

**A History of
the Bay Bridge Design Task Force
and
the Engineering and Design Advisory Panel**

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METROPOLITAN
TRANSPORTATION
COMMISSION

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I. Background

On October 17, 1989 the Loma Prieta earthquake measuring 7.1 on the Richter scale struck the Bay Area. One motorist was killed after a 50-foot section of the upper deck of the east span of the San Francisco-Oakland Bay Bridge collapsed and caused the collapse of the deck below it. At the time of the earthquake the Bay Bridge was the nation's most traveled bridge, carrying 243,000 vehicles per day.

Between 1989 and 1995 various investigations, reports and recommendations were made concerning the seismic safety of the bridge and considering the question of whether to retrofit or replace the east span.

In January 1996 California Department of Transportation (Caltrans) announced that it could be more cost effective to replace the east span of the Bay Bridge as opposed to retrofitting it. In December 1996 a study by Ventry Engineering of Florida recommended replacing rather than retrofitting the east span. Two expert panels, the Seismic Advisory Board and the Peer Review Panel for the Seismic Safety Review of the Toll Bridge Program Designs, "strongly recommend" that Caltrans build a new east span rather than retrofit the old one.

On January 29, 1997 Caltrans management decided to build a replacement of the east span rather than retrofit the original span. Governor Pete Wilson announced on February 13, 1997 that the east span would be rebuilt rather than retrofitted.

Bay Area officials were told that the state would pay for a basic concrete aqueduct-style bridge and if the Bay Area wanted a more aesthetically pleasing design, it would have to pay any extra cost.

The Metropolitan Transportation Commission (MTC) appointed the Bay Bridge Design Task Force (Task Force), a seven-person subset of the commission, in March 1997 to forge a regional consensus on the design of the replacement span. The Task Force in turn appointed the Engineering and Design Advisory Panel (EDAP) comprised of experts in bridge engineering, architecture, and geology. The Task Force made its final recommendations based on the advice of EDAP.

On May 29, 1998 EDAP recommended a single-tower self-anchored suspension (SAS) span with the original viaduct design. The Task Force accepted the recommendation on June 24, 1998. The design consisted of four parts: a low-rise "Oakland Approach;" the longest section, a pier-supported "Skyway;" a signature single-tower self-anchored suspension span; and a fourth section connecting the east side of Yerba Buena Island to the tower. The new east span would consist of two side-by-side bridges with five lanes each, plus shoulders and a bicycle/pedestrian path.

MTC voted 11-1 on June 24, 1998 to adopt the design recommended by the Task Force. Oakland Mayor Elihu Harris was the only dissenting vote, deriding the aesthetics of the structure.

In 1999 Mayors Jerry Brown of Oakland and Willie Brown of San Francisco sent a letter to Governor Gray Davis urging him to consider a southern alignment instead of the proposed northern alignment of the new span. The Task Force reconvened in February 1999 to hear San Francisco's objections to the design. In a joint session the Task Force and EDAP met to hear a briefing by the City of San Francisco on its proposal for a southern alignment.

On August 27, 1999 officials from Caltrans, San Francisco, the Navy, and other agencies met in Washington D.C. with White House aides to discuss disputes about the bridge. More than a year after first requested, the Navy gave Caltrans permission on September 23, 1999 to collect geological information on Yerba Buena Island.

The Federal Highway Administration commissioned the Army Corps of Engineers to study the design of the east span in April 2000. In September the Army Corps of Engineers released a report endorsing the decision to rebuild the east span and in October another study gave qualified support to the bridge design with recommendations that Caltrans perform additional evaluation and testing of the replacement design as it neared completion.

The Federal Highway Administration on July 11, 2001 approved the Record of Decision for the new east span which cleared the way for Caltrans to advertise for contractors.

Governance for building the new east span was first assigned to Caltrans and then in 2005 to the newly established Toll Bridge Program Oversight Committee (TBPOC). The groundbreaking ceremony for the new east span was held on January 29, 2002 and the span was officially opened on September 2, 2013.

