



BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.

BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.

3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.

4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.

5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.

6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5,0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3,0	1,0

Foundation Foundation Spiral Quantity of Depth Diameter Diameter Rebars Less than 30' (9.1 m) Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m) 13'-6" (4.1 m) 30" (750mm) 24" (600mm) 11'-0" (3.4 m) 36" (900mm) 30" (750mm) 7(22) 13'-0" (4.0 m) 15'-0" (4.6 m) 36" (900mm) 30" (750mm) 7(22) Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m) 21'+0" (6.4 m) 8(25) 42" (1060mm) 36" (900mm) Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) 25'-0" (7.6 m) NOTES:

FOUNDATION	DEPTH			
TYPE A - Signal Post	4'-0" (1.2			
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2			
TYPE D - CONTROLLER	4'-0" (1.2			
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SOUARE	4'-0" (1.2			

COUNTY TOTAL SHEE

DEPTH OF FOUNDATION

CABLE SLACK

VERTICAL CABLE LENGTH

1. These foundation depths are for sites which have cohesive soils (dayey slif, sandy clay, etc.) along the length of the sharf, with an average Unconfined Compressive Strength (0,0) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineed during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design If other conditions are encountered. 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter

SCALE:

Combination mast arm assemblies under 56 feet ([6.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameterfoundations.

4. For most arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	TECHNOIS DEPARTMENT OF TRANSFORTATION
	5/30/00	
	3/15/01	DISTRICT ONE
	11/12/01	DISTRICTORL
		STANDARD TRAFFIC SIGNAL
		DESIGN DETAILS
		DESIGN DETAILS
		UBAWN BY BCK

712701) TRAFFIC SIGNAL IGN DETAILS
	SCALE: NONE	DRAWN BY: BCK DESIGNED BY: DAD CHECKED BY: DAD SHEET 5 OF 6
		TS05

	300 W. ADAMS ST. CHICAGO, IL 60606
SINGH & ASSOCIATES, INC.	TEL: (312) 629-0240
CONSULTING ENGINEERS	FAX: (312) 629-8449

	USER NAME = \$USER\$	DESIGNED -	PKT	REVISED -
		DRAWN -	PKT	REVISED -
0	PLOT SCALE = \$SCALE\$	CHECKED -	GR	REVISED -
,	PLOT DATE = 3/22/2011	DATE -	3-25-2011	REVISED -

CENTRAL AVENUE OVER 1–55	F.A. RTE.		SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	55	9(H,	HB 8	k SB)R-	L	COOK	741	204
VIARDAID HALLO VIGIAL DEVIGE DELAILO						CONTRAC	T NO. 6	0999
SHEET NO. 5 OF 5 SHEETS STA. TO STA.	FED. RO	DAD DIST. I	VO.	ILLINOIS	FED. AI	D PROJECT		

j:\155\dgn\D160999-SHT-TS-STD5.dgn

z 11/4/2009 z ct/pw_work = 56,58900 '/ = beuerd!

DATE VAME SCALE NAME PLOT PLOT USER