Project Title	*Agmt./Task No.*	*Item No.*	*Agency Bgt. No.*
SPR-3(098) Simulation Software for Constructability Analysis	**GCA2103-02**	**00-946**	**18480-0013**
Research Agency	*Start Date*	*Estimated Completion*	*Revised Completion*
University of California Berkeley	**10/1/00**	**12/31/01**	**1/31/08**

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Funding Source **WA, CA, TX, MN**	*Schedule Status* ☐ On schedule ☐ Ahead of schedule ☒ On revised schedule ☐ Behind schedule

Original Estimated Cost	*Revised Cost*	*% Funds Expended*	*% Work Completed*
$196,795	**$614,399**	**40%**	**45%**

Objective

Develop construction analysis software that can consider several pavement design options along with construction scheduling, resource constraints, traffic management, and user-delays.

Project Progress:

The four states of the State Pavement Technology Consortium (SPTC) agreed to produce versions 1.5 and 2.0, which includes a User Manual and additional training as needed. Version 1.5 includes enhancements to version 1.0 (includes improving the user-friendliness and the use of generic terminology), addition of more options into the rehabilitation schemes (i.e. mill and fill, continuously reinforced concrete pavement (CRCP), dowel bar retrofit (DBR)), and includes additional analysis techniques. Version 2.0 would add traffic and cost analysis modules and a contracting schedule baseline.

Version 1.5a is available and work is continuing on Version 1.5b. The programmer changed jobs (now works for the FHWA) and will be working on this project at a reduced rate. Refer to the following website for updates: http://www.dot.ca.gov/research/roadway/ca4prs/.

Training has taken place in California (Caltrans) for Version 1.5a and has been well-received. EB Lee will contact the other three states shortly to schedule training.

New Period Proposed Activity:

Continue work on Version 1.5b and perform training as needed – specifically in MN, TX, and WA.