

Section 1735

1 **1734-3 MEASUREMENT AND PAYMENT**

2 *Remove Existing Communications Cable* will be measured in horizontal linear feet of existing
3 communications cable removed and accepted. Payment will be in linear feet. Sag, vertical
4 segments or spare segments of communications cable will not be paid as these distances will
5 be incidental to the removal of existing communications cable.

6 No additional measurement will be made for multiple cables being removed from the same
7 conduit or same pole. Where multiple adjacent conduits exist (each containing multiple
8 cables), each conduit will be measured and paid separately. No payment will be made for
9 cable that cannot be removed and is abandoned in place.

10 No measurement will be made of the removal of messenger cable, pole attachment hardware
11 and junction boxes, as these will be incidental to removing existing communications
12 hardware.

13 Payment will be made under:

| Pay Item | Pay Unit |
|--------------------------------------|-----------------|
| Remove Existing Communications Cable | Linear Foot |

14 **SECTION 1735**
15 **CABLE TRANSFERS**

16 **1735-1 DESCRIPTION**

17 Remove and reinstall existing communications cable for pole relocations.

18 **1735-2 CONSTRUCTION METHODS**

19 During project, transfers of existing communications cable to new poles may be required.
20 Perform transfers as directed by the Engineer. Remove existing cables from pole to be
21 removed and reinstall these cables and any existing attachment hardware on new pole.
22 Remove all communications hardware from existing pole. Furnish and install any new
23 attachment hardware as required.

24 **1735-3 MEASUREMENT AND PAYMENT**

25 *Cable Transfer* will be measured and paid as the actual number of cable transfers with
26 attachment hardware to new poles furnished, installed and accepted.

27 Payment will be made under:

| Pay Item | Pay Unit |
|-----------------|-----------------|
| Cable Transfer | Each |

28 **SECTION 1736**
29 **SPREAD SPECTRUM RADIO**

30 **1736-1 DESCRIPTION**

31 Furnish and install a spread spectrum radio system with all necessary hardware and signage in
32 accordance with the plans and specifications to provide a data link between field devices
33 (i.e. traffic signal controllers, dynamic message signs, etc.). Provide a radio system with
34 a bi-directional, full duplex communications channel between 2 "line-of-sight" antennas using
35 license free, spread spectrum technology operating in the 902-928 MHz frequency band.

36 Furnish material and workmanship conforming to the NEC, the NESC, UL or a third-party
37 listing agency accredited by the North Carolina Department of Insurance and all local safety
38 laws. Comply with all regulations and codes imposed by the owner of affected utility poles.