

PSAP Grant Program Grant Ranker

View Application--161--Oblique Imagery

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:** Individual PSAP

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: Scott County
Jurisdictions Served: Clinchport, Town of
Duffield, Town of
Dungannon, Town of
Gate City, Town of
Nickelsville, Town of
Scott, County of
Weber City, Town of

Project Director:

Tim Addington
9-1-1 Director
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Project Description:

Total Project Cost \$71,875.00
Amount Requested: \$71,875.00

Statement of Need:

Scott County is a progressive 9-1-1 center that is bordered by 7 counties, three of which are along the Tennessee State line. Continued growth and change is occurring within the county. We currently have photos of all addressable structures in the county that have proved beneficial to the PSAP in getting responders to the correct address faster. The photos are 5 years old and many changes have occurred. With oblique imagery the structures may be photographed from the air at angles that will provide updated data and photos not available by the digital-ortho photography. The county does not have the financial ability to conduct this project on its own or to obtain new photos of the structures. Project is a way to obtain updated data which has been the long term goal of the county since obtaining the original photos. The county will be evaluating this option and others to determine the most cost effective way to maintain structure photos in its dataset.

Comprehensive Project Description:

The goal of this project is to obtain oblique imagery to augment our current GIS datasets. To obtain additional photography to assist in locating non-addressed structures and coordinate with various county offices and agencies to determine processes to minimize unaddressed structures in the future. This technology helps 911 call takers, and all first responders get to a scene quicker and better prepared. Public safety and law enforcement agencies have a critical need for quick access to data. Providing intelligent

oblique images and image tools to the district's first responders and others involved in providing security will substantially improve: • Emergency response times • Intelligence analysis • Operational planning • Tactical planning • Situation awareness • Co-response initiatives • Mutual-aid coordination • Officer safety
Within 30 days of FY10 begin procurement process
Within 120 days of FY10 select vendor and initiate contracts
Within 270 days of FY10 photography to be completed
Within 350 days of FY10 delivery and closeout of project
Project to be sustained with various backups and evaluation.

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

The oblique imagery is a future technology that is being utilized by progressive public safety organizations when available.

Budget and Budget Narrative:

See Attached

Evaluation:

An evaluation of the deliverables will be conducted to determine unaddressed structures. Comparisons of oblique imagery will be utilized to determine the need for street level photo upgrades. Coordination with emergency responders will be utilized to determine to evaluate usefulness of oblique imagery 180 days following deliverables.

Attachments

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| Copy of Scott County Proposal 10-30-08.xls |
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Contract Proposal Amount
\$66,875



IMAGE LEVEL:

NEIGHBORHOOD

COMMUNITY

| | PREMIER | | | PREMIER - 2 Way | | |
|---------------------------|-------------|----------------|-----------|-----------------|----------------|-----------|
| | Nominal GSD | Images/Sq Mile | Direction | Nominal GSD | Images/Sq Mile | Direction |
| Individual Oblique Images | 6" | 52 | 4-Way | 12" | 8 | 2-Way |
| Individual Ortho Images | 6" | 36 | NADIR | 12" | 8 | NADIR |
| Ortho Mosaic Tiles | 6" | 4 | NADIR | 12" | 1 | NADIR |
| Standard Area Wide Mosaic | 6" | N/A | NADIR | 12" | N/A | NADIR |
| Mosaic Sector Tile | 1M | 1 | NADIR | 1M | 1 | NADIR |

| Cost/Sector: | Sectors | Total Cost | Cost/Sector: | Sectors | Total Cost |
|--------------|---------|------------|--------------|---------|------------|
| \$350 | 99 | \$34,650 | \$45 | 582 | \$26,190 |

| | | |
|--------------------------|----------------|----------------|
| Number of Images/Sector: | → 92 Images | → 17 Images |
| Total Number Images: | → 9,108 Images | → 9,894 Images |
| HD Requirement | → 119 GB | → 146 GB |

| Storage Requirement (GB) |
|--------------------------|
| 264 |

| Total Number of Images |
|------------------------|
| 19,002 |

| | | | | | | |
|--------------|------------------------------------|---------------|---------|----------|---------------------------------------|---------|
| 145GB | Hard Drive(s) | Qty: 1 | \$180 | Y | ArcIMS Deployment | \$595 |
| 0 | Pictometry FutureView Adv Training | | \$0 | Y | Compressed Image Depl | \$2,500 |
| 2 | Pictometry Online Seats | | \$2,760 | | LiDAR 1.0M Bare Earth Mi ² | \$0 |
| | Pictometry Self Hosting | | \$0 | N | Mobile Training Lab | \$0 |
| | *Annual Maintenance Fee | | \$0 | | Estimated Shipping | \$0 |

*Annual Maintenance Fee amount not included in proposal

