

## 2007 Bridge Construction Forum Action Items Updated 5-23-07 ACM Teleconference

**Bold Means that Action Items complete**

### General:

		<u>Who:</u>	<u>When:</u>
1	Post Construction Forum Meeting and Presentation on California Bridge Construction Forum Website	Dolores Valls & Bruce Hagy	7/1/2007
2	Develop and Finalize Bridge Construction Forum Action Items	Dolores Valls & All ACM's	7/1/2007
3	Post Bridge Construction Forum Action Items on Website	Dolores Valls & Bruce Hagy	7/1/2007

### Structure Specifications:

1	Specs for separating redundant vs. non redundant design for foundation piles	Steve Altman & Dan Speers	12/1/2007
2	Exclude electric resistance welding from section 8.3	Steve Altman & Dan Speers	10/1/2007
3	Pre approval of pipe piling manufacturers and different weld processes that they use	Steve Altman & Dan Speers	10/1/2007
4	<b>Restart the Pile Driving Subcommittee with Industry to discuss pile driving specifications and current issues.</b>	<b>Mark Woods &amp; Mike Beauchamp</b>	<b>complete</b>
5a	Develop anomaly standard repair plans .	Jim Davis	7/1/2007
5b	Complete and Distribute BCM 130	Mike Beauchamp	8/1/2007
6	Develop presentation for Structure Design on construction of pile shafts.	Roy Fisher	working
7	Develop Presentation for Structure Design regarding increased use of standard industry off-the-shelf products.	John Stayton & Steve Altman	12/1/2007
8	Develop demonstration project for self consolidating concrete for CIDH piles.	Dennis Wilder	on-going
9	Create Quarterly presentations on constructability issues for design.	Training Sr / Steve A.	on-going
10	Explore the concept of revising the demolition specification to preclude the use of an engineer who is registered as a Civil Engineer in the State of California to be on site during the demolition of non-dead load carrying elements of bridges, i.e., barrier rail.	John Babcock	9/30/2007
11	<b>Review the revised electronic submittal specification currently being used on the Route 40 Bridge Replacement Project and research the possibility of incorporating on future A + B Projects to reduce the time required for</b>	<b>Mike Beauchamp</b>	<b>complete</b>
12	Review MSE RW panel QC/QA control requirements Action Plan: 1) Draft Issue paper to use in discussion with R.Lacalle and D.Speer 2) Meet with design & construction specialist & METS 3) Draft Decision Document 4) Circulate and have ready for signature	Abercrombie / R.Lacalle / D.Speer	6/30 7/30 8/30 12/1
13	Provide link to updates on Plain Language Specification implementation	Roberto Luena	7/1/2007
14	Form liners - Investigate why electromeric or semi-electromeric specified only. Investigate the use of other types of form liner material and appropriate specifications.	Dan Thomas	12/1/2007
15	Why eliminate Haunch only on retaining walls with safety barrier/ soundwall for Design H over 18'. Action Plan: 1) <b>Discuss issue with design RW specialist</b> 2) Draft commentary on elimination of haunch. May need to update BCM or other memos 3) Solicit and incorporate comments 4) Post BCM allowing elimination of haunch, XS Sheet, Std Plan and commentary.	Abercrombie	<b>Done</b> 6/30  9/30 10/30
16	Post use of why "x" values rock material concrete gradations are required	Wilder	8/1/2007

### Structure Economics:

1	Research separating more Bridge Pay Items into additional pay items. to improve cash flow for contractors. (Falsework, CIDH Pile Rebar, Shoring, etc.). Purpose: Improve cash flow for contractors to achieve lower bids.	Rusty Crain / Jack Young	10/1/2007
2	<b>Share practice of using tentative work agreements as best practice statewide for disputed work to provide prompt payment on CCO work completed</b> <b>Action Plan:</b> 1) <b>Draft form</b> 2) <b>Discuss issue with J.Hancock to discuss distribution.</b> <b>Options: AGC mtgs, CPB, BCM</b> 3) Draft distribution memo for decided means...circulate 4) Distribution	Abercrombie / Pieplow	<b>Complete Complete</b>  8/30 11/30
3	Research expanding the use of a "schedule of values" for large Structure final pay items like MSE Walls, Structure Concrete(Bridge), Structural Concrete (Bridge Footing), Structure Excavation (Bridge). Schedule of values could include developing access, falsework and shoring plans, shoring and falsework installation, etc. Purpose: Improve cash flow for contractors to achieve lower bids.	Rusty Crain / Dan Thomas / Jack Young	9/1/2007
4	Research the current Structure Material list eligible for "Materials on Hand payment" for possible expansion. Purpose: Improve cash flow for contractors to achieve lower bids.	Rusty Crain	9/1/2007
5	Research including Structure Construction partial payment practices for prestressing, bar reinforcing steel, column casing, tie down and tieback tendons into the project special provisions. Bridge Construction Memo 6-4.0. Purpose level playing field for all bidders.	Rusty Crain	9/1/2007
6	Research the possibility of a providing a separate pay item for Bar Reinforcing Steel (CIDH). Separated from the Bar Reinforcing Steel (Bridge) Item. Purpose: Better bidding and the rebar contractor will not have to be a subcontractor to the Drilling sub.	Rusty Crain / Jack Young	9/1/2007
7	Review rental rates for emergency rates.	Valls to Pieplow	7/1/2007
8	More education for RE's on new CCO direction, including training on protecting the scope on CCO's.	Pieplow	on-going
9	Training on estimating CCO values. Reference Resident Engineer Certification Program	Pieplow / Industry?	on-going
10	Research current status Caltrans Material Escalation Specifications. If they exist, should MSE walls be included. Purpose clear up any confusion on material escalation specifications. Include Rock and Sand (aggregates) for possible indexing.	Dan Thomas / Rusty	9/1/2007

