

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
SPAN WIRE TETHER

SIG:EMS

1 of 1

APPR:NJB:HLO:07-25-22
FHWA:APPR:07-25-22

a. Description. This work consists of furnishing and installing hardware, connector hangers, fittings, tether plate, span wire clamps, associated stainless steel fasteners and a span wire tether.

Bottom tethering, or top tether traffic signal heads. As indicated on plans or as directed by the Engineer.

b. Materials. Furnish material meeting the requirements of sections 819, 820, and 921 of the Standard Specifications for Construction.

1. Furnish tether span wire that is 1/4 inch nominal diameter, 7-strand, galvanized, Class A or Class C in accordance with *ASTM A475* extra high strength of 6650 pounds. Maintain clearance of 17 feet over roadway.

2. Three way span tether clamp or, "bull-ring" galvanized or stainless, tether plate (break-away tether assembly) aluminum plates with stainless steel hardware, galvanized pole clamps with manufacturer approved bolts, stainless steel break away link; breaking at 3325 pounds force, turnbuckle, tri-stud break-a-way and extension hardware to furnish and install a span wire tether.

3. Materials will be accepted based on certification and visual inspection.

c. Construction. Complete this work in accordance with sections 819, 820 and 821 of the Standard Specification for Construction, as shown on the plans, and as directed by the Engineer.

Where installation is specified, install the span wire tether on existing or new signal head(s) at location(s) shown on the plans. Furnish, install, remove, or install on the project, a span wire tether, as indicated on the plans or as directed by the Engineer.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

| Pay Item | Pay Unit |
|------------------------|-----------------|
| Span Wire Tether | Each |