CITY OF MOUNTAIN VIEW

MEMORANDUM
Information Technology Department

DATE: April 25, 2019

TO: City Council

FROM: Steve Rodriguez, Information Technology Manager
        Roger R. Jensen, CIO/Information Technology Director

SUBJECT: **IT Department CIP Project Requests for Fiscal Year 2019-20**

PURPOSE

This memo transmits the Capital Improvement Project (CIP) requests for the Information Technology (IT) Department for Fiscal Year 2019-20.

BACKGROUND

IT CIPs are usually identified as a single project but may consist of subprojects or separated into different projects for tracking purposes. Proposals for Fiscal Year 2019-20, including requested amendments, total $672,000.

New Projects:

System for Database and System Backups, including off-site cloud storage ($213,000)

The City's application and database servers have grown since the original backup system was designed and is no longer capable of keeping up with the backup requirements for the system. In addition to backup capacity, the new system will migrate backups to cloud-based servers to ensure protection by storing it off-site. The current backup system does not move the data off-site, so catastrophic events at City Hall could jeopardize the ability of the system to be restored.

Upgrade Network Equipment for Additional Capacity and Functionality ($165,000)

The core network architecture for the City was designed and deployed almost 10 years ago, and the network requirements have continued to expand, becoming more complex. While the cost of the original equipment is covered under the Equipment Replacement Fund (ERF), many of the systems are at capacity and cannot be expanded. In addition,

enhanced equipment is now required that allows additional configuration capabilities and cyber-security protection. This fund would be in addition to the ERF funds required to upgrade this network equipment.

IT Infrastructure ($64,000):

This fund is used to add capacity due to new hires, building remodeling, and replace miscellaneous equipment that is not covered under our Equipment Replacement Fund.

Redundant Fiber Optic Network connecting City Hall, Police/Fire Administration Building, and Municipal Operations Center ($175,000)

The City does not have any backup support if the Comcast Institutional Network (iNet) fails. AT&T can provide dedicated fiber connections between City Hall, Municipal Operations Center, and the Police/Fire Administration Building. Cost includes: the three connections, three required new circuits, and additional networking equipment at each site.

Amended Projects

Geospatial Information System (GIS) Development, CIP 4161802 ($55,000):

The funding will continue the development of the GIS platform by expanding the application pool to include advanced web-based mapping solutions and establish an ongoing data maintenance framework to ensure the GIS remains accurate and up to date.

CONCLUSION

A comprehensive review of all current and scheduled projects was performed. These projects have been identified to improve the City's IT systems capacity, reliability, and functionality.

Please let us know if you need any additional information or have any questions.

SR-RRJ/5/IT
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