



PROCUREMENT SERVICES SECTION
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ADDENDUM #2

REQUEST FOR PROPOSALS (RFP) No. : 1220-030-2023-010

TITLE: TRAFFIC COUNT VIDEO PROCESSING SERVICES

ADDENDUM ISSUE DATE: May 1, 2023

on or before the following date and time

REVISED CLOSING TIME: Time: 3:00 p.m., local time

Date: May 9, 2023

INFORMATION FOR PROPONENTS

This Addendum is issued to provide additional information to the RFP for the above-named project, to the extent referenced and shall become thereof. No consideration will be allowed for extras due to the Proponent not being familiar with this Addendum. This Addendum No. 2 contains seven (7) pages in total.

1. REVISED CLOSING DATE

Refer to Section 2. Instructions to Proponents

Delete section 2.1 Closing Time and Address for Proposal in its entirety and substitute with the below:

2.1 Closing Time and Address for Proposal Delivery

The Proponent should submit the Proposal **electronically** in a single pdf file which must be delivered by email at: purchasing@surrey.ca

on or before the following date and time

Time: 3:00 p.m., local time

Date: May 9, 2023

(the “Closing Time”).

Confirmation of receipt of email will be issued. Proposals that cannot be opened or viewed may be rejected. A Proponent bears all risk that the Owner’s receiving computer equipment functions properly so that the Proposal is received by the Closing Time.

Note: The maximum file size the Owner can receive is 10Mb. If sending large email attachments, Proponents should phone [604-590-7274] to confirm receipt.

2. Refer to Schedule C – Form of Proposal:

Proponents are reminded of the downloadable Schedule C-3-1 (Traffic Count Video Processing Services Requirements Response Form) and Schedule C-5-1 (Financial Worksheet (Cloud Computing Example). Instructions for download are provided in the respective sections of the Schedule C.

3. Refer to SCHEDULE A – SCOPE OF SERVICES

Add Section: 6. OUT OF SCOPE

Provision of additional cameras, installation and manual counts is not part of the scope of Services. The City will be collecting the raw data from their existing cameras and supplying the video footage to the Proponent for processing.

QUESTIONS AND ANSWERS:

Q.1. While the project requirements are within our capabilities since the video will be coming from existing cameras we need to see the views (as short video clips or at least screenshot images) to assess the applicability of our product to those camera views.

A.1. Attachment 1 in this Addendum contains screenshots of our current cameras for reference only. Please note that the camera view, angle, lighting, and weather conditions necessary for video processing and counts may differ from those shown in the provided screenshots.

Additional screenshots of the City’s cameras are available on the City’s Traffic Data Hub for view:

<https://surrey.maps.arcgis.com/apps/MapSeries/index.html?appid=e55ffc744c15473a8a638d47a9d95d01>

Q.2. I saw this was a RFP to process videos and was trying to figure out how many hours of video data are to be sent to us to process the data.

A.2. The City is conducting several traffic studies which require processing variable amounts of video footage, depending on the season and workload. The length of video footage can also vary, with some studies being up to 72 hours or more. On average, we process 10-15 studies per week, but this number and frequency can fluctuate.

Q.3. ...As we are currently in the midst of our peak data collection season and we require more time to put together a thoughtful and detailed response to the City, we respectfully request a minimum two (2) week extension, and preferably four (4) week extension, to the submission deadline.

A.3. See above Clarification 1. to Proponents.

Q.4. Does the City have a defined budget or not to exceed dollar amount?

A.4. The City is not releasing budgetary information.

Q.5. Is it required that the vendor be able to support field data collection efforts with staff on the ground?

A.5. See above Clarification 3. to Proponents.

Q.6. The proposal states on page 40 (3.1) that "Time is of the essence". Does the city have a model implementation timeline or other timebound objectives that proposing vendors should be aware of?

A.6. The City is planning to begin the project at the earliest opportunity and to be proactive in completing the setup ahead of the summer season.

Q.7. Will the City consider reducing its cyber security policy minimum to \$1,000,000? Does Umbrella coverage of \$5,000,000 sufficiently meet the general liability insurance requirement?

A.7. Refer to Section C-1 of Schedule C of the Form of Proposal. This section provides the opportunity for Proponents to make comments regarding contract terms. If a Proponent requests consideration of any contract amendments, their Proposal should so indicate for the City's review and consideration.

Q.8. The RFP mentions an average of 300 TMC studies per year in the introduction of the RFP. Can the City confirm whether the financial proposal must budget for video processing fees, or will the City pay processing fees separately from this contract? For example...charges [per hr for] video processing. Is this fee to be accounted for in the financial proposal?

A.8. The financial proposal must account for all associated fees for processing the video requests. Please reference the downloadable Schedule C-5-1 for an example for the financial worksheet. The City processes 300 TMC studies per year on average but can expect an increase in the number of video requests to be processed based on seasonal demand and growth in infrastructure development.

Q.9. The RFP quantifies an average number of 300 TMC per year, however other street level traffic data collection activities that are listed in Schedule C are not quantified (mid-block counts, pedestrian counts, cyclist path counts, roundabouts, OD studies and travel time studies). Can the City confirm whether the services contract for each year must include the actual video processing costs for the other types of video based studies? If so,

estimated quantities of each study type are required in order to account in the financial proposal for the services.

