

PSAP Grant Program Grant Ranker

View Application--115--Pictometry Winchester Warren Frederick

Grant Period: 2010

Tier: Broaden or increase the delivery of wireless E-911 equipment or services beyond established minimum functional standards (**BROADEN**)

Grant Program: Enhancement **Grant Type:** Regional Initiative

Priority: GIS: low priority (refer to GIS-related Grant Request Prioritization Matrix for a description of GIS projects that would have a low funding priority) (**GIS LOW PRIORITY**)

Primary PSAP Applicants: Frederick County PSCC

Jurisdictions Served: Frederick, County of
Front Royal, Town of
Middletown, Town of
Stephens City, Town of
Warren, County of
Winchester, City of

Project Director:

LeeAnna Pyles

Director

1080 Coverstone Dr. Winchester VA 22602

540-665-6356 (phone)

540-723-8848 (fax)

lpyles@co.frederick.va.us

Project Description:

Total Project Cost \$212,660.00

Amount Requested: \$212,660.00

Statement of Need:

The areas of Winchester, Frederick and Warren County face many challenges in providing up to date information for its public service practitioners. The areas have succumbed to a large immigration of citizens from the Northern Virginia area. The area has changed overnight from a rural retreat and farming area to a bedroom community for those working in the Washington D.C. area. The people, who now reside here, expect the same types of services offered by our counterparts in the more metropolitan area of the District of Columbia. Housing and commercial construction has boomed to support this immigration. With this change to our communities comes a greater need for information systems that will allow public work and emergency response employees to arrive faster and more efficient to the calls of service. The Pictometry system contributes to the information needed to ensure a faster response and quicker resolution of calls for service. The total population for the three participating jurisdictions is estimated by the United State Census Bureau as being 130,874. The land coverage for this population is established on 638 square miles. The County of Warren also encompasses the Town of Front Royal, which serves as its County Seat. Frederick County has two incorporated towns within its boundaries. These are the towns of Middletown and Stephens City. All three of the towns have police departments and public works departments that operate independent of the County. Warren County also houses Christendom College, a small private liberal arts college. Frederick County houses Lord Fairfax Community College, while Winchester houses Shenandoah

University. These institutions of higher learning increase the size of occupying students which is not reflected in the United States Census. The Colleges and University rely solely on the local and state for all public service needs. Frederick County, Warren County, and The City of Winchester also have the responsibility of providing services the United States Government. The United States Corp of Engineers, Mid-Atlantic Headquarters is housed in Frederick County along with the new Federal Emergency Management Agency, and the Federal Bureau of Investigations Record Center. Warren County is home to the Immigration and Customs Enforcement Agency's K-9 Training Center along with the National Zoological Survey Center. Frederick County also has located within its boundaries the George Washington National Forest. Warren County is home to Shenandoah National Park and Andy Guest, Shenandoah River State Park. In the event of any emergency, the requesting jurisdictions of this grant are called upon to provide support. With all of these important entities, including local, state, and federal assets it is imperative that they be served with the most modern information resources available. Pictometry will fill the void of providing important visual information, in real time, to responding agencies in event of emergencies regardless of size or duration. The System will also provide a better resource to non-emergency activities by allowing users to see and then plan for public service contingencies. This System is deemed as so important to the modernization of the participating jurisdictions information systems that all three have agreed to continue its funding after the second year. Frederick County will remain the Grant Manager in the process and will also serve as its fiscal agent. To ensure that the Grant is administered in a fair and impartial method, all three jurisdictions will provide a representative for the purpose to discuss project milestones, problems, and training. Without the funding, by grant, for this project, it will not be realized until the national economy changes. Even then, it is projected that the funds needed to be used for such an important system will not be available for several years. The grant would allow the participating jurisdictions to implement the System and use the monies that will later be budgeted to upgrade and enhance the system.

