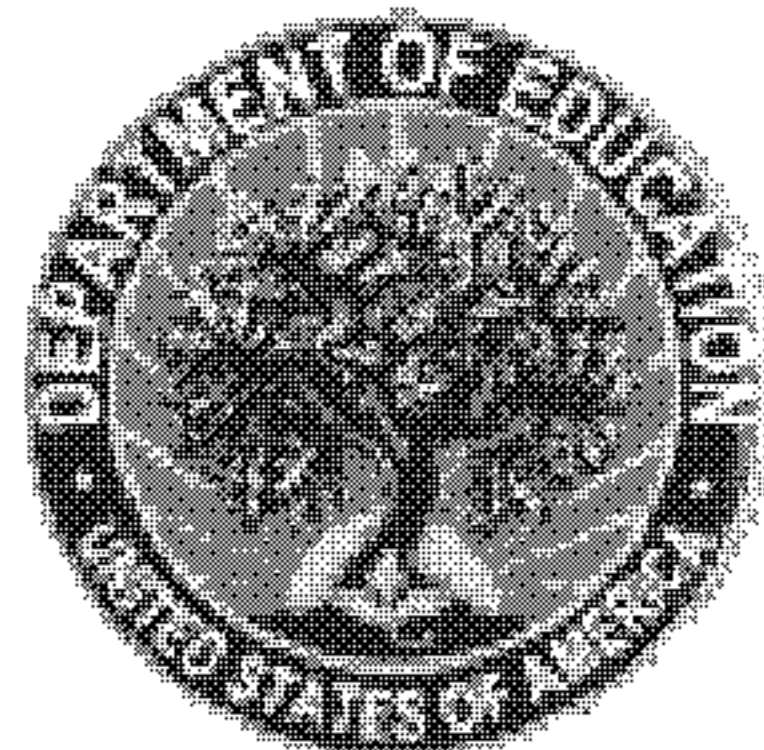


U.S. Department of Education

Washington, D.C. 20202-5335



APPLICATION FOR GRANTS UNDER THE

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS
CFDA # 84.384A
PR/Award # R384A100025**

Closing Date: DEC 04, 2009

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This application was generated using the PDF functionality. The PDF functionality automatically numbers the pages in this application. Some pages/sections of this application may contain 2 sets of page numbers, one set created by the applicant and the other set created by e-Application's PDF functionality. Page numbers created by the e-Application PDF functionality will be preceded by the letter e (for example, e1, e2, e3, etc.).

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission	* 2. Type of Application:* If Revision, select appropriate letter(s):	
<input type="checkbox"/> Preapplication	<input checked="" type="checkbox"/> New	
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Continuation	* Other (Specify)
<input type="checkbox"/> Changed/Corrected Application	<input type="checkbox"/> Revision	

* 3. Date Received:	4. Applicant Identifier:
12/4/2009	

5a. Federal Entity Identifier:	* 5b. Federal Award Identifier:
	n/a

State Use Only:

6. Date Received by State:	7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Delaware Department of Education

* b. Employer/Taxpayer Identification Number (EIN/TIN):	* c. Organizational DUNS:
516000279	878892124

d. Address:

* Street1:	401 Federal Street Suite 2
Street2:	Townsend Building
* City:	Dover
County:	Kent
State:	DE
Province:	
* Country:	USA
* Zip / Postal Code:	19901

e. Organizational Unit:

Department Name:	Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	Dr.	* First Name:	Bruce
Middle Name:	E		

* Last Name: Dacey

Suffix:

Title: Education Associate

Organizational Affiliation:

* Telephone Number: (302)735-4140 Fax Number: (302)739-4221

* Email: BDACEY@DOE.K12.DE.US

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

10. Name of Federal Agency:

U.S. Department of Education

11. Catalog of Federal Domestic Assistance Number:

84.384A

CFDA Title:

Statewide Longitudinal Data System Recovery Act Grants

*** 12. Funding Opportunity Number:**

NCES 09-02

Title:

Grants for Statewide, Longitudinal Data Systems under the American Recovery and Reinvestment Act of 2009

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

*** 15. Descriptive Title of Applicant's Project:**

Delaware's Autoated System for Educational Reporting (DASER)Grant Proposal

Attach supporting documents as specified in agency instructions.

