

INVITATION FOR BIDS



**2010 Aerial Photographs & Orthophotographs**

**IFB # 2010-4147-1905**

December 23, 2009

**City of Newport News  
Office of the Purchasing Director  
2400 Washington Avenue  
Newport News, VA 23607  
Phone: (757) 926-8032/ Fax: (757) 926-8038  
<http://www.nngov.com/purchasing>**

**SCOPE OF WORK:** Provide all equipment and labor to furnish high-resolution, color digital ortho and oblique imagery of all areas lying within the boundaries specified and provide oblique imagery viewing software and licenses.

**Bid Due:** January 12, 2010, at 2:30 P.M.

**Contract Officer:**

Michael Coburn, CPPO,  
[mcoburn@nngov.com](mailto:mcoburn@nngov.com)

Purchasing Administrator  
(757) 926-8032

**\*\*AN ORIGINAL SECTION "A" AND ONE DUPLICATE COPY IS REQUESTED\*\***

In compliance with this invitation for bids, and subject to all the conditions thereof, the undersigned offers, if this bid is accepted within (60) calendar days from the date of the opening, to furnish any or all of the items and/or services upon which prices are quoted, at the price set opposite each item, to be delivered at the time and place specified herein. The undersigned certifies he has read, understands, and agrees to all terms, conditions, and requirements of this bid, and is authorized to contract on behalf of firm named below.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Federal Tax ID (or Social Security #) \_\_\_\_\_ email: \_\_\_\_\_

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

This form must be signed. All signatures must be original and not photocopies

**CONDITIONS AND INSTRUCTIONS**

10/06/2009

1. All bids shall be submitted on and in accordance with this form. If more space is required to furnish a description of the commodities and/or services bid, or delivery terms, the bidder may attach a letter hereto that will be made a part of the bid. All bids shall be submitted sealed, plainly marked showing the bid number, date and time. The entire solicitation document is to be returned when submitting a bid, unless otherwise directed by the bid document. Failure to return all pages may result in a determination that the submittal is non-responsive.
2. Bids and amendments thereto, if received by the Purchasing Department after the date and time specified for bid opening, will not be considered. It will be the responsibility of the bidder to see that their bid is received by the Purchasing Department as specified. There will be no exceptions. Date of postmark will not be considered. Telephone, facsimile, electronic and verbal bids will not be accepted. Prices or changes shown on the outside of an envelope will not be considered in determination of low bid.
3. If City Hall is closed for business at the time scheduled for bid opening, for whatever reasons, sealed bids will be accepted and opened on the next business day of the City, at the originally scheduled hour.
4. Each bid is received with the understanding that the acceptance in writing by the City of the bidder to furnish any or all of the commodities and/or services described therein, shall constitute a contract between the bidder and the City, which shall bind the bidder on his part to furnish and deliver the articles quoted on at the prices stated and in accordance with the conditions of said accepted bid; and the City on its part to order from such bidder, except for causes beyond reasonable control; and pay for, at the agreed prices, all articles specified and delivered.
5. Bidders have the right to request withdrawal of their bids from consideration due to error by giving notice not later than two days after bids are publicly opened. Work papers showing evidence of error(s) may be required. Upon request Administrative withdrawal procedures will be provided that shall be used for that purpose.
6. If issued, addenda to this solicitation will be posted on the Purchasing Department's website ([www.nngov.com/purchasing](http://www.nngov.com/purchasing)). It is the bidder's responsibility to check the website or contact the Purchasing Department prior to the submittal deadline to ensure that the bidder has a complete, up-to-date package.
7. The solicitation document maintained by the Purchasing Department, in the bid file folder, shall be considered the official copy. In the case of any inconsistency between bid documents submitted to the City, but not clearly listed on the exception page of the document as an exception by the bidder, the language of the official copy shall prevail. Furthermore, any exception or changes to the specifications made by the bidder may be cause to disqualify your bid.
8. Award will be made to the lowest responsive and responsible bidder. The quality of the articles to be supplied, their conformity with the specifications, their suitability to the requirements, the delivery terms, qualifications and references will be taken into consideration in making an award. Length of time for delivery as well as price may be considered in awarding the bid.

There will be no negotiating between opening of bids and the award of contracts per CFR635.113. However, the City reserves the right to delete line items after award of the contract.

Upon making an award, or giving notice of intent to award, the City will place appropriate notice on the public bulletin board located outside of the Purchasing Department at City Hall. Notice of award may also appear on the Purchasing Website: [www.nngov.com/purchasing](http://www.nngov.com/purchasing) or [www.demandstar.com](http://www.demandstar.com).

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9. The City reserves the right to reject any and all bids, and to waive any informality if it is determined to be in the best interest of the City.
10. Prices shall be stated in units of quantity specified. No additional charges shall be passed to the City, including any applicable taxes, delivery or surcharges. Prices quoted shall be the final cost to the City.
11. All prices and notations should be in ink or typewritten. Mistakes may be crossed out and corrections made in ink and must be initialed and dated in ink by the person signing the bid.
12. In case of error in the extension of prices, the unit price shall govern.
13. The time of proposed delivery must be stated in definite terms. If time of delivery for different commodities varies, the bidder shall so state.
14. Samples, when requested, must be furnished free of expense, and upon request, if not destroyed, will be returned at the bidder's risk and expense.
15. Unless qualified by the provision "NO SUBSTITUTE", the use of the name of the manufacturer, brand make or catalog designation in specifying an item does not restrict bidders to the manufacturer, brand, make or catalog designation identification. This is used simply to indicate the character, quality and/or performance equivalence of the commodity desired. The commodity on which bids are submitted must be of such character, quality and/or performance equivalence that it will serve as that specified. In submitting bids on a commodity other than as specified, bidder shall furnish complete data and identification with respect to the alternate commodity they propose to furnish.

Consideration will be given to bids submitted on alternate commodities to the extent that such action is deemed to serve the best interests of the City. If the bidder does not indicate that the commodity he proposes to furnish is other than specified, it will be construed to mean that the bidder proposes to furnish the exact commodity described.

16. The apparent silence of these specifications and any supplemental specifications as to any detail or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and correct type, size and design are to be used. All interpretations of these specifications shall be made on the basis of this statement.
17. All bids must be signed by an authorized, responsible officer or employee having the capacity to enter contracts. Obligations assumed by such signature must be fulfilled.
18. By signing this bid, the bidder assigns to the City any and all rights that he may have under the antitrust laws of the United States and the Commonwealth of Virginia in any way arising from or pertaining to this bid. This provision is remedial in nature and is to be liberally construed by any court in favor of the City.
19. The bidder certifies by signing this Invitation for Bid that this bid is made without prior understanding, agreement, or accord with any other person submitting a bid for the same product or service and that this bid is in all respects bona fide, fair and not the result of any act of fraud or collusion with another person engaged in the same line of business or commerce. Any false statement hereunder constitutes a felony and can result in a fine and imprisonment, as well as civil damages.
20. The contractor guarantees to defend and save the City, its agents and employees, harmless from liability of any nature or kind, for use of any copyright, composition, secret process, patented or unpatented invention, articles or appliances furnished or used in the performance of the contract, or which the contractor is not the patentee, assignee, or licensee.
21. The contractor shall keep himself fully informed of all federal, state and local laws, ordinances and regulations that in any manner affect the conduct of the work. The contractor shall at all times observe and comply with all such laws, ordinances and regulations and he shall protect and indemnify the City, and its representatives

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against any claim or liability arising from or based on any violation of the same, whether by the contractor, his subcontractors, suppliers of materials or services, or others engaged by the contractor or the employees of any of them. **The contractor certifies that he does not and shall not during the performance of the contract for goods and services in the Commonwealth, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986, as amended.**

**Every business must register with the Virginia State Corporation Commission before transacting business in Virginia.**

22. In event of default by the contractor, the City reserves the right to procure the commodities and/or services from other sources, and hold the contractor liable for any excess cost occasioned thereby.
23. Appeals Procedure: Upon your request, administrative appeals information will be provided that shall be used for hearing protests of a decision to award or an award, appeals from refusal to allow withdrawal of bids, appeals from disqualification, appeals for debarment or suspension, or determinations of non-responsibility and appeals from decision or disputes arising during the performance of a contract. To be timely, all appeals, except contract disputes, shall be made within ten days of either public notice of award, or the actual award, whichever is first.
24. **It is the policy of the City of Newport News to facilitate the establishment, preservation, and strengthening of small businesses and businesses owned by women and minorities and to encourage their participation in the City's procurement activities. Toward that end, the City of Newport News encourages these firms to compete and encourages non-minority firms to provide for the participation of small businesses and businesses owned by women and minorities through partnerships, joint ventures, subcontracts, and other contractual opportunities. Bidder is requested to complete the SMB, MBE and WBE Business Objectives form within this document.**
25. The City has a directory of Newport News Minority and Women-owned businesses. The directory is distributed, at request, at no additional cost.
26. This public body does not discriminate against faith based organizations.
27. Non-Discrimination: During the performance of this contract, the contractor agrees as follows:
  - (a) He will not discriminate against any employees or applicants for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where one or more of these are a bona fide occupational qualification reasonably necessary to the normal operations of the contractor. The contractor agrees to post in conspicuous places available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
  - (b) The contractor will be and state that he is an equal opportunity employer in all solicitations or advertisements for employees.
  - (c) Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

The contractor will include the provisions of the foregoing paragraphs (a), (b) and (c) in every subcontract or purchase order of over ten thousand dollars so that the provisions will be binding upon each subcontractor or vendor.
28. During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of prohibition; (iii) state in all solicitations or

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advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this subsection, "A drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a contractor in accordance with this subsection, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

29. Assignment of Contract: A contract shall not be assignable by the contractor in whole or in part without the written consent of the City.
30. Applicable Law and Courts: Any purchase order/contract resulting from this solicitation shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the courts of the Commonwealth. The contractor shall comply with applicable federal, state and local laws and regulations.
31. Severability: If any provision of this Agreement or the application thereof to any person or circumstances shall to any extent be invalid or unenforceable, the remainder of this Agreement, or the application of such provision to persons or circumstances other than those which it is invalid or unenforceable, shall not be affected hereby, and each provision of this Agreement shall be valid and enforced to the full extent permitted by law.
32. Scheduling and Delays – The parties to any contract resultant of this solicitation acknowledge that all or part of the work to be performed hereunder may be delayed and extended at the option of the City. Such delays may be caused by delays, denials, and modifications of the various state or federal permits, or for other reasons. The City shall not be required to pay any of the Contractor's direct or indirect costs, or claims for compensation, extended overhead, or other damage or consequential damages arising out of or related to any delays or interruptions required or ordered by the City. If the City delays the project for any reason for a continuous period of 6 months or more, the City and Contractor will negotiate a mutually agreeable adjustment to the Contractor's award amount.
33. Cancellation: The City may cancel the contract immediately for violations of safety or rules of ethics. The City may cancel a contract thirty (30) days after the City has given a written request for a cure for vendor non-performance if such cure has not occurred. Cancellation shall not release the vendor from legal remedies available to the City. If the contract is an extended term contract, after completion of the first contract period, either party may cancel the contract without penalty. Written notice of such termination shall be made a minimum of sixty (60) days prior to its effective date.
34. Direct contact with City departments other than Purchasing, on the subject of this bid is expressly forbidden except with the foreknowledge and permission of the Director of Purchasing or their representative. Violation may result in a determination that your firm is ineligible for award.
35. Questions or comments related to this solicitation should be directed to the Contract Officer, whose name and contact information appears on the front of this document. All questions must be submitted in writing (facsimile or email); telephonic inquiries will not be considered.
36. Successful bidder shall furnish all required bonds, certificates of insurance and required endorsements on City approved forms included in this bid package. Any other forms are not acceptable and shall not be approved by the City Attorney's office. Time is critical on this work and non-compliance will delay the work and may be cause to make award to the next qualified bidder.

