TO: Toll Bridge Program Oversight Committee (TBPOC)  
DATE: June 16, 2015

FR: Program Management Team (PMT)


Herewith is the TBPOC Meeting Materials Packet for the June 23rd meeting. The packet includes memoranda and reports that will be presented at the meeting. A Table of Contents is provided following the Agenda to help locate specific topics.
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**TBPOC MEETING**  
*June 23, 2015*

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| 2         | 2           | **CHAIR’S REPORT** |
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   2. TBPOC May 20, 2015 Urgent Meeting Minutes*  
   3. TBPOC May 28, 2015 Urgent Meeting Minutes*  
   4. TBPOC June 4, 2015 Urgent Meeting Minutes* |
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b. Pier E3 Demo Contract and Permits Update  
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d. SAS Update  
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   2. SAS Tower Anchor Rod Investigation Update  
   3. Tower Anchor Rod Dehumidification Proposal |
| 6         | 6           | **OTHER BUSINESS**  
a. Report on matters discussed and actions taken at Urgent Meeting  
b. Report on matters discussed and actions taken during Executive Session |
| 7         | 7           | **GENERAL PUBLIC COMMENT** |

* Attachments
# TBPOC REGULAR MEETING
## June 23, 2015
### Executive Session (Loma Prieta Conference Room): 10:00 AM – 11:00 AM
### Regular Session (Room 1906): 11:00 AM – 1:00 PM
Pier 7, Mission Bay Office, 325 Burma Road, Oakland, CA
Dial-in Number: 1(866) 803-2146; Access Code: 2474385

<table>
<thead>
<tr>
<th>Item Number/ Topic</th>
<th>Presenter</th>
<th>Time</th>
<th>Desired Outcome</th>
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<tr>
<td><strong>1. EXECUTIVE SESSION</strong></td>
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<tr>
<td>a. SAS Close Out Strategy</td>
<td>Dan McElhinney, CT</td>
<td>60 min</td>
<td>Information</td>
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<tr>
<td><strong>2. CHAIR’S REPORT</strong></td>
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<tr>
<td></td>
<td>Steve Heminger, BATA</td>
<td></td>
<td>Information</td>
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<tr>
<td><strong>3. CONSENT CALENDAR</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>a. TBPOC Regular/ Urgent Meeting Minutes</td>
<td></td>
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</tr>
<tr>
<td>1. TBPOC May 11, 2015 Regular Meeting Minutes*</td>
<td>Andrew Fremier, BATA</td>
<td>5 min</td>
<td>Approval</td>
</tr>
<tr>
<td>2. TBPOC May 20, 2015 Urgent Meeting Minutes*</td>
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<tr>
<td>3. TBPOC May 28, 2015 Urgent Meeting Minutes*</td>
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<tr>
<td>4. TBPOC June 4, 2015 Urgent Meeting Minutes*</td>
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<tr>
<td><strong>4. PROGRAM ISSUES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Budget Forecast (CO/COS Forecast FY 15/16)*</td>
<td>Dan McElhinney, CT</td>
<td>10 min</td>
<td>Approval</td>
</tr>
<tr>
<td><strong>5. SAN FRANCISCO-OAKLAND BAY BRIDGE UPDATES</strong></td>
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<tr>
<td>a. YBITS 2 Contract Update*</td>
<td>Deanna Vilcheck, CT, Steven Whipple, Stefan Galvez, CT</td>
<td>10 min</td>
<td>Information</td>
</tr>
<tr>
<td>b. Pier E3 Demo Contract and Permits Update</td>
<td>Steven Whipple, CT, Stefan Galvez, CT</td>
<td>5 min</td>
<td>Information</td>
</tr>
<tr>
<td>c. 504/288 Demolition Update*</td>
<td>Steven Whipple, CT</td>
<td>5 min</td>
<td>Information</td>
</tr>
<tr>
<td>d. SAS Update</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Project Update</td>
<td>Dan McElhinney, CT</td>
<td>10 min</td>
<td>Information</td>
</tr>
<tr>
<td>2. SAS Tower Anchor Rod Investigation Update</td>
<td>Brian Maroney, CT</td>
<td>20 min</td>
<td>Information</td>
</tr>
<tr>
<td>3. Tower Anchor Rod Dehumidification Proposal</td>
<td>Brian Maroney, CT</td>
<td>10 min</td>
<td>Approval</td>
</tr>
<tr>
<td><strong>6. OTHER BUSINESS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Report on matters discussed and actions taken at Urgent Meeting</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>b. Report on matters discussed and actions taken during Executive Session</td>
<td>Steve Heminger, BATA</td>
<td>5 min</td>
<td>Information</td>
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<tr>
<td><strong>7. GENERAL PUBLIC COMMENT</strong></td>
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Next TBPOC Regular Meeting:
1:00PM-4:00PM, July 9, 2015, Sacramento, CA (TBD)

* Attachments
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)

DATE: June 16, 2015

FR: Dan McElhinney, Caltrans District 4 Chief Deputy Director

RE: Agenda No. - 1a

Item- Executive Session-
Self-Anchored Suspension (SAS) Close Out Strategy

Recommendation:
INFORMATION

Cost:
NA

Schedule Impacts:
NA

Discussion:
The Department plans to discuss the Self-Anchored Suspension (SAS) close out strategy during the TBPOC June 23rd meeting executive session.
ITEM 2: CHAIR’S REPORT
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)  DATE: June 16, 2015

FR: Andrew Fremier, Deputy Executive Director, Operations, MTC/BATA

RE: Agenda No. - 3a1

Item- TBPOC May 11, 2015 Regular Meeting Minutes

Recommendation:
Approval

Cost:
NA

Schedule:
NA

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the May 11, 2015 Regular Meeting Minutes.
TBPOC REGULAR MEETING MINUTES
May 11, 2015, 1:30pm – 4:30pm
Pier 7, Mission Bay Office, 325 Burma Road, Oakland, CA

**Attendees**: TBPOC Members: Steve Heminger (Chair), Malcolm Dougherty, Will Kempton
PMT Members: Dan McElhinney, Andrew Fremier, Stephen Maller
Participants: Rich Foley, Brian Maroney, Bijan Sartipi, Deanna Vilcheck, Bill Casey, Chris Traina, Stefan Galvez, Bob Finney, Steve Whipple, Karen Wang, Peter Lee

Convened: 2:41 PM

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<tr>
<th>Items</th>
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<tbody>
<tr>
<td>1. EXECUTIVE SESSION</td>
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<tr>
<td>a. SAS Outstanding Work*</td>
<td></td>
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<tr>
<td>b. YBITS 2 Contract – CCO No. 111 USCG Additional Scope*</td>
<td></td>
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<tr>
<td>2. CHAIR’S REPORT</td>
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<tr>
<td>3. CONSENT CALENDAR</td>
<td>• TBPOC approved the Consent Calendar items.</td>
</tr>
<tr>
<td>a. TBPOC Regular/ Urgent Meeting Minutes</td>
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</tr>
<tr>
<td>1. TBPOC March 5, 2015 Regular Meeting Minutes*</td>
<td></td>
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<td>2. TBPOC April 17, 2015 Regular Meeting Minutes*</td>
<td></td>
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<tr>
<td>3. TBPOC May 4, 2015 Urgent Meeting Minutes*</td>
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<tr>
<td>4. PROGRAM ISSUES</td>
<td>• TBPOC deferred approval for Item 4a to an Urgent TBPOC meeting (within next couple weeks) to allow for the Department to review reducing project staffing in an effort of further reducing COS budget needs this fiscal year.</td>
</tr>
<tr>
<td>a. Budget Forecast and Risk Assessment Update**</td>
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<tr>
<td>• Rich Foley, SFOBB Risk Manager presented an update on the overall risk plan assessment.</td>
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<tr>
<td>• Brian Maroney, Toll Bridge Deputy Program Manager presented information on budget impacts due to new environmental permit requirements.</td>
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Item 3a11_TBPOC_11May15MtgMin-final.docx
Steven Whipple, Caltrans District 4 Principal Construction Engineer, presented information about staffing. Discussion included efforts to continue reducing staff, the unanticipated work strain on budget including work on SAS tower anchor rod.

