

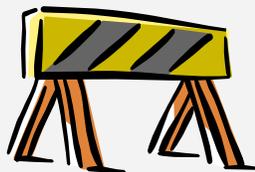
From Brenda O'Brien, Engineer of Construction and Technology

MDOT-Construction and
Technology Division
P.O. Box 30049
Lansing, Michigan 48909
Phone/517-322-1087
Fax/517-322-5664
www.michigan.gov/mdot/

Index: Materials

Questions regarding this
Construction Advisory should
be directed to:

Paula Corlett, Traffic Signals
Supervising Engineer, at
517-373-2324 or
corlettp@michigan.gov



BJO:PC

Traffic Signal Installation – Steel Strain Pole Band Clamps

Steel band clamps are used for traffic signal span wire installation on steel strain poles. This construction advisory serves as a notice for the following requirements:

Clamps must meet the material requirements in Special Detail SIG-010-A "Span Wire T.S. on Steel and Wood Poles", Detail B, Pole Band Clamps on Steel Pole", which specifies ASTM A36 steel bands using ASTM A325 galvanized steel bolts.

Pole band clamps must be stamped with identification that is traceable back to the manufacturer, which can be used to determine the month and year of clamp manufacture. The stamping method must be a low stress stamping method. The stamp cannot be located near the bolted flange, must be located near the center of the backside clamp from traffic on the outside face, and be visible after galvanizing. For questions regarding clamp identification, contact the Traffic Signals Unit at 517-373-2323.

The minimum inside bend radius for cold formed members must be at least 1.5 times the material thickness (or 3/8 inches).

The contractor must submit a Certificate of Compliance to the engineer stating that the pole band clamp meets the requirements in Special Detail SIG-010-A. The contractor must provide one clamp assembly per lot per size to the engineer for testing as a basis of acceptance prior to use on the project. Material not meeting these requirements will be returned to the contractor at no cost to the department.