

Shutesbury Broadband Committee		
8/5/2021	1 PM EDST	Virtual Meeting
Facilitator	Gayle Huntress	
Minutes	Gayle Huntress	
Committee Attendees	<input checked="" type="checkbox"/> Gayle Huntress <input checked="" type="checkbox"/> Jim Hemingway <input checked="" type="checkbox"/> Craig Martin <input checked="" type="checkbox"/> Steve Schmidt <input checked="" type="checkbox"/> Graeme Sephton	
Other	Tim Otto and Matthew Crocker, Crocker Communications	

The purpose of this meeting is to discuss how to increase our network's resiliency and reduce possible points of failure.

There are two places that are failure points:

1.5 miles of single failure point geographically on Leverett Rd (both Crown Castle and MBI backbones travel up this path)

1 Federal St. in Springfield (this is the single network core location)

Leverett fiber can provide diverse path for the street/geographic point of failure. We should consider the proposal to execute on this now. Work can be done quickly to solve the route diversity for the time being. Crocker has optic equipment in stock. Upgrade to 1Gb connection from our 250Mb since that is barely enough to run the phone. Month to month rental so no commitment, minor up-front cost with installation. To do: Vote on this at next regular meeting

But to solve the Federal St. single core-network location problem we need a bigger solution.

Crocker has 100GB from Boston from Springfield. This could be used to build out a transport network. Crocker could act as a data transport division to offer redundancy to each town individually.

Need access to every hut

2-4 rack-units (RU) of space (1 RU=1.75")

DC power

Active equipment

From hardware standpoint would be worth doing 100Gb to future proof for not much more cost.

Wendell and New Salem are very interested in backup solution for backhaul – they currently have none.

Could Crocker sell a datalink as a retainer fee that only get used occasionally?

Problem is that end users have WhipCity IP addresses that won't route on Crocker's network. The individual ISP determines the IP addresses.

To move forward, would need to know interested towns, connect the towns, connect the huts, 100GB connections, THEN you have a geographic diverse ring and THEN you can connect to the outside world. No monthly fee, just a monthly fee to manage hardware (juniper or cisco) there would be an install fee and setup fee then small fee to keep it going (ie management). THEN each town can go

separate and get their backhaul from wherever. Each town would contract separately with their provider of choice via ISP.

Another option is that there could be a regional gateway through Springfield or Boston. So then ISPs can then meet together at one of the gateway locations to share bandwidth between customers.

How do we do an RFP with ALL the towns participating? Likely an IGA between towns, Shutesbury would coordinate, all towns would sign on. Put out the RFP, get the information and then towns could participate or not. The more towns that join the less expensive it will be.

Matt is only interested in getting RFP for solution because it's too much work to do it as a cold-call proposal from his end. Will discuss at next regular meeting Monday, August 30th, at 5PM.