

UASI 2013

ARJIS eMobile Enhancements

SUMMARY:

Local Law Enforcement agencies throughout the San Diego region have benefitted from the ARJIS eMobile system for the past several years. This system provides ARJIS, San Diego Sheriff and State of California hosted law enforcement applications to field officers so that they can obtain critical information on individuals and vehicles from hand-held wireless computing devices. The goal of this proposal is to build on prior successes through the implementation of a production-ready mobile facial recognition system for use on those devices.

BACKGROUND:

Prior year UASI funding was responsible for the successful rollout and training for Terrorist Liaison Officers on tablet PC devices, smartphones, wireless data service costs and related law enforcement software applications. ARJIS wishes to leverage this success by enhancing the ability to identify individuals through a robust facial recognition system and through a new mobile application as outlined in the below proposal. The groundwork has already been established for the most suitable technology. ARJIS completed a market analysis and then instituted a pilot research and development project called TACIDS resulting in the successful identification and arrest of many individuals who would have otherwise avoided detection. The technology, which runs as an Android mobile client was tested for the past 4 months by a select group of officers from multiple agencies and all have reported very positive results. The pilot project along with the licensing necessary to keep the system running will expire at the end of 2013. Funding is needed for a production system.

PROPOSAL:

ARJIS is proposing to utilize UASI 2013 funding to procure an enterprise license agreement with FaceFirst, LLC (sole source) to create a production ready system for ARJIS users, beginning in January 2014. The estimated cost is \$500,000 and includes a one-time cost for the backend facial recognition platform, all of the licenses necessary to enroll up to 1,000,000 individuals into the system, user licenses and 1 year annual maintenance for all of the above.

BENEFITS:

This enhancement to the ARJIS eMobile suite of products is another step in providing a one-stop mobile environment that will allow officers to get timely information when it is needed most. When officers detain individuals in the field, they need to know 1) true identity; 2) status; and 3) involvement in regional incidents. This project will assist with the true identity portion. ARJIS is working to leverage all of these components so that when a person is identified, subsequent searches can be conducted without redundant data entry and automated alerts can be generated. The establishment of a production ready facial recognition system sets the foundation for future efforts that can utilize surveillance as a method to generate automated alerts.

ESTIMATED COSTS:

1. Enterprise FaceFirst, LLC license - \$500,000

Total Estimate - \$500,000