**CELL COMMUNICATIONS COMMITTEE UPDATE FROM CONSULTANT WALTER COOPER**

Walter Cooper

Wed 3/16/2022 12:03 PM

To: [ptocci@thetoccigroup.com](mailto:ptocci@thetoccigroup.com)>; Tinka Shaw

Cc:  Maureen Coen <mrcoen@optonline.net>; John Ledwith; David McFadden

**Tuxedo Existing Towers Preliminary**

Apologies, perhaps there is some misunderstanding or miscommunication.   I was expecting a response from my email of March 3, particularly a “map pin” representation of the locations of the very extensive cell reception survey that your volunteers provided.

Meanwhile, I attempted to produce my own version but was somewhat handicapped by a lack of local knowledge.  For example, some of the address given don’t show up on Google Earth, so I couldn’t plot them.  Also, more information on existing cell tower locations would have been helpful.  Nonetheless, I did some limited propagation modeling which supports the conclusion that the existing cell towers that have been identified so far are not able to provide reliable service in the gap areas.  This is because the existing towers tend to be located along the busy Route 17/I87 corridor and are probably configured to provide maximum coverage along that route and not toward VTP.  The modeling also showed that modifying the existing towers would not significantly improve coverage in VTP because of distance and terrain factors.

One potential additional tower showed up in my search, but I was not able to verify its existence (it may have been registered but not yet constructed).  This tower, if it exists, may have the potential to provide some service to VTP.  I have added it to the tower (Identified as Homeland Towers—Rte. 17A ski area) spreadsheet previously provided and would appreciate any comments or verification you can provide (see attachment).

If local existing towers can’t provide improved service, the logical conclusion is that a facility must be constructed in or very near VTP and the next step would be to identify potential locations acceptable to the community that could provide the needed coverage.  These could include Village-owned utility areas, existing buildings or other structures or unobtrusive locations where small cell towers could be constructed.  This information could then be provided to site developers like Crown Castle, Homeland Towers or American Towers and/or service providers like Verizon, AT&T and T-Mobile under a Request for Proposal (RFP) process.

If the Committee agrees, we need to wrap up the open items identified above and begin the process of site identification and RFP development. As we previously discussed, the best use of you limited budget is to provide as much information from local sources as possible.

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If the Committee agrees, we need to wrap up the open items regarding the cell reception map, additional tower and open questions on the attachment to the maximum extent feasible and begin the process of site identification and RFP development. As we previously discussed, the best use of you limited budget is to provide as much information from local sources as possible.

Thank you and please let me know if there are any questions or comments.

Walter