

<u>Notes:</u>

- 1. The Engineer shall determine the class of soil during excavation. 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) > 100 kPa (1.0 tsf). 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. The anchor bolts and raceways shall be properly secured in place.
- 3. Concrete shall be class "SI" Concrete and the foundation must be cured for ten (10) days before the pole is erected.
- 4. The cable trench shall be backfilled and firmly compacted before the pole is erected.
- 5. For sloping grades, the foundation design depth shall be increased by the corresponding cross slope shaft depth increase factor given by:
 - A. Cohesive soil cross slope shaft increase factor 0.009 x (slope angle) + 1.0
 - B. Granular soil cross slope shaft increase factor 0.00005 x (slope angle) + 1.0
- 6. Install grounding system in accordance with Section 807 of the IDOT Standard Specifications.

FILE	NAME	=
\ITS	(IDO	T)\D468620-ITS-49.dgn

USER NAME = ayousif	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/26/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER DETAIL FOR TRAFFIC COUNTERS				
: NONE	SHEET NO. 49 OF 50 SHEETS	STA.	TO STA.	Г

	ILLINOIS FED. AI	D PROJECT		
		CONTRACT	NO. 6	862
74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	171
F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHE