

Starczewski, Leslie

Subject: FW: Follow-up Questions for the Bridging the Digital Divide RFI

From: Steve Rovarino [<mailto:steve@redroverltd.com>]
Sent: Wednesday, December 03, 2014 8:35 PM
To: Beadles, Richard
Cc: Kronberger, Paul; Schwenn, Kathryn; Starczewski, Leslie
Subject: Re: Follow-up Questions for the Bridging the Digital Divide RFI

Hi Richard,
Just checking to make sure these answers were helpful and clear.

Regards
Steve

On Mon, Dec 1, 2014 at 1:50 PM, Steve Rovarino <steve@redroverltd.com> wrote:
Hi Richard and Leslie;

Answers to your question can be found inline below. In advance of your Dec 11th meeting, if you should have any interest in speaking with the University of Northern Michigan on their eLTE deployment, we might be able to arrange an introduction. That team is starting to expand their deployment, working with the local city, to cover their municipality.

1. Red Rover is a Nevada-based company. What local resources do they have for maintenance?

Red Rover: In our partnership with Huawei (eLTE equipment provider), Huawei has deployed these systems for other carriers and private entities within the US. While Red Rover can consider various support options, the initial thinking was that Huawei would directly support the system. Huawei has field engineers throughout the US and their main office for eLTE equipment south of Chicago. As a model example, Huawei is the service provider for the system deployed at Uni of Northern Michigan. Where the University Administers the system, and Huawei provide service/maintenance and installation/deployment support.

2. What if we scale down to fewer radio sites – does that bring the costs down?

Red Rover: Yes, the system can be scaled up and down based on the number of radio sites. A reduced number of radios will reduce the price appropriately. Variables to consider is coverage area, data throughput and number of users.

3. Do they have the necessary FCC licenses and if not how long would it take to get?

Red Rover: We might have over read this question. So we will offer two answers. 1) The proposed eLTE equipment from Huawei is currently sold in US and has its FCC certificates. As needed, any new products released will also have FCC licenses before introduction into the US market. The application time usually takes 8 ~ 10 weeks for a new product to be approved.

2) If this question is around FCC spectrum, our original assumption was that the City of Madison, University or school district would consider securing an Educational Broadband Service (EBS) from the FCC (details can be found: http://wireless.fcc.gov/services/index.htm?job=service_home&id=ebs_brs). With the EBS spectrum, the network could be used for various local outreach needs.

4. Proposal includes LTE radios in more modern mobile devices – Which LTE bands would they use or be licensing in this application.

Red Rover: Usually LTE smart phones support FDD bands. Band-7 (2500 ~ 2570MHz/2620 ~ 2690MHz) is a non-carrier FDD band that may be used for City of Madison. Band-7 would not conflict with other eLTE carriers like Att/Verizon. FDD is the preferred band as it offers the largest supported devices available. If the City acquires TDD license, the mobile devices will be mainly limited to eLTE dongles, MIFI, and pads.

If other questions should arise, we would be happy to answer. Or if needed, we could hold a conference call to explain in greater detail.

Regards
Steve


On Mon, Dec 1, 2014 at 8:06 AM, Beadles, Richard <RBeadles@cityofmadison.com> wrote:
Good Morning Steven,

The Digital Technology Committee and the City of Madison would like to thank Red Rover Ltd. for their submittal to the Bridging the Digital Divide RFI. The Digital Technology Committee has some follow-up questions about your submittal and they would greatly appreciate clarification on the following items:

1. Red Rover is a Nevada-based company. What local resources do they have for maintenance?
2. What if we scale down to fewer radio sites – does that bring the costs down?
3. Do they have the necessary FCC licenses and if not how long would it take to get?
4. Proposal includes LTE radios in more modern mobile devices – Which LTE bands would they use or be licensing in this application.

The next Digital Technology meeting will be held on Thursday December 11th and the Committee would like to have your responses to these questions before that date if possible. You can send you response directly to me and please also copy Istarczewski@cityofmadison.com. Please contact me if you need clarification on any of these items. Thanks again for your participation in the RFI.

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 *Please consider the environment before printing this e-mail. Thank you!*

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