CARRIER TYPES OF CROSSARMS

GENERAL

Contents

1. GENERAL

1.01 This section includes general information about the types of crossarms normally used for supporting carrier circuits. The various types and uses of crossarms for supporting carrier circuits are covered in this G22.106 series of the Practices.

1.02 Other types of crossarms intended primarily for supporting rural, exchange and local toll circuits, but which may occasionally be used on carrier toll lines are described in the G22.105 series of the Practices

1.03 See Section G22.901 for the types of cable arms, their uses, and methods of installation.

1.04 Where B Deadend Brackets are to be used for terminating open wire lines carrying 10 foot crossarms, the BDE crossarm covered by Section G22.106.5-S should normally be used.

2. USE OF CROSSARMS

2.01 The detail plans or other instructions will usually specify the type of crossarm and the particular combination of pin hole locations which are to be employed. When such instructions are not furnished, select the type of crossarm in accordance with the information contained in these Practices.

2.02 For extensions of lines that are in service, use the same type of crossarms as are being used in the sections in service unless otherwise instructed.

2.03 When replacing existing crossarms, use crossarms of the same type as the replaced crossarm unless otherwise authorized.

Note: See Paragraph 4.01 of this Section for information relative to the type crossarms to be used when replacements are necessary on the various carrier routes in this area. Information relative to the type crossarms to be used on other toll routes in this area is covered in Section G22.105.6-S.

2.04 Where a safety crossarm is required above the open wire line crossarm to prevent wires from whipping into overhead power wires in the event that a line insulator should come off the pin or a tie wire fail, use any type of unequipped 10 foot crossarm (add braces, but no pins).

3. RESPACING PINS

3.01 New pin holes may be bored in crossarms for respaced wires only if the crossarm is in a good state of preservation.

3.02 In boring new pin holes, direct the bit so that when the pins are placed, they will be substantially parallel with the existing pins.

3.03 When new pin holes must be bored for respacing wires or changing pin positions on new or existing crossarms, measure accurately to the new locations. If a large number of holes are to be bored it will usually be advantageous to employ a portable power driven low speed drill and a template made up locally for locating the new pin positions.

3.04 Insulator pins which will not ultimately be used after the respacing is completed should be sawed off flush with the top of the crossarm.

4. REPLACEMENTS ON CARRIER ROUTES

4.01 The following table provides information on the types of crossarms to be used when replacements are necessary on the different carrier routes in this area.

Section	Crossarm	Replace With
San Bernardino-Yermo	First	W8-16-16
Newhall-Yermo	First Second	S S
Yermo-Yucca Grove	First Second Third	W8-16-16 S W8-24-16
Yucca Grove-Danby	First	S
Yucca Grove-Las Vegas	First Second Third	W8-16-16 S S
Las Vegas-Salt Lake	First Second	W8-16-16 W8-16-16
Specter Mt.-Las Vegas	First Second	S S
Whitewater-Cadiz Jct.	First Second Third	W8-16-16 W8-24-32 S
Cadiz Jct.-Yermo	First	S
Cadiz Jct.-Danby	First Second Third Fourth	W8-16-16 W8-24-32 S S
Danby-Needles Jct.	First Second Third	W8-16-16 W8-24-32 S

Section	Crossarm	Replace With
Needles Jct.-Kingman	First Second	W8-16-16 W8-24-32
Needles Jct.-Needles	First	S
Whitewater-Blythe	First	W8-16-16
Whitewater-Niland	First Second Third Fourth Fifth	W8-24-16 W8-12-16 W8-24-16 W8-12-16 *W8-24-16
Niland-Yuma	First Second Third Fourth Fifth	W8-24-16 W8-12-16 *W8-24-16 W8-12-16 *W8-24-16
Niland-El Centro	First Second	W8-12-16 W8-12-16

*The pin spacing on these W8-24-16 crossarms shall be as shown below: