









Toll Bridge Program Oversight Committee
Department of Transportation
Office of the Director
1120 N Street
P.O. Box 942873
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November 7, 2012

Mr. Gregory Schmidt Secretary of the Senate State Capitol, Room 3044 Sacramento, CA 95814

Mr. E. Dotson Wilson Chief Clerk of the Assembly State Capitol, Room 3196 Sacramento, CA 95814

Dear Messrs. Schmidt and Wilson:

The Toll Bridge Program Oversight Committee (TBPOC) is pleased to submit the 2012 Third Quarter Project Progress and Financial Update for the San Francisco Bay Area Toll Bridge Seismic Retrofit and Regional Measure 1 Programs, prepared pursuant to California Streets and Highways Code Section 30952.

The TBPOC is tasked to perform project oversight and control over the Toll Bridge Seismic Retrofit Program (TBSRP) and comprises the Director of the California Department of Transportation (Caltrans), the Executive Director of the Bay Area Toll Authority (BATA), and the Executive Director of the California Transportation Commission (CTC). This third quarter report includes project progress and activities for the Toll Bridge Seismic Retrofit Program through September 30, 2012, with more recent accomplishments and actions addressed in this letter.

On the new eastern span of the San Francisco-Oakland Bay Bridge, the contractor has completed the load transfer process of lifting the load of the roadway deck off its temporary supports and onto the main cable. This phase of work was one of the last remaining structural challenges before opening the bridge to traffic. Critical path activities remaining prior to opening the new bridge to traffic include wrapping of the main cable, painting, paving, striping, and installing and testing of mechanical, electrical, and plumbing systems. Work is also proceeding on schedule on the Yerba Buena Island and Oakland connections to the new bridge. The project remains on schedule for a Labor Day 2013 Seismic Safety Opening.

With regard to other seismic retrofit projects, the TBPOC is pleased to report that a new seismic expansion joint on the east side of the Dumbarton Bridge was successfully installed over the Labor Day 2012 weekend with minimal traffic impacts. We now forecast achieving seismic safety on the bridge in March 2013. In addition to the new bridge joints, additional structural steel and new seismic isolation bearings are all being installed to help the bridge withstand large earthquakes.

Finally, while not part of the Toll Bridge Seismic Retrofit Project, Caltrans and BATA successfully replaced 60 feet of bridge deck on the San Mateo-Hayward Bridge during a full bridge closure from the night of October 19 to the morning of October 22, 2012, with minimal traffic impacts. The work was accelerated to avoid an additional full bridge closure. This \$3 million project was funded by the BATA Toll Bridge Rehabilitation Program to repair a damaged seismic bridge joint.

As of the end of the third quarter of 2012, the 50 percent probable draw on program contingency is \$144 million. The potential draw ranges from about \$60 million to \$200 million. The current \$329 million program contingency balance is more than adequate to cover the costs of these identified risks. In accordance with the approved TBSRP Risk Management Plan, risk mitigation actions are continuously developed and implemented to reduce the potential draw on the program contingency.

The TBPOC is committed to providing the Legislature with comprehensive and timely reporting on the TBSRP. If there are any questions, or if any additional information is required, please do not hesitate to contact the members of the TBPOC.

Sincerely,

STEVE HEMINGER

TBPOC Chair

Executive Director

Bay Area Toll Authority

BIMLA G. RHINEHART

TBPOC Vice-Chair

Executive Director

California Transportation Commission

MALCOLM DOUGHERTY

Director

California Department of Transportation



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Mr. Joseph Tavaglione, Chair California Transportation Commission 1120 N Street, Room 2221 Sacramento, CA 95814

Mr. James C. Ghielmetti, Vice-Chair California Transportation Commission 1120 N Street, Room 2221 Sacramento, CA 95814

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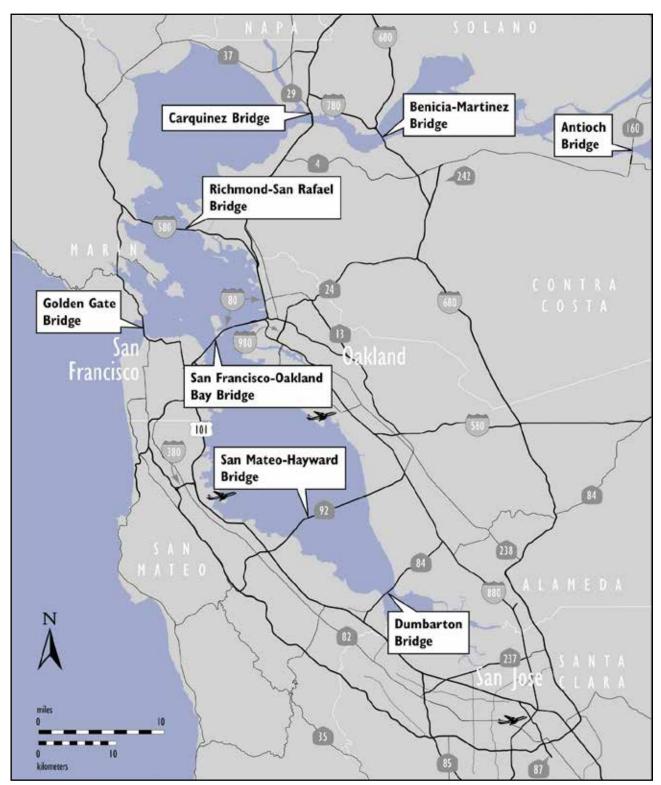
California Department of Transportation



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Map of Bay Area Toll Bridges



^{*} The Golden Gate Bridge is owned and operated by the Golden Gate Bridge, Highway and Transportation District.

Introduction

In July 2005, Assembly Bill (AB) 144 (Hancock) created the Toll Bridge Program Oversight Committee (TBPOC) to implement a project oversight and project control process for the new Benicia-Martinez Bridge and State Toll Bridge Seismic Retrofit Program projects. The TBPOC consists of the Director of the California Department of Transportation (Caltrans), the Executive Director of the Bay Area Toll Authority (BATA) and the Executive Director of the California Transportation Commission (CTC). The TBPOC's project oversight and control processes include, but are not limited to, reviewing bid specifications and documents, reviewing and approving significant change orders and claims in excess of \$1 million (as defined by the Committee), and keeping the Legislature and others apprised of current project progress and status. In January 2010, Assembly Bill (AB) 1175 (Torlakson) amended the TBSRP to include the Antioch and Dumbarton Bridges seismic retrofit projects. The current Toll Bridge Seismic Retrofit Program is as follows:

Toll Bridge Seismic Retrofit Projects	Seismic Safety Status		
Dumbarton Bridge Seismic Retrofit	Construction		
Antioch Bridge Seismic Retrofit	Complete		
San Francisco-Oakland Bay Bridge East Span Replacement	Construction		
San Francisco-Oakland Bay Bridge West Approach Replacement	Complete		
San Francisco-Oakland Bay Bridge West Span Seismic Retrofit	Complete		
San Mateo-Hayward Bridge Seismic Retrofit	Complete		
Richmond-San Rafael Bridge Seismic Retrofit	Complete		
1958 Carquinez Bridge Seismic Retrofit	Complete		
1962 Benicia-Martinez Bridge Seismic Retrofit	Complete		
San Diego-Coronado Bridge Seismic Retrofit	Complete		
Vincent Thomas Bridge Seismic Retrofit	Complete		

The New Benicia-Martinez Bridge is part of a larger program of toll-funded projects called the Regional Measure 1 (RM1) Toll Bridge Program under the responsibility of BATA and Caltrans. While the rest of the projects in the RM1 program are not directly under the responsibility of the TBPOC, BATA and Caltrans will continue to report on their progress as an informational item. The RM1 program includes:

Regional Measure 1 Projects	Open to Traffic Status
Interstate 880/State Route 92 Interchange Reconstruction	Open
1962 Benicia-Martinez Bridge Reconstruction	Open
New Benicia-Martinez Bridge	Open
Richmond-San Rafael Bridge Deck Overlay Rehabilitation	Open
Richmond-San Rafael Bridge Trestle, Fender & Deck Joint Rehabilitation	Open
Westbound Carquinez Bridge Replacement	Open
San Mateo-Hayward Bridge Widening	Open
State Route 84 Bayfront Expressway Widening	Open
Richmond Parkway	Open

SUMMARY OF MAJOR PROJECT HIGHLIGHTS, ISSUES, AND ACTIONS

Self-Anchored Suspension Bridge South Back Span Zinc Paste Being Applied Prior to Cable Wrapping



Self-Anchored Suspension Bridge Installing Cable Wrapping Skid Machine on South Back Span Cable



Self-Anchored Suspension Bridge Removing Eastbound Bailey Bridge

Toll Bridge Seismic Retrofit Program Risk Management

A major element of the 2005 AB 144, the law creating the TBPOC, was legislative direction to implement a more aggressive risk management program. Such a program has been implemented in stages over time to ensure development of a robust and comprehensive approach to risk management.

A comprehensive risk assessment is performed for each project in the program on a quarterly basis. Based upon those assessments, a forecast is developed using the average cost of risk. These forecasts can both increase and decrease as risks are identified, resolved or retired. Nonetheless, assurances have been made that the public is informed of the risks that have been identified and the possible expense they could necessitate.

The program contingency is currently \$329 million in accordance with the TBPOC Approved Budget. As of the end of the third quarter of 2012, the 50 percent probable draw on program contingency is \$144 million. The potential draw ranges from about \$60 million to \$200 million.

The current program contingency balance is sufficient to cover the cost of currently identified risks. In accordance with the approved TBSRP Risk Management Plan, risk mitigation actions are continuously developed and implemented to reduce the potential draw on the program contingency.

San Francisco-Oakland Bay Bridge (SFOBB) East Span Seismic Replacement Project SAS Superstructures Contract

A joint venture of American Bridge/Fluor (ABF) is constructing the signature Self-Anchored Suspension (SAS) section of the new east span of the San Francisco-Oakland Bay Bridge. The SAS is a self-anchoring suspension span with one main cable that anchors to the eastern end of the roadway deck, rather than to the ground anchorages. Now with all major bridge components in place, i.e. the tower, roadway deck, and main cable and suspenders, work is now on-going to transfer the weight of the span from the temporary supports to the main cable, a complex time- and labor-intensive process known as load transfer.

