

FY12

# PSAP GRANT PROGRAM APPLICATION



VIRGINIA INFORMATION  
TECHNOLOGIES AGENCY  
Integrated Services Division  
FY12



## FY12 PSAP GRANT PROGRAM APPLICATION

### HOW TO APPLY/DEADLINE

The grant application will be available and accessible from VITA's Integrated Services Program's website (<http://www.vita.virginia.gov/isp/>). Upon completion of the application, it is to be submitted to the PSAP Grant Manager, Lisa Nicholson, at [lisa.nicholson@vita.virginia.gov](mailto:lisa.nicholson@vita.virginia.gov). Any supporting documentation must also be submitted along with the application.

After submission, the PSAP Grant Manager will assign a Grant ID and send an e-mail notification to the project contact e-mail address listed on the application received.

All funding requests must be submitted using the grant application. In addition to the grant application reference manual, technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY12 PSAP Grant Application Cycle deadline is December 22, 2010 at 11:59 pm.



## FY12 PSAP GRANT APPLICATION

### PROJECT TITLE

Amelia County Enterprise GIS Project

### GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: Amelia County  
 CONTACT TITLE: E 9-1-1 Coordinator  
 CONTACT FIRST NAME: Jason  
 CONTACT LAST NAME: Malloy  
 ADDRESS 1: PO Box 463  
 ADDRESS 2: 16441 Court St.  
 CITY: Amelia  
 ZIP CODE: 23002  
 CONTACT EMAIL: rjmalloy@ameliasheriff.org  
 CONTACT PHONE NUMBER: 804-561-2118  
 CONTACT MOBILE NUMBER: 804-314-2634  
 CONTACT FAX NUMBER: 804-561-2269  
 REGIONAL COORDINATOR: Sam Keys

### HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

### GRANT TYPE

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Individual PSAP | <input type="checkbox"/> Regional Initiative     |
| <input type="checkbox"/> Consolidation              | <input type="checkbox"/> Secondary Consolidation |



**GRANT PROGRAM TYPE**

- Wireless E-911 PSAP Education Program
- Continuity and Consolidation       Enhancement

**TIER**

- Out of Service       Non-Vendor Supported
- Technically Outdated       Strengthen
- Not Applicable

**PROJECT FOCUS** GIS HIGH SUPPORT

If "Other" selected, please specify: [Click here to enter text](#)

**FINANCIAL DATA**

Amount Requested: \$ 86,778

Total Project Cost: \$ 86,778

**STATEMENT OF NEED**

**This statement should reference the relationship to the current funding priorities established by the Grant Committee and include evidence of any financial need. Additional items to discuss that referenced need should include: impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 1)



**Describe how the grant will be maintained and supported in the future, if applicable.**

The grant, its associated paperwork, ordering of equipment, etc. shall be maintained and conducted by the E 9-1-1 Coordinator. Additional support shall be obtained through the administrative staff of the Amelia County Sheriff's Office.

**COMPREHENSIVE PROJECT DESCRIPTION**

**FOR WIRELESS E-911 PSAP EDUCATION PROGRAM GRANT REQUESTS:**

**Describe how the education/training is 9-1-1/public safety communications specific and how this will benefit E-911 and the employee(s) and/or PSAP.**

N/A



**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

**Provide a thorough, concise, and complete description of the project, including an outline of the goals and objectives, implementation strategy, and a work plan.**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 2)

**FOR CONTINUITY AND CONSOLIDATION OR ENHANCEMENT PROJECTS:**

**PROJECT TIMELINE** – Select each applicable phase of the project and indicate the estimated completion date. Sample activities for each phase can be found in the PSAP Grant Program Guidelines as well as on the addendum to this form.

