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## MENDOCINO COUNTY *MEMORANDUM*

### *CHIEF EXECUTIVE OFFICE – INFORMATION SERVICES DIVISION*

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DATE: August 2, 2021

TO: Honorable Board of Supervisors

FROM: Cody Snider, Information Services Division Manager

RE: Second Amendment to Agreement 21-001 with Nokia of America Corporation

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#### Previous Board Actions

In November 2018 the Board of Supervisors approved the Information Technology (IT) Master Plan, which stated that the public safety microwave system would require significant upgrades to replace obsolete equipment. On October 22, 2019 the Board accepted a presentation regarding an assessment and needs of the County's public safety communication microwave system and radio network. On November 19, 2019 the Board approved \$1,500,285 identified as microwave reserve for future improvements. During FY 2020-21 budget process the Board of Supervisors approved the appropriation of the \$1,500,285 microwave reserve for phased replacements which included public safety microwave phase II MPLS network upgrade improvements. On January 5, 2021, the Board of Supervisors approved an agreement with Nokia of America Corporation in the amount of \$1,170,271.85 for the acquisition of network upgrade improvements and related services for the County Public Safety Microwave Radio Communications System. On June 22, 2021, the Board of Supervisors approved the first amendment in the amount of \$28,917.52 for the addition of required DC power upgrades. Regular updates regarding IT Master Plan projects have been provided to the Board via the Quarterly Budget.

#### Summary of Request

The IT Master Plan was finalized and approved by the Board in November 2018. The IT Master Plan identified 99 infrastructure initiatives with an estimated fiscal cost of \$20.7 million over five years. Multiple initiatives in the plan identified the need to replace various components of the County's public safety microwave and radio network system as it is critical infrastructure that supports our public safety, emergency medical services, and fire protection stakeholders (as well as other County departmental operations).

On October 22, 2019 the Board accepted a presentation from Information Services regarding an assessment and needs of the County's Public Safety Communication Microwave System and Radio Network. The presentation identified replacing end of life Multiprotocol Label Switching (MPLS) and Time Domain Multiplexing (TDM) switching equipment on the County Public Safety Communication Microwave System and Radio Network. This equipment integrates and manages all Computer Data and Public Safety Data between County offices and data centers via the County Public Safety Communication Microwave System and Radio Network. This aging system also routes and manages all Public Safety radio traffic from Sheriff, Fire, DOT and EMS dispatch to all remote repeater sites and all First Responders in the field with full network ring redundancy. The County requires ongoing support for TDM connectivity to transport analog traffic to repeater sites for First Responders. Due to the TDM requirement, commonly available, standards based MPLS switching devices cannot be utilized for this project. Further, the recommended Nokia equipment is compatible with the existing MPLS and TDM equipment and can be upgraded on a location by location basis, reducing risk and cost significantly.

During FY 2020-21 budget process the Board of Supervisors approved the appropriation of the \$1,500,285 microwave reserve for phased replacements which included public safety microwave phase II MPLS network upgrade improvements. On January 5, 2021, the Board of Supervisors approved an agreement with Nokia of America Corporation in the amount of \$1,170,271.85 for the acquisition of network upgrade improvements and related services for the County Public Safety Microwave Radio Communications System. It was determined during site assessments performed by Nokia that additional DC power upgrades were required to accommodate

equipment upgrades. On June 22, 2021, the Board of Supervisors approved the first amendment to agreement 21-001 with Nokia of America Corporation in the amount of \$28,917.52, for the addition of required DC power upgrades. Due to the modification of project scope, and in consultation with the Facilities & Fleet Division, the Information Services Division determined this project is subject to Public Contract Code and bonding would be required.

**Recommended Action/Motion:**

Approve the second amendment to agreement 21-001 with Nokia of America Corporation in the amount of \$7,372.72, for a new total contract amount of \$1,206,562.09, related to the acquisition of network upgrade improvements and related services for the County Public Safety Microwave Radio Communications System and the addition of Public Contract Code terms and bond premium; and authorize the Information Services Division manager to act as project manager to approve change orders for the project, pursuant to Public Contract Code section 20142.