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## 2011 Innovations Awards Application

**DEADLINE: MARCH 28, 2011**

ID # (assigned by CSG): 2011- \_\_\_\_\_

Please provide the following information, adding space as necessary:

State:     Kentucky    

- Assign Program Category (applicant): **Information Systems**

1. Program Name – **Transportation Enterprise Database (TED)**
2. Administering Agency – **Kentucky Transportation Cabinet**
3. Contact Person (Name and Title) – **Jon Clark, Executive Director, Office of Information Technology**
4. Address – **200 Mero Street, Frankfort KY. 40622**
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7. E-mail Address – **jon.clark@ky.gov**
8. Web site Address – **http://transportation.ky.gov/**
9. Please provide a two-sentence description of the program. **The Enterprise Data Warehouse brings data collected from multiple disparate systems together to create an aggregate view of related information. The warehouse has enabled increased “transparency” thru data availability and reporting, satisfying numerous federal and state mandated reporting obligations.**
10. How long has this program been operational (month and year)? Note: the program must be between 9 months and 5 years old on March 28, 2011 to be considered. **July 1, 2006**
11. Why was the program created? **The Commonwealth’s old financial system (MARS) was upgraded in 2006 and required substantial subsystems validation interfaces with the new financial system (eMARS) and the Department of Highway’s Program Management data source for the Project Managers Toolbox.**
12. What problem[s] or issue[s] was it designed to address? **It was designed to provide project management capability including financial resource management, reporting and data for the development of an executive presentation layer.**
13. Describe the specific activities and operations of the program in chronological order.
  - 1) **Developed enterprise data architecture**
  - 2) **Acquired and configured infra-structure (Hardware / Software)**
  - 3) **Implementation**
14. Why is the program a new and creative approach or method? **Until TED, it was impossible to have a “cradle-to-grave” view for all highway projects and assets from disparate systems.**
15. What were the program’s start-up costs? (Provide details about specific purchases for this program, staffing needs and other financial expenditures, as well as existing materials, technology and staff already in place.) **Initial start-up cost was \$2.0 million.**
16. What are the program’s annual operational costs? **Approximately \$800,000.**
17. How is the program funded? **The initial start-up cost (\$2.0 million) was funded through a capital project approved by the Kentucky General Assembly. The program recently received an additional \$1.5 million capital**

project appropriation for a substantial upgrade. The annual operating costs are appropriated through the biennial budget process.

18. Did this program require the passage of legislation, executive order or regulations? If YES, please indicate the citation number. The initial start-up funding (\$2.0 million) was appropriated in House Bill 267 during the 2005 Regular Session of the Kentucky General Assembly. The recent upgrade (\$1.5 million) was funded through House Bill 3 as passed during the 2010 Extraordinary Session of the Kentucky General Assembly. Other than the funding appropriation, no other legislation, executive orders or regulation changes were required.

19. What equipment, technology and software are used to operate and administer this program? SAP Business Objects Data Quality for data management and governance, SAP Business Objects Web / Desktop Intelligence for reporting, Oracle version 11g for database storage, Dell blade technology.

20. To the best of your knowledge, did this program originate in your state? If YES, please indicate the innovator's name, present address, telephone number and e-mail address. No.

21. Are you aware of similar programs in other states? If YES, which ones and how does this program differ? No.

22. Has the program been fully implemented? If NO, what actions remain to be taken? Yes, but the program continues to grow and mature.

23. Briefly evaluate (pro and con) the program's effectiveness in addressing the defined problem[s] or issue[s]. Provide tangible examples. (Pro) "Cradle-to-grave" information, pulled from many disparate systems, is available for all highway projects and assets.

24. How has the program grown and/or changed since its inception? As technologies advance, we find new ways to leverage our data warehouse. The advances are ever-changing and growing rapidly.

25. What limitations or obstacles might other states expect to encounter if they attempt to adopt this program? You must have "buy-in" from executive level management. The Kentucky Transportation Cabinet has been very fortunate in this area.

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