

POLE		
MOUNTING HEIGHT	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
35' (10.7 m) or less	8 tapered to 4 1/2 (200 to 114)	0.25 (6)
Greater than 35' (10.7 m) to 45' (13.7 m)	10 tapered to 6 (250 to 150)	0.25 (6)
Greater than 45' (13.7 m) to 50' (15.2 m)	10 tapered to 6 (250 to 150)	0.312 (8)

POLE BASE	
MOUNTING HEIGHT	BOLT CIRCLE DIAMETER
35' (10.7 m) or less	11 1/2 (290)
Greater than 35' (10.7 m) to 50' (15.2 m)	15 (380)

MAST ARM LIGHT POLE

(Single or twin mount)

• Unless directed otherwise by the Engineer.

GENERAL NOTES

See Standard 836001 for Light Pole Foundation and grounding electrode.

See Standard 720001 for pole identification banding to pole.

Voids in light pole base shall be sealed to prevent rodent entry.

Provide breakaway devices where required.

Where anchor rods on existing bridge parapets are too short to mount poles as shown, install leveling plate directly on concrete and level with stainless steel washers.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-15	Revised note on HANDHOLE DETAIL.
1-1-14	Added pole mounted on bridge parapet. Modified attachment of screen.

**LIGHT POLE
ALUMINUM MAST ARM**

(Sheet 1 of 2)

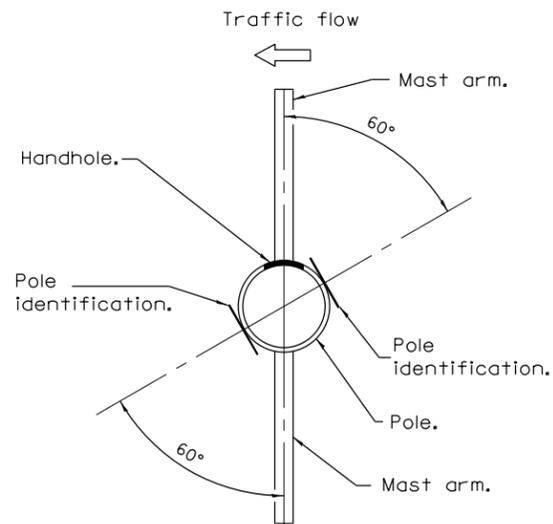
STANDARD 830001-03

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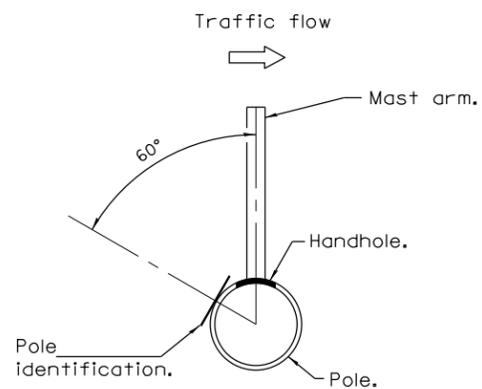
PASSED January 1, 2015
Cheryl Gentry
ENGINEER OF PRELIMINARY ENGINEERING

APPROVED January 1, 2015
CR
ENGINEER OF DESIGN AND ENVIRONMENT

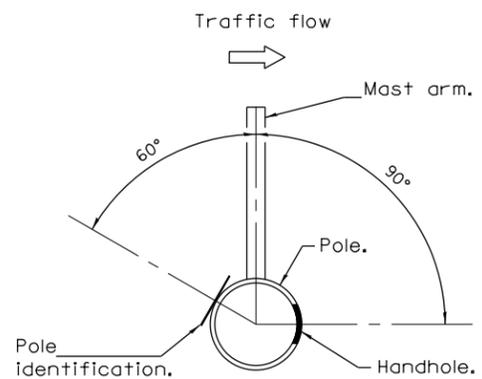
ISSUED 1-1-12



Traffic flow
 →
 Pole on median barrier wall.

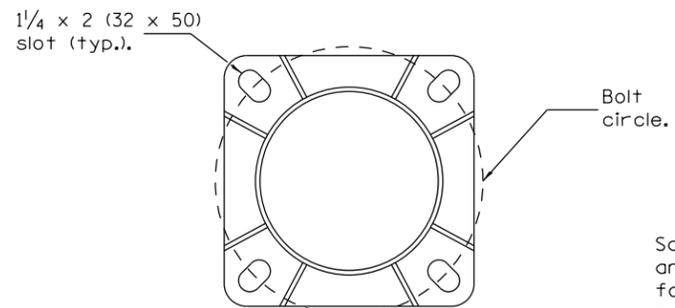


Pole on barrier wall, retaining wall or parapet.



Pole on ground mounted foundation.

HANDHOLE / IDENTIFICATION ORIENTATION DETAIL

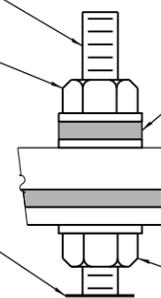


SECTION A-A
 (Bolts not shown)

See Bridge Plans for 1 (25) anchor rod by others.

