

April 1, 2007

Before anymore antenna work is attempted. We need to get a few things done.

- **Make a Plan** Running in circles and saying it has to be done won't get it done.
  1. What antennas go up
  2. What work needs to be done
  3. Where every joint is and how it made and how it is sealed
  4. A check list for doing it.
- We did nothing today that move us closer to having the antennas ready to go up. I expect not got done last time either. Until there is plan and the tools and parts together not much is going to get done.
- Order
  1. Order the open wire feeders <http://thewireman.com/antennap.html#balanced> for at least one 131 foot Zep antenna between the two towers. At the rate we are going I am not at all sure we will be able to get anything up on the roof that is tuned as it should be. At least a Zep can be made to work.
  2. Get the rest of the hardware U bolts etc. Fasetenal 329 E Harned Ave. Stillwater, OK 74075 (405)624-1010 [www.fastenal.com](http://www.fastenal.com)
  3. Make sure we have the coax we need to make drops from the antenna to the floor of the attic. We can put ends on the coax in the attic later if we have to.
  4. Antioxidants <http://thewireman.com/chemical.html#1>
  5. Tape I am not sure what kind. I think we need two kinds one that is self sealing and one to protect the joint from UV.
  6. Tar and surface protective coating to cover antenna connections and joints that are open to the weather. <http://thewireman.com/chemical.html#2>
  7. Baluns as needed <http://thewireman.com/baluns.html> Coils of coax can work.
  8. Anything I didn't think of to make the plan happen.
- A took kit with more than a hand held that dives an SWR meter 1/4 scale and a pair of needle nosed pliers that stay with the project until we are done. With at least:
  1. At lest 2 10 foot section of pipe for getting UHF & VHF antennas off the ground. I have these.
  2. a propane soldering iron
  3. Solder
  4. pliers
    - Side cutters
    - wire strippers
    - Needle Nose
    - Lineman's
    - Regular pliers

5. Screw drivers

- -Phillips 3 sizes
- straight 3 or 4 sizes
- a set of Allen Wrench just in case

6. Wrenches

- Open end, box end or combination
- socket wrenches deep and regular
- small adjustable wrench to fit the ones the wrenches above don't fit.

7. Antenna analyzer <some one can bring that but it needs to be there ever time>

- HF
- 2 meter
- 440

- Rebuild the gamma matches on at least one or two meter antennas and a 440 antenna so we will have something to put up.
- 25 or 30 feet of good coax we have it at the Salvation army for testing with a coax fitting on one end and alligator clips on the other end.
- Get everything to assemble and test the beam so it will got together with out the fire drill we went though today.
- Start fixing antennas one at a time with the tools and parts to do the job.