN STRUCTUR		1				FOOT	54.00
REMOVE ELECTI						EACH	1.00
	EL SUPPORT FOR		GN STRUCTU	re		EACH	2.00
DRILLED SHAFT	CONCRETE FOUR	NDATIONS				CU YD	22.00
REMOVE CONCR	TE FOUNDATION	+OVERHEAD	• •		с. С. С. С	EACH	2.00
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ocation No.	2-06 ROCK ISLAND	State I. Route:	D. No.:	M.P.:	25081509		
County: 1	ROCK ISLAND						tion:NB
County: 1 Description	ROCK ISLAND	Route:				Direc	
County: 1 Description REMOVE OVERH	OCK ISLAND	Route:	I 92			Direc Unit	tion:NB Quantity
County: 1 Description REMOVE OVERH OVERHEAD SIGN	ROCK ISLAND of Work AD SIGN STRUC	Route: TURE-SPAN AN, TYPE II-	I 92	M.P.:		Direc Unit EACH	tion:NB Quantity 1.00
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE	ROCK ISLAND of Work ad Sign Struc Structure-Sp El Support for	Route: TURE-SPAN AN, TYPE II-	I 92	M.P.:		Direc Unit EACH F00T	tion:N8 Quantity 1.00 102.00
County: 1 Description REMOVE OVERHI OVERHEAD SIGN STRUCTURAL STE	ROCK ISLAND of Work ad Sign Struc Structure-Sp El Support for	Route: TURE-SPAN AN, TYPE II-	I 92	M.P.:		Direc Unit EACH FOOT EACH	tion:NB Quantity 1.00 102.00 2.00
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR	COCK ISLAND DF Work AD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY	Route: TURE-SPAN AN, TYPE II-	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT	tion:NB Ouantity 1.00 102.00 2.00 53.83
County: 1 Description REMOVE OVERH OVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR	COCK ISLAND DF Work AD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY	Route: TURE-SPAN AN, TYPE II-	I 92	M.P.:		Direc Unit EACH FOOT EACH	tion:NB Quantity 1.00 102.00 2.00
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI	OCK ISLAND of Work ad SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY NC SERVICE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SI	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH	tion:N8 Quantity 1.00 102.00 2.00 53.83 1.00
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT	COCK ISLAND DF Work AD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY NC SERVICE CONCRETE FOUL	Route:	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD	tion:N8 Quantity 1.00 102.00 2.00 53.83 1.00 24.20
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCRI	COCK ISLAND Df Work AD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY NC SERVICE CONCRETE FOUNDATION	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH	2110n:NB Quantity 1.00 102.00 2.00 53.83 1.00 1.00 24.20 2.00
County: 1 Description REMOVE OVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH	2110n:NB Quantity 1.00 102.00 2.00 53.83 1.00 1.00 24.20 2.00
County: 1 Description REMOVE OVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERH DVERHEAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCRI	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERHAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERHAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERHAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00
County: 1 Description REMOVE OVERHAD SIGN STRUCTURAL STE SIGN STRUCTUR REMOVE ELECTI DRILLED SHAFT REMOVE CONCR REMOVE CONCR	OCK ISLAND of Work IAD SIGN STRUC STRUCTURE-SP EL SUPPORT FOR E WALKWAY IC SERVICE CONCRETE FOUL TE FOUNDATION TIG SIGN FANE	Route: TURE-SPAN AN, TYPE II- OVERHEAD SIG NDATIONS N-OVERHEAD	I 92	M.P.:		Direc Unit EACH FOOT EACH FOOT EACH CU YD EACH EACH	tion:NB Quantity 1.00 2.00 53.83 1.00 2.00 2.00 2.00 2.00 3.00

