

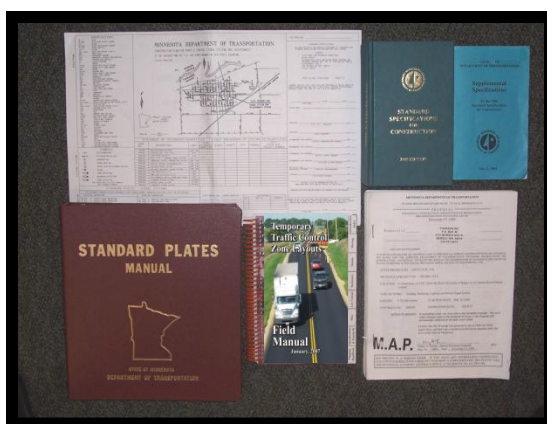
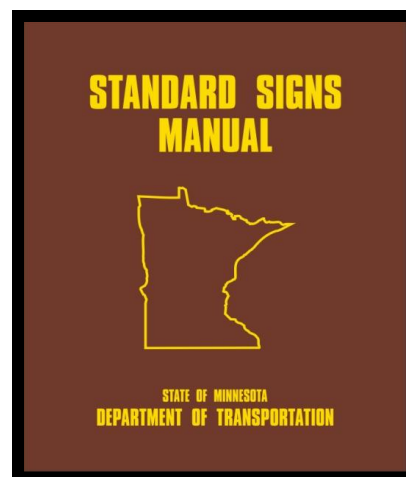
## SIGNS

Where required in the Contract documents, the Contractor must furnish and install signs on mast arms, mast arm pole shafts, pedestal shafts, or sign posts.



The current edition of the Minnesota Manual on Uniform Traffic Control Devices (MN MUTCD) provides the legal standards for the design, selection and use of signs. The District Traffic Engineer must approve all sign installations to ensure that the applicable standards and statutes are followed.

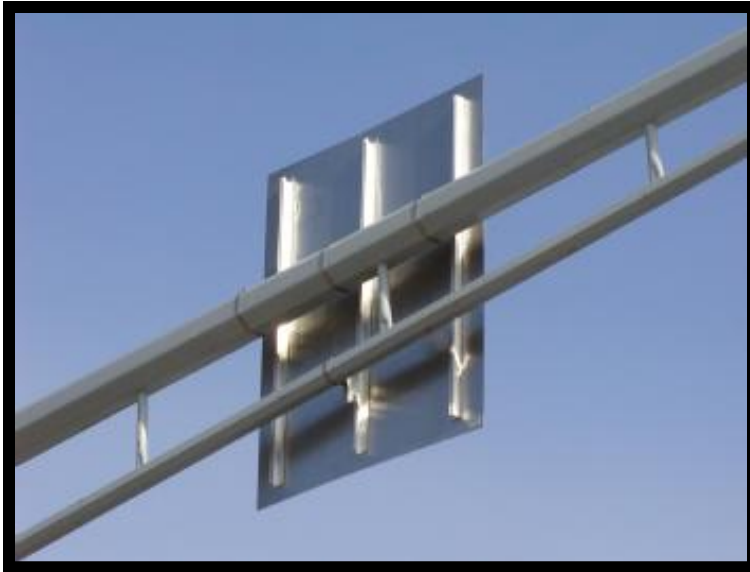
Mast Arm mounted signs have additional requirements that are included within the Standard Signs Manual.



When a new traffic signal is installed or if an existing signal is revised, the existing signs may have to be changed and may have requirements specified in the Contract Documents. The District Traffic Office must be notified at least two weeks prior to activating the signal system and will determine or verify the exact location of the signs.

All sign face, sign base, and sign legend material must be as indicated in the Contract documents.

All sign installations must be done to the satisfaction of the Engineer. Signs installed in conjunction with a traffic signal are mounted in one of four ways:



Mast Arm mounted signs use mounting bracket assemblies as detailed on Standard Sign Detail 105A of the Standard Signs Manual. A copy of this detail is included in the Appendix of this manual.

Two stainless steel banding straps, each with stainless steel banding buckle, must be single wrapped around the mast arm, clipped and tightened independently, in accordance with the Manufacturer's instructions.



Mast Arm Pole Shaft mounted signs as specified in the Contract documents. Pole mounted signs must be mounted at a height, of no less than, 7 feet from the finished Grade at the pole base.

Pedestal mounted signs as detailed in the Contract documents.



Post mounted signs are mounted on flanged channel sign posts of a specific weight per foot of length. Refer to the Contract Documents for installation and mounting details.

Temporary signs may be installed at the work site by the Contractor in accordance with the Contract documents.





All correct signs must be in place before the traffic signal is activated. Existing signs that conflict with the new traffic signal must be removed when the traffic signal is placed in operation.

The Field Manual provides the standards, guidelines and the legal responsibilities of placing work zone traffic control signs at work sites.

