



City Council Report

Date: March 20, 2023
To: City Council
Through: Michael Kennington, Deputy City Manager/Chief Financial Officer
From: Edward Quedens, Business Services Director
Kristy Garcia, Procurement Administrator
Subject: Use of a Cooperative Contract for the Purchase of Public Wi-Fi Project Design and Installation for the Department of Innovation and Technology **(Funded by America Rescue Plan Act Funds) (Citywide)**

Purpose and Recommendation

Council is requested to approve the award as recommended.

Department of Innovation and Technology, Project Executive Team of the Public Wi-Fi Project, and Purchasing recommend authorizing the purchase using the City of Tucson Strategic Alliance for Volume Expenditures (S.A.V.E) cooperative contract with SmartWAVE Technologies, LLC for up to \$5,000,000, based on estimated requirements.

Background / Discussion

This contract will provide the study and design required to identify optimal locations to install outdoor wireless Access Points (APs), backhaul devices, and required installations for areas of Mesa in the greatest identified need of reliable internet access.

The City's Subject Matter Experts (SMEs), reviewed case study information from SmartWAVE, and performed reference checks, and budget comparisons utilizing the City's historical data and quotes provided by SmartWAVE. SMEs evaluated SmartWAVE's proposal and references and determined them to be an expert vendor that can provide the required services at a cost comparable to our current methodology while requiring less City staff time.

The Public Wi-Fi Project has been allocated \$3M to be spent by 2026 from America Rescue Plan Act (ARPA) State and Local Fiscal Recovery Funding through Federal allocations to Mesa.

Leveraging this cooperative contract will allow the City to meet the timeframe required to encumber and expend the ARPA funds allocated. Additionally, City staff checked references, and the vendor received extremely positive reviews from the references.

Purchase Information

Action: Award
Procurement Type: Cooperative Contract Use
Contract Number: 2023167

Contracting Agency/Contract Number: City of Tucson/#120558-01

Local Consideration: Policy did not apply to this procurement method

Protests Received: None

Funding Source: Public Wi-Fi Project is funded by ARPA State and Local Fiscal Recovery Funding through Federal allocations to Mesa. Department of Innovation and Technology will identify funding for the installation of outdoor Wi-Fi equipment. There may be Community Development Block Grant funding as public Wi-Fi projects are selected.

Proposals and Comparative Information

The following table compares original project information, actual data from on-site work completed, and forecasted cost to achieve 10 square mile coverage.

More information:

1. **Original per Mile** – This is the original size and budget based on 2019 estimates. No assumptions or exclusions were documented.
2. **Actual Mile 1** – These are the actual costs of the first Downtown square mile completed in 2022 (post-pandemic and inflation).
3. **Future Mile 2+** – These costs are a combination of actual quotes, inventory purchased, and forecasts determined by analysis of data from **Actual Mile 1**.

Item	Original per Mile		Actual Mile 1		Future Mile 2+	
	Cost	Total	Cost	Total	Cost	Total
APs	\$1,000.00	\$130,000.00	\$ 1,839.74	\$ 169,256.08	\$ 1,400.00	\$ 156,800.00
AP Installation	\$1,300.00	\$169,000.00	\$ 2,000.00	\$ 184,000.00	\$ 2,000.00	\$ 224,000.00
Design			\$ 42,638.75	\$ 42,638.75	\$ 75,000.00	\$ 75,000.00
Hardware			\$ 37,881.88	\$ 37,881.88	\$ 37,881.88	\$ 37,881.88
Siklu			\$ 2,050.00	\$ 41,000.00	\$ 2,050.00	\$ 41,000.00
Software			\$ 185.19	\$ 17,037.48	\$ 185.19	\$ 20,741.28

Cost per Mile	\$299,000.00	Cost per Mile	\$491,814.19	Cost per Mile	\$555,423.16
Miles assumed	10	Miles assumed	1	Miles assumed	9
Total Cost	\$2,990,000.00	Total Cost	\$491,814.19	Total Cost	\$4,998,808.44

New Project Total (Actual 1 + Future)	\$5,490,622.63
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