Load transfer began on September 4, 2012 and is expected to be complete by October 8, 2012. Two hundred steel wire suspender ropes, attached to 100 cable bands along the single main cable, do the heavy lifting during load transfer. Sets of suspender ropes are gradually tensioned using hydraulic jacks; as each cable band carries two ropes, there are four hydraulic jacks (each exerting as much as 400-tons of force) at each corresponding location along the outside of the road-decks tensioning and pulling the ropes into position. Following load transfer, remaining critical activities include wrapping of the main cable, painting, paving, striping, and installing and testing of the bridge's mechanical, electrical, and plumbing systems. The TBPOC's goal is to open the bridge to traffic in both directions by September 2013.

YBITS #1 Eastbound Concrete Deck Post Tensioning Complete

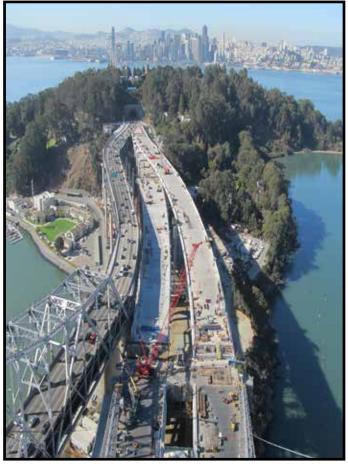
Yerba Buena Island Transition Structure #1 Contract

MCM Construction, Inc. is the prime contractor constructing the Yerba Buena Island Transition Structure #1 (YBITS #1) contract. Their work includes completing the remaining foundations and the bridge deck structure from the existing double deck Yerba Buena Island Tunnel to the SAS bridge.

MCM has substantially completed both the eastbound and westbound transition structures from the tunnel to the Hinge "K" area and transferred the remaining hinge area over to the SAS contractor on September 2, 2012.

Yerba Buena Island Transition Structure #2 and Cantilever Demolition Contract

The YBITS #2 contract will demolish the detour viaduct after all traffic is shifted to the new bridge and will construct a new eastbound on-ramp to the bridge in its place. The contract also includes the cantilever truss demolition, which was advertised on April 9, 2012. The bid opening is forecast for October 23, 2012, with award of the contract scheduled for December 22, 2012. Initial startup activities are planned to begin in March 2013 with actual dismantling to begin in September 2013.



San Francisco-Oakland Bay Bridge SAS and YBITS Eastbound and Westbound Construction Overview

SUMMARY OF MAJOR PROJECT HIGHLIGHTS, ISSUES, AND ACTIONS



Oakland Detour - Westbound Opened to Traffic



Existing San Francisco-Oakland Bay Bridge Cantilever Section to be Dismantled as Part of the YBITS #2 Contract



Existing San Francisco-Oakland Bay Bridge on right and new Skyway on left

Oakland Touchdown #2 Contract

Flatiron West, Inc. is the prime contractor constructing the Oakland Touchdown #2 contract that will complete the remaining portions of the Oakland Touchdown approach structures from the existing toll plaza to the new span. The westbound structure and portions of the eastbound structure (not in conflict with the existing span) were constructed under the Oakland Touchdown #1 contract. The OTD #2 construction contract started on June 25, 2012. The contractor is working on the eastbound approach structure completing the abutment wall in August and is now the process of installing falsework and the soffit. The contractor had to construct a temporary access trestle to maintain construction access for the SAS contract from the Oakland side of the bridge. The mainline structure work is scheduled to be completed in early 2013 for bridge opening. After bridge opening, the contractor will complete landscaping of the area and constructing the remaining portion of the permanent bicycle/pedestrian pathway by 2014 that is in conflict with the existing bridge.

Existing SFOBB Dismantling Contracts

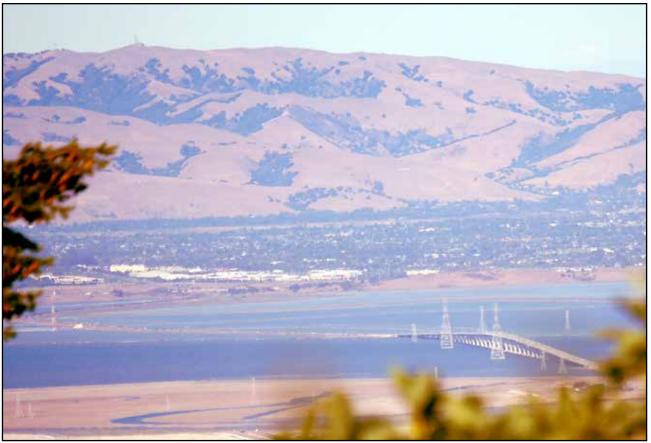
To expedite the opening of a new eastbound onramp and the pedestrian/bicycle pathway from Yerba Buena Island, the TBPOC has decided to split the bridge dismantling project into at least two contracts. The dismantling of the superstructure of the main cantilever section of the existing bridge will be incorporated into the YBITS #2 contract, while the remaining portions of the existing bridge will be removed by separate contract(s) still in design.

Antioch Bridge Seismic Retrofit

The major retrofit strategy for the bridge includes installing seismic isolation bearings at each of the 41 piers, strengthening piers 12 through 31 with steel cross-bracing between column bents, and installing steel casings at all columns located at the Sherman Island approach slab bridge. Seismic safety opening was achieved on April 12, 2012 and contract was completed on July 13, 2012.

Dumbarton Bridge Seismic Retrofit

The Dumbarton bridge Bridge is a combination of three bridge types; reinforced concrete slab approaches supported on multiple pile extension columns, precast pre-stressed concrete girders and steel box girders supported on reinforced concrete piers. The retrofit strategy for the bridge includes superstructure and deck modifications and installation of isolation bearings. The Dumbarton Bridge was closed to traffic for the second time this year during Labor Day Weekend. A full bridge closure was necessary in order for crews to replace the existing expansion joint on the eastern side of the bridge at Pier 31 with a state-of-the-art seismic joint.



The Dumbarton Bridge

Toll Bridge Seismic Retrofit Program Cost Summary (Millions)

Contract AB 144/SB 66 TBPOC Current Cost to Date Status Budget Approved TBPOC (September

(September 2005)

Changes

(September 2012) Approved Budget (September

Current Cost Forecast (September 2012)

Cost Variance Cost Status

	2012)									
		а	b	c = a + b	d	е	f = e - c			
SFOBB East Span Seismic Replace	ment									
Capital Outlay Construction										
Skyway	Completed	1,293.0	(55.8)	1,237.2	1,237.2	1,237.2	-	•		
SAS Marine Foundations	Completed	313.5	(38.7)	274.8	274.8	278.6	3.8	•		
SAS Superstructure	Construction	1,753.7	293.1	2,046.8	1,714.0	2,047.2	0.4	•		
YBI Detour	Completed	131.9	334.2	466.1	466.1	473.3	7.2	•		
YBI Transition Structures (YBITS)		299.3	(37.3)	262.0	168.2	309.6	47.6	•		
YBITS 1	Construction			199.7	168.2	225.8	26.1	•		
YBITS 2 Cantilever and Demo	Advertised			59.0	-	80.5	21.5	•		
YBITS Landscaping	Design			3.3	-	3.3	-	•		
Oakland Touchdown (OTD)		283.8	43.8	327.6	215.4	326.6	(1.0)	•		
OTD 1	Completed			205.0	203.0	203.3	(1.7)	•		
OTD 2	Construction			62.0	6.7	60.5	(1.5)	•		
Detour	Completed			51.0	-	48.8	(2.2)	•		
OTD Electrical Systems	Design			-	-	4.4	4.4	•		
Submerged Electric Cable	Completed			9.6	5.7	9.6	-	•		
Existing Bridge Demolition	Design	239.2	(0.1)	239.1	_	231.4	(7.7)			
*Cantilever Section	Advertised		,		_	60.5	,			
*504/288 Sections	Design				_	64.3				
*Marine Foundations	Design				_	106.6		•		
Stormwater Treatment Measures	Completed	15.0	3.3	18.3	16.8	18.3	_			
Other Completed Contracts	Completed	90.4	(0.4)	90.0	90.0	90.5	0.5			
Capital Outlay Support	5 - 11 p 1 - 12 p 1	959.3	262.2	1,221.5	1,085.9	1,284.3	62.8			
Right-of-Way and Environmental Mitigation		72.4	202.2	72.4	51.7	80.4	8.0			
Other Budgeted Capital		35.1	(3.3)	31.8	0.7	7.7	(24.1)	_		
Total SFOBB East Span Replacement		5,486.6	801.0	6,287.6	5,320.8	6,385.1	97.5			
Antioch Bridge Seismic Retrofit		5,400.0	001.0	0,201.0	0,020.0	0,000.1	31.3			
Capital Outlay Construction and Mitigation	Completed		51.0	51.0	46.8	50.3	(0.7)			
Capital Outlay Support	Completed		31.0	31.0	23.3	24.5	(6.5)			
Total Antioch Bridge Seismic Retrofit			82.0	82.0	70.1	74.8	(7.2)			
Dumbarton Bridge Seismic Retrofit			02.0	02.0	70.1	14.0	(1.2)			
Capital Outlay Construction and Mitigation	Construction		92.7	92.7	53.3	71.9	(20.8)			
Capital Outlay Support	,		56.0	56.0	38.7	56.0	-			
Total Dumbarton Bridge Seismic Retrofit		_	148.7	148.7	92.0	127.9	(20.8)			
Other Program Projects		2,268.4	(63.6)	2,204.8	2,163.7	2,192.2	(12.6)			
Miscellaneous Program Costs		30.0	(00.0)	30.0	25.5	30.0	(12.0)			
Net Programmatic Risks		-	_	-		87.1	87.1			
Program Contingency		900.0	(571.1)	328.9		184.9	(144.0)			
Total Toll Bridge Seismic Retrofit					7.070.4		(1-7-10)			
Program ²		8,685.0	397.0	9,082.0	7,672.1	9,082.0	-			

