

FY17

PSAP GRANT PROGRAM APPLICATION





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HOW TO APPLY/DEADLINE

The grant application is available and accessible from VITA ISP's website (<http://www.vita.virginia.gov/isp/default.aspx?id=8578>). Upon completion of the application, it is to be submitted to your Regional Coordinator. Any supporting documentation must also be submitted along with the application, including mandatory budgets for projects (if applicable).

After the close of the grant application cycle, a Grant ID and email receipt notification will be sent to the e-mail address listed on the application received.

All funding requests must be submitted using the grant application. Technical assistance is available from VITA's Public Safety Communications (PSC) staff throughout the grant process. The FY17 PSAP Grant Application Cycle starts July 1, 2015 and concludes on September 30, 2015 at 5:00 pm.

ALL APPLICABLE SECTIONS MUST BE COMPLETED IN ITS ENTIRETY OR THE APPLICATION WILL BE CONSIDERED INCOMPLETE AND NOT ACCEPTED FOR CONSIDERATION.



FY17 PSAP GRANT APPLICATION

PROJECT TITLE

GIS Data Production

GRANT APPLICANT PROFILE/PROJECT CONTACT

PSAP/HOST PSAP NAME: City of Franklin Police Department

CONTACT TITLE: Communications Manager

CONTACT FIRST NAME: Bruce

CONTACT LAST NAME: Edwards

ADDRESS 1: 1018 Pretlow St

ADDRESS 2: [Click here to enter text](#)

CITY: Franklin

ZIP CODE: 23851

CONTACT EMAIL: bedwards@franklinpolice.org

CONTACT PHONE NUMBER: 757-562-8696

CONTACT MOBILE NUMBER: 757-621-5295

CONTACT FAX NUMBER: 757-562-0877

REGIONAL COORDINATOR: Lyle Hornbaker

HOST PSAP AND PARTICIPATING PSAPS/LOCALITIES

_____	_____
_____	_____
_____	_____
_____	_____

GRANT TYPE

Individual PSAP

Shared Services



TIER

Out of Service

Non-Vendor Supported*

Technically Outdated*

Strengthen

Not Applicable

If technically outdated or non-vendor supported, application MUST include age and/or version of hardware/software.

VERSION:

YEARS of HARDWARE/SOFTWARE:

PRIORITY/PROJECT FOCUS NG 9-1-1 GIS EQUIPMENT & SERVICES

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

FINANCIAL DATA

Amount Requested: \$37,030.00

Total Project Cost: \$37,030.00

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, along with additional information on the impact on operational services; consequences of not receiving funding; inclusion of project in a long-term or a strategic plan; and local sustainability:

VGIN recently conducted an analysis of our current map data, providing us with a report detailing certain standard rule violations that needed to be corrected. The City of Franklin has no GIS Department. The PSAP relies on a contractor to complete any needed updates. The updates needed as a result of our analysis far exceed our annual budget amount. We have completed some of the items noted in the analysis. Failure to complete these updates could delay needed services arriving in a timely manner and will ultimately delay implementation of NG9-1-1 services. The balance of the project will enhance and complement our dataset, and put us on a plan to maintain the data for the next three years.



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

The quotation includes support to maintain the data for three (3) years. The PSAP will request funds annually to maintain after this term has expired.

COMPREHENSIVE PROJECT DESCRIPTION

Identify the longevity or sustainability of the project.

This project corrects years of mistakes in our geodatabase. In cooperation with the office of community development, checks and balances have been put in place to ensure fewer errors in the future. Quarterly updates by the contractor ensure changes, additions, or deletions are timely. We have worked out a data transfer method that distributes changes with little user intervention.



Describe how this project supports the Virginia Statewide Comprehensive 9-1-1 Plan.

Location based technology and equipment is paramount in implementation of NG9-1-1. Ensuring our data is up to date and meets these standards is essential to delivery of 9-1-1 services.

SHARED SERVICES (if applicable)

The relationship of the project to the participating PSAPs:
Although this is an individual project, we intend will integrate relevant emergency services feature classes, such as road centerlines, site addresses and building footprints from Southampton County into the City's E911 maps as separate layers. This is essential for our Fire and EMS units as they service parts of Southampton County.

Intended collaborative efforts:

We plan to share our produced data with Southampton County for use in their PSAP.



Resource sharing:

We plan to share our produced data with Southampton County for use in their PSAP.

How does the project impact the operational or strategic plans of the participating agencies:

N/A

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

N/A



**PROJECT TIMELINE FOR
SHARED SERVICES & INDIVIDUAL PSAP APPLICATIONS:**

For each applicable phase of the project, indicate the estimated completion date. Sample activities for each phase are included.

PROJECT PHASE	ESTIMATED COMPLETION DATE
<input checked="" type="checkbox"/> INITIATION (Project approved by appropriate stakeholders) Sample activities: 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, and budgetary estimates are obtained	07-01-2016
<input checked="" type="checkbox"/> DESIGN/PLANNING (Project, system, or solution requirements are developed) Sample activities: requirements are documented, components to be purchased are identified, and general design is documented	07-15-2016
<input checked="" type="checkbox"/> ACQUISITION (Selected system or solution is procured) Sample activities: RFP (or other bid related processes) are drafted, proposals are evaluated, contract is signed, purchase orders are issued, and quotes are obtained	08-01-2016
<input checked="" type="checkbox"/> IMPLEMENTATION (Selected system or solution is configured and installed) Sample activities: purchased components are delivered and installed and training is performed	09-01-2016
<input checked="" type="checkbox"/> TESTING/COMPLETION (Selected system or solution is tested and put in production) Sample activities: performance of system/solution is validated and system/solution goes "live"	01-15-2017



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. However, budgetary quotes received from a particular vendor(s) during the application process do not commit the PSAP to use that vendor(s) once the grant is awarded.**) Briefly explain the reason for each requested budget item and provide the basis for its cost. In addition, if contingency cost has been added, please identify the amount.

Itemized detailed vendor prepared quote attached

EVALUATION

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

Staff will implement monthly reporting system. Integration of a more user friendly access will promote increased usage. Addition of portable system will allow testing of remote capabilities in the future.



CONSOLIDATION (Primary or Secondary) - (complete only if applicable)

How would a consolidation take place and provide improved service:

N/A

How should it be organized and staffed:

N/A

What services should it perform:

N/A



How should policies be made and changed:

N/A

How should it be funded:

N/A

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

N/A

September 23, 2015

R. Bruce Edwards
Communications – PSAP Manager
1018 Pretlow Street
Franklin, Virginia 23851

Dear Bruce,

WorldView Solutions is pleased to present City of Franklin Emergency Services Communications a proposal for Public Safety related GIS professional data development and maintenance services. The attached proposal outlines services to be performed, as well as schedule and cost information. Please contact me or Renee if you have any questions or would like to discuss next steps.

Warm regards,

A handwritten signature in black ink, appearing to read 'Ian Birnie', is positioned above the typed name.

Ian Birnie, Director of Business Development

(804) 767-1885

Ian.Birnie@WorldViewSolutions.com

Introduction

This document provides an overview and firm fix fee quote for GIS data related services proposed to be performed for City of Franklin Public Safety Communication.

Services Overview

This section describes the services proposed to be performed for the City.

Roadway Data Verification & Augmentation

WorldView will perform visual verification of City-wide speed limits and one way streets, as well as gather information on turn restrictions and other impedances, including railroad crossings, gates and traffic lights.

Roadway Geometric Network

WorldView will perform geometric network checks on the City's roadway data, and assure that it is fully capable of supporting route analysis tasks.

Fire-Rescue Service Area Analysis

WorldView will leverage verified and augmented roadway data to conduct service area and drive time analysis for City fire and rescue stations.

Driveways & Parking Lots

WorldView will map centerlines of driveways, including main thoroughfares through large residential and commercial parking lots.

Structure Data Augmentation

WorldView will correct structure geometry and add attributes classifying outbuildings based on aerial photography.

Structure Photography

WorldView will photograph addressable structures, or use existing structure photographs (if they have sufficient metadata) and link them to city site address GIS features, making the photos accessible via mapping interfaces that support hyperlinking or attachments.

Critical Facilities

WorldView will work with City representatives to identify critical facilities, such as schools, hospitals, group homes, emergency shelters, etc., and populate key information relevant to emergency services and hazard mitigation planning.

Hazardous Material Storage Sites

Working with existing available source materials, WorldView will create a feature class for hazardous material storage sites. Electronic copies of floorplans and material handling sheets will then be linked to the appropriate sites. This quote assumes that source materials exist for each site in electronic format, such as Adobe Acrobat or JPEG.

