

Data Infrastructure Modernization Project

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THECB is data rich, however,...

- Texas' 30-year history of data collection has resulted in student-level information spanning K-12, higher education, and workforce
- THECB also serves as the hub for combined data that services three Education Research Centers and Texas Public Education Information Resource, the state's P-20 longitudinal data repository
- Extraordinary amount of detailed data is available on agency websites

HOWEVER

- Data have been underutilized for insight and improvement opportunities, particularly in ways easily used by institutions and stakeholders
- Internal systems and collections have grown up over time without the benefit of a master plan centered on stakeholder/user needs and architected for flexibility and dynamic access



Project Vision and Goals

- Vision: Equip internal and external stakeholders with improved insight and data for decision-making purposes
- Goals:
 - Design and implement a modern, flexible data architecture that delivers user-centered value and allows for dynamic access with robust governance and security/confidentiality/privacy controls
 - Identify and deliver high-priority reports and/or dashboards utilizing current data
 - Evolve current processes and websites to support new offerings

Timeline and Key Activities

Phase 1

- Planning (4-6 months)

- Stakeholder outreach to inform priorities
- Assessment of current state
- Evaluation of potential architectural approaches
- Assessment and updates to governance practices and existing websites



Phase 2

- Detailed Design (4 months)

- Detailed technical design for infrastructure
- Design and delivery of prioritized reports and/or dashboards, as feasible
- Development and execution of procurement strategy/strategies



Phase 3

- Implementation (TBD)

- Phased implementation based on design and procurement approach(es)
- Continued feedback and iteration on reports and/or dashboards

Questions?

For more information, please contact
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