b. 2015 First Quarter Project Progress and Financial Update**
   • Peter Lee presented highlights of the draft quarterly report.
   • TBPOC members suggested for the project team to include (in the cover letter of the Quarterly Report) information about not adopting the conventional method for demolition of marine foundations into the risk management plan until there had been further discussion.

• TBPOC conditionally approved Item 4b, pending staff revisions related to risk management forecasts for marine foundations conventional demolition and PMT concurrence on final report.
• Project team to include language about the demolition risk in the cover letter of the Quarterly Reporting.
• Conventional method of marine foundation to be removed from risk analysis until further discussion.

5. SAN FRANCISCO-OAKLAND BAY BRIDGE UPDATES
   a. YBITS 2 Contract
      1. Project Update*
         • Deanna Vilcheck, construction manager for YBITS 2, provided an update on YBITS 2 contract.
      2. CCO No. 97 – Contract Time Extension*
         • Deanna Vilcheck, presented CCO No. 97 that extends the contract to summer of 2017, $2.982M. Discussion included that this would change the opening date of the bike path to Yerba Buena Island to late 2015 or early 2016.
      3. CCO No. 111 – USCG Additional

   • TBPOC approved the CCO 97 as presented.
<table>
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<th>Items</th>
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<tr>
<td><strong>Scope</strong></td>
<td>• TBPOC approved CCO 111 as presented.</td>
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<tr>
<td>Steven Hulsebus, Caltrans District 4 Design, presented a request for approval to proceed with the preparation of CCOs for the work identified related to the USCG additional work. This work is being requested by the USCG as a result of recent USCG projects on YBI that are either completed or planned to be in construction before the completion of YBITS2.</td>
<td></td>
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<tr>
<td>b. Pier E3 Demonstration Contract and Permits Update*</td>
<td>• TBPOC approved the $18.5M contract allotment for the Pier E3 Demonstration Contract.</td>
</tr>
<tr>
<td>• Steven Whipple presented an update on Pier E3 Demonstration Contract.</td>
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<tr>
<td>• Stefan Galvez, Caltrans District 4 Chief Office of Environmental Analysis, presented information about the continued work with the environmental permitting agencies. Discussion included: technical meetings about implosion and concern over the magnitude of mitigation.</td>
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<tr>
<td>• Item 5b was presented for TBPOC approval of the Pier E3 Demonstration Contract in the amount of $18.5 million.</td>
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<tr>
<td>c. 504/288 Demolition Update*</td>
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<tr>
<td>• Steven Whipple presented an update on the 504/288 Superstructure Dismantling Contract.</td>
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<td>d. SAS Update</td>
<td>• TBPOC approved Item 5d2 which includes the following:</td>
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<tr>
<td>1. Construction Update**</td>
<td>a) Caltrans shall complete ongoing water testing and</td>
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<tr>
<td>Caltrans provided an update on the remaining work on the SAS contract.</td>
<td>testing plan. Discussion items</td>
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### Items

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<th>Action</th>
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<tbody>
<tr>
<td>volume change measurements in all bolt sleeves where water is present, as previously authorized May 4, 2015, in an amount not to exceed $440,000 (COS).</td>
</tr>
<tr>
<td>b) Caltrans shall not conduct further testing (with the exception of the “pull testing” on rods with a hydraulic jack and also the removal of the single short rod ID 155-1-1) until a comprehensive testing plan and protocol has been developed and approved by the TBPOC. The testing plans shall include scope, schedule and budget for the activity. Caltrans is authorized to proceed with the aforementioned pull testing on the remaining rods and the removal of the third rod in an amount not to exceed $1M (capital outlay).</td>
</tr>
<tr>
<td>c) The testing plan and protocol shall be developed in consultation with the independent bolt review team, and Seismic Safety Peer Review Panel, which shall be reconvened and supplemented with experts on marine foundations, possibly from the Federal Highway Administration (FHWA). Funding needs related to initiating the peer reviews and implementing the additional testing plan shall be presented to the TBPOC.</td>
</tr>
<tr>
<td>d) Caltrans shall keep available to the TBPOC all QA/QC records for the E2/T1 contract work performed by the joint venture of Kiewit/FCI/Manson (KFM).</td>
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</table>

- Ultrasonic Testing to date, rod 155-1-1 and load testing, testing program of first and second rods and additional water and boroscope testing, testing by hydraulic jacks, and review of additional tests previously approved by TBPOC.
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<th>Items</th>
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<tbody>
<tr>
<td>e) The TBPOC shall request assistance from the FHWA reviewing all work products from the tower rod investigations as well as any recommendations for remedial action resulting therefrom.</td>
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</table>

6. OTHER BUSINESS  
   a. Report on matters discussed and actions taken at Urgent Meeting  
      - NA  
   b. Report on matters discussed and actions taken during Executive Session  
      - The Chair reported that item 1a discussed and no action was taken.  
      - The Chair reported that item 1b discussed and voted on in regular session

Next TBPOC Meeting  
- The next TBPOC regular meeting is on June 23, 2015 location TBD.

7. GENERAL PUBLIC COMMENT  
   - Public comment #1 – Misaligned status update. Commenter will send a letter directly to Brian Maroney. Response will be made available.  
   - Public comment #2 – Commenter shared opinion on coring strategy (of existing tower anchor rod removal) and noted it should be possible based on personal experience. He also noted the SAS is different than seismic retrofit strategy on Golden Gate Bridge.

Adjourned: 5:13 PM
TBPOC REGULAR MEETING MINUTES
May 11, 2015, 1:30pm – 4:30pm

APPROVED BY:

____________________________________
STEVE HEMINGER, TBPOC Chair
Executive Director, Bay Area Toll Authority

____________________________________
WILL KEMPTON
Executive Director, California Transportation Commission

____________________________________
MALCOLM DOUGHERTY
Director, California Department of Transportation
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)     DATE:       June 16, 2015

FR: Andrew Fremier, Deputy Executive Director, Operations, MTC/BATA

RE: Agenda No. - 3a2

        Item- TBPOC May 20, 2015 Urgent Meeting Minutes

Recommendation:
Approval

Cost:
NA

Schedule:
NA

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the May 20, 2015 Urgent Meeting Minutes.
### TBPOC URGENT MEETING MINUTES
May 20, 2015, 11:00am – 1:45pm

**Attendees:** TBPOC Members: Steve Heminger (Chair), Malcolm Dougherty, Will Kempton  
PMT Members: Andrew Fremier, Dan McElhinney, Stephen Maller  
Participants: Rosalynn Chongchaikit, Karen Wang, Peter Lee

