

60021

DATE: December 1, 2017

TO: Board of Acquisition and Contract

FROM: John B. McCaffrey, Chief Information Officer

RE: AUTHORIZATION TO ENTER INTO AN AGREEMENT (IT-1479) WITH BOWNE MANAGEMENT SYSTEMS, INC. (BOWNE), FOR THE QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) REVIEW OF SPRING 2018 AERIAL PHOTOGRAPHY, PRODUCTION OF ORTHOPHOTOS, AND PLANIMETRIC UPDATE MAPPING, FOR A TERM COMMENCING ON MARCH 1, 2018 AND TERMINATING ON DECEMBER 31, 2019 FOR A TOTAL NOT TO EXCEED AMOUNT OF \$29,900.

BACKGROUND:

- Through the regular acquisition of aerial photography, the County of Westchester has documented its physical landscape, history and changing land use patterns. Beginning in 1925, and continuing throughout the twentieth century, a Planning Department program has produced thousands of black and white prints.
- In 2000, Westchester County's Department of Information Technology (DoIT) undertook an important transition aerial photography acquisition involving the development of the first high- accuracy digital photogrammetric 'base map' of the County. The project produced high resolution orthophotography and included the mapping of visible features such as building footprints, street centerlines, hydrology (streams, rivers, and lakes), edge of pavement, bridges, towers, and stone walls. The data was integrated into Westchester's Geographic Information Systems (GIS) programs, and distributed to each municipality in the County to support local tax mapping, public works, public safety, and many other municipal programs.
- In 2004, Westchester County partnered with New York State for the acquisition of new aerial imagery, providing considerable cost savings to the County. Existing planimetric features (building footprints, hydrology, edge of pavement, street centerlines, etc.) were completely updated, and new street features were captured countywide, including road barriers, stone walls, fire hydrants, catch basins and manholes. Data from this project has been 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.

- Imagery was received through cooperative efforts with New York State, both in 2007 and 2009. The updated aerial photography is critical to County departments including Emergency Services, Public Safety, Health, Planning, Public Works and Transportation, and Environmental Facilities. It is used by these departments on a daily basis for infrastructure, health, property, and land use management programs in all forty-five (45) Westchester municipalities, as well as by the public.

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- The County's imagery and planimetric data has not been updated since 2013. In the intervening years, the County's structures, roadways and infrastructure have undergone significant changes, increasingly compromising the utility of these important datasets. In addition to their proven value to the agencies listed above for daily operations, the updated planimetrics will prove critical in new and numerous ways, including for local rezoning efforts; review and revision of shoreline development regulations; and in the preparation (and response) to natural disasters such as Hurricanes Irene and Sandy.
- On November 4, 2016, a Request for Proposals (RFP) was issued for acquisition of new Spring 2017 imagery, production of new orthophotos, updating of existing planimetric datasets, and for independent Quality Assurance / Quality Control (QA/QC) services. The County selected IIC Technologies for the photogrammetric and planimetric mapping services (IT-1475) and is now prepared to contract with a firm to perform independent Quality Assurance / Quality Control (QA/QC) services on the IIC deliverables.
- Two (2) substantive responses were received from technically qualified firms which were independently reviewed and evaluated by six persons having experience and familiarity with the services, processes and products sought. After careful and thorough review of the proposals received, the six-member review committee selected Bowne Management Systems, Inc. as the vendor of choice based on their qualifications and their successful delivery of identical products and services associated with the County's 2013 base map project. Bowne Management Systems, Inc. was also the lowest bid of the two submitted for the QA/QC services.
- On February 10, 2017, your Honorable Board authorized the County to enter into an agreement with IIC Technologies, Inc. ("IIC") pursuant to which IIC was to provide the County with Aerial photography to be captured in late March-early spring of 2017, the optimal time of year to capture such images (the "IIC Agreement"). It was anticipated that we would then request authority of your Honorable Board to enter into an agreement with Bowne pursuant to which Bowne would perform a review Quality Assurance / Quality Control (QA/QC) review of the work performed by IIC under the IIC Agreement. Due to poor weather conditions in the spring of 2017, IIC was unable to perform the photography as specified. As a result of the inability of IIC to begin the work required under the IIC Agreement, no request was made to your Honorable Board at that time to authorize an agreement between the County and Bowne.
- It is now anticipated that IIC will perform the photography in the spring of 2018 and the remaining phases of the project thereafter. Accordingly, on November 30, 2017, your Honorable Board has authorized the County to amend its Agreement with IIC in order to extend the term of the IIC Agreement by one year to December 31, 2019. Therefore, we now come before your Honorable Board requesting authorization to enter into an agreement with Bowne Management Systems, Inc. to perform a Quality Assurance / Quality Control (QA/QC) review of the orthophotography and planimetric update mapping for a term commencing on March 1, 2018 and termination on December 31, 2019, for a total not to exceed amount of \$29,900.
- The public purpose of the requested aerial photography is to generate new orthophotography and update the planimetric data which is critical to County departments including Emergency Services, Public Safety, Health, Planning, Public Works and Transportation, Environmental Facilities, etc., and used on a daily basis for infrastructure, health, property, and land use management programs in all forty-five Westchester municipalities, as well as by the public. In addition to their proven value to the agencies listed above for daily operations, the updated planimetrics will prove critical in new and numerous ways, including for county and local government land planning efforts; review and revision of shoreline development regulations; baseline data in monitoring sea level rise,

