ELM GROVE POLICE DEPARTMENT

MEMO

DATE: April 20, 2021

TO: DAVID A. DEANGELIS, VILLAGE MANAGER

FROM: JAMES P. GAGE, CHIEF OF POLICE

SUBJECT: Required Encrypted Radios for Command Staff

Sir:

Currently, we have capital funds for the replacement of existing XTS/XTL radios. We are scheduled for a full replacement of the radios in 2022 for $128,500.00. As the radio project proceeded over an approximate four year implementation, we learned that many law enforcement agencies were moving towards encryption, given that digital channels were regularly being monitored by political protesters, both in Madison and in some local areas. As our systems are shared among multiple agencies, some of our special units necessitate encryption on their operational channel. One of these special units is SCIT. Since our SCIT team channels are encrypted, I needed to upgrade our SCIT assigned officer's radios to contain encryption keys, which was done in 2019. Recently, Sgt. Riley was added, as a SCIT Negotiator, and her radio was also upgraded with encryption. After the unrest in Wauwatosa, we found that, during several mutual aid events, officers were not able to monitor encrypted operational radio traffic, which resulted in information being relayed to our staff over non-encrypted channels. This caused delays in instruction to our officers and compromised information being transmitted over non-secure channels.

At this point, I request to encrypt three more radios to allow for command staff to utilize encrypted channels and to assign encrypted radios to staff, as needed. Eventually, I will need to have all law enforcement radios encrypted, but for now, I will just need these additional radios upgraded, giving us a total of six encrypted radios, until the remaining funds become available in 2022.

I request the advance of $ 3,504.00 from the 2022 capital project to fund encryption for three command officer's (Chief, Assistant Chief and Lieutenant) radios.

Cost breakdown:

1-APX upgrade key	$60.00
3-multi key upgrade	$400.00
3-AES Encryption	$673.00
3-install encryption	$75.00
Total	$3504.00