

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 # R384A100045**

Closing Date: DEC 04, 2009

****Table of Contents****

Forms

| | |
|----------------------------------------------------------|-----|
| 1. Application for Federal Assistance (SF-424) | e1 |
| 2. Standard Budget Sheet (ED 524) | e5 |
| 3. SF 424B - Assurances Non-Construction Programs | e7 |
| 4. Disclosure of Lobbying Activities | e9 |
| 5. ED 80-0013 Certification | e10 |
| 6. Dept of Education Supplemental Information for SF-424 | e11 |

Narratives

| | |
|-------------------------------------------------------------------------------|-----|
| 1. Project Narrative - (Project Narrative - Project Abstract...) | e12 |
| Indiana P-20 LDS 2G: Project Abstract | e13 |
| 2. Project Narrative - (Project Narrative - Project Narrative...) | e14 |
| Indiana P-20 LDS: The Next Generation (2G) | e15 |
| 3. Project Narrative - (Project Narrative - Appendix A, Optional Attach.....) | e45 |
| Appendix A | e46 |
| 4. Project Narrative - (Project Narrative - Appendix B Resumes of Key P.....) | e53 |
| Appendix B | e54 |
| 5. Project Narrative - (Project Narrative - Appendix C Current Status o.....) | e65 |
| Appendix C | e66 |
| 6. Project Narrative - (Project Narrative - Appendix D Letters of Support...) | e70 |
| Appendix D | e71 |
| 7. Budget Narrative - (Budget Narrative - Budget Justification...) | e76 |
| Budget Narrative-Budget Justification | e77 |
| 8. Budget Narrative - (Budget Narrative - ED 524 Section C Spreadsheet...) | e81 |
| Ed 524 Section C Spreadsheet | e82 |

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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: |
| | 84.384 |

State Use Only:

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

8. APPLICANT INFORMATION:

* a. Legal Name: Indiana Department of Education

| | |
|---------------------------------------------------------|---------------------------|
| * b. Employer/Taxpayer Identification Number (EIN/TIN): | * c. Organizational DUNS: |
| 356000158 | 824799209 |

d. Address:

| | |
|----------------------|----------------------|
| * Street1: | Room 229 State House |
| Street2: | |
| * City: | Indianapolis |
| County: | |
| State: | IN |
| Province: | |
| * Country: | USA |
| * Zip / Postal Code: | 46204 |

e. Organizational Unit:

| | |
|------------------------|------------------------------------------|
| Department Name: | Division Name: |
| Information Technology | Data Analysis, Collection, and Reporting |

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

| | | | |
|--------------|-----|---------------|-------|
| Prefix: | Dr. | * First Name: | Molly |
| Middle Name: | | | |

* Last Name: Chamberlin

Suffix:

Title: Director, Data Analysis, Collection, and Reporting

Organizational Affiliation:

* Telephone Number: (317)234-6849 Fax Number: (317)233-6326

* Email: MCHAMBER@DOE.IN.GOV

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:**

ED-GRANTS-072909-001

Title:

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

13. Competition Identification Number:

84-384A2009-1

Title:

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

State

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

Indiana P-20 LDS: The Next Generation (2G)

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: IN-all

* b. Program/Project: IN-all

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

Attachment:

Title :

File :

17. Proposed Project:

* a. Start Date: 6/1/2010

* b. End Date: 5/31/2013

18. Estimated Funding (\$):

| | |
|----------------------|-------------|
| a. Federal | \$ 14673733 |
| b. Applicant | \$ 0 |
| c. State | \$ 1800000 |
| d. Local | \$ 0 |
| e. Other | \$ 0 |
| f. Program Income | \$ 0 |
| g. TOTAL | \$ 16473733 |

*** 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 .

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: Mr. * First Name: Jason

Middle Name:

* Last Name: Thacker

Suffix:

