



**Return on Investment Program  
FYs 09, 10, 11 and 12 Project Status Report  
12/28/11**

DAS is required to report on projects funded through the Return on Investment Program (ROI). The ROI program has been funded through an appropriation from the Technology Reinvestment Fund. The Technology Reinvestment Fund was created during the 2006 legislative session, and the first appropriations from this fund were for FY 2006-2007. The first report related to that fiscal year and was delivered to the legislature by January 1, 2008. This current report updates projects from the following fiscal years. Following is the section of the Code for the report excerpted from 8.57C:

*Annually, on or before January 15 of each year, a state agency that received an appropriation from this fund shall report to the legislative services agency and the department of management the status of all projects completed or in progress. The report shall include a description of the project, the progress of work completed, the total estimated cost of the project, a list of all revenue sources being used to fund the project, the amount of funds expended, the amount of funds obligated, and the date the project was completed or an estimated completion date of the project, where applicable.*

Each project that received funding through the ROI program for the fiscal years contained in this report completed the following items. Where applicable, the ROI records for each project were used to complete items from Budget Offer and I/3 budget information.

- Project Name and Description
- All Revenue Sources for Funding
- Agency Submitting Request
- Percent of Completed Work
- Total Estimated Project Cost
- All Revenue Sources for Funding
- Expended Funds
- Obligated Funds
- Estimated Completion Date

DAS collected these data items for all applicable ROI projects and sent the completed report to the following parties on December 15, 2011 before the filing deadline of January 15, 2012:

Legislative Services Agency  
Department of Management

This table includes ROI reimbursements processed through DAS Finance, as of December 28, 2011.

**Table A: FY 09 ROI Project Expenditures**

<b>Project Name</b>	<b>Agency</b>	<b>% Complete</b>	<b>Original Request</b>	<b>Adjusted Request</b>	<b>Expenditures to-date</b>	<b>Obligated Funds</b>	<b>Estimated Complete Date</b>
WebEOC: Iowa Crisis Information System	Homeland Security/ Emergency Management	70%	\$ 150,000	\$ 100,500	\$ 70,610	\$ 29,890	6/1/12
LiDAR (Light Detection & Ranging)	Natural Resources / Transportation	100%	\$ 650,000	\$ 650,000	\$ 650,000	\$ 0	<b>Complete</b>
Living Disaster Recovery Planning System	Homeland Security/ Emergency Management	100%	\$ 256,000	\$ 171,520	\$ 171,520	\$ 0	<b>Complete</b>
Security Event & Information Management	Administrative Services	92%	\$ 201,000	\$ 170,850	\$ 156,763	\$ 14,087	6/30/12
Law Enforcement Data Exchange	AG's Office	75%	\$ 25,000	\$ 25,000	\$ 18,640	\$ 6,360	6/30/12
Electronic Records Management	Natural Resources / Transportation	100%	\$ 95,000	\$ 95,000	\$ 89,590	\$ 0	<b>Complete</b>
Iowa Criminal Offender Network	Corrections	100%	\$ 600,000	\$ 500,000	\$ 500,000	\$ 0	<b>Complete</b>
Property Tax & Local Government Finance Information	Revenue	100%	\$ 323,000	\$ 273,000	\$ 248,639	\$ 24,361	<b>Complete</b>
Comprehensive Electronic Grant Management	Management	100%	\$ 500,000	\$ 455,000	\$ 455,000	\$ 0	<b>Complete</b>
Appeals Process Automation	Human Services	100%	\$ 250,000	\$ 225,000	\$ 225,000	\$ 0	<b>Complete</b>
Law Enforcement Data Collection	Natural Resources	100%	\$ 289,923	\$ 275,000	\$ 275,000	\$ 0	<b>Complete</b>
IABC Technology Enhancement	Human Services	100%	\$ 552,000	\$ 475,000	\$ 475,000	\$ 0	<b>Complete</b>
Electronic Data-Filing Project	Human Services-CSR / Judicial	100%	\$ 357,865	\$ 237,372	\$ 237,372	\$ 0	<b>Complete</b>
Employee Management System	Administrative Services	100%	\$ 150,000	\$ 135,000	\$ 135,000	\$ 0	<b>Complete</b>
Reallocated FY 09 funds – Employee On-Boarding	Administrative Services	100%	\$ 0	\$ 5,410	\$ 5,410	\$ 0	<b>Complete</b>
Electronic Health Record Initiative	Iowa Veterans Home	100%	\$ 278,063	\$ 192,013	\$ 192,013	\$ 0	<b>Complete</b>
<b>TOTALS</b>			\$ 4,677,851	\$ 3,980,255	\$ 3,905,557	\$ 74,698	

**FY 09 appropriation within the Technology Reinvestment Fund to the Department of Administrative Services for technology improvement projects was \$3,980,255.00**

**FY 09 ROI funds revert on June 30, 2012**

## Table B. FY 09 ROI Project Descriptions and Funding Sources

### 1. WebEOC: Iowa Crisis Information System

Homeland Security project to support and expand the WebEOC software used to coordinate information sharing of state agencies and local governments during disasters. The project will upgrade equipment, customize the application, and purchase additional licenses of this enterprise-wide tool used in emergency response and recovery. Expanding the software will benefit Iowa's emergency management community and related emergency management preparedness efforts by providing a secure application for information sharing; enabling users to post and access information during an emergency; providing deployment and customization for the user through links to documents, current systems, and websites; and allowing enhanced access to information.