II. MTC, Task Force and EDAP Meeting Materials

1997

March 18, 1997 – Task Force

The agenda includes an introduction to the Task Force, a review of the public participation process, background and history of the project and a presentation by Caltrans. A transcript of the meeting is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970318.pdf

March 27, 1997 – Task Force

The agenda includes an introduction of the Alameda County Congestion Management Agency and the Alameda County Transportation Authority and a presentation by Caltrans on bridge design alternatives. A transcript of the meeting is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970327.pdf
http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970327_2.pdf

April 9, 1997 – Task Force and EDAP

The agenda includes introductions, the purpose of the Task Force, a timetable and the role of EDAP, the composition of panel and addition of members, and the development of engineering and design criteria for new bridge.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19970409.pdf

April 16, 1997 – Task Force

The agenda includes an introduction of Contra Costa Transportation Authority, a staff report on bicycle and bus/carpool lanes, a summary of the EDAP meeting and a presentation by Caltrans on bridge design alternatives. A transcript of the meeting is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970416.pdf

April 22, 1997 – Task Force and EDAP

The agenda includes a site conditions briefing, a video presentation on bridge design alternatives, engineering and design criteria approval and a schedule of meetings.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19970422.pdf

April 23, 1997 – Task Force

The agenda includes an introduction of the Solano Transportation Authority and a presentation by Caltrans on bridge design alternatives. A transcript of the meeting is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970423.pdf

May 8, 1997 – Task Force

The agenda includes an introduction of the San Francisco County Transportation Authority, a staff report on a bicycle lane, Yerba Buena/Treasure Island ramps, EDAP activities, a presentation by Caltrans on bridge design alternatives and a presentation on the Transbay Terminal. A transcript of the meeting is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970508.pdf

May 12-14, 1997 – Task Force and EDAP

The agenda for this three-day meeting includes background briefings, presentations by those submitting designs, a discussion of alternatives, refinements, or additional alternatives and a panel discussion of next steps. A checklist of choices is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19970512.pdf

June 2, 1997 – Task Force and EDAP

The agenda includes approval of the draft meeting record of the May 12-14 workshop, a presentation on additional information requested by EDAP and further discussion and deliberations by EDAP. The evaluation of proposals and a list of rejected designs are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19970602.pdf

June 16, 1997 – Task Force and EDAP

The agenda includes approval of the draft meeting record for June 2, a presentation on additional information requested by EDAP, suggested future role and continuing process for EDAP and approval of the engineering and design recommendations and the continuing process by EDAP.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19970616.pdf

June 24, 1997 – Task Force

The agenda includes a presentation of recommendations by EDAP, a presentation by Caltrans on bridge design alternatives, a summary of public comment and the decision outline for major issues. A summary of public comment is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970624.pdf

July 23, 1997 – Task Force

The agenda includes a presentation of a staff report and recommendations, Task Force discussion and final action on recommendations. A memo from the San Francisco Bay Conservation and Development Commission is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19970723.pdf

July 30, 1997 – MTC

Agenda item 2 – San Francisco-Oakland Bay Bridge Eastern Span Bridge Design and Planning Recommendations. This item contains the 17 recommendations made by the Task Force.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_mtc_19970730_rec.pdf

October 8, 1997 – Task Force

The agenda includes an update on the selection process of bridge design teams, an update on the environmental impact statement, and a staff report on the Transbay Transit Terminal.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19971008.pdf

November 12, 1997 – Task Force

The agenda includes a status report on proposed bike/pedestrian access and a staff report on the Transbay Terminal project. A memo on the selection of bridge design teams dated November 20, 1997 is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19971112.pdf

1998

January 13, 1998 – Task Force

The agenda includes reports on identifying the northern alignment as the preferred alternative and geotechnical investigations, a presentation of design information on the recommended new span and a report on the response to passage of four local advisory measures regarding passenger rail service on the bridge.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980113.pdf

February 11, 1998 – Task Force

The agenda includes the schedule for the 30% design process, an introduction of joint venture design team T. Y. Lin International and Moffatt & Nichol, an update on the proposed bike/pedestrian access on the new east span and an update on the Transbay Terminal.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980211.pdf

March 2, 1998 – Task Force and EDAP

The agenda includes a summary of events since last EDAP meeting, an introduction of the joint venture design team, T. Y. Lin International and Moffatt & Nichol Engineers, and a presentation of the alternative cable-stayed and self-anchored suspension span designs.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980302.pdf

