Memo

To: RFTA Board
From: Phylis Mattice, Pitkin County Assistant County Manager
Re: Request for Participation in DTRS Infrastructure Costs
Date: February 23, 2016

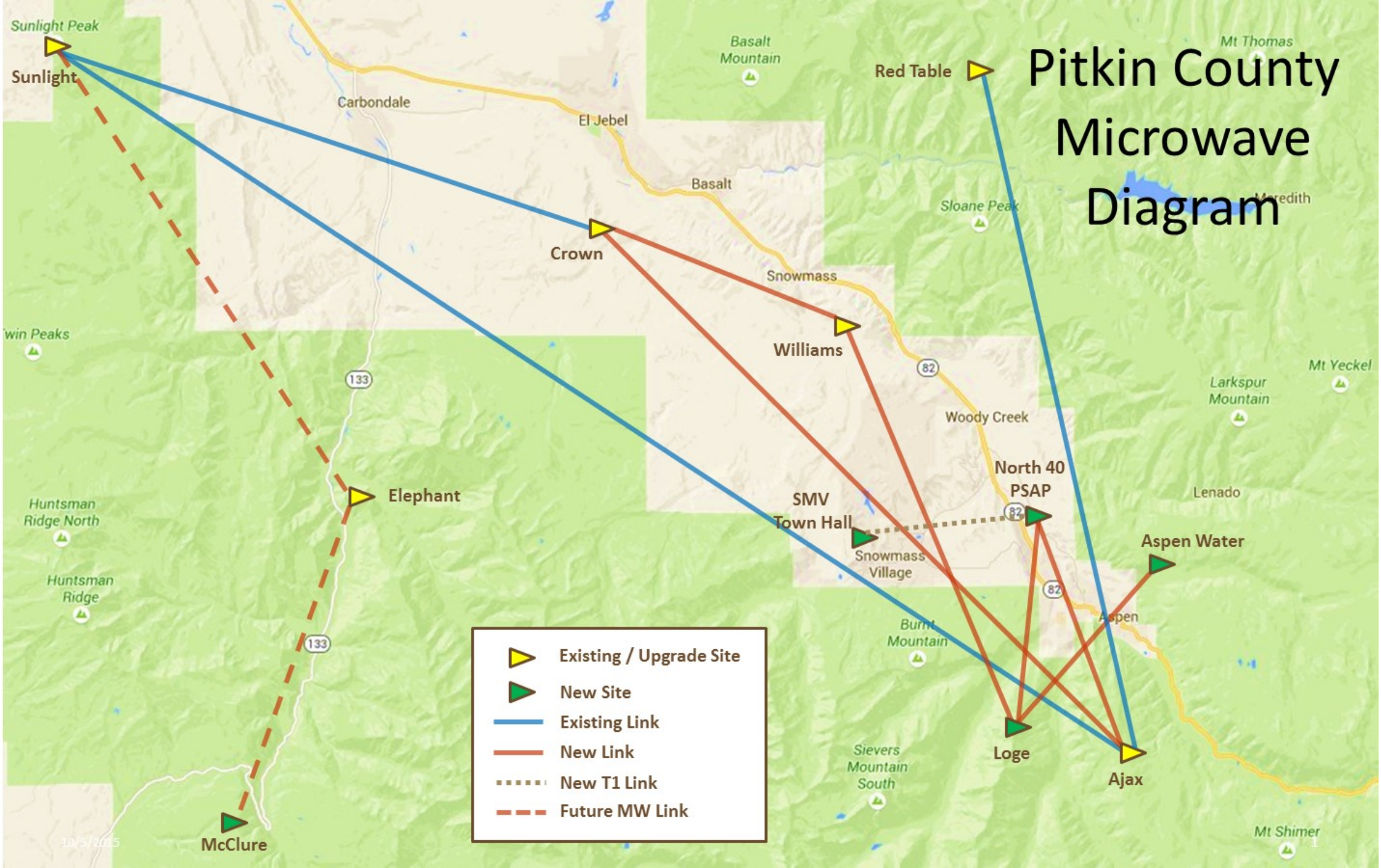
Pitkin County is planning to migrate all radio communications to the State of Colorado's 800 MHz Digital Trunked Radio System (DTRS) throughout the Roaring Fork Valley in 2017. The projected costs for the entire project is approximately $2.5M to include five new communication sites (Aspen Water, Loge, Williams, Snowmass Village and McClure) and capacity upgrades to existing sites (Ajax and Crown). All sites, but McClure are planned to be developed in 2016.

RFTA is currently utilizing 800MHz two-way radio communications along the Hwy 82 corridor from the Ajax and Crown sites. Pitkin County is requesting that RFTA participate in cost-sharing of the investment of expanding the DTRS infrastructure. (See attached map)

Pitkin County cannot bear the costs of this project alone and is seeking commitments and funding from municipalities, special districts and other agencies including the City of Aspen, Town of Snowmass Village and Basalt to name a few. All participating agencies recognize the importance of improving radio communications in the Roaring Fork Valley and mountain drainages and are committed to the successful migration to the 800MHz DTRS system. The benefits to all users of the system, including RFTA, of expanding the system's connectivity will be enhanced coverage and capabilities, system monitoring and greater interoperability.

RFTA is the primary user of the existing DTRS system along the Hwy 82 corridor. To support public safety and other agency communications, Pitkin County will increase the channel capacity on Ajax and Crown to ensure all users have available space in the system. RFTA will have access to all sites being planned in the Pitkin system, as well as all sites state wide. In addition, it is anticipated the two new DTRS sites at Snowmass Village and Loge Peak will provide much needed communications for the RFTA bus routes to Snowmass and Maroon Belles.

At this time, Pitkin County is requesting a commitment of funds so that we may move forward with ordering equipment and scheduling for the project this summer. The total contribution being requested for RFTA's participation in the infrastructure project costs is $100K. It is anticipated payment of funds would be to Pitkin County in August 2016.

Thank you for considering this request. RFTA is a valued partner in our valley and we are looking forward to all services in the valley being on one common communication system.

Pitkin County Microwave Diagram