

CONSTRUCTION OF BARE OPEN WIRE PLANT

1. PURPOSE

1.01 The purpose of this addendum is to advise REA borrowers, consulting engineers, contractors, and other interested parties of recent revisions in construction practices which pertain to the construction of bare open wire plant.

2. WINDY AREAS

2.01 The following areas are usually considered to be windy: Iowa, Kansas, Minnesota, Nebraska, North Dakota, Oklahoma, South Dakota, and the heavy loading districts of Texas, Colorado, and Wyoming and all other areas where local experience indicates that midspan hits may be a problem.

2.02 Paragraph 6.01 of TE & CM-616 is revised to read as follows:

6.01 The recommended sag data provided by the wire manufacturers shall be used for all types of wire. The sag of all line wire after tying shall be in accordance with the data furnished by the engineer, except that a maximum deviation of two inches from the specified sag is acceptable provided that all line wires are sagged evenly.

2.03 Add the following paragraph:

7.05 The following construction practices are to be used for line conductors having a diameter of .104-inch and smaller when point type transposition systems are specified:

a. Armor rods shall be installed on the line wire at all support points. At point type transposition brackets 30-inch armor rods are used and 12-inch armor rods are used at single insulator support points.

- b. At transpositions each conductor shall be tied at one of the two insulators the line wire contacts except in the case of railroad crossings which requires ties to be made at all insulator contacts.
- c. The modified reinforced tie shall be used for all ties made where armor rods are installed.

3. LINE WIRE SPLICING AND DEADENDING

3.01 Paragraph 9.01 is revised to read:

9.01 The appropriate compression type sleeve for type and size of conductor shall be employed for splicing all line wires. This splice should be installed as far from the crossarm as practicable and compressed in such a manner as to prevent it from bowing. The manufacturer's recommendations should be followed in the application of all splices.

3.02 Paragraph 9.07 is revised to read:

9.07 There are presently two types of line wire deadends acceptable for use in telephone systems of REA borrowers. These are: 1) the Preformed type and 2) the compression bail type. The Preformed type dead-end must be used on all wires having a diameter of .104-inch and smaller. Either type of deadend may be used for wires having a diameter larger than .104-inch.

4. TABLES

4.01 Delete the following:

Table 2
Table 3
Table 4