Attachment:

Title :

File :

Attachment:

Title :

File :

Attachment:

Title :

File :

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant: DE

* b. Program/Project: DE

Attach an additional list of Program/Project Congressional Districts if needed.

Attachment:

Title :

File :

17. Proposed Project:

* a. Start Date: 7/1/2010

* b. End Date: 9/30/2013

18. Estimated Funding (\$):

a. Federal	\$ 6005034
b. Applicant	\$ 988850
c. State	\$ 0
d. Local	\$ 0
e. Other	\$ 0
f. Program	\$ 0
Income	
g. TOTAL	\$ 6993884

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on 12/3/2009.

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Ms. * First Name: Lillian

Middle Name:

* Last Name: Lowery

Suffix:

Title: Secretary of Education

* Telephone Number: (302)735-4000 Fax Number: (302)739-7668

* Email: LLOWERY@DOE.K12.DE.US

* Signature of Authorized Representative:

* Date Signed:

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.



U.S. DEPARTMENT OF EDUCATION

BUDGET INFORMATION

NON-CONSTRUCTION PROGRAMS

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:
Delaware Department of Education

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

SECTION A - BUDGET SUMMARY

U.S. DEPARTMENT OF EDUCATION FUNDS

Budget Categories	Project Year 1(a)	Project Year 2 (b)	Project Year 3 (c)	Project Year 4 (d)	Project Year 5 (e)	Total (f)
1. Personnel	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2. Fringe Benefits	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3. Travel	\$ 6,700	\$ 7,700	\$ 7,700	\$ 0	\$ 0	\$ 22,100
4. Equipment	\$ 152,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 152,000
5. Supplies	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
6. Contractual	\$ 2,464,150	\$ 1,558,800	\$ 1,559,640	\$ 0	\$ 0	\$ 5,582,590
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 83,448	\$ 83,448	\$ 0	\$ 0	\$ 0	\$ 166,896
9. Total Direct Costs (lines 1-8)	\$ 2,706,298	\$ 1,649,948	\$ 1,567,340	\$ 0	\$ 0	\$ 5,923,586
10. Indirect Costs*	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 2,706,298	\$ 1,649,948	\$ 1,567,340	\$ 0	\$ 0	\$ 5,923,586

***Indirect Cost Information (To Be Completed by Your Business Office):**

If you are requesting reimbursement for indirect costs on line 10, please answer the following questions:

(1) Do you have an Indirect Cost Rate Agreement approved by the Federal government? Yes No

(2) If yes, please provide the following information:

Period Covered by the Indirect Cost Rate Agreement: From: 7/1/2008 To: 6/30/2009 (mm/dd/yyyy)

Approving Federal agency: ED Other (please specify): _____ The Indirect Cost Rate is 5.4%

(3) For Restricted Rate Programs (check one) -- Are you using a restricted indirect cost rate that:

Is included in your approved Indirect Cost Rate Agreement? or, Complies with 34 CFR 76.564(c)(2)? The Restricted Indirect Cost Rate is 0%



U.S. DEPARTMENT OF EDUCATION

BUDGET INFORMATION

NON-CONSTRUCTION PROGRAMS

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:
Delaware Department of Education

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

SECTION B - BUDGET SUMMARY

NON-FEDERAL FUNDS

Budget Categories	Project Year 1(a)	Project Year 2 (b)	Project Year 3 (c)	Project Year 4 (d)	Project Year 5 (e)	Total (f)
1. Personnel	\$ 368,750	\$ 368,750	\$ 248,750	\$ 0	\$ 0	\$ 986,250
2. Fringe Benefits	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3. Travel	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
4. Equipment	\$ 2,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000
5. Supplies	\$ 200	\$ 200	\$ 200	\$ 0	\$ 0	\$ 600
6. Contractual	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 370,950	\$ 368,950	\$ 248,950	\$ 0	\$ 0	\$ 988,850
10. Indirect Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 370,950	\$ 368,950	\$ 248,950	\$ 0	\$ 0	\$ 988,850

