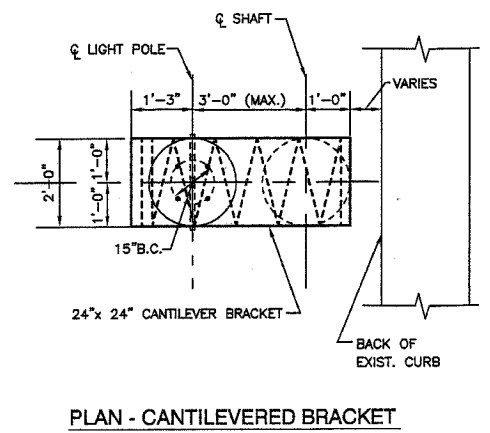
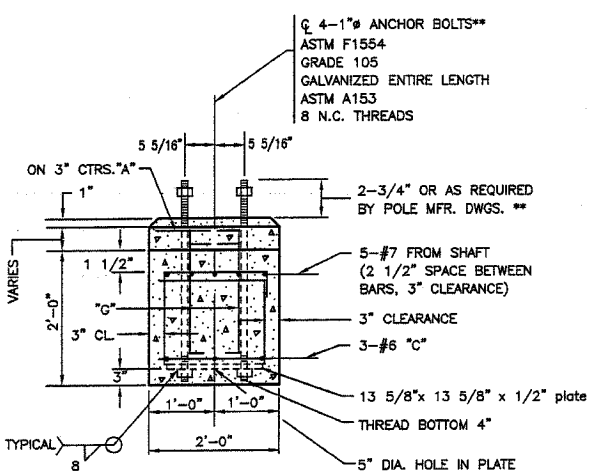
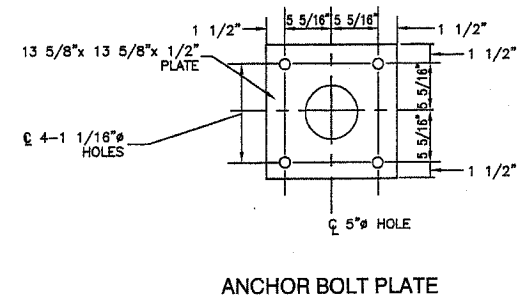
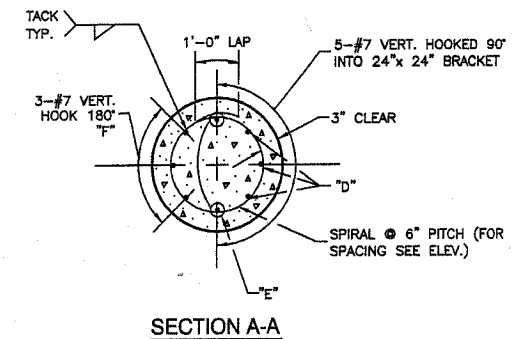


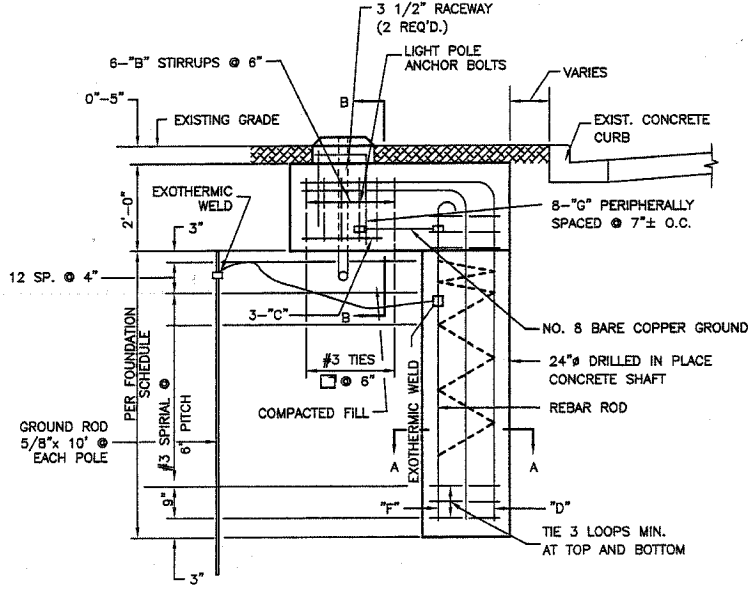
FAP. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034 N-1	COOK	71	43
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



