6. Can you provide specific information on the average distance between the eyes for frontal mugshot photos?

7. Can you provide sample images from the current system from both the intake digital camera and the mugshot photos?

8. The Invitation for Responses (IFR) indicates that this procurement is being conducted as a Bid under the laws of the Commonwealth of Massachusetts. Is that correct?

9. If that is correct, will all of the submitted Bids be opened and the total costs for each submission announced on January 6, 2010 at 2:00 PM?

10. What process will occur during the period from January 6, 2010 (when the Bids are received) and January 18, 2010 when the Award Notification will be made?

11. What process will be used, and who will participate in the process of determining the responsible and responsive bidder having the lowest Bid Total?

12. Will the member Sheriffs, who comprise the Massachusetts Sheriffs' Association, be involved in this process? Will the member Sheriffs vote to determine which vendor will be awarded the contract based on the responsible and responsive bidder having the lowest Bid Total?

Thank you, in advance, for your answers to these questions. Please confirm by either a phone call, email or fax that you have received these questions properly.

If it is more convenient, please feel free to email (██████████████████████) or fax your answers to me at 508 ████████ 1.

1. A How many records on the system? - **80,000**

   B What is the match rate? We don't have specific data for the ECSD system.

   C What is the match speed? With your current configuration, it takes approximately 6 seconds to perform the comparison and return results. We are told that other agencies with millions of images in their databases and are getting search results within approximately 15-20 seconds. To a large extent, we are told, it is a function of the amount of hardware you put on it.

2. What is the network protocol used to send and return results? The network protocol for send and receive results from SIRS to the facial recognition server is FTP. The network protocol from the end users (Police Departments) to the server is TCP/IP.

3. Are the user interfaces (both the current Windows workstation software and web-based software) currently integrated with the SIRS application and system? The user interfaces of the SIRS and L-1 (Viisage) FR systems are not integrated, but we have a process that runs in the background to bring the SIRS data over to our system.

4. Must the proposed bid include a replacement facial recognition server and/or camera for the Essex County Sheriff's Department or do you intend on using the existing hardware? The Department intends on using the same equipment if possible. If the bidder cannot use this equipment, he must provide substitute equipment as part of the bid. If the Department chooses to upgrade this equipment at a later date, than the Department will bear the cost.

5. What is the resolution of the video camera currently being used to take the mug shot photos?

Dimensions: 624x468 pixels
Horizontal Resolution: 26 dpi
Vertical Resolution: 20 dpi

Property	Value
Image	
Width	624 pixels
Height	468 pixels
Horizontal Resolution	26 dpi
Vertical Resolution	20 dpi
Bit Depth	24
Frame Count	1

6. Can you provide specific information on the average distance between the eyes for frontal mug shot photos? The Department estimates 80 pixels between the centers of the eyes.

7. Can you provide sample images from the current system from both the intake digital camera and the mug shot photos?

No. Because of the Massachusetts Cori law and confusion over mock photos, the Department will not provide samples. The photos taken by the digital cameras at Intake are processed through the SIRS system. These images are then transferred to the L-1 (formerly Viisage) face recognition system by a job that Viisage created which runs in the background on the facial recognition system.

8. See bid documents.

9. See bid documents.

10. See bid documents

11. See bid documents

12. See bid documents

The Commonwealth of Massachusetts

Essex Sheriff's Office

FRANK G. COUSINS, JR.
SHERIFF

POST OFFICE BOX 807
20 MANNING AVENUE
MIDDLETON, MA 01949-2807

TELEPHONE
(978) ███████
FAX
████████

Addendum #3

Upgrade and Expansion of Facial Recognition System Bid
January 12, 2010

1. Please see and review the attached questions that were submitted in writing by BI Technologies, and the answers that we have provided.
2. Please remember to acknowledge all addenda on the line provided on the revised Bid Form.
2. All other specifications remain unchanged.

▦ BI² TECHNOLOGIES
Biometric Intelligence & Identification Technologies

SENT BY FAX: 978-750-1999

Dennis F. Daly
Assistant Fiscal Director
Essex County Sheriff's Department
20 Manning Road, P.O. Box 807
Middleton, Massachusetts 01949

Re: Written Questions
Invitation For Responses
Upgrade and Expansion of Facial Recognition System for the
Massachusetts Sheriffs' Association

Dear Mr. Daly:

Thank you for hosting my colleagues during the Mandatory Site Visit on December 17, 2009.

As discussed at the meeting, and based on your instructions, we are respectfully requesting your formal answers to the following questions:

1. Can you provide us with data on the status and performance characteristics of the current system? Specifically, can you please tell us:

   a. how many records (images) are currently in the system;
   b. what is the match rate; and,
   c. what is the match speed?

2. What network protocol is used to send the images and return results?

3. Are the user interfaces (both the Windows workstation software and the web-based software) currently integrated with the SIRS application and system?

4. Must the proposed bid include a replacement facial recognition server and/or camera for the Essex County Sheriff's Department or do you intend on using the existing hardware?

5. What is the resolution of the video camera currently being used to take the mug shot photos?

488 State Road • Plymouth • Massachusetts 02360

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If it is more convenient, please feel free to email (████████████████) or fax your answers to me at 508-██████.

Sincerely,

Sean G. Mullin
President & CEO
BI2 Technologies

Cc: Peter Y. Flynn
       Bill Hoffman

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