Since it is the intent of the City to promote small businesses (SBE), minority businesses (MBE) and women-owned businesses (WBE), you are requested to report the total dollars which will be sub-contracted to each of the business classifications pertaining to this contract. If you should sub-contract with SBE's, MBE's and WBE's, list the dollar figures separately for each general classification.

This will enable the City to track the amount of business the City does with small, minority and women-owned businesses. Without your cooperation it would be very difficult to fully understand the City's performance in this important segment of the market. Indicate your figures below and return this form to the Purchasing Department with your initial bid package.

If you are not sub-contracting, even if you are a S/M/WBE, put zeros in the spaces below.

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Total SBE Dollars to be Sub-contracted \$ \_\_\_\_\_

Total MBE Dollars to be Sub-contracted \$ \_\_\_\_\_

Total WBE Dollars to be Sub-contracted \$ \_\_\_\_\_

## EXCEPTION PAGE

### EXCEPTIONS:

Bidder must sign the appropriate statement below, as applicable:

- ( ) Bidder understands and agrees to all terms, conditions, requirements, and specifications stated herein.

Firm: \_\_\_\_\_

Signature: \_\_\_\_\_

- ( ) Bidder takes exception to terms, conditions, requirements, or specifications stated herein (Bidder must itemize all exceptions below, and return with this IFB):

Firm: \_\_\_\_\_

Signature: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Vendors should note that any exceptions taken from the stated terms and/or specifications may be cause for their submittal to be deemed "non-responsive", risking the rejection of their submittal.

Payment terms shall be considered in determining the low bidder.

### **BID RESULTS**

Bid results of the apparent three lowest qualified responsive and responsible bidders will be made available on recorded message the following two business days after the bid opening, by visiting our web site:

<http://www.nngov.com/purchasing> or [www.demandstar.com](http://www.demandstar.com)

**ANTI-COLLUSION CERTIFICATION**

The bidder certifies that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same product and that this bid is in all respects bona fide, fair and not the result of any act of fraud or collusion with another person or firm engaged in the same line of business or commerce. The bidder understands collusive bidding is a violation of Federal law and that any false statement hereunder constitutes a felony and can result in fines, imprisonment, as well as civil damages. The bidder also understands that failure to sign this statement will make the bid non-responsive and unqualified for award.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Name of Company: \_\_\_\_\_

**REFERENCES FOR BIDDERS\***

Please provide 3 references with contact person and phone number for similar projects occurring within the last 5 years (if applicable, please include 1 municipal government reference):

1. \_\_\_\_\_ tel. # \_\_\_\_\_
2. \_\_\_\_\_ tel. # \_\_\_\_\_
3. \_\_\_\_\_ tel. # \_\_\_\_\_

Please provide 3 projects that demonstrate your experience with GCI Aerial Photography past 5 years:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Provide 3 projects within the past 5 years where the given time frame for the project was achieved:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**\* The City reserves the right to ask for additional information.**

## **PURPOSE**

It is expressed purpose of this Invitation for Bids (IFB) to engage the services of a highly qualified aerial photography firm to provide aerial photographs, digital orthophotography, oblique imagery, and three-dimensional photography of the City of Newport News.

As a result of unprecedented growth in the City of Newport News over the last several years, there is a requirement to update the planimetric features of the City in an effort to provide the general public with more accurate and up-to-date aerial photography.

## **SCOPE OF WORK**

### **Aerial Digital Imagery & Software License**

#### **1.0 General Scope:**

The Contractor will provide all equipment and labor resources necessary to furnish high-resolution, color digital ortho and oblique imagery of all areas lying within the boundaries specified and provide oblique imagery viewing software. Using both ortho-and oblique images, users shall be able to perform tasks, such as measure on screen the width, length, area, and height (oblique images only) of any feature on the image with inherent software tools. The Contractor will be responsible for complying with all required flight planning, and airspace requirements for acquisition of the aerial photography. All images shall be digitally captured and delivered in color. Coverage shall be of the entire area of the City of Newport News.