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Standard Form 424B (Rev.7-97)

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management, and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. "4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. "1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. '794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. "276a to 276a-7), the Copeland Act (40 U.S.C. '276c and 18 U.S.C. "874) and the Contract Work Hours and Safety Standards Act (40 U.S.C. " 327-333), regarding labor standards for federally assisted construction sub-agreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. "1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. "7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. "1721 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance

of 1975, as amended (42 U.S.C. " 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) " 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. " 290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. ' 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with the provisions of the Hatch Act (5 U.S.C. "1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. '470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. "469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. "2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. "4801 et seq.) which prohibits the use of lead- based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

Signature of Authorized Certifying Representative:

Name of Authorized Certifying Representative: Lillian Lowery Ed. D.

Title: Secretary of Education

Date Submitted: 12/03/2009

Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action: <input type="checkbox"/> Contract <input checked="" type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Loan <input type="checkbox"/> Loan Guarantee <input type="checkbox"/> Loan Insurance	2. Status of Federal Action: <input type="checkbox"/> Bid/Offer/Application <input type="checkbox"/> Initial Award <input type="checkbox"/> Post-Award	3. Report Type: <input type="checkbox"/> Initial Filing <input type="checkbox"/> Material Change For Material Change only: Year: 0 Quarter: 0 Date of Last Report:
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier, if known: 0 Name: n/a Address: City: State: Zip Code + 4: - Congressional District, if known:	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Name: Address: City: State: Zip Code + 4: - Congressional District, if known:	
6. Federal Department/Agency:	7. Federal Program Name/Description: CFDA Number, if applicable:	
8. Federal Action Number, if known:	9. Award Amount, if known: \$0	
10. a. Name of Lobbying Registrant (if individual, last name, first name, MI): n/a Address: City: State: Zip Code + 4: -	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): n/a Address: City: State: Zip Code + 4: -	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Name: Lillian Lowery, Ed. D. Title: Secretary of Education Applicant: Delaware Department of Education Date: 12/03/2009	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements.

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal Loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance.

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

APPLICANT'S ORGANIZATION	
Delaware Department of Education	
PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE	
Prefix:	First Name: Lillian
Last Name: Lowery	Middle Name:
Title: Secretary of Education	Suffix:
Signature:	Date:
_____	12/03/2009

**SUPPLEMENTAL INFORMATION
REQUIRED FOR
DEPARTMENT OF EDUCATION GRANTS**

1. Project Director:

Prefix:	* First Name:	Middle Name:	* Last Name:	Suffix:
Dr.	Bruce	E	Dacey	

Address:

* Street1:	401 Federal Street Suite 2
Street2:	Townsend Building
* City:	Dover
County:	Kent
* State:	DE* Zip / Postal Code: 19901 * Country: USA

* Phone Number (give area code)	Fax Number (give area code)
(302)735-4140	(302)739-4221

Email Address:

BDACEY@DOE.K12.DE.US

2. Applicant Experience

Novice Applicant Yes No Not applicable

3. Human Subjects Research

Are any research activities involving human subjects planned at any time during the proposed project period?

Yes No

Are ALL the research activities proposed designated to be exempt from the regulations?

Yes Provide Exemption(s) #:

No Provide Assurance #, if available:

Please attach an explanation Narrative:

Attachment:

Title :

File :

Project Narrative

Project Narrative - Project Abstract

Attachment 1:

Title: Pages: **0** Uploaded File: **G:\Longitudinal Grant 2009\ProjectAbstract.doc**

PROJECT ABSTRACT

Title: Delaware's Automated System for Educational Reporting (DASER)

Main Contact: Bruce E. Dacey, Ed. D.

Description: The Delaware Department of Education (DDOE) has an abundance of data, but needs to improve in the many areas such as integrating data between preschool, K to 12, post-secondary institutions, and workforce development. Delaware state agencies, colleges and universities, and pre-school institutions need help in making their data systems compatible with the DDOE. The technology architecture (data structures/tables and applications) has evolved rather than been designed from a long term vision. As a result, the applications (eSchoolPlus, DELSIS and the data warehouse) are not optimized around a comprehensive data model that fosters easy expansion and use. Delaware is like a lot of other states in that we have limited funds and staff to make all of the changes needed to more effectively meet federal requirements. In addition Delaware is uniquely situated to be a model data system for the country.

