

AGENDA ITEM #: _____

DATE: December 2, 2019

CAR #: 2019-6825



CITY COUNCIL ACTION REPORT

SUBJECT: RWC Radio System Simulcast Site (35001)

STAFF PRESENTER(S): Santiago Rodriguez, Acting Chief of Police
Troy Tobiasson, Senior Project Manager

OTHER PRESENTER(S): None

Summary: Authorize the transfer of FY21 construction funds in the amount of \$3,025,000 to be available in FY20, and authorize the expenditure of up to \$2,000,000 for all fees and costs for design, construction and equipment for completion of the RWC Radio System Simulcast Site (35001).

Recommendation: Approve construction budget transfer of \$3,025,000 and expenditure of \$2,000,000 for fees and costs associated with the completion of the RWC Simulcast Site.

Fiscal Impact: The total project budget for fiscal years 2020 and 2021 is \$3,944,000 covers all fees and costs for the design, permitting, equipment, and construction of the RWC Simulcast Site. It is funded from General Funds.

Previous Council Expenditure Authorizations:

Council Approved Design and FF&E for FY20	\$919,000
Council Approved Construction for FY21	\$3,025,000
Total Project Budget	\$3,944,000

Background and Previous Actions

The City of Goodyear joined the Regional Wireless Cooperative (RWC) in 2008. The Goodyear Police and Fire Departments both utilize the RWC 700 MHz radio system as the primary means of communication to and between personnel in the field during routine and emergency operations. Accordingly, the city has a project currently funded within the existing 5-year Capital Improvement Program to provide a replacement site for service currently provided to be relocated within the City of Goodyear at the existing tower behind the Police Telecommunications center.

Staff Analysis

Staff has been coordinating with the Regional Wireless Cooperative to maintain and improve the level of service regarding redundant public safety radio coverage throughout the region. The RWC actively maintains the network for all stakeholders. Motorola Solutions is the sole source vendor for the wireless network equipment. Due to the specialized nature of the equipment, long lead times are needed to facilitate ordering and delivery of equipment, which also begins the warranty period. By moving up construction funds, we maximize our equipment warranty.

Under the current scope of work, the project will include design, permitting, and construction of a stand-alone equipment shelter, universal power supply (UPS), and environmental controls, security access control system installation, installation of generator with pad and fuel tank, radio and microwave system installation, and all site preparation. Funding is approved at \$919,000 in FY20 and \$3,025,000 in FY21.

Advancing the construction funds will also improve coverage for Goodyear without being dependent on additional network sites to be constructed in Buckeye and Tolleson. These tower sites are currently under consideration, and are anticipated to become part of the RWC network in the future. By completing this project at this time, we ensure a robust and reliable telecommunications network for the City of Goodyear.

The currently approved project timeline is as follows:

Project Name	Project Number	Project Planned Completion	QUARTER																			
			FY2020				FY2021				FY2022				FY2023				FY2024			
			1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
RWC Radio System Simulcast Site	35001	6/2021																				

The proposed project timeline is as follows:

Project Name	Project Number	Project Planned Completion	QUARTER																			
			FY2020				FY2021				FY2022				FY2023				FY2024			
			1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
RWC Radio System Simulcast Site	35001	3/2021																				

Making all project funds (design, construction, and FF&E) available in the current fiscal year will shorten the project schedule by 9 months, changing the completion date from June 30, 2021 to September 30, 2020. This revised project schedule would result in greater vendor incentives and lower construction overhead costs, ultimately reducing the overall project budget by \$1,944,000. These funds would then be freely available for other projects. This is based on the most current design-build cost estimates from Motorola, including a project contingency amount, and considers all incentives offered from the vendor for shortening the project timeline and using a design-build construction method. These incentives are contingent upon the contract being executed by 12/20/19.

The breakdown of the proposed project budget is:

Motorola Scope and Fee Statement 10/31/19	\$1,684,953
<u>Project contingency</u>	<u>\$315,047</u>
Total Proposed Budget	\$2,000,000

Attachments

None