Comprehensive Project Description:

The Frederick County, Virginia Emergency Communications Department is requesting a \$212,660.00 project for the Counties of Frederick and Warren and Winchester City, which will greatly benefit from the availability of this Visual Intelligence Tool. County and City agencies will have a common tool to jointly manage emergencies. The Frederick County Emergency Communications Department will administer the program for the 2 counties and 1 city that compose the request. This program would provide unlimited seat licenses for all local agencies operating in this two county area for image libraries, consisting of 2 way oblique and nadir (straight-down) community images, at one-foot resolution for the entire area, and 4 way oblique neighborhood images (6.0 inch resolution) covering approximately 25% of each county. The funding also provides a full suite of library management, measurement and annotation software tools, installation support, training, and customer support. Among the key environmental applications are:

- Search, raid, and seizure planning
- Position surveillance operations
- Integrates with GIS
- Identify staging areas
- Accident reconstruction
- Pre-emptive and concurrent tactical planning
- Target hardening
- Crowd control and evacuation
- Traffic control analysis, planning, and routing
- Historical archiving of pictorial crime statistics and data
- Pictorial references for court presentations
- Land/air coordination in search and rescue efforts
- Set up foot chase/crime-in-progress perimeters in seconds
- View potential dangers such as impact of wind direction to surrounding populations
- Measure distances to trauma centers
- Know the physical attributes of building entries and exits
- Turn night into day and winter into spring; see into shadows

In addition, the use of Pictometry across county levels of government will provide a common operating picture that will greatly enhance coordination and assessments, especially during emergencies. Pictometry will work with the executive director of the Frederick County (and Warren County, Winchester City) Emergency Communications Department to prepare flight plans for the counties, and will capture and process the imagery. The counties will receive their data as well as data for contiguous counties that are also included in this program. The Frederick County Emergency Communications Department, as part of its program administration functions, will obtain a set of images and software and will make copies of the libraries and distribute them to participating agencies. Pictometry and Frederick County Emergency Communications Department will provide training and user support services.

How will the equipment purchased will support future technologies for PSAP readiness?:

Pictometry provides a full interface to each of the PSAP's CAD systems. Dispatchers will require less than 30 minutes training in order to begin using this additional information. Pictometry proved an extremely easy and intuitive interface. The nature of the photography makes it much easier to understand, than traditional

ortho images and provides additional necessary information. Additionally, localities will be utilizing SAN technologies allowing them to gradually add storage space in the future if the need arises. Every effort is being exerted to make sure the solutions are affordable and have longevity.

Budget and Budget Narrative:

Representatives from PSAPs that serve Frederick and Warren counties as well of the City of Winchester upon notice of a grant award assume responsibility for the collaborative effort and decide on an appropriate procurement for the project. Since an acceptable contractor has already been located, the project needs to begin immediately as it will take several months to photograph and process the images. Once this reaches the maintenance stage, the participating localities will be responsible for continuing the project to the conclusion and fulfilling the reporting requirements. Also see attachment.

Evaluation:

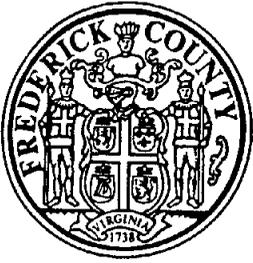
Pictometry, Inc is a world class company that provides a complete package. They will handle the photography, processing, distribution, implementation and training. They also include support in the contract. We will interview lead dispatchers on a quarterly basis for feedback both positive and negative. We will continue to uphold a professional relationship with both the manufacturer and supplier of the purchased system. We will ensure that any problems or strengths of the system are reported in an expeditious manner so that quick resolutions can be addressed. Collective feedback from all users of the system will assist in utilizing all of the system

Attachments

Pictometry Winchester Warren Frederick County.doc
Regional Pictometry Project Letters of Commitment1.pdf

Pictometry Winchester Warren Frederick County

	Year 1	Year 2	Total
FREDERICK CO VA	35,937.50	35,937.50	71,875.00
External USB220gb Hard Drive	200.00		200.00
Compressed library car/trucks	2,500.00		2,500.00
ESRI Arc IMS integration	595.00		595.00
CAD Integration(Unlimited 1 dept)	5,000.00		5,000.00
Add'l CAD vendor cost	8,600.00		8,600.00
1 TB NAS server	7,500.00		7,500.00
1 flat screen monitor for center	400.00		400.00
1 NF500 storage server	7,605.00		7,605.00
Total			\$104,275.00
WARREN CO VA	17,935.00	17,935.00	35,870.00
external USB 220gb Hard Drive	200.00		200.00
Compressed library car/trucks	2,500.00		2,500.00
ESRI Arc IMS integration	595.00		595.00
CAD Integration(Unlimited 1 dept)	5,000.00		5,000.00
1 TB NAS server	7,500.00		7,500.00
1 flat screen monitor for center	400.00		400.00
Total			\$ 52,065.00
WINCHESTER CITY VA	4,450.00	4,450.00	8,900.00
External USB220gb Hard Drive	200.00		200.00
Compressed library car/trucks	2,500.00		2,500.00
ESRI Arc IMS integration	595.00		595.00
CAD Integration(Unlimited 1 dept)	5,000.00		5,000.00
Add'l CAD vendor cost	19,500.00		19,500.00
5 PCs with monitors	8,350.00		8,350.00
1 TB NAS server	7,500.00		7,500.00
1 flat screen monitor for center	400.00		400.00
5 monitor stands	3,375.00		3,375.00
Total			\$56,320.00
GRAND TOTAL			\$212,660.00



