

20 sq. ft. (1.86 sq. m) max.
sign panel or blankout sign
100 lb (45 kg) max.

Mast arm length as specified on the plans
12' (3.6 m) (typ.)
8' (2.4 m) (min.)

Mast arm length as specified on the plans

Removable cap
39 (990)
18' (5.5 m) max.
16' (5.0 m) min.

36 x 36 (900x900)
Sign panel or
blankout sign
100 lb (45 kg)
max.

This signal head only for
arms 36' (10.97 m) and
longer.

Ground lug
opposite handhole

Distance from top of pole
base to bottom of hand hole
shall match the inside diameter
of the pole at the midpoint
of the hand hole.

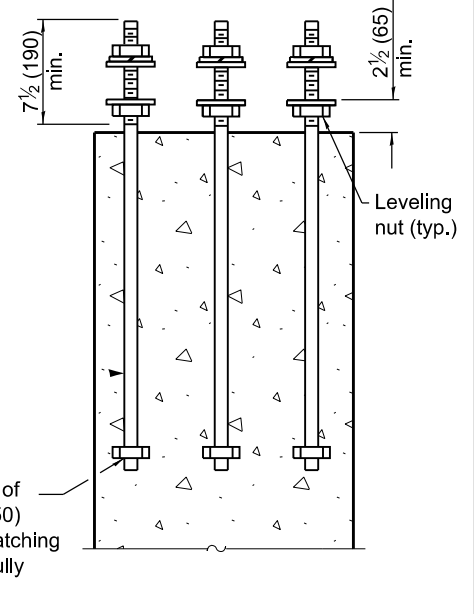
Pole height
12'
(3.6 m)

4 x 8 (100x200) Handhole
with frame and cover
located opposite of
oncoming traffic

Bolt covers
(6 required)

Stainless
steel
mesh

90°-180°



ANCHOR ROD DETAIL

Thread bottom of
anchor rod 2 (50)
and provide matching
hex head nut fully
seated, typ.

18' (5.5 m) max.
16' (5.0 m) min.

Highest point
of pavement

Highest point
of pavement

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).

See Standard 720016 for location of sign panels or blankout signs closest to pole.

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

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 30' (4.87 m thru 9.14 m)	18 (450)	1 3/4 x 7' (44 x 2.10 m)
32' thru 50' (9.75 m thru 15.24 m)	21 (535)	2 x 7'-6" (51 x 2.29 m)

DATE	REVISIONS
1-1-18	Revised for LRFD reqs. Revised GEN NOTES for sign location. Revised ANCHOR ROD DETAIL.
4-1-16	Changed sign panel to 36x36. Added max weight of 100 lb. Modified dim. to outer signal.

**STEEL MAST ARM
ASSEMBLY AND POLE
WITH DUAL MAST ARMS**

STANDARD 877006-06

Illinois Department of Transportation

APPROVED January 1, 2018
Amy Eller
ENGINEER OF OPERATIONS

APPROVED January 1, 2018
Maureen M. Adams
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02