



**COUNTY OF LOS ANGELES
CHIEF INFORMATION OFFICE**
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Telephone: (213) 253-5600

August 7, 2013

Dear Proposers:

**RE: ADDENDUM NUMBER ONE TO REQUEST FOR PROPOSALS (RFP) FOR
DIGITAL AERIAL DATA FOR LOS ANGELES REGION IMAGERY
ACQUISITION CONSORTIUM (LAR-IAC) – LAR-IAC4 RFP**

This Addendum Number One to the RFP is issued by the County of Los Angeles (County) through its Chief Information Office (CIO). A copy of this Addendum shall be e-mailed to each person or organization that attended the Mandatory Proposers' Conference on August 1, 2013, in addition to being posted on County's Open Bids and Solicitations portal at:

<http://camisvr.co.la.ca.us/lacobids/BidLookUp/BidOpenStart.asp>,

and the LAR-IAC 4 RFP support page

<http://egis3.lacounty.gov/dataportal/lariac/lar-iac4/rfp-data>.

Unless defined in this Addendum, any term with initial letter capitalized shall have the meaning given to such term in the RFP.

This Addendum contains Questions submitted by potential Proposers along with corresponding Answers, attached hereto as Attachment 1. Unless stated otherwise, all references in the Questions and Answers table are made to the RFP.

For consistency with the RFP instructions, this Addendum also modifies Appendix D (Cost Proposal to the RFP) including the Cost Proposal Worksheet, attached hereto as Attachment 2.

The revisions are:

1. Appendix D (Cost Proposal) – has been modified to including pricing for the options for orthogonal images and digital terrain data.
2. Appendix D (Cost Proposal Worksheet) – has been modified to enable Proposers to submit pricing for providing Digital Terrain Model (DTM) updates from orthophotography as part of Task 4.

All other terms and conditions of the RFP shall remain unchanged.

Very truly yours,

Mark Greninger, Contract Manager
LAR-IAC4 RFP

RFP FOR DIGITAL AERIAL DATA FOR LAR-IAC

ADDENDUM NUMBER ONE TO RFP
ATTACHMENT 1
RESPONSES TO PROPOSERS' QUESTIONS

Questions are listed in page order number.

RESPONSES TO PROPOSERS' QUESTIONS

RFP FOR DIGITAL AERIAL DATA FOR LOS ANGELES REGIONAL IMAGERY ACQUISITION CONSORTIUM (LAR-IAC)

Questions on the Body of the RFP

#	Source Text	Question	Answer
1	<p>Page 3: RFP Section 1.5 (Minimum Requirements), Item 3 states: “Proposer, or applicable subcontractor, must have completed within the past three years at least three (3) digital oblique imagery projects, each of which had an area of at least 250 square miles.”</p>	<p><i>By “completed”, does LAR-IAC mean oblique imagery created, delivered, accepted and successfully deployed within a viewing system currently being utilized?</i></p>	<p>By completed, LAR-IAC means that the Proposer shall have successfully captured and delivered Oblique Images for three (3) projects, including Acceptance. The viewing system that is being proposed for the LAR-IAC4 project may not have been used for all of these projects. The LAR-IAC Evaluation Committee will carefully review the viewing system to ensure that it meets the requirements of Exhibit B.1 (Statement of Work – Oblique Images).</p>
2	<p>Page 3: RFP Section 1.5 (Minimum Requirements), item 5 states: “Proposer must have completed within the past three (3) years at least three (3) building representations (outlines) projects, each of which created or updated more than 25,000 buildings The minimum requirements for the other products (items 3, 4 and 6) also include the phrase ‘or applicable subcontractor’ in the minimum requirements.”</p> <p>Page 32: RFP Section 2.10.6, item 3.f(1) on page 32 states: “Proposer must provide references from at least three (3) clients for which the Proposer or Proposer’s subcontractor, as applicable, has provided building representations meeting the minimum requirements specified in Section 1.5</p>	<p><i>Please confirm that the experience requirement for building representations may be met by a subcontractor.</i></p>	<p>Yes - the experience required for Building Representations may be met by a subcontractor.</p>

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	(Minimum Requirements) over past three (3) years as set forth in this RFP. “		
3	<p>Page 33:</p> <p>RFP Section 3.4.1 (Business Proposal Evaluation and Criteria – Oblique Images (30%)), Item 1(vi) states:</p> <p>“Availability and technical capability to provide a hosted solution for access to oblique aerial imagery.”</p>	<p><i>Do the desktop software and hosted solutions require the ability to display and measure upon existing historical oblique imagery of Los Angeles County?</i></p>	<p>Yes. The County has full rights to the existing datasets, licensed from Pictometry International Corporation, and has the data from 2003, 2006, 2008 and 2011 on hard disks that will be provided to the winning Proposer for inclusion in their desktop and hosted software.</p>