Title: Chief Information Officer

* Telephone Number: (317)232-0807 Fax Number: (317)233-6326

* Email: JTHACKER@DOE.IN.GOV

* 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:
Indiana 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 | \$ 228,206 | \$ 228,206 | \$ 228,206 | \$ 0 | \$ 0 | \$ 684,618 |
| 2. Fringe Benefits | \$ 79,872 | \$ 79,872 | \$ 79,872 | \$ 0 | \$ 0 | \$ 239,616 |
| 3. Travel | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 0 | \$ 0 | \$ 30,000 |
| 4. Equipment | \$ 417,500 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 417,500 |
| 5. Supplies | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 6. Contractual | \$ 4,774,000 | \$ 4,889,000 | \$ 3,399,000 | \$ 0 | \$ 0 | \$ 13,062,000 |
| 7. Construction | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 8. Other | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 0 | \$ 0 | \$ 150,000 |
| 9. Total Direct Costs (lines 1-8) | \$ 5,559,578 | \$ 5,257,078 | \$ 3,767,078 | \$ 0 | \$ 0 | \$ 14,583,734 |
| 10. Indirect Costs* | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 0 | \$ 0 | \$ 90,000 |
| 11. Training Stipends | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 12. Total Costs (lines 9-11) | \$ 5,589,578 | \$ 5,287,078 | \$ 3,797,078 | \$ 0 | \$ 0 | \$ 14,673,734 |

***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

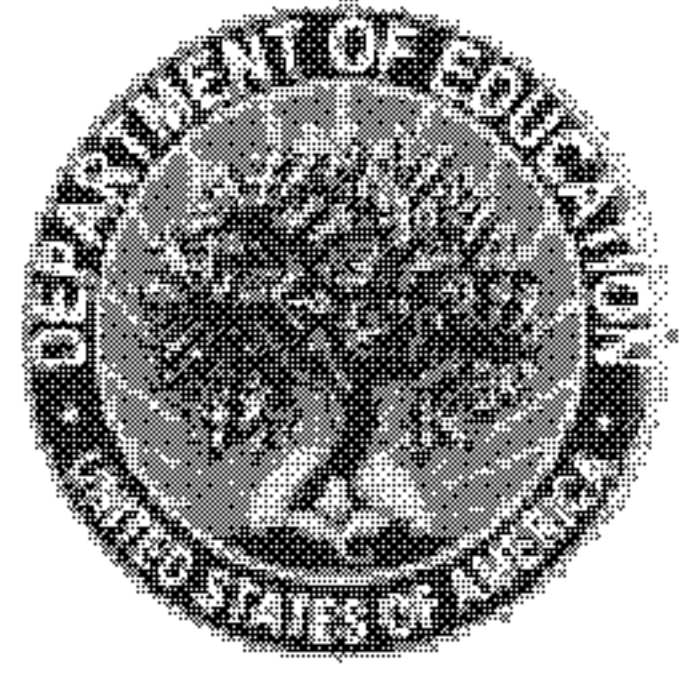
(2) If yes, please provide the following information:

Period Covered by the Indirect Cost Rate Agreement: From: 7/1/2007 To: 6/30/2010 (mm/dd/yyyy)

Approving Federal agency: ED Other (please specify): _____ The Indirect Cost Rate is 0%

(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:
 Indiana 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 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 2. Fringe Benefits | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 3. Travel | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 4. Equipment | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 5. Supplies | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 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) | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 10. Indirect Costs | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 11. Training Stipends | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| 12. Total Costs (lines 9-11) | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

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: Jason Thacker

Title: Chief Information Officer

Date Submitted: 12/04/2009

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 checked="" type="checkbox"/> Initial Award <input type="checkbox"/> Post-Award | 3. Report Type: <input checked="" 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: Indiana Department of Education Address: Room 229 State House City: Indianapolis State: IN Zip Code + 4: 46204- | 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: Institute of Education Sciences | 7. Federal Program Name/Description: Grants for Statewide Longitudinal Data S CFDA Number, if applicable: 84.384 | |
| 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): Address: City: State: Zip Code + 4: - | b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): 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: Jason Thacker Title: Chief Information Officer Applicant: Indiana Department of Education Date: 12/04/2009 | |
| 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

Indiana Department of Education

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: First Name: Jason Middle Name:

Last Name: Thacker Suffix:

Title: Chief Information Officer

Signature: _____ Date: 12/04/2009

Project Narrative

Project Narrative - Project Abstract

Attachment 1:

Title: **Indiana P-20 LDS 2G: Project Abstract** Pages: **0** Uploaded File: **C:\Documents and Settings\mchamber\My Documents\Longitudinal Data Systems Grant\Indiana P-20 LDS 2G_abstract.doc**

Project Abstract

The Indiana Department of Education (IDOE) plans to use funds from the Statewide Longitudinal Data System Grant to ensure that its SLDS project, titled Indiana P-20 LDS: The Next Generation (2G), is fully able to meet all required systems capabilities and elements under the America COMPETES Act.

