

POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

- HANDHOLE POSITION

4. THE LIGHT POLE SHALL MEET AASHTO DESIGN CRITERIA. 5. THE INSTALLING CONTRACTOR SHALL PROVIDE A UL

TRAFFIC FLOW

-LETTERS AND NUMERALS

- POLE SHAFT

2.134 (7') ABOVE GROUND LINE

- MAST ARM ORIENTATION

NOTES:

OTHERWISE SHOWN.

14.707M (48'-3").

LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL, OR APPROVED EQUAL. 6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS

2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM

ANCHOR BASE, THE MOUNTING HEIGHT FOR GROUND

MOUNTED LIGHT POLES WITH T-BASES IS APPROX.

3. LIGHT POLES SHALL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.

THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE

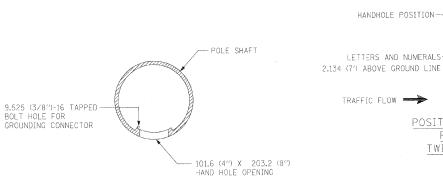
- WITHOUT THE USE OF LEVELING NUTS, WASHERS, OR 7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.
- THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1069.02 OF IDOT STANDARD SPECIFICATIONS. THE LETTERS AND NUMERALS FOR LIGHTING UNITS SHALL BE 4 IN. HIGH, BLACK, SERIES "D" AS DESCRIBED IN THE FEDERAL HIGHWAY ADMINISTRATION'S "STANDARD ALPHABETS FOR HIGHWAY SIGNS", PLACEMENT OF NUMBERS SHALL BE AS SHOWN ON THE PLANS, THE PLACEMENT OF THE NUMBERS SHALL BE COORDINATED WITH THE ACCIDENT REFERENCE MARKER AND HANDHOLE DOOR AS APPLICABLE. THE LETTERS AND NUMERALS SHALL BE SCREENED ON SILVER-WHITE, PRESSURE SENSITIVE, REFLECTIVE, 4 1/2 IN. BY 4 IN., TYPE A SHEETING ACCORDING TO APPLICABLE PORTIONS OF SECTION 1091. AN ALTERNATE COLOR SCHEME, SUCH AS BLACK ON YELLOW, SHALL BE USED FOR THE VILLAGE MAINTAINED LIGHTING SYSTEM SO THAT THEY CAN EASILY BE DIFFERENTIATED FROM THE IDOT MAINTANED LIGHTING SYSTEM.
- 8, TWO PIECE SHAFT SHALL BE MATCHED, MARKED, AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
- 9. THIS HANDHOLE APPLIES ONLY TO BRIDGE MOUNTED LIGHT POLES, AND IS LOCATED 1524 mm (5'-0") FROM THE BASE OF THE POLE. ONLY ONE HANDHOLE PER LIGHT POLE IS NEEDED.
- 10. THE TRANSFORMER BASES SHALL ONLY BE INSTALLED ON GROUND MOUNTED LIGHT POLES, THE TRANSFORMER BASE SHALL NOT BE INSTALLED ON THE BRIDGE PARAPET MOUNTED LIGHT POLES.

MAST ARM ORIENTATION -

HANDHOLE POSITION-

LETTERS AND NUMERALS-

TRAFFIC FLOW



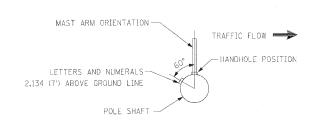
LIGHT POLE BASE PLATE DETAIL

381.0 (15") BOLT CIRCLE

381.0 (15")

BOLT CIRCLE

HANDHOLE DETAILS NOT TO SCALE



POSITION OF HANDHOLE AND

POLE NUMBER FOR

TWIN MAST ARM POLES

POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL

GANDHIAND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY

BE-400 (REVISED) NSPORTATION

KEN1210N2				
NAME	DATE	ILLINOIS DEPAR	CIMENT OF	TRANSPORTATIO
		FAU 3578 (SOUTHWEST HIGHWAY)		
		OVER B&O RAILROAD AND STONY CREEK ALUMINUM LIGHT POLE 14.478 m (47'-6")		
		- MOUNTING HEIG		GHT
		SCALE: NONE	[DRAWN BY: RDP/KGP
		DATE: JUNE 17, 2009	(CHECKED BY: PKG/MAE

0, ILLINOIS 6063I TEL.(?73)774-59IC

\$TIME\$ \$FILE\$ LENGTH AS SPECIFIED

- 50.8 (2") N.P.S. SLIPFITTER

3° UPLIFT

TAPERED ALUMINUM TUBE 101.6 (4") O.D.

- 50.8 (2") SCHEDULE 40 PIPE ALLOY 6063-T6

TAPERED ALUMINUM TUBE 6.35 (1/4") WALL

ALLOY 6063-T6 SATIN GROUND FINISH

100 GRIT OR FINER

INTERNAL DAMPER

100 GRIT OR FINER

SEE NOTE #9

NYLON SCREWS

SEE NOTE 10

SEE NOTE #8

- EXTRUDED POLE BANDS (CLAMPS) ALLOY 6063-T6 WITH 12.7 (1/2") - 13 N.C. STAINLESS STEEL HARDWARE

POLE TAG IDENTIFICATION LETTERS AND NUMERALS

101.6 (4") X 203.2 (8") HANDHOLE WITH REINFORCING

FRAME, COVER AND 6.35 (1/4"), 20 SIZE STEEL CORE

101.6 (4") X 203.2 (8") HANDHOLE WITH REINFORCING

FRAME, COVER AND 6.35 (1/4"), 20 SIZE STEEL CORE

TRANSFORMER BASE WITH A NATURAL ALUMINUM FINISH.

NYLON SCREWS. APPLIES ONLY TO BRIDGE MOUNTED

2.134m (7') ABOVE GROUND LINE. SEE NOTE 7.

TAPERED ALUMINUM TUBE 6.35 (1/4") WALL

ALLOY 6063-T6 SATIN GROUND FINISH

LIGHT POLÉS BEHIND BICYCLE RAILING

254.0 (10") OUTSIDE BOTTOM DIAMETER

GROUND MOUNTED LIGHT POLES ONLY.

381.0 (15") DIAMETER BOLT CIRCLE

228.6 (9") HIGH CAST AND WELDED ALUMINUM

6.35 (1/4") WALL ALLOY 6063-T6

TWO 38.1 (11/2") HOLES 180° APART

AND TWO 31.75 (11/4") I.D. RUBBER

152.4 (6") OUTSIDE TOP DIAMETER

GROMMET FOR EACH MAST ARM

63.5 (21/2") X 130.75 (51/8") SECTION-

WITH 300 SERIES S.S. SCREWS

POLE CAP ALLOY 43-