Project Tracking No.:

Return on Investment (ROI) Program Funding Application

This template was built using the ITE ROI Submission Intranet application.
FINAL AUDIT REQUIRED: The Enterprise Quality Assurance Office of the Information Technology Enterprise is required to perform post implementation outcome audits for all Pooled Technology funded projects and may perform audits on other projects.

This is an IOWAccess Revolving Fund Request.

Amount of funding requested: Currently:$75,000.

Anticipated total:$75,000

Section I: Proposal

Date:	June 21, 2007
Agency Name:	Department of Public Safety
Project Name:	Iowa Sex Offender Registry Upgrade
Agency Manager:	Steven Conlon
Agency Manager Phone Number / E-Mail:	conlon@dps.state.ia.us
Executive Sponsor (Agency Director or Designee):	
IOWAccess Project Process Phase:	☐ Scope Analysis ☐ Design ☑ Implementation

A. Project Summary: Describe the nature and use of the proposed project, including what is to be accomplished, how it will be accomplished, and what the costs and benefits will be.

The project will enhance and upgrade the Department of Public Safety's Iowa Sex Offender Registry website. The website offers information on Iowa's registered sex offenders. This website is used by not only law enforcement but also the public to determine who are sex offenders, information on the offenders and what offenders are located within a radius of a particular address.

The project will offer more information in a more user friendly manner. The website itself will be upgraded. The information obtained will be from the new DPS program, Open Fox, which offers more information than that which is currently maintained.

Costs will be realized as the upgraded site will allow DPS to change verbiage on the site, amend information on an offender and change the map location of an offender.

B. Strategic Plan: How does the proposed project fit into the strategic plan of the requesting agency?

The upgraded web site will offer a more user friendly way for the public to obtain information.

C. Current Technology: Provide a summary of the technology used by the current system. How does the proposed project impact the agency's technological direction? Are programming elements consistent with a Service Oriented Architecture (SOA) approach? Are programming elements consistent with existing enterprise standards?

The current system uses PHP and MySQl. The upgraded website will also use these technologies.
The upgrade will include providing information to the National Sex Offenders Registry. Currently this is done using .NET technology. This will be incorporated into this application and will use PHP technology. This will realize a savings to DPS as they will now pay for one application rather than two.

D. Statutory or Other Requirements

Is this project or expenditure necessary for compliance with a Federal law, rule, or order?
xYES (If "Yes", cite the specific Federal law, rule or order, with a short explanation of how this project is impacted by it.)
Explanation: YES, The Adam Walsh Child Protection Act of 2006. This federal law requires additional information to be made available to the public concerning registered sex offenders.

Is this project or expenditure required by state law, rule or order?

☐ YES (If "YES", cite the specific state law, rule or order, with a short explanation of how this project is impacted by it.)
Explanation: We are drafting proposed language to modify the Iowa code to bring us into compliance with the new federal Adam Walsh Act.

Does this project or expenditure meet a health, safety or security requirement?

☐ YES (If "YES", explain.)
Explanation:

Is this project or expenditure necessary for compliance with an enterprise technology standard?

☐ YES (If "YES", cite the specific standard.)
Explanation:

[This section to be scored by application evaluator.]
Evaluation (15 Points Maximum)
If the answer to these criteria is "no," the point value is zero (0). Depending

upon how directly a qualifying project or expenditure may relate to a particular requirement (federal mandate, state mandate, health-safety-security issue, or compliance with an enterprise technology standard), or satisfies more than one requirement (e.g. it is mandated by state and federal law and fulfills a health and safety mandate), 1-15 points awarded.

E. Impact on Iowa's Citizens

1. **Project Participants** - List the project participants (i.e. single agency, multiple agencies, State government enterprise, citizens, associations, or businesses, other levels of government, etc.) and provide commentary concerning the nature of participant involvement. Be sure to specify who and how many **direct** users the system will impact. Also specify whether the system will be of use to other interested parties: who they may be, how many people are estimated, and how they will use the system.
Project participants include federal agencies, all law enforcement agencies as well as schools, businesses such as day cares and the general public.

Schools and day care providers are very large users of the current application as this allows them to determine if there are any registered offenders within their area. The new site will provide information on whether the offender is limited from residing within a certain distance of schools and day cares.

Law enforcement agencies utilize the site to determine if offenders have moved into or out of their area.

The new website will provide an easy means for information to be sent to DPS concerning a registered offender.

