



Scheduling / Project Management System

The Indiana Department of Transportation (INDOT) and Info Tech, Inc. jointly designed and developed a client/server project proposal and coordination product titled **Scheduling/Project Management System (SPMS)**. This enterprise-level system follows the full life cycle of a project – from concept to historical – using once centralized database.

High Level Overview/Features

Project Data Management — General information (e.g., location, length, key static dates) on Projects (e.g., Proposed, Authorized, Eliminated, and Historical) is entered and maintained in SPMS through the Propose and Maintain Project tab folder windows. The Districts and Planning & Programming divisions enter the project information. When the project information is first entered, a new project control number (PCN or DES #) is created for the project.

Project Scheduling and Record

Keeping — Upon authorization of a project, an appropriate schedule template is selected (e.g., Bridge Rehab, Railroad) as a baseline for a list of activities with start/finish dates and durations. As the project progresses, SPMS catalogs scheduling information to inform management of the status of each project stage (e.g., status dates, critical path impact, duration, responsible company information, Division/District). Project activity logs are also maintained to keep journal entries on each activity.

Project Fund/Cost Management — As the project progresses through the various stages (e.g., proposed, authorized, design, land acquisition, final cost), cost estimates are entered for each applicable phase (e.g., preliminary engineering, right-of-way, utility, construction). As a new stage starts,



Project Schedule Template

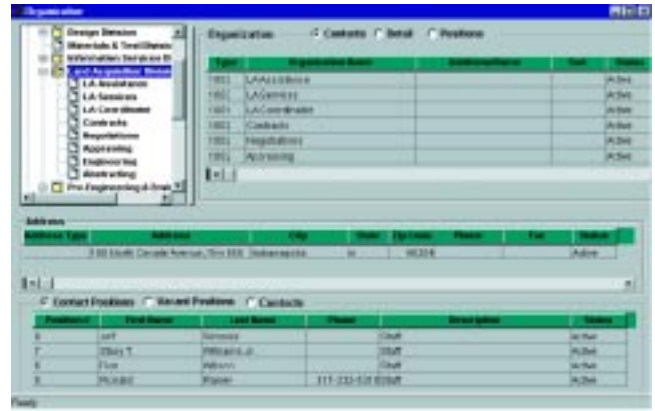
the previous stage estimates are locked. The responsible leaders of each stage are able to assign a funding program and amount by fiscal year, as well as assign funding priority and associated appropriation codes. Actual costs are captured using the SPMS Purchase Order and Direct Expenditure functionality.

Project Permit Tracking — After a project has been proposed, SPMS tracks the permits related to completing that project from initial application through approval, expiration, and extension. Rule 5 permits are associated with the project's counties and track the notice of intent date.

Organization Management — SPMS users have access to listings of organization contacts (e.g., state and city agencies and consultant and utility companies). Listings provide information on a position basis (e.g., contact person name, title, primary address, number, organization(s) and current position). Historical contact and organization/position data is also maintained.



Trns•port® Interface—When a project is authorized, project data can be passed to Trns•port CES®. As project data is added or updated in SPMS, the changes can be applied to the Trns•port CES database through the export process. When the ready for letting activity is complete in SPMS, one final pass of data to CES is completed for that project. SPMS no longer exports data for that project to CES.



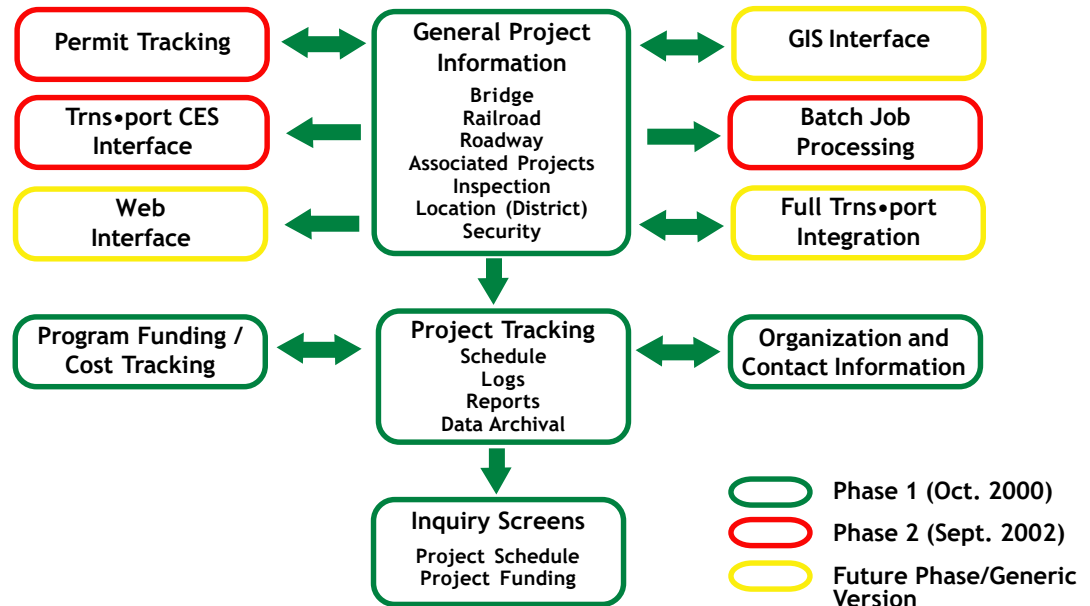
Organization and Contact Information

System Administration—Project, activity, and screen security levels based on user ID, user roles, and project roles. Installation options including customization of project stage and phase names and order

Inquiry Screens and Reports—Management has access to multiple inquiry windows, allowing better management of projects, as well as the ability to deal with public inquiries on specific projects. Reports are generated that summarize the data from various perspectives, including current activity schedule baseline versus actual dates, actual project cost versus budgeted, etc. FHWA project header information is also available. Reports can be scheduled in advance and set to repeat.

Technology & Standards

SPMS complements the existing functionality of Trns•port CES, PES®, and LAS® and Trns•port SiteManager®, using the same development tools and guidelines accepted by AASHTO.



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