



**ANCHOR ROD DETAIL**

**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 panel or blankout sign closest to pole.

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

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 40' (4.87 m thru 12.20 m)	18 (450)	1 3/4 x 7" (44 x 2.10 m)
42' thru 55' (12.80 m thru 16.80 m)	21 (535)	1 3/4 x 7" (44 x 2.10 m)

DATE	REVISIONS
1-1-20	Revised mast arm length.
1-1-18	Revised table for LRFD reqs. Revised GEN. NOTES for sign location.
	Replaced rod hooks with nuts.

**STEEL MAST ARM  
ASSEMBLY AND POLE  
16' THROUGH 55'**

**STANDARD 877001-08**

Illinois Department of Transportation

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ENGINEER OF OPERATIONS

APPROVED January 1, 2020  
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-02