**Funding Sources:** Federal Emergency Management Performance Grant funds are being utilized to maintain the project/system.

### 2. LiDAR (Light Detection and Ranging) Project

Natural Resources project to partner with Transportation, Agriculture and Land Stewardship and Natural Resources Conservation Service to collect LiDAR (Light Detection and Ranging) data for the entire state. LiDAR technology uses laser pulses from an airplane to calculate very accurate elevations. LiDAR technology has the potential to save Iowa's local, county, state, and federal governments valuable resources by providing a low cost alternative to traditional land-surveys conducted for planning purposes.

**Funding Sources:** Currently, partnerships among IDOT, IDNR, NRCS, and IDALS have committed the funds needed to acquire the LiDAR data (\$4.3 million) and a small portion of the needed photography (\$0.2 million). FY09 Pooled technology funds of \$650K were used to fund the high-resolution aerial photography to compliment the LiDAR elevation data and also for infrastructure enhancements to accommodate the associated storage of the photography data.

Partner agencies have committed \$4.5 million:

IDOT	\$1.5 million
IDNR	\$1.2 million
NRCS	\$1.0 million
IDALS-DSC	\$0.6 million
USGS	\$0.2 million (for aerial photography)

### 3. Living Disaster Recovery Planning System (LDRPS)

This is a continuation of the FY08 ROI Project to help state agencies develop continuity of operations (COOP) plans using Living Disaster Recovery Planning System (LDRPS), a software tool used for the development and maintenance of continuity plans. The ROI funds for this project are used for continuing technical support and enterprise-wide implementation of the tool. Implementation includes migrating existing continuity plans (in MS Word) throughout the enterprise into LDRPS and subsequent maintenance and enhancements occurring through direct agency-level interface with the plan management tool.

**Funding Sources:** Besides the ROI funds, federal Emergency Management Performance Grant funds have been used in this initiative. EMPG funds have been used to pay for state personnel to manage the project.

#### **4. Security Event & Information Management**

Administrative Services project to architect, evaluate, purchase, install and configure a Security Event and Information Management (SEIM) tool for Intrusion Detection Systems (IDS) log monitoring, analysis and reporting. The SEIM tool will provide coverage across state government to effectively monitor the enterprise-wide environment. Monitoring of IDS and other logs will identify: critical events like “hacking” attempts, recognize excessive e-mail or other data traffic resulting from a malicious program, maintain a forensic record of a security incident for law enforcement, discover system problems affecting performance, and other events.

**Funding Sources:** Direct funding for this project provided entirely by the FY 09 ROI program. Indirect funding utilizing internal staff resources to evaluate and implement a solution.

#### **5. Law Enforcement Data Exchange Project**

AG's Office project to supplement the grant funds implementing the Iowa County Attorneys' Case Management Project. This project consists of county attorneys dedicated to improving the efficiency and effectiveness of services in Iowa county attorney offices, as well as improving services to victims and other justice agencies. The project is accomplishing these goals by adopting a common case management application (ProLaw); integrating word processing, calendaring, and imaging functions; and exchanging data with other justice agencies.

**Funding Sources:** ROI, CJIS, and the AG's Office general fund appropriation.

#### **6. Electronic Records Management System**

Natural Resources pilot project in conjunction with Transportation for exchanging documents to test utilizing one document management system for both agencies. An electronic document management system will enable converting paper documents into electronic format. The system will: allow documents or photographs to be digitized, stored, and accessed for conservation and recreation purposes as well as environmental enforcement; allow scanning the paper records into digital format, then the categorization and indexing of all documents for organization and storage in a content repository; allow search mechanisms to quickly find and retrieve specific documents; and allow automated addition, deletion and update of records in a secure environment with proper authentication.

**Funding Sources:** Direct funding for this project was provided by ROI funds. Indirect support was provided by the DOT and the DNR in staff time for project architecture, training, guidance, and scanning. Future costs for equipment and software maintenance will be DNR's responsibility.

#### **7. Iowa Criminal Offender Network (ICON)**

Corrections project to further expand the ICON system, the offender management system for the agency. ICON is a key component of the Governor's and Chief's data sharing initiative for all criminal justice agencies across Iowa. Continued expansion of ICON will further decrease the recidivism rate in the state.

**Funding Sources:** Of the total funds allocated for ICON in FY 09, 54% of the funds were from the ROI program and 46% were from the general fund appropriation.

#### **8. Property Tax & Local Government Finance Information & Analysis**

Department of Revenue project to create an electronic information system for reporting and analysis of property tax data from across the state. The initiative includes the electronic reporting by county of various property tax valuation reports. The solution will permit local governments to share a sampled selection of property valuation data at the individual property (i.e. parcel level), and IDR will have the capability to automate the collection of data used in computing agricultural property valuations across the state. The electronic filing of summary reports will provide local officials with increased efficiency in the reporting of the data and will increase the effectiveness of IDR staff in compilation and validation of the information reported.

Another benefit of the installation of advanced analytical and reporting software will be to increase the availability of the significant amounts of property tax data for policy analysis by local officials, state policy makers and citizens.