Questions on Appendix A (Required Agreement)

#	Source Text	Question	Answer
4	<p>Page 101:</p> <p>Appendix A, Paragraph 26.2 on RFP page 101 states that if we are not using a Pre-Approved Subcontractor, then:</p> <p>“Contractor shall provide to County, in writing, a request for written approval to enter into the particular subcontract, which request shall include:”</p>	<p><i>Since there are no Pre-Approved Subcontractors listed in the RFP, are we expected to include the requested information in our response to the RFP?</i></p>	<p>During contract negotiation, Section 26.1 provides the mechanism for establishing “Pre-Approved” contractors before the start of the project. Paragraph 26.2 of the Required Agreement (Appendix a) covers the addition of new contractors after the agreement has been signed. During this response selected subcontractors can be listed as part of the response team.</p>

Questions on Appendix B (Statement of Work)

	Source Text	Question	Answer
5	<p>Page 157:</p> <p>Appendix B, item 7 lists information that will be provided by the County to the selected Contractor.</p>	<p><i>What is the age and source of the ‘DTM and/or DSM’ listed in item (h)?</i></p> <p><i>Can the County provide the shapefile with ‘existing control’ listed in item (g) now so that we can incorporate that information into our estimates?</i></p>	<p>The age of the current DTM and DSM are from the LAR-IAC1 project (2006). More information is available here: http://planning.lacounty.gov/lariac/resource/doc/accAssessRep4inchOrthoVertical_wSeal.pdf</p> <p>The County will attempt to provide the shapefile of existing control if time and resources permit. There are a</p>

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			number of control points that need to be compiled.
6	<p>Page 173:</p> <p>Appendix B, Exhibit B.2, Section 1.2, Task 2 states:</p> <p>“Where no cadastral monument exists the Contractor will set a durable monument.”</p>	<p><i>What is the definition of a durable cadastral monument?</i></p>	<p>Durable cadastral monuments are established as part of normal surveying practice. Examples of durable monuments include spike and washer.</p>
7	<p>Page 175:</p> <p>Appendix B, Exhibit B.2, Section 1.2, Task 4 states:</p> <p>“The DTM spacing shall be 5 foot or less.”</p> <p>Page 178:</p> <p>Appendix B, Exhibit B.2, Section 1.2, Task 7 states:</p> <p>“The DTM spacing shall be 5 meters or less.”</p>	<p><i>We see DTM spacing is referred in feet and meters in two different sections of the RFP. What is LA County asking for?</i></p>	<p>These are two different deliverables. Task 4 refers to Project Area 1 (the Urban Area of the County) - and requires a 5 foot DTM. Task 7 refers to Project Area 2 (the National Forest) and requires a 5 meter DTM. The difference is caused by the differing requirements for the source imagery (4-inch vs. 1 foot). Please note that these two tasks are both optional “in the event that an imagery acquisition cycle does not include a new LIDAR-based digital terrain data.”</p>
8	<p>Page 178:</p> <p>Appendix B, Exhibit B.2, Section 1.2, Task 7, states:</p> <p>“The DTM updates shall be produced by using automatic stereo compilation and shall comply with the following requirements”</p>	<p><i>Do we have to use stereo compilation or can we use digitization from the orthogonal imagery?</i></p>	<p>Stereo compilation is currently part of the requirements, in order to support the required spatial accuracy. A proposer may suggest alternatives to meet the required accuracy levels.</p>
9	<p>Page 193:</p> <p>Appendix B, Exhibit B.3, Statement of Work (1.2 - Task 2)</p>	<p><i>With regard to the building representation portion of the Statement of Work, does LAR-IAC warrant that the existing building representation dataset meets the acceptability requirements as set forth in Exhibit B.3 of the current RFP?</i></p>	<p>Yes. The current Building Representations meet current acceptability requirements, with three exceptions: the City of Lancaster, City of Glendale and City of Pasadena were created using orthophotography. Only the updated Building Representations in those areas will be required to meet the LAR-IAC acceptability requirements.</p>

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<p>10</p>	<p>Page 193: Appendix B, Exhibit B.3, Task 2, on RFP page 193 states: “Contractor shall provide deliverables that enable LARIAC to identify buildings that have been demolished, modified, replaced, or added since last capture/creation.”</p>	<p><i>Can the County provide a representative sample of the last capture/creation? If yes, the source images associated with the sample would also be helpful.</i></p>	<p>The current Building Representations are available for download here: http://egis3.lacounty.gov/dataportal/2011/04/28/county-wide-building-outlines/ The County can provide access to a mapping service for the related Orthogonal Images, but does not have access to the source stereo imagery.</p>
<p>11</p>	<p>Page 215: Appendix B, Exhibit B.5, Section 2 (Proposed Schedule – Orthogonal Images), Deliverable 3</p>	<p><i>Is it the intention to indicate that Aerial Triangulation must be completed by March 1? The proposed schedule indicates that capture be performed in a period that includes March which would contradict this.</i></p>	<p>The proposed schedule establishes July 1st as the delivery date of the Orthogonal Images to the LAR-IAC Quality Control vendor, and September as the Final Acceptance date. The March 1st date is provided as guidance, and as a delivery point, to support that July date. LAR-IAC anticipates flights beginning in January, with capture proceeding rapidly. LAR-IAC does not require capture in March (it can be completed before then). LAR-IAC provides flexibility to the vendor to acquire and process the imagery in order to meet the September 1st deadline.</p>
<p>12</p>	<p>Page 215 & 216: Appendix B, Exhibit B.5 (Proposed Schedule – Digital Aerial Data RFP)</p>	<p><i>The overall schedule seems to put processes in parallel that will practically operate in series, e.g. LiDAR data collection starting on or about the same time as imagery data collection in spite of the contingency of imagery production on completion of LiDAR data capture and processing into an orthorectification ready DEM or each block of imagery. Would it be possible to begin LiDAR data capture substantially prior to the start of imagery capture to ensure data readiness for the orthorectification phase of orthogonal imagery production?</i></p>	<p>Yes. Vendors can begin LIDAR capture prior to imagery capture to ensure data readiness. The key determinant is final delivery and acceptance. Note that LAR-IAC prefers a January start to image acquisition to support assessment and image quality and to avoid snow in the mountains. LIDAR can begin earlier to support image processing.</p>

RESPONSES TO PROPOSERS' QUESTIONS

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<p>13</p>	<p>Page 215: Appendix B, Exhibit B.5 (Proposed Schedule – Orthogonal Images)</p>	<p><i>What work processes are anticipated to occur during the window of July 1 to September 15? Is it the intention of the schedule to indicate a requirement for a complete delivery of all ortho imagery on July 1 with a correction and QC period following which ends on September 15, at which point all imagery is to be deemed final?</i></p>	<p>Yes, the intention is to require a complete delivery of all Orthogonal Images on July 1st. The QAQC process of LAR-IAC imagery has historically required 2 months of work by the LAR-IAC project team (imagery acquisition vendor and QAQC vendor) to complete QAQC and redelivery of any corrections. The data volume that is part of the LAR-IAC project means that the data cannot undergo complete QAQC in a short timeframe. The proposed schedule does not preclude the imagery vendor from beginning delivery in stages before the July 1st date. In fact, it is recommended that the successful proposer arrange for earlier delivery where possible in order to extend the time for quality control.</p>
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Questions on Appendix C (Required Forms)

#	Source Text	Question	Answer
<p>14</p>	<p>Pages 223-227: Appendix C, Exhibit 4 on RFP pages 223-227 contains forms that request references for projects performed in the past three (3) years. However the evaluation criteria listed in Section 3.4.2, Item 1(v) on page 43, Section 3.4.3, Item 1(iv) on page 44 and Section 3.4.4, Item 1(vi) on page 46 each state: “Client references from similar projects in the past two (2) years.”</p>	<p><i>Is the correct requirement for projects performed in the past 3 years or 2 years?</i></p>	<p>Section 1.5 (Minimum Requirements) of the RFP is the controlling section here – the client references should be from the past three (3) years. This should provide Proposers with the ability to give a larger sample time. The County’s goal is to support Proposers providing the most applicable reference.</p>

RESPONSES TO PROPOSERS' QUESTIONS

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Questions asked at the Mandatory Proposers' Conference

#	Source Text	Question	Answer
4	Appendix D (Cost Proposal), Appendix B, Exhibit B.2 (Statement of Work – Orthogonal Images)	<i>In the event that LIDAR isn't funded how should we price the DTM validation and update from the orthos?</i>	<p>The County recognizes that the response documents did not provide an ability for proposers to provide pricing in the event that LIDAR was not acquired.</p> <p>The following changes have been made by Addendum Number One to the RFP in order to enable Proposers to provide all required pricing information:</p> <p>Appendix D (Cost Proposal Worksheet) – Orthogonal Images</p> <ol style="list-style-type: none">1. Task 4 – Unit and Units columns have been changed to “n/a”. Black areas have been removed to enable pricing to be added for the DTM update validation and update.2. Task 7 - Unit and Units columns have been changed to “n/a”.

APPENDIX D

COST PROPOSAL

FOR

**DIGITAL AERIAL DATA
RFP**

1. REQUIRED WORK

Provide the Fixed Price Amount for providing all Required Work specified in *Appendix B (Statement of Work)* to the RFP (enter amount and sign below).