Toll Bridge Seismic Retrofit Program Schedule Summary

	AB 144/SB 66 Project Completion Schedule Baseline (July 2005)	TBPOC Approved Changes (Months)	Current TBPOC Approved Completion Schedule (September 2012)	Current Completion Forecast (September 2012)	Schedule Variance (Months)	Schedule Status	Remarks/ Notes
	g	h	i=g+h	j	k=j-i	I	
SFOBB East Span Seismic Replacement							
Contract Completion							
Skyway	Apr 2007	8	Dec 2007	Dec 2007	-	•	See Page 24
SAS Marine Foundations	Jun 2008	(5)	Jan 2008	Jan 2008	-	•	See Page 18
SAS Superstructure	Mar 2012	29	Aug 2014	Aug 2014	-	•	See Page 19
YBI Detour	Jul 2007	39	Oct 2010	Oct 2010	-	•	See Page 15
YBI Transition Structures (YBITS)	Nov 2013	27	Feb 2016	Feb 2016	-		See Page 16
YBITS 1			Dec 2013	Dec 2013	-		
YBITS 2			Feb 2016	Feb 2016	-	•	
Oakland Touchdown	Nov 2013	10	Sep 2014	Sep 2014	-	•	See Page 25
OTD 1			Jun 2010	Jun 2010	-	•	
OTD 2			Sep 2014	Sep 2014	-	•	
Submerged Electric Cable			Jan 2008	Jan 2008	-	•	
Existing Bridge Demolition	Sep 2014	18	Dec 2015	March 2017	15	•	
Stormwater Treatment Measures	Mar 2008		Mar 2008	Mar 2008	-	•	
SFOBB East Span Bridge Opening and Ot	her Milestones						
Westbound Seismic Safety Open	Sep 2011	27	Dec 2013	Sep 2013	(3)	•	
Eastbound Seismic Safety Open	Sep 2012	15	Dec 2013	Sep 2013	(3)	•	
Bike/Ped Pathway Open to YBI			Sep 2015	Sep 2015	-	•	
Permanent Eastbound On Ramp Open			Sep 2015	Sep 2015	-	•	
Oakland Detour Eastbound Open			May 2011	May 2011	-	•	
Oakland Detour Westbound Open			Feb 2012	Feb 2012	-	•	
OTD Westbound Access			Aug 2009	Aug 2009	-	•	
YBI Detour Open			Sep 2009	Sep 2009	-	•	See Page 15
Antioch Bridge Seismic Retrofit							
Contract Completion			Jul 2012	Jul 2012	-	•	See Page 34
Seismic Safety Completion			Apr 2012	Apr 2012	-	•	
Dumbarton Bridge Seismic Retrofit							
Contract Completion			Sep 2013	Mar 2013	(6)	•	See Page 30
Seismic Safety Completion			Sep 2013	Mar 2013	(6)	•	

Within approved schedule and budget

Identified potential project risks that could significantly impact approved schedules and budgets if not mitigated

Known project impacts with forthcoming changes to approved schedules and budgets

Figures may not sum up to totals due to rounding effects.
 Construction administration of the OTD Detour is under the YBITS#1 contract.
 Construction administration of the Cantilever segment will be under the YBITS#2 contract.

Regional Measure 1 Program Cost Summary (Millions)

Contract Status

BATA Baseline Budget (July 2005) BATA Approved Changes Current BATA Approved Budget (September 2012)

Cost to Date (September 2012) Current Cost Forecast (September 2012) Cost Variance

Cost Status

		а	b	c = a + b	d	е	f = e - c	
Interstate 880/Route 92 Interchange Re	construction	,						
Capital Outlay Construction	Complete	94.8	68.4	163.2	150.2	163.2	-	•
Capital Outlay Support		28.8	35.8	64.6	62.2	64.6	-	•
Capital Outlay Right-of-Way		9.9	7.3	17.2	14.7	17.2	-	•
Project Reserve		0.3	(0.3)	-	-	-	-	
Total I-880/SR-92 Interchange Reconstruction		133.8	111.2	245.0	227.1	245.0	-	
Other Completed Program Projects		1,978.8	182.6	2,161.4	2,089.2	2,161.4	-	
Total Regional Measure 1 Toll Bridge Program ¹		2,112.6	293.8	2,406.4	2,316.3	2,406.4	-	

Within approved schedule and budget

ldentified potential project risks that could significantly impact approved schedules and budgets if not mitigated

Known project impacts with forthcoming changes to approved schedules and budgets
 Figures may not sum up to totals due to rounding effects.

Regional Measure 1 Program Schedule Summary

	BATA Baseline Completion Schedule (September 2005)	BATA Approved Changes (Months)	Current BATA Approved Completion Schedule (September 2012)	Current Completion Forecast (September 2012)	Schedule Variance (Months)	Schedule Status	Remarks/Notes
	g	h	i=g+h	j	k=j-i	I	
Interstate 880/Route 92 Interchange Reco	onstruction						
Contract Completion							
Interchange Reconstruction	Dec 2010	9	Sep 2011	Sep 2011	-	•	See Page 45





San Francisco-Oakland Bay Bridge Seismic Retrofit Strategy

When a 250-ton section of the upper deck of the East Span collapsed during the 7.1-magnitude Loma Prieta Earthquake in 1989, it was a wake-up call for the entire Bay Area. While the East Span quickly reopened within a month, a critical question lingered: How could the Bay Bridge - a vital regional lifeline structure - be strengthened to withstand the next major earthquake? Seismic experts from around the world determined that to make each separate element seismically safe on a bridge of this size, the work must be divided into numerous projects. Each project presents unique challenges. Yet there is one common challenge - the need to accommodate the more than 280,000 vehicles that cross the bridge each day.

West Approach Seismic Replacement Project Project Status: Completed 2009

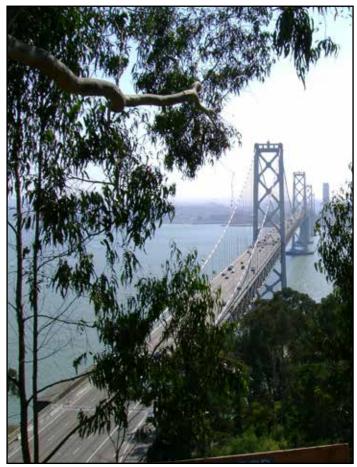
Seismic safety retrofit work on the West Approach in San Francisco, bounded on the west by 5th Street and on the east by the anchorage of the west span at Beale Street, involved completely removing and replacing this one-mile stretch of Interstate 80, as well as six on and off-ramps within the confines of the West Approach's original footprint. This project was completed on April 8, 2009.

West Span Seismic Retrofit Project Project Status: Completed 2004

The West Span lies between Yerba Buena Island and San Francisco and is made up of two complete suspension spans connected at a center anchorage. Retrofit work included adding massive amounts of steel and concrete to strengthen the entire West Span, along with new seismic shock absorbers and bracing.



West Approach Overview



San Francisco-Oakland Bay Bridge West Span

East Span Seismic Replacement Project Project Status: In Construction

Rather than a seismic retrofit, the two-mile long East Span is being completely rebuilt. When completed, the new East Span will consist of several different sections, but will appear as a single streamlined span. The eastbound and westbound lanes of the East Span will no longer include upper and lower decks. The lanes will instead be side-by-side, providing motorists with expansive views of the bay. These views will also be enjoyed by bicyclists and pedestrians, thanks to a new bike/pedestrian path on the south side of the bridge that will extend all the way to Yerba Buena Island. The new span is aligned north of the existing bridge to allow traffic to continue to flow on the existing bridge as crews build the new span.

The new span will feature the world's longest Self-Anchored Suspension (SAS) bridge that will be connected to an elegant roadway supported by piers (Skyway), which will gradually slope down toward the Oakland shoreline (Oakland Touchdown). A new transition structure on Yerba Buena Island (YBI) will connect the SAS to the YBI Tunnel and will transition the East Span's sideby-side traffic to the upper and lower decks of the tunnel and West Span.

When construction of the new East Span has been completed and vehicles have been safely rerouted to it, the original East Span will be demolished.

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The Self-Anchored Suspension Bridge Tower and Roadway Deck Showing Suspender Cable Installation in Progress

Yerba Buena Island Transition SAS Skyway Oakland Touchdown

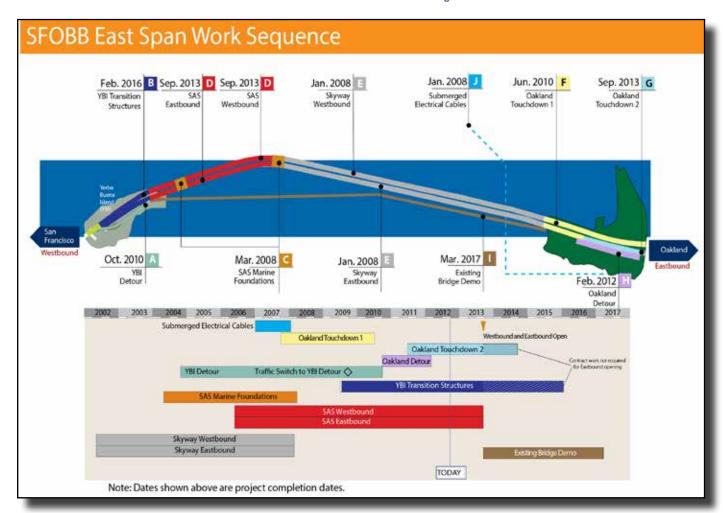
San Francisco-Oakland Bay Bridge East Span Replacement Project Summary

The new East Span bridge can be split into four major components - the Skyway, the Self-Anchored Suspension bridge in the middle, the Yerba Buena Island Transition Structures and Oakland Touchdown approaches. Each component is being constructed by one to three separate contracts that have been sequenced together to reduce schedule risk.

Highlighted below are the major East Span contracts and their schedules. The letter designation before each contract corresponds to contract descriptions in the report.



Overview of the San Francisco-Oakland Bay Bridge East Span Construction Progress





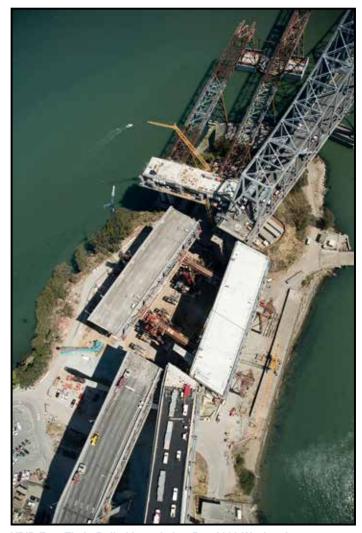
San Francisco-Oakland Bay Bridge East Span Replacement Project Yerba Buena Island Detour (YBID)

As with all of the Toll Bridge Seismic Retrofit Program's projects, crews built the Yerba Buena Island Detour structure (YBID) without disrupting traffic. To accomplish this task, YBID eastbound and westbound traffic was shifted off the existing roadway and onto a temporary detour over Labor Day weekend 2009. Drivers will use this detour, just south of the original roadway, until traffic is moved onto the new East Span.

A YBID Contract

Contractor: C.C. Myers, Inc.
Approved Capital Outlay Budget: \$466.1 M
Status: Completed October 2010

This contract was originally awarded in early 2004 to construct the detour structure for the planned 2006 opening of the new East Span. Because of a lack of funding, the SAS Superstructure contract was re-advertised in 2005 and the opening was rescheduled to 2013. To better integrate the contract into the current East Span schedule and to improve seismic safety and mitigate future construction risks. the TBPOC approved a number of changes to the contract, including adding the deck replacement work near the tunnel that was rolled into place over the Labor Day 2007 weekend advancing future transition structure foundation work and making design enhancements to the temporary detour structure. These changes increased the budget and forecast for the contract to cover the revised project scope and reduce project risks.



