REMOVE EXISTING ANTENNA AND REPLACE WITH NEW 8.5 DB GAIN YAGI ANTENNA VERTICALLY POLARIZED AIMED TOWARD INTERSECTION 09-0735.

ATTACH ANTENNA ALONG MAST ARM A MINIMUM OF 6 FEET AWAY FROM THE VERTICAL SHAFT MEMBER. SEE NOTES 1B AND 1D.

INSTALL ETHERNET EDGE SWITCH

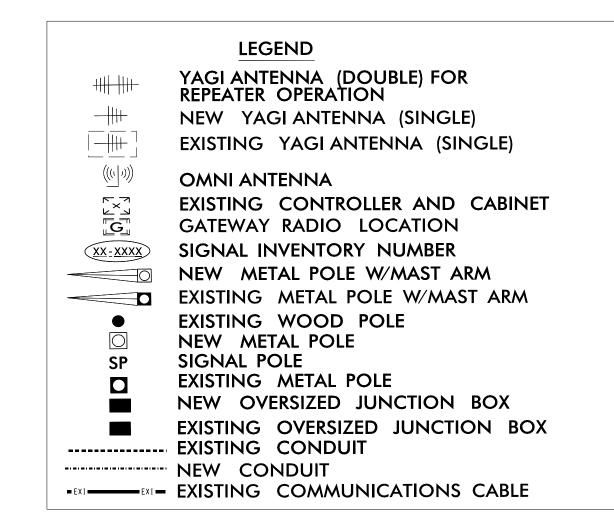
REMOVE EXISTING RADIO AND REPLACE WITH NEW 900MHZ EITHERNET RADIO

INSTALL DEPARTMENT SUPPLIED CELL MODEM AND ANTENNAS

========= NC 8 (Winston Road) (09-0734) _____ NC 8 NB K 16. PTA. (青)#=====<u>====</u>: REMOVE EXISTING ANTENNA AND REPLACE INSTALL ETHERNET EDGE SWITCH WITH NEW 8.5 DB GAIN YAGI ANTENNA VERTICALLY POLARIZED AIMED TOWARD REMOVE EXISTING RADIO AND REPLACE WITH NEW 900MHZ EITHERNET RADIO INTERSECTION 09-0734. ATTACH ANTENNA ALONG MAST ARM A MINIMUM OF 6 FEET AWAY FROM THE VERTICAL SHAFT MEMBER. SEE NOTES 1B AND 1D. NC 8 (Winston Road) (09-0735T1) NC 8 (Winston Road) Metal Pole #5 B-3159

NOTES FOR WIRELESS COMMUNICATIONS:

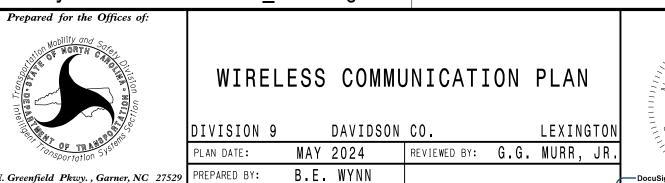
- 1. INSTALL COAXIAL CABLE:
- A. ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
- B. ON METAL POLES WITH MAST ARMS, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE MAST ARM; FIELD DRILL A 1/2" HOLE UP THROUGH THE BOTTOM OF MAST ARM FOR INSTALLATION OF THE COAXIAL CABLE TO THE ANTENNA. SEE "METAL POLE SUPPORTS" IN THE PSP'S FOR MORE INFORMATION.
- 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, METAL POLE OR MAST ARM AND THE ANTENNA, SECURE THE COAXIAL CABLE TO THE STRUCTURE USING 3/4" STAINLESS STEEL STRAPS EVERY 12". SEE "METAL POLE SUPPORTS" IN THE PSP'S FOR MORE INFORMATION.
- 2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER WITH A 2" WEATHERHEAD
- 3. INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN. (NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- 4. MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
- 5. INSTALL WIRELESS RADIO MODEM 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.)
- 6. REFERENCE THE 2024 ROADWAY STANDARD DRAWINGS, SECTION 1736.01.
- 7. CELL MODEM TO BE SUPPLIED BY THE DEPARTMENT. CONTACT THE DIVISION TRAFFIC ENGINEER AT (336) 747–7800 TO REQUEST THE CELL MODEM. ALLOW 8 WEEK LEAD TIME BEFORE ANTICIPATED DEPLOYMENT.



License: F-0453

Signal System #: D09-19_Lexington | UNLESS ALL SIGNATURES COMPLETED

DOCUMENT NOT CONSIDERED FINAL



REVISIONS

Gene G. Murs Jr. INIT. DATE ADD Filename: ___<u>U-5757_SCP</u>_

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CARN