**Convened:** 2:33 PM

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<th>Items</th>
<th>Action</th>
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<tbody>
<tr>
<td>1. EXECUTIVE SESSION</td>
<td>a. SAS Close Out</td>
</tr>
<tr>
<td>2. REGULAR SESSION</td>
<td>a. No items to present</td>
</tr>
</tbody>
</table>
| 3. OTHER BUSINESS | a. Report on matters discussed and actions taken at Urgent Meeting  
  - NA  
  b. Report on matters discussed and actions taken during Executive Session  
  - The Chair reported that they discussed the SAS close out with representatives from ABFJV and no action was taken.  
  - The next TBPOC regular meeting is on June 23, 2015, in Oakland, 10:00am – 1:00pm.  
  - A TBPOC conference call is taking place next week and information will be posted on www.baybridgeinfo.org. |
| 4. GENERAL PUBLIC COMMENT | • No public comment received. |

**Adjourned:** 1:34 PM
(Continued)

TBPOC URGENT MEETING MINUTES
May 20, 2015, 11:00am – 1:45pm

APPROVED BY:

______________________________
STEVE HEMINGER, TBPOC Chair
Executive Director, Bay Area Toll Authority

______________________________
WILL KEMPTON
Executive Director, California Transportation Commission

______________________________
MALCOLM DOUGHERTY
Director, California Department of Transportation
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) 

DATE: June 16, 2015

FR: Andrew Fremier, Deputy Executive Director, Operations, MTC/BATA

RE: Agenda No. - 3a3

Item- TBPOC May 28, 2015 Urgent Meeting Minutes

Recommendation:
Approval

Cost:
NA

Schedule:
NA

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the May 28, 2015 Urgent Meeting Minutes.
**TBPOC URGENT MEETING MINUTES**  
May 28, 2015, 5:00pm – 6:00pm

**Attendees:** TBPOC Members: Steve Heminger (Chair), Malcolm Dougherty, Will Kempton  
PMT Members: Andrew Fremier, Dan McElhinney, Stephen Maller  
Participants: Rosalynn Chongchaikit, Karen Wang, Peter Lee

Convened: 5:18 PM

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<th>Items</th>
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<tbody>
<tr>
<td>1. <strong>EXECUTIVE SESSION</strong>&lt;br&gt;a. SAS Construction Contract Close Out</td>
<td></td>
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</tbody>
</table>
| 2. **REGULAR SESSION**<br>a. SAS Tower Anchor Rod Update | • PMT to provide a water level monitoring update and a recommendation whether dewatering effort should continue for the tower anchor rod inspection holes at the June 4th TBPOC Urgent Meeting.  
• Brian Maroney to present a recommendation of the participants for review panel of experts at June 4th TBPOC urgent meeting call. |
| • Water Quality/Monitoring<br>o Dan McElhinney, Caltrans Chief Deputy District 4 Director, reported the on-going efforts of the water quality laboratory tests and field volumetric measurements in all bolt sleeves where water is present. Preliminary results will be presented at the next June 4th TBPOC Urgent Meeting conference call.  
• Testing Plan and Expert Review Panel<br>o Brian Maroney, SFOBB Project Chief Engineer of Caltrans District 4, presented the on-going development of the updated draft comprehensive anchor rod testing plan and the upcoming proposal of the expert peer review panel that will be presented at the June 4th TBPOC Urgent Meeting conference call for approval.  
• QA/QC Records For E2/T1 Contract |
<table>
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<tbody>
<tr>
<td>o The Department confirmed the location of the QA/QC records for E2/T1 contract as requested by the TBPOC direction from May 20th Urgent Meeting. They are currently working on developing a process to catalogue the files and will report the progress at the next TBPOC meeting.</td>
<td>PMT to establish a review process of the E2/T1 foundation construction contract QA/QC documents and provide an update at the June 23rd TBPOC scheduled meeting.</td>
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<tr>
<td>• Tower Seismic Anchor Rods Pull Load Testing Update</td>
<td></td>
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<tr>
<td>o Dan McElhinney reported on the SAS Tower Anchor Rod Update including a layout plan of the tower seismic anchor rods pull load testing.</td>
<td></td>
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<tr>
<td>o Dan McElhinney requested TBPOC approval to remove a fourth rod 162-2-12 by supplementing the current SAS contract CCO 394 to complete the work, of which costs are estimated to be under the previously approved TBPOC budget of $1 million capital outlay costs.</td>
<td>TBPOC APPROVED the removal of the fourth rod (162-2-12) by supplementing the current SAS CCO 394 to complete the work, of which costs are estimated to be under the previously approved TBPOC budget of $1 million capital outlay cost for pull load testing all tower anchor rods and rod removal. Ultrasonic testing of the fourth rod and an adjacent rod will be implemented prior to rod 4 removal work.</td>
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<tr>
<td>o Dan McElhinney reported that the load testing of 408 rods was completed and 407 passed performance expectations (more than 99%).</td>
<td></td>
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<tr>
<td>o Andrew Fremier expressed interest in performing additional ultrasonic testing of the fourth rod before extracting the rod.</td>
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<td>• The Chair requested a presentation on the final seismic anchor rod tension levels including background on design changes of tension levels with recommendation on what final potential reductions should be considered at the June 23rd meeting.</td>
<td></td>
</tr>
<tr>
<td>• Tower Anchor Rod Testing Plan and Budget Status</td>
<td></td>
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<tr>
<td>o The Chair, W. Kempton, CTC Executive Director, and A. Fremier, BATA Deputy Executive Director, voiced concern</td>
<td></td>
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<tr>
<td>• Department to provide presentation on final seismic anchor rod tension levels including background on design changes of tension levels with recommendation on what final potential reductions should be considered at the June 23rd TBPOC Regular Meeting.</td>
<td></td>
</tr>
<tr>
<td>• Department to present the total budget expenditures to date and forecasted need related to the tower seismic anchor rod investigation work (in capital</td>
<td></td>
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</tbody>
</table>
### 3. OTHER BUSINESS

| |  
|---|---|
| a. Report on matters discussed and actions taken at Urgent Meeting |  
| b. Report on matters discussed and actions taken during Executive Session |  
| - The Chair reported that they discussed the SAS close out and no action was taken. |  
| - The next TBPOC regular meeting is on June 23, 2015, in Oakland, 10:00am – 1:00pm. |  
| - A TBPOC conference call is taking place on June 4, 2015, at 8:30am -9:30am. |  
| 4. GENERAL PUBLIC COMMENT |  
| - No public comment received. |  

Adjourned: 6:08 PM

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<tbody>
<tr>
<td>about overall cost for the tower anchor rod investigation effort.</td>
<td>outlay and capital outlay support costs breakdown) at the June 4th TBPOC Urgent Meeting as part of the presentation planned outlining the overall 2014/15 budget and an updated supplemental fund request as needed.</td>
</tr>
<tr>
<td>- The Chair requested for a full accounting for both CO and COS of all activities related to the tower foundation investigation, including expenditures spent to date and the budget remaining by the next TBPOC meeting and prior to the Department requesting for additional funding for the expert panel team to review the comprehensive testing program.</td>
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(Continued)
TBPOC URGENT MEETING MINUTES  
May 28, 2015, 5:00pm – 6:00pm

APPROVED BY:

