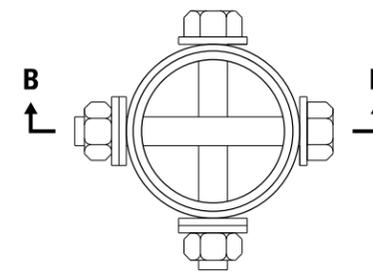
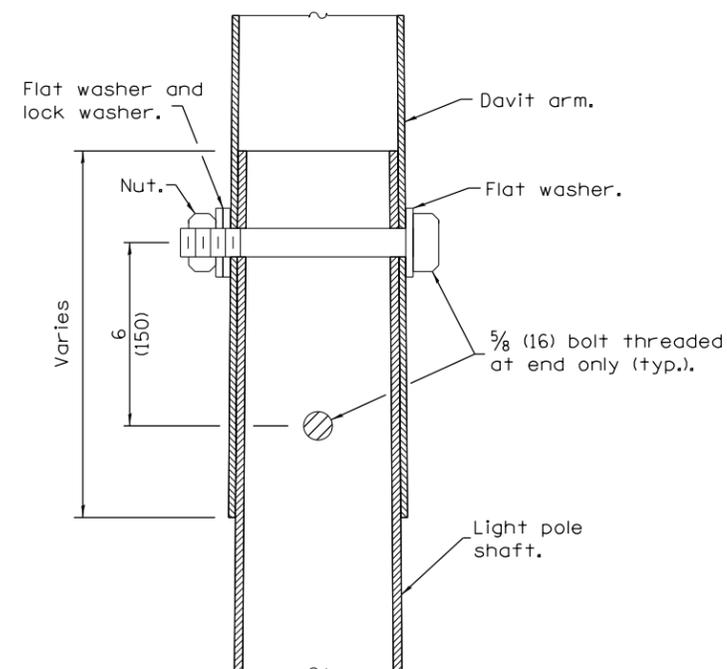


BASE PLATE		
MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	BASE PLATE THICKNESS
35' (10.7 m) or less	11 1/2 (290)	1 (25)
Greater than 35' (10.7 m) to 50' (15.2 m)	15 (380)	1 1/4 (32)
Greater than 50' (15.1 m) to 60' (18.3 m)	15 (380)	1 1/2 (40)

POLE LOWER SHAFT			
MOUNTING HEIGHT	LOWER SHAFT LENGTH ①	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS
30' (9.1 m)	21'-1" (6.4 m)	8 tapered to 6 (200 to 114)	10 gauge
35' (10.7 m)	26'-1" (7.9 m)	8 tapered to 6 (200 to 114)	10 gauge
40' (12.2 m)	31'-1" (9.5 m)	10 tapered to 6 (250 to 150)	7 gauge
45' (13.7 m)	36'-1" (11.0 m)	10 tapered to 6 (250 to 150)	7 gauge
50' (15.2 m)	41'-1" (12.5 m)	10 tapered to 6 (250 to 150)	7 gauge



SECTION A-A



SECTION B-B

- ① Lower shaft length shall be from the bottom of the pole base to the bottom of the slip joint.
- ② 3° max. for unloaded pole, 1.5° max. for loaded pole.

GENERAL NOTES

See Standard 836001 for Light Pole Foundation and grounding electrode.

See Standard 720001 for pole identification banding to pole.

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.

Illinois Department of Transportation

PASSED January 1, 2014
Cheryl Gentry
 ENGINEER OF PRELIMINARY ENGINEERING

APPROVED January 1, 2014
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

DAVIT LIGHT POLE

(Single or twin mount)

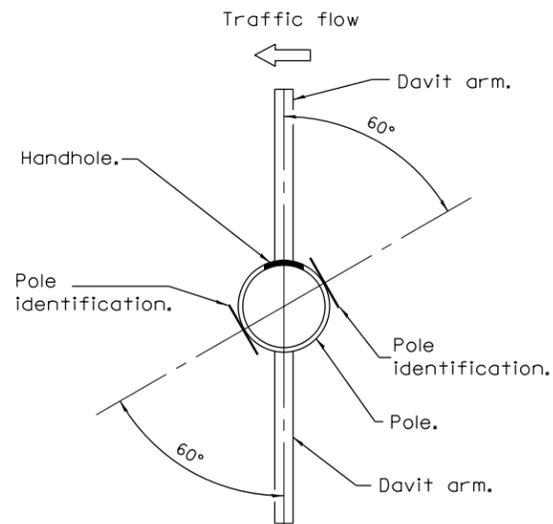
• Unless directed otherwise by the Engineer.

