



Regional Performance Incentive Program

Pursuant to Public Act 07-239, Section 8

Proposal for Joint Provision of Service(s) to be filed with the Secretary of the Office of Policy and Management no later than December 1, 2007.

Submit to: Office of Policy and Management, 450 Capitol Ave. MS #54 SLP,
Hartford, CT 06108-1379, Att: RPI Program

GIS Flight and Mapping Data: Spring 2008 Color Digital Orthophotography

Regional Planning Organization(RPO)(s):	
Name	Capitol Region Council of Governments
Address	241 Main Street, 4 th Floor
City/State/Zip	Hartford, CT 06106
RPO Contact Person(s):	
Name	Lyle D. Wray
Title	Executive Director
Telephone	860.522.2217
Fax	860.724.1274
E-mail	lwray@crcog.org
Amount of Regional Performance Incentive Funding Requested: \$350,000	
Short Descriptive Title of Project: GIS Flight and Mapping Data: Spring 2008 Color Digital Orthophotography	
REQUIRED PROPOSAL ELEMENTS Items (1) through (10) :	
(1) Proposed Shared Service(s): Describe at least one service currently provided by a municipality or municipalities within the region, but not currently provided on a regional basis, for which this proposal is being submitted (attach additional pages as necessary):	
<p>The goal of this proposal is to obtain funding to acquire 100 scale color digital orthophotography for the 29 Capitol Region municipalities. This type of digital photography functions as the base for most other types of mapping. A common base for the entire region would facilitate data sharing and improved accuracy for GIS and mapping applications.</p> <p>Currently municipalities desiring this product contract individually (and do so on a regular basis) at a much greater cost. The savings due to economies of scale for aerial photography are substantial. Planimetric mapping based on this common base would also benefit from a regional approach.</p>	

(2) Describe how such service will be delivered on a regional basis, the entity that would be responsible for the service and how the population would continue to be served (attach additional pages as necessary):

We envision the aerial (orthophotography) flight being delivered to the CRCOG member towns in two ways. First using the CRCOG GIS website, we would load this data set and publish it with their other layers of information. As this is an active website and requires no access password the entire membership would have access to it. Second, we would copy the necessary files for each town on a portable hard drive and deliver them to the town. Some of the member towns have GIS staff and for those that do not we would provide the expertise to install and provide basic training in using the orthophotography. The entity that would be responsible for managing the project and delivering the data and training once completed would be CRCOG. We have formed a committee from within CRCOG that would assist the CRCOG staff on this project.

There are several methods to continue this service. One is that we will work with the CT GIS Council to expand the service to encompass the entire state as everyone uses this data. Second, we will follow other CRCOG programs and collect the cost through user fees. We envision re-flying the region every three years. By collecting the fees every year it will distribute the costs so that each municipality can participate. We also intend to work with our regional utilities (MDC) to cost share as most utilities in the region contract for this service as well.

(3) Describe the amount and manner in which the service will achieve economies of scale, and the amount and manner in which each municipality will reduce its mill rate as a result of the savings realized by regionalizing the service (attach additional pages as necessary):

The savings realized would be approximately 80%. The reason for this is that one set of ground control, flight planning and coordination would be required as opposed to 29 separate sets of ground control, flight planning and coordination. Additional economies of scale are realized by one batch processing of the data for the entire region instead of 29 individual municipalities. The bargaining leverage of a very large aerial project vs. a single town would also be substantial. Details and savings per participating municipality are shown in Figure 1 (attached).

(4) Provide a cost benefit analysis for the provision of such regional service by each participating municipality and by the RPO (attach additional pages as necessary):

The total cost for an orthophoto flight done as a region is \$342,022. If each town flew only their square miles individually it would total \$1,705,338 for the region. This translates into total savings for all of the participating municipalities at \$1,363,316 if the flight is done on a regional basis. Please see Figure 1 for details.

(5) Set out a plan of implementation for such regional service, include an approximate date for the beginning of the regional service and how the service will continue to be funded once service is established and grant funds are expended (attach additional pages as necessary):

- RFP, Contracting – mid to late Winter 2008
- Flight occurs before leafout – early Spring 2008
- Processing to produce Digital Orthophotography 2-3 months – delivery early to mid Summer 2008
- Delivery/Training/Installation for Municipalities – mid Summer 2008 to Fall 2008

Service will continue to be funded through participation of the municipalities on a 3-5 year repeat schedule.

(6) List the municipalities participating in the proposed shared service and estimate the savings to be realized by each municipality participating in the regionalized service.

Municipality	Savings
Andover	\$38,162
Avon	\$57,488
Bolton	\$37,917
Canton	\$61,157
East Granby	\$42,565
East Windsor	\$65,561
Ellington	\$85,131
Enfield	\$82,685
Farmington	\$70,208
Glastonbury	\$128,430
Granby	\$101,032
Hartford	\$45,012
Hebron	\$91,736
Manchester	\$66,539
Somers	\$70,208
South Windsor	\$69,719
Suffield	\$105,435
Tolland	\$98,830
Vernon	\$45,501
Wethersfield	\$31,802
Per cent of municipalities, in the RPO, participating in the proposed regional service(s): <u>69%</u>	

(7) Attach hereto the following documents from participating municipalities:	
(A) A resolution by the legislative body of each municipality affected by the proposal endorsing such proposal.	
(B) Certification by each municipality that there are no legal obstacles to provision of services in the manner described in the proposal including, but not limited to binding arbitration.	
(8) Attach the following material:	
1. A site location map (if applicable)	
2. Proposed Project Schedule (Outline the Proposed Project timeline)	
3. Project cost estimates supporting the request for funding	
4. List of necessary local/state/federal permits and approvals required for the project.	
(9) Has a copy of the proposal been sent to legislators representing the participating municipalities? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> **To be mailed the week of Dec. 3, 2007.	
If YES, please attach copies of cover letters.	
(10) Certification by the Chairman of the Regional Planning Organization(s):	
I do hereby certify that the information contained herein is true and accurate to the best of my knowledge.	
Signature:	
Name: David Kilbon	
Title: Chairman, CRCOG; First Selectman, Town of East Granby	
Date:	
(Please use following certification if more than one RPO is participating.)	
(10) Certification by the Chairman of the Regional Planning Organization(s):	
I do hereby certify that the information contained herein is true and accurate to the best of my knowledge.	
Signature:	
Name:	
Title:	
Date:	