COUNTY of FREDERICK

John R. Riley, Jr.
County Administrator

540/665-5666

Fax 540/667-0370

E-mail:

jriley@co.frederick.va.us

October 30, 2008

Dorothy Spears-Dean, PSC Coordinator
Virginia Wireless E-911 Services Board
Commonwealth Enterprise Solutions Center
11751 Meadowville Lane
Chester, Virginia 23836

RE: Regional Pictometry Project

Dear Ms. Spears-Dean:

Frederick County is pleased to participate in a regional approach with the City of Winchester and Warren County to improve our respective communications systems and interoperability. With the financial assistance of the Wireless E-911 Services Board grant, our jurisdictions will jointly conduct a digital photometric project ("Pictometry") that will provide updated and detailed images for emergency communications. The images and data from this project will greatly enhance coordination and emergency response within and between our jurisdictions. The end result is a more thoroughly prepared public safety program that saves time, resources, and lives.

Frederick County hereby expresses its support and encourages the Board to fund our grant request of \$212,660. If you have any questions, please do not hesitate to call me.

Sincerely,

John R. Riley, Jr.
County Administrator

Cc: LeeAnna Pyles, Director of Emergency Communications
Doug Stanley, Warren County Administrator
Brannon Godfrey, Winchester City Manager



CITY OF WINCHESTER, VIRGINIA

Rouss City Hall
15 North Cameron Street
Winchester, VA 22601

Telephone: 540/667-1815
FAX: 540/723-0238

October 30, 2008

Dorothy Spears-Dean, PSC Coordinator
Virginia Wireless E-911 Services Board
Commonwealth Enterprise Solutions Center
11751 Meadowville Lane
Chester, Virginia 23836

RE: Regional Pictometry Project

Dear Ms. Spears-Dean:

The City of Winchester is pleased to participate in a regional approach with Frederick County and Warren County to improve our respective communications systems and interoperability. With the financial assistance of the Wireless E-911 Services Board grant, our jurisdictions will jointly conduct a digital photometric project ("Pictometry") that will provide updated and detailed images for emergency communications. The images and data from this project will greatly enhance coordination and emergency response within and between our jurisdictions. The end result is a more thoroughly prepared public safety program that saves time, resources, and lives.

The City hereby expresses its support and encourages the Board to fund our grant request of \$212,660. If you have any questions, please do not hesitate to call me.

Sincerely,

Brannon Godfrey
City Manager

Cc: Erin Elrod, Director of Emergency Communications
John Riley, County Administrator

COUNTY OF WARREN



County Administrator's Office
Warren County Government Center
220 North Commerce Avenue, Suite 100
Front Royal, Virginia 22630

Phone: (540) 636-4600
FAX: (540) 636-6066
Email: admin@warrencountyva.net

Douglas P. Stanley
County Administrator

October 31, 2008

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Dorothy Spears-Dean, PSC Coordinator
Virginia Wireless E-911 Services Board
Commonwealth Enterprise Solutions Center
11751 Meadowville Lane
Chester, VA 23836

RE: Regional Pictometry Project

Dear Ms. Spears-Dean:

I am writing in support of the County of Warren's participation in a regional initiative with Frederick County and City of Winchester to improve our respective communications systems and interoperability.

We are seeking a regional grant of \$212,660.00 from the Wireless E-911 Services Board grant so that the three jurisdictions can establish a digital photometric project ("Pictometry") that will provide updated and detailed images for emergency communications. The images and data from this project will greatly enhance coordination and emergency response within and between our jurisdictions. The end result is a more thoroughly prepared public safety program that saves time, resources, and lives.

We look forward to working with the City of Winchester and Frederick County on this regional pictometry project. If you have any questions, please do not hesitate to call me.

Sincerely,

Douglas P. Stanley, County Administrator

cc: Richard Mabie, Warren County Fire Chief
Karen Crum, E911 Coordinator
Becky Whited, Administrative Assistant to Patrol, Warren County Sheriff's Office
Susan Musante, Grants and Special Projects Coordinator