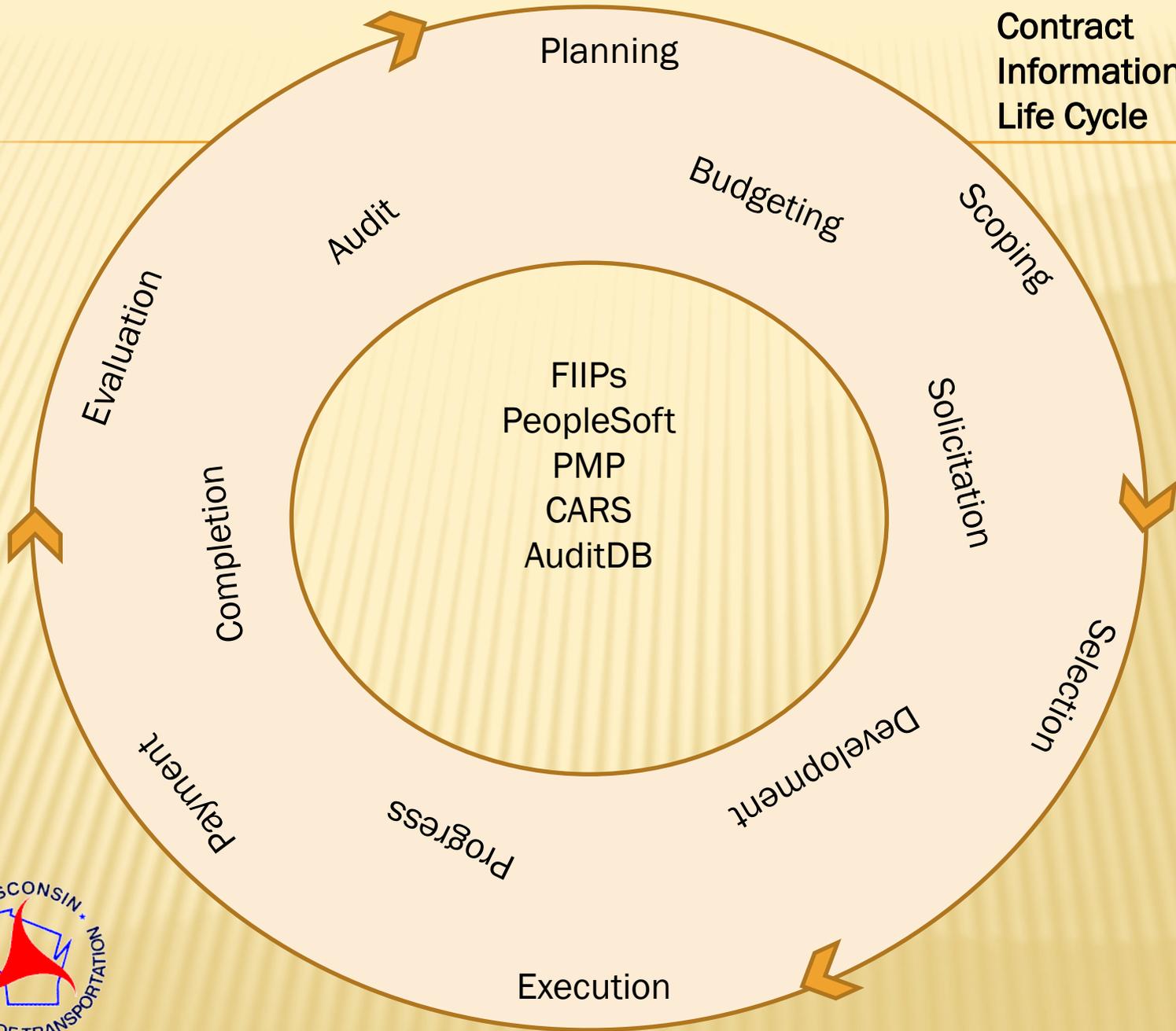


Contract Information System Life Cycle



Project Description

Econtracting Development Summary: This phase will include integration with previous implemented functions in CARS and include the planning, design, development and implementation of new functions that include:

- project delivery estimating
- integration with audit system
- consultant registration
- contract solicitation
- contract selection
- contract development
- contract execution
- contract progress
- evaluation
- management reporting

It will also provide access to a reporting and analysis data warehouse concept and integration with financial and other project related systems to provide and track various performance measures and other tools used for estimating and negotiating contracts.

Contract Solicitation/Selection/Development/Execution: Develop functionality and data tables to estimate, scope, request approval for and solicit contracts chosen for consultant services. The system will also allow for a selection of awarded consultant and the development of contracts negotiated. Once negotiated, the system will allow contract execution through various submittal processes with various business areas of the organization and integrate with PeopleSoft to move data on cost to that system. WisDOT will be researching other state systems to accomplish this functionality. The goal would be to educate and learn from their experiences and sharing of requirements, source code, and data structure.

PeopleSoft Integration: With the implementation of PeopleSoft in late 2015, CARS will need some re-development of data table structure and reports. Data elements of PeopleSoft are unknown at this time, however, it is anticipated that financial elements of CARS will change. (e.g. object codes, program codes, contract numbers, etc.)

Data Warehouse Integration: To gain data analysis tools for scoping, estimating, negotiations, performance measures, a data warehouse will need to be developed to allow data extraction and integration with other department data sources. This work can be done in parallel with the DTSD data warehouse activities.

Other System Integration: As Phase III is designed other systems within the department may be identified that data will need to be sent to CARS or pulled from to fill in CARS. (e.g. structure type, life cycle stage, financial status, etc.)

Reporting: With tracking of information now available in an automated processes, needed reports to help with business functions will need to be identified. (e.g. estimating tools with average hours to complete work, original estimate vs. final paid information, performance related comparisons, etc.)

Maintenance: Maintenance of tables and clean up of current data will be an on-going effort to improve data integrity and consistency of administration of contracts. Some of this work will be a manual entry and some will be automated. (e.g. vendor name additions/changes/deletions, function types, project engineer list, federal funding amounts, etc.)

Phase I and II Additions/Enhancements: (Invoicing/Evaluation/Contract Creation/Reports/Security): Phase I and II implementations had several functions/tasks that were not developed due to time constraints or other systems were not available to integrate to. These functions include integration with PeopleSoft and the invoicing processes, added data fields to accommodate work processes and other fields as required for the automation of functionality listed above.

Audit: The integration of CARS with current Audit/PeopleSoft System will involve the addition of various data fields added to CARS for the Audit system to pull from CARS. These fields would include but not limited to overhead lifecycle changes, audit status, project status and provisional true up details. There would also be integration with the PeopleSoft system to send back data to CARS once the function of payment and purchase orders is complete.