During FY 10, IDR completed the design of the new online filing system for Declaration of Value documents submitted to the agency. The project is now in a pilot phase seeking comment by test counties. At same time the department further refined the processes it had created in FY 09 for electronically sharing information with local assessors. Applications to allow remote queries to the data are developed and during FY 11 IDR intends to further utilize the tools acquired from these solutions.

**Funding Sources:** The funds allocated by the Pooled Technology program are being used to fund the development of an external facing analysis and reporting infrastructure now scheduled for deployment in FY 11 In addition to funding from Pooled Technology, IDR has supplemented the development with staffing funded by the general fund appropriation.

## 9. Comprehensive Electronic Grant Management System (IowaGrants.gov)

Management project capable of managing the grant application, selection, award/contracting, monitoring, communications, modification, reporting, close-out, and financial management processes. IowaGrants.gov is available to state agencies that administer a variety of state and federal competitive and pass-through grant programs. While the grant management process generally follows a rather standard set of steps from application through grant closeout, the particular requirements of each state agency and of each grant program requires a configurable approach. The IowaGrants.gov allows each participating agency the ability to accommodate unique requirements in the management of each individual grant program.

**Funding Sources:** ROI funding for this project is supplemented by the project work of state staff from several agencies and their related costs. It's estimated that all grant giving state agencies will utilize IowaGrants.gov by June 30, 2013.

## 10. Appeals Process Automation

Human Services project to automate the DHS Appeals Process. The DHS Bureau of Policy Analysis & Appeals (BPAA) proposes to automate the appellate process in coordination with appropriate members of other agencies and the IT professionals assigned to DHS. The BPAA will achieve the following benefits through the implementation of this automated approach to the appellate process: meet or exceed all mandated timelines within 2 years, decrease the amount of time in the appellate process by 20%, provide instantaneous access to files and their contents electronically across agencies, while substantially decreasing the need for paper retention, promote better working relationships with other agencies, and allow public access to appropriate data in the files.

**Funding Sources:** The funding for this project was a combination of ROI funds and Federal matching funds at a rate of approximately 63%. The project work was supplemented by state staff and their related costs with staff expenditures covered by the department's general fund allocations. Work continues into SFY 10 with an expected completion date of 3/31/09. All ROI funds will be expended by 3/31/09.

## 11. Law Enforcement Data Collection and Management

Natural Resource joint project to improve DNR's law enforcement data collection and data sharing while enhancing reporting capability via electronic means and partnerships with the Departments of Transportation (DOT), Public Safety Iowa State Patrol (DPS), Court System, and Emergency Management. The funds will be used to purchase hardware for enforcement vehicles. DNR plans to partner with DOT to adopt existing law enforcement technologies such as TraCS (Traffic and Criminal Software) for citation/reporting, data collection and tracking. TraCS was developed by DOT and it is used by law enforcement and transportation agencies,

including DPS. It is intended to improve transportation, homeland security and public safety by sharing resources, establishing best practices and providing tools for public and private dissemination of data quickly.

**Funding Sources:** In SFY09, \$250,000 of ROI funding was expended. Any additional maintenance expenses in the future will be handled through the Fish and Wildlife Trust fund.

## 12. IABC Technology Enhancement

Human Services project for Phase II of a multi-phase project for the IABC system. This phase of the project will modify and modernize the current system from a batch processing system to a real-time update system. Making transactions “real time” will update the data files at the time the user enters the data, whereas the current mainframe transactions are batched and processed nightly to update the files. Real time maintenance provides the users immediate response rather than waiting for the nightly cycle to give them feedback. The end result is a new system that is much simpler to maintain and enhance as requirements change. It will also greatly simplify the ability to provide information via SOA (web services) to those state agencies with a need and appropriate access. Utilizing a relational database and a web-based interface will drastically reduce the operating cost of the system.

**Funding Sources:** In SFY09, \$74,325 of ROI funding was expended. The balance for the project is approximately \$386,000 of ROI funds. Work continues on the second phase of the project.

## 13. Electronic Data-Filing Project

Human Services project for the Child Support Recovery Unit (CSRU) to partner with the Iowa Judicial Branch to begin mandated electronic document filing via an electronic data-filing project called Electronic Data Management System (EDMS). CSRU, in conjunction with the Iowa Judicial Branch, will develop a strategic plan to meet the proposed electronic filing rule. The project will utilize technology and develop a technological solution for electronic filing consistent with the Governor’s and the Department of Administrative Service’s goal to provide a more efficient, improved and flexible service to approximately 600,000 Iowa citizens. Once CSRU electronically transfers documents to the courts, communication will be expedited, time frames will be shortened and improved customer service will result.

**Funding Sources:** In SFY 09, \$127,549 of ROI funds were used to support total expenditures of \$375,144 on the project. The remaining balance of \$109,823 is anticipated to be used to support the project through 6/30/11 with anticipated Federal matching funds at a rate of 66%.

## 14. Employee Management System

Administrative Services project to implement Phase II of the Employee Management System. Phase II will bring on remaining DAS services and concentrate on workflow issues, and this application continues work begun in Phase I (defining user protocols and transitioning all ITE services to the new system). Activities in the new web-based system will allow several systems for relating tasks to be shut down, reducing both system and staff support. When implemented, this system will provide a one stop service intake for adding, changing, and deleting staff. This system will enhance and improve billings for staffing related services. While generating invoice information is the core outcome, this project will re-engineer the processes for billing staff related services in a consistent, time based system. The additional dollars are to finish the outstanding EMS features available so customers may order services through this product.