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ocation No.: 2-07 State I.D. No.: 25081108	8L016.6	
County: ROCK ISLAND Route: I-88 M.P.: 16.6		tion:WB
Description of Work	Unit	Quantit
REMOVE OVERHEAD SIGN STRUCTURE-SPAN	EACH	1.00
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE	EACH	2.00
DVERHEAD SIGN STRUCTURE-SPAN, TYPE 111-A	FOOT	119.00
SIGN STRUCTURE WALKWAY	FOOT	55.00
REMOVE ELECTRIC SERVICE	EACH	1.00
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	22.40
REMOVE CONCRETE FOUNDATION-OVERHEAD	EACH	2.00
REMOVE & RE-INSTALL SIGN PANEL	SO FT	453.00
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ocation No.: 2-08 State I.D. No.: 2C101S25	51R010 7	
County: WINNEBAGO Route: IL 251 M.P.: 10.7		tion:WB
Description of Work	Unit	Quantit
REMOVE OVERHEAD SIGN STRUCTURE-CANTILEVER	EACH	1.00
STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE	EACH	1.00
DVERHEAD SIGN STRUCTURE-CANTILEVER TYPE II-C-A	FOOT	28.00
SIGN STRUCTURE WALKWAY	FOOT	15.75
		1
REMOVE ELECTRIC SERVICE	EACH	1.00
DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	7.20
REMOVE CONCRETE FOUNDATION-OVERHEAD	EACH	1.00
REMOVE EXISTING SIGN PANEL	EACH	1.00
SIGN PANEL, TYPE 3	SO FT	94.00
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1.00	
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E REPLACEMENT	•		VARIOUS	27	3
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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

f'c = 3.500 p.s.i.

fy = 60,000 p.s.i. (reinforcement)

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

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

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved alternate, and must have matching lock puts. Threaded study 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 Evebolt 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 AASHTO M314 Gr. 36, 55 or 105 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F.

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

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

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

* 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

AL	OVERHEAD SI GENERAL PLA UMINUM TRUSS	N & ELEVA	TION		
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Structure		Design	Exte	rior Units	(2)	•	Interio	r Unit			& Lower hord		zontals: Vertical. Interior Diagonals	Camber			Splicing	Flange		
Number	Station	Truss Type	No. Panels per Unit	Unit Lath.(Le)	Panel Lgth.(P)	No.) Reg'd.			Panel) Lgth.(P)	· · ·	Wall	0.D.	Wall	at Midspan	Bolt No./Splice		Weld W	Sizes W1	A	В
250371080R007.9	453+16	I-A	6	31' 12"	4' 10'2"	1.	6	30' 6"	4' 10'2"	51/2"	5/6 "	2'2"	⁵ /6 "	234"	6	78"	38"	4"	9'4"	12'4
2S0811088L017.3	323+16	I-A	7	33' 6'4"	4' 6'4"	1	6	28' 4'2	* 4' 6'4*	5'2"	516 "	2'2"	5/6 "	3"	6	78"	3."	4"	9' 4 "	12'4
2S081S092R026.0	517+21	II-A	7	36' 5'4"	4' 11'4"	1	6	30' 10'2	<i>4' 11'4</i> "	6'2"	516 "	3"	⁵ /6 "	34"	6	1"	38"	4"	11"	14'2'
250811088L016.6	285+84	III-A	6	30' 6"	4' 9'4"	2			" 4' 9' ₄ "	7"	5/6*	-3'4"	⁵ /6 "	3'4"	6	<i>I</i> "	716	5/6"	11/2"	15"
250815092L026.6	484 + 19	III-A	7	36' 5'4"	4' 11'4"	1	6	30' 10'2	" 4' <u>11'</u> 4"	7"	⁵ /6	34"	516 *	2'4"	6	·/"	7/6	5/6 "	11'2"	15"
2S0811074L001.3	<u>296+21</u>	<u>I-A</u>	6	29' 4'2'	4' 7"	1	6	28' 9"	4' 7"	5"	5/6 *	2'2"	5 ₁₆ "	2'2"	6	⁷ 8"	⁵ /6 "	4"	8 ³ 4"	<u> </u> 34"
																				<u> </u>
			<u> </u>	<u> </u>		l				I										<u> </u>



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

SECTION B-B

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

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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

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- () In lieu of fabricated handhole frame as shown, may cut from $2^{\prime\prime}$ plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 min or less.
- Calvanizing 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 not 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.

ucture	Station	Sup	port	Truss	Pipe Wall	н	
mber	Sidilon	Left	Right	Туре	Thickness	6	A
0R007.9	453+16	X		I-A	0.279	29.00	22' 5*
0R007.9	453+16		X	<i>I-</i> A	0.279	29.00	22' 5"
BL017.3	323+16	X		I-A	0.279	29.00	22' 5"
BL017.3	323+16		X	<i>I-A</i>	0.279		22' 5"
2R026.0	517+21	X		II-A	0.365		21' 7'4"
2R026.0	517+21		X	II-A	0.365	29.00	21' 7'4"
LOO1.3	296+21	X		I-A	0.279	24' 7"	
LO01.3	296+21		X	I-A	0.279	29' 7"	23.00
		1.00					

