



MODIFY 900 MHz
ETHERNET RADIO
INSTALLATION

RELOCATE 8.5 DB
GAIN YAGI ANTENNA
VERTICALLY
POLARIZED
ATTACH ANTENNA 6"
ABOVE SIGNAL CABLE
WEATHERHEAD

PROJECT NOTES (WIRELESS):

- FOR 06-1348T2, MODIFY RADIO INSTALLATION BY RELOCATING ANTENNA TO NEW METAL SIGNAL POLE.

WIRELESS INSTALLATION NOTES:

- INSTALL COAXIAL CABLE
 - ON METAL STRAIN POLES, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
 - BETWEEN THE POINT OF EXITING THE RISER, METAL POLE, AND THE ANTENNA, SECURE THE COAXIAL CABLE TO THE STRUCTURE USING 3/4" STAINLESS STEEL STRAPS EVERY 12".
- IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER.
- INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN. (NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
- INSTALL WIRELESS SERIAL 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.)
- REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."
- REQUEST A CELL MODEM FROM DIVISION TRAFFIC ENGINEER (910)364-0600 AND ALLOW DIVISION AN EIGHT WEEK LEAD TIME TO ACQUIRE THE CELL MODEM.

LEGEND

	YAGI ANTENNA (SINGLE)
	OMNI ANTENNA
	EXISTING CONTROLLER AND CABINET
	EXISTING GATEWAY CABINET
	SIGNAL INVENTORY NUMBER
	EXISTING METAL POLE
	EXISTING WOOD POLE

Plans Prepared By:

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TMP PHASE 2

		Prepared For: Camden Road CLS Wireless Communication Plans	
Division 6 Cumberland County Hope Mills		PLAN DATE: August 2024 REVIEWED BY: LM Moon	
PREPARED BY: JA Wendt/DJW		DRMP PROJ. NO: 2400555	
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Lisa Moon 10/3/2024
DATE