The proposed project will allow Indiana to improve data exchange and linkages, data interoperability, and data accessibility for informed decision making. With Indiana LDS 2G, Indiana will build on the success it has had with its 2007 SLDS grant (Indiana P-20 LDS). Under its current grant, Indiana has worked toward making data available to classroom teachers through its Learning Connection project; creating an enterprise data warehouse; piloting data linkages with workforce and higher education; increasing data quality and reducing redundancy; and improving data governance.

The first goal of the project is the realization of an automated, real-time data exchange solution, allowing for two-way data exchange (from schools to IDOE, and from IDOE to schools); promoting data interoperability, higher quality data, and timelier access to relevant data. In addition, it will decrease burden around manual data reporting and validation, freeing up district resources to focus on data quality and data usage for student achievement. By accomplishing this goal, Indiana will achieve the outcomes of supporting interoperability by using standard data structures, formats, and definitions; more accurately linking student and teacher data; further ensuring the overall quality and integrity of data; and increasing the ability of the state to provide timely and accurate data for federal reporting.

The second project goal is that student-level transcript data are available for secure exchange; data are standardized and interoperable in that a single transcript format is used and state and local course codes are mapped to SCED; and PK-12 and higher education data are fully linked and integrated through a transcript repository, allowing for quicker, more seamless student transitions, diploma auditing, high school feedback reports, and evaluation. By achieving this goal, Indiana will achieve the outcomes of fully integrating K-12 and higher education data, as well as being able to examine student progress over time, provide data on successful transitions, and provide information necessary to address alignment and preparation for postsecondary success.

The third goal of the project is to increase timely and secure access to data (especially at the classroom level), as well as to build the capacity of local educators to utilize data and provide data-driven instruction, resulting in increased student achievement. Indiana will build on its Learning Connection project to include additional longitudinal data (including postsecondary data), further data analysis tools, and targeted professional development around data-driven instruction. By achieving this goal, Indiana will achieve the outcomes of enabling data to be generated for continuous improvement and decision making and providing information about successful student transition.

Indiana is confident that the achievement of its core project goals will attain the ultimate vision of a P-20 data system that supports informed decision making for all stakeholders, ultimately resulting in increased achievement and attainment statewide.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: **Indiana P-20 LDS: The Next Generation (2G)** Pages: **0** Uploaded File: **C:\Documents and Settings\mchamber\My Documents\Longitudinal Data Systems Grant\2009 Indiana SLDS Application_Indiana LDS The Next Generation (2G)_final.doc**

Table of Contents

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PROJECT NARRATIVE | 1 |
| A). NEED FOR THE PROJECT..... | 1 |
| <i>Capabilities of IDOE’s Current SLDS and Progress Toward Meeting Requirements</i> | 3 |
| <i>Limitations of the Current System and Project Need</i> | 7 |
| <i>Automated Real-Time Data Exchange and Data Interoperability</i> | 7 |
| <i>E-Transcript, Transcript Repository, and Transcript Standardization</i> | 9 |
| <i>The Learning Connection and Public Web Enhancements</i> | 11 |
| <i>Summary of Needs</i> | 13 |
| B). PROJECT OUTCOMES RELATED TO SYSTEM REQUIREMENTS AND IMPLEMENTATION | 13 |
| <i>Core Element One: Data Interoperability and Statewide Capacity for Automated, Real-Time Data Exchange Between IDOE and Schools</i> | 14 |
| <i>Core Element Two: Full Integration of K-12 and Postsecondary Data with E-Transcript Exchange, E-Transcript Repository, and Transcript Standardization</i> | 15 |
| <i>Core Element Three: Timely and Secure Access to Data and an Increase in Local-Level Capacity for Data Driven Instruction</i> | 16 |
| <i>Evaluation</i> | 17 |
| C). TIMELINE FOR PROJECT OUTCOMES | 17 |
| <i>Core Element One: Data Interoperability and Statewide Capacity for Automated, Real-Time Data Exchange Between IDOE and Schools</i> | 18 |
| <i>Core Element Two: Full Integration of K-12 and Postsecondary Data with E-Transcript Exchange, E-Transcript Repository, and Transcript Standardization</i> | 19 |
| <i>Core Element Three: Timely and Secure Access to Longitudinal Data and an Increase in Local-Level Capacity for Data Driven Instruction</i> | 19 |
| D). PROJECT MANAGEMENT AND GOVERNANCE PLAN | 21 |
| <i>Governance Structure</i> | 21 |
| <i>Project Management</i> | 23 |
| E). STAFFING | 24 |
| <i>Additional Agency Support</i> | 24 |
| <i>Project Personnel and Resources</i> | 24 |
| <i>Subject Matter Experts/Data Stewards</i> | 28 |
| <i>Contract Support</i> | 28 |
| <i>External Development Teams/Vendors</i> | 28 |
| <i>External Evaluator</i> | 29 |