and in the preparation (and response) to natural disasters such as Hurricanes Irene and Sandy.

- The goals and objectives for the Quality Assurance / Quality Control (QA/QC) review of the orthophotography and planimetric update mapping with Bowne Management Systems is in the attached resolution are in the best interest of the County as they allow for the County's continued commitment and leadership in distributing orthophotos and planimetric data to County departments, municipalities and the general public, providing significant cost savings to local governments, local businesses, community groups, and service organizations. Progress toward these goals and objectives will be tracked and monitored by the Department of Information Technology.

ACTION REQUESTED:

- Authorization to enter into an agreement (IT-1479) with Bowne Management Systems, Inc., located at 235 E Jericho Turnpike, Mineola, NY 11501, for independent Quality Assurance / Quality Control (QA/QC) services of new Spring 2018 imagery, production of new orthophotography, and updating of existing planimetric datasets, for a term commencing on March 1, 2018 and terminating on December 31, 2019, for a total not to exceed contract amount of \$29,900, payable according to an agreed schedule, subject to county appropriations.

A resolution is submitted herewith for your consideration.

JBM/SEF/jrc

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-1479) with Bowne Management Systems, Inc., located at 235 E Jericho Turnpike, Mineola, NY 11501, for independent Quality Assurance / Quality Control (QA/QC) services of new Spring 2018 imagery, production of new orthophotography, and updating of existing planimetric datasets, for a term commencing on March 1, 2018 and terminating on December 31, 2019, for a total not to exceed contract amount of \$29,900, payable according to an agreed schedule, and be it further

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

RESOLVED, this Agreement is also subject to further financial analysis of the impact of any New York State Budget (the "State Budget") proposed and adopted during the term of this Agreement. The County shall retain the right, upon the occurrence of any release by the Governor of a proposed State Budget and/or the adoption of a State Budget or any amendments thereto, and for a reasonable period of time after such release(s) or adoption(s), to conduct an analysis of the impacts of any such State Budget on County finances. After such analysis, the county shall retain the right to either terminate this Agreement or to renegotiate the amounts and rates approved herein. If the County subsequently offers to pay a reduced amount to the Contractor, then the Contractor shall have the right to terminate this Agreement upon reasonable prior written notice; and be it further

RESOLVED, that the County Executive or his duly authorized designee is hereby authorized to execute and deliver any and all documents and to take all action necessary and appropriate to effectuate the purposes hereof.

RESOLUTION

Agreement: **IT-1479**

Account to be Charged/Credited:

Year	Fund	Dept	Major Program, Program & Phase Or Unit	Object/ Sub-Object	Board Act #	Dollars
2018	316	16	BIT26-00S	6120	BA#98-11	\$29,900

Budget Funding Year(s): 2018 Start Date: March 1, 2018 End Date: December 31, 2019

Funding Source	Tax Dollars: <u>100%</u>
	State Aid _____
<u>\$29,900</u>	Federal Aid _____
(must match resolution)	Other: _____

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ALPHABETICAL LIST OF RESPONSIVE RESPONDENTS

SERVICE: QA/QC SERVICES FORTHOPHOTOGRAPHY AND PHOTOGRAMMETRIC
UPDATE OF PLANIMETRIC FEATURES AND RELATED SERVICES

RESPONDENT LIST

1. Applied Geographics, Inc. \$ 40,000
2. Bowne Management Systems, Inc. \$ 29,900

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