DATE	REVISIONS
1-1-14	Added pole mounted on bridge parapet. Modified attachment of screen.
1-1-13	Added 'barrier or retaining wall' to POLE BASE DETAIL.

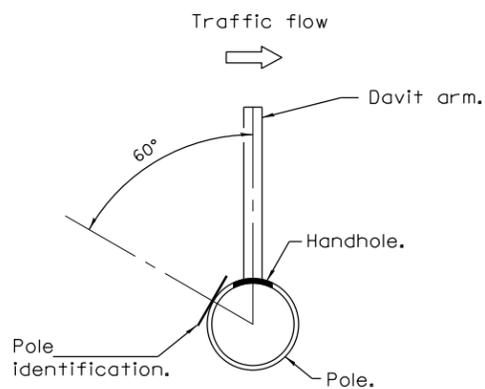
**LIGHT POLE
STEEL DAVIT ARM**

(Sheet 1 of 2)

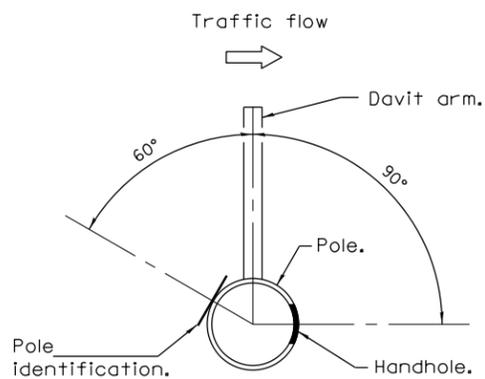
STANDARD 830016-02



Traffic flow
 Pole on median barrier wall.

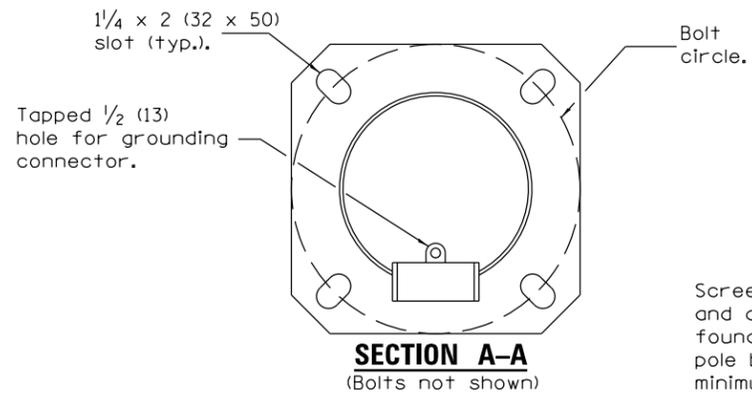


Pole on barrier wall, retaining wall or parapet.



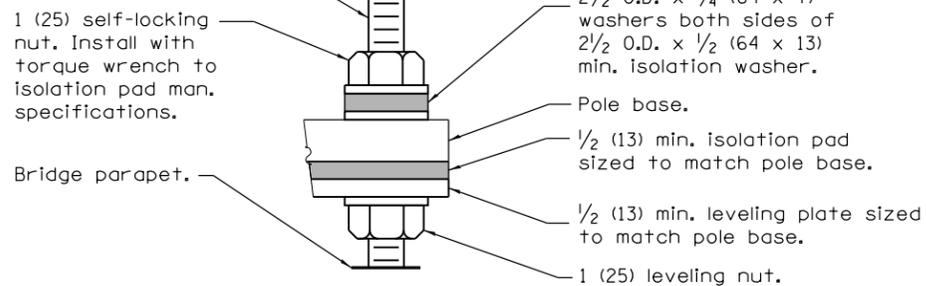
Pole on ground mounted foundation.

HANDHOLE / IDENTIFICATION ORIENTATION DETAIL



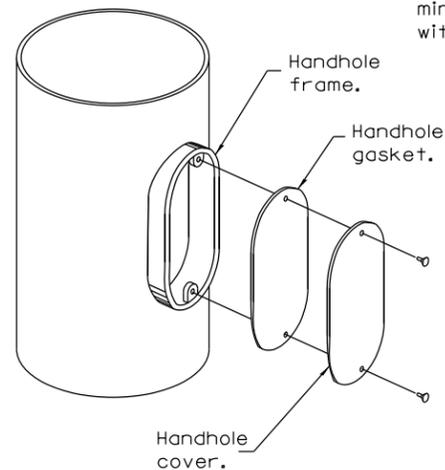
SECTION A-A
 (Bolts not shown)

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



DETAIL A

Bridge parapet.

