



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.

TEMPORARY SIGNAL CONTROLLER

WOOD SUPPORT PLATFORM

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

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6.5 13.0 2.0 2.0 1.5 13.0 1.5 0.5 1.5 0.5 5.0 1.6

FEET METER

VERTICAL CAB LENGTH FEET METER MAST ARM POL (L = MAST ARI (MAST ARM MOUNTED SIGNAL HEAD) LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) 20.0+L 6.0+L 13.0 4.0 6.0 2.0 13.5 4.1 13.5 4.1 6.0 2.0 BRACKET MOU PEDESTRIAN ED (MAST ARM POLE OR SIGNAL POLE) H BUTTON SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP SERVICE INSTALLATION POLE MOUNT TO GROUND SERVICE INSTALLATION GROUND MOUNT FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)

VERTICAL CABLE LENGTH

| Foundation | Foundation | Spiral | Diameter | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 11'-0" (3.4 m) | 36" (900mm) | 30" (750mm) | Mast Arm Lenath Less than 30' (9.1 m) Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) 6(19) 7(22) 13'-0" (4.0 m) 36" (900mm) 30" (750mm) 7(22) 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) 25'-0" (7.6 m) 42" (1060mm) 36" (900mm) 8(25)

NOTES:

- 1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
- 2. Combination most arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameterfoundations.

SCALE:

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

DEPTH OF FOUNDATION

CABLE SLACK LENGTH

CONTROLLER CABINET FIBER OPTIC AT CABINET

ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)

GROUND CABLE (BETWEEN FRAME AND COVER)

GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)

CABLE SLACK

MAST ARM

DATE NAME SCALE NAME PLOT PLOT USER

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

REVISIONS		ILLINOIS DEPARTMEN	T OF	TRANSPORTATION
NAME	DATE	TELTINOTS DEL ANTINE		TRANSFORTATION
	5/30/00			
	3/15/01	DISTR	CT	ONE
	11/12/01			
		STANDARD TI	RAFF	IC SIGNAL
		DESIGN	DE:	TATIC
		DESIGN	DΕ	AILS
		SCALE: NONE		DRAWN BY: BCK DESIGNED BY: DA
		SCALE! NONE		CHECKED BY: DAI
				CHEET E OF C

SINGH & ASSOCIATES, INC. TELL (312) 629-0240 CONSULTING ENGINEERS FAX: (312) 629-8449

USER NAME = user	DESIGNED	-	VP	REVISED	-
	DRAWN	-	YJ	REVISED	-
PLOT SCALE = \$SCALE\$	CHECKED	-	LGP/GR	REVISED	-
PLOT DATE = 11/2/2012	DATE	-	11-02-2012	REVISED	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

STANDARD TRAFFIC SIGNAL DESIGN DETAILS IL ROUTE 19 (IRVING PARK RD.) AT YORK ROAD	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	1321	32VB	DUPAGE	388	131	
IL HOOTE 13 (HIVING TANK ID.) AT TORK HOAD		CONTRA		CONTRACT	T NO. 60W01	
	CHEET NO 10 OF 27 CHEETS STA TO CTA					

TS05