**Funding Sources:** Funding for the continuation of this project is provided by ROI funding (\$135,000). Additional dollars for ITE staff (outside the team working directly on the project) are 100% funded by DAS.

## 15. Electronic Health Record Initiative

Iowa Veterans Home initiative addresses the hardware needs of a previously approved ROI software package for IVH's electronic health record project. Included in this ROI application is the hardware and network devices needed to implement the mobility, availability, security, and efficiency aspect of the electronic health record project. Implementation of a wireless network for these technologies and tools, located on all health care units' campus wide at IVH, would make possible the timely entry of critical data for acute and long term care. The implementation would consist mainly of installing a radius server, access points, a wireless controller, Touch screens, tablet pc's on medical carts, and cabling. Quality of life and quality of care will be the result of the implementation; and as a result of the efficiencies and re-allocated time, more direct care can be provided.

**Funding Sources:** Direct funding for this project provided entirely by the FY 09 ROI program.

This table includes ROI reimbursements processed through DAS Finance, as of December 28, 2011.

**Table C: FY 10 ROI Project Expenditures**

<b>Project Name</b>	<b>Agency</b>	<b>% Complete</b>	<b>Original Request</b>	<b>Adjusted Request</b>	<b>Expenditures to-date</b>	<b>Obligated Funds</b>	<b>Estimated Complete Date</b>
LiDAR (Light Detection & Ranging) Project, Phase 2	Natural Resources	98%	\$ 650,000	\$ 650,000	\$ 634,846	\$ 15,154	7/1/12
Enterprise ePayment Engine	Joint Chief Information Officers	80%	\$ 250,000	\$ 250,000	\$ 199,715	\$ 50,285	3/1/12
Statewide Address Geocoding	Joint Chief Information Officers	63%	\$ 650,000	\$ 650,000	\$ 409,719	\$ 240,281	1/1/13
Electronic Data-Filing Project	Human Services	99.9%	\$ 237,184	\$ 237,184	\$ 237,126	\$ 58	1/1/13
IDPH Data Warehouse	Public Health	100%	\$ 250,000	\$ 250,000	\$ 250,000	\$ 0	<b>Complete</b>
<b>TOTALS</b>			\$ 2,037,184	\$ 2,037,184	\$ 1,731,406	\$ 305,778	

**FY 10 appropriation within the Technology Reinvestment Fund to the Department of Administrative Services for technology improvement projects was \$2,037,184.00**

**FY 10 ROI funds revert on June 30, 2013**



## Table D. FY 10 ROI Project Descriptions and Funding Sources

### 1. LiDAR (Light Detection and Ranging) Project, Phase 2

Natural Resources project to partner with Transportation, Agriculture and Land Stewardship and Natural Resources Conservation Service to collect LiDAR (Light Detection and Ranging) data for the entire state. LiDAR technology uses laser pulses from an airplane to calculate very accurate elevations. LiDAR technology has the potential to save Iowa's local, county, state, and federal governments valuable resources by providing a low cost alternative to traditional land-surveys conducted for planning purposes. As of January 1, 2012: all data collection, processing, and QA/QC testing is complete. The data are all publicly available on the DNR GIS Library and Iowa State University Orthoserver website. Currently there are a few server hardware upgrades that need to be made in order to increase data handling performance to meet expectations. Project will be 100% complete by July 1, 2012.

**Funding Sources:** The Statewide LiDAR and Photography collection phases of the project are completed. At this time, contracted, 3rd party, QA/QC inspections of the data are taking place and will be completed in the next 3 months. Specifics for the project funding sources:

IDNR - \$1,300,000

IDALS (DSC) - \$570,000

IDOT - \$1,500,000

Pooled Tech Phase 1 - \$650,000

NRCS - \$1,000,000

Pooled Tech Phase 2 - \$650,000

### 2. Enterprise ePayment Engine

JCIO collaborative project through Administrative Services-ITE to modify the Epayment Engine and existing merchant applications to use a redirected or shopping cart model. In this model, all interaction with the customer will remain in the agency's application up to the point of initiating checkout and payment. The customer would then be redirected to a fully compliant 3<sup>rd</sup> party's site. All payment information, including credit card or e-check data, would be entered on the 3<sup>rd</sup> party's site. Upon completion of payment processing, the customer would be returned to the agency's site along with payment status information. Credit card or e-check information would never be transmitted through state computers. That removes the need for DAS ITE to have their hosting environments and infrastructure certified as PCI DSS compliant as well as removing the liability from the state.

**Funding Sources:** Funding for the work on this project is provided by ROI funding (\$250,000). Expenses for ITE or 3<sup>rd</sup> party staff outside of the amount approved will be funded by agency.

### 3. Statewide Address Geocoding

JCIO collaborative project through Natural Resources to provide a geocoding service and associated GIS spatial datasets for the state of Iowa. State government agencies and partners using the geocoding service will increase efficiency of internal business functions through higher accuracy in address match rate and geographic location. High accuracy in address match rates and geographic locations are necessary for proper and efficient delivery of services to government and business customers. State government agencies and partners using the geocoding service will be able to map distributions or information about their customers in new ways that bring about new services unavailable in previous years. Two layers were created for each county: and E911 address point layer and a rooftop structure point layer. Both use address information from county parcel databases and post office address information. As of January 1, 2012: 50 counties of geocoding data (E911 and structure points) have been created and are available to GIS users in state government and elsewhere. An online geocoding web service is being tested with the 50 county data. Sixteen more counties are in-progress and will be completed this spring. Project files have been used by DNR and HSEMD to assess potential

and actual damages from recent flooding, by local governments for voter redistricting, and by Dept. of Education for school boundary mapping.

