
WEST CANAL
COMMUNITY BROADBAND

How can you help?

- Identify the exact location for our relay stations
- Talk with your neighbors to raise awareness
  - Also ensure they all sign up on the website

What does a survey require?

- Your smartphone
- An app that takes a picture and adds GPS data
  - Apple (iOS): Theodolite Pro ($6)
  - Google (Android): Geocam Pro ($3)
- Your time to drive the neighborhood

The point of a survey

- We need to find places to “bounce” a signal
  - The first relay needs to see Mt Jupiter
  - The second relay only needs to see another relay
- We can daisy-chain as much as we want, but fewer is better
- Each link must be line-of-sight to the next
  - No trees, telephone poles, houses, or other obstructions
  - Most of the time, this means we will relay down the road
  - Try to put relays within line of sight to as many houses as possible
- You may need to talk to neighbors
  - Remember – this is *design only* so is not a commitment!

How to do a survey

- Take a picture of the view of Mt Jupiter
- Take a picture of the exact site you want to put the relay
- Take notes about the site
  - Is it on private property? Do you know the owner?
  - Is it near power (a house or something else)?
  - How many houses can see the relay station (exact count please)?
  - Is there an existing pole, or would we need to build one?
- At the next relay, take a picture of the view to the last relay
  - Note if there are any major obstructions
- Repeat for each relay station

When you're done

- Download all of your pictures
- Put them in order from the Mt Jupiter relay station to the last relay in the "chain"
- Create a Google Doc with your pictures (in order) and notes
- Send us a link to the survey
- Robert will merge your information into the map!

Things to remember!

- Relays don’t need to point at each other – if a neighborhood can see Mt Jupiter from multiple places, that’s OK!
- The fewer relays we need, the cheaper it is to build
- If you live along the water, you may need a relay station across the water to “bounce” the signal
  - See Robert’s overview map for some ideas


Questions?