

# MARROWSTONE WIRELESS

a DBA of MACaid, Inc.

July 1, 2017

Hi, Folks,

If you read last month's newsletter you recall my goal was to get the first two homes on Griffith Point Road connected via our new FTTH (Fiber To The Home) solution. I was able to get the first home connected because it could be done without running any of our fiber on Jefferson County PUD poles. The picture to the right shows the new FTTH box that takes the fiber light signal and converts it to Ethernet wire signal to deliver the Internet to the WiFi router inside the house.



The second FTTH home (and all future homes) require permission from the PUD to install our fiber on the PUD poles. I requested that permission on June 28th, Wednesday hoping to squeak under the July 1st date to get our #2 FTTH home connected but, no response. What was I thinking! It takes time for a whale to take notice of a little minnow swimming around its face. Much bigger fish out there to tend to as well. I must be patient. At least as patient as you MW clients who have waited for your service from MW... I have to say I sure appreciate our PUD and all the help they have given to this point in support of MW.



Unexpected but, greatly appreciated in June an opportunity to acquire a used "bucket van" formerly in service with Comcast came to MW. If any of you have seen me attempting to use my 28' extension ladder to work the heights you will know just how happy I am to be safe in the bucket rather than on that shaky ladder. (Thanks, Jeremiah, for that rescue on my ladder weeks ago that sold me on seeking such a tool...) Yup, that's me in the photo.

Another important tool of this fiber trade is something called a fiber optic fusion splicer which allows the glass welding together of two fibers end to end. Although there are other ways to terminate fiber for making connections, fusion splicing is the most reliable and best method to date. The tool is not cheap and requires some special training and experience to get it to work well. My goal is to be able to do this splicing in the air from the bucket at each pole. This is not the normal way currently but, advances in fusion technology tell me it will be the way in the future.

Happy 4th of July!

Peace, David