County Data Integration

WorldView will integrate relevant emergency services feature classes, such as road centerlines, site addresses and building footprints from Southampton County into the City's E911 maps as separate layers.

Annual Quarterly Data Maintenance

At a quarterly interval, WorldView will provide database updates to public safety feature classes, including roadways, building footprints, site addresses, driveways and parking lots, critical facilities and hazardous materials storage sites. Additionally, WorldView will obtain and refresh the geodatabase with relevant datasets from Southampton County.

Schedule

WorldView Solutions proposes to complete all tasks within six (6) months of notice to proceed.

Cost Proposal

The following firm fixed price proposal is inclusive of all time and materials required to complete the tasks described in this document, and itemized to allow the City to choose the services with which the City wishes to engage WorldView.

Task	Total
Roadway Verification	\$5,382.00
Geometric Network	\$3,275.20
Service Area Analysis*	\$2,438.00
Other Structures	\$2,870.40
Driveways	\$2,272.40
Structure Photo Linking	
Option 1 - Integrate Existing	\$2,265.50
Option 2 - Acquire New	\$8,372.00
Critical Facilities	\$956.80
HAZMAT Sites	\$1,435.20
County Data Integration	\$1,426.00
Data Maintenance - 3Yrs	\$8,602.00
Total w/ Photo Option 1	\$30,923.50
Total w/ Photo Option 2	\$37,030.00

* This task requires completion of the two tasks preceding it. All others can be chosen a la carte.

Data Package Deliverable to Locality

Locality: Franklin City

Date Received: 6/17/2015

Road Centerlines: 580 segments

Checked Addresses: 4117 points

Data ReViewer Checks

Check	Data Rule	Violations
Attributes		
1	Road Centerline ID Must Be Unique And Persistent	-
2	Road Centerline Must Not Have Duplicate Address Ranges For Attributes <> 0	0
3	Road Centerline Numerical Address Ranges Must Not Begin Or End With 0	0
4	Road Centerline Must Not Have From Left Value Greater Than To Left Value	0
5	Road Centerline Must Not Have From Right Value Greater Than To Right Value	1
6	Road Centerline Must Not Have Left Side Overlapping Address Range	0
7	Road Centerline Must Not Have Right Side Overlapping Address Range	1
8	Road Centerline Must Not Have Odd/Even Right Side Address Parity	3
9	Road Centerline Must Not Have Odd/Even Left Side Address Parity	5
Geometry		
10	Road Centerline Must Not Have Invalid Geometry	0
11	Road Centerline Must Not Have Multipart Features	0
12	Road Centerline Must Not Have Duplicate Geometry	0
13	Road Centerline Must Be Segmented And Snapped At Road Intersections	15
14	Road Centerline Must Not Have Dangles Within 30 Feet of Another Centerline	28
15	Road Centerline Must Connect To Other Centerlines In Road Network	6

Geoprocessing Checks

Feature Class	Data Rule	Violations
Point	Site Address Point Must Geocode to Road Centerline Street Name and Address Range	50
Point	Site Address Point Must Match Street Side Based on Left and Right Address Ranges	113
Line	Arc Directionality Will Travel From Low to High Based on Address Ranges and Address Points	6

Locality: Franklin City

RCL Date Received: 6/17/2015

Address Point Date Received: 6/17/2015

ALI Table Count: 5539 records

Provider Data to Provider Data

Check	Count	% Total
ALI Unmatched to MSAG	0	0%
ALI Matched to MSAG, out of High/Low Range	0	0%

Provider ALI Geocoded to Locality GIS data

Check	Count	% Total
ALI Geocoded to Address Points	5280	95.3%
ALI Geocoded to RCL	5344	96.4%
ALI unmatched to Address Points, Geocoded to RCL	98	1.7%

Provider ALI unmatched to ArcGIS locators

Check	Count	% Total
ALI Unmatched to Address Points	259	4.6%
ALI Unmatched to RCL	195	3.5%
ALI Unmatched total	161	2.9%

Source GIS data in ArcGIS locators mismatched to Provider ALI

Check	Count	% Total
ALI Geocoded to Address Points, results altered and not equal to ALI	24	.45%
ALI Geocoded to RCL, results altered and not equal to ALI	765	14.3%

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