2. Service Improvements - Summarize the extent to which the project or expenditure improves service to Iowa citizens or within State government. Included would be such items as improving the quality of life, reducing the government hassle factor, providing enhanced services, improving work processes, etc.

The revised application will enable DPS to make immediate changes to information on registered offenders. The upgrade will also afford the user an easier means of navigating the site.

3. Citizen Impact – Summarize how the project leads to a more informed citizenry, facilitates accountability, and encourages participatory democracy. If this is an extension of another project, what has been the adoption rate of Iowa's citizens or government employees with the preceding project?

The revised site will allow citizens to more easily navigate the site. This will allow them easier access to more information. It also allows the citizens to easily submit information to the DPS concerning registrants.

4. Public Health and/or Safety – Explain requirements or impact on the health and safety of the public.

This greatly affects the safety of the public as it allows them to more easily view information on registered offenders.

[This section to be scored by application evaluator.]
**Evaluation (15 Points Maximum)**

- Minimally directly impacts Iowa citizens (0-5 points).

- Moderately directly impacts Iowa citizens (6-10 points).

- Significantly directly impacts Iowa citizens (11-15 points).

[This section to be scored by application evaluator.]
Evaluation (10 Points Maximum)

- Minimally improves customer service (0-3 points).

- Moderately improves customer service (4-6 points).

- Significantly improves customer service (7-10 points).
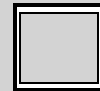
F. Process Reengineering

Provide a pre-project or pre-expenditure (before implementation) description of the impacted system or process.   Be sure to include the procedures used to administer the impacted system or process and how citizens interact with the current system.

Response: The current application provides information concerning sex offender registrants in a basic manner. Data is downloaded nightly from DPS using their current database.

Provide a post-project or post-expenditure (after implementation) description of the impacted system or process. Be sure to include the procedures used to administer the impacted system or process and how citizens will interact with the proposed system. In particular, note if the project or expenditure makes use of information technology in reengineering traditional government processes.

Response: The new application will obtain information from the improved DPS system, Open Fox.   This will allow the revised application to provide additional data. The revised application will also provide an easier means to navigate to the different areas of the site and will provide the user an effective means to submit information concerning a registrant to the DPS.

The revised application also allows the DPS a more interactive and immediate means to update registrant information.

[This section to be scored by application evaluator.]
Evaluation (10 Points Maximum)

- Minimal use of information technology to reengineer government processes (0-3 points).

- Moderate use of information technology to reengineer government processes (4-6 points).

- Significant use of information technology to reengineer government processes (7-10).

G. Timeline

Provide a projected timeline for this project. Include such items as **start date**, planning, database design, coding, implementation, testing, conversion, parallel installation, and date of final release. Also include the parties responsible for each item.

Implementation start date: July 16, 2007 ITE
Testing: September 14, 2007 ITE and DPS
Complete Date: October 15, 2007 ITE and DPS
Final Release: October 16, 2007

[This section to be scored by application evaluator.]
Evaluation (10 Points Maximum)

- The timeline contains several problem areas (0-3 points).

- The timeline seems reasonable with few problem areas (4-6 points).

- The timeline seems reasonable with no problem areas (7-10).

H. Funding Requirements

On a fiscal year basis, enter the estimated cost by funding source: Be sure to include developmental costs and ongoing costs, such as those for hosting the site, maintenance, upgrades.

	FY06		FY07		FY08	
	Cost($)	% Total Cost	Cost($)	% Total Cost	Cost($)	% Total Cost
State General Fund	$0	0%	$0	0%	$0	0%
Pooled Tech. Fund /IOWAccess Fund	$0	0%	$0	0%	$75,000	0%

Federal Funds	$0	0%	$0	0%	$0	0%
Local Gov. Funds	$0	0%	$0	0%	$0	0%
Grant or Private Funds	$0	0%	$0	0%	$0	0%
Other Funds (Specify)	$0	0%	$0	0%	$0	0%
Total Project Cost	$0	0%	$0	0%	$75,000	0%
Non-Pooled Tech. Total	$0	0%	$0	0%	$0	0%

[This section to be scored by application evaluator.]
Evaluation (10 Points Maximum)

- The funding request contains questionable items (0-3 points).

- The funding request seems reasonable with few questionable items (4-6 points).

- The funding request seems reasonable with no problem areas (7-10).

I. Scope

Is this project the first part of a future, larger project?

