

GENERAL NOTES

DESIGN: Current (at time of letting) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions. ("Standard Specifications") All references to "Mast Arm Assembly and Pole" are applicable, unless otherwise noted.

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

ANCHOR RODS: Shall meet Charpy V-notch (CVN) energy of 15 ft-lb at 40° F. No welding shall be permitted on rods.

FASTENERS: All connection bolts shall be High Strength Bolts MI64, Galvanize M232 (A153), Type 3, or stainless steel heavy hex conforming to ASTM A193, Grade B8 or B8M, Class 1. U-bolts shall be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished, or an equivalent material acceptable to the Engineer. Nuts for stainless steel bolts shall be stainless steel conforming to ASTM A194, Grade 8 (AISI Type 304) or Grade 8F (AISI Type 303). All nuts shall be "locknuts" with nylon or steel inserts and semifinished hexagonal heads equivalent to the finished heavy hex series of the American National Standard. Washers for stainless steel bolts shall be stainless steel conforming to ASTM A240, Type 302 or 304.

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

EXISTING SIGNS: Existing Sign Panels and Sign Panel Assemblies are to be removed from the existing sign structure to be removed and relocated to the proposed sign structure. See Special Provision "Remove Overhead Sign Structure, Monotube".

UTILITIES: All utilities shown are for information only. The contractor is responsible for verifying the location of all utilities prior to excavating for the concrete foundations.

CAMBER: Minimum AASHTO camber = L / 1000 + dead load camber

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

BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE - SPAN, DUAL MONOTUBE	Foot	118.33
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	9.6
DRILLED SHAFT IN ROCK	Cu. Yds.	57

SIGN STRUCTURE DATA TABLE

← © Dual Monotube

₹ 55 🙏

Elevation A

€ to € Poles

The Contractor shall verify the span length (center to center of poles), pole heights and top elevation of foundations prior to ordering materials.

ELEVATION

Looking at face of signs.

Looking upstation for structures with signs both sides.

(Location varies)

⋿ то **∃** Decatur

72

Pinned connection clamped

TO

36

Handhole with frame

(Away from traffic)

and cover both poles.

Edge of Pavemen

to pole, typ.

35

85

13'-0"x4'-6"

Design Sign/Signal Area 300 Sq. Ft., max.

Champaign

C Alignment

Clear Lake Ave.

Structure Number	Station	© to © Poles	Elevation A	Dimension D	Actual Sign/Signal Area	Left Foundation					Right Foundation					Class SI
						Elevation Top	Elev. Bottom	Α	В	F	Elevation Top	Elev. Bottom	А	В	F	Concrete (Cu. Yds.)
	21+95	118'-4"	585.25	61"	278.52 SQ.FT.	585.20	566.95	3"	18'-0"	18'-3"	585.58	567.33	3"	18'-0"	18'-3"	9.6

3'x3'___ 3'x3'_ 10'-0"x5'-0" TO Capitol Complex ILLINOIS ILLINOIS Lincoln Library ↑ Pekin ALPLM 29 97 and Museum ↑ Havana Historic Sites ↑ SIU Med Sch 1 War Memorials

WESTBOUND SIGN PANELS

SHEET 4 OF 9

CHECKED BY SJK

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DATE 08/05

NUMBER REVISION DATE

BLANK. WESSELINK. COOK & ASSOCIATES

12-1-08

DUALTUBE - 1

Removable weatherproof

Sign Panel-See IDOT Standard Specifications for Traffic Control Items

±2½" stainless steel standard grade

wire cloth, \(\frac{1}{a} \) maximum opening with

minimum wire diameter of AWG No. 16

with 34" stainless steel banding after

anchor bolt nuts are fully tightened.

Add bolt covers or shrouds where

applicable.

with $2^{\prime\prime\prime}$ lap. Secure to the base plate

cap, typ.

typ.

Flevation

ENGINEERS - CONSULTANTS

DECATUR, ILLINOIS

D-6 SPFLD-CLRLAKE DIRKSEN 2002

Bottom of Base

Plate, typ.

Top of Right

Foundation

Elevation

Drilled Shaft Foundation (See Details, typ.)

* Estimated Top of Rock Elevation 571.0

SANGAMON COUNTY