For this and many other reasons, Delaware intends to apply for the Statewide Longitudinal Data Systems Grant to improve our systems structure for state and federal reporting, P-20 data integration, as well as set the standard for data systems around the country. Based on continuous feedback from our local school districts and charter schools, as well as the NCES Forum, EdFacts, and the Data Quality Campaign, Delaware will focus on the following areas. We will build with our agency partners a Client ID system to match clients among and between agencies to better serve them from pre-school to adulthood. We will make our system interoperable with other agencies, states, and systems by documenting the Information Systems Architecture. We will move from 'stovepipes' to a unified client management system data warehouse which will create standard codes, definitions, programming skills, ad hoc and programmed reports. This system will be enveloped around a new identify management system. Finally we propose to introduce an electronic transcript exchange system which will seamlessly communicate with instate and out of state colleges and workforce organizations.

Budget Request:

Year 1: \$2,704,298.00
Year 2: \$1,649,948.00
Year 3: \$1,650,788.00
Total: \$6,005,034.00

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: Pages: **0** Uploaded File: **G:\Longitudinal Grant 2009\ProjectNarrative.doc**

(a) Need for Project

Delaware is recognized nationally as possessing one of the country's most sophisticated and robust state longitudinal data systems. In fact, Delaware is one of a few states to possess all ten elements of the Data Quality Campaign's Ten Essential Elements of a Longitudinal Data System. Currently the Department of Education is responsible for education reporting for all public schools in Delaware. This includes 19 school districts and 18 charter schools. Together they serve more than 124,000 students.

The Department of Education accomplishes its reporting functions through the use of several disparate systems. These systems include the current State Longitudinal Data System called the Delaware Student Information System (DELSIS) and a statewide pupil accounting system called eSchoolPLUS from Sungard Pentamation. DELSIS is used to assign a unique student identifier that follows a student through their public K through 12 education careers and allows the Department of Education to link student information with other relevant data. DELSIS contains longitudinal data on students that dates back to 1994. eSchoolPLUS is hosted at the Department of Education in Dover, Delaware. Data from eSchoolPLUS populates a statewide consolidation database which contains near real-time data on every public school student in Delaware. This consolidated database is called eSchoolMaster and contains information such as student attendance, discipline, grades, schedules, state test scores, college readiness test scores (SAT and ACT), demographics, etc. Our statewide pupil accounting system together with DELSIS forms the basis for tracking student movements between schools and districts and is also used by the DDOE program managers, specifically Title 1, ELL, special education, and assessment.

Even though the various DDOE program managers who work with the school districts pay a great deal of attention to the quality of the data contained in the system, Delaware's current system is not perfect. DDOE currently spends many man-hours gathering, sorting, verifying, and generating reports for Federal agencies, state agencies, school districts, teachers, and parents. Although the data is available, the mechanism for performing these tasks is a manual, time consuming process. Also, the current Delaware SLDS lacks maturity in the areas of early childhood, the 21st Century workforce, post secondary, and the armed forces. DDOE plans to develop a new system that integrates past data, currently collected data, and data from other agencies and present it in a cohesive portal that will provide authentication and reporting for all DDOE customers ranging from the public stakeholders, to teachers, to parents of current students. This new system would be called the Delaware Automated System for Education Reporting (DASER) and would provide stakeholders with user-friendly access to information from the two primary components of the DDOE Education Longitudinal Data System: the K-12 Instructional Warehouse and the Enterprise Longitudinal Data Warehouse.

