

CELSOC/Caltrans Structures Liaison Committee MEETING MINUTES

DATE: December 9, 2005
TIME: 10:00 am
LOCATION: Caltrans DES, Sacramento
Farmers Market I, Room 212

MINUTES

I. REVIEW OF September 23, 2005 MEETING MINUTES

Minutes approved with the following exception:

In Item IX, change "help" to held" in the first sentence.

II. DESIGN CRITERIA AND STANDARDS

CAD Subcommittee

Specific actions are deferred to the Statewide Committee. S. Boll did not think there was Structures representation on the CAD Subcommittee. He mentioned that CELSOC had done a survey on CAD and roadway design software.

Action: E. Seaberg will forward the list of CAD related issues that were discussed at a Statewide Committee meeting he attended.

Stephen Boll will report any actions taken at the Statewide Committee in our next meeting.

III. COMMITTEE CHARTER

Committee reviewed the proposed revisions to the Charter. It was agreed that the Annual Report should be done at the end of State FY so it can be turned in to the Statewide Committee before the October deadline. Also, the signature block needs to be updated.

Committee voted for unanimous approval of the Amended Committee Charter.

Action: W. Koo to send final Committee Charter to E.Seaberg for signature

IV COORDINATION/PARTNERING

A. LRFD/ CTBRIDGE

- LRFD implementation date (without deep foundations) for new projects designed in-house by the State is April 2006
- LRFD implementation date (without deep foundations) for new projects

designed by Consultants is October 2006

- FHWA mandated implementation date is October 2007.
- CT will follow the 2004 AASHTO LRFD Specification, 3rd edition with CT amendments (on blue sheets). Amendments are available currently on CT website (see link <http://www.dot.ca.gov/hq/esc/lrfd/>)
- State uses CT Bridge for LRFD design of superstructures and substructures.
- State is undergoing a rigorous training/instruction program for state engineers on LRFD, and the use of CT Bridge.
- State currently does not have budget to support outside training program to consultants. CELSOC will organize LRFD training program with vendor services. CELSOC will report progress in the next committee meeting.
- Local Assist programs that receive federal funding will be subject to the same deadline as bridges on state highways. The current LFD design specification will no longer be updated by Caltrans. Since local programs do not necessarily run through the type selection process, advisories are given to local agencies of the requirements to comply.

B. Timely As-Built

No discussion

C. Project Development Oversight

No discussion

D. Design Build

No discussion- item will be dropped on future agenda.

V. COMMITTEE GOALS FOR 2006

Members suggestions-

- Assist the design community in the LRFD implementation with training and helpful information
- Review and redefine CT/Consultant business practice relating to QA/QC
- Improve project communications between local agencies, consultants and all CT districts on matters of structure designs and deliverables.
- More active involvement by consultant on the various technical committees in Caltrans DES.
- Consider a workshop on cost estimating to explore best practices.

VI. CELSOC Report

No report
<p>VII <u>DES REPORT (Bob Buckley)</u></p> <p>There has been heightened scrutiny of procedures for estimating construction costs. In the past year, the low bids averaged 13% below the engineer's estimate out of 240 projects. The goal is to achieve 10% plus or minus accuracy which conforms to federal guidelines. Caltrans is considering implementation of more frequent updates of estimates. W. LaFranchi mentioned that WashDOT uses a risk assessment approach.</p>
<p>VIII <u>STRUCTURE CONTRACT MANAGEMENT REPORT (Paul Cotter)</u></p> <p>CT will re-advertise consultant services on NDT.</p> <p>ESC may not be able to use On-Call contracts in the future pending a court clarification of the writs on the case of PECG vs. Morales.</p>
<p>IX. <u>SPECIAL FUNDED PROJECTS / STRUCTURE LOCAL ASSISTANCE REPORT (E.Seaberg)</u></p> <p>ESC is finalizing the MTD on liquefaction evaluation and design strategy.</p> <p>OSFP in 2005 has delivered 23 bridge approved type selection (without SR-22) with estimated construction cost of \$ 59 million, \$176 million on bridge PS&E (without SR-22).</p> <p>To assist OSFP in planning out work and resources, ESC is requesting active communications between Consultants and the CT Liaison Engineers on schedule updates and project progress.</p> <p>With state going back to English Standard units, the metric standards may not be supported beyond a certain date. Consultants are alerted to a limited timeframe for PS&E to stay on shelves.</p>
<p>X. <u>STRUCTURES DESIGN REPORT (S. Post)</u></p> <p>Realignment of this part of DES has retained 5 design offices throughout the state. Office Chiefs are Tom Ostrom, Ofelia Alcantara, Shannon Post, Ray Wolfe and Elias Kurani.</p> <p>Shannon Post will also assume the responsibility of AASHTO liaison and chair the Caltrans committee on Standard Practice and quality assurance.</p>
<p>XI. <u>STRUCTURE DESIGN SERVICES AND EARTHQUAKE ENGINEERING REPORT (R. Stott)</u></p> <p>CT had a very successful conference in October on structure research program; well over 400 attendees were present for the conference.</p> <p>The Seismic Advisory Committee has added a seismologist.</p>

XII	<u>GEOTECHNICAL SERVICES REPORT (J. Davis)</u> The consultant selections for On-Call Geotechnical Services Contracts have been awarded.
XIII.	<u>STRUCTURES CONSTRUCTION REPORT (J. Babcock)</u> Department is organizing the 2006 Construction Forum. Date for the one in San Diego is not set yet.

Next meeting will be on February 24, 2006 at DES (Farmers Market I building)

ATTENDEES

Caltrans

Bob Buckley
Rob Stott
Tony Marquez
Earl Seaberg
Paul Cotter
John Babcock
Jim Davis
Shannon Post

CELSOC

Mark Ashley
Wei Koo
Walt LaFranchi
Tom Walker