Horizontal coordinates will be GCS North American 1983 HARN referenced to the State Plane System (VA South Zone) in feet. Vertical coordinates will be referenced to NAVD88 vertical control. Permanent first- and second order horizontal and vertical control targets in the City of Newport News (with the exception of Federally-owned lands). Closed network baselines will be used on all GPS observations. No open vectors shall be allowed in the network. The vertical accuracy of the control points shall conform to FGCC standards for Second Order, Class 2 elevation difference accuracy standards for relative positioning techniques.

The Contractor shall use a licensed surveyor to survey and target the City's existing ground control. The locations of the monuments will be provided.

#### **2.0 Flight Schedule and Flight Conditions:**

Weather and ground conditions permitting, the project must be flown with a minimum sun angle of thirty-five degrees. The photography shall be free of clouds, cloud shadows, and atmospheric haze or smoke during the hours of 10am to 2pm, Eastern Standard Time. It must be taken in leaf-off conditions and in calm wind conditions.

### **3.0 Digital Obliques and Orthophotography**

The Contractor shall prepare full frame digital orthophotography imagery of every photo along each flight line. Oblique imagery must be georeferenced to 6-inch ortho-rectified photography flown in Spring 2009 by the US Geological Survey or 3-inch orthophotography that has been rectified to the City's DTM. The City will provide a 2007 LiDAR data (DTM) after bid has been awarded. The Contractor may propose an optional rectification process other than ortho certification that will produce an acceptable product at a lower cost. The optical axis of the oblique images must be between 40° and 50° from nadir to ensure the best possible oblique image presentation. Images must be digitally captured in natural color and delivered in digital form.

A USGS approved digital camera calibration process must be used to calibrate cameras. This ensures the camera models are consistent with USGS standards. If requested by City, the Contractor shall provide proof of adequate maintenance and calibration of aircraft, aerial cameras, and GPS equipment. Orthogonal and oblique imagery must be captured on the same pass for a given area to ensure data consistency.

Images are to be captured using a direct geo-registration approach, utilizing an integrated Global Positioning System (GPS) and Inertial Measurement Unit (IMU). The City reserves the right to capture a thumbnail image and crop the image as necessary of any structure found in the data base.

The Contractor must provide the City all data on an external hard drive(s), cost to be included in project cost. All imagery must be in an open source format allowing the City to view imagery outside of designated software. No proprietary image formats shall be utilized. The Contractor shall provide new geo-referenced imagery with the same level of accuracy, measuring and planning capabilities within days after any federally declared disaster in the City of Newport News.

### **4.0 Imagery & Software License**

Oblique imagery shall be owned by the City. The City shall have the right to use the imagery within all desktop and web-based GIS services provided to its citizens. The City shall have the right to distribute imagery to any local government.

Software license shall provide an unlimited seat license for all City departments. City prefers the above options; however, the Vendor may propose other licensing options with associated costs clearly stated.

### **5.0 Oblique Imagery Viewing Software**

The Contractor shall provide all oblique imagery viewing software. Oblique imagery viewing software must include the ability to catalog, organize, and retrieve oblique and orthogonal imagery easily and efficiently. The software must include the ability to retrieve imagery via

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address search, Tax Parcel or ID search and Coordinate search. The system shall provide the ability to incorporate, display and query the City's existing ESRI geographic information system (GIS) data.

The software must include the ability necessary to process on screen measurements. Each pixel shall have x, y and z coordinates. Using both the ortho images and the oblique images, users shall be able to measure on screen the width, length, area, and height (oblique only) of any feature on the image.

Contractor shall provide, deliver and install all digital photography, software and provide appropriate training. Contractor shall provide a digital information system capable of retrieving, displaying, and calculating required information relating to the photography and other data systems.