April 8, 1998 – Task Force

The agenda includes a report on design alternatives for the new eastern span, a legislative update, a report on the process of naming bridges and a report on contracting opportunities in toll bridge construction. A tally of public responses to the proposed bridge designs is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980408.pdf

April 15, 1998 – Task Force and EDAP

The agenda includes approval of the draft meeting record for March 2, a preliminary ground motion report, a preliminary geology report, a presentation of bridge design alternatives: cable-stayed, self-anchored suspension and a discussion of alternatives.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980415.pdf

May 13, 1998 – Task Force

The agenda includes a status report on design alternatives for the new eastern span and a report on the Transbay Terminal. A tally of public responses to the proposed bridge designs and illustrations of various design alternatives are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980513.pdf

May 18, 1998 – Task Force and EDAP

The agenda includes approval of the draft meeting record for April 15, a report on seismic safety issues, the context for EDAP recommendations, a presentation and recommendations on bridge design alternatives, and discussion and recommendations for: bridge type, materials, bicycle/pedestrian access and continuing design review.

A document titled “Draft Structural Component Construction Cost Estimates 30% Design Level for the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project” and a letter from the City of Oakland are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980518_1.pdf

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980518_2.pdf

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980518_3.pdf

May 29, 1998 – Task Force and EDAP

The agenda includes approval of the draft meeting record for May 18, a presentation of additional information on the single-tower bridge designs and EDAP deliberations and recommendations.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19980529.pdf

June 10, 1998 – Task Force

The agenda includes a presentation of bridge design recommendations by EDAP. Senate Bill 60, concerning funding for the toll bridge seismic retrofit project, is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980610.pdf

June 22, 1998 – Task Force

The agenda includes bridge design and amenity recommendations including the cable-supported long span, the bicycle/pedestrian path and the Transbay Transit Terminal. Letters in support of the suspension design and a transcript of the meeting are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19980622.pdf

June 24, 1998 – MTC meeting as Bay Area Toll Authority (BATA)

Agenda item 5 Bay Bridge Design Task Force – Resolution no. 10 – Bay Bridge Design & Amenities.

The resolution states:

San Francisco-Oakland Bay Bridge East Span Replacement Project

1. The new eastern span should have a single-tower self-anchored steel suspension long span at Yerba Buena Island with a variable depth concrete causeway connecting the long span to the Oakland shore.
2. The new eastern span should have bicycle/pedestrian access permanently guaranteed with a single bicycle/pedestrian path 15.5 feet wide and 1 foot above deck level on the south side of the eastbound deck.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_bata_19980624.pdf

October 9, 1998 – Task Force and EDAP

The agenda includes approval of the draft meeting record for May 29, 1998, a summary of the BATA recommendations and the upcoming schedule of EDAP meetings, a status report on the new eastern span project, a presentation of detailed design information on the recommended new eastern span and EDAP discussion and comments. BATA resolution no. 10 is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19981009.pdf

October 14, 1998 – Task Force

The agenda includes a summary of events since the Bay Area Toll Authority actions in June 1998 and a presentation of design information on the recommended new eastern span including the Oakland touchdown, the Yerba Buena Island concepts, the skyway design and the bicycle/pedestrian path.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19981014.pdf

1999

January 4, 1999 – Task Force and EDAP

The agenda includes approval of the draft meeting record for October 9, 1998, a status report on the environmental impact statement and geotechnical investigations, a presentation on detailed design information on the recommended span and EDAP discussion and comments.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19990104.pdf

February 24, 1999 – Task Force and EDAP

The agenda for this special joint informational briefing includes background on the recommended northern alignment, a briefing on the City of San Francisco's proposed southern alignment (S-1) and questions from the Task Force and EDAP members. Correspondence and newspaper articles are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19990224.pdf

April 14, 1999 – Task Force

A notice of meeting cancellation is presented.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19990414.pdf

July 6, 1999 – Task Force and EDAP

The agenda includes approval of the draft meeting record for January 4, 1999, recent project-related correspondence, a status report on the final environmental impact statement, a presentation of detailed design information on the recommended eastern span, a report from the Seismic Safety Peer Review Panel and EDAP discussion and comments.

A document titled “East Bay Bridge Modified S-1 Alignment Structure Evaluation” is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19990706_1.pdf

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19990706_2.pdf

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_19990706_3.pdf

July 14, 1999 – Task Force

The agenda includes recent project-related correspondence, a status report on the final environmental impact statement, a presentation of design information on the recommended new eastern span, a report on EDAP design recommendations, a presentation on EDAP design recommendations, a status report on the remaining bridge “amenity” options and a status report on Gateway Park.

A report titled “East Bay Bridge Modified S-1 Alignment Structure Evaluation” is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19990714.pdf

September 8, 1999 – Task Force

The agenda includes a proposed strategy on additional bridge design features. Letters concerning the Navy denying access to Caltrans on Yerba Buena Island are included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_19990908.pdf

2000

December 7, 2000 – Task Force and EDAP

The agenda includes a status report on the east span design effort and the environmental review process, a response to the Army Corps of Engineers report recommendations, a report from Ground Motion Subcommittee and next steps. A letter to President Bill Clinton regarding the Navy delay allowing Caltrans to conduct geological drilling and other correspondence is included.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_20001207.pdf

III. Correspondence and Other Documents

1998

August 1998

Two form letters

From: Mary V. King, Task Force
Subject: Bicycle/pedestrian path

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_07.pdf

1999

March 8, 1999

Letter

To: Steve Heminger, MTC
From: Harry Y. Yahata, Caltrans
Subject: San Francisco-Oakland Bay Bridge East Span Seismic Safety Project
Attachment: Transcript of the January 13, 1999 Bay Bridge Design Task Force meeting.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_05.pdf

December 18, 1999

Letter

To: Jim Beall, MTC
From: Bruce D. Ohlson
Subject: Bicycle access to bridges

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_12.pdf

2000

January 7, 2000

Letter

To: Bruce D. Ohlson
From: Steve Heminger, MTC
Subject: Response to letter regarding bicycle access to bridges

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_12.pdf

March 2000

Fact sheet

From: Metropolitan Transportation Commission / Bay Area Toll Authority / Caltrans
Subject: Carquinez Bridge West Span Replacement Project

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_02.pdf

April 17, 2000

Letter

To: G. J. Buchanan, Department of the Navy
From: James Kellogg, CTC
Subject: Navy's Concerns with the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_04.pdf

April 17, 2000

Letter

To: G. J. Buchanan, Department of the Navy
From: James Kellogg, CTC
Subject: Navy's Concerns with the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_08.pdf

April 26, 2000

Memorandum

To: Bay Bridge Design Task Force
From: Steve Heminger, MTC
Subject: East span update

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_08.pdf

April ?, 2000

News article

From: Contra Costa Times
Title: Span plan to get 4th once-over: Furious state officials see Willie Brown's fingerprints all over a federal order to reexamine Caltrans' call for a new eastern Bay Bridge
Author: Lisa Vorderbrueggen

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_08.pdf

May 1, 2000

Agenda Item 4.11d

For: California Transportation Commission Meeting May 10-11, 2000
State of California, Department of Transportation
Prepared by: Kim Nystrom
Subject: Review of Antioch Bridge Toll Revenue Generation, Collection
Costs and Status of Bond Retirements

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_01.pdf

May 2, 2000

Letter

To: James Kellogg, CTC
From: G. J. Buchanan, Department of the Navy
Subject: East Span Seismic Safety Project

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_04.pdf

September 22, 2000

Memorandum

To: Bay Bridge Design Task Force
From: Steve Heminger, MTC
Subject: Army Corps of Engineers report

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_09.pdf

October 10, 2000

Press release

From: Jim Pinkelman, U.S. Department of Transportation
Subject: USDOT Announces Land Transfer Agreement For San Francisco-Oakland Bay Bridge in California

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_09.pdf

October 11, 2000

Memorandum

To: Bay Bridge Design Task Force
From: Steve Heminger, MTC
Subject: U.S. DOT Land Transfer

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_09.pdf

2001

June 16, 2001

Letter

To: Leslie T. Rogers, Federal Transit Administration and Michael G. Ritchie, Federal Highway Administration
From: Robert R. Piper, Sierra Club
Subject: Final Planning Certification Report, Metropolitan Transportation Commission

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_10.pdf

June 19, 2001

Letter

To: Randy Rentschler, MTC
From: Thomas Peele, Contra Costa Times
Subject: Request for public records

