



City of Cambridge

Purchasing Department

Cynthia H. Griffin
Purchasing Agent

To: All bidders
From: City of Cambridge
Date: January 22, 2010
Re: **File No. 5141, Photogrammetry and GIS Map Development, Addendum No. 1**

The following questions were submitted and answered.

Question

On page 18, item 3 are the respondents required to have 5 digital aerial projects that had all three elements, planimetric, topographic and orthophotography involved with them?

Answer

No, each project does not have to have all three elements in them, but they must have a total of 5 of each.

Question

On page 18, item 3 are 5 Digital aerial projects that have some but not all elements acceptable?

Answer

Yes, we are looking for 5 planimetric projects using digital aerial photography, 5 topographic projects using digital aerial photography and 5 orthophoto projects using digital aerial photography. Projects can have all three elements, two, or just one as long as there are 5 of each type.

Question

The capture rate form includes some features (e.g. patios) that are not in the database design. The database design includes many features (rail lines, traffic poles, manholes, firebox stands, guardrails, and others) not included in the capture rate form. Please confirm the features to be captured and how this should be addressed in our pricing and proposal response?

Answer

All features in the data model are to be captured. The capture rate form was not to be used as a qualifier for the project, but rather give us an idea of the capture rates of some selected features. Since this is a bid, the form does not factor into the selection of the vendor.

Question

Will any existing source data (other than roads which are identified in the database design) be provided for reference purposes? Specifically for the utility data, can the existing features be provided as reference?

Answer

Yes, the existing data (which includes utility layers) will be provided as a reference for the selected vendor.



Question

Is there a maximum flying height that is permissible for this project?

Answer

Because of the variety of large format digital cameras, a specific flight height is not defined. The flight height should be low enough to allow the creation of data to ASPRS Class 1 accuracy and the pixels in the raw photography should be smaller than 3". The proposed flight height should be stated and examples of orthophotography from similar projects should be supplied with the proposal.

Question

Please describe the expected level of fieldwork (if any) that is required?

Answer

There is no fieldwork required for this project other than ground control.

Question

Please provide a definition for mapping fireboxes.

Answer

Firebox stands are on sidewalks and hold fireboxes. They are easy to identify. We are not looking to map fireboxes on structures. These are listed in Attachment A, Layer 13.

Question

Our assumption for 3 examples (see page 18 – Section 2: Bid Submission Requirements) is that you are looking for a listing of 3 similar projects that meet the density of population requirements. Please confirm this understanding is correct.

Answer

Yes, we are looking for contractors and subcontractors to submit three examples each of successfully completed similar projects for cities in North America that meet the density requirements listed using softcopy photogrammetric technology. The project examples for the subcontractor can be the same as the Primary Consultant if applicable.

Question

On page 18 of the bid document, Question 1 you asked for 5 project examples and Question 2 you asked for 3 project examples. Is that the total number for both prime (Consultant) and subconsultants or do you want project descriptions from the Prime (Consultant) and separate project descriptions from the subconsultants (both submitting 5 for Question 1 and 3 for Question 2)?

Answer

On page 18, Bid Submission #1, The City asked for five references. The five references shall be from five projects for the Primary Consultant and for five references from the Sub Consultant.

Regarding Bid Submission #2, the Contractor shall submit three project examples and three project examples from the Sub Consultant.

Please note the references and the project examples for the subcontractor can be the same as the Primary Consultant if applicable.

All other requirements requested in Bid Submission #1 and Bid Submission #2 remain the same.

Question

Please confirm that we are to include a copy of the Invitation for Bid (Bid Form) as part of our proposal with each page signed.

Answer

Yes

Question

Since this is a bid when the bids are opened on 1/28 – will the fees be shared at this opening? As a bid, will the contract be awarded to the lowest price, provided the lowest price meets the qualifications stated in the bid document.

Answer

The bids will be opened and publicly read at the Office of the Purchasing Agent, City Hall, 795 Mass. Ave., Room 303, Cambridge, MA at 11:00 a.m. on **Thursday, January 28, 2010.**

One award will be made to the responsive and responsible bidder offering the lowest total price not including the Optional Services.

Question

Is there a mandatory format for the proposal?

Shall the numbered outline of the proposal requirements on page 18 be used as a format?

Are only 2 copies of the proposal required?

Is the tax compliance/antic-Collusion Statement, Cori Compliance Form required to be submitted with our response?

Answer

It is mandatory for the bidder to Answer Yes or No for the Quality Requirements. If a bidder responds with a no or fails to answer a Quality Requirement the bid will be rejected.

There is no mandatory format, however, the bid document must be submitted in its entirety with all information and forms filled out and no modifications to this document. Information requested to be submitted with the bid shall be attached to the bid document. Please do not submit your bid in a binder. Submit your bid in duplicate.

Question

Page 5, Section 1.1, Planimetrics Mapping. Please confirm whether this project is an update of previous mapping done in 2003 or does the City want brand new data. If this an update, is Attachment A the same feature and attribute design that was used for the existing data that the City has been using? If not, what changes have been made in Attachment A? In the same section, the optional topographic contours are requested at 2" contour intervals. In other parts of the bid package there is reference to 1' contours. Please confirm the topographic data (e.g. contour interval) that is required for this bid. Is the City looking to update existing topographic mapping or seeking completely new citywide contours?

Answer

- a. This will be brand new data
- b. The database design is completely different from what the City currently uses. The current data design will not be helpful for bidding purposes. Virtually every basemap feature has been redesigned. For an idea of what the data now looks like, visit the GIS data dictionary at: <http://gis.cambridgema.gov/DataDictionary/FrontPage.html> .
- c. The optional topographic contours are 2 foot contour interval. The reference to 1' contour interval in Attachment A, and on the 'Optional Services' section of the price proposal on page 19 is a typo.
- d. The City is looking for new citywide contours.

Question

Page 11, Section 2.10 – Please confirm that the comments made in the DB design in Attachment A are what we use as guidelines for features that are only to be mapped on public property and public right of ways. If Attachment A is not be used as a guideline for this data requirement, please clarify what features are required that appear on public property and public right of ways.

Answer

Yes, in Attachment A, only the features with the text 'Features only to be captured within city public ways and properties. Refer to Attachment D' are to be mapped only within public property and public right of ways. There are 6 of these, 5 in the INFRA feature class, and 1 in TREES. Street-trees also fall in this category and we will supply the selected vendor with a reference file of existing trees mapped.

Question 4 - Page 11, Section 2.12.1 – who is the City's QA/QC consultant?

Answer 4 – Applied Geographics, Inc., Boston, MA.

Question

Page 13, Section 4.7 – Can we have a clear definition of what impervious surfaces are required to be included in this option? Do we use Attachment A as a guideline for the type of impervious surface data that is required.

Answer

Please use the features in Attachment A as a guideline for impervious surfaces. It is anticipated no new features will be mapped for this layer, however it will be a compilation of citywide features mapped in the base map layers. We will confirm with the selected vendor which planimetrics features will be included in this layer.

Question

Page 19, Optional Services – Please confirm that there is a typographical error with 1-2" (this implies inches, not feet). As noted in a question above, is the City looking for 1 or 2' contour intervals. If the City is looking for prices on both, should the price be modified to reflect these 2 options?

Answer

There is a typographical error in the 'Optional Services' section of the price proposal on page 19. It should read "Option 1 – 2' contours and spot elevations including additional data work up". We are looking for a price for topographic layers with only a 2 foot contour interval.

Question

Attachments C and D – Can we get these maps in GDB or similar electronic format to aid our bid response?

Answer

The maps are available in PDF format as an attachment to the bid document posted on the website. They are not available in geodatabase (GDB) format.

Question

Who performed the 2008 LiDAR services for the City?

Answer

Sanborn

The deadline for questions and answers are closed. All other details remain the same



CYNTHIA H. GRIFFIN
PURCHASING AGENT

ADDENDUM NO: 1