

PSAP Grant Program Grant Ranker

View Application--44--Appomattox

Grant Period: 2009

Tier: Replacement of non-vendor supported wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**NON-VENDOR SUPPORTED**)

Grant Program: Enhancement **Grant Type:** Individual PSAP

Priority: Parcel mapping (**PARCEL**)

Primary PSAP Applicants: Appomattox County

Jurisdictions Served: Appomattox

Project Director:

Bobby Wingfield

Appomattox

Appomattox Co. Public Safety 339 Court St. P.O.Box 787 Appomattox VA, 24522

434-352-3950 (phone)

434-352-3968 (fax)

bobby.wingfield@appomattoxcountyva.gov

Project Description:

Appomattox County intends to update their current CAD mapping to incorporate new base data, 2007 orthoimagery and parcel data. This project involves loading new imagery and parcel geometry to accurately display on this new imagery. This is part of an overall County plan to update their VBMP based parcels, centerlines, address structure points and access points to the 2006/2007 imagery as a vital aid to 911 dispatchers serving their citizens.

Total Project Cost \$38,700.00

Amount Requested: \$30,960.00

Matching Funds: \$7,740.00

Additional Local Funds: \$0.00

Statement of Need:

This project falls under Funding Tier 2, Enhancement Program option 8, Parcel Mapping. Parcel geometries are created using the best source information available at the time of conversion. It is necessary to update the parcel geometries and orthoimagery used by County for E-911 to keep service levels up to date.

Project Impact:

This project improves the County's ability to provide emergency and non-emergency services to the County citizens. This project will enable us to more accurately locate wireless and wireline emergency calls in relationship to the parcels, roads, structures, and addresses.

Consequence of Not Receiving:

The County has some available funding to maintain the newly adjusted parcel data, but lacks the funding,

in-house time and expertise to adjust the parcels.

Part of Long Term or Strategic Plan?: Yes

Likelihood of Completion Unfunded?: 0%

Other Available Funding Sources?: No

Percent of Grant Funding Requested To Total Funding Cost?: 80%

Is Project Locally Sustainable?: Yes

Comprehensive Project Description:

The County plans to update its GIS and E-911 data to the 2007 orthoimagery in its continuing effort to provide the highest quality emergency services to County citizens. The County will conflate all associated annotation to the parcel data through local funding to lessen the overall grant request from the state. The parcel adjustment project will be completed in five(5) phases: Verifying and Loading Data, Pilot Area Creation, Delivery and Acceptance, Aligning Parcel Data to the Orthoimagery, a Quality Control phase to review parcel adjustments and correct topology, and Final Delivery and Data Load. The anticipated duration of the parcel project will be approximately four months from kick off to completion. Phase 1: Verifying and Loading Data This phase of the project will include receiving and verifying the parcel data, hard copy parcel maps, and 2006/2007 orthoimagery. Orthoimagery and parcel data will be loaded into an Enterprise geodatabase platform for viewing and editing environment. Hard copy taxmaps will be scanned and rectified to the orthoimagery for reference. The anticipated duration of Phase 1 is three weeks. Phase 2: Pilot Area Creation, Delivery and Acceptance The phase will involve establishing a pilot area of one taxmap and one insert to perform initial review and adjustment. Once this pilot delivery is complete, the County will have the opportunity to review and comment on the data. Once pilot area data is agreed upon, work will continue on Phase 3. The anticipated duration of this phase is four weeks. Phase 3: Aligning Parcel Data to Orthoimagery Aligning parcel data to the orthoimagery will take place in the ArcSDE environment, allowing Specialists ease of use and continuity throughout the County. All parcel data will be visually inspected by Specialists with immediate focus on areas of development since 2002. Where areas must be updated for development, parcel maps will be used as a guide to placement as well as imagery. The anticipated duration of this phase is six weeks. Phase 4 Quality Control Phase 4 involves quality control of the adjusted parcels. A QA/QC Specialist will inspect all parcel data for errors or improvements of the performed work. Topology checks of the parcel geometry will also be performed to rule out overlapping geometry, gaps in the geometry, multi-part parcels(unless intended), and other geometric errors. These issues will be addressed to ensure a quality product. The anticipated duration of this phase is two weeks. The anticipated duration of this phase is two weeks. Phase 5: Final Delivery and Data Load Phase 5 involves the creation of a new parcel export file matching the requirements of the CAD mapping system in use by the County. Parcel data and orthoimagery will be loaded into the system on-site for use in dispatch. The anticipated duration of this phase is one week.

What type of interface or compatibility solution will be used between existing equipment and/or software and that which you intend to purchase?:

The County does not intend to purchase equipment or software.

What is the overall relationship of your project to your PSAP or locality's established long-range future plans?:

This project is part of the County's long-term commitment to improve response capability through establishment of a common base data set using the VBMP imagery and roads. As the County has already invested in migrating to the VBMP data at the time of its initial addressing project, it is important to continue investing in maintaining the data to the VBMP as it evolves.

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

Not Applicable.

Budget and Budget Narrative:

See Attached.

Ongoing Expenses:

The County intends to maintain the parcel data through local funding associated with the County's

emergency operations.

Evaluation:

The anticipated outcome of this project is the County's ability to include its parcel data as an aid to dispatch in its CAD mapping display. The evaluation of the data will conform to the measures set out below.

What are the short term, intermediate, and/or long-term outcomes desired for this project?:

Desired Project Outcomes include a comprehensive parcel dataset that will overaly the 2007 imagery within the County's GIS and E-911 CAD Mapping System.

What measures will be used to determine outcomes?:

Success measurement will be defined in terms of achieving the desired functionality within the established project timeframe and fee. Specific functional requirements are: VBMP Adjustment – Location of parcels that overlay the location as shown on the 2007 imagery within the accuracy standards for the given area (1"=200' and 1"=100' scale mapping standards). Successful implementation will be defined in terms of project milestones and final project deliverables. Project milestones for VBMP Adjustment will include: 1. Project Kick-off 2. VBMP Imagery acquisition 3. Pilot area production 4. County Review and Acceptance of pilot data 5. Final data delivery, data load, acceptance

How will data be collected and how will evaluations be conducted?:

Evaluation data will be collected throughout the project as specific milestones are achieved. The data sources will include regular project status reports, milestone testing and acceptance documents, and final project acceptance documents.

How will data be presented?:

As part of the overall project, a Project Management Document shall be developed that incorporates each stage of the project, and provides an audit trail associated with final outcomes, final project metrics, and achievement of specific project deliverables.

Attachments

Appomattox Parcel Budget.PDF

Budget Attachment:

Proposed Project Fee				
Phase	Required Tasks	Total Fee	Grant Request	Matching Funds
1	Receiving, Verifying, and Loading Data	\$ 2,900	\$ 2,320	\$ 580
2	Pilot Area Creation, Delivery and Acceptance	\$ 3,000	\$ 2,400	\$ 600
3	Aligning Parcel Data to Orthoimagery	\$ 28,800	\$ 23,040	\$ 5,760
4	QC - Topology	\$ 4,000	\$ 3,200	\$ 800
5	Final Delivery and Data Load	\$ 3,000	\$ 2,400	\$ 600
		\$ 41,700	\$ 33,360	\$ 8,340