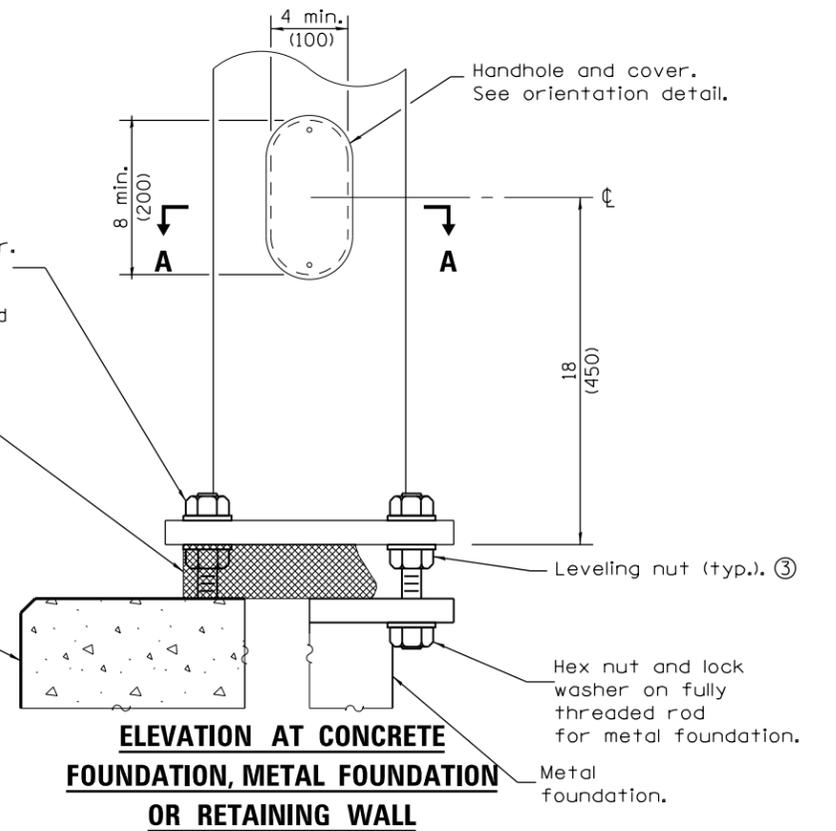


HANDHOLE DETAIL

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.

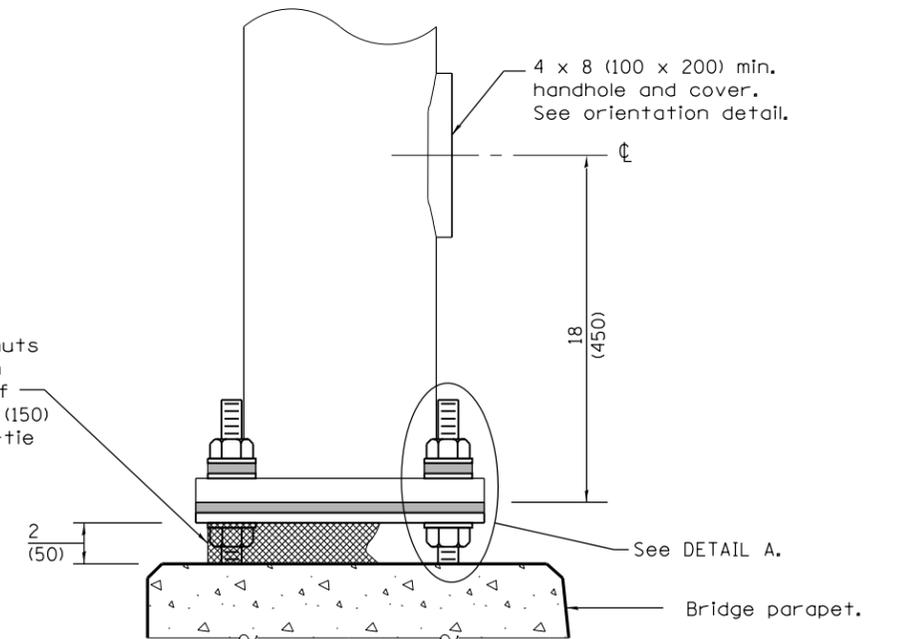
Concrete foundation, barrier or retaining wall.



ELEVATION AT CONCRETE FOUNDATION, METAL FOUNDATION OR RETAINING WALL

③ 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 STEEL DAVIT ARM

(Sheet 2 of 2)

STANDARD 830016-02

Illinois Department of Transportation
 PASSED January 1, 2014
 ENGINEER OF PRELIMINARY ENGINEERING
 APPROVED January 1, 2014
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12