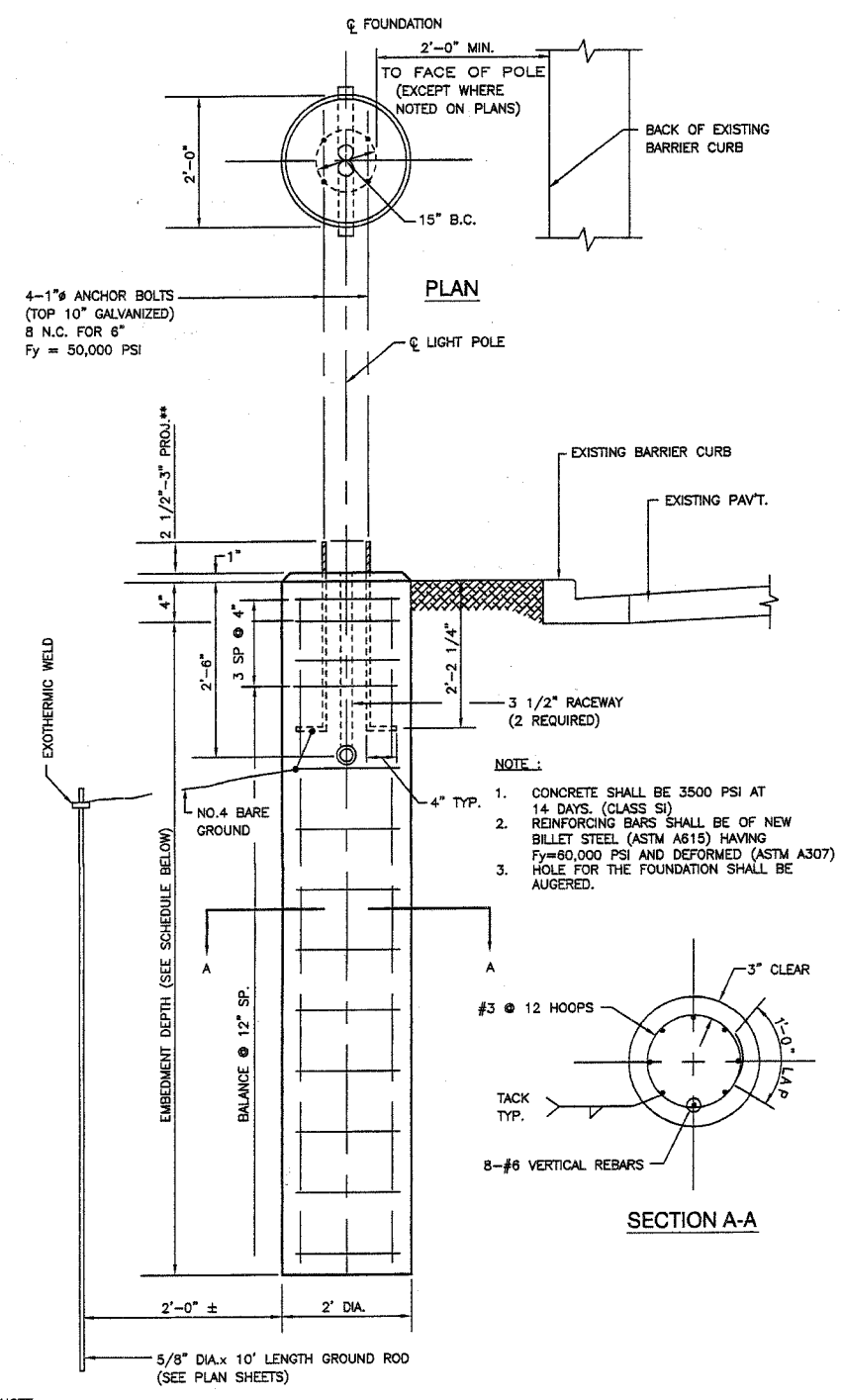
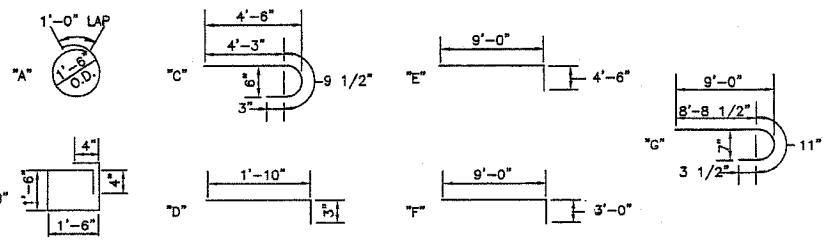
****NOTE:**
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

