Project Title		Agmt./Task No.	Item No.	Agency Bgt. No.
SPR-3(098) Simulation Software for		GCA2103-02	00-946	18480-0013
<b>Constructability Analysis</b>				
Research Agency		Start Date	Estimated Completion	Revised Completion
University of California Berkeley		10/1/00	12/31/01	6/30/11
Principal Investigator(s)		Technical Contact		
Carl Monismith (510) 665-3560		Jeff Uhlmeyer (360) 709-5485		
EB Lee (510) 665-3637		·		
WSDOT Program Manager		FHWA or Other Technical Contact		
Kim Willoughby (360) 70	5-7978			
Funding Source		Schedule Status		
WA, CA, TX, MN		☐ On schedule ☐ Ahead of schedule ☐ Behind schedule		
Original Estimated Cost	Revised Cost	% Funds Exper	nded %	Work Completed
\$196,795	\$614,399	78%		<b>78%</b>
<i>Objective</i>				
Develop construction anal	ysis software that c	an consider constru	iction strategies f	for pavement

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. Hands-on trainings with the new version (V2.1) were delivered to Caltrans.

## **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 in early 2010.

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