

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00052-00-LT	COOK	10	9
BUSSE			
LIGHT	ING DETAILS		

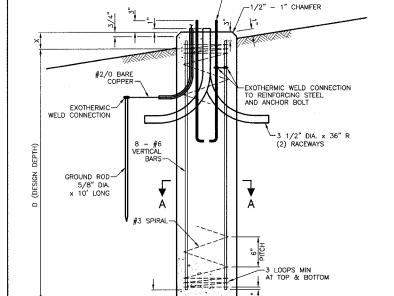
DESIGN TABLE LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION D			
SOFT CLAY	13'-0"			
MEDIUM CLAY	9'-6"			
STIFF CLAY	7'-0"			
LOOSE SAND	9'-0"			
MEDIUM SAND	8'-3"			
DENSE SAND	7'_9"			



License expense 11-30

- 10-#6 BARS EQUALLY SPACED Ç LIGHT POLE COMPACTED CA-6 VARIES, 4'-6" MAX. BACKFILL-← Ç LIGHT POLE -FINISHED GRADE 6'-9" VARIES, 4'-6" MAX. * -4 - 1" ANCHOR BOLTS WITH HEX NUTS AND WASHERS, ASTM 687 STEEL ANCHOR BOLTS --15" DIA. BOLT CIRCLE * CONTACT THE ENGINEER FOR OFFSETS GREATER THAN 4'-6" <u>PLAN</u> VARIES, 6'-9" MAX. ANCHOR BOLTS 5-#6 ❷ EXISTING UTILITY 2'-0" 4 §" CTS. -5 REQUIRED MIN. VARIES © 12" CTS. CHAMFER EXPOSED EDGES. 10-#6 BARS EQUALLY SPACED SEE DETAIL "LIGHT POLE FOUNDATION, 24" DIAMETER" FOR CONDUITS, ANCHOR BOLT CIRCLE, GROUND ROD, ETC. SECTION A-A SECTION B-B 2'-0" DIA, DRILLED IN PLACE CONCRETE SHAFT



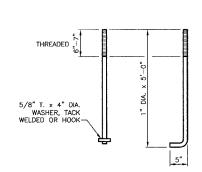
15" BOLT CIRCLE

TOP VIEW

3 1/2" DIA. RACEWAYS PARALLEL TO EDGE OF PAVEMENT

-- ANCHOR BOLT (ASTM 687) 4'-1" DIA. x 5'-0" (SEE NOTE 12)

GROUND CONDUCTOR SLEEVE 1" PVC DUCT



ANCHOR BOLT DETAIL

NOTES:

LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET

- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE. THE CONTRACTOR SHALL NOT ORDER REINFORCEMENT BARS UNTIL THE OFFSET AND DIMENSION D ARE DETERMINED.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" OR 30" IN DIAMETER.
- THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" CENTER.
- THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONRETE IS PLACED IN THE FORM.
 THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND
- THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
- CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
 THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.
- 9. ANCHOR BOLTS SHALL PROJECT 3" ABOVE THE TOP OF THE FOUNDATION.
- 10. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
- THE CONTRACTOR SHALL COORDINATE THE EXTENSION OF ANCHOR BOLTS
 ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S
 REQUIREMENTS.
- A MINIMUM OF 3" OF THE THREADING ON THE ANCHOR BOLTS SHALL REMAIN BELOW THE TOP OF THE FOUNDATION.

REVISIONS	ILLINOIS DEPARTMENT OF TRANSPORTATION					
NAME DATE	BUSSE ROAD (IL 83) ROADWAY LIGHTING					
	LIGHTING DETAILS					
	DATE: 07/10/200 CHECKED BY: D.N.M					

DESIGN TABLE - LIGHT POLE FOUNDATION, 24" DIAMETER

	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION				
TYPE OF SOIL	SINGLE ARM TWIN A	TWIN ARM	TWIN ARM SINGLE	E ARM	TWIN	TWIN ARM	
		D	VERT, BARS	SPIRAL	VERT, BARS	SPIRAL	
SOFT CLAY	13'-0"	15'-0"	8-#6 × 12'-6"	#3 x 122'	8-#6 x 14'-3"	#3 × 141'	
MEDIUM CLAY	9'-6"	10'9"	8-#6 × 9'-0"	#3 × 90'	8-#6 × 10'-0"	#3 × 100'	
STIFF CLAY	7'-0"	8'-0"	8-#6 x 6'-6"	#3 × 66'	8-#6 x 7'-6"	#3 × 76'	
LOOSE SAND	10'0"	11'-0"	8-#6 × 9'-6"	#3 × 94'	8-#6 x 10'-6"	#3 ×103'	
MEDIUM SAND	8'-3"	9'-0"	8-#6 x 8'-0"	#3 × 78'	8-#6 x 8'-6"	#3 × 85'	
DENSE SAND	7'-9"	9'-0"	8-#6 x 7'-6"	#3 × 73°	8-#6 x 8'-6"	#3 × 85'	
ROCK OR SOLIDIFIED SLAG	5'-0"	5'-0"	NONE	NONE	NONE	NONE	



LIGHT POLE FOUNDATION, 24" DIAMETER