	OVERHEAD SUPPORT FRAME		STRUCTURES ALUMINUM TRUS	S		
EPL/	SIGN ACEMENT	F.A RTE	SECTION ••	COUNTY VARIOUS CONTRACT	TOTAL SHEET 27 NO.	
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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 min 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 areater
- For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Structure	Station	Sup	oort	Pipe Wall	H	
Number	51011011	Left	Right	Thickness	6	A
250811088L016.6	285+84	X		0.33	31' 2"	22' 0'4"
2S0811088L016.6	285+84		X	0.33	32' 8"	23' 6'4"
250815092L026.6	484+19	X		0.33	28' 8"	19' 6' 4 "
250815092L026.6	484+19		X	0.33	33' 8"	24' 6'4"
		1.1				

SU	UPPORT FF	STRUCTURE RAME FOR IMINUM TRUS			
		-			
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BRACKET TABLE							
WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6							
Sign V	Number						
Greater Than	Less Than or Equal To	Brackets Required					
	8'-0"	2					
8'-0''	14'-0''	- 3					
14'-0''	20'-0''	4					
20'-0''	26'-0"	5					
26'-0"	32'-0"	6					

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ICT 2 SIGN E REPLACEMENT	F.A. RTE	SECTION	COUNTY VARIOUS CONTRACT	TOTAL SHEETS 27 NO.	SHEET NO. 12 46132
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BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
V4(E)	24	#9	F less 5"	·
#4 bo	ır spiral (i	E) - see	Side Elevatio	n

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

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

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

Permanent metal forms or other shielding may not be sleft 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

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

	Right Fo	undation			Class DS
at ion op	Elevation Bottom	A	B	F	Concrete (Cu. Yds.)
1.00	82.50	2.2	16.5	18.7	20.0
.00	84.50	2.0	16.5	18.5	20.2
.00	77.10	2.4	20.5	22.9	24.2
.00	79.50	3.0	16.5	19.5	19.9
			· · · ·	-	

OVERHEAD SIGN STRUCTURES DRILLED SHAFT DETAILS

ILLINOIS FED. AID PROJECT
CONTRACT NO. 46132
• • • VARIOUS 27 15
F.A. SECTION COUNTY TOTAL SHEET NO.



_____ SHEET NO. __ OF ___

<u> BAR LIST – EACH FOUNDATION</u>	BAR	LIST	- EACH	FOUNDA	T ION
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Bar	Number	Size	Length	Shape
V4(E)	24	#9	F less 5"	
#4 ba	ar spiral (E	:) - see	Side Elevation	n

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

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

prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation 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

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

	Right Fo	oundation			Class DS
ation op	Elevation Bottom	А	B	F	Concrete (Cu. Yds.)
9.0 00	78.0 79.3	3.0	18.0	21	22.0
00	79.3	3.7	18.00	21.7	22.4
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OVERHEAD SIGN STRUCTURES DRILLED SHAFT DETAILS

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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.

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

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

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved atternate, 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 Hat Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to AASHTO M314 Gr. 105 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat 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.

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

ICT 2 S	IGN	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
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Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
376+96	II-C-A	27'	6	4' 2"
161+48	II-C-A	28'	6	4' 4"
	~			



<u>PLAN DETAIL</u>





Aluminum Cantilever Sign Structure

<u>GENERAL NOTES</u> One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)

Materials:

Damper:

Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

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	Station	WGL	ED	TGL
2 8.8 .7	376+96 161+48	12' 3"	14' 9"	25' 6" 26' 6"
.7	161+48	15' 9"	12' 3"	26' 6"
		<u> </u>		
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	A	LUMINUM W	ALKWA	STRUCTURES Y DETAILS STEEL POST			-
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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 Bridge Seat Sealer application will be required on concrete s "Drilled St

				FOUNDAT	ION DATA T	ABLE				
	Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	
1	2C08IS092R028.8	376+96	II-C-A	3' 6"				2.5'	17'	
2	2C101S251R010.7	161+48	II-C-A	3' 6"				3.0'	17'	
			L							
	-								ļ	_
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n surface finish followed by a Bridge Seat Sealer applicati surfaces above the lowest elevation 6" below finished ar							OUNDATION DESI	GN TABLE				
Shaft Concrete Foundation".				Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anch No.	or Rods Diameter (in)	Anchor Rod Circle Diameter (in)
	NUMBER	REVISION	DATE	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
chmark 100.00 is on top of the steel base plate of the existing sign support				II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
cheart 100.00 is on top of the steel base plate of the existing sign support				III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
				III-C-A	0SC-A-5	35	250	3.5	22.5	12	2	30
				III-C-A	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
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