

## **November 3, 2018 - Filling in the blank space...**

In July when we built up the Fiber Headend Control for the Robbins Fiberhood on the PUD pole at Beach and Robbins you may have wondered why the steel support rack was so high above the control box.

That blank space is for the Fiber Distribution Switch box (which you might think of as an octopus body with each leg ending in a Fiberhood Headend Control box somewhere on the Island).

At the moment, the Robbins Fiberhood Headend Control box is connected directly to the PUD/NoaNet Fiber feed coming from the main Internet source in Seattle. But, it is designed to be fed from the new Fiber Distribution Switch box like all the other Fiberhoods (such as the Griffith Point Fiberhood now operating in its second year). The new box containing this Fiber Distribution Switch equipment is under construction being readied for mounting on the rack above the current Fiber Headend shown in the photo above.



Once the Fiber Distribution Switch (FDS) is in place the cabling on the pole will be changed so the PUD/NoaNet Fiber feed will connect to the input of the FDS and one leg of the FDS will connect to the Robbins Fiberhood Fiber Headend below the FDS. Other FDS legs will be routed via mainline fibers in our mainline cables to the other parts of the Island.

The inspiration that came last month was that the mainline fibers from the FDS should be included into the cable that carries the local Robbins Fiberhood FTTH fibers. So, currently, as the FDS box is built and installed to support FTTH over the whole Island, new fiber cables tailored for our network are being manufactured to be used on Robbins Road and also on roads such as Baldwin, Moen, etc. that are side roads off the mainline. I know it is hard to be patient as we slowly design and build this network specifically for Marrowstone Island but, it will be well worth the flexibility in the long run. BTW: As of today we are serving 176 locations on Marrowstone Island and growing!

Peace, David  
David G. Brader, President  
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