**Structure Materials:**

1	Provide performance requirement rather than specific sizes (example: shoring) Action Plan: 1) Draft issue paper 2) Raise issue with J.Stayton and perhaps Kevin Thompson. 3) Place on agenda for next OSC/OSD meeting 4) Implement through Design Memo?	Abercrombie / Stayton	6/30 7/30 9/30 10/30/07
2	Pre-approval of ERW pipe weld	Steve Altman	10/1/2007
3	Buy America- domestic supply not enough. Get examples and identify projects that need this. Train on process of how to get exception...	DDT/ Jason Tom	10/1/2007
4	Prequalification of couplers for rebar hoops to minimize redundant/continuous testing requirements. ( Revise action item wording)	Roy Fisher	10/1/2007
5	Eliminate resubmittal of identical paperwork for each job. Federal requirements do not allow this for Welding QCP.	Ken Bocchicchio	10/1/2007
6	Modify the special provisions with regards to weight limits on blocks and architectural features on bridges.	Roy Fisher	10/1/2007

7	Research Specs on MSE backfill - Action Plan: 1) Discuss issue with design RW specialist 2) Arrange and hold joint Construction and Design specialist mtg 3) Hold second meeting with industry representative 4) Draft decisions document and circulate 5) Prepare for signature	<i>Abercrombie</i>	6/30 7/30 9/30 10/30 1/30/08
8	<i>Why not recognize ISO 9000 - discuss at METs meeting in April</i>	<i>Roberto</i>	6/30/2007
9	Determine if it is feasible to expand the list of materials accepted with a Certificate of Compliance	<i>John Babcock</i>	8/8/2007

**Structure Bidding and Construction Environment:**

1	expand on 12 month look-ahead report, add a narrative of projects at a minimum.	<i>D.Valls / OE / R.Land</i>	10/1/2007
2	Involve industry on constructability reviews.	<i>Steve Altman</i>	12/1/2007
3	Look into the use of State-wide consultant contracts for constructability reviews.	<i>Steve Altman</i>	12/1/2007
4	Look at size of contract – mega projects need joint venture; industry capacity limited. Bonding over \$100MM	<i>D.Valls / Pieplow</i>	10/1/2007
5	More pot hole - pot hole all utilities. contracts or item	<i>D.Valls / Bimla</i>	12/1/2007
6	<b>Provide escalation ladders at pre-construction meeting. Reference: The Construction Manual, Section 5-003, "Preconstruction Conferences with the Contractor," states in a bullet to "Discuss superintendence as well as lines of authority for both contractors and Caltrans personnel."</b>	<i>Roy Fisher / Pieplow</i>	<b>Complete</b>
7	Industry-sponsored training on pipe pile standards	DES Ed committee / Steve Altman	
8	Research the availability of Industry-sponsored training on current CIDH construction methods for OSC staff.	DES Ed committee / Beauchamp / ADSC	8/31/2007
9	Disseminate to Structure Representatives pre-approved Contractor's falsework standard details to expedite field reviews of falsework plans.	John Babcock	09/30/07 & ongoing
10	Clarify the role of the design oversight engineer during project development and construction.	Fisher / Roberto	9/1/2007
11	Tracking rejected DRB for future settlements including costs....	<i>Pieplow</i>	on-going
12	<b>More info on "No Merit". We should detail our response to the NOPC why... Dolores to re-word action item</b>	<b>All ACMs to discuss with Seniors</b>	<b>Complete</b>
13	Post on WEB - Technical Committees with Industry representation.	Roberto	9/1/2007