1 (25) self-locking nut. Install with torque wrench to isolation pad man. specifications.

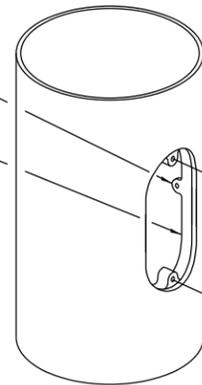
Bridge parapet.



DETAIL A

Tapped 1/2 (13) hole for grounding connector.

Reinforcing frame with full circumferential weld.

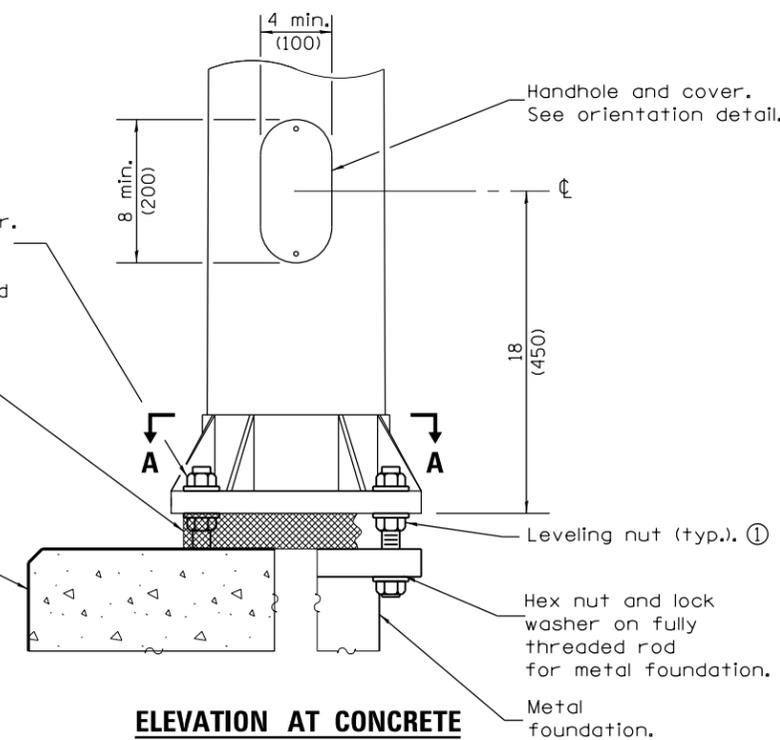


HANDHOLE DETAIL

Hex nut with washer. Washer shall cover entire slot (typ.). Nut covers required but not shown.

Screen wrapped around nuts and anchor rods between foundation and bottom of pole base. Provide 6 (150) minimum overlap and wire-tie with matching wire.

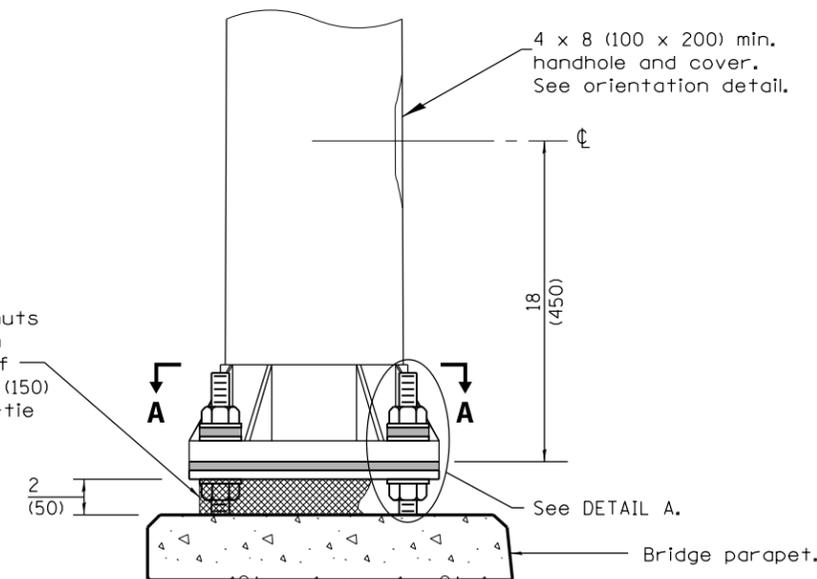
Concrete foundation, barrier or retaining wall.



ELEVATION AT CONCRETE FOUNDATION, METAL FOUNDATION OR RETAINING WALL

① Omit leveling nuts when breakaway devices are required.

Screen wrapped around nuts and anchor rods between foundation and bottom of leveling plate. Provide 6 (150) minimum overlap and wire-tie with matching wire.



ELEVATION AT BRIDGE PARAPET

POLE BASE DETAILS

LIGHT POLE ALUMINUM MAST ARM

(Sheet 2 of 2)

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