YBID East Tie-In Rolled in on Labor Day 2009 Weekend



West Tie-In Phase # 1 Rolled in on Labor Day Weekend 2007

San Francisco-Oakland Bay Bridge East Span Replacement Project Yerba Buena Island Transition Structures (YBITS)

The new Yerba Buena Island Transition Structures contract (YBITS) will connect the new SAS bridge span to the existing Yerba Buena Island Tunnel, transitioning the new side-by-side roadway decks to the upper and lower decks of the tunnel. The new structures will be cast-in-place reinforced concrete structures that will look very similar to the already constructed Skyway structures. While some YBITS foundations and columns were advanced by the YBID contract, the remaining work is being completed under three separate YBITS contracts.

B YBITS #1 Contract

Contractor: MCM Construction, Inc.
Approved Capital Outlay Budget: \$199.7 M
Status: 65% Complete as of September 2012

MCM Construction, Inc. is the prime contractor constructing the Yerba Buena Island Transition Structure #1 (YBITS #1) contract. Their work includes completing the remaining foundations and the bridge deck structure from the existing double deck Yerba Buena Island Tunnel to the SAS bridge.

Status: MCM has substantially completed both the eastbound and westbound transition structures from the tunnel to the Hinge "K" area and transferred the remaining hinge area over to the SAS contractor on September 2, 2012.

YBITS #2 and Cantilever Demolition Contract

Approved Capital Outlay Budget: \$59.0 M

Contractor: TBD Status: Advertised

The YBITS #2 contract will demolish the detour viaduct after all traffic is shifted to the new bridge and will construct a new eastbound on-ramp to the bridge in its place. The new ramp will also provide the final link for bicycle/pedestrian access off the SAS bridge onto Yerba Buena Island. To expedite opening of a new eastbound on-ramp and the pedestrian/bicycle pathway from Yerba Buena Island, the TBPOC has decided to split the bridge dismantling project into at least two contracts. The dismantling of the superstructure of the main cantilever section of the existing bridge will be incorporated into the YBITS #2 contract, while the remaining portions of the existing bridge will be removed by separate contract or contracts yet to be determined.

Status: The YBITS #2 contract, which includes the cantilever truss demolition, was advertised on April 9, 2012. The bid opening is forecast for October 23, 2012, with award of the contract scheduled for December 22, 2012. Initial startup activities are planned to begin in March 2013 with actual dismantling to begin in September 2013.

YBITS Landscaping Contract

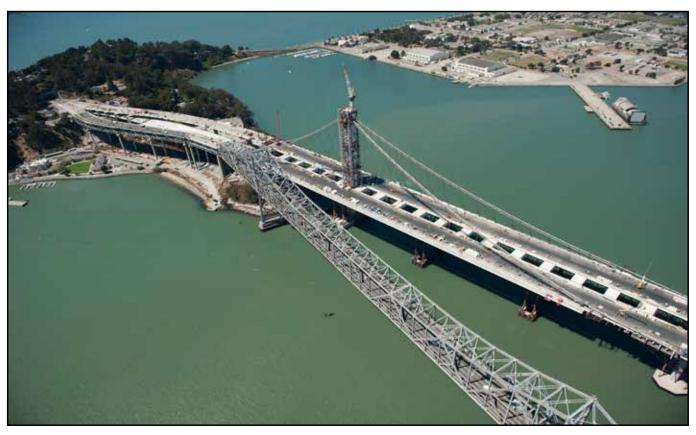
Contractor: TBD

Approved Capital Outlay Budget \$3.3 M

Status: In Design

Upon completion of the YBITS #2 work, a follow-on landscaping contract will be executed to replant and landscape the area.

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YBITS #1 Roadway Deck and SAS Construction in Progress next to Existing Cantilever Bridge



San Francisco-Oakland Bay Bridge East Span Replacement Project Self-Anchored Suspension (SAS) Bridge

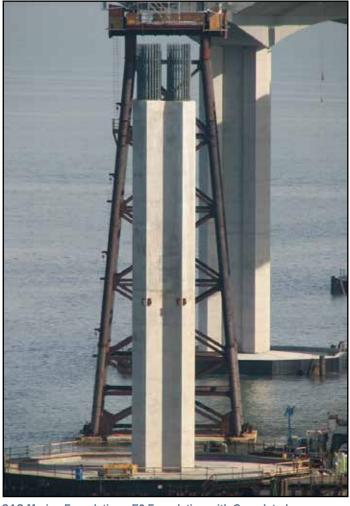
If one single element bestows world class status on the new Bay Bridge East Span, it is the Self-Anchored Suspension (SAS) bridge. This engineering marvel will be the world's largest SAS span at 2,047 feet in length, as well as the first bridge of its kind built with a single tower.

The SAS was separated into three separate contracts - construction of the land-based foundations and columns at pier W2; construction of the marine-based foundations and columns at piers T1 and E2; and construction of the SAS steel superstructure, including the tower, roadway and cabling. Construction of the foundations at pier W2 and at piers T1 and E2 was completed in 2004 and 2007, respectively.

SAS Land Foundation Contract

Contractor: West Bay Builders, Inc. Approved Capital Outlay Budget: \$26.5 M Status: Completed October 2004

The twin W2 columns on Yerba Buena Island provide essential support for the western end of the SAS bridge, where the single main cable for the suspension span will extend down from the tower and wrap around and under the western end of the roadway deck. Each of these huge columns required massive amounts of concrete and steel and are anchored 80 feet into the island's solid bedrock.



SAS Marine Foundation - E2 Foundation with Completed Westbound Column

C

SAS Marine Foundations Contract

Contractor: Kiewit/FCI/Manson, Joint Venture Approved Capital Outlay Budget: \$274.8 M Status: Completed January 2008

Construction of the piers at E2 and T1 (see rendering on facing page) required significant on-water resources to drive the foundation support piles down, not only to bedrock, but also through the bay water and mud.

The T1 foundation piles extend 196 feet below the waterline and are anchored into bedrock with heavily reinforced concrete rock sockets that are drilled into the rock. Driven nearly 340 feet deep, the steel and concrete E2 foundation piles were driven 100 feet deeper than the deepest timber piles of the existing east span in order to get through the bay mud and reach solid bedrock.

D SAS Superstructure Contract

Contractor: American Bridge/Fluor Enterprises, Joint Venture Approved Capital Outlay Budget: \$2.05 B Status: 88% Complete as of September 2012

The SAS bridge is not just another suspension bridge. Rising 525 feet above mean sea level and embedded in bedrock, the single-tower SAS span is designed to withstand a massive earthquake. Traditional main cable suspension bridges have twin cables with smaller suspender cables connected to them. While there will appear to be two main cables on the SAS, it is actually a single continuous cable. This single cable will be anchored within the eastern end of the roadway, carried over the tower and then wrapped around the two side-by-side decks at the western end.

The single-steel tower is made up of four separate legs connected by shear link beams, which function much like a fuse in an electrical circuit. These beams will absorb most of the impact from an earthquake, preventing damage to the tower legs.

Load transfer began on September 4, 2012, and is expected to be complete by October 8, 2012. Two hundred steel wire suspender ropes, attached to 100 cables bands along the single main cable do the heavy lifting during load transfer. Sets of suspender ropes are gradually tensioned using hydraulic jacks. As each cable band carries two ropes, there are four hydraulic jacks (each exerting as much as 400 tons of force) at each corresponding location along the outside of the roaddecks tensioning and pulling the ropes into position. Following load transfer, remaining critical activities include wrapping of the main cable, painting, paving, striping, and installing and testing of the bridge's mechanical, electrical, and plumbing systems. The TBPOC's goal is to open the bridge to traffic in both directions by September 2013.

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Architectural Rendering of New Self-Anchored Suspension Span and Skyway

Self-Anchored Suspension (SAS) Construction Sequence

STEP 1 - CONSTRUCT TEMPORARY SUPPORT STRUCTURES

All temporary support foundations and structures were completed between the Skyway and Yerba Buena Island by September 2010 to support the westbound and eastbound roadway box erections.



STEP 2 - INSTALL ROADWAYS

All of the 28 steel roadway boxes and 17 crossbeams have been erected as of the end of October 2011.

Status: Roadway deck interior field painting and weld repair work for lifts 13 east and west and drop-in pieces lifts 12 east and west corner assemblies are ongoing in addition to mechanical, electrical and piping installation.



STEP 3 - INSTALL TOWER

All tower legs, tower grillage, tower saddle and tower head were erected using the self-rising crane as of mid-August 2012.

Status: Final tower base shear-plate welding and tower head splice bolting is ongoing.



STEP 4 - MAIN CABLE AND SUSPENDER INSTALLATION

The main cable haul started in late December 2011 from the east end of the westbound roadway deck moving over the tower saddle, wrapping around pier W2 west deviation saddles and returning to the tower saddle to the east end of eastbound roadway deck where it was anchored. The cable band and suspender cables were then installed to lift the roadway deck off the temporary support structure.

Status: The suspender installation started in late May 2012 and was completed in August 2012 in preparation for phase one load transfer, which began on September 4, 2012.



The new bridge will now open simultaneously in both the westbound and eastbound directions on Labor Day, September 2, 2013.

Status: The Self-Anchored Suspension (SAS) construction activities include the welding of the lift 12E floorbeam webs, preparation for the installation of Hinge A and preparation for cradle removal for lifts 7 through 11.





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Yerba Buena Island Transition SAS Skyway Oakland Touchdown

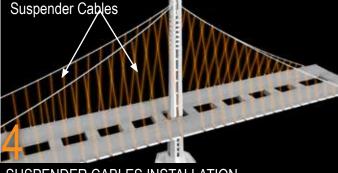
Self-Anchored Suspension (SAS) Superstructure Main Cable Completion Activities



CABLE STRAND HAULING

Crews haul the 137 individual steel wire strands that comprise the nearly 1-mile long single main cable. The strands are adjusted and then anchored into the east end of the SAS.

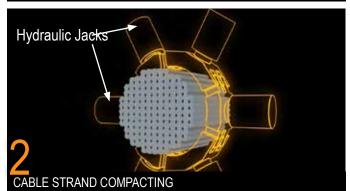
Status: Complete



SUSPENDER CABLES INSTALLATION

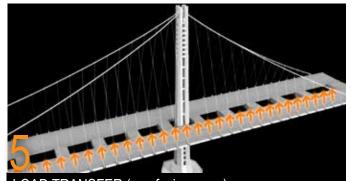
Workers begin placing the suspender cables that connect the main cable to the road-decks. Not all of the suspender cables need to be attached before load transfer begins.

tatus: Completed



Four compacting machines containing hydraulic jacks are used to compress the 137 steel wire strands into the shape of the main cable. Temporary bands are placed to maintain the shape.

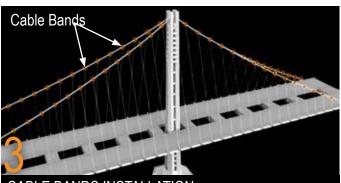
tatus: Complete



LOAD TRANSFER (see facing page)

Using the attached suspender cables, crews begin the process of transferring the weight of the span from the temporary supports under the bridge to the main cable.

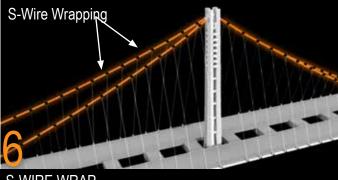
tatus: Started 09/4/12. Completion will be 10/08/12



CABLE BANDS INSTALLATION

Crews installed 114 permanent steel cable bands along the main cable. These bands maintain the shape of the cable, and serve as anchor points for the suspender cables.

atus: Complete



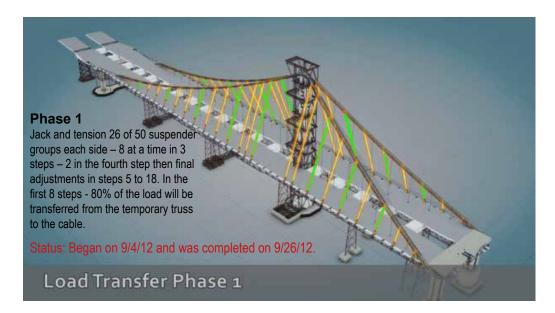
S-WIRE WRAP

After load transfer, the main cable is wrapped in S-wire to protect the cable against corrosion. After the cable is wrapped, it is painted.

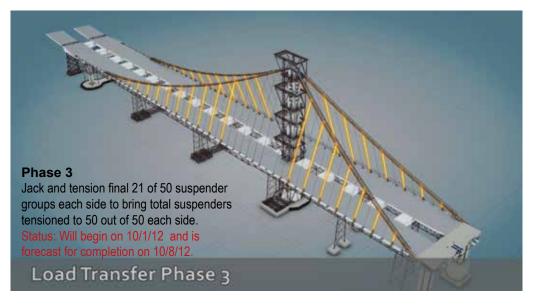
Start 10/19/12



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San Francisco-Oakland Bay Bridge East Span Replacement Project **Skyway**

The Skyway, which comprises much of the new East Span, will drastically change the appearance of the Bay Bridge. Replacing the gray steel that currently cages drivers, a graceful, elevated roadway supported by piers will provide sweeping views of the bay.

E Skyway Contract

Contractor: Kiewit/FCI/Manson. Joint Venture Approved Capital Outlay Budget: \$1.24 B Status: Completed April 2008

Extending for more than a mile across Oakland mudflats, the Skyway is the longest section of the East Span. It sits between the new Self-Anchored Suspension (SAS) span and the Oakland Touchdown. In addition to incorporating the latest seismic-safety technology, the side-by-side roadway decks of the Skyway feature shoulders and lane widths built to modern standards.

The Skyway's decks are composed of 452 pre-cast concrete segments (standing three stories high), containing approximately 200 million pounds of structural steel, 120 million pounds of reinforcing steel, 200 thousand linear feet of piling and about 450 thousand cubic yards of concrete. These are the largest segments

of their kind ever cast and were lifted into place by custom-made winches.

The Skyway marine foundation consists of 160 hollow steel pipe piles measuring eight feet in diameter and dispersed among 14 sets of piers. The 365-ton piles were driven more than 300 feet into the deep bay mud. The new East Span piles were battered or driven in at an angle, rather than vertically, to obtain maximum strength and resistance.

Designed specifically to move during a major earthquake, the Skyway features several state-ofthe-art seismic safety innovations, including 60-footlong hinge pipe beams. These beams will allow deck segments on the Skyway to move, enabling the deck to withstand greater motion and to absorb more earthquake energy.

Status: All light poles that have been fabricated are in the process of installation, and all remaining light poles will be fabricated, delivered and installed by seismic safety opening.



Rending of the New San Francisco/Oakland Bridge Eastspan

San Francisco-Oakland Bay Bridge East Span Replacement Project Oakland Touchdown

When completed, the Oakland Touchdown (OTD) structures will connect Interstate 80 in Oakland to the side-by-side decks of the new East Span. For westbound drivers, the OTD will be their introduction to the graceful new East Span. For eastbound drivers from San Francisco, this section of the bridge will carry them from the Skyway to the East Bay, offering unobstructed views of the Oakland hills.

The OTD approach structures to the Skyway will be constructed in three phases. The first phase, constructed under the OTD #1 contract, built the new westbound approach structure. Due to physical constraints with the existing bridge, the OTD #1 contract was only able to construct a portion of the eastbound approach. To facilitate opening the bridge in both directions at the same time, the second phase of work, performed by the Oakland Detour contractor, included widening the upper deck of the Oakland end of the existing bridge to allow for a traffic shift to the north that removes the physical constraint to completing the eastbound structure. This phase was completed in April 2012. The third phase, to be constructed by a future OTD #2 contract, will complete the eastbound lanes and provide the traffic switch to the new structure in both directions, thus allowing the bridge to open simultaneously in both directions.

Oakland Touchdown #1 Contract

Contractor: MCM Construction, Inc. Approved Capital Outlay Budget: \$205.0 M Status: Completed June 2010

The OTD #1 contract constructed the entire 1,000-footlong westbound approach from the toll plaza to the Skyway. When open to traffic, the westbound approach structure will provide direct access to the westbound Skyway. In the eastbound direction, the contract constructed a portion of the eastbound structure and all of the eastbound foundations that are not in conflict with the existing bridge.

Status: MCM Construction, Inc. completed OTD #1 westbound and eastbound phase 1 on June 8, 2010.

G Oakland Touchdown #2 Contract

Contractor: Flatiron West, Inc. Approved Capital Outlay Budget: \$62.0 M Status: 25% Complete as of September 2012

Flatiron West, Inc. is the prime contractor constructing the Oakland Touchdown #2 contract that will complete the remaining portions of the Oakland Touchdown Approach structures from the existing toll plaza to the new span. The westbound structure and portions of the eastbound structure (not in conflict with the existing span) were constructed under the Oakland Touchdown #1 contract.

Status: The OTD #2 construction contract started on June 25, 2012. The contractor is working on the eastbound approach structure completing the abutment wall in August and is now in the process of installing falsework and the soffit. The contractor had to construct a temporary access trestle to maintain construction access for the SAS contract from the Oakland side of the bridge. The mainline structure work is scheduled to be completed in early 2013 for bridge opening. After bridge opening, the contractor will complete landscaping of the area and constructing the remaining portion of the permanent bicycle/pedestrian pathway by 2014 that is in conflict with the existing bridge.



Aerial View of the Eastbound Oakland Touchdown #2 Construction Progress

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San Francisco-Oakland Bay Bridge East Span Replacement Project Existing East Span Bridge Demolition

Existing SFOBB Dismantling Contracts

Approved Capital Outlay Budget: \$239.1 M

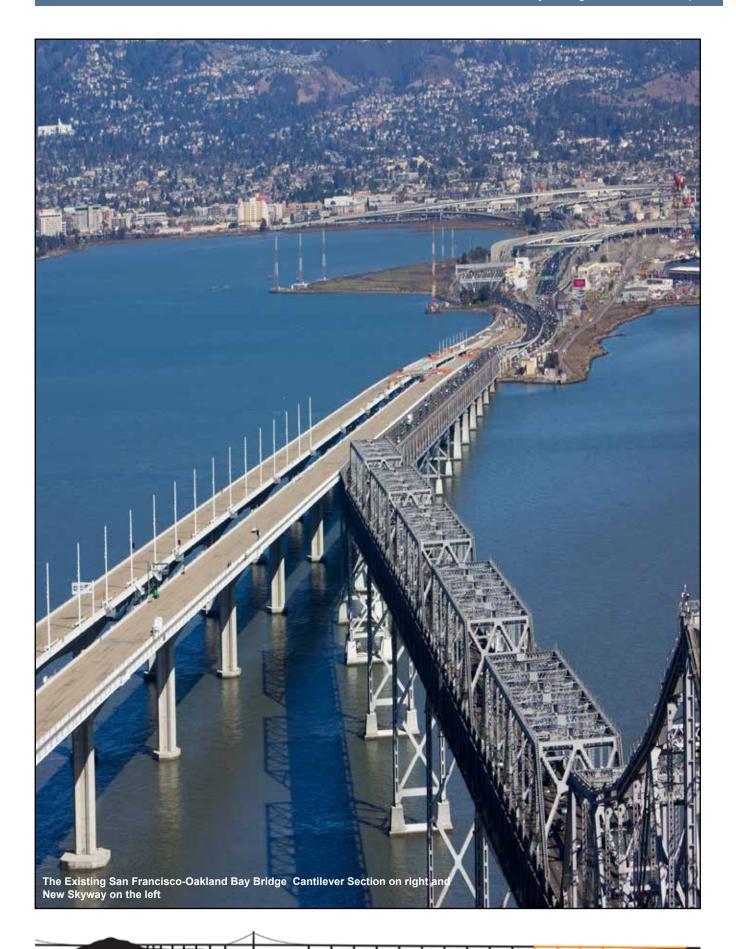
To expedite the opening of a new eastbound on ramp and the pedestrian/bicycle pathway from Yerba Buena Island to the SAS and to maximize contractor efficiencies, the TBPOC has decided to split the dismantling of the existing bridge into multiple contracts. The dismantling of the superstructure of the main cantilever section of the existing bridge has been incorporated into the YBITS #2 contract. The dismantling of the remaining portions of the bridge will likely be performed under separate superstructure (above water) removal and marine foundation (below water) contracts. These contracts are still in design and may change in scope over time.

Status: The cantilever portion of the demolition was advertised with the YBITS #2 contract on April 9, 2012. Bid opening is scheduled for October 23, 2012, and the contract award is forecast for December 22, 2012. Initial dismantling activities are planned to begin in March 2013 with actual dismantling to begin in September 2013.



Dismantling Scope Included in the Future YBITS#2 Contract - YBI Detour at left, E-1 column in center, Cantilever Bridge Deck at right





Yerba Buena Island Transition SAS Skyway Oakland Touchdown 27

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

San Francisco-Oakland Bay Bridge East Span Replacement Project Other Contracts

A number of contracts needed to relocate utilities, clear areas of archeological artifacts and prepare areas for future work have already been completed. The last major contract will be the eventual demolition and removal of the existing bridge, which by that time will have served the Bay Area for nearly 80 years. Following is a status of some the other East Span contracts.

J Electrical Cable Relocation

Contractor: Manson Construction Approved Capital Outlay Budget: \$9.6 M Status: Completed January 2008

A submerged cable from Oakland that is close to where the new bridge will touch down supplies electrical power to Treasure Island. To avoid any possible damage to the cable during construction, two new replacement cables were run from Oakland to Treasure Island. The extra cable was funded by the Treasure Island Development Authority.

Yerba Buena Island Substation

Contractor: West Bay Builders Approved Capital Outlay Budget: \$11.3 M Status: Completed May 2005

This contract relocated an electrical substation just east of the Yerba Buena Island Tunnel in preparation for the new East Span.



Archeological Investigations



New YBI Electrical Substation

Stormwater Treatment Measures

Contractor: Diablo Construction, Inc.
Approved Capital Outlay Budget: \$18.3 M
Status: Completed December 2008

The Stormwater Treatment Measures contract implemented a number of best practices for the management and treatment of stormwater runoff. Focused on the areas around and approaching the toll plaza, the contract added new drainage and built new bio-retention swales and other related constructs.

East Span Interim Seismic Retrofit

Contractors: 1) California Engineering
2) Balfour Beatty

Approved Capital Outlay Budget: \$30.8 M

Status: Completed October 2000

After the 1989 Loma Prieta Earthquake, and before the final retrofit strategy was determined for the East Span, Caltrans completed an interim retrofit of the existing bridge to prevent a catastrophic collapse of the bridge should a similar earthquake occur before the East Span was completely replaced. The interim retrofit was performed under two separate contracts that lengthened pier seats, added some structural members, and strengthened areas of the bridge so they would be more resilient during an earthquake.

Pile Installation Demonstration

Contractor: Manson and Dutra, Joint Venture Approved Capital Outlay Budget: \$9.3 M Status: Completed December 2000

While large-diameter battered piles are common in offshore drilling, the new East Span is one of the first bridges to use them in its foundations. To minimize project risks and build industry knowledge, a pile installation demonstration project was initiated to prove the efficacy of the proposed technology and methodology. The demonstration was highly successful and helped result in zero contract change orders or claims for pile driving on the project.



Stormwater Retention Basin



Existing East Span of the San Francisco-Oakland Bay Bridge



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Battered Pile Installation Demonstration

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Dumbarton Bridge Seismic Retrofit Project

Contractor: Shimmick Construction Company, Inc.

Approved Capital Outlay Budget: \$92.7 M Status: 86% Complete as of September 2012

The current Dumbarton Bridge was opened to traffic in 1982 linking the cities of Newark in Alameda County and East Palo Alto in San Mateo County. The 1.6-mile long bridge has six lanes (three in each direction) and an eight-foot-wide bicycle/pedestrian pathway. The bridge is a combination of three bridge types; reinforced concrete slab approaches supported on multiple pile extension columns, precast-prestressed concrete delta girders and steel box girders supported on reinforced concrete piers. The current retrofit strategy for the bridge includes superstructure and deck modifications and installation of isolation bearings.

Status: The main bridge structure between piers 16 through 31 is being raised approximately five inches in order for isolation bearings to be installed to separate the superstructure from the substructure during seismic events. In preparation, the bridge piers have been widened with reinforced concrete to accommodate the new bearings.

Along the reinforced concrete slab approaches, the bent caps have been extended and tied to new 48-inch diameter steel piles that have been installed to strengthen the bridge. Bent cap extensions along the east and west trestle approach are now complete.

Concrete has been placed and installation of jacking frames is complete at all of the 16 piers. The isolation bearing installation at piers 16 through 19 is complete, which totals 24 out of 96 bearings installed.

Work at the pumping plant is substantially complete. Fender rehabilitation work is ongoing at piers 23 and 24. Pier footing overlay concrete has been placed at piers through 17 through 30.

Retrofitting of the existing piles at the Ravenswood pier and pier removal operation are ongoing.

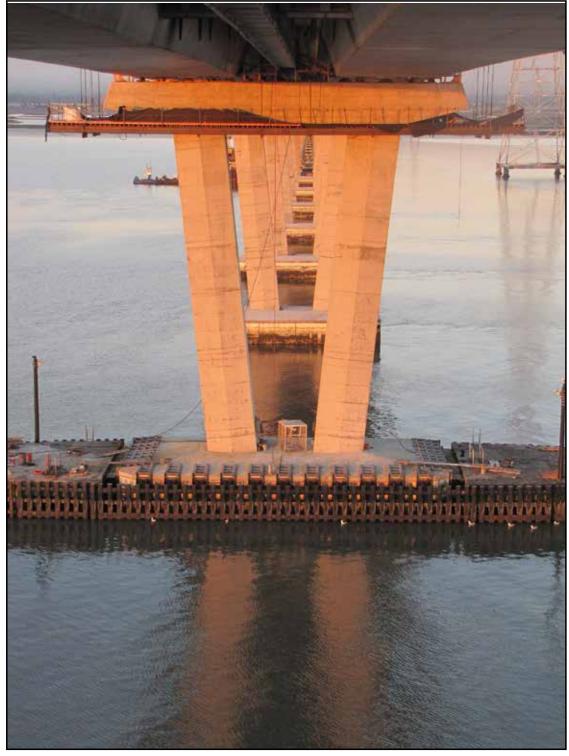
The Dumbarton Bridge was closed to traffic for the second time this year during Labor Day Weekend. A full bridge closure was necessary in order for crews to replace the existing expansion joint on the eastern side of the bridge at Pier 31 with a state-of-the-art seismic joint.



Dumbarton Bridge Seismic Joint at Pier 31



Dumbarton Bridge



Dumbarton Bridge

TOLL BRIDGE SEISMIC RETROFIT PROGRAM Other Completed Projects

In the 1990s, the State Legislature identified seven of the nine state-owned toll bridges for seismic retrofit. In addition to the San Francisco-Oakland Bay Bridge, these included the Benicia-Martinez, Carquinez, Richmond-San Rafael and San Mateo-Hayward bridges in the Bay Area, and the Vincent Thomas and Coronado bridges in Southern California. Other than the East Span of the Bay Bridge, the retrofits of all of the bridges have been completed as planned.

San Mateo-Hayward Bridge Seismic Retrofit Project Project Status: Completed 2000

The San Mateo-Hayward Bridge seismic retrofit project focused on strengthening the high-rise portion of the span. The foundations of the bridge were significantly upgraded with additional piles.

1958 Carquinez Bridge Seismic Retrofit Project Project Status: Completed 2002

The eastbound 1958 Carquinez Bridge was retrofitted in 2002 with additional reinforcement of the cantilever thrutruss structure.

1962 Benicia-Martinez Bridge Seismic Retrofit Project Project Status: Completed 2003

The southbound 1962 Benicia-Martinez Bridge was retrofitted to "Lifeline" status with the strengthening of the foundations and columns and the addition of seismic bearings that allow the bridge to move during a major seismic event. The Lifeline status means the bridge is designed to sustain minor to moderate damage after a seismic event and to reopen quickly to emergency response traffic.



High-Rise Section of San Mateo-Hayward Bridge



1958 Carquinez Bridge (foreground) with the 1927 Span (middle) under Demolition and the New Alfred Zampa Memorial Bridge (background)



1962 Benicia-Martinez Bridge (right)

Richmond-San Rafael Bridge Seismic Retrofit Project Project Status: Completed 2005

The Richmond-San Rafael Bridge was retrofitted to a "No Collapse" classification to avoid catastrophic failure during a major seismic event. The foundations, columns, and truss of the bridge were strengthened, and the entire low-rise approach viaduct from Marin County was replaced.



Richmond-San Rafael Bridge

Los Angeles-Vincent Thomas Bridge Seismic Retrofit Project Project Status: Completed 2000

The Vincent Thomas Bridge is a 1,500-foot long suspension bridge crossing the Los Angeles Harbor in Los Angeles that links San Pedro with Terminal Island. The bridge was one of two state-owned toll bridges in Southern California (the other being the San Diego-Coronado Bridge). Opened in 1963, the bridge was seismically retrofitted as part of the TBSRP in 2000.



Los Angeles-Vincent Thomas Bridge

San Diego-Coronado Bridge Seismic Retrofit Project Project Status: Completed 2002

The San Diego-Coronado Bridge crosses over San Diego Bay and links the cities of San Diego and Coronado. Opened in 1969, the 2.1-mile long bridge was seismically retrofitted as part of the TBSRP in 2002.



San Diego-Coronado Bridge

TOLL BRIDGE SEISMIC RETROFIT PROGRAM Other Completed Projects

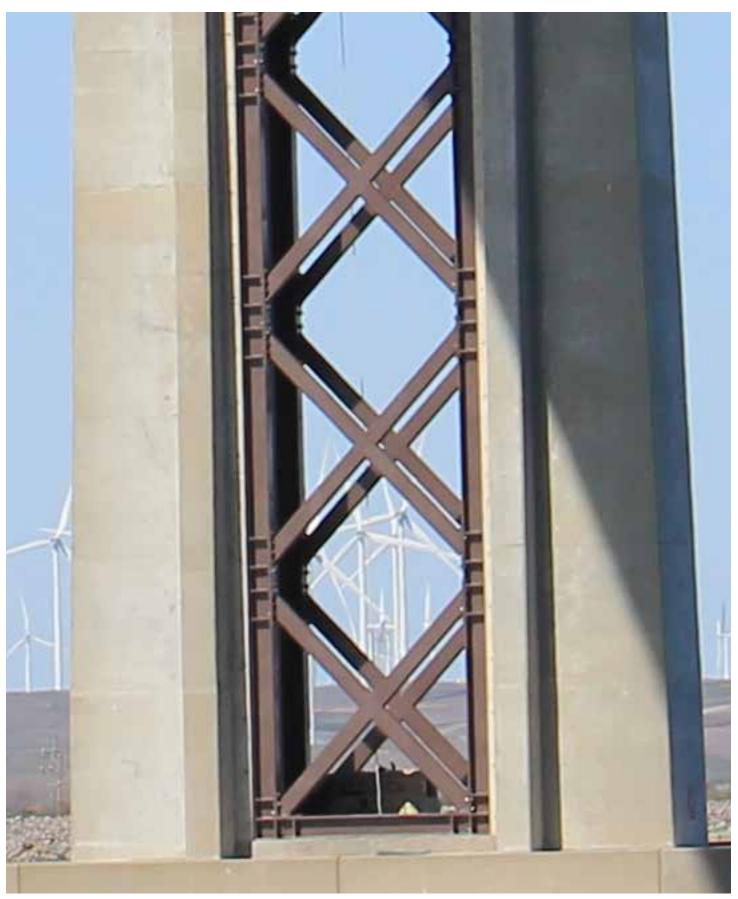
Antioch Bridge Seismic Retrofit Project

Project Status: Completed 2012

Serving the Delta region of the Bay Area, the Antioch Bridge takes State Route 160 traffic over the San Joaquin River, linking eastern Contra Costa County with Sacramento County. The current 1.8-mile-long steel plate girder bridge was opened in 1978 with one lane in each direction. The major retrofit measure for the bridge includes installing seismic isolation bearings at each of the 41 piers, strengthening piers 12 through 31 with steel cross-bracing between column bents, and installing steel casings at all columns located at the Sherman Island approach slab bridge.



Antioch Bridge



Antioch Bridge Support Column Seismic Retrofit

TOLL BRIDGE SEISMIC RETROFIT PROGRAM Risk Management Program Update

POTENTIAL DRAW ON PROGRAM RESERVE (PROGRAM CONTINGENCY)

The program contingency is currently \$329 million in accordance with the TBPOC Approved Budget. As of the end of the third quarter of 2012, the 50 percent probable draw on program contingency is \$144 million. The potential draw ranges from about \$60 million to \$200 million (refer to Figure 1).

The current program contingency balance is sufficient to cover the cost of currently identified risks. In accordance with the approved TBSRP Risk Management Plan, risk mitigation actions are continuously developed and implemented to reduce the potential draw on the program contingency.

RISK MANAGEMENT DEVELOPMENTS

The 50 percent probable remaining program contingency balance (i.e., the approved TBPOC program contingency balance less the 50 percent Probable Draw) increased by \$36 million this guarter.

Cost risks on the SAS contract trended downward this quarter primarily due to progress made with installation of cable and suspenders. The schedule risks associated with completing the cable system, load transfer, and the corridor systems required for bridge opening have not changed substantially this quarter. Teams are actively engaged in each of these areas to mitigate the risks to the greatest extent possible.

The next major activities on the critical path to bridge opening include completing load transfer, wrapping the cable, painting the cable and suspenders, and installing the cable electrical systems. The Cable Erection Risk Management team has been meeting weekly for the past three years to resolve potential cable issues and many of their recommendations have been implemented, resulting in a reduction of many risks.

During a full weekend closure of the Dumbarton Bridge over the Labor Day weekend, the bridge was raised to facilitate the placement of the isolation bearings and the new seismic joint. Careful planning and implementation of risk mitigation actions has resulted in this contract staying on schedule and under budget.



RISK MANAGEMENT LOOK AHEAD

The corridor schedule is aggressive and there are risks to the future activities on the critical paths through completion of load transfer, and completion of mechanical, electrical, and plumbing systems required for the bridge opening. The risk management team continues to monitor the SAS contract, YBITS #1 contract, and the updated corridor schedule to alert the TBPOC of approaching critical activities and suggest mitigation responses for impending risks.

Aggressive planning for the future East Span dismantling work is underway. Dismantling of the cantilever span has been incorporated in the YBITS #2 contract to reduce contractor coordination risk and take advantage of other cost and schedule efficiency opportunities. Bids will be opened on October 23, 2012.

All major bridge closures have now been completed on the Dumbarton Bridge Retrofit. Bearing replacement will continue throughout the fourth quarter, with seismic safety likely to be achieved in early 2013.

Various architectural enhancements and other project improvements are being assessed by the TBPOC and, if approved, will be reflected in the Potential Draw on program contingency curve in future quarters.



The Self-Anchored Suspension Bridge Cable Band and Suspenders Installed But Not Tensioned at Cable Swing-Out Location

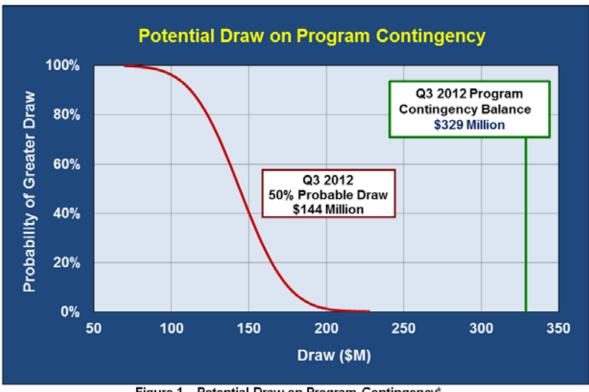


Figure 1 – Potential Draw on Program Contingency*

*Figure 1 Notes:

- 1. Proposed architectural enhancements and project improvements are excluded unless approved by the TBPOC.
- 2. Program Contingency may be used for other beneficial purposes than to cover risks. Therefore, the potential draw chart may not necessarily represent a forecast of the future balance of Program Contingency funds.

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Program Funding Status

AB 144 established a funding level of \$8.685 billion for the TBSRP. As of January 1, 2010, seismic retrofitting of Antioch and Dumbarton Bridges became part of the Toll Bridge Seismic Retrofit Program with the passage of AB 1175, which provided another \$750 million bringing the total funding to \$9.435 billion. The program funding sources are shown in Table 1- Program Budget.

Table 1—Program Budget as of September 30, 2012 (\$ Millions)

	Budgeted	Funding Available & Contribution
Financing		
Seismic Surcharge Revenue AB 1171	2,282.0	2,282.
Seismic Surcharge Revenue AB 144	2,150.0	2,150.
Seismic Surcharge Revenue AB 1175	750.0	750.
BATA Consolidation	820.0	820.
Subtotal - Financing	6,002.0	6,002.
Contributions		
Proposition 192	790.0	789.
San Diego Coronado Toll Bridge Revenue Fund	33.0	33.
Vincent Thomas Bridge	15.0	6.
State Highway Account(1)(2)	745.0	745.
Public Transportation Account ⁽¹⁾⁽³⁾	130.0	130.
ITIP/SHOPP/Federal Contingency (4)	448.0	300.
Federal Highway Bridge Replacement and Rehabilitation (HBRR)	642.0	642.
SHA - East Span Demolition	300.0	
SHA - "Efficiency Savings" (5)	130.0	113.
Redirect Spillover	125.0	125.
Motor Vehicle Account	75.0	75.
Subtotal - Contribution	3,433.0	2,958.
Total Funding	9,435.0	8,960.
Encumbered to Date		7,800.
Remaining Unallocated		1,160.
Expenditures :		
Capital Outlay		6,033.
State Operations		1,626.
Antioch and Dumbarton Expenditures by BATA		12.
Total Expend	ditures	7,672.
Encumbrances :		
Capital Outlay		98.
State Operations		29.
Total Encumb	rances	128.
Total Expenditures and Encumbrances		7,800.
 The California Transportation Commission adopted a new schedule and changed the PTA/SHA split on December 15, 2005. To date, \$645 million has been transferred from the SHA to the TBSRP, including the full \$290 million transfer scheduled by the CTC to december 15. 	occur in 2005-06. An additional \$100	million has been expended directly from the
account. (3) To date, \$130 million has been transferred from the PTA to the TBSRP, including the full amount of all transfers scheduled by the CTC. (4) To date, \$63 million has been transferred from the SHA to the TBSRP, representing the commitment of "Efficiency Savings" identified uncommitment of the savings of the	der AB 144. Approximately \$67 million	remains to be distributed as scheduled by th
CTC _. (5) As of January 1, 2010, seismic retrofitting of Antioch and Dumbarton Bridges became part of the Toll Bridge Seismic Retrofit Program with	h the passage of AB 1175.	

Summary of the Toll Bridge Oversight Committee (TBPOC) Expenses

Pursuant to Streets and Highways Code Section 30952.1 (d), expenses incurred by Caltrans, BATA, and the California Transportation Commission (CTC) for costs directly related to the duties associated with the TBPOC are to be reimbursed by toll revenues. Table 3 -Toll Bridge Program Oversight Committee Estimated Expenses: July 1, 2005 through September 30, 2012 shows expenses through September 30, 2012 for TBPOC functioning, support, and monthly and quarterly reporting.

Table 2—CTC Toll Bridge Seismic Retrofit Program Contributions Adopted December 2005
Schedule of Contributions to the Toll Bridge Seismic Retrofit Program (\$ Millions)

Source	Description	2005-06 (Actual)	2006-07 (Actual)	2007-08 (Actual)	2008-09 (Actual)	2009-10 (Actual)	2010-11 (Actual)	2011-12 (Actual)	2012-13	2013-14	Total
	SHA	290									290
	PTA	80	40								120
AB 1171	Highway Bridge Replacement and Rehabilitation (HBRR)	100	100	100	42						342
	Contingency				1	99	100	100	148		448
	SHA*	2	8				53	50	17		130
AB 144	Motor Vehicle Account (MVA)	75									75
	Spillover		125								125
	SHA**									300	300
	Total	547	273	100	43	99	153	150	165	300	1830

^{*} Caltrans Efficiency Savings

Table 3—Toll Bridge Program Oversight Committee Estimated Expenses: July 1, 2005 through September 30, 2012 (\$ Millions)

Agency/Program Activity	Expenses
ВАТА	2.3
Caltrans	2.6
стс	2.6
Reporting	5.0
Total Program	12.5

^{**} SFOBB East Span Demolition Cost

TOLL BRIDGE SEISMIC RETROFIT PROGRAM

Quarterly Environmental Compliance Highlights

Overall environmental compliance for the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project (SFOBBESSSP) has been a success during the third quarter of 2012. The tasks for the current quarter are focused on mitigation, monitoring, and environmental permitting. Key successes in this quarter are as follows:

Bird monitoring was conducted weekly in all active construction areas. The goal of this monitoring is to document potential impacts to nesting birds from construction activities. Monitors did not observe any indication that birds were disturbed due to the east span construction activities. Nesting bird surveys of the SAS, Skyway, and Oakland Touchdown were conducted six days a week. The goal of this monitoring is to avoid and minimize construction delays due to nesting birds. No active bird nests were observed this quarter. Nesting bird surveys concluded on August 31, 2012, at the end of the bird nesting season.

Double-Crested Cormorant monitoring was also conducted six days a week to record the behavioral response of cormorants to the enticements (i.e., nesting boxes and decoys) that were installed on the new east span nesting platforms in early June. No cormorants were observed on the platforms during monitoring. Peregrine falcon monitoring for the 2010/2011 nesting season began on December 6, 2011 and continued through August 2012. The resident pair of peregrine falcons originally nested on Pier E3 of the existing SFOBB. The nest was just below the lower deck, on a north-facing ledge of the south tower leg. In early May, a biologist with the Santa Cruz Predatory Bird Group accessed the nest site and found a single non-viable egg.