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_11.pdf

July 5, 2001

Letter

To: Leslie T. Rogers, Federal Transit Administration
From: Therese W. McMillan, MTC
Subject: Public involvement process

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_10.pdf

July 5, 2001

Letter

To: Michael G. Ritchie, Federal Highway Administration
From: Therese W. McMillan, MTC
Subject: Public involvement process

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_10.pdf

July 6, 2001

Letter

To: Thomas Peele, Contra Costa Times
From: Randy Rentschler, MTC
Subject: Records request for information on the Bay Bridge

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_11.pdf

October 16, 2001

Letter

To: Barbara Kaufman, BCDC
From: Tom Torlakson, California State Senate
Subject: Expediting the remaining permits and approvals for replacement of the eastern span

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_03.pdf

October 16, 2001

Letter

To: Chair Kaufman, BCDC
From: Janet McBride, ABAG
Subject: Support for the Bay Bridge East Span Replacement Project

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_03.pdf

October 17, 2001

Letter

To: David Woodbury, et al.
From: Jennifer J. Wilson, Peratrovich, Nottingham, & Drage, Inc.
Subject: Noise attenuation project for the Bay Bridge

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_03.pdf

October 18, 2001

Letter

To: Chairperson Kaufman, BCDC
From: Aliza Gallo, Oakland Base Reuse Authority
Subject: Statement of Oakland Base Reuse Authority Executive Director Aliza Gallo to the San Francisco Bay Conservation and Development Commission on BCDC Permit Application No. 8-01 October 18, 2001

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_03.pdf

October 30, 2001

Agenda Item

San Francisco Bay Conservation and Development Commission
Agenda Item #8
To: Commissioners and Alternates
From: Will Travis and Nathan L. Newell
Subject: Staff Recommendations on Permit Application No. 8-01; California
Department of Transportation (Caltrans), East Span Replacement
for the San Francisco-Oakland Bay Bridge (For Commission
consideration on November 1, 2001)

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_03.pdf

1997-2000

Listing of correspondence to Bay Bridge Design Task Force

Further BB Correspondence

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_correspondence_06.pdf

IV. Members of the Bay Bridge Design Task Force

Mary King, Chairperson

Sharon Brown

Mark DeSaulnier

Elihu Harris

Tom Hsieh

Jon Rubin

Angelo Siracusa

MTC Staff Liaison: Steve Heminger

V. Members of the Engineering and Design Advisory Panel

Karen Alschuler
Christopher Arnold
Bruce A. Bolt
Roger D. Borchardt
Robert Brown
Nicholas Forell
Jerry Fox
James H. Gates
Ben Gerwick, Jr.
John F. Hall
Jeffrey Heller
Ephraim Gordon Hirsch
I. M. Idriss
Manabu Ito
Mary Margaret Jones
Jacque Keller
John Kriken, Vice Chair
Roger Leventhal
T. Y. Lin
Patrick Lucia
Jim McCarty
Christian Menn
Roumen Mladjov
Joseph Nicoletti, Chairman
Klaus Ostefeld
Frank Rollo
Alexander C. Scordelis
Frieder Seible
Michael Smiley
Peter Taylor
Steve C. Thompson
Kuei-Wu Tsai
Peter Walker
Edward L. Wilson
Thomas Wosser
Y. C. Yang

VI. Dates of Meetings

Metropolitan Transportation Commission Meetings

July 30, 1997

Bay Area Toll Authority Meetings

June 24, 1998

Bay Bridge Design Task Force Meetings

March 18, 1997

March 27, 1997

April 16, 1997

April 23, 1997

May 8, 1997

June 24, 1997

July 23, 1997

October 8, 1997

November 12, 1997

January 13, 1998

February 11, 1998

April 8, 1998

May 13, 1998

June 10, 1998

June 22, 1998

October 14, 1998

July 14, 1999

September 8, 1999

Engineering and Design Advisory Panel Meetings

April 9, 1997

April 22, 1997

May 12-May 14, 1997 (3-Day Workshop)

June 2, 1997

June 16, 1997

March 2, 1998

April 15, 1998

May 18, 1998

May 29, 1998

October 9, 1998

January 4, 1999

February 24, 1999

July 6, 1999

December 7, 2000

Schedule of meetings documents.

http://files.mtc.ca.gov/library/BBC/pdf/bbdtf_edap_sched.pdf