

INSTALLATION NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024. See RSD 1736.01 for Spread Spectrum Radio drawing.
- 2. Install Coaxial Cable:
- A. On wood poles, requiring a new rigid galvanized steel riser, install a 2" riser with weatherhead and route the coaxial cable to the
- B. On metal poles with mast arms, run coaxial cable up through the pole and out the mast arm; field drill a 1/2"hole up through the
- bottom of mast arm for installation of the coaxial cable to the antenna.
- C. On metal strain poles, run coaxial cable up through the pole and out the weatherhead and route the coaxial cable to the antenna. D. Between the point of exiting the riser, metalpole or mast arm and the antenna, secure the coaxial cable to the structure using
- 3. If an existing 2" spare rigid galvanized steel riser is available, install the coaxial cable in the spare riser.
- 4. Install wireless antenna on pole with RF warning sign. (Note: RF warning sign not required when antenna is installed on an NCDOT-owned
- 5. Maintain proper clearance from all utilities per the National Electric Safety Code.
- 6. Install wireless serial/Ethernet radio with exterior disconnect switch located on cabinet. (Note: RF antenna disconnect switch and decal are not required when the antenna is installed on an NCDOT-owned pole.)
- 7. Reference"wireless radio antenna typical details."

3/4"stainless steel straps every 12".

8. Request a cell modem from Deputy Division Traffic Engineer (828)331-5253 and allow Division an eight week lead time to acquire the cell



D14-17_Sylva CBD Wireless Communciation Plans

Division 14 Jackson County June 2025 REVIEWED BY: BN Groome N. Greenfield Pkwy, Garner, NC 27529 PREPARED BY: DJ White REVIEWED BY: LM Moon INIT. DATE

Brittany Groome 8/26/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

Plans Prepared By: