

AERIAL CABLE
SLACK SPAN CONSTRUCTION

NOTES CONCERNING THIS ADDENDUM

This addendum supplements Section G51.140 and has been reissued to provide a method of testing suspension strand. Instructions regarding local requirements for clearances and size of poles to be used in slack span construction have also been included.

The cross-reference "See Addendum" should be written in Section G51.140 at Paragraph 3.01 which is supplemented, at Paragraph 3.04 which is replaced and after Paragraph 3.07 and 4.01 to indicate the addition of new information. Paragraph 1.04 shall be deleted.

3. CONSTRUCTING SLACK SPAN

3.01 NOTE: For slack spans branching off approximately at right angles to the lead, the size of the unguayed pole should, in general, meet the requirements specified in Paragraph 3.01, Section G51.140. Where this pole is a jointly used pole, the class of pole employed will usually be satisfactory to support the slack span. Where only solely-owned Telephone Company poles are involved in this type of construction, however, the unguayed pole may be a smaller pole but shall not in any case be smaller than a Class 3 pole. Either replace a smaller pole or refer the matter to the plant engineering department for preparation of the proper plan.

3.04 An anchor head guy should be attached to the second pole in the line if possible. Consider this pole as a cable dead end pole and determine the size of the head guy in the usual manner. Where an anchor guy cannot be placed, a pole to pole guy should be placed between the third and second, and between the second and the end pole.

3.08 Where a slack span is constructed from a pole to which foreign guys are attached, the required clearances between strand and guys, specified in Section G10.301S, shall be maintained. The proper separation between suspension strand and the passing guy may sometimes be obtained by crossing the cable of the span affected from one side of the pole line to the other, provided that the climbing space is not thereby impaired.

4. PRECAUTIONS

4.02 All 6M or larger strand being placed in a slack span shall be tested by the two-man strand test (after the clamps are tightened) if temporary guys can be placed. If temporary guys cannot be placed, the strand shall be tested by the one-man test.

(a) The one-man strand test shall be made as near the center of the span as practicable and performed by passing a 3/8-inch handline over the strand and suspending the weight of one man, or 150 pounds. The man making the test shall grasp the two ends of the handline and gradually apply his full weight to the strand by lifting himself slowly off the ground.

(b) The two-man strand test shall be made in the same manner as the one man test except that a 1/2 inch rope shall be used and the weight of two men or 300 pounds shall be suspended from the rope.