- NOTE:**
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
 2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
 3. HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
 4. POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
 5. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER

BILL OF MATERIALS				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	○
6	B	NO.3	6'-8"	□
3	C	NO.6	5'-31/2'	—
8	G	NO.6	2'-1"	—
3	D	NO.7	13'-6"	—
2	E	NO.7	12'-0"	—
3	F	NO.7	9'-11"	—
REINFORCING BARS		LBS.	285	
CLASS X CONCRETE		CU.YDS.	1.7	
ANCHOR BOLTS		NO.	4	
ANCHOR BOLT PLATE NO.			1	



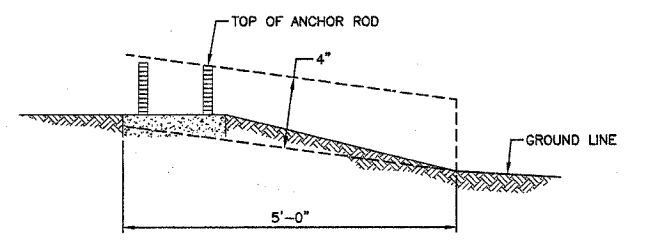
POLE FOUNDATION, OFFSET - DETAILS



****NOTE:**
ACTUAL FOUNDATION DEPTH IS EMBEDMENT DEPTH (FROM SCHEDULE) PLUS 6" EQUALS TOTAL DEPTH.

FOUNDATION SCHEDULE

DESCRIPTION	STANDARDS	EMBEDMENT *(SEE NOTE ABOVE)			
		MOUNTING HEIGHT			
		30 FT.	35 FT.	40 FT.	47.5 FT.
SOFT CLAY	Qu = .25-.50 T/FT. 2	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Qu = .50-1.0 T/FT. 2	6'-6"	7'-0"	7'-6"	10'-0"
DENSE CLAY	Qu = 1.0-2.0 T/FT. 2	5'-6"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N = 4-10	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N = 10-30	6'-0"	6'-6"	7'-3"	9'-6"
DENSE SAND	N = 30-50	5'-6"	6'-0"	6'-6"	8'-6"



****NOTE:**
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

FOUNDATION EXTENSION DETAIL

MFT SECTION 06-00173-00-LT

ROBINSON ENGINEERING, LTD.
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(708) 331-6700 FAX (708) 331-3829
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F.A.P. ROUTE 344
1277H STREET @ MAPLE ROAD
STREET LIGHTING
DETAILS

BLUE ISLAND, ILLINOIS

Drawn by: RG Date: 11/27/06
Checked by: PAP Scale: NONE
Sheet: of Project No. 06-688

REVISIONS		
No.	Date	Remarks