

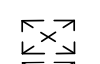





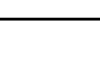





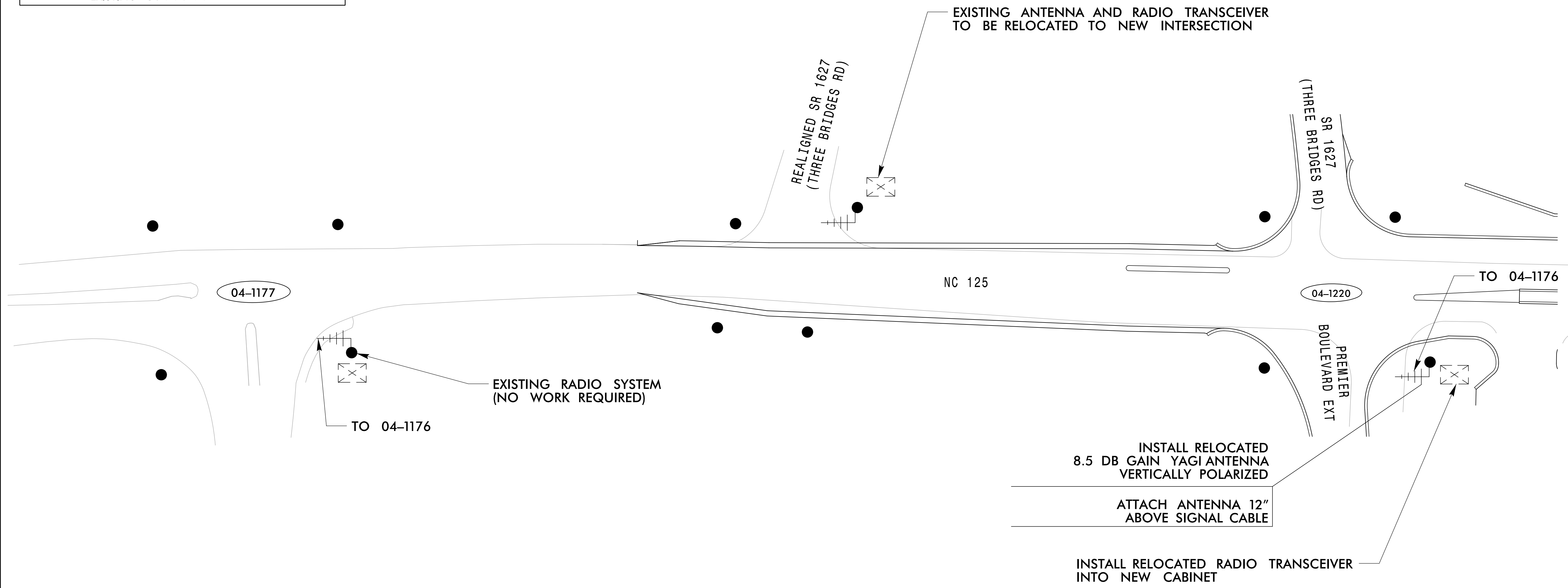


LEGEND

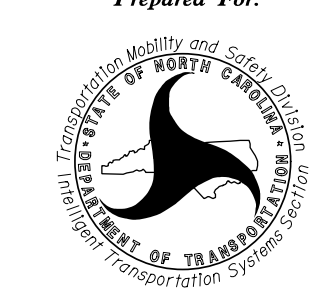
-  YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION
-  YAGI ANTENNA (SINGLE)
-  OMNI ANTENNA
-  EXISTING CONTROLLER AND CABINET
-  EXISTING MASTER CONTROLLER AND CABINET
-  SIGNAL INVENTORY NUMBER
-  EXISTING WOOD POLE
-  SIGNAL POLE
-  EXISTING METAL POLE
-  NEW OVERSIZED JUNCTION BOX
-  EXISTING OVERSIZED JUNCTION BOX
-  EXISTING CONDUIT
-  NEW CONDUIT
-  EXISTING COMMUNICATIONS CABLE



- 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. 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".
 2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER AND SEAL RISER WITH HEAT SHRINK TUBING RETROFIT KIT.
 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 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.)
 6. REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS."

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

Prepared For:

750 N. Greenfield Pkwy., Garner, NC 27529

SCALE
0 40'
1" = 40'

WIRELESS COMMUNICATIONS PLAN NC 125 AT THREE BRIDGES ROAD	
DIVISION 4	HALIFAX COUNTY ROANOKE RAPIDS
PLAN DATE: APRIL 2018	REVIEWED BY: KW SMITH
PREPARED BY: SP PENNINGTON	
REVISIONS	INIT. DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
KEVIN W. SMITH
SEAL 030472
DocuSigned by:
Kevin Smith 5/23/2018
DATE
CADD File name: