

<i>Project Title</i> SPR-3(098) Simulation Software for Constructability Analysis		<i>Agmt./Task No.</i> GCA2103-02	<i>Item No.</i> 00-946	<i>Agency Bgt. No.</i> 18480-0013
<i>Research Agency</i> University of California Berkeley		<i>Start Date</i> 10/1/00	<i>Estimated Completion</i> 12/31/01	<i>Revised Completion</i> 6/30/09
<i>Principal Investigator(s)</i> Carl Monismith (510) 665-3560 EB Lee (510) 665-3637		<i>Technical Contact</i> Jeff Uhlmeyer (360) 709-5485		
<i>WSDOT Program Manager</i> Kim Willoughby (360) 705-7978		<i>FHWA or Other Technical Contact</i>		
<i>Funding Source</i> WA, CA, TX, MN		<i>Schedule Status</i> <input type="checkbox"/> On schedule <input type="checkbox"/> Ahead of schedule <input checked="" type="checkbox"/> On revised schedule <input type="checkbox"/> Behind schedule		
<i>Original Estimated Cost</i> \$196,795	<i>Revised Cost</i> \$614,399	<i>% Funds Expended</i> 78%	<i>% Work Completed</i> 78%	
<i>Objective</i> Develop construction analysis software that can consider construction strategies for pavement rehabilitation and roadway widening with the estimates of construction schedule, traffic delay, and agency cost.				

Project Progress:

1. The version 2.1 of CA4PRS was completed to add the cost estimate module with support from FHWA (Siva).
2. The CA4PRS enhancement for the version 2.5 (roadway Widening module) and 3.0 (Precast rehab module) started with the task order renewed.
3. Nationwide promotion for CA4PRS with support from AASHTO/TIG and FHWA was performed, including presentations to AASHTO sub-committee of Traffic (in NH on 6/16/09), Design (in IN on 7/21/09), and Construction (in IL on 8/5/09) and exhibit/presentation in AASHTO Value Engineering conference (in San Diego on Aug 31, 2009).
4. A number of CA4PRS hands-on trainings with the new version (V2.1) were delivered to Caltrans project teams (D2 in Redding, D8 in San Bernardino, D4 in Oakland, and D6 Fresno) by EB Lee.

New Period Proposed Activity:

1. The enhancement for the CA4PRS version 2.5/3.0 roadway (widening and Precast rehab), for logic development, data collection, and program coding, will be continued with support from FHWA (Siva).
2. More nationwide outreach/promotion for CA4PRS with FHWA, Caltrans, and AASHTO will be continued.
3. The hands-on trainings (3-day workshops) for Caltrans district project teams will be provided when requested by EB Lee.
4. CA4PRS online training course development will start as soon as the Request for proposal process in WSDOT is completed.