On the worksheet on the following page, enter costs for each of the deliverables specified in *Appendix B (Statement of Work)*. This worksheet will be made available electronically to all Proposers upon request.

1. FIXED PRICE AMOUNT (MAXIMUM PRICE) FOR OBLIQUE IMAGES:

\$ _____

2. FIXED PRICE AMOUNT (MAXIMUM PRICE) FOR ORTHOGONAL IMAGES:

(Average of amounts in 2(a) and 2(b)):

\$ _____

2(a): PRICE EXCLUDING NEAR-INFRARED

\$ _____

2(b): PRICE INCLUDING NEAR-INFRARED

\$ _____

3. FIXED PRICE AMOUNT (MAXIMUM PRICE) FOR BUILDING REPRESENTATIONS:

\$ _____

4. FIXED PRICE AMOUNT (MAXIMUM PRICE) FOR DIGITAL TERRAIN DATA:

(Average of amounts in 4(a) and 4(b)):

\$ _____

4(a): PRICE INCLUDING ONE AND TWO FOOT CONTOURS

\$ _____

4(b): PRICE INCLUDING TWO AND FOUR FOOT CONTOURS

\$ _____

The Fixed Price Amount shall not increase during the term of the resultant Agreement.

2. OPTIONAL WORK

Provide the Fixed Hourly that may be applicable for providing Optional Work during the term of the resultant Agreement (enter amount and sign below).

FIXED HOURLY RATE \$ _____

The Fixed Hourly Rate shall not increase during the term of the resultant Agreement.

Signature

Date

Name

Title

Appendix D - Cost Proposal Worksheet

Oblique Images (See Exhibit B.1 to Appendix B)						
Task No.	Task Description	Unit	Units	Cost per Unit	Total Fixed Price Cost	
1	Provide and Configure Software	solution	1			
2	Provide Hosted Solution	solution	1			
3	Provide Oblique Images					
	Item 1: Community 2-way Images (2 from each direction) - Urban Areas	square miles	3330			
	Item 2: Community 4-way Images (3 from each direction) - Catalina	square miles	116			
	Item 3: Community 2-way Images (3 from each direction) - National Forest	square miles	967			
	Item 4: Neighborhood 4-way Images - Urban Areas & parts of Catalina	square miles	3326			
	Item 5: Neighborhood 8-way Images - Downtown	square miles	16			
	SubTotal for Oblique Images		n/a			
4	Provide Technical Support, Documentation and Training	n/a	1			
5	Correct Image Deficiencies				included	
					SubTotal:	
Orthogonal Images (See Exhibit B.2 to Appendix B)						
Task No.	Task Description	Unit	Units	Cost per Unit	Total Fixed Price Cost - Option A	Total Fixed Price Cost - Option B
1	Provide Project Work Plan	solution	1			
2	Provide Geodetic Control and Pre-Marking	GCP points	100			
3	Perform Aerial Triangulation	solution	1			
4	Provide DTM Updates - Project Area 1	n/a	n/a			
5a	Generate Ortho Imagery (True Color) - Project Area 1	square miles	3819			
5b	Generate Ortho Imagery with Near Infra-Red - Project Area 1	square miles	3819			\$ -
6a	Generate Ortho Imagery (True Color) - Project Area 2	square miles	1031.5			
6b	Generate Ortho Imagery with Near Infra-Red - Project Area 2	square miles	1031.5			\$ -
7	Provide DTM Updates - Project Area 2	n/a	n/a			
8	Correct Image Deficiencies				included	
					SubTotal:	
Building Representations (See Exhibit B.3 to Appendix B)						
Task No.	Task Description	Unit	Units	Cost per Unit	Total Fixed Price Cost	
1	Develop Project Work Plan	solution	1			
2	Update Building Representations	building	1			
					SubTotal:	
Digital Terrain Data (See Exhibit B.4 to Appendix B)						
Task No.	Task Description	Unit	Units	Cost per Unit	Total Fixed Price Cost - Option A	Total Fixed Price Cost - Option B
1	Develop Project Work Plan	solution	1			
2	Provide Digital Terrain Datasets (DSM, DTM and DEM) - Project Area 1	square miles	3819			
3A	Generate Contours with One Foot Interval - Project Area 1	square miles	3819			
3B	Generate Contours with Two Foot Interval - Project Area 1	square miles	3819			\$ -
4	Provide Digital Terrain Datasets (DSM, DTM and DEM) - Project Area 2	square miles	1031.5			
5A	Generate Contours with Two Foot Interval - Project Area 2	square miles	1031.5			
5B	Generate Contours with Four Foot Interval - Project Area 2	square miles	1031.5			\$ -
6	Correct Digital Terrain Data Deficiencies				included	
					SubTotal:	
Total for All Work						