DASER would bridge the gap between the potential for data driven decision making and the actual delivery through the use of a dynamic reporting framework. Development of DASER would permit DDOE to improve on three key data system requirements identified in this competition, specifically, the first, second and fifth capabilities. First, it will enhance DDOE's

ability to analyze student-level data from pre-kindergarten through high school. It will also inform success and readiness for postsecondary education, the 21st Century workforce and the Armed Forces. Second, the grant will support the development of system interoperability between contributing state agencies as well as between Delaware and other states, in order to inform policy based on successful practices. Finally, DDOE intends to develop its capability for the expedient delivery of user-friendly data on student achievement and growth to school leaders, teachers, parents, and other key stakeholders so that all parties will receive the same timely and cogent data being used to drive continuous improvement and decision-making in Delaware's schools.

In order to fulfill the goals of DASER, several subsystems must be developed in order to link the K-12 Instructional Data Warehouse and the Enterprise Longitudinal Data Warehouse. Listed below is a brief description of each subsystem (more detail follows).

- **Client ID Crosswalk Subsystem:** This subsystem of DASER will collect and store different agency client identifiers and store them for matching and identification purposes. It will reduce the redundancy of data maintained by agencies and allow agencies to use current identification systems in conjunction with systems from other agencies.
- **Interoperability:** By using the above subsystem, DASER will allow the exchange of data among agencies and institutions within the State and between States to inform policy and practice. In order to ensure effective utilization, training is a key component in the use of this system and the project will include ongoing instruction for district data officials.
- **Client Management Subsystem Information Layer:** This subsystem will create a unified data processing and reporting system enveloped by an enterprise identity system. This subsystem is the workhorse of the back-end that brings all of the varied data and subsystems together into a larger warehouse with the needed metadata to provide DDOE and its customers with relevant reporting.
- **Enterprise Identity Management and Portal Subsystem:** This subsystem will ensure compliance with FERPA regulations, create confidence in our state partners that data will be safe and secure, and strengthen the DDOE user validation and authentication for access to different levels of data and sets of applications. It will provide distributed administration of the complex user roles and relationships to organizations necessary to provide appropriate access to confidential student data.
- **Enterprise Reporting Subsystem:** Data must be used, not merely collected, to answer critical questions about outcomes and performance, particularly at crucial transition points in the education pipeline. In addition, an ad-hoc reporting subsystem will be created which utilizes the Enterprise Identity Management System to validate user access and then determine what data can be used for reporting.
- **Student Record and Transcript Data Exchange Subsystem:** This subsystem will benefit Local Education Agencies (LEAs), State Education Agencies (SEAs) and the federal government by providing a common framework for student transcripts that will provide meaningful data from Pre-K through entry into the work force.

Delaware has been working on school reform and developing its education longitudinal data system in tandem with its reform efforts for many years. The Delaware Vision 2015 Plan and corresponding Vision Network is an example of the innovation public, private and civic stakeholders who have collaborated to implement Delaware's nationally acclaimed plan to develop a world-class public education system. The Vision Network presently boasts the participation of twenty-five schools, including three charter schools, and serves nearly 20,000 students. These Vision Network partners recognize the need for change and volunteered to focus on the critical areas of leadership and instruction. The Vision Network partners receive, among other things, training on how to use student data to drive decision-making and to adjust instruction to meet students' individual needs. DDOE's present Secretary of Education, Dr. Lillian Lowery, was formerly Superintendent of a Vision Network school district.

Delaware has also made gains by viewing its education pipeline through a P-20 lens. The Delaware P-20 Council was established in 2003 by Governor Ruth Ann Minner's Executive Order 47 and placed in statute in 2005. The Council's overall goal is to establish a logical progression of learning from early childhood to post-secondary education by reducing the need for remediation and with particular attention paid to transition points within the education pipeline. Delaware's P-20 Council has been one of the nation's most active and effective. The P-20 Council benefits from interagency cooperation and representation from state leaders, higher education, and Delaware's business community. Among its many successes, the P-20 Council proposed Delaware's more rigorous graduation requirements that were adopted by the State Board of Education. In addition, the P-20 Council recognized the need for increased data linkages between agencies and sectors to inform its decision making. The P-20 Data Committee was formed by the Council to establish the P-20 Data Cube, linking student level K-12 data to student- and course-level higher education data. The P-20 Data Cube is populated with data from both public and private sector institutions of higher education in Delaware.

