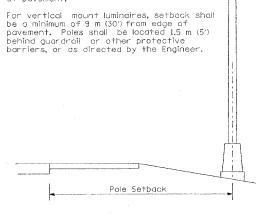
F.A RTE.	A SECTION		COUNTY			SHEET NO.
*	**	WIL	WILLIAMSON		917	785
STA.		TO	STA.	-		
FED. ROA	D DIST. NO.	ILLINOIS	FED.	AID	PROJECT	

* I-57, & OLD IL 13 (FAU 9629) * * (X1-6-2)VB-2,(X1-6)HBK-2

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (20') from edge of pavement.



Fill with fine aggregate

STEEL FOUNDATION

TOP PLATE (min)

300 x 300 x 25 12 x 12 x 1

300 x 300 x 25

375 × 375 × 31

SHAFT DEPTH

1.83 m

(61)

1.83 m

1.83 m (6') ②

1.83 m (6') ②

2.44 m

SHAFT

(85%)

220 (85/8)

220 (85%)

2 220 mm x 2.44 m (8 $\frac{5}{8}$ % 8'-0'') for Twin luminaires 3 Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used

IAMETER

LIGHT POLE

MOUNTING HEIGHT

<9.1 m

(30')

9.4 m - 10.7 m

(31'-35') 10.9 m - 12.2

12.5 m - 13.7 (41'-45')

~:S//

14.0 m - 15.2 m

(46'-50')

Bolt circle diameter—

(See table)

BOLT CIRCLE

DIAMETER

292

381

381 (15) ③

381 (15) ③

① Length does not include 100(4)hook

Cutting Or

STEEL FOUNDATION

Helix & pilot point CONCRETE FOUNDATION

SHAFT DEPTH

1.67 m

1.83 m

1.98 m

2.13m

(6'-6")

SHAFT

610 (24)

610

762 (30)

762

762

ANCHOR ROD LENGTH ①

1.45 m (4'-9'')

1.60 m

1.75 m (5'-9'')

1.90 m (6'-3")

2.00 m

🖊 Wireway location identification marks shall be notched in side of plate or stamped on top.

__Finished

arade

 $-6(\frac{1}{4})$ Thick min.

_Two, 65x305 (2½x12) wiring windows 180° apar†

Length above foundation shall be adjusted to accomodate breakaway devices furnished by the contractor for a specific

Varies 1

Use dirt removed from foundation to meet 1.52m (5 ft.)chord —

foundation ...
1.52m (5 ft.)chord
fill around foundation
top. Grade dirt level
with bottom of concrete
wireway window.
Fill with fine

(4) If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered

#6 Bare copper wire

610 (24) min. dia. with

292(11.5) bolt circle 762(30)min. dia. with 381 (15) or 432 (17) bolt circle

> 125 (5) LD P.V.C. wiring

installed when

on all steel

19 (¾) Chamfer

381

required (See ring plate detail)

75 (3) Min. concrete cover

Finished grade

Anchor rod 25())diameter with 230(9)threads, Anchor rod shall extend through nut 25(). For barrier or foundation behind guardrall, use self-locking nut and flat washer. Do not use lock washer.

window

Cast bronze clamp Plate Detail 16 mm x 3 m (5/8"× 10") Coppercial grounding — electrode. When foundation

(4)

is set in rock, install ground electrode in cable trench.

CONCRETE FOUNDATION

230 (9) L.D. with 292 (11.5) bolt circle 305 (12) L.D. with 381 (15) bolt circle 356 (14) L.D. with 432 (17) bolt circle

380 (15) 0.D. 450 (18) 0.D.

508 (20) 0.0,

RING PLATE DETAIL (When rock is encountered and foundation is shallower) All dimensions are in millimeters (inches) unless otherwise shown.

- Wireway may be on front, back or side of foundation as required by the trenching, Place door of transformer base on wireway side to minimize the number of unit duct bends.
- 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the sail strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other
- 4) Anchor rod shall be increased to 31 (1½) diameter for 15.24 (50') mounting height or above.
- 5) TB3-17 transformer base is not to be used on metal foundation

ILLINOIS DEPARTMENT OF TRANSPORTATION DATE **DETAILS:** LIGHT POLE FOUNDATION SCALE: VERT. NONE DRAWN BY CNH LGT007-836 DATE CHECKED BY LA

DATE NAME SCALE NAME

PLe F FILE PLOT USER