



MICHIGAN DEPARTMENT OF EDUCATION

NEW BRIDGES: BUILDING MICHIGAN'S CAPACITY FOR A LONGITUDINAL P-20 AND WORKFORCE DATA DECISION SUPPORT SYSTEM

Project Start Date: 4/1/2009

Project End Date: 3/31/2012

Amount Awarded: \$5,517,228

The scope of the work outlined in Michigan's grant application is focused on developing an automated analytical data store and reporting infrastructure, as well as building the capacity to add postsecondary data, workforce data and e-transcript system enhancements to its student data system. Building on work partially supported by a SLDS 2005 grant, Michigan proposes a blend of three foundation and seven expansion activities.

Foundation activities include:

- 1 – Complete a requirements gathering report detailing longitudinal data decision support needs including performance measures and important disaggregating characteristics identified by local education agency (LEA) leaders and educators, state program administrators and state policymakers to move beyond minimal compliance toward decision support reporting.
- 2 – Create longitudinal data marts and online analytical processing (OLAP) cubes from P-12 student data to create an efficient analytical data store system by automating current manual processes.
- 3 – Dynamically update reports that allow LEA leaders and educators, state program administrators, policy makers and the public to select report parameters.

Expansion activities include:

- 1 – Complete requirements gathering report of postsecondary institution and LEA pilot partners to determine student data items to exchange, federal and state reporting requirements that could be met more efficiently, how linkages with higher education data can be made at each institution, and a funding model to support changes to postsecondary systems.
- 2 – Create data governance, model policies, agreements and memoranda of understanding to support connecting P-20 student and workforce data in a manner that clearly articulates the appropriate uses of data, analyses and reports, while protecting individuals' rights and privacy.
- 3 – Expand the P-12 Unique Identification Code (UIC) Web service and online interface to postsecondary, state workforce and student financial aid systems.
- 4 – Develop a prototype of P-20 longitudinal student analytical data store that adds postsecondary student and financial aid data to the Michigan Student Data System (MSDS) P-12 data collection system.
- 5 – Develop a prototype of an education and workforce longitudinal analytical data store connecting available state workforce data and the longitudinal P-20 student and financial aid analytical data store.
- 6 – Develop prototype reports for postsecondary leaders, state administrative users, policy makers, and the public, including improved federal reporting for the Carl D. Perkins Tech Prep federal grants, as well as secondary transition services under IDEA.

7 – Add enhancements to a basic electronic student transcript service to standardize core transcript data fields and course names to national standards, exchange UICs and student academic and enrollment information across educational settings, and provide curriculum "audit" functionality. All of these activities are proposed to answer policy questions that will allow Michigan to strategically target its resources to achieve the Governor's goal of doubling the number of Michigan residents with degrees and other postsecondary credentials of value in order to transform its economy.