Project Narrative

a). Need for the Project

The vision of the proposed project is to make full use of Indiana's P-20 education data system as an exchange tool for informed decision making for all stakeholders, resulting in increased achievement and attainment statewide. Grant funds will allow the Indiana Department of Education (IDOE) to achieve its vision of a fully functional P-20 data exchange system. Such a system will meet all America COMPETES requirements and capabilities, including but not limited to enhancing linkages between K-12, higher education, and the workforce; availability of robust course completion data; implementation of a real-time automated data exchange solution with SIF-compliant interoperability standards; and, perhaps most importantly, the ability to share data with stakeholders (such as educators, parents, and policymakers) in a clear and usable, yet secure and FERPA-compliant manner.

The proposed system will allow Indiana to address requirements of the State Fiscal Stabilization Fund, especially around data exchange and matching capabilities across K-12 and higher education institutions; increased data quality and availability through real-time, secure data access and exchange; the facilitation of data review and analysis at the classroom level; data interoperability; increased data integration, including the ability to link teachers to students in real time and examine course completion and course taking patterns; reduction in data entry and reporting burden for school districts, resulting in more time to focus on data quality and high quality classroom instruction; and improved functions for longitudinal analysis from pre-kindergarten into the workforce. While Indiana has had success in implementing projects that will help realize all requirements and capabilities of a longitudinal data system, ARRA funds being requested through this proposal will help Indiana's longitudinal data system achieve its full utility.

Currently, Indiana has completed or is in progress to complete eight of the twelve required elements of the America COMPETES Act (elements 1-2 and 4-8). Additionally, Indiana has completed all K-12 aspects of element 3 (student-level information about the points at which students exit, transfer in and out, and drop out of or complete P-16 programs). Indiana has begun preliminary work on elements 7 (course completion data), 11 (transition to postsecondary education), and 12 (other information necessary to address alignment and preparation).

Indiana received a SLDS grant in 2007. IDOE has been successful at implementing a number of initiatives through this grant. IDOE's 2007 SLDS grant efforts have focused on providing data to teachers at the classroom level through the Learning Connection (described below); piloting data linkages between K-12, higher education, and the workforce; developing a data warehouse; developing and implementing a data governance system (data stewards, data sharing agreements, and data request processes); and increasing data quality and reducing data redundancy.

Using grant funds, Indiana developed the first iteration of a teacher tool (portal) called the Learning Connection. A free service to Indiana educators, the Learning Connection provides secure access to key student achievement data while serving as a common platform for lesson planning, curriculum design, and collaboration.

Once completed, the Learning Connection will promote customization and personalized access to data and classroom materials. Teachers will have rights to see student-level data for students they serve and will be able to provide their colleagues with guest access to class materials, but not to data about students in those classes. Teachers will have the ability to subscribe to content

from educational organizations beyond their school (e.g., professional organizations, education service centers, etc.). School and district administrators will have access to data at the level of their organization (i.e., school or district). Administrator accounts will also have the ability to create users and manage permissions. District administrators will be able to assign users to appropriate schools. Parents and students will be able to access information produced within the portal and shared publicly on the Web (however, no student-level information will be presented in an unsecured environment). At the discretion of the school or district, parents and students may receive additional login access to profiles of student achievement. Educational organizations may also use the portal as a means of working with pre-service and practicing teachers. These organizations will have accounts with rights that parallel those of schools but with no access to students or their information.

In addition to making data more available to educators, the state has also undertaken steps to reduce data reporting redundancy and increase data integrity through its data steward program. There are 29 data stewards responsible for data collections from key programs, including Title I, special education, accreditation, alternative education, and McKinney-Vento homeless. Data stewards participate in monthly meetings as well as quarterly small group trainings. When a data steward's collection is open, s/he is responsible for reviewing data summary reports and contacting IT staff with any data that may appear to be inaccurate. Data stewards are also responsible for sharing information with other data stewards about their data collections and reviewing relevant data for federal reporting through *EDFacts*. Currently the data steward program is at the state level only; however, recently IT staff and data stewards have begun piloting a series of WebEx trainings for local level personnel around data collections and data quality. Ultimately, the desire is that the WebEx trainings become a certification program for data stewards at the local level. To further increase data quality, IDOE has implemented additional data validation checks, exception reports, and post-collection summary reports. To reduce data redundancy, IDOE has reviewed all of its student-level data collections through a Web service call STN (Student Test Number) Application Center (described in detail below) and removed all data fields determined to be unnecessary or redundant (collected elsewhere). Through this project, IDOE removed over 45 fields. IDOE is also currently undertaking a project to inventory all of its non-STN data collections, eliminate those that are no longer necessary or redundant, and identify whether collections can be moved to the STN Application Center.

