

November 29, 2022

To: Delores Temes  
Cicero Consolidated Dispatch  
Executive Director

From: John Sullivan  
Account Manager

Please accept this summary of our proposed project for radio system upgrades for the Cicero Consolidated Dispatch Systems.

**Background:**

The Cicero Consolidated Dispatch (CCD) and their police member agencies currently operate on disparate radio system which are utilized by multiple dispatch centers. The current operation allows for errors and potential officer safety issues. The Cicero and Stickney Fire Departments utilize an antiquated system which cannot be repaired or updated. The CCD and member agencies (police and fire) require a reliable, technologically up-to-date system that facilitates effective radio communication for all its users.

**Benefits of the project:**

- Provide interoperability for all of our police and fire member agencies to communicate with each other
- Provides a digital channel which will provide better quality audio.
- Provides for a variety of different manufactured radios to be used on the system
- Allows the Stickney and Forest View Police Department to move from a channel shared by multiple agencies and dispatch centers to their own private channel.
- The current fire channel is outdated and presents responder safety concerns due to its unreliability and poor quality. The new digital channel provides new equipment and up-to-date technology; providing for safer and more effective communications
- Upgraded technology will provide better coverage and clearer audio.
- The microwave system would also serve as the backup connectivity for CAD and the primary link for the future use of fire station alerting systems.

Cicero Consolidated Dispatch Radio Project			
Licensing - FCC			
	1	\$4,000.00	\$4,000.00
Microwave Network. 200 MBPS			
Ring + CPD	1	\$221,070.00	\$221,070.00
Add SFD & CFD1	1	\$71,252.00	\$71,252.00
Add Forest View	1	\$35,626.00	\$35,626.00
Fire Channel Equipment VHF P25	1	\$85,000.00	\$85,000.00
Police 3 Channel P25 Digital AES Encrypted	1	\$190,918.00	\$190,918.00
Site Improvments			
Antenna, Line, Combining, Cabinets, Site Improvements	1	\$158,529.00	\$158,529.00
Turn Key 10' x 20' shelter installation - Subject ot availability	2	\$74,000.00	\$148,000.00
	<b>Total Infrastructure</b>		<b>\$914,395.00</b>