

Bridge Contractors / Caltrans Liaison Committee Meeting Minutes

Date: Friday, March 16, 2018

TIME: 10 a.m. to 2:00 p.m.

LOCATION: Caltrans – Translab Auditorium

5900 Folsom Blvd
Sacramento, CA 95819



COMMITTEE PURPOSE: *To establish a liaison between Caltrans and the California bridge contracting community focused on structure related items of mutual interest. To maintain an on-going dialogue on pertinent issues and pursue action items in a collaborative effort to improve bridge construction in California.*

COMMITTEE MEMBERS: Industry Members identified by the AGC, SCCA and UCON

MEETING CALLED BY: Steve Altman **TYPE OF MEETING:** Committee Meeting

FACILITATORS: Jerry De Santos/ Paul Navarro **NOTE TAKER:** David Tenorio

ATTENDEES: See attached list

HANDOUTS PROVIDED: None

MINUTES POSTED AT: http://www.dot.ca.gov/hq/esc/construction/br_contractor_outreach/

Opening Remarks:

Steve Altman, Division of Engineering Service Deputy Division Chief Structure Construction

- This joint presentations with Caltrans and the Industry Members provide an on-going dialogue to address mutual concerns. The purpose of this meeting is to establish communication, fortify our relationship and continue to build strong partnership.
- Our Construction Managers are engaged and committed with industry to resolve field issues. Our new Construction Managers are as follows:
 - Nancy Nickerson District 11
 - Tom Grey District 4
- John Babcock will be retiring April 30th. He has been a pillar to Structure Construction and a great asset to our organization.
- At our meeting last September meeting, industry requested an Environmental topic. Jennifer Gillies and Jim Henke will be presenting on the Environmental process to obtain Environmental Permits from our Permitting Agencies.
- Høgni Setberg our Falsework Senior Specialist has been doing a wonderful job working with our industry partners addressing falsework issues statewide. Unfortunately, Høgni has taken a promotion with another unit in DES. However, he will stay until the new Falsework Senior Specialist comes on board.

Presentation – Falsework Subcommittee Update

Presenter: Høgni Setberg, Caltrans

- Our Falsework Team and Industry meet monthly to develop guidelines and standards for a safe falsework design and construction. Our goal is to eliminate falsework failure.
- We are happy to announce that we have completed 6 topics since our last meeting:
 - MCM sand jacks and overhang bracket testing
 - Bridge removal
 - LRFD
 - Load on walkway (at overhang)
 - Nominal pile resistance

- Camber strip calculations
- Currently, we're working on the following ongoing topics
 - FW certification
 - FW adjacent to traffic
 - Cable bracing
 - NDS for wood (revised wood stress values base on NDS)
 - Winch holes
 - Fillet Welds
- No Comments or Questions

Presentation – SFOBB Demo CMGC Project

Presenters: Brian Boal Caltrans, Zach Reilly Kiewit Manson JV

- Provided a brief background of the SFOBB East Span Foundation Demolition and the CMGC process.
- Time to demolish Pier E3 using conventional equipment to meet the requirements of the Environmental Restrictions in Permits was scheduled to take approximately 45 months.
- With the use of CMGC contract (Construction Manager General Contractor), Caltrans began to explore the use of explosives to demolish Pier 3 in 6 months.
 - CMGC: A delivery method that allows an owner to engage a contractor (construction manager) to provide input during the design process. At an agreed upon point, the owner and construction manager negotiate a price for construction of the project and the construction manager becomes the general contractor.
- At that time, Legislature allowed 6 projects to use CMGC and the SFOBB East Span Foundation Demolition was one of the projects selected.
- No Comments or Questions

Presentation – Bridges & Biology by Caltrans Division of Environmental Analysis (DEA)

Presenters: Jennifer Gillies & Jim Henke Caltrans

- An overview of Caltrans Biological Resources and Project Delivery Process was presented
 - How Caltrans fulfills regulatory agency requirements
 - Keys to successful implementation of design, construction, and mitigation commitments
 - Improve partnerships with internal and external stakeholders
- Biologists conduct studies and surveys and address impacts to species based on the best available scientific and commercial data. The Natural Environment Study report is used as our impact assessment and rely on information from *design, structures design, hydraulics, and project management* to address project impacts based on the project description, construction methods, and design criteria.
- Caltrans Project Delivery Process and Project Phases:
 - Project Initiation Document (PID) - “K” Phase
 - Project Approval and Environmental Document (PA&ED) - “0” Phase
 - Plans, Specifications, and Estimate (PS&E) - “1” Phase
 - Right-of-Way (ROW) - “2” Phase
 - Construction - “3” Phase
- The most important components of the project delivery process is keeping the Environmental Commitments Record updated.
 - It is a summary of all of the avoidance, minimization, and mitigation measures. Mitigation and monitoring plans are also needed to supplement the contractors bid package. Once all of the information is completed than it's Ready to List (RTL).
- Comments or Questions:
 1. (Jeff A.): One of the things I get frustrated with is construction input is often not requested during the early phases of the environmental process. I want my construction engineers to be involved during all phases of the project not just when the project is at RTL.

- Request will be taken for consideration to make sure construction engineers are involved at all stages.
- 2. (Richard): The new specifications requires to stay away 100 feet from cliff swallow nesting. Why?
 - If nesting is encountered within 100 feet, contractor is to stop work and notify the RE. The RE will consult with the Biologist to determine what work activities can be performed and how far to stay away from the active nesting.
- 3. (David R. Comment): Difficult to bid a job when all the bird restrictions are in place and with work windows that are impossible to meet. Very risky for bidders...

Presentation – Project Presentation – Fresno 99 CMGC Project

Presenter: Victor Diaz Caltrans

- The purpose of the project is to clear the Hwy 99 corridor for Ca High Speed Rail by:
 - Moving SR 99 100 feet to the west
 - Reconstruct Fresno Yard OH
 - Reconstruct Clinton OC
 - Reconstruct Ashlan OH
 - Increase vertical clearance for OH structures
 - Construct CA HSR track subgrade, drainage and barriers
- Project selected to be one of the initial CMGC pilot projects
- When design of project is complete or portion is complete, three estimates are needed for CMGC contracts:
 - Engineer’s Estimate
 - Construction Manager’s Cost Estimate
 - Independent Cost Estimate (ICE)
- Why Is This Project Successful
 - Everyone involved believes in the process
 - Competent team on both sides
 - Trust
 - Project first-decision focus on success of project
- CMGC contracting is very successful and the Department is looking into issuing 16 new CMGC contracts with multiply projects.
- Comments or Questions:
 1. Did your contractor bring a designer as part of CMGC process team?
Victor: No, but at some point a specialist might be required where a design team is needed.
 2. Of the 16 CMGC’s coming out, what is the contract value amount or scope?
Victor/Jeff A.: We don’t know but it will be very large amount and are usually for complicated projects.
Please visit our CMGC website for up to date information:
<http://www.dot.ca.gov/design/idd/cmgc.html>
 3. In the selection of CMGC process is there an oral interview.
Victor: No, the selection is based on written proposal.
 4. Jerry De Santos: The CMGC projects are very successful but required up front cost and are usually for very large complex contracts.

Presentation – Specification Update

Presenter: Jeff Gornea

- Structure Specifications Research & Development (SSRD) Branch:
 - Responsible for all structures-related portions of Standard Specifications and associated Standard Special Provisions (SSPs)
- Often our Branch is asked: Why does it takes so long to make updates to specifications?

- Best case scenario it takes approximately 16 months. This is due to hundreds of request changes made each year. All of the request are prioritized followed by research and development.
- New 2018 Standard Specifications book will be available on line starting October 2018
- HQ Construction is working on draft language for Section 9-1.16C — Materials on Hand
 - A material on hand but not incorporated into work is eligible for a progress payment if:
 - Material cost exceeds:
 - \$50,000 or
 - \$25,000 (if requester is certified as DVBE, DBE, or an appropriately certified Small Business)
 - Water pollution control measures are implemented
- Comments or Questions:
 - Cliff B. It appears this revised specification will not help small business.

Presentation – Look Ahead Report

Presenter: Jerry De Santos

- The Look Ahead Projects by Districts will be posted. This list does not include CMGC projects.
- Please visit our CMGC website for up to date information: <http://www.dot.ca.gov/design/idd/cmgc.html>
- Nancy Nickerson provided list of projects for District 11 State Route 11 and 125. Engineer Estimate is over \$100 Million with \$50 Million bridge work. Handout listing the SR 11 OTAY MESA Projects will be posted.

Recap – Jerry De Santos

- Minutes will be posted along with the Look Ahead Projects.
- Next Bridge Contractor/Caltrans Liaison Meeting:
 - September 21, 2018
 - 10:00 AM to 2:00 PM
 - Southern Regional Lab in Fontana
 - Facilitators: Jerry De Santos Caltrans and Paul Navarro Ortiz Enterprises, Inc.

Steve Altman:

1. Our field Structure Construction staff are getting iPads to assist them with their field work. The Engineers will be able to access contract documents, SC forms and our Bridge Construction Memos (BCM).
2. Our BCM's are getting revamped. It's taking a great effort to rewrite our BCM based on ISO 9001. When completed, the field Engineer will have access to the new BCMs with their iPads. The new BCMs will have links to our specifications, falsework & shoring manuals and other SC forms.
3. Seeking contractor input on the topics to be presented at our next September 21st meeting. Send you topics to Jerry or Paul Navarro

Meeting Adjourn