

US 25 (Hendersonville Road) at US 25A (Sweeten Creek Road)

LEGEND:

FAP- Fiber Access



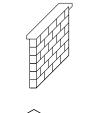
vvB- vvireies Bridge



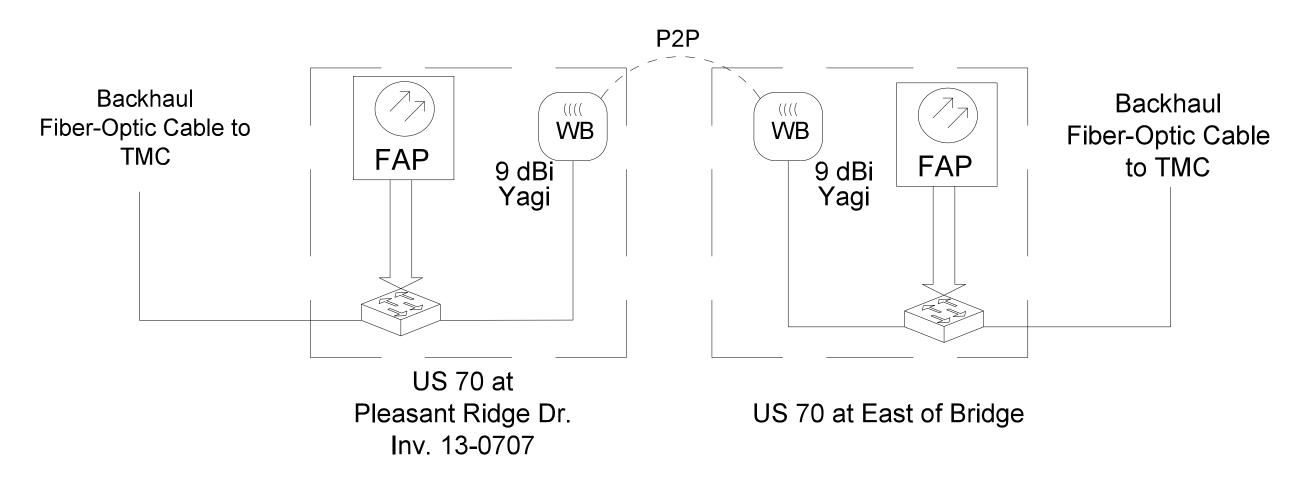
WR- Wireless Repeater



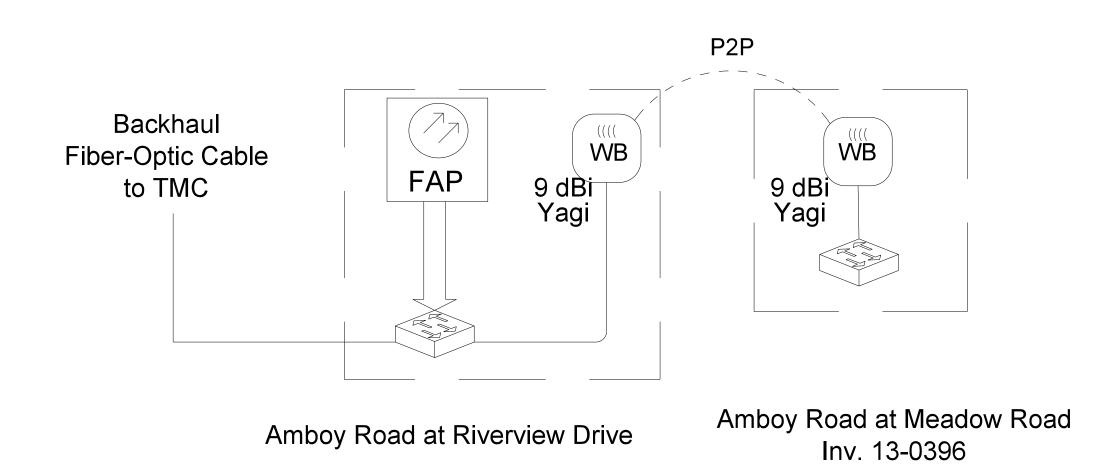
Ethernet
Switch



Cellular Modem



US 70 (Tunnel Road) at Blue Ridge Parkway



Amboy Road

* ALL RADIO EQUIPMENT SHALL MEET THE REQUIREMENTS OF FCC Part 90

NOTES:

- 1. WIRELESS BRIDGE EQUIPMENT SHALL BE INSTALLED ON EXISTING SIGNAL POLES, MAST ARMS AND UTILITY POLES AS SHOWN ON THE PLANS.
- 2. THE CONTRACTOR SHALL INSTALL AND TEST THE WIRELESS BRIDGE SYSTEM AND ASSEMBLY BASED ON THE INSTALLATION TEST AND SETUP PROCEDURES. THE CONTRACTOR SHALL PERFORM ANTENNA ALIGNMENT TO PHYSICALLY ALIGN THE ANTENNAS FOR MAXIMUM SIGNAL TRANSFER.
- 3. THE CONTRACTOR SHALL CONFIGURE RADIOS FOR P2P, P2MP OR REPEATER MODE AS REQUIRED.
- 4. WIRELESS SITES SHALL BE INSTALLED TO PROVIDE OPTIMAL LINE-OF-SIGHT BETWEEN DEVICE LOCATIONS.
- 5. THE CONTRACTOR SHALL INSTALL THE APPROPRIATE ANTENNA TYPE BASED ON THE SITE CONFIGURATION AS LISTED IN THE PROJECT SPECIAL PROVISIONS.
- 6. THE CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROPERLY GROUNDED AS PER THE MANUFACTURER SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL INSTALL SURGE PROTECTION TO PROTECT THE RADIO EQUIPMENT FROM STATIC ELECTRICITY AND LIGHTNING-INDUCED SURGES THAT TRAVEL ON TRANSMISSION LINES. AT LOCATIONS WHERE COAXIAL CABLE IS USED, THE CONTRACTOR SHALL GROUND THE ARRESTOR BY USING A GROUND LUG ATTACHED TO THE ARRESTOR AND A #6 SOLID CONDUCTOR AND CONNECT THE LUG TO EARTH GROUND IN THE SIGNAL CABINET.
- 8. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER PRIOR TO INSTALLING ANY WIRELESS EQUIPMENT.