☐ YES (If "YES", explain.)   ☑ NO, it is a stand-alone project.
Explanation:

Is this project a continuation of a previously begun project?

☑ YES (If "YES", explain.)
Explanation: The Iowa Sex Offender Registry is already operational and this request would add additional information that would be available to the public about registered sex offenders and enhance existing features.

[This section to be scored by application evaluator.]
Evaluation (10 Points Maximum)

- This is the first year of a multi-year project / expenditure or project / expenditure duration is one year (0-5 points)

- The project / expenditure is of a multi-year nature and each annual component produces a definable and stand-alone outcome, result or product (2-8 points).

- This is beyond the first year of a multi-year project / expenditure (6-

10 points)

The last part of this criteria involves rating the extent to which a project or expenditure is at an advanced stage of implementation and termination of the project / expenditure would waste previously invested resources.

J. Source of Funds

On a fiscal year basis, how much of the total project cost ($ amount and %) would be absorbed by your agency from non-Pooled Technology and/or IOWAccess funds? If desired, provide additional comment / response below.

Response:

[This section to be scored by application evaluator.]
Evaluation (5 Points Maximum)

- 0% (0 points)

- 1%-12% (1 point)

- 13%-25% (2 points)

- 25%-38% (3 points)

- 39%-50% (4 points)

- Over 50% (5 points)

Section II: Financial Analysis

A. Project Budget Table

It is necessary to estimate and assign a useful life figure to each cost identified in the project budget. Useful life is the amount of time that project related equipment, products, or services are utilized before they are updated or replaced. In general, the useful life of hardware is three (3) years and the useful life of software is four (4) years. Depending upon the nature of the expense, the useful life for other project costs will vary between one (1) and four (4) years. On an exception basis, the useful life of individual project elements or the project as a whole may exceed four (4) years. Additionally, the ROI calculation must include all new annual ongoing costs that are project related.

The Total Annual Prorated Cost (State Share) will be calculated based on the following equation:

$$\left[\left(\frac{Budget\ Amount}{Useful\ Life}\right) \times \%\ State\ Share\right] + \left(Annual\ Ongoing\ Cost \times \%\ State\ Share\right) = Annual\ Prorated\ Cost$$

Budget Line Items	Budget Amount (1st Year Cost)	Useful Life (Years)	% State Share	Annual Ongoing Cost (After 1st Year)	% State Share	Annual Prorated Cost
Agency Staff	0					
Software	75,000	4	0			
Hardware	0					
Training	0					
Facilities	0					
Professional Services	0					
ITE Services	0					
Supplies, Maint, etc.	5000			5,000	100	5,000
Other	0					
Totals	80,000		0	5,000	100	5,000

B. Spending plan

Explain how the funds will be allocated.

   $75,000 will be expended toward the development, testing and implementation to production of the revised ISOR application. The cost of $5000 is the estimated cost of maintaining production and test environments as well as the annual A&A fees.

After the first year, $5000 will be the estimated cost of maintaining production and test environments as well as the annual A&A fees.

C. Tangible and/or Intangible Benefits

Respond to the following and transfer data to the ROI Financial Worksheet as necessary:

Annual Pre-Project Cost - This section should be completed only if state government operations costs are expected to be reduced as a result of project implementation. **Quantify actual state government direct and indirect costs** (personnel, support, equipment, etc.) associated with the activity, system or process prior to project implementation.

Describe Annual Pre-Project Cost:
 Currently two of our personnel spend approximately four hours weekly (2 hours each) in responding to matters and issues that could be handled on the web site with the proposed changes. Items such as having to shut down the web site, handling mapping errors, consumer usage issues and having to remove a registrant from the web site are some examples of the responses we currently deal with.

Quantify Annual Pre-Project Cost: Based upon our hourly rates we are paying approximately $5,192.72 annually.

	State Total
FTE Cost(salary plus benefits):	$5,192.72
Support Cost (i.e. office supplies, telephone, pagers, travel, etc.):	$0.00
Other Cost (expense items other than FTEs & support costs, i.e. indirect costs if applicable, etc.):	$0.00
Total Annual Pre-Project Cost:	$5,192.72

2. **Annual Post-Project Cost** - This section should be completed only if state government operations costs are expected to be reduced as a result of project implementation. **Quantify actual state government direct and indirect costs** (personnel, support, equipment, etc.) associated with the activity, system or process after project implementation.

