						RTE. SECTION COUNTY TOTAL SHEETS NO.
						FAI80 (50-2)HBR LA SALLE 460 (08 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
	STEEL FOUNDATION	CONCRETE FOUNDATION				CONTRACT NO. 86603
LIGHT POLE BOLT CIRCLE MOUNTING HEIGHT DIAMETER	DIAMETER DEPTH	DIAMETER DEPTH LEN	GTH * 2:1 where soils !	are designed to be located on slopes have an unconfined compressive stren	ath of at	
(30') 292 mm (111/2'')	220 mm 1.83 m (8 ⁵ / ₈ '') (6'-0'')	(24'') (5'-0'') (4'	g/j drilling for cond	he contractor shall verify the soil a crete foundations or by monitoring in steel foundations and notify the eng	stallation	
9.4 m - 10.7 m 292 mm (31'-35') (11\frac{1}{2}'')	220 mm 1.83 m (8 ⁵ / ₈ ") (6'-0")	(24") (5'-6") (5'	conditions are	encountered.	neer is offier	
10.9 m - 12.2 m 381 mm (36′-40′) (15′′) 12.5 m - 13.7 m 381 mm	220 mm 1.83 m * * (6'-0'')	(24") (6'-0") (5"	5 m -9'')	Notes:		
(41'-45') (15'') 14.0 m - 15.2 m 381 mm	220 mm 1.83 m ** (8 ⁵ / ₈ '') (6'-0'') 220 mm 2.44 m	(24") (6'-6") (6'	O m -3'')	or side of	/ be on front, back, foundation as required	or
(46'-50') (15")	(8 ⁵ / ₈ '') (8'-0'')		0 m -9'')	transforme	nching, Place door of r base on wireway side	
* Leng ** 220 (th does not include 100 mm \times 2.44 m (8 $\frac{5}{8}$ " \times 8'-0	0(4)hook Mor Twin luminaires	125 (5) I.D. P.V.C.	duct bends.	the number of unit	15 Table 1 Tab
			wiring window Plate to be installed	I.D. PVC wir	edule 40 PVC 125 (5) ng window, shall	
Wireway locationidentification marks]			when required. (See Ring Plate Detail		h the top of for drainage.	
Bolt circle		An	chor rod shall extend thr		oncrete cover el	
diameter (See table)	Fill with fine aggregate	. or	t 10 to 25 ($rac{3}{8}$ to1) . For bar foundations located behi ardraii, use self-locking n	ind —	nchor rod with230(9) of	
		an	diat washer. Do not use sher. Length above found	e lock \ / threads. See to	able for the required bolt	
		sh br	all be adjusted to accome akaway devices furnishe	nodate /		
381×381×25 (15×15×1) Fdn. top plate	reway location entification marks		e contractor for a speci tallation.	Finish	ned grade	
	Finishe grade	∍d		20 D	<u>></u>	
Shaft d	ia.					
See tab	ole) Two, 65×305 (2½×12	2)	777 E	381 For (15)		
610 (24)	wiring windows	Use dirt removed foundation to mee				
÷		1.52m (5 ft.)chord fill around founda	tion		(apple)	
S) L	$\sim 6(\frac{1}{4})$ Thick	top. Grade dirt le with bottom of co chamfer.	vel ncrete 125 (5) I.D. P.V.C. wireway window.	1 H	0	
	OV/4/TENGIN	CHAINTEI .	Fill with fine aggregate	od length	t) S)	Pole Setback
4- 4-		*** If the requir	ed anchor rod length foundation is less than		000	Pole Foundation Setback:
S			rods may be lowered	#6 Bare		For horizontal mounted luminaires, setback
	381 (15) 457 (18)		in.	copper wire	5	shall be a minimum of 6.1 m (20′)from edge of pavement.
	437 (10)	O.D.			F	For vertical mount luminaires, setback shall be a minimum of 9 m (30′) from edge of
Cutting Or	Helix C		ċr		· · · · · · · · · · · · · · · · · · ·	pe a minimum of 5 m (50) from eage of pavement. Poles shall be located 1.5 m (5′) pehind guardrail or other protective
teeth		230 (9) I.D. with 292 (305 (12)I.D. with 381 (Si.	t .	parriers, or as directed by the Engineer.
STEEL FOUND	ATION TOP VI	/ IEW	*			
SILLE I COND		10 5	Cast bronze clamp	Plato Dotail		All dimensions are in millimeters (inches) unless otherwise shown.
	16 mm x 3 m (5/8'/x 10') Coppercial grounding — Plate Detail					
			electrode. When fo is set in rock, ins	bundation " tall ground		ILLINOIS DEPARTMENT OF TRANSPORTATION
	RING PLAT (When rock is		electrode in cable		REV N	IGHT POLE FOUNDATION F.A.I. 80 AT ILLINOIS ROUTE 351
and foundation is shallower) CONCRETE FOUNDATION						F.A.I. OU AT ILLINUIS RUUTE 331

DRAWN BY: MES CHECKED BY: MTD

SCALE: NONE DATE: 09/04