Oblique imagery viewing software must be able to handle multiple image catalogs simultaneously and be able to simultaneously compare and contrast both ortho and oblique images of the same location captured at different times.

Oblique imagery viewing software must be able to convert locations and coordinate systems on the fly and must include support for at least the following coordinate systems: UTM, State Plane, and Lat/Lon.

Different agencies, and especially different levels of first responders, work in different coordinate systems. It is essential that the software be able to overlay data from and display data in the various coordinate systems without the need to re-project the data multiple times.

A georeferenced location map shall be provided which will allow the user to click on it and have the images for that area appear on the screen. The software supplied shall have virtual oblique mosaicing. This will allow the user to move from one image to any adjacent image in a chosen direction.

Oblique viewing software must be able to directly retrieve vector data contained within ArcSDE. Oblique viewing software must be able to be integrated directly into ESRI's ArcGIS 9.3 suite of Desktop and Server products with the ability to view and measure width, length and height of any feature within the oblique imagery while in the ArcGIS environment.

Three references to existing installations must be provided for verification. Oblique viewing licensed software must offer both desktop and browser-based solutions and must operate in a Microsoft environment. The Contractor must provide hardware and software training at a City facility.

## **6.0 Delivery Schedule:**

The Contractor agrees to mobilize all required staff and equipment resources to achieve the following delivery schedule:

The Airborne GPS aerial photography shall be flown prior to March 15, 2010 before the vegetation "buds out or foliates." The date of the flight shall be recorded and furnished to the City.

The Contractor shall provide all services, materials, supplies, equipment, and necessary software, and shall execute the provisions of the contract and complete the project in an expeditious manner. All imagery and software must be delivered within 60 days from last data capture to ensure timeliness of imagery.

## **7.0 Deliverables:**

Digital Oblique and Ortho Rectified Imagery within the 58 square miles of the City:

- a. At least four (4) oblique images of each point in this area from each of the cardinal directions with a frontline GSD of 4" or less and a backline GSD of 6" or less
- b. At least ninety (90) images [or sixty (60) oblique images] per square mile must be provided with a frontline GSD of 4" or less and a backlines GSD of 6""or less.
- c. At least one (1) ortho image of each point in this area with a GSD of 6" or less if processes include orthophotography.

## **7.1 Oblique Imagery Viewing Software & License**

## **8.0 Three-Dimensional Photography**

The Contractor shall provide 3D Image model of approximately 1 square kilometer or 0.386 square miles of a particular vicinity within the City of Newport News.

## **OPTIONAL**

The contractor may provide a fee schedule for additional services, on a per seat/department license basis such as: Change Analysis software tools that will permit side-by-side comparison of imagery data sets in order to quickly identify changes, or for disasters, the ability to assess the level of damage of pre-incident images to post-incident images (for instances in which pre-incident imagery is available).

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### Price Form

Total price shall include all costs (including, but not limited to, travel and other incidental expenses) to provide services and deliverables identified in the Statement of Work and Deliverables sections of this IFB. All overhead shall be included.

| Item                                             | Total Price     |
|--------------------------------------------------|-----------------|
| 1. Orthophotography                              | \$ _____        |
| 2. Oblique photography                           | \$ _____        |
| 3. Oblique Imagery Viewing Software and Licenses | \$ _____        |
| 4. 3D image 1 square KM = 0.386 square miles     | \$ _____        |
| 5. Orthophotography compressions with Mr. SID    | \$ _____        |
| <b>Grand Total</b>                               | <b>\$ _____</b> |

### OPTIONAL

The contractor may provide a fee schedule for additional services, on a per seat/department license basis such as: Change Analysis software tools that will permit side-by-side comparison of imagery data sets in order to quickly identify changes, or for disasters, the ability to assess the level of damage of pre-incident images to post-incident images (for instances in which pre-incident imagery is available).

### Award

For award purposes the low bidder will be determined based on the Grand Total above.