**Funding Sources:** Pooled Technology Fund 100% for phase 1: \$650,000

#### 4. Electronic Data-Filing Project

Human Services project for the Child Support Recovery Unit (CSRU) to partner with the Iowa Judicial Branch to begin mandated electronic document filing through the creation of an automated electronic interface. CSRU, in conjunction with the Iowa Judicial Branch, developed a strategic plan to meet the proposed electronic filing rule. The project's focus was to develop a technological solution for electronic filing consistent with the Governor's and the Department of Administrative Service's goal to provide a more efficient, improved and flexible service to approximately 600,000 Iowa citizens. As of 11/30/11, the electronic interface is in production and by January 1, 2012, is planned to be operating in all of the counties the Court has converted to e-filing (Plymouth, Story, Sioux, and Woodbury). Electronically transferring documents to the courts will expedite communication, shorten timeframes, and improve customer service.

**Funding Sources:** In SFY 09, \$127,549 of ROI funds were used to support total expenditures of \$375,144 on the project. The remaining balance of \$109,823 was expended in SFY 10. ROI funds were matched at a rate of 66% federal financial participation (FFP).

#### 5. IDPH Data Warehouse

Public Health project to create a data warehouse to reinvent the way IDPH disseminates data. No longer limited by static reports, internal and external users will be able to access data from multiple sources through a single website. They will be able to query data for an output that answers their questions, and they will be able to view community profiles for a quick snapshot of county data. The website will be convenient to external users because it will not require a username or password. IDPH will protect their sensitive data in the warehouse through aggregations, cell suppression rules, and security processes to protect the identity and ensure the confidentiality of all data in the data warehouse. The data warehouse will empower users from government and non-government organizations to make data-driven decisions without requiring time to track down basic public health data. IDPH's operational effectiveness will be improved by bringing disparate population-based data into a single system, allowing data to be analyzed more thoroughly and shared across more dimensions.

**Funding Sources:**

Prior to July 2009 IDPH used \$145,500 from a Wellmark Grant for the Data Warehouse project. Beginning July 1, 2009 through June 30, 2010 IDPH used \$250,000 of ROI Funds for the Data Warehouse project. All funds after June 30, 2010 have been provide by IDPH internal funding.

This table includes ROI reimbursements processed through DAS Finance, as of December 28, 2011.

**Table E: FY 11 ROI Project Expenditures**

<b>Project Name</b>	<b>Agency</b>	<b>% Complete</b>	<b>Original Request</b>	<b>Adjusted Request</b>	<b>Expenditures to-date</b>	<b>Obligated Funds</b>	<b>Estimated Complete Date</b>
Capitol Complex Door Security	Administrative Services	11%	\$ 431,378	\$ 372,344	\$ 41,276	\$ 331,068	6/30/12
Digital Recording Expansion	Civil Rights Commission	0%	\$ 12,560	\$ 10,845	\$ 0	\$ 10,845	1/1/14
PK-Workforce Longitudinal Data System	Education	78%	\$ 500,000	\$ 431,575	\$ 335,638	\$ 95,937	1/1/14
Living Disaster Recovery Planning System Enhancements	Homeland Security/ Emergency Management	73%	\$ 185,000	\$ 159,683	\$ 117,263	\$ 42,420	1/31/12
IABC Technology Enhancement	Human Services	27%	\$ 332,000	\$ 286,566	\$ 78,205	\$ 208,361	1/1/14
Imaging and Work Flow Management System	Human Services	24%	\$ 350,000	\$ 302,103	\$ 72,023	\$ 230,080	1/1/14
Rite Track Software for Child, Family, Social Service	Human Services	38%	\$ 125,685	\$ 108,485	\$ 41,256	\$ 67,229	1/1/14
Portable Driving Simulation Equipment, Project 2	Law Enforcement Academy	0%	\$ 168,500	\$ 145,441	\$ 0	\$ 145,441	1/1/14
Grant Portal / Electronic Grant Management	Management	31%	\$ 480,000	\$ 414,311	\$ 126,612	\$ 287,699	1/1/14
GIS Services for Agencies	Natural Resources	21%	\$ 350,000	\$ 302,103	\$ 64,357	\$ 237,746	1/1/14
Medical Examiner Case Management	Public Health	23%	\$ 195,000	\$ 168,314	\$ 39,441	\$ 128,873	6/30/12
Application Business Continuity	Administrative Services	18%	\$ 300,000	\$ 258,945	\$ 47,507	\$ 211,438	1/1/14
Gateway & Enterprise E-Mail Encryption Services	Administrative Services	66%	\$ 375,000	\$ 323,681	\$ 214,165	\$ 109,516	1/1/14
Virtual Desktop Deployment	Administrative Services	0%	\$ 540,000	\$ 466,100	\$ 0	\$ 466,100	1/1/14
Security Education Awareness Training	Administrative Services	0%	\$ 50,000	\$ 43,158	\$ 0	\$ 43,158	1/1/14
<b>TOTALS</b>			\$ 4,395,123	\$ 3,793,654	\$ 1,177,743	\$ 2,615,911	