A.9. Cost breakdown for all different type of studies is preferred for proper evaluation. The estimated quantities can vary based on demand; therefore, the total cost estimates can be provided on a per study basis or per hour basis.

Q.10. Travel time counts, speed studies and OD counts are not video based in nature, but rely on other hardware technology including bluetooth sensing technology and license plate recording technology. Can the City clarify whether it intends to provide that type of data to the vendor for incorporation into the software system that will then generate the required reports, or is it looking to the vendor to provide a solution outside the scope of this current RFP for future consideration?

A.10. The City currently uses a combination of Bluetooth sensor technology and portable sensor technology to collect travel time counts, OD counts, and speed data. This information will be made available to the awarded Proponent for processing, contingent upon the service request.

Q.11. The City mentions that it maintains 6 Miovision Scout cameras, and other video cameras. Can the City confirm how it is collecting speed, OD and travel time studies with the equipment it currently maintains? Is there other equipment it uses for the collection of these types of non-video studies?

A.11. The City currently uses a combination of Bluetooth sensor technology and portable sensor technology to collect travel time counts, OD counts, and speed data.

Q.12. The City indicates that it maintains a fleet of other "video cameras". Can the City confirm the manufacturer of the other video cameras and provide a sample video on its FTP site for download and review including file naming convention?

A.12. City owned traffic signal mounted cameras consists of Axis Communications and Avigilon camera models.

A full list of camera model numbers currently used in the City is listed below:

- Axis 233D
- Axis M3058-PLVE
- Axis P3367
- Axis Q6000-E MK II
- Axis Q60 Series PTZ
- Axis Q61 Series PTZ
- Avigilon 24C-H4A-3MH-270
- Avigilon 32C-H4A-4MH-360
- Avigilon H4 IR PTZ

Due to privacy concerns, the City is unable to provide a sample video for review. Still images from both City owned video cameras as well as Scout cameras are provided in Attachment 1.

- Q.13.** The City indicates that it expects an increase in demand for data collection services. Does the City intend to continue to maintain and / or expand its existing Miovision Scout or other cameras? If so, which platform does it intend to continue to support, the Scout camera or the "other camera"?
- A.13.** Due to growing demand for transportation data collection and processing to support City's both current and future development needs, the City anticipates an expansion of existing Miovision Scout cameras as well as City owned traffic signal mounted cameras on its current platform. The camera expansion is not part of this RFP per clarification 3. above.
- Q.14.** The City states on page 15 of the RFP that the "software generates report and interface generating performance measures and indicators". Can the City confirm whether the current software in use is based on the Miovision Traffic Data Online or Central platform? If yes, can the City provided example reports / samples illustrating the "performance measures and indicators"?
- A.14.** The current manual data processing limitation has prompted City to seek a vendor with a capability to produce reports and interface that can generate performance measures and performance indicators from the processed data to provide visual data insights. Proponents are encouraged to provide examples of reports that would best demonstrate the Functional and Technical Requirements (reference Schedule C-3, (vi)).
- Q.15.** Will the City of Surrey allow the successful proponent to negotiate in good faith the terms and conditions of the contract? We have a standard disclaimer on our RFP responses that enables negotiations in good faith if we are successful. Will such a disclaimer disqualify a proponent from consideration?
- A.15.** Refer to Section C-1 of Schedule C of the Form of Proposal. This section provides the opportunity for Proponents to make comments regarding contract terms. If a Proponent requests consideration of any contract amendments, their Proposal should so indicate for the City's review and consideration.
- Q.16.** Given the nature and number of mandatory and preferred requirements in Schedule 1-A, we are requesting a one-week extension for this RFP response.
- A.16.** See above Clarification 1. to Proponents.
- Q.17.** In regards to the quality of the video which the city has identified it will provide for this data processing/analysis. (800x450 or 4CIF resolution and 8 frames per second in H.264/H.265)
- (a) Is this the quality of video provided by their stationary traffic camera? Or the resolution of the Miovision Scout cameras?
- (b) Either way, is it possible to provide higher resolution or higher frame rate video data for this analysis? Our solution typically requires 720p resolution and 10FPS (frames per second) in order to provide the 13 object classifications that we provide. At lower resolutions it's more difficult to perform bicycle, e-scooter, & motorcycle distinctions and our classification accuracy would suffer.

A.17.

- (a) The 800x450 or 4CIF resolution and 8 frames per second quality is for the City's traffic cameras.
- (b) Due to privacy and bandwidth considerations, the use of higher resolution and frame rates will require further investigation and at this time, the City cannot commit or guarantee in being able to provide higher resolution videos to the Proponent for processing. Proponents are referred to Schedule C-1 of Schedule C of the Form of Proposal to note specification departures/alternatives for the City's review and consideration.

Per requirement#1016, Proponents are to confirm that their software is compatible with higher resolution and frame rates should the City increase recording resolution and frame rates in the future.

Q.18. We respectfully request a 2 week extension to the closing of the tender. There are a great deal of technical requirements listed and this additional time will allow us to properly analyze and address each of them in detail in our technical proposal.

A.18. See above Clarification 1. to Proponents.

ATTACHMENT 1



*annotations are not included in the video footage being provided.

- END OF ADDENDUM -

All Addenda will become part of the RFP Documents.