__________________________  ____________________
STEVE HEMINGER, TBPOC Chair  Date
Executive Director, Bay Area Toll Authority

__________________________  ____________________
WILL KEMPTON  Date
Executive Director, California Transportation Commission

__________________________  ____________________
MALCOLM DOUGHERTY  Date
Director, California Department of Transportation
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) DATE: June 16, 2015

FR: Andrew Fremier, Deputy Executive Director, Operations, MTC/BATA

RE: Agenda No. - 3a4

Item- TBPOC June 4, 2015 Urgent Meeting Minutes

Recommendation:
Approval

Cost:
NA

Schedule:
NA

Discussion:
The Program Management Team has reviewed and requests TBPOC approval of the June 4, 2015 Urgent Meeting Minutes.
**TBPOC URGENT MEETING MINUTES**
June 4, 2015, 8:30am – 9:30am

**Attendees:**
- **TBPOC Members:** Steve Heminger (Chair), Malcolm Dougherty, Will Kempton
- **PMT Members:** Andrew Fremier, Dan McElhinney, Stephen Maller
- **Participants:** Brian Maroney, Steve Whipple, Ali Banani, Will Schuck, Rosalynn Chongchaikit, Karen Wang, Peter Lee

Convened: 8:32 PM

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<tbody>
<tr>
<td>1. EXECUTIVE SESSION</td>
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<td>a. NA</td>
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<tr>
<td>2. REGULAR SESSION</td>
<td></td>
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<tr>
<td>a. SAS Tower Anchor Rod Update</td>
<td></td>
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<tr>
<td>1. Rod 4 Removal</td>
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<tr>
<td>• Dan McElhinney, Caltrans District 4 Chief Deputy Director, presented a Rod 4 removal update. Caltrans performed UT testing prior to removal of Rod 4 (prior to and after de-tensioning the rod). Rod 4 threads were stripped but was not fractured.</td>
<td></td>
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<td>• Brian Maroney, Caltrans District 4 SFOBB Project Chief Engineer, confirmed the condition of each extracted rod: Rod 1 was never installed completely, threads were seen to be stripped when tightening the nut. Rod 2 was extracted because of water in the grout sleeve, but never proof tested. Rod 3, was UT tested (rod length verification) to be short so it was removed and found to have stripped threads with the nut</td>
<td></td>
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</tbody>
</table>
Items | Action
-----|-----
down near the rod end, then a fractured end surface. Rod 4 passed construction install, but did not pass earthquake proof test. After removal of Rod 4, threads were observed to be stripped.

2. Water Level Monitoring and Testing Update
- Dan McElhinney presented preliminary rod sleeve water level monitoring information of the 424 holes where water level is measured and monitored. 100 holes were identified with water existing, of those 87 had the proper amount for sampling. Once sampled, all were drawn back to near 0 and re-measured the last few weeks. An attachment was provided showing the changes in water level. At this time there is no trend but the Department will continue analysis and collect data through June.
- The Chair inquired whether the 4 empty holes can be used to boroscope under the base plate. Brian Maroney responded this has happened at 1 location but noted it is difficult to extrapolate data from 4 locations.
- The Chair was not ready to conclude a 100 hole problem and inquired if it was worth asking experts whether it better to remove more rods to get a better view? Dan McElhinney and Malcolm Dougherty, Caltrans Director, discussed the use of Caltrans inspectors including an underwater diving inspection team who performs foundation investigations. Recently, they performed inspection at the T1 foundation and they focused on south shaft quadrant.

- The Department will present the water quality information in detail at the June 23rd TBPOC meeting.
<table>
<thead>
<tr>
<th>Items</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Expert Peer Review Panel Proposal</td>
<td>• TBPOC approved a budget not to exceed $750,000 (supplemental COS allocation to the FY 14/15 budget) which will allow the Department to proceed with the following:</td>
</tr>
<tr>
<td></td>
<td>• Brian Maroney presented the recommendation for TBPOC approval of the selected participants for the expert peer review panel and reviewed the scope of proposed activities with the panel.</td>
</tr>
<tr>
<td></td>
<td>• It was noted that the testing plan may not be approved for another 3 months, therefore, TBPOC members recommended investigating the fracture type of Rod 3 immediately. Malcolm Dougherty motioned to approve the Expert Peer Review proposal (NTE $750,000) and to approve additional budget (NTE $200,000) to transport Rod 3 and Rod 4 to a materials laboratory for storage and future testing and expedite the analysis on Rod 3 stripped threads and fractured end.</td>
</tr>
<tr>
<td>4. Testing Plan, Budget Forecast, and Funds Request</td>
<td>• TBPOC approved a budget not to exceed $750,000 (supplemental COS allocation to the FY 14/15 budget) which will allow the Department to proceed with the following:</td>
</tr>
<tr>
<td></td>
<td>a) Initiate a T1 Seismic Anchor Rod Expert Panel in June through July as presented for consultation on the overall tower anchor rod testing plan and protocol. (NTE $550,000)</td>
</tr>
<tr>
<td></td>
<td>b) Transport Rod 3 and 4 to a materials laboratory defined by METS staff. Lab to prep and store each for future testing, but also expedite analysis on rod 3 stripped threads and fractured end to report on the type of fracture and possible cause as directed by METS staff. (NTE $200,000)</td>
</tr>
<tr>
<td>b. Project Budget, Costs, Forecast, and Funds Request</td>
<td>• Dan McElhinney presented an update on the progress of the draft testing plan which will be further discussed and reviewed by the peer review panel. The forecast for May and June of 2015 COS for ongoing tower anchor rod investigation will bring the total to about $4.0 million COS for this fiscal year, which is estimated to be within the overall COS budget for FY 14/15. Capital outlay (CO) expenditures, including contractor work to load test rods and remove rod 3 and rod 4, is expected to be below $750,000.</td>
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</tbody>
</table>

Item 34i-TBPOC_060415_CCMin-final.docx
forecast reporting the total COS expenditures data through April 2015 is $36.5M. The FY14/15 budget approved by the TBPOC to date is $42.84M.

- S. Whipple, Caltrans District 4 Principal Construction Engineer, provided an update on the effort to reduce staff. The Department is looking to continue to cut staffing through June and no supplement is requested at this time.
- TBPOC requested for a detailed presentation of the budget, cost and forecast at the June 23rd meeting.

- Department will present an updated accounting and forecast for FY 14/15 and FY 15/16 at the June 23 TBPOC regular meeting.

### 3. OTHER BUSINESS

#### a. Report on matters discussed and actions taken at Urgent Meeting
- NA

#### b. Report on matters discussed and actions taken during Executive Session
- NA
  - The next TBPOC regular meeting is on June 23, 2015, in Oakland, 10:00am – 1:00pm.

### 4. GENERAL PUBLIC COMMENT

- No public comment received.

