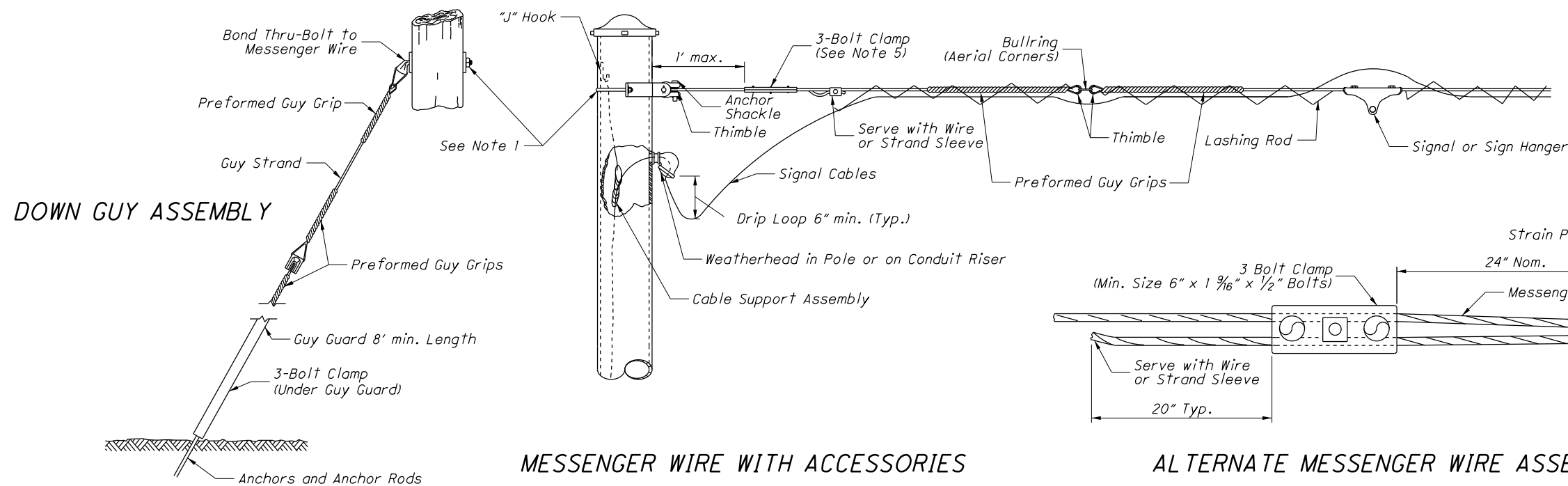


INTERCONNECT & LOOP DETECTOR LEAD-IN ATTACHMENT DETAIL

NOTES:

1. Messenger wire pole attachment shall be by a pole clamp on steel poles and be a 3/8" thru-bolt (or thimble-eye bolt) with washers on wood poles.
2. The pole mounted type splice enclosure may be used as an alternative splice method unless otherwise specified in the plans. Pole attachment shall be by means of passivated stainless steel banding or tapped screws on steel poles and lag screws on wood poles. The box shall be gasketed and weathertight, and hot dipped galvanized if constructed of steel. Minimum box requirements shall be 8" x 8" x 4" with 12 terminal connections (20 amp).
3. The interconnect or loop detector lead-in cable shall have a sag between 3% and 5% or match existing utility lines.
4. The interconnect or loop detector lead-in messenger wire shall be grounded at the first and last poles in a cable run and at intervals not to exceed 1200'. When attached to wood poles, the messenger wire shall be grounded by bonding to an existing ground rod. The messenger wire shall be bonded to grounded steel poles by use of a 1/2" bolt drilled and tapped into the pole.
5. The minimum 3-bolt size clamp shall be 6" long with 1/2" diameter bolts. Preformed guy grips shall not be used to attach the messenger wire to the signal poles. Their use is limited to bullring attachments.
6. The alternate messenger wire attachment shall only be allowed on round, tapered steel strain poles and must be specified in the construction plans for use. Alternate wire attachment shall not be used for tether wire attachment.



ALTERNATE MESSENGER WIRE ASSEMBLY

THIS DRAWING REPLACES TC-84.20 DATED 01-21-2011.

SD NUMBER

TC-84.20

STANDARD ROADWAY CONSTRUCTION DRAWING

MESSENGER WIRE DETAILS I

OFFICE OF ROADWAY ENGINEERING

STATUS ENGINEER

Duemmel

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR

James Young

REVISION DATE

10-18-2013