Governor Jack Markell, upon his election in 2008, challenged DDOE to transform the public education system. Governor Markell views education as the cornerstone for Delaware's economic growth and quality of life for its citizenry. DDOE has presented the Markell Administration with a new strategic plan in support of this goal. The Delaware Department of Education Innovation Action Team Strategic Plan for the Delaware Public Education System is structured into Five Strategic Goals, each targeting key areas within the overall education system. The five key areas are: 1) Standards and Assessments, 2) Longitudinal Data Systems, 3) Teacher Quality, 4) Low-Performing Schools, and 5) Effective, Efficient Service Delivery. The Plan was developed over several weeks with input from diverse teams of stakeholders. These teams represented each of the Five Strategic Goals of the plan. The teams were asked to identify the most crucial objectives and strategies that would have the greatest impact on improvement in Delaware's public education system and lead it to serve as a model for the nation. In building its longitudinal data systems the DDOE Plan focuses on actions that will build

on existing data systems, including even more value-added data from other state agencies. Specifically, DDOE committed itself to engage in a concentrated initiative to increase the focus on data-driven decision-making in every area of school planning, from teachers to principals to district leaders to parents. This initiative represents a challenge for DDOE: that DDOE will significantly improve the extent to which it uses its sophisticated and robust data to support the assurances of the DDOE Plan. To this end, DDOE will build the data governance structures and processes that will ensure data is used more robustly, is more inclusive and is more accessible by more stakeholders.

The DASER system will serve as the core for all of our longitudinal data collections and include data from early childhood, kindergarten through high school, higher education, and career/workforce development. DDOE can address the weaknesses in the scope of its present Data Warehouse and reporting capabilities by linking the existing K-12 Instructional Data Warehouse with an expanded interagency Enterprise Longitudinal Data Warehouse. In its present systems, DDOE Technology Management and Design has identified the following weaknesses:

- The LDS currently does not include any workforce/labor data.
- There is little data on out-of-state college enrollment.
- K-12 reports are cumbersome to access and not user friendly.
- Reports do not answer the questions posed by a wide enough cross-section of stakeholders.
- We have limited data on Early Childhood.
- There is no cross-agency identity tracking method, making it hard to track students services and outcomes.

DASER's success in providing the information that will drive the continuous improvement called for in the DDOE Strategic Plan depends on putting inter- and intra-agency governance structures in place. These structures will address these weaknesses in addition to fostering interagency collaboration, robust use of data, privacy protection, and research and analysis. Strong outputs are expected by stakeholders and will be delivered when all system components and governance structures are in place.

Delaware Proven Success and Ability to Sustain the System

In 2005 Delaware possessed five of the 10 essential elements of a State Longitudinal Data System as defined by the Data Quality Campaign. After several years of hard work, we expanded our SLDS to encompass all ten elements in 2007. Delaware is unique in that we have several statewide data systems which support our ability to link students, teachers, and schools. The systems we have in place that provide a wealth of core data are:

- Statewide Pupil Accounting System that make use of unique student identifiers.
- Statewide Payroll System for tracking teachers and administrators across districts and schools.

- Statewide financial system which can be used to track expenditures across districts and schools.
- Statewide teacher licensure system with unique teacher and administrator identification.
- Longitudinal testing warehouse which contains test data back to 1997.

Once DASER and its subsystems have been designed, built, and implemented, we will re-direct current staff to maintaining the systems. We have implemented strong application development tracking processes to ensure that bugs are fixed and enhancements are planned for and fixed on a regular basis. All of our currently running data collections systems are routinely evaluated for needed maintenance, enhancements and updates, which are all scheduled annually. Given our successful track record with EDEN/EDFacts Reporting, and the expansion over time of our longitudinal data systems, we have the capacity to deliver DASER on time and to ensure its success and sustainability for the future.

