Project type:

Transmitter replacement/installation

I. Planning

a. existing transmitter; TPO, ERP

b. desired upgrades; changes to antenna, TPO, ERP or addition of HD capability

c. existing power service, panel make and type, capacity for additional circuits

d. existing rack space, remote control connections, coax switch controllers

e. existing grounding scheme, any improvements or changes needed

f. budget

g. timeline

II. Equipment ordering

a. transmitter

b. ancillary equipment like remote controls, coax switches, switch controllers, processing, STLs, dehydrators, etc

c. electrical supplies; conduit, wire, disconnect switches, breakers, etc

d. RF supplies; rigid line, elbows, field flanges, bullets, heliax connectors, gas fittings, etc

III. Equipment installation

a. transmitter delivery; special arragnements for driveway improvement, lift gate truck, ramps, hand trucks, stair climbers, freight elevators, etc.

b. power connections; subcontractors and/or licensed electricians as required

c. RF connections; plan and cut line, hang coax switches, control cables, etc

d. Audio wiring; from STL or processor, MPX, AES, L/R analog, Ethernet, backup program switching

e. Control wiring; remote transmitter control and metering, remote control labels

IV. Cut over

a. run transmitter into test load, verify remote control

b. run transmitter into antenna; calibrate remote control

c. record spectrum mask with analyzer as required

d. cleanup; labeling, documentation