DEPARTMENT OF PUBLIC WORKS

Quality, Excellence, Innovation

DATE: May 13, 2020 Administration TO: MERA Governing Board Raul PO Box 4186 San Rafael, CA 94913-4186 415 473 6528 T FROM: Rojas, Acting Operations Officer 415 473 3799 F 415 473 3232 TTY AGENDA ITEM E-2: PROPOSED SONOMA-BAY HILL **SUBJECT:** CRS Dial 711 MICROWAVE LINK RELINQUISHMENT www.marincounty.org/pw Direct Operations Officer to work with Sonoma County to Recommended Action: Accounting transfer ownership and operation of the Sonoma-Bay Hill microwave link. Airport Background: The Sonoma-Bay Hill microwave link is currently part of the MERA **Building Maintenance** system. As part of a 2003 license agreement between MERA and Sonoma County (Sonoma), MERA allows Sonoma to utilize the link. Sonoma currently uses the **Capital Projects** majority of bandwidth on the link, while the equipment and FCC licensed frequencies for this link belong to MERA. Certified Unified Program Agency (CUPA) Sonoma is in the process of upgrading their entire microwave system to include more capacity and the existing equipment in the Sonoma-Bay Hill link will become a **Communications Maintenance** 'bottleneck', limiting their network bandwidth. As outlined in the attached request, Sonoma County would like to upgrade this link (at their cost) and acquire the FCC County Garage licensed frequencies. MERA would be provided its required T1 circuits to ensure **Disability Access** continued operation of the existing T-band system. MERA will realize an immediate benefit of improved microwave loop redundancy. Sonoma will provide on-going Engineering & Survey maintenance (at no cost to MERA) until MERA vacates the Bay Hill site after cutover to the MERA NextGen system, at which time Sonoma would take over the site. Sonoma Flood Control & maintains on-hand spare equipment and has committed to providing 2 hour (or less) Water Resources response time for urgent repairs/troubleshooting. Land Development This request was vetted at several MERA Operational Issues Working Group meetings Purchasing in late 2019. Technical & operational questions were raised and addressed during this time and at their December 4 meeting, the Group recommended forward to you Board **Real Estate** for approval. **Reprographic Services** Road Maintenance Sonoma County request letter Attachment: Stormwater Program

Transportation & Traffic Operations

COUNTY OF MARIN

Raul M. Rojas

Waste Management



Sonoma County Sheriff's Office

MARK ESSICK Sheriff-Coroner

JAMES NAUGLE Assistant Sheriff Law Enforcement Division

ALAN VERNON Assistant Sheriff Detention Division

Telecommunications Bureau

Marin Emergency Radio Authority C/O Ethan Simpson, Manager Marin County Public Works Communications Division 4 Peter Behr Dr San Rafael, CA 94903

The Sonoma Mountain (Sonoma) to Bayhill Road (Bayhill) microwave link operated by Marin County includes bandwidth for Sonoma County network traffic. Marin Emergency Radio Authority (MERA) purchased and installed a microwave link from Sonoma to Bayhill, as part of the July 22, 2003 County of Sonoma and MERA License Agreement at the Sonoma Mountain communications site. The agreement included the provision for the microwave link to carry MERA and Sonoma County network traffic.

Sonoma County wishes to expand the bandwidth capacity of the Sonoma to Bayhill link to accommodate data requirements of expanding technologies. This requires replacement of the existing 17 year old MERA microwave radio equipment, or, installing a separate microwave link for Sonoma County.

Sonoma County acknowledges MERA's future plan to decommission the Bayhill communications site, which includes the existing MERA owned, Sonoma to Bayhill, microwave link. Sonoma County proposes to replace the existing equipment and utilize the current FCC licensed frequencies held by Marin County.

It is therefore proposed.

- Marin County transfers FCC licensed frequencies 6197.24 MHz (FCC Call Sign WBM363) and 5945.2 MHz (FCC Call Sign WPRV998) to County of Sonoma.
- Sonoma County will purchase and install a new higher bandwidth microwave radio to replace the existing microwave radios. The new microwave radios will reside in the Sonoma County building at Sonoma Mountain and co-located with the Sonoma County equipment at Bayhill.

Law Enforcement Division 2796 Ventura Avenue Santa Rosa, CA 95403 707.565.2511

Detention Division 2777 Ventura Avenue Santa Rosa, CA 95403 707.565.1422

Coroner 3336 Chanate Road Santa Rosa, CA 95404 707.565.5070

- The new microwave link will carry MERA network traffic, as per the 2003 lease agreement for at least (4) T1 capacity, at no cost to MERA.
- All existing microwave equipment supporting this link shall remain in sole possession of Marin County/MERA. When the Sonoma County installs the new microwave system, the existing equipment shall be turned off and remain in place until such time that Marin County/MERA elects to remove it at their own expense.

If you have any questions or concerns, please feel free to contact me.

Sincerely,

when Russel Holmes

Telecommunications Manager (707) 565-6727