**FY 11 appropriation within the Technology Reinvestment Fund to the Department of Administrative Services for technology improvement projects was \$3,793,654.00**

**FY 11 ROI funds revert on June 30, 2014**

## Table F. FY 11 ROI Project Descriptions and Funding Sources

### 1. Capitol Complex Door Security Project

Administrative Services project for the enterprise to install a single, tested/proven “state of the art” building security access system (Andover) throughout the Capitol Complex, exclusive of the Mercy Capitol and Vehicle Dispatch Buildings (at this time). Replace the current Toye system at identified buildings and parking lots with the Andover system, thereby standardizing and centralizing all operational aspects of security access throughout the Capitol Complex and at other locations. This project is an extension of an already planned, tested, proven, and implemented concept, and security access would become the sole responsibility of DPS.

**Funding Sources:**

100% Pooled Technology funding.

### 2. Digital Recording Expansion Project

Civil Rights project to replace outdated tape recording equipment and allow more efficient recording, retrieval, transcribing, and copying of investigative interviews by expanding the availability of digital recording software and hardware. This project will also provide copies of investigative interviews available to parties and/or their counsels in a more cost effective, timely, and accessible manner.

**Funding Sources:**

100% Pooled Technology funding.

### 3. PK-Workforce Longitudinal Data System

Education project to provide institutional linkages for a prekindergarten (PK)-workforce LDS with Education PK-12 data, postsecondary data, College Student Aid Commission, and Workforce Development by having the electronic transcript system flow data from postsecondary to the required systems where it is then consumed by the LDS so analysis may be performed. This design will provide bi-directional integration between the PK-12 data warehouse and the ICSAC data warehouse for the transactional sharing of elements for multiple agency purposes. IWD would have access to run reports and do analytics against the data as necessary, including linkages to unemployment insurance data.

**Funding Sources:**

This portion of the system is 100% Pooled Technology funded. There are other components of this data system which are funded through federal grant dollars.

### 4. Living Disaster Recovery Planning System Enhancements

Homeland Security project with Human Services, Natural Resources and Transportation to acquire and implement modules into LDRPS, the business continuity application currently used by more than 30 state agencies. These modules would increase the functionality of LDRPS, which stands for Living Disaster Recovery Planning System. The modules of interest are: Business Impact Analysis (BIA) Professional, Workforce Assessment, and Vendor Assessment.

**Funding Sources:**

Besides the ROI funds, federal Emergency Management Performance Grant funds have been used in this initiative. EMPG funds have been used to pay for state personnel to manage the project.

## 5. IABC Technology Enhancement

Human Services project for Phase III of a multi-phase project for the IABC system. This phase of the project will modify and modernize the current system from a batch processing system to a real-time update system. Making transactions “real time” will update the data files at the time the user enters the data, whereas the current mainframe transactions are batched and processed nightly to update the files. Real time maintenance provides the users immediate response rather than waiting for the nightly cycle to give them feedback. The end result is a new system that is much simpler to maintain and enhance as requirements change. It will also greatly simplify the ability to provide information via SOA (web services) to those state agencies with a need and appropriate access. Utilizing a relational database and a web-based interface will drastically reduce the operating cost of the system.

**Funding Sources:** In SFY 11, \$38,761 of ROI funds were used to support total expenditures of \$80,668 on the project. The remaining balance of \$247,805 will be expended in or after SFY 12. ROI funds were matched at a rate of 52% federal financial participation (FFP).

## 6. DHS Imaging and Work Flow Management System

Human Services project for an Imaging and Work Flow System to provide flexibility and improved customer service, worker efficiency and payment accuracy. This system will enable eligibility workers in other areas of the state to determine eligibility without requiring the applicant or the worker to travel to complete a program application. It will also allow casework to be completed more efficiently (elimination of paper / technology queues up work); allow for work to be processed from multiple points and will allow for specialization. The purpose of this application is to request funding for the purchase and implementation of an Imaging and Work Flow System.

**Funding Sources:** In SFY 11, \$20,313 of ROI funds were used to support total expenditures of \$42,275 on the project. The remaining balance of \$281,790 will be expended in or after SFY 12. ROI funds were matched at a rate of 52% federal financial participation (FFP).

## 7. Rite Track Software for Child, Family, Social Service

Human Services project to purchase of RiteTrack software, a data-reporting system for human service agencies. Currently, clinical monitoring and data tracking are completed without the benefit of a prescribed software. RiteTrack would improve the efficiency and effectiveness of State government by providing a mechanism for data integration, analysis, and reporting. RiteTrack software will be used at The State Training School for Boys and the Iowa Juvenile Home/Girls' State Training School, two facilities operated by the Human Services to serve Iowa's most-troubled youth.

**Funding Sources:** \$108,485 will be expended in or after SFY12. 100% ROI program funds.

## 8. Portable Driving Simulation Equipment, Project 2

This is a Law Enforcement Academy project to obtain portable driving simulation equipment that would be used to train all Basic Recruit classes as well as Precision Driving classes to be held throughout the state annually. Studies show that training of this type will prevent injury and deaths as well as reducing state, county and city liability. This project supports the IT strategic and tactical plan by updating technology available to Iowa Law Enforcement, jailers and telecommunicators.

