

24361

DATE: January 19, 2012

TO: Board of Acquisition and Contract

FROM: Marguerite Beirne, Chief Information Officer

RE: AUTHORIZATION TO ENTER INTO AN AGREEMENT (IT-1226) WITH THE NYS DIVISION OF HOMELAND SECURITY AND EMERGENCY SERVICES, OFFICE OF CYBER SECURITY FOR THE ACQUISITION OF ORTHOPHOTOS FROM SPRING 2012 AERIAL PHOTOGRAPHY FOR AN EIGHTEEN-MONTH PERIOD COMMENCING FEBRUARY 15, 2012 AND TERMINATING AUGUST 14, 2013 FOR A TOTAL NOT TO EXCEED AMOUNT OF \$105,000

---

BACKGROUND:

- The County of Westchester has a strong record of documenting its physical landscape, history and changing land use patterns, through the regular acquisition of aerial photography. This important program, which originated in the Planning Department and resulted in black and white prints, stretches back to early aviation, with the first flights in 1925 and 1926.
- In spring 2000, Westchester County's Department of Information Technology (DoIT) undertook an important transition of this ongoing effort, independently contracting with Analytical Surveys Inc. (IT-236), for development of the first digital photogrammetric high-accuracy 'base map' of the County. This project produced the County's first digital aerial imagery, half-foot-resolution orthophotos, a digital elevation model and five-foot contours, and hundreds of thousands of mapped features county-wide, including building footprints, street centerlines, hydrology (streams, rivers, and lakes), edge of pavement, bridges, towers, etc. The data was successfully integrated into County Geographic Information Systems (GIS) programs, and distributed and shared with each municipality in the county to support local GIS and mapping programs.
- In spring 2004, Westchester County partnered with the New York State Digital Orthoimagery Program (NYSDOP) administered through the NYS Office for Cyber Security and Critical Infrastructure Coordination (CSCIC) on the acquisition of new aerial imagery. At the time, this partnership resulted in savings to the County of an estimated \$150,000 to \$200,000. DoIT negotiated a lower flight altitude, resulting in even higher-resolution imagery to support the mapping of countywide features such as building footprints, water features, edge of pavement, street centerlines, parking lots, dams, stone walls, and selected streetscape features such as fire catch basins and manhole covers. Data from this highly successful and visible project was delivered and integrated in all County and local government mapping applications supporting programs in the area of public safety, planning, emergency response, facilities management, public works and engineering, and land records.
- In Spring 2008, Westchester County partnered again with the New York State Digital Orthoimagery Program (NYSDOP) for the acquisition of aerial imagery captured Spring 2007 for a not-to-exceed amount of \$147,673.00. This amount represented the entire cost of the 2007 update to the County. Similar to the 2004 aerial project, purchasing the aerial photography

through the State program was the most cost effective option for the County to pursue as opposed to acquiring the aerial photography through its own program.

- In addition to the significant public benefits of cost savings resulting through the partnership between the County and CSCIC, the proposed acquisition of Spring 2012 photography will contribute significantly to the public purpose throughout all levels of County and local government (and, via internet, world-wide). Aerial photography is central to, and used on a daily basis by all emergency operations and response programs. It is also used extensively for infrastructure, health, real estate and land use management programs in County departments and all 45 municipalities. The 2012 photography is intended to support the Westchester 2025 project as well.
- As was demonstrated in the first three countywide digital aerial photography acquisition efforts, and as will continue to be the case in the contract requested on the attached resolution, these objectives are in the best interest of the County due to the County's financial commitment and leadership in distributing the aerial photography which will provide significant cost savings to local governments, community groups, and service organizations.
- Therefore, we now come before your Honorable Board requesting authorization to enter into an agreement with the NYS Division of Homeland Security and Emergency Services, Office of Cyber Security for the acquisition of half-foot orthophotos from Spring 2012 aerial photography for an eighteen month period commencing February 15, 2012 for a total not to exceed amount of \$105,000.
- Pursuant to Section 3. (a) iii of the Procurement Policy, this contract with New York State is exempt from the Westchester County Procurement Policies and Procedures.

**ACTION REQUESTED:**

- Authorization to enter into an agreement (IT-1226) with the NYS Division of Homeland Security and Emergency Services, Office of Cyber Security located at 1220 Washington Ave., State Office Campus, Building 7A, 4<sup>th</sup> Floor, Albany, New York 12242, for upgraded Geographic Information Systems Digital Orthoimagery data which includes acquisition of orthophotos from Spring 2012, for an eighteen month period commencing February 15, 2012 and terminating on August 14, 2013, for a total not to exceed contract amount of \$105,000, payable in a lump sum payment, subject to county appropriations.

A resolution is submitted herewith for your consideration.

**RESOLUTION**

UPON A COMMUNICATION FROM THE CHIEF INFORMATION OFFICER, DEPARTMENT OF INFORMATION TECHNOLOGY, BE IT HEREBY

RESOLVED, that the County of Westchester is hereby authorized to enter into an agreement (IT-1226) with the NYS Division of Homeland Security and Emergency Services, Office of Cyber Security, located at 1220 Washington Avenue, State Office Campus Building 7A, 4<sup>th</sup> Floor, Albany, New York 12242, for upgraded Geographic Information Systems Digital Orthoimagery data which includes the acquisition of orthophotos from Spring 2012, for an eighteen-month period commencing February 15, 2012 and terminating August 14, 2013, for a total not to exceed contract amount of \$105,000 payable in a lump sum payment; and be it further

RESOLVED, this Agreement is subject to County appropriations; and be it further

RESOLVED, that the County Executive or his authorized designee is hereby authorized and empowered to execute any and all documents necessary and appropriate to effectuate the purpose hereof.

Original Agreement:     \$ 105,000.00  
**Total**                     **\$ 105,000.00**

Contract: **IT-1226**

Account to be Charged/Credited:

Year	Fund	Dept	Major Program, Program & Phase Or Unit	Object/ Sub-Object	Trust Account	Dollars
2012	101	16	BIT26-00S	6190		\$105,000

Budget Funding Year(s): 2012            Start Date: February 15, 2012            End Date: August 14, 2013  
 (must match resolution)

Funding Source            Tax Dollars: \$105,000  
                                   State Aid \_\_\_\_\_  
**\$105,000**                 Federal Aid \_\_\_\_\_  
 (must match resolution)    Other: \_\_\_\_\_