



Fire Department Radio System Upgrade

Fire Department

City Council
January 16, 2024



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Background

- Radio System Upgrade:
 - The Fire Department analog simulcast communication system is outdated and has reached its lifespan. End-of-Life notification was given to the Fire Department on December 31, 2017.
- Measure Z Spending Plan:
 - City Council approved the amendment to FY2023/24 budget for this project because it is considered Critical Infrastructure.



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Discussion

- Fire Department Radio System:
 - Current Radio System:
 - The current QS2 system is critical Infrastructure for the Fire Department. All Emergency and Non-Emergency dispatch and emergency service communications are handled through this system.
 - Upgrading to AS-IP:
 - Allows for critical infrastructure communication systems to be refreshed.
 - Allows for growth into different radio frequencies 700-800 mhz system.
 - Remote monitoring of the entire communication system.
 - System Development:
 - Public Utilities infrastructure will continue to be used to house equipment.



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Strategic Plan Alignment

- Strategic Priorities:
 - Strategic Priority Number 2: Community Well-Being
 - Goal 2.6 – Strengthen community preparedness for emergencies to ensure effective response and recovery.
 - Strategic Priority Number 6: Infrastructure, Mobility & Connectivity
 - Maintain, protect and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.



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Fiscal Impact

- Measure Z Fiscal Impact:
 - Project Cost:
 - \$1,547,912.00 which includes combining the radio communication system upgrade and seven (7) year service contract.
 - Saving with Combining Upgrade and Service Contract:
 - \$182,718 saved on system upgrade. Able to use existing hardware with upgrade.
 - \$47,367.12 saved on extend service contract.



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Recommendations

That the City Council:

1. Approve the First Amendment to the Support Agreement with Tait North American, Inc., for the Fire Analog Simulcast Communication System upgrade and maintenance, repair, and technical support service for a seven (7) year term ending October 31, 2030, and
2. Authorize the City Manager, or designee, to execute the First Amendment to the Support Agreement with Tait North American Inc., including making a minor and non-substantive changes.



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