Describe Annual Post-Project Cost:
 We anticipate the new features and information on the web site should eliminate the calls we currently receive and deal with as described above.

Quantify Annual Post-Project Cost: We anticipate no costs.

	State Total
FTE Cost(salary plus benefits):	$0.00
Support Cost (i.e. office supplies, telephone, pagers, travel, etc.):	$0.00
Other Cost (expense items other than FTEs & support costs, i.e. indirect costs if applicable, etc.):	$0.00
Total Annual Post-Project Cost:	$0.00

3. **Citizen Benefit** - Quantify the estimated annual value of the project to Iowa citizens. This includes the "hard cost" value of avoiding expenses ("hidden taxes") related to conducting business with State government. These expenses may be of a personal or business nature. They could be related to transportation, the time expended on the manual processing of governmental paperwork such as licenses or applications, taking time off work, mailing, or other similar expenses. As a "rule of thumb," use a value of $10 per hour for citizen time.

Describe savings justification:

 Citizens have the opportunity to receive notifications proactively thus allowing them to receive more timely updated information without having to take the time to check the website daily to determine if any changes have occurred that impact their area of concern.

Transaction Savings	
Number of annual online transactions:	24,165,048
Hours saved/transaction:	
Number of Citizens affected:	Unknown
Value of Citizen Hour	
Total Transaction Savings:	
Other Savings (Describe)	
Total Savings:	

4. **Opportunity Value/Risk or Loss Avoidance** - Quantify the estimated annual non-operations benefit to State government. This could include such items as qualifying for additional matching funds, avoiding the loss of matching funds, avoiding program penalties/sanctions or interest charges, avoiding risks to health/security/safety, avoiding the consequences of not complying with State or Federal laws, providing enhanced services, avoiding the consequences of not complying with enterprise technology standards, etc.
Response:
Failure to comply with the Adam Walsh Act can result in the loss of 10% of federal grant money given to the state of Iowa.

5.**Benefits Not Readily Quantifiable** - List and summarize the overall non-quantifiable benefits (i.e., IT innovation, unique system application, utilization of new technology, hidden taxes, improving the quality of life, reducing the government hassle factor, meeting a strategic goal, etc.).
Response:
The information provided to the citizens on the web site has the ability to prevent future sexual related crimes from occurring to the children (as well as adults) in our state as well as serving as a deterrence for the registrants to re-offend.

7. Iowa Sex Offender Public Registry ROI.doc

ROI Financial Worksheet	
A. Total Annual Pre-Project cost (State Share from Section II C1):	5,192.72
B. Total Annual Post-Project cost (State Share from Section II C2):	
State Government Benefit (= A-B):	5,192.72
Annual Benefit Summary:	
State Government Benefit:	
Citizen Benefit:	
Opportunity Value or Risk/Loss Avoidance Benefit:	
C. Total Annual Project Benefit:	
D. Annual Prorated Cost (From Budget Table):	
Benefit / Cost Ratio: (C/D) =	
Return On Investment (ROI): ((C-D) / Requested Project Funds) * 100 =	

[This section to be scored by application evaluator.]
Evaluation (15 Points Maximum)

- The financial analysis contains several questionable entries and provides minimal financial benefit to citizens (0-5 points).

- The financial analysis seems reasonable with few questionable entries and provides a moderate financial benefit to citizens (6-10 points).

- The financial analysis seems reasonable with no problem areas and provides maximum financial benefit to citizens (11-15).

Appendix A. Auditable Outcome Measures

For each of the following categories, list the auditable metrics for success after implementation and identify how they will be measured.

1. Improved customer service

Feedback from the citizens and law enforcement personnel. This is primary obtained from feedback received from the citizens as well as the increase in usage of the web site.

2. Citizen impact

Again, this is gauged from the feedback received from citizens.

3. Cost Savings

The cost savings will be realized in the amount of time the staff saves by being able to implement changes immediately on the web site. This will be determined through meetings with management and a review of the time spent with the new application as opposed to the time spent prior to the enhancements.

4. Project reengineering

Metrics to be used are the number of changes made by DPS staff where the changes are currently made by ITE staff.

5. Source of funds (Budget %)

The amount of funds saved by DPS performing the needed changes.

6. Tangible/Intangible benefits

Tangible benefits will include customer feedback and the time saved by DPS making changes to offender information as well as adding verbiage to the web site.

Intangible benefits will include the positive reaction of citizens and law enforcement personnel.