(b) Project Outcomes Related to System Requirements and Implementation

Project Outcome 1: Client ID Crosswalk Subsystem

The Client ID Crosswalk Subsystem of DASER is central to resolving current issues of service fragmentation and would provide more stringent privacy protection of individuals and families by removing the possibility that any one agency would need to work with another's unit-record identifiers. Tiered levels of access to DASER will be more easily managed and the data elements that each access level has will be more finely tuned. Data governance structures will inform developers which stakeholders may use specific data elements and/or determine if access must be handled within the framework of informed client consent. Once complete and operational, the Client ID Crosswalk Subsystem would eliminate tasks that involve the manual matching of disparate identifiers in the present Enterprise Longitudinal Data Warehouse to produce reports that unify data elements. As this system reaches maturity, the level of sophistication of the information generated by the Enterprise Longitudinal Data Warehouse and accessed through DASER will increase dramatically. The Client ID Crosswalk Subsystem is the driver that will permit DASER to deliver a more comprehensive view of the totality of factors affecting an individual student's learning to instructional personnel. Other stakeholders will be able to see aggregated measures that are pertinent to their particular interests and roles in the education pipeline.

Tasks/Outputs – Client ID Crosswalk Subsystem

1. Build a layer of information above both the Enterprise Longitudinal Data Warehouse and the K-12 Instructional Data Warehouse that holds student-client identifiers (e.g. Department of Health and Social Services, Department of Education, Services for Children, Youth and Their Families, institutions of higher education). This layer is unlikely to reside on DDOE servers, given the multi-agency ownership of the Enterprise Longitudinal Data System. A location at the Delaware Department of Technology and Information is anticipated.
2. Determine validation and normalization techniques that will ensure efficient cross-agency identification and optimal functionality.
3. Assign responsibility for the management of the subsystem to the appropriate governing entity.
4. Test the ability of the Client ID Crosswalk Subsystem to track children receiving services across state agencies.

The Client ID Crosswalk Subsystem is the engine that drives DASER. It also performs the "policing" role of authenticating logins to DASER and pulling together the appropriate data elements in a user-friendly, graphical "dashboard" format. If this application for federal SLDS funds is successful, application development will be able to commence by the third quarter of the first year, with deployment, testing and maintenance plans in place by the end of the first year.

Project Outcome 2: Interoperability

State and district data personnel must be informed and trained on the data standards that the repositories behind DASER will utilize. An enterprise metadata dictionary is a foundational component that will be formalized and consolidated from the separate and disparate data dictionaries that are now maintained both within DDOE and among the external agencies that contribute data to the Enterprise Longitudinal Data Warehouse. The four assurances from the State Fiscal Stabilization Fund (SFSF), and the seven capabilities and 12 elements from the American Competes Act for our existing education longitudinal data require a sustainable policy, process and on-line application to access and manage our data definitions and align them to national standards. DDOE has a recently updated its enterprise metadata dictionary, but as yet has not incorporated interagency data definitions. The data dictionary does have the capacity to produce gap analysis reports for the requirements of specific reporting exercises (e.g. EDFACTS). In addition, an information systems architecture (ISA) is needed to bring together into a single resource guide all of the policies, procedures, standards, templates and processes that must be established and followed in order to permit the continuity of DASER and its components as personnel change within DDOE and the contributing agencies. A detailed data flow and process map will be created to describe how data are collected, stored and accessed across all internal and external administrative units. Much of this is presently documented within the DDOE K-12 Instructional Data Warehouse, but updating will be needed as DASER develops. Assignment of the monitoring and management of this effort will be made to the appropriate data governance entity. Finally we must be able to communicate clearly to our stakeholders what our policies and procedures are regarding the confidentiality of student-client data.

Tasks/Outputs – Interoperability

1. Develop a logical entity relationship diagram (ERD) design of the logical structure of the databases.
2. Develop an online metadata dictionary with statewide standard definitions and codes aligned with national standards.
3. Design and document an enterprise relational data model for DDOE and all agencies, organizations and school districts.
4. Develop policies and procedures to support interoperability by using standard data structures, formats and data definitions to ensure linkage and connectivity among the various levels and types of data.
5. Develop a sustainable policy guide and reference document consolidating laws, regulations, guidelines, policies, etc. related to the collection, storage, access, use and destruction of data.
6. Commence documentation of all quantitative, longitudinal statistics and/or indicators (e.g. dropout rate) and other key facts (e.g. disaggregation by school name).