<b>PROJECT PHASE</b>	<b>ESTIMATED COMPLETION DATE</b>
<input checked="" type="checkbox"/> <b>INITIATION</b> (Project approved by appropriate stakeholders)	<b>08 / 31 / 2011 (GIS)</b> <b>08 / 31 / 2012 (Web Tool)</b>
<input checked="" type="checkbox"/> <b>DESIGN/PLANNING</b> (Project, system, or solution requirements are developed)	<b>10 / 31 / 2011 (GIS)</b> <b>08 / 31 / 2012 (Web Tool)</b>
<input checked="" type="checkbox"/> <b>ACQUISITION</b> (Selected system or solution is procured)	<b>12 / 31 / 2011 (GIS)</b> <b>08 / 31 / 2012 (Web Tool)</b>
<input checked="" type="checkbox"/> <b>IMPLEMENTATION</b> (Selected system or solution is configured and installed)	<b>03 / 31 / 2012 (GIS)</b> <b>10 / 31 / 2012 (Web Tool)</b>
<input checked="" type="checkbox"/> <b>TESTING/COMPLETION</b> (Selected system or solution is tested and put in production)	<b>06 / 30 / 2012 (GIS)</b> <b>08 / 31 / 2012 (Web Tool)</b>



**Identify the longevity or sustainability of the project.**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 3)

**Describe how this project supports the Virginia Statewide E-911 Strategic Comprehensive Plan.**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 4)

**REGIONAL INITIATIVE (if applicable)**

**The relationship of the initiative to the participating PSAPs:**

N/A



<p><b>Intended collaborative efforts:</b></p> <p>N/A</p>
<p><b>Resource sharing:</b></p> <p>N/A</p>
<p><b>How does the initiative impacts the operational or strategic plans of the participating agencies:</b></p> <p>N/A</p>

**CONSOLIDATION (Primary or Secondary) - (if applicable)**

<p><b>How would a consolidation take place and provide improved service:</b></p> <p>N/A</p>
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<p><b>How should it be organized and staffed:</b></p> <p>N/A</p>
<p><b>What services should it perform:</b></p> <p>N/A</p>
<p><b>How should policies be made and changed:</b></p> <p>N/A</p>
<p><b>How should it be funded:</b></p> <p>N/A</p>



**What communication changes or improvements should be made in order to better support operations:**

N/A

### **BUDGET AND BUDGET NARRATIVE**

**List the planned expenditures to be made with grant funds. (NOTE: In lieu of a line item breakdown, an itemized cost schedule or detailed vendor prepared quote may be submitted as an attachment.) Briefly explain the reason for each requested budget item and provide the basis for its cost:**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 5)

For Vendor Quote, See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 7)



## EVALUATION

**How will the project be evaluated and measured for achievement and success:**

See Attached Document – Amelia Co. Enterprise GIS Project – FY2012 PSAP Grant Supporting Documentation (Section 6)



## FINANCIAL AND PROGRAMMATIC REPORT

### PROJECT PHASES

### SAMPLE ACTIVITIES

#### PHASE

#### SAMPLE ACTIVITIES

##### **INITIATION**

(Project approved by appropriate stakeholders)

- Project concept is documented
- Local Board or governing authority approval or endorsement is received
- PSAP grant application is filed
- Local budgets are obtained
- Appropriated grant funds are approved
- Budgetary estimates are obtained

##### **DESIGN/PLANNING**

(Project, system, or solution requirements are developed)

- Requirements are documented
- Components to be purchased are identified
- General design is documented

##### **ACQUISITION**

(Selected system or solution is procured)

- RFP (or other bid related processes) are drafted
- Proposals are evaluated
- Contract is signed
- Purchase orders are issued
- Quotes are obtained/grant funds draw down

##### **IMPLEMENTATION**

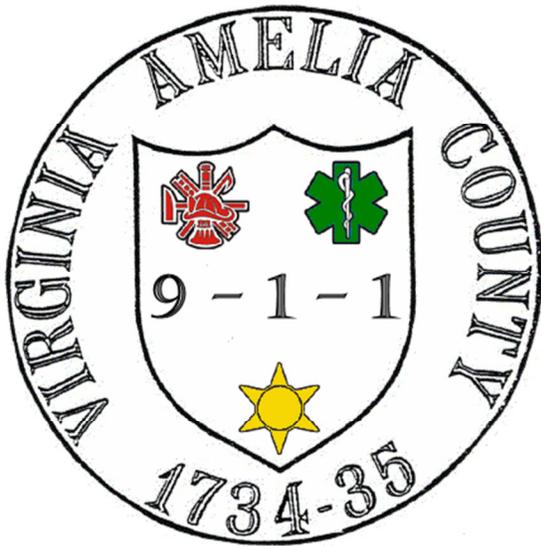
(Selected system or solution is configured and installed)

- Purchased components are delivered and installed
- Training is performed

##### **TESTING/COMPLETION**

(Selected system or solution is tested and put in production)

- Performance of system/solution is validated
- System/solution goes "live"

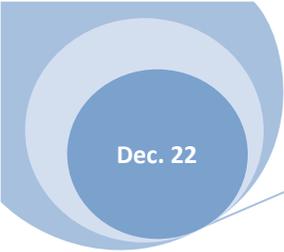


## Amelia Co. Enterprise GIS Project

FY2012 PSAP Grant Supporting Documentation

The following document contains grant narratives, as well as budgetary quotes to support the FY2012 PSAP Grant Application being submitted by the Amelia County Sheriff's Office.

**R. Jason Malloy, B.S., PEM**  
**12/22/2010**



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## Document Definitions

GIS – Geographic Information System

### Section 1 – Statement of Need

The Amelia County Sheriff's Office operates the PSAP for Amelia County. Current, the GeoComm GeoLynx MO mapping system is in use to assist dispatchers in locating addresses during an emergency call. This system was implemented in 2004 and is currently maintained through an annual contract with GeoComm. Crucial countywide GIS layers are maintained for this system, including address points and centerlines.

An Enterprise GIS system will facilitate interoperability across county departments by leveraging existing 911 data as well as other critical county data, enabling processes that currently are not possible with the present system, to gather, maintain, and analyze that data, thus greatly increasing accuracy, efficiency and scalability of that data. Due to the limited resources of Amelia County's IT capacities and the increasing need for GIS services throughout the county, it is critical that the County's GIS system be as efficient and streamlined as possible. An Enterprise GIS is the industry standard to meet that goal.

Without this Enterprise GIS, safety for county residents could be impeded due to inferior data that is not updated as frequently. Less time would be available for 911 data and mapping needs due to increasing pressures on the current GIS system that an Enterprise system would alleviate.

### Section 2 – Project Description

The ability for any emergency services organization to provide quality emergency response to the community is partially based on its ability to locate emergencies. In many instances, emergencies and callers are difficult to locate, and having a quality GIS in place can be the difference between life and death.

Crucial address data layers must be brought up to date for use in an enterprise GIS. The implementation of a web-based address verification tool is needed as well. The web-based tool will allow PSAP administrative personnel, in conjunction with emergency management and other public safety personnel, to verify new addresses and roadways. It will also enable a better response to incidents where addressing for a particular residence is not clearly marked.

#### Section 2.1 – Goals and Objectives

Goal 1 – To provide the citizens of Amelia County and the Commonwealth of Virginia, as well as the first responders of Amelia County and the Commonwealth of Virginia, the best possible level of emergency response/care.

Goal 2 – To ultimately raise our level and quality of service to the point where Amelia County can provide the best possible service to Wireless 9-1-1 callers. This includes both citizens of Amelia County and citizens of the Commonwealth of Virginia passing through Amelia County.

Goal 3 – To improve public safety by ensuring that the PSAP has more accurate and up to date data on addresses and other essential data for responder use.

Goal 4 – To increase efficiency of PSAP operations by eliminating redundant data sets requiring maintenance and synchronization.

Goal 5 – To improve public safety by minimizing the possibility of data errors leading to response delays.

Goal 6 – To improve public safety by permitting the sharing of data to Amelia County Government and with other jurisdictions / agencies in a near real time environment as operational conditions demand.

Goal 7 – To reduce workload on PSAP and GIS staff (enabling them to focus on core functions) by permitting stakeholders to maintain their own datasets as required.

Goal 8 – To improve public safety by increasing the pool of County staff conversant with GIS data and technology.

## **Section 2.2 – Implementation Strategy / Work Plan**

It is the intention of the Amelia County Sheriff's Office to implement the GIS over the 24-month period of the grant. The first year will primarily be utilized to get the base GIS system in place. Year two will be utilized to complete data manipulation and complete installation of the web-based address verification tool.

The first quarter of the grant period (year 1) will primarily be a logistical time frame. Materials and software will be scheduled, paperwork shall be completed, contracts signed, etc. During this time, all data manipulation of crucial address data layers will begin.

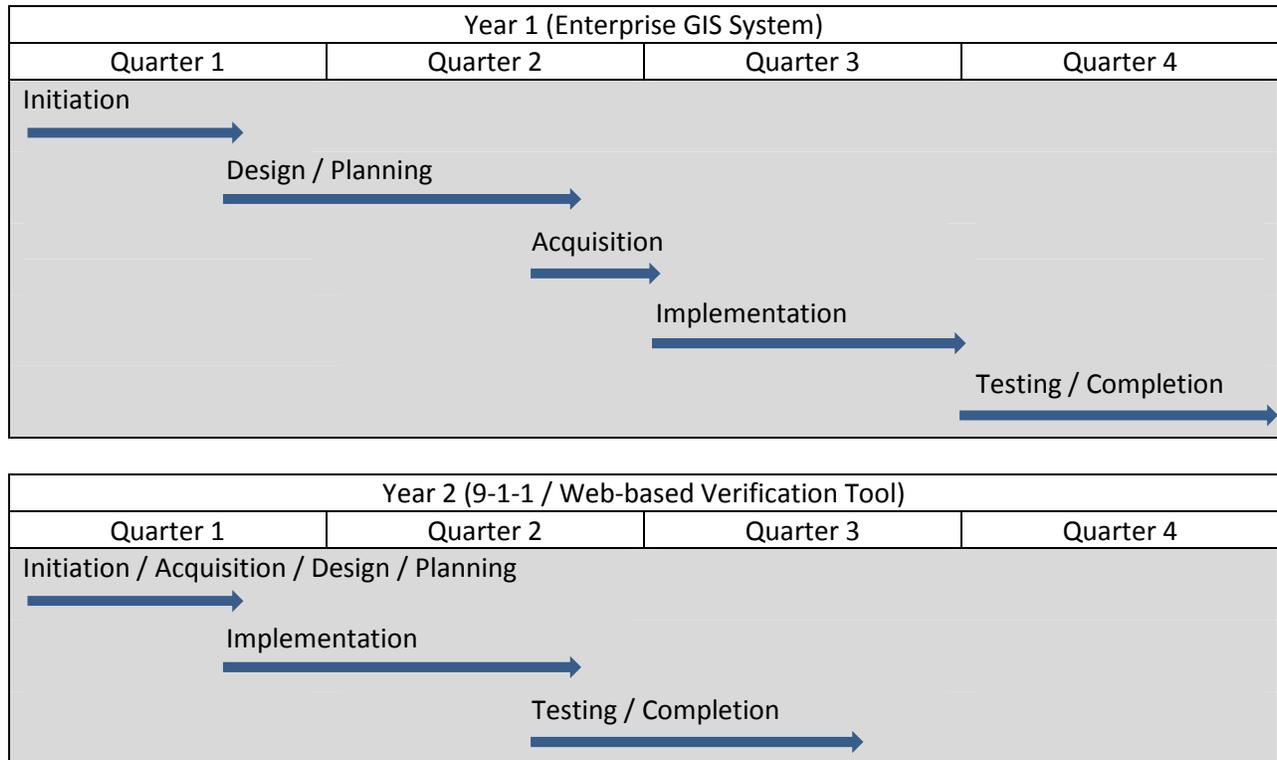
The second quarter (year 1) will involve all activities to plan and design the system. This will happen between the primary stakeholder(s) and Timmons Group of Richmond, Virginia. Acquisition will occur at the end of the second quarter.

The third and fourth quarters (year 1) will be the time when the purchased system/equipment is installed and physically tested. Any training necessary for communications or other public safety personnel will be scheduled and conducted during the later phases of the year one process.

The first quarter of year 2 shall be utilized for any remaining acquisition, planning, design work, etc. needed to implement the web-based address verification tool. Quarters two and three (year 2) shall be utilized to install, implement and test the web-based address verification tool.

### Section 2.3 – Activities Timeline

Following confirmation of grant approval, the following activities shall take place beginning July 1, 2012:



### Section 3 – Project Sustainability

It is the intention of the Amelia County Sheriff’s Office to purchase both the specified GIS system as soon as confirmation of the grant approval is received and the grant period begins. Once the purchases have been made, training shall be scheduled with the vendor and personnel shall become familiar with the new system. Following the training process, the GIS and field mapping programs shall be implemented.

Both programs will be sustainable internally indefinitely through several methods:

- Amelia County currently maintains an annual maintenance contract with GeoComm, Inc. This contract includes services such as address point maintenance, road center line additions, layer creation, etc. This service will be continued in the interim, and funded through the 9-1-1 Department Annual Budget, so that there are no life-threatening delays regarding the GIS information available to all dispatch and public safety personnel. As the 24-month grant period comes to a close, the county IT Committee will be established and a County GIS Coordinator will take over this task.
- Using the web interface, 9-1-1 administrative personnel in conjunction with emergency management personnel can visually verify each and every new address and/or roadway that is added to the system. This will be done using the existing MDTs in place in Amelia County while field personnel are in voice communication with 9-1-1 administrative personnel.

- Amelia County is currently in the process of creating an IT Committee. This committee is going to form the basis for the County IT Department. Any maintenance needing completed “in-house” will be accomplished by this committee until such time as an individual is hired and dedicated to just such duties.
- The IT Committee will investigate the exact budget implications of, and initiate the process to create a County GIS Coordinator position. This individual will be responsible for maintaining data as new addresses and/or roadways are added, and will work in conjunction with 9-1-1 administrative and emergency management personnel to verify these addresses.
- The annual and/or extended maintenance/warranty fees will be included in all future budgets. Additional fees and any potential ESRI course/training registration fees shall also be included in these budgets as well.

## Section 4 – Statewide E-911 Comprehensive Plan

The Virginia Statewide E-9-1-1 Comprehensive Plan outlines several goals for providing 9-1-1 services to the citizens of the Commonwealth today and beyond. The implementation of an upgraded 9-1-1 mapping/GIS, with the inclusion of newly created address/building polygons, will support the following Commonwealth goals in Amelia County:

- **Goal A: Provide a standard level of emergency response service to the public**  
The use of a state of the art GIS is essential to the provision of emergency services in the Commonwealth. Utilizing state of the art GIS, current maps and orthography, addition of new address points, etc. are all small pieces of a public safety GIS “pie.” The general public may not specifically know what each piece of the pie actually do or accomplish, but the public does deserve the highest level of service possible. This will be made possible through the upgrades described herein.
- **Goal B: Position 9-1-1 centers to continuously meet the public’s expectations**  
The public is expecting more and more from local government, and 9-1-1 service is no exception. By providing an Enterprise 9-1-1 mapping/GIS system, with verified addressing information, the public is receiving a higher standard of service which will meet or exceed their increasingly high expectations.

## Section 5 – Budget Narrative

The Amelia County PSAP is solely funded by the county budget. Amelia County is a small, rural county with an approximate population of 13,500. This small population gives Amelia County a very small tax base to work with each year. Current funding levels for all county departments, due to the poor economy, are at a bare minimum. All county budgets have been cut by up to 30% during the last budget cycle. This includes all branches of emergency services, including the Sheriff’s Office, volunteer fire department, rescue squad and Communication Center.

Without Wireless 9-1-1 Board grant assistance, Amelia County will not be able to upgrade the 9-1-1 mapping/GIS. At this point in time, we have investigated available grant monies from State and Federal sources and this grant program is our only method of implementing said programs. Given the current system in place in the PSAP, it is but a matter of time before someone needs the information, and does not receive it. This could place the county in a very precarious legal predicament. Not receiving this information could have very dire consequences.

This grant request is broken down into the following categories and amounts (quotes are included at the end of this document):

- ESRI Components:
  - This includes GIS software, licensing costs, etc.
  - ESRI Components Total – \$26,178
- Timmons Group:
  - This includes the following:
    - Installation and setup of ESRI and web interface components (Quote #2)
    - Purchase, installation and configuration of web-based addressing tool (Quote #3)
    - Data manipulation, quality system assurance, etc. (Quote #4)
  - Timmons Group Total – \$ 54,845
- Dell, Inc.:
  - This includes purchase of a server to store and operate the GIS system.
  - Dell Total – \$5,755
- **Grant Request Grand Total – \$ 86,778**

## Section 6 – Evaluation

This project shall be evaluated using three separate methods:

- **Method 1** – Customer Satisfaction Survey  
Near the end of the second year of the grant period, a Customer Satisfaction Survey will be sent to all branches of public safety in Amelia County to determine their satisfaction with the new system and/or services available.
- **Method 2** – Criteria Measurement  
During the initial planning stages, specific criteria for the expected performance of the system shall be established. Near the end of the second year of the grant period, the system shall be evaluated against these system measures established during the planning stages.
- **Method 3** – Virginia Statewide Comprehensive 9-1-1 Plan  
Near the end of year two of the grant period, the system shall be measured against any future version of the Commonwealth’s 9-1-1 Plan. This will ensure that the system is being utilized in a manner that supports the Commonwealth’s vision for public safety.

Section 7 - Quote #1 - ESRI Components



ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.  
 380 NEW YORK ST  
 REDLANDS, CA 92373-8100  
 Phone: (800) 447-9778 Fax: (909) 307-3049  
 DUNS Number: 06-313-4175 CAGE Code: 04MS3

To expedite your order, please attach a copy of this quotation to your purchase order.  
 Quote is valid from: 12/21/2010 To: 03/21/2011

Quotation # 20378611

Date: December 21, 2010

Customer # 222416 Contract # 2009MPA2054

COUNTY OF AMELIA  
 SHERIFF DEPT  
 16441 COURT ST  
 AMELIA COURT HOUSE, VA 23002

ATTENTION: R. Jason Malloy  
 PHONE: (804) 661-2146  
 FAX: (804) 661-2259

Material	Qty	Description	Unit Price	Total
109065	1	ArcGIS Server Standard Enterprise for Windows Up to Four Core License	18,000.00	18,000.00
97819	1	ArcView Single Use from 3.x Primary Maintenance Activation Fee	618.00	618.00
88925	1	ArcInfo Concurrent Use Upgrade from ArcView Single Use	7,560.00	7,560.00
122780	1	ArcGIS Desktop 10.0 with ArcGIS Mobile, ArcInfo Workstation, and Esri Data and Maps Backup Media	0.00	0.00
120992	1	ArcGIS Server Enterprise 10.0 for Windows (Includes ArcSDE for Windows and ArcSDE for UNIX) Backup Media	0.00	0.00
			Item Total:	26,178.00
			Subtotal:	26,178.00
			Sales Tax:	0.00
			Estimated Shipping & Handling(2 Day Delivery) :	0.00
			Contract Pricing Adjust:	0.00
			<b>Total:</b>	<b>\$26,178.00</b>

The prices quoted herein are reflective of the State of Virginia's MPA contract #VA-090403-ESRI and are inclusive of shipping. Quoted products can be purchased through the State's eVA procurement system or by using a Purchase Order. To place an order using a purchase order, please sign and return the quote along with the purchase order. On the face of the purchase order, please print the following statement: "Subject to Master Purchase Agreement No. 2009MPA2054/MTA Contract No. VA-090403-ESRI."

ArcGIS 10 software is provided via electronic software download. Physical backup media is available on request. Once your order is processed, you will receive an email with your software authorization number(s) along with instructions on how to download the software and complimentary data & maps from <http://customers.esri.com>.

\*Please indicate on your purchase order if this purchase is funded through the American Recovery and Reinvestment Act, and whether Esri is a Prime Recipient, Sub-recipient, or Vendor for reporting purposes.

For questions contact: Joseph Genther Email: [jgenther@esri.com](mailto:jgenther@esri.com) Phone: (800) 447-9778 x2514

Acceptance of this quotation is limited to the Esri License Agreement and the Quotation Terms and Conditions. This Quotation is made in confidence for your review. It may not be discussed to third parties, except as required by law.

If sending recommendations, please address to: Esri, File No. 54838, Los Angeles, CA 90074-4838

GENTHERJ This offer is limited to the terms and conditions incorporated and attached herein.

**Section 8 - Quote #2 - Timmons Group (Installation Work)**



**Price Quote**

**Date:** December 22, 2010

**To:** Jason Malloy  
Amelia County Sheriffs Office  
18441 Court Street  
P.O. Box 463  
Amelia Court House, VA 23002

**From:** Sarah Dennis  
Timmons Group  
117 S. 14<sup>th</sup> Street, Suite 303  
Richmond, VA 23219

**Descriptions** Information Technology Support/Software Quotation

**Quote for IT Support:**

Timmons Group will work with the County on-site or through VPN where appropriate to support Amelia County:

Support Tasks
Installation and setup of new server hardware
Installation of ArcGIS Server
Installation of SQL Server
Installation of virtualization software

The estimate for the above tasks, based on an estimated 40 business hours, is **\$5,200**.

**Quote for Software:**

Timmons Group will procure virtualization software to install on-site at the County for **\$5,995**.

**Duration Of Quote:**

This quote is valid for 1 year following the date of quotation.

**Fee Adjustments:**

Any work performed outside of the original 40 hours quoted will be performed on a time and materials basis in addition to the original quoted amount.

### Section 9 - Quote #3 - Timmons Group (Web-based Addressing Tool)



<h2>Price Quote</h2>
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**Date:** December 22, 2010

**To:** Jason Malloy  
Amelia County Sheriffs Office  
16441 Court Street  
P.O. Box 463  
Amelia Court House, VA 23002

**From:** Sarah Dennis  
Timmons Group  
117 S. 14<sup>th</sup> Street, Suite 303  
Richmond, VA 23219

**Descriptions**      **Website Quotation**

**Quote for Website:**

Timmons Group will work with the County to create a 9-1-1 Address/MSAG Web Verification Tool:

Addressing Site Functionality
Display Structure Points and Addresses
Display ESN Zones
Display Centerlines and Ranges
Display VBMP Imagery for Location

The estimate for website development and deployment at Amelia County on the County's server is **\$15,000.**

**Duration Of Quote:**

This quote is valid for 1 year following the date of quotation.

**Fee Adjustment:**

Any work performed outside of the original quotation will be performed on a time and materials basis in addition to the original quoted amount.

### Section 10 – Quote #4 – Data Manipulation (Timmons Group)



<h2>Price Quote</h2>
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**Date:** December 22, 2010

**To:** Jason Malloy  
Amelia County Sheriffs Office  
16441 Court Street  
P.O. Box 463  
Amelia Court House, VA 23002

**From:** Sarah Dennis  
Timmons Group  
117 S. 14<sup>th</sup> Street, Suite 303  
Richmond, VA 23219

**Description:** Data Development Quotation

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**Quote for Parcel Mapping Conversion:**

Timmons Group will perform the following tasks as part of a Mapping Conversion project for the County of Amelia.

Fixed Fee Project Tasks
Data Model Development
Digital Conversion from Paper Maps
Quality Assurance and Control
Metadata Development

The estimate for the above tasks is **\$43,650.**

**Duration Of Quote:**

This quote is valid for 1 year following the date of quotation.

**Fee Adjustment:**

Any work performed outside of the above tasks, or exceeding the original conversion estimate, will not fall under the original quote amount and will be performed under time and materials.

Section 11 – Quote #5 – Dell Server

<b>DELL</b>		<b>QUOTATION</b>	
		QUOTE #: 568723845	
		Customer #: 79421753	
		Quote Date: 12/21/10	
Date: 12/21/10 3:46:19 PM		Customer Name: TIMMONS	
<b>TOTAL QUOTE AMOUNT:</b>		<b>\$12,084.94</b>	
Product Subtotal:		\$11,439.44	
Tax:		\$575.50	
Shipping & Handling:		\$70.00	
Shipping Method:		Ground	Total Number of System Groups: 1
<b>GROUP: 1</b>	<b>QUANTITY: 2</b>	<b>SYSTEM PRICE: \$5,719.72</b>	<b>GROUP TOTAL: \$11,439.44</b>
Base Unit:	PE R510 Chassis for Up to Eight Hot Swap Hard Drives, LCD (224-8665)		
Processor:	PowerEdge R510 Shipping (330-5482)		
Memory:	24GB Memory (6x4GB), 1333MHz Dual Ranked RDIMMs for 2 Processors, Optimized (317-7299)		
Video Card:	Intel Xeon E5620 2.4Ghz, 12M Cache, Turbo, HT, 1066MHz Max Mem (317-4112)		
Video Memory:	PE R510 Heatsink For 2 Processors (317-2374)		
Video Memory:	Intel Xeon E5620 2.4Ghz, 12M Cache, Turbo, HT, 1066MHz Max Mem (317-4124)		
Hard Drive:	HD Multi-Select (341-4158)		
Hard Drive Controller:	PERC Battery Cable, R510 (330-5575)		
Hard Drive Controller:	PERC 7 Cable, 8HD (331-0881)		
Hard Drive Controller:	PERC H700 Integrated RAID Controller, 512MB Cache (342-0371)		
Operating System:	No Operating System (420-6326)		
Mouse:	Vizioncore vEssentials (vRangerPro, vFoglightPro vReplicator) 90-day evaluation (330-4185)		
Mouse:	1GB USB Drive, Internal Contains Embedded Hypervisor (341-6667)		
Mouse:	VMware ESXi v4.1 w/V4, 2CPU, Embedded, Trial, No Subscription, SD (421-3897)		
Mouse:	VMware ESXi v4.1, 2CPU, Trial, License, SD (421-3898)		
Mouse:	SARGE 7.2K RPM SATA 3.5" Hot Plug Hard Drive (341-8725) - Quantity 5		
Mouse:	136GB 10K RPM SA SCSI 8Cops 2.5in Hotplug Hard Drive in 3.5in HYB CARR (342-2019) - Quantity 2		
NIC:	Broadcom 5708 Dual Port 1GbE NIC w/TDE 10GbE, PCIe-4 (430-3260)		
Modem:	IDRACK Enterprise (313-8776)		

**Note 1** – This quote includes tax, however Amelia County has tax exempt status and therefore will not be charged the tax amount listed.

**Note 2** – This quote is for two servers, however at this time only one is being purchased.