



## PROPOSED PROJECT

**Proposed Project Name:** Mobile Radios for Police Department Vehicles

**Business Problem:**

The Department's existing mobile radios utilized in the patrol and undercover units are currently ten (10) years old and have been discontinued by the manufacturer in 2017. The end of support set for our current mobile units is December 2023.

**Goal / Objectives:**

- Update the patrol fleet with new mobile radios
- Ability to incorporate new P25 GPS location technology in the future
- Support is extended for newer equipment

**Project Description:**

Aside from the vehicle itself, the radio is a very crucial piece of mobile equipment that is used daily. The radio is one of the direct lifelines that the officers and detectives have in the field to each other, and to the Paradise Valley Police Communications Center. Radios are also programmed with several Interoperability channels in the event multiple agencies are working together on an incident as well as our backup frequency, in the event our main channel is inoperable. The need for continued support and functionality is paramount for this piece of equipment.

Motorola is the only logical provider as the State of Arizona has a contract in place that provides equipment at discounted rates to agencies across the state for Communications Equipment and Services. Also, the Paradise Valley Police Department currently utilizes a Motorola radio system and holds an annual service contract with Motorola.

The radios will be covered by a 3-year essential service plan, then will be rolled into the annual service contract that we currently hold.

Each vehicle would take approximately 5 hours for the removal of the current mobile and installation of the new radio with two (2) Motorola technicians. Approximately three (3) vehicles can be completed each day, which will be approximately 3-4 days for FY21-22 and 4 days for FY22-23.

Motorola has offered to complete the install at the Paradise Valley Police Department; however, there is an hourly travel fee, per tech, per day. It would be approximately an additional \$300/day for travel for installation of mobile radios if Motorola were to

complete installation at our station. These travel fees have been added to the cost chart below (listed in orange italics as this is optional).

Stakeholders identified in the project include Command Staff, Communications, Patrol and Detectives.

**Justification/Benefits:** Why should/must the project be started now? List reasons

1. End of support for current mobile radios is fast approaching.
2. Ability to utilize the new technology of P25 GPS Tracking which can be integrated with the mapping tools for Dispatch for more accurate locations of officers in patrol units.

**Funding Sources:**

Town Council have approved a budgeted expenditure of up to \$75,000.00 for the refresh.

Funding: 10-66-869 PD

**Strategic Plan Alignment:**

**Town:** Approved \$75,000.00

**Other:** Re-allocated from other equipment \$7,000.00

PD Goal #4: Incorporate tech into the department

PROJECT COSTS								
Costs (k)	Prior	2021-22	2022-23	2023-24	2022-23	2023-24	2025	Total
Hardware		\$74,151.40	\$85,755.24					\$159,906.64
Travel Fees		<i>\$600.00</i>	<i>\$700.04</i>					<i>\$1,300.04</i>
Labor		\$6,000.00	\$6,600.00					\$12,600.00
O&M								
<b>Total</b>	<b>\$0</b>	<b>\$80,751.40</b>	<b>\$93,055.28</b>					<b>\$173,806.68</b>


LIFECYCLE COSTS	
Assumption:	10 years
Estimated:	Mobile radios have a lifecycle of approximately ten (10) years. The yearly costs are included in the annual maintenance contract with Motorola. As the expense of the radios is significant, the radios will be divided in half and purchased in FY21-22 and FY22-23. Each radio comes with a 3-year essential service package. After the 3-year service has expired, our current annual service contract will continue to provide technical support as well as repairs and returns.

PROJECT TIMELINE		
Duration:	2 years	(Anticipated Completion by January 2023)
Resources:	21 vehicles requiring removal of current mobile radio, programming and installation of new mobile radios, divided over two fiscal years. Ten (10) vehicles for FY21-22, and 11 vehicles for FY22-23, over a 3-4 day time frame per year.	

PROJECT RISKS	
<ol style="list-style-type: none"> <li>1. Several vehicles will be down at a time.</li> <li>2. Unknown hardware costs after ten (10) years.</li> </ol>	
<b>Consequences of Not Performing Project:</b>	
<ol style="list-style-type: none"> <li>1. No further support on current mobile radios provided after December 2023.</li> </ol>	
<b>What criteria should halt this project for review?</b>	
<ol style="list-style-type: none"> <li>1. If it becomes over budget by 10%</li> <li>2. 20% delay measured in work days from the project schedule</li> </ol>	

ROLES					
Organization	Project Mgmt.	Sponsor / Owner	User/ Client	M&O Support	Stakeholder
<i>Chief of Police</i>		X	X		X
<i>PD Commander Support Services</i>			X		X
<i>PD Commander Operations</i>			X		X
<i>PD Detectives</i>			X		X
<i>PD Patrol Officers</i>			X		X
<i>3<sup>rd</sup> Parties</i>				X	

### Approvals

NAME	ROLE	SIGNATURE	DATE
Pete Wingert	Chief of Police		11/01/2021