**Funding Sources:** 100% ROI program funds

## 9. Grant Notification Portal & Comprehensive Electronic Grant Management

Management project to expand an enterprise-wide Electronic Grant Management System (eGMS). Feedback will be utilized from all grant-giving agencies in developing an RFP for an eGMS. The eGMS will provide a storefront using keyword searches to assist public and private

entities seeking funding through state administered grant programs. eGMS will manage the grant solicitation, application, selection, award/contracting, monitoring, communications, modification, reporting, close-out and financial management process.

**Funding Sources:**

100% Pooled Technology funding.

**10. GIS Services for Agencies**

Natural Resources project to Natural Resources project to provide contract GIS professional services to assist state agencies in the use of GIS, so as to become more proficient with GIS technology in daily business processes, and to increase coordination between state agency GIS efforts. GIS services provided by this project will include direct assistance to individual agency projects and staff, coordination between state agencies, and interaction with the external GIS community so that ideas and resources are shared between all sectors within the state. This GIS project will ultimately save the state money through cost avoidance of recreating critical databases and increased efficiency in finding extent data and reformatting to internal requirements, as well as other expected outcomes. As of January 1, 2012: GIS users from 12 state agencies have been interviewed for current GIS use and future needs. These include staff from DOT, Revenue, Economic Development, Legislative Services, Cultural Affairs, Public Safety, Homeland Security, Education, Human Services, Public Health, Utility Board, and Workforce Development. Plans are to complete the needs inventory in January and a GIS business plan for increasing GIS use in state agencies by July 30. Training and technical assistance has been offered to GIS users in Workforce Development (laborsheds), Human Services (mapping training) and Public Safety (State Police Dispatch update). Further training and data development efforts with users in Economic Development, Legislative Services, Utilities Board and Revenue will continue this spring leading to coordinated development of GIS layers for tax districts, transmission lines, railroads, hospitals, schools and school district boundaries. These new GIS data layers will be made available to all agencies and the public.

**Funding Sources:** Pooled Technology Fund: \$350,000 requested, \$302,103 awarded. \$25,000 from Federal Geographic Data Committee grant award

**11. Medical Examiner Case Management**

Public Health (IOSME) project to develop, implement and maintain a web based medical examiner case management database application. The system's goals are: 1) increase efficiency and accuracy of entering death investigation information, and 2) have information immediately available for multiple time sensitive purposes including dissemination of autopsy reports to official agencies as well as the timely review by state experts of incoming scene reports from the counties. This new application would eliminate the current time delays and data entry errors from entering new case information. The ability to provide up-to-date accurate information is also critical to other agencies that are investigating time sensitive incidents such as infectious disease outbreaks or criminal investigations. The information would be available electronically in real-time to other official agencies.

**Funding Sources:**

The primary sources of funding for this project are from ROI and the National Forensic Science Improvement Act grant (Coverdell). Approximately 10 to 15% of the cost of the project will be covered from the IOSME budget. Part of the ROI funds up to this point were used to pay for a project manager, through a staff augmentation contract, that resulted in successful RFP publication and selection of a vendor. The IOSME is currently in the contract negotiation phase with the Vendor (The Computer Solutions Company). The work plan projects implementation and testing to be complete June 30, 2012.

## **12. Application Business Continuity**

Administrative Services project for the enterprise to engage a consultant to: 1) verify data from 2008 collected by HSEMD and related to Continuity of Operations/ Continuity of Government (COOP/COG) plan and identify what gaps still remain that are crucial to business continuity and recovering technologies; 2) develop a methodology for a business impact analysis (cost-use matrix) –solutions and funding plan that can combine solutions where applicable, as it relates to technologies and services that will be recovered in a timely, prioritized manner; and 3) develop a priority process that will assist our Governor’s leadership to review and make important decisions that relate to the safety, health and service to our citizens.

### **Funding Sources:**

100% ROI program funds.

## **13. Gateway & Enterprise E-Mail Encryption Services**

Administrative Services project for the enterprise to JCIO sponsored project to augment current gateway services and prevent newer types of spam and viruses from reaching enterprise e-mail accounts. Encryption services will be an added benefit to customers by keeping confidential information secure in transit via a seamless and automated fashion. The key benefit to the citizens is the improved protection of their personal and confidential information. New tools will allow us to block, capture and report on the quantity of confidential data leaving the network.

### **Funding Sources:**

100 % ROI Program funds.

## **14. Virtual Desktop Deployment**

Administrative Services project for the enterprise to develop a “Virtual Desktop” model that relies on thin client architecture. The actual computing is performed in a data center environment with multiple users on one centrally managed computer (server). Applications and data are provided over the network rather than on the local computer. The thin client can also be combined with a Voice over IP (VoIP) telephone connection where there is adequate bandwidth, thus reducing communication costs for remote workers. All of the technology ingredients are proven technologies – i.e. thin client, servers, VoIP phones, network switches, etc. Existing applications like MS Office, Outlook, mainframe terminal emulation, internet browser, etc. can be delivered via the Virtual Desktop.

### **Funding Sources:**

The project is 100% funded from the ROI program.

