

INNOVATIVE STRATEGIES FOR HIGHWAY CONSTRUCTION

getting the job done

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Innovative strategies in alternative financing - Florida is currently using Design/Build, Design/Build/Finance, Design/Build with Options and Design/Build Max. Projects underway include I-75 near Fort Myers, I-95 Managed Lanes in Miami, I-95 at Bonita Causeway.

Simplifying construction administration processes - Approximately one fourth of Florida's statewide contracts are lump sum payments. These have shown a reduction in time and cost overruns. Plan quantity contracts allow you to pay the plan amount unless there are significant quantity changes, you don't have to measure everything. Witness & Hold reduces contract inspection costs and places a five-year warranty on the work.

Temporary bridging to avoid or minimize impacts to waters and wetlands - An 18-month study (National Cooperative Highway Research Program, Number 25-30) was conducted of all 50 states. The study report compiled the influential

factors for using temporary bridges and types of bridges used. The data collected was used to create a Decision Matrix, Environmental Sensitivities Matrix and Cost Consideration Matrix. A study guidebook will be published soon.

Construction Cost Indexes
Using TRNSPORT software and BAMS/DSS module you can compile your project material costs to compute for inflation, make inflation adjustments, compute average annual inflation, compute cost projections to adjust your work program as necessary and plot cost index versus revenues.

Performance Specifications for Rapid Highway Renewal (R-07)

This is a five-year study by SHRP II. The goal of SHRP II Renewal is to renew the aging infrastructure and create an integrated approach to contracting. Performance specifications are results-oriented, best value driven and don't dictate how, except for essential function or needs. The benefits include: encourages innovation; reduces completion times; improves quality and service life. The study is expected to be complete early 2012.

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