

Oakland County

Department of Information Technology

Project Scope and Approach

Project Name: Integrated Biometric Identification Project

Project ID: D44431IB

- Use the Identix IBIS backplane architecture for delivery of data and encryption protection.
- Use of a local AFIS at the central site to provide identity lookup.
- Use of a local image base to confirm image identification.
- Process requests for identification, submit the request to a back-end system for processing and return a response to the officer on the street.

Approach

- Create a technical design document depicting the overall system details.
- To create and RFP for the delivery of a local AFIS and IBIS hardware and software.
- Select a vendor for the delivery of AFIS and IBIS hardware and software.
- Review and approve the vendor's system design document.
- Provide project management.
- Secure law enforcement agency cooperation to participate in the pilot project.
- Work with the State Police to deliver an initial fingerprint image base of 650,000 records.
- Work with the vendor to provide full integration with the Identix central site Live Scan equipment for the purpose of continuously populating the AFIS with incoming records.
- Work with the vendor to provide full integration with the Dynamic Imaging mugshot system for the purpose of obtaining additional subject information from the State Police CCH / AFIS system.
- Work with the vendor to Install and integrate the IBIS central site server to communicate with the AFIS and RDT devices.
- Work with the vendor to configure their Remote Data Terminals to communicate via our wireless communications architecture.
- Determine and implement any changes in the present Live Scan central site equipment needed to support the Remote Data Terminal System.
- Determine desired use and/or disposal of photo images taken of the subject.
- Determine desired use and/or disposal of fingerprint images obtained from the subject.
- Assist with and facilitate an on site technical review of the project plan in preparation for completing the system design document.
- Provide technical resources as needed for the initial installation of the central site equipment (AFIS, IBIS server,)
- Provide vendor access to the central site equipment.
- Identify and make available personnel for training on the Remote Data System units.
- Identify and make available for training central site personnel for training on the IBIS and AFIS server.

Benefits

The intent of the proposed system is to provide an 'in field' method of identifying subjects, by capturing fingerprints and photos for electronic submission to the central site. The proposed field identification system will use hand held devices to capture fingerprints and photo images of the subject, and wirelessly transmit the appropriate information to the central site. At the central site an AFIS will respond, without human intervention, to fingerprint identity requests through the IBIS central site server. Agency Live scan systems currently in place will routinely

**Oakland County
Department of Information Technology
Project Scope and Approach**

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submit fingerprint data on line, updating the AFIS via the central site Live Scan equipment.

Due to the CDPD / GPRS modem being built into the hand held units, this portable capture device offers law enforcement officers the ability to identify individuals and obtain supporting information without returning to the vehicle. The operator directs the hand held device at the subject and captures a photo image. Following the capture of a subject photo, the subject finger(s) is placed on the platen and a finger image is captured and downloaded via wireless link to the IBIS Central Site Server. The IBIS server is at the heart of the system directing communication between requests, data collection and database interfaces. The IBIS server employs real time data update and system auditing.

Officers can sequentially process multiple subjects without waiting for a response from the central site equipment. Transmission and central site identity searches are performed in the background while the operator captures the next photo and finger image. Results from the central processing site are automatically returned to the hand held unit, as they become available. Identification results transmitted to the hand held units for the operators viewings are linked to the subject photos, which were previously captured at the scene with the fingerprint. This allows the operator to easily link the returning information to the correct subject, if more than one subject were processed at a location or incident.

Additional areas of desired functionality will likely be identified during the implementation of the pilot project.

- Determine which agencies will receive the hand held identification devices.
- Monitor the project for identification times and rates.

Impact

Number of Users 50+

Divisions

Leadership Groups CLEMIS

Risk

Business Environment Medium – Project will require some changes to existing business processes.

Technical Environment High – new or non standard technology

**Oakland County
Department of Information Technology
Project Scope and Approach**

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Project ID: D44431IB

Assumptions

The State Police will supply us with an initial download of fingerprint images. That the existing wireless architecture will support the transfer of fingerprint images.

Staffing

Resources will be available for the hours indicated per the attached project plan. The following roles and resources' availability will be as follows:

| <u>Role:</u> | <u>Name</u> | <u>Hours per Day</u> |
|--------------------------|--------------------|-----------------------------|
| Project Sponsor: | Bob Daddow | As needed |
| Project Manager: | Lt. Kim G. Rossman | 4 hrs per day |
| Data Base Administrator: | Gary Whitlock | 3 hrs per day |
| Network Specialist | Sharon Gerweck | 3 hrs per day |
| Technical Specialist | Tim McRae | 2 hrs per day |

Facilities

- I.T. will supply space, networking and power to accommodate the server required for this project
- The vendor's project staff will have access to the computer room.

Technical

- The fingerprint capture protocols supplied by the vendor produce identifiable impressions.
- The database size is sufficient to support identification 80% of the time.

Funding

- The funding sources are two Federal Appropriations budget earmarks for this project. The Dept. of Justice project number for 2004 is 2004-DD-BX-1398

Other

**Oakland County
Department of Information Technology
Project Scope and Approach**

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Project ID: D44431IB

- Developing Roles and Responsibility for both the vendor and I.T. staff relative to the ongoing support of the system.

Priority 6

Constraints

- Delays in developing the RFP, Project design to the vendor.
- Inaccessibility of the I.T. staff to provide technical support.

Exclusions

- This is a pilot project to be deployed to a predetermined number of law enforcement agencies.

**Oakland County
Department of Information Technology
Project Scope and Approach**

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PROJECT PHASE AUTHORIZATION

| | | |
|---|-------------------|-----------------------|
| Phase(s): Project Management, Business System Design, and Technical Design | | |
| Total Estimated Application Services | Hours: | Cost: |
| Total Estimated Technical Systems | Hours: 266 | Cost: \$11,224 |
| Total Estimated e-Government | Hours: | Cost: |
| Total Estimated CLEMIS | Hours: 715 | Cost: \$0 |
| IT Application Services Division Manager Approval: | | Date: |
| IT Technical Systems Division Manager Approval: | | Date: |
| IT DISC Division Manager Approval: | | Date: |
| IT CLEMIS Division Manager Approval: | | Date: |
| IT Internal Services Division Manager Approval: | | Date: |
| IT Resource Manager Approval: | | Date: |
| IT Resource Manager Approval: | | Date: |
| IT Resource Manager Approval: | | Date: |
| IT Resource Manager Approval: | | Date: |
| IT Resource Manager Approval: | | Date: |
| IT Management Approval: | | |
| Approved: Yes No | | Date: |
| Reason: | | |
| Project Sponsor Approval: | | |
| Title: | | Date: |

PROJECT SUMMARY

| | | |
|--|-------------------|-----------------------|
| Authorized Development (see above) | Hours: 982 | Cost: \$11,224 |
| Preliminary Estimated Development for Future Phases | Hours: | Cost: |
| Grand Total Estimated Development | Hours: 982 | Cost: \$11,224 |

**Oakland County
Department of Information Technology
Project Scope and Approach**

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PROJECT COMPLETION AUTHORIZATION

| | |
|--|-------|
| Customer Acceptance of Product: | |
| Title: | Date: |
| Project Office Review: | Date: |