

Oakland County

Department of Information Technology

Project Scope and Approach

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D46431I2

- 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

- Implement the system described in the technical design document depicting the overall system details developed in the first phase of this project.
- 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

Oakland County Department of Information Technology Project Scope and Approach

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D46431I2

IBIS central site server. Agency Live scan systems currently in place will routinely 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**

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D46431I2

Assumptions

Staffing IT Staffing: resources will be available for the hours indicated per the attached project plan.

Other Staffing: additional staffing will be available as follows:

<u>Role:</u>	<u>Name</u>	<u>Hours per Day</u>
Project Sponsor:	Bob Dadow	As Needed

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

- Federal Grant 2004DDBX1398
- Federal Grant 2005-CKWX0192
- Federal Grant 2006-CKWX0030

Other

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

Priority

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

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D46431I2

Constraints

- Delays in developing final design to the vendor
- Inaccessibility of IT staff to provide technical support

Exclusions

- None

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

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D46431I2

PROJECT PHASE AUTHORIZATION

Phase(s): All	
Total Estimated Application Services	Hours: Cost:
Total Estimated Technical Systems	Hours: 265 Cost: \$4,636
Total Estimated eGovernment Services	Hours: Cost:
Total Estimated CLEMIS	Hours: 1,632 Cost: \$11,000
Total Estimated Internal Services	Hours: Cost:
IT Application Services Division Manager Approval:	Date:
IT Technical Systems Division Manager Approval:	Date:
IT eGovernment Services Division Manager Approval:	Date:
IT CLEMIS Division Manager Approval:	Date:
IT Internal Services Division Manager Approval:	Date:
IT Management Approval:	
Approved: Yes No	Date:
Reason:	
Project Sponsor Approval:	
Title:	Date:

PROJECT SUMMARY

Authorized Development (see above)	Hours: 1,897	Cost: \$15,636
Preliminary Estimated Development for Future Phases	Hours:	Cost:
Grand Total Estimated Development	Hours: 1,897	Cost: \$15,636

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

Project Name: AFIS Portable ID Project (IBIS Phase II)

Project ID: D4643112

PROJECT COMPLETION AUTHORIZATION

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