Adjourned: 9:50 AM
(Continued)

TBPOC URGENT MEETING MINUTES
June 4, 2015, 8:30am – 9:30am

APPROVED BY:

____________________________
STEVE HEMINGER, TBPOC Chair
Executive Director, Bay Area Toll Authority

____________________________
WILL KEMPTON
Executive Director, California Transportation Commission

____________________________
MALCOLM DOUGHERTY
Director, California Department of Transportation
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC) DATE: June 16, 2015

FR: Dan McElhinney, Chief Deputy District Director, Caltrans District 4
    Steve Whipple, SFOBB Principal Construction Manager, Caltrans District 4

RE: Agenda No. - 4a
    Item- Project Budget, Costs, Forecast, and Funds Request

Recommendation:
Approval

Cost:
See Below

Schedule:
FY 15/16 staffing/consultant support of contracts for overall SFOBB East Span Projects

Discussion:
The TBPOC budget history for FY14-15 is summarized below for reference, and a program look-ahead chart handout on total CO and COS forecast through 2018 is attached. For this FY 14/15 the COS expenditures data now available through May 2015 totals for construction contracts support is $35.7M. In addition, the COS expenditures data through May 2015 is at least $4.0M for the ongoing unanticipated SAS tower anchor rod initial investigation, which includes TBPOC approved field and lab rod testing, expert peer reviews, staffing, and consultant support. Therefore, the total COS expenditures data through May 2015 is $39.7M. The FY budget approved by the TBPOC to date is $43.59M.

The project team managers from Caltrans METS, Construction, Design, and Program Management, reviewed all workload in detail beginning in January through June to reduce costs and focus on resource management. Construction project staffing on site and East Span support staff within the department have been reduced each month. Each consultant contract manager was asked to reconsider all workplans and estimates monthly, while also considering the expanded scope of work on tower

Item 4a_Memo-BudgetForecast-23Jun15-final.doc
anchor rod investigation, including load testing all 422 rods and the additional field and lab testing expected.

As a result, the expenditures have reduced each month, and an action plan to finish the year within the current COS Budget was developed for May and June. The updated forecast to finish FY14/15 is currently between $42.5M and $43.0M, which is within 1% of the approved COS Budget for FY 14/15 (depending on accounting data system variables which will be known as final reports are completed in July/August 2015).

The FY 15/16 COS budget forecast benefited from the resource management effort in FY 14/15 to evaluate and manage state and AE resources efficiently and timely to stay within budget during changing construction workload. The COS budget forecast for FY 15/16 is $38M per the attachments and will be presented in detail for approval at the June 23rd TBPOC meeting.

Below is a summary of activities documented from past TBPOC meetings and decisions for reference relating to the 2014/15 FY capital outlay support budget:

June 4, 2015 (TBPOC Urgent Meeting):
During the June 4, 2015 TBPOC urgent meeting, the Department presented the updated forecast to complete COS FY 14/15 and the program look-ahead chart on total CO and COS forecast through 2018.

TBPOC approved a budget not to exceed $750,000 (supplemental COS allocation to the FY 14/15 budget) which allowed the Department to initiate the expert peer group and additional laboratory work related to the SAS Tower Anchor Rods.

May 11, 2015 (TBPOC Meeting):
A request for supplemental COS funding was not approved. The presentation was asking to consider the expanded scope of work on tower anchor rod investigation, including load testing all 422 rods and the additional field and lab testing expected, the updated forecast to finish FY14/15 which was $45.5M. It was recommended to supplement the FY 14/15 COS budget of $42.85M with $1.7M plus a $1M contingency to a TBPOC approved budget level of $45.5M - which included continued reduction of East Span contracts staff and consultant support, the additional tower seismic anchor rod investigation testing plan, and the $1M contingency based on developing workload needs anticipated in May and June 2015.
May 4, 2015 (TBPOC Urgent Meeting):
During the May 4, 2015 TBPOC urgent meeting, during contract completion strategy discussions the Department presented the possible need for additional tower anchor rod investigation testing, related water level and water quality testing, and impacts to the 2014/15 FY approved budget. The TBPOC approved an additional 2014/15FY COS budget of $440,000 for the TBSRP Program supplementing the approved budget from $42.4M to $42.84M. The Department is to present a full testing plan with scope, updated cost estimates, and timelines to be presented at the next TBPOC meeting for consideration.

April 17, 2015 (TBPOC Regular Monthly Meeting):
At the April 17, 2015 TBPOC meeting in Sacramento, Caltrans presented the COS update with COS expenditures data through March 2015 of $31.8M for construction contracts and an additional $1.7M expended for the ongoing unanticipated SAS tower anchor rod initial investigation related-work through March for this fiscal year. The total COS expenditures data through March 2015 is $33.5M. The PMT planned to review the FY 14/15 work plan of staffing and consultant contracts to further define options to maintain the current approved budget of $42.4M, and review the additional tower anchor rod investigation testing plan proposal cost estimates and cost risks. Caltrans has reduced consultants and state staff, reducing staff assignments and reassigning staff to locations of need and priorities. Challenges ahead that require additional staff support include work with anchor rod investigation, with Coast Guard, YBI ramps and TIDA work. Discussion included upcoming opportunity milestones that influence staffing assignments: completion of SAS contract and SAS tower anchor rod testing, and continued progress of cantilever demolition, and 504/288 contractor-suggested alternate construction methods. The TBPOC noted the biggest influence on change on COS depends on what is decided for the testing program of the tower base rods, which can be an additional $3-5M. Confirmed costs are to be presented at May TBPOC meeting.

April 1, 2015 (TBPOC Urgent Meeting)
During the April 1, 2015 TBPOC urgent meeting, the Department presented the possible need for additional tower anchor rod investigation testing, related peer reviews, and impacts to the 2014/15 FY approved budget. The TBPOC approved an additional 2014/15FY COS budget of $1M for the TBSRP Program from $41.4M to $42.4M. The Department is to present a full testing plan with scope, updated cost estimates, and timelines to be presented at the next TBPOC meeting for consideration.
March 5, 2015 (TBPOC Regular Monthly Meeting)
As requested, the Department presented an overall work plan for 2014/15 FY to match the $41.4M approved in January 2015, with updated expenditure data of $26.8M through to January 2015 including new expenditures data and budget impacts of unanticipated workload for the SAS anchor rod investigation. The discussion clarified the new work would need to initially utilize a portion of the current COS contingency to proceed with METS contract anchor rod UT and SEM testing- the Department was still in the process of evaluating the additional cost risks and planned to present updated information at the April TBPOC meeting. The Department was tracking the $41.4M approved budget.

January 27, 2015 (TBPOC Regular Monthly Meeting)
BATA, representing the PMT, presented the updated proposed COS mitigation plan, recommending a $3M augmentation to the existing approved COS 2014/15 FY budget from $38.4M to $41.4M. The TBPOC approved the updated proposed budget. The TBPOC requested for the PMT to return to the March TBPOC meeting to present a work plan to match the $41.4M with $1M in unallocated contingency.

December 1, 2014 (TBPOC Urgent Meeting)
The Department presented the COS mitigation plan to reduce overall COS 2014/15 FY forecast from $49.8M to $44.8M ($6.4M above the approved COS budget). The chair noted that BATA will present a counter offer to the Department’s COS mitigation plan for 2014/15 FY and for the rest of the program in an effort to result in a better forecasted figure.

November 4, 2014 (TBPOC Regular Monthly Meeting)
The Department presented the third quarter 2014 COS update that provided information on the 2014/15 FY forecasted amount of $49.8M against the 2014/15 FY approved budget of $38.4M ($11.4M above the approved COS budget). A number of unanticipated additional work was discussed that resulted in the budget variance. The TPBOC requested the Department to present a COS mitigation plan at a TBPOC conference call prior to the December 3rd TBPOC monthly meeting. (Conference call was held on December 1, 2014.)

April 11, 2014 (TBPOC Regular Monthly Meeting)
During the April 11th 2014 TBPOC Monthly meeting, the TBPOC approved a 2014/15FY COS budget of $38.4M for the TBSRP Program. The TBPOC also approved
the Department’s request for an additional increase of $84.4M to the TBSRP COS total budget, resulting from $1221.6M to $1306M.

**Attachments:**
1. Capital Outlay and Capital Outlay Support Expenditures and Forecast Chart
2. East Span Construction Schedule
3. FY 15-16 Proposed Budget
4. FY 15-16 Planned Dollars – By Contract
East Span CO & COS Cash flow
Expenditures thru March 2015

Notes:
1) CO & COS Forecast are based on draft 1st Quarter Data.
2) We project that the Current Approved Budget of $1305.5M will be exhausted by the end of March 2016.
## East Span Construction Schedule

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<tbody>
<tr>
<td><strong>SAS</strong></td>
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<tr>
<td><strong>YBITS #2</strong></td>
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<tr>
<td><strong>YBI Landscape</strong></td>
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<td><strong>OTD #2 Eastbound</strong></td>
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<td><strong>504/288 Superstructure Dismantling</strong></td>
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<tr>
<td><strong>Marine Foundation Removal</strong></td>
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**Seismic Safety Opening** 8/28/2013

**Risk**

- April 2014
- May 2015
### FY 15-16 Proposed Budget

<table>
<thead>
<tr>
<th></th>
<th>Dollars (K)</th>
<th>PY &amp; PYE</th>
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<tbody>
<tr>
<td>State</td>
<td>$18,800</td>
<td>74.4</td>
</tr>
<tr>
<td>A&amp;E</td>
<td>$19,200</td>
<td>69.3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$38,000</strong></td>
<td><strong>143.7</strong></td>
</tr>
</tbody>
</table>

**Percentage of Total:****

- **State:** 54%
- **A&E:** 46%

**Dollars:**

- **State:** 51%
- **A&E:** 49%

**PY&PYE:**

- **State:** 74.4
- **A&E:** 69.3
FY 15-16 Planned dollars – by Contract

DOLLARS (thousands)

<table>
<thead>
<tr>
<th>Contract</th>
<th>State ($ in k)</th>
<th>A&amp;E ($ in k)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YBITS2 0120T</td>
<td>$6,273</td>
<td>$4,975</td>
</tr>
<tr>
<td>504/288 Demo 01352</td>
<td>$5,858</td>
<td>$4,565</td>
</tr>
<tr>
<td>SAS 0120F</td>
<td>$897</td>
<td>$5,640</td>
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<tr>
<td>Marine Demo 01353</td>
<td>$2,943</td>
<td>$2,780</td>
</tr>
<tr>
<td>E3 Demo 01354</td>
<td>$1,903</td>
<td>$800</td>
</tr>
<tr>
<td>OTD2 0120M</td>
<td>$387</td>
<td>$240</td>
</tr>
<tr>
<td>Other</td>
<td>$602</td>
<td>$140</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$18,864</td>
<td>$19,140</td>
</tr>
</tbody>
</table>

“Other” includes: YBITS1, Dumbarton Public Access, YBI Landscape, West Approach.
TO: Toll Bridge Program Oversight Committee (TBPOC)       DATE: June 16, 2015

FR: Steven Whipple, SFOBB Principal Construction Manager, Caltrans/
     Deanna Vilcheck, SFOBB Area Construction Manager

RE: Agenda No. - 5a1
     Item- Yerba Buena Island Transition Span (YBITS) 2 Update

Recommendation:
INFORMATION

Cost:
NA

Schedule:
NA

Discussion:
The Department plans to provide an update on the on-going construction work on
the Yerba Buena Island Transition Span (YBITS) 2 contract at the June 23rd TBPOC
meeting. The YBITS 2 project consists of the demolition of the Yerba Buena Island
Detour structure and the cantilever section of the old east span of the Bay Bridge,
the construction of the permanent east bound on-ramp (EBOR) from YBI to the new
bridge, and improvements to the U.S. Coast Guard (USCG) base on YBI.

The Department’s license with the USCG will expire in December 2016, and as a
primary option it is recommended to request an extension to at least December 2017
of the license from the USCG due to ongoing construction needs versus a much
higher cost secondary option requested by USCG being considered as part of CCO
111 (discussed further in this memo).

Below is a brief project update and discussion on pending changes.

Project Update
Cantilever demolition was completed on June 11th. Three columns from the Yerba
Buena Island Detour (YBID) are left to be removed. Removal of these columns is
expected in winter of 2016, however, if the proposed CCO 111 is implemented, as described below, removal of these columns can be completed by October 2015.

The main superstructure of the EBOR is a cast-in-place prestressed concrete box girder bridge, however the overhang on the north side and bike path on the south side are constructed independently and sequentially. The work on the EBOR is progressing slightly ahead of schedule. Overseas steel fabrication in Korea for the bike path is planned to be complete by the end of July 2015, depending on schedule risks during fabrication and/or installation issues of the bike path steel (supports and handrails).

Schedule
When work began on YBITS-2 the contractual completion date was February 29, 2016 (the project is a calendar day job with no allowance for weather days). The current completion date is June 2, 2017. (Please recall that CCO Nos. 40 and 97 extended the completion date by 430 working days.) As information, CCO 76, bike path support beam changes, and draft CCO 44, additional embankment confinement system (ECS), also have the potential to extend the project completion date but they have not been incorporated into the project schedule since they are still under consideration by the PMT, Department and the contractor.

Pending Changes
The following two CCOs (111 and 44) are under consideration at this time and may affect the USCG facility longer at YBI and extend completion of YBITS 2 work.

CCO 111: Re-sequencing of the USCG Base Work
The USCG license, allowing construction on USCG property, expires December 31, 2016. Other CCO work, related to the SFOBB new East Span projects, has delayed the completion of the YBITS 2 contract and work on USCG property until at least spring of 2017. CCO 111 is being considered in cooperation with the USCG to allow the YBITS 2 contractor to work beyond December 31, 2016 and into 2017, but revises the return of some areas by July 1, 2016 at the request of the USCG.

Completing all work within the USCG operational area prior to July 2016 impacts many of the contractor’s operations that otherwise would be completed in 2017 including: improvements and restoration of USCG property, accelerating
Memorandum

construction of the EBOR, and multiple mobilizations of contractor and subcontractor forces.

California Engineering Contractors/Silverado Construction Inc., a JV (CECSC) has submitted a schedule that shows they can complete work within the USCG operational area within a year, if they begin work on these CCOs before August 2016. At their May 11, 2015 meeting the TBPOC approved funds to complete the design necessary for work within the USCG operational area. However, the Department and CECSC have not been able to agree on a price for CCO 111. The contractor’s initial estimate was received, but the Department and CECSC continue to negotiate and could possibly have a mutually agreed to cost prior to the July 2015 TBPOC meeting.

**CCO 44: Additional ECS Slope Work**

Draft CCO 44 adds additional embankment confinement system (ECS) work to the YBITS 2 contract. ECS work is required to keep the steep slopes adjacent to the USCG base from failing. These slopes are on USCG property and were affected by SFOBB East Span work on the YBITS (1&2) and YBID contracts. The YBITS 2 contract included some ECS work within the southerly part of its contract limits, but there was no provision for the needed ECS work in the areas where YBITS 1 and the YBID construction activities disturbed the slope. Until recently, this new ECS work was planned to be done under a future contract (YBITS 3), however the work needs to be done as soon as possible to stabilize slopes under the SFOBB new East Span projects above USCG facilities. The CCO 44 costs are being negotiated with the contractor. Approval is not being requested at this time.

**Attachment:**

Aerial Photo of Current Project
Exhibit of Additional Embankment Confinement System (CCO #44)
YBITS 2 - Current Progress as of June 3, 2015
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)  DATE: June 16, 2015

FR: Steven Whipple, SFOBB Principal Construction Manager, Caltrans/
Stefan Galvez, Chief, Office of Environmental Analysis

RE: Agenda No. - 5b

Item- Pier E3 Demo Contract and Permits Update

Recommendation:
INFORMATION

Cost:
$18.5 million capital outlay (CO) funds

Schedule:

Discussion:

Pier E3 Demo Contract Construction Progress
Kiewit/Manson, A Joint Venture has begun work at Pier E3 with mobilization on June 2, 2015 and fender removal which started on June 3. Above waterline concrete demolition is scheduled to begin by June 22, 2015. Contractor will need to begin fill disposal into the caisson.

Permit Status Related to the Mechanical Dismantling Phase:
- BCDC issued a conditional approval letter for the Mechanical Dismantling Phase on May 27, 2015.
- Amendment No. 39 to the BCDC permit is scheduled for approval by BCDC Executive Director on June 18, 2015. Amendment to the permit will authorize the placement of construction debris below the mud line, within the caisson of Pier E3 of the former San Francisco-Oakland Bay Bridge.
Department submitted the SWPPP for the Mechanical Dismantling Phase of Pier E3 to RWQCB for approval on May 22, 2015 and was approved on June 1, 2015.

Permits Status Related to Pier E3 Underwater Implosion:

United States Fish and Wildlife Services (USFWS):
- Memorandum of “no effect” for the federally protected California least tern was finalized on April 15, 2015.

National Marine Fisheries Service (NMFS) Fisheries:
- Department submitted a Biological Assessment to NMFS on February 17, 2015.
- 135 day statutory timeline is July 2, 2015.
- Draft BO was completed under NMFS management review. Issuance is expected by late June/early July.

San Francisco Regional Water Quality Control Board (RWQCB):
- The Department submitted a Water Quality Study to RWQCB 2/28/2015.
- RWQCB 30-day Public Notification posting is scheduled for May 25.
- Addendum to the Water Quality Study is scheduled to be submitted by July 16.
- Monitoring program is targeted to be submitted by July 16.
- SWPPP for drilling and charges is targeted to be submitted by July 16.
- The RWQCB permit update is expected by August 6.

California Department of Fish and Wildlife (CDFW):
- The Department submitted a request for a major amendment to Incidental Take Permit No. 2081-2001-021-03 (ITP) on February 18, 2015.
- Department submitted overall monitoring plan to complete ITP application on May 28, 2015.
- ITP Major Amendment is to be determined, based on a agreed mitigation strategy with CDFW.
- Negotiations are under way with CDFW. Department is awaiting CDFW proposal on a mitigation methodology for the take of LFS.
- CDFW position on LFS is needed by early July so ITP can be issued before August.
- There is a potential moderate risk that CDFW may not issue ITP before August.
Memorandum

San Francisco Bay Conservation and Development Commission (BCDC):
• BCDC request for material Amendment No. Thirty-Eight to Permit No. 2001.008 (formerly 8-01) was submitted March 30th.
• Department briefed BCDC Commission on April 2, 2015.
• The Department received a letter informing of an incomplete application from BCDC on May 1, 2015.
• Department met with BCDC on May 19, 2015.
• Department’s letter of response is targeted for June 15, 2015.
• Public posting late June.
• BCDC Commission hearing and approval is scheduled for August, pending receipt of CDFW’s ITP in July.
• There is a potential risk of a permit delay to September if CDFW’s ITP not issued in July.

National Oceanic and Atmospheric Administration (NOAA) Marine Mammals:
• Incidental Harassment Authorization (IHA) for behavioral impacts to marine mammals was submitted to NOAA on March 3, 2015.
• NOAA IHA- Fed Register 30-day posting is scheduled for June 15.
• Responses by the Department are expected by June/July.
• NOAA Issuance is expected in August.
• There is a potential risk for a delay, but it can be managed via expanded marine mammal monitoring.

United States Army Corps of Engineers (USACE):
• USACE letter of modification (LOM) to Permit No. 023013S was submitted on March 20, 2015.
• USACE posted Public Notice on May 15, 2015.
• Comment period concludes on June 14, 2015.
• Department has 30 days to respond to comments.
• USACE LOM will not be issued until all other permits have been issued by remaining agencies.
• There is potential moderate risk of delay in issuance of permit past August if CDFW does not issue ITP in July.
Stakeholder Outreach:

• On March 26, 2015, the Department met with representatives from Save the Bay, Golden Gate Audubon Society, Sierra Club, The Bay Institute, and San Francisco Bay Keeper.
• On April 28, 2015, the Department met with the Marine Mammal Center in Sausalito.
• On May 20, 2015, the Department conducted a follow up meeting with Golden Gate Audubon and Sierra Club.
• On June 9, 2015, the Department conducted a follow up meeting with Bay Keeper and RWQCB.

Final Environmental Impact Statement (FEIS) Revalidation:

• The Department is currently preparing a revalidation of the SFOBB FEIS.
• The re-validation is targeted a completion by July 2015, upon receipt of NMFS Biological Opinion (BO).
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)

DATE: June 16, 2015

FR: Steven Whipple, SFOBB Principal Construction Manager, Caltrans

RE: Agenda No. - 5c
Item- 504/288 Superstructure Dismantling Contract Update

Recommendation:
INFORMATION

Cost:
NA

Schedule Impacts:
NA

Discussion:
The Department will provide an update on the recent work related to the 504/288 Superstructure Dismantling Contract No. 04-013524 performed by the contractor, California Engineering Contractors, Inc. and Silverado Contractors, Inc., JV. Below is a brief summary of the current field operations and submittal work.

- Current operations:
  1. Phase One of Seven started on 6/9/2015
     a. Upper deck marker button removal beginning
     b. Mobilizing equipment for upper deck asphalt grinding
  2. Coordination with Museum for salvage material
     a. Fact sheet created for artist outreach
     b. Material should become available Aug, 2016

- Active submittal work prior to start of work in June 2015
  1. Contract submittals for Phase One adequate to begin
  2. SWPPP (revision required before Phase Two start)
  3. USCG (required before Phase Two start)
  4. Demolition work plan (revision required before Phase Two start)
  5. Material handling plan (revision required before Phase Two start)

Attachments:
1. Phase One Bridge Removal Plan (Draft, dated 5/15/15)
2. Exhibit II-A: Original East Span Demolition By the Numbers Fact Sheet
3. Exhibit II-B: Elements of the Original East Span of the Bay Bridge Selected for Salvage
4. Salvage Bridge Elements Plan
**Original East Span Demolition By the Numbers**

- **Between Piers E2 and E3 (First Phase of Demolition):**
  - Length of cantilever upper deck to be removed – **1,400 feet**
  - Amount of concrete to be removed – **2,125 tons**
  - Amount of rebar to be removed – **375 tons**
  - Amount of steel deck supports to be removed – **1,300 tons**

- **Cantilever Structure:**
  - Cantilever bridge steel – **20,412 tons**
  - Cantilever pier/foundation steel – **2,257 tons**
  - Cantilever concrete – **12,460 tons**
  - Cantilever pier/foundation concrete – **53,553 tons**
  - Height of tallest point of cantilever above the water – **382 feet**

- **Yerba Buena Island Detour**
  - .25 miles (1,314 feet)
  - .46 miles (2,420 feet)
  - .49 miles (2,569 feet)
  - .78 miles (4,104 feet)

- **Total Statistics:**
  - Length of East Span – **1.97 miles**
  - Total steel – **58,209 tons**
  - Total concrete – **245,470 tons**
  - Bridge steel – **51,687 tons**
  - Pier/foundation steel – **6,522 tons**
  - Bridge concrete – **66,962 tons**
  - Pier/foundation concrete – **158,470 tons**
BAY BRIDGE STEEL
Program for Creative Reuse in Civic and Public Art Projects
Oakland Museum of California

Exhibit II-B: Elements of the Original East Span Selected for Salvage

**Warning Light and Platform (Item L)**
- Quantity: 3
- Approximate Dimensions: 4’8” x 2’4”
- Approximate Weight: 0.5 tons

**Top Chord and Man Hole Unit (Item T)**
- Quantity: 6
- Approximate Length: 30’
- Approximate Weight: 10 tons
Vertical Strut (Item V)
Quantity: 30
Approximate Length: 30’
Approximate Weight: 3.6 tons

Top Joint Knuckle (Item J)
Quantity: 16
Approximate Length: 5’ radius
Approximate Weight: 3.6 tons
Top Diagonal Brace (Item D)
Quantity: 30
Approximate Length: 40'
Approximate Weight: 1.0 tons

Side Diagonal Truss Member (Item S)
Quantity: 20
Approximate Length: 40'
Approximate Weight: 3.6 tons
Eye Bar (Item E)
Quantity: 32
Approximate Length: 20’
Approximate Weight: 1.0 tons

Vertical Truss Member (Item G)
Quantity: 30
Approximate Length: 42’
Approximate Weight: 2 tons
Top Horizontal Brace (Item I)
Quantity: 10
Approximate Length: 66’
Approximate Weight: 2.9 tons

End Vertical Truss Member (Item K)
Quantity: 10
Approximate Length: 38’
Approximate Weight: 2.4 tons
Rivets (1” minimum shank)
Quantity: 1,000
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)  
DATE: June 16, 2015

FR: Steven Whipple, SFOBB Principal Construction Manager, Caltrans District 4  
Bill Casey, SAS Resident Engineer, Caltrans District 4

RE: Agenda No. - 5d1

Item- Self-Anchored Suspension Span (SAS) Construction Update

Recommendation:  
INFORMATION

Cost:  
Potential cost impacts to be determined.

Schedule Impacts:  
Potential schedule impacts to be determined.

Discussion:  
At the May 28, 2015 TBPOC meeting, the TBPOC directed the Department to proceed with completing tower anchor rod 4 removal concurrently with initiating typical contract closeout procedures by directing contractor ABF to complete all onsite work, cleanup, and demobilize from the SAS worksite and Pier 7 facility by July 31, 2015. These activities include but may not be limited to:

- demobilizing all equipment associated with CCO 394 and the tower anchor rod grouting issues,
- performing all tower base cleanup and paint repair activities,
- performing all Pier 7 cleanup work,
- demobilizing all excess grout and grease materials procured for the tower anchor rods.

The majority of this work is anticipated to be complete near the end of June. The Department will perform the final SWPPP inspection once all work and demobilization activities are complete. The Department will then initiate the contract close out process.
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)

FR: Brian Maroney, SFOBB Project Chief Engineer, Caltrans

RE: Agenda No. – 5d2
    Item – SAS Tower Anchor Rod Investigation Update

Recommendation:
INFORMATION

Costs:
Supplemental funds to be determined at a later date.

Schedule:
Field and lab testing is ongoing and will continue through June 2015, with additional lab work, peer reviews, and final report development continuing through Fall 2015.

Discussion:

The Department plans to present the following updates related to the SAS tower anchor rod investigation at the June 23rd TBPOC meeting:

- During the month of June, water level weekly measurements of the tower anchor rod sleeves is concluding within budget and has provided sufficient data needed to consider dehumidification options and present to the peer review panel in July for consideration. Lab work continues on water quality samples from May 2015, with results to be provided in late June. The related water testing work performed is estimated to remain within budget.

- Per the TBPOC direction on June 4th TBPOC, the Department has asked that METS prepare and transport tower seismic anchor rod sample Rod 3 to an expert laboratory. The Department will provide the latest information from the lab as an update on Rod 3 investigations at the TBPOC meeting.
Memorandum

- Per the TBPOC direction on June 4th, the Department has proceeded with forming the T1 Seismic Anchor Rod Expert Peer Review Panel that will review and provide recommendations within three months during the development of the Tower Seismic Anchor Rod Testing Program. The Department plans to present an update of the schedule of milestones, which is currently under development.

- The Department plans to provide an update on the progress of the review of the E2/T1 Construction QA/QC archives.
Memorandum

TO: Toll Bridge Program Oversight Committee (TBPOC)

DATE: June 16, 2015

FR: Dan McElhinney, Caltrans District 4 Chief Deputy District Director
     Brian Maroney, SFOBB Project Chief Engineer, Caltrans

RE: Agenda No. – 5d3
    Item – Tower Anchor Rod Dehumidification Proposal

Recommendation:
FOR APPROVAL

The Department is requesting approval for supplemental funding due to additional scope identified during the tower seismic anchor rod investigations to date to initiate development of the plans, specification and estimates to complete the final cleaning, drying and develop a solution to protect the rods for the ones that do not have significant water found in the base of the rod grout sleeves (approximately 300). The TBPOC directed the SAS Tower Seismic Anchor Rod Expert Group to review and recommend an action plan.

Costs:
Not to exceed $750,000 Capital Outlay Support (COS)

Schedule:
Begin immediately; duration estimated 3 months

Discussion:

Borescope observations document that the majority of the SAS Tower Seismic Anchor Rods do not have water found in the base of the rod grout sleeves as per water level measurements in May/June 2015. If approved, this funding would support the development of a set of Plans, Specifications and Estimates (PS&E) to be reviewed by the T1 Tower Seismic Anchor Rod Expert Group and be contract-ready to complete the final cleaning, drying and protection solution for the rods (e.g. grease, grout, or other). It should be recognized that drying of the sleeves will require the use of dehumidifiers until the air down the holes is determined to be dry using instrumentation to measure moisture present in the air. Upon final estimates, a follow up contract capital outlay funds request to the TBPOC will be made before proceeding with field work.

It should be understood that anchor rod grout sleeves that have been identified to have rising water in them (approximately 120) will require additional consideration and supplemental work. It is anticipated the Toll Bridge Program Oversight Committee (TBPOC) expects the project team to work with the T1 Tower Seismic Anchor Rod Expert Group (approved June 4) before proposing a final recommendation on those sleeves to the TBPOC.
ITEM 6: OTHER BUSINESS

a. Report on matters discussed and actions taken at Urgent Meeting

b. Report on matters discussed and actions taken during Executive Session
ITEM 7: GENERAL PUBLIC COMMENT