Under its current grant, IDOE has also begun efforts to create an enterprise data warehouse. Detailed information about the data warehouse project is provided below, in the Capabilities section. IDOE has also begun to work toward matching K-12 data to data collected by the Indiana Commission for Higher Education (CHE) and Indiana's Department of Workforce Development (DWD).

While current efforts are promising, there is much additional work to be done in order to meet all of the requirements and demonstrate all of the capabilities of a fully functional statewide longitudinal data system. Timely access to data and data exchange remains an issue, as IDOE's data collection system currently collects data only at periodic intervals throughout the year; therefore, real-time data collection and reporting is nearly impossible. Additionally, IDOE requires school districts to submit data manually, using the STN Application Center; moreover, interoperability standards are not in place. The implementation of a vertical interoperability solution which allows for automated, real-time data exchange while meeting SIF interoperability standards would reduce the burden on school districts of manually validating and reporting data.

In addition, the real-time nature of the data exchange would improve data quality by allowing for frequent and timely data validation and exception reports.

The IDOE and its partner agencies (DWD, Department of Workforce Development and CHE, Commission for Higher Education) also aim to increase the state's P-20 infrastructure by enhancing its e-transcript initiative to include college to college XML transcript exchange. Moreover, the IDOE plans to support the creation of a transcript repository with a number of reporting capabilities, including the production of high school feedback reports and diploma audits. The transcript repository will be populated with both high school and postsecondary data and will also facilitate the matching of data between K-12 and postsecondary. Finally, IDOE will increase the interoperability of its transcript data by mapping its state and local course codes to SCED (School Codes for the Exchange of Data).

Capabilities of IDOE's Current SLDS and Progress Toward Meeting Requirements

IDOE has made significant progress toward meeting the requirements of a robust SLDS, both using federal funding through the SLDS grant project, as well as using state and other funding. For a synopsis of IDOE's progress toward meeting requirements, as well as funding sources, refer to Appendix C. This section will discuss IDOE's progress toward meeting requirements, as well as its plans for further progress in fully meeting requirements using ARRA funds.

Using its Student Test Number (STN), a unique identifier that is not associated with Social Security Number (SSN) or any other type of official identification, IDOE currently maintains a fairly large repository of longitudinal data. Using STN, school districts upload data through the STN Application Center, a Web service. IDOE collects data on student demographics (including limited English proficiency and homeless status), program participation (such as Title I, special education, alternative education, and career and technical education), performance on various assessments, students not tested and reasons for not testing, dropout and mobility, and graduation, as well as post-secondary plans. Since the STN allows for tracking students across multiple years (across a student's entire K-12 career), IDOE was able to implement a graduation cohort calculation earlier than most states. The graduation cohort rate was used officially for the first time in 2005-2006. In terms of assessment data, IDOE receives data at the student level for ISTEP+ (state standardized assessment), LAS Links (LEP assessment), ISTAR (Indiana's alternate assessment), End of Course Assessments, ACT, SAT, AP, and (beginning in January 2010) PSAT. Finally, IDOE has also used student-level data collected to create an at-risk indicator tool. The tool, housed within the STN Application Center (described below), identifies eighth grade students who may be at risk of not graduating, based on failing ISTEP+ for two consecutive years (7th and 8th grade); retention in the same grade (8th grade to 8th grade); high mobility (number of schools attended in the past four years); and attendance rate.

Student-level data (as well as teacher- and administrator-level data) are uploaded to IDOE from local educational agencies (LEAs), accredited non-public schools, and freeway schools.¹ IDOE's mechanism for receiving school data is a Web application called STN Application Center. LEAs load data at specified periods of the year, according to published file specifications, in csv, positional, or XML format. At the time of data upload, Application Center performs a variety of data quality checks and validations, according to the specific requirements for each data collection. Cross-field and cross-collection validations are performed and individual records (or entire files) not meeting requirements are rejected with error messages and instructions for correction. Additionally, post-collection summary and exception reports are made available to

¹ Freeway schools are defined in Indiana Code 20-26-15