## **15. Security Education Awareness Training**

Administrative Services project for the enterprise to JCIO sponsored project to develop a consistent training program available to all agencies that tracks employee participation, measures successful completion through testing and provides reports by employee by agency. The training program would be primarily focused on end-user training, but would be designed for delivery to other target audiences; e.g. technical staff and managers. To successfully complete the training, students will be required to correctly answer questions that evaluate understanding and retention of the content.

### **Funding Sources:**

Iowa Access Funds are augmenting this training initiative to broaden cyber security awareness to state partners and other government institutions. IOWAccess funding (\$100,000) was used to make the initial training system purchase. The Return on Investment Program (ROI) funds will be used to renew the training licenses in 2013.

This table includes ROI reimbursements processed through DAS Finance, as of December 28, 2011.

**Table G: FY 12 ROI Project Expenditures**

<b>Project Name</b>	<b>Agency</b>	<b>% Complete</b>	<b>Original Request</b>	<b>Adjusted Request</b>	<b>Expenditures to-date</b>	<b>Obligated Funds</b>	<b>Estimated Complete Date</b>
Continuous Vulnerability Management	Administrative Services	0%	\$ 585,000	\$ 585,000	\$ 0	\$ 585,000	1/1/15
Personnel Skills Assessment	Administrative Services	0%	\$ 400,000	\$ 400,000	\$ 0	\$ 400,000	1/1/15
Gateway & Enterprise E-Mail Encryption Services, Phase 2	Administrative Services	0%	\$ 300,000	\$ 300,000	\$ 0	\$ 300,000	1/1/15
Statewide Address Geocoding, Phase 2	Natural Resources	0%	\$ 550,000	\$ 194,000	\$ 0	\$ 194,000	1/1/15
Critical Response Notification System	Veterans' Home	0%	\$ 98,000	\$ 98,000	\$ 0	\$ 98,000	1/1/15
Customer Portal	Human Services	0%	\$ 185,000	\$ 66,728	\$ 0	\$ 66,728	1/1/15
<b>TOTALS</b>			\$ 2,118,000	\$ 1,643,728	\$ 0	\$ 1,643,728	

**FY 12 appropriation within the Technology Reinvestment Fund to the Department of Administrative Services for technology improvement projects was \$1,643,728.00**

**FY 12 ROI funds revert on June 30, 2015**



## Table H. FY 12 ROI Project Descriptions and Funding Sources

### 1. Security: Continuous Vulnerability Management

Administrative Services project for the enterprise to fund phase two of the effort. In this phase of the security project, vulnerability-scanning devices will be deployed to all state agencies. This project includes vendor installation, hardware, software, project management, training, and technical consulting. The main outcome of the system is that all executive branch agencies receive timely and continuous automated IT audits for software vulnerabilities and for configuration management.

#### **Funding Sources:**

HSEMD funding is augmenting this initiative and is being used to bring the same service to cities, counties and schools.

### 2. IT Personnel Skills Assessment

Administrative Services project for the enterprise to inventory and assess state personnel conducting IT functions. The scope includes skills such as programming, system design, system development, and other functions associated with IT staff. The goal of this assessment is to gather information to support the information technology redesign efforts by identifying the means to train and develop our IT professionals, as well as future needs of IT skills.

#### **Funding Sources:**

The project is 100% funded from the ROI program.

### 3. Security: Gateway & Enterprise E-Mail Encryption Services, Phase 2

Administrative Services project for the enterprise to further improve gateway and e-mail encryption services. This security project will benefit the enterprise at large and will raise the security level of messaging to a level that would comply with the enterprise standards and defend against current cyber threats. Expected results include enhanced e-mail encryption, spam control and other related services.

#### **Funding Sources:**

100 % ROI Program funds.

### 4. Statewide Address Geocoding, Phase 2

Phase 2 of the JCIO and Natural Resources project continues production of E911 addresses points, and building points to be used in a statewide geocoding and address service. Phase 1 covered most of western Iowa, with Phase 2 to work on completing south-central and northeast Iowa. An additional Phase 3 to complete the state was requested in July 2011. As of January 1, 2012: Completing Phase 1 counties. Will begin using phase 2 funding this spring to continue work on eastern Iowa, and finish western counties.

**Funding Sources:** Pooled Technology Fund: \$550,000 to complete eastern part of state, \$194,000 awarded.

### 5. Critical Response Notification System

Iowa Veterans Home project for a critical response notification system for unified campus wide communication during an emergency or time sensitive event. The project will fill the gap between IVH's Disaster Recovery plan and State of Iowa communications and DR efforts including COOP/COG. In addition, the REACT software suite of critical response notification systems is scalable and could easily be implemented at an enterprise level.

**Funding Sources:** Direct funding for this project provided entirely by the FY 12 ROI program.

## 6. DHS Customer Portal

Human Services project to build on two DHS projects (OASIS and the Medicaid Portal), and will join additional DHS projects, specifically DHS's Electronic Case File. OASIS is DHS's web-based intake system for lowans to begin the application process for several DHS programs. The Medicaid Portal was developed to support Medicaid providers, members and workers to web-enable the interactions each has with the Iowa Medicaid Enterprise. The unified Customer Portal will enable DHS customers across program boundaries to be able to securely interact with DHS workers and program staff.

**Funding Sources:** The total of \$66,728 will be expended in or after SFY 12. ROI funds will be matched at an estimated rate of 52% federal financial participation (FFP).