Following the failure at the first nest site, the resident pair of peregrine falcons re-nested at Pier E2 on the north tower leg of the existing SFOBB just below the lower deck and laid four eggs in late May. A single chick hatched in late June. On July 17, 2012, Glenn Stuart, form the Santa Cruz Predatory Bird Research Group, successfully banded the peregrine falcon nestling. The chick fledged (took first flight) on July 30, 2012. On August 2, 2012, no juvenile was observed by the peregrine falcon monitors. Workers reported seeing the juvenile peregrine fly from the north side of Pier E2 of the existing east span to the T1 barge. They

observed the juvenile peregrine being attacked by western gulls that were nesting at the base of Pier E2. Workers believed that the juvenile peregrine was forced into the water by the gulls. Later that day, the juvenile peregrine was observed floating dead in the water and being carried by the currents towards Treasure Island.

Bird predation and hydroacoustic monitoring was conducted for in-water pile driving at OTD2 periodically from July through September. Biologists monitored 26 of the 29 H-piles driven for the falsework and temporary access trestle at the Oakland shoreline. In-water pile driving was completed on September 13, 2012. No dead or injured fish were observed during or following pile driving activities. Underwater sound pressure levels did not exceed levels authorized under regulatory agency permits. Daily hydroacoustic and bird predation monitoring reports were submitted to regulatory agencies in accordance with permits. SFOBB environmental compliance and storm water pollution prevention plan (SWPPP) inspections were conducted weekly at all active project sites.

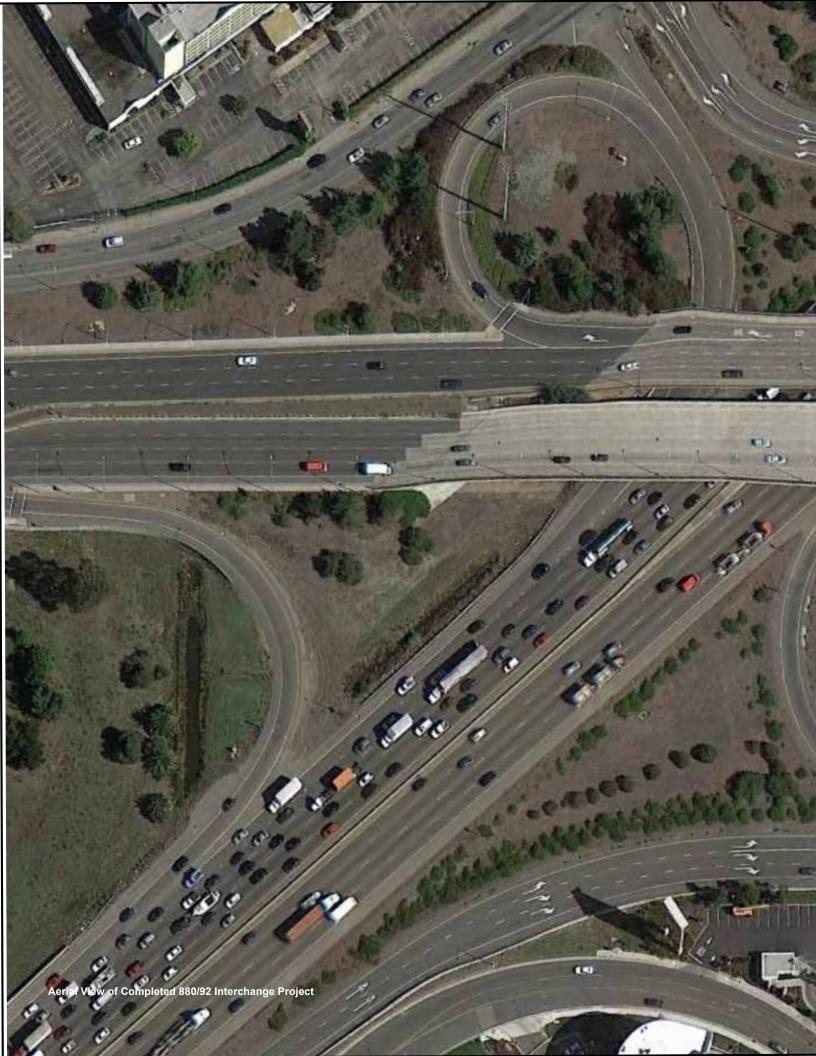
The project team continues to work closely with construction to ensure compliance with environmental permits and regulations and to improve SWPPP and best management practices. Caltrans is in the process of finalizing the Cormorant Relocation Plan. The purpose of the plan is to entice the cormorant colony, which roosts and nests on the crossbeams under the lower deck of the existing bridge, to nesting platforms on the Skyway of the new bridge. The relocation of cormorants to the new platforms may help minimize impacts to the colony during bridge dismantling.

The SFOBB environmental project team helped prepare the Draft Proposal for San Francisco-Oakland Bay Bridge East Span Foundation Removal Demonstration Project, dated August 27, 2012. This report was prepared for the Toll Bridge Program Oversight Committee to review and approve Caltrans' proposal for a demonstration project employing the use of controlled delayed milli charges for removal of Pier E3 of the existing bridge.

On July 12, 2012, Caltrans received a letter of modification from the US Army Corps of Engineers that authorized the construction of three temporary

access trestles and in-water falsework related to the construction of the Oakland Touchdown and demolition of the existing east span. On August 9, 2012, a team of Caltrans biologists and safety personnel went on a preliminary site investigation to E4 and E9 of the existing east span. The purpose of the site investigation was to record information about structures and locations where cormorants nest and roost on the existing east span. This information was collected to inform nesting deterrent recommendations. On August 14, 2012, Caltrans sent the Draft Double-crested Cormorant Relocation Plan to the California Department of Fish and Game, the San Francisco Regional Water Quality Control Board, the U.S. Fish and Wildlife Service, and the San Francisco Bay Conservation and Development Commission (BCDC) for review and comment.

Construction plans for falsework and a small trestle at the Oakland shoreline were submitted to BCDC for plan review on July 6, 2012, and August 7, 2012, respectively. BCDC approved the falsework plans on July 11, 2012, and the trestle on August 20, 2012. On September 6, 2012, Caltrans received the Incidental Take Permit No. 2081-2001-021-03 Minor Amendment No. 3 for the SFOPBB Project. This Amendment was issued for the take of covered species incidental to the construction of a small trestle and falsework at the Oakland shoreline. On September 19, 2012, the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project (SFOBBESSSP) was recognized as the Outstanding Environmental and Engineering Geologic Project of 2012, by the Association of Environmental and Engineering Geologists (AEG). Parsons Brinckerhoff, a consulting firm working on the SFOBBESSSP presented on the projects seismic safety innovations, geological engineering and environmental stewardship at the AEG Annual Meeting in Salt Lake City, Utah and accepted the award on behalf of Caltrans, the Bay Area Toll Authority and the California Transportation Commission.





REGIONAL MEASURE 1 TOLL BRIDGE PROGRAM

REGIONAL MEASURE 1 PROGRAM

Completed Projects

In November 1988, Bay Area voters approved Regional Measure 1 (RM 1), which authorized a standard auto toll of \$1 for all seven state-owned Bay Area toll bridges. The additional revenues generated by the toll increase were identified for use for certain highway and bridge improvements, public transit rail extensions, and other projects that reduce congestion in the bridge corridors.

The toll bridge projects identified by RM 1 are complete and are as follows:

Richmond Parkway Construction Project Project Status: Completed 2001

The final connections to the Richmond Parkway from Interstate 580 near the Richmond-San Rafael Bridge were completed in May 2001.

San Mateo-Hayward Bridge Widening Project Project Status: Completed 2003

This project expanded the low-rise concrete trestle section of the San Mateo-Hayward Bridge to allow for three lanes in each direction to match the existing configuration of the high-rise steel section of the bridge.



Widening of the San Mateo-Hayward Bridge Trestle on Left

New Alfred Zampa Memorial (Carquinez) Bridge Project Project Status: Completed 2003

The new western span of the Carquinez Bridge, which replaced the original 1927 span, is a twin-towered suspension bridge with three mixed-flow lanes, a new carpool lane, shoulders and a bicycle/pedestrian pathway.

Bayfront Expressway (State Route 84) Widening Project Project Status: Completed 2004

This project expanded and improved the roadway from the Dumbarton Bridge touchdown to the US 101/ Marsh Road interchange by adding additional lanes and turn pockets and improving bicycle/pedestrian access in the area.



New Alfred Zampa Memorial (Carquinez) Bridge Soon after Opening to Traffic, with Crockett Interchange Still under Construction

Richmond-San Rafael Bridge Rehabilitation Projects Project Status: Completed 2006

Two major rehabilitation projects for the Richmond-San Rafael Bridge were funded and completed:

(1) replacement of the western concrete approach trestle and ship-collision protection fender system; and (2) rehabilitation of deck joints and resurfacing of the bridge deck.

In 2005, along with the seismic retrofit of the bridge, the trestle and fender replacement work was completed as part of the same project. Under a separate contract in 2006, the bridge was resurfaced with a polyester concrete overlay along with the repair of numerous deck joints.

Benicia-Martinez Bridge Project Project Status: Completed 2009

A two-year project to rehabilitate and reconfigure the original Benicia-Martinez Bridge began shortly after the opening of the new Congressman George Miller Bridge. The existing 1.2-mile roadway surface on the steel deck truss bridge was modified to carry four lanes of southbound traffic (one more than before) - with shoulders on both sides - plus a bicycle/pedestrian path on the west side of the span that connects to Park Road in Benicia and to Marina Vista Boulevard in Martinez. Reconstruction of the east side of the bridge and approaches was completed in August 2008. Reconstruction of the west side of the bridge and its approaches and construction of the bicycle/pedestrian pathway were completed in August 2009.

Interstate 880/State Route 92 Project Status: Completed 2011

This corridor was consistently one of the Bay Area's most congested during the evening commute. This was due in part to the lane merging and weaving that was required by the then-existing cloverleaf interchange. The new interchange features direct freeway-to-freeway connector ramps that now increase traffic capacity and improve overall safety and traffic operations in the area. With the new direct-connector ramps, drivers coming off of the San Mateo-Hayward Bridge can access Interstate 880 without having to compete with traffic headed onto east Route 92 from south Interstate 880. A Caltrans landscaping project will be undertaken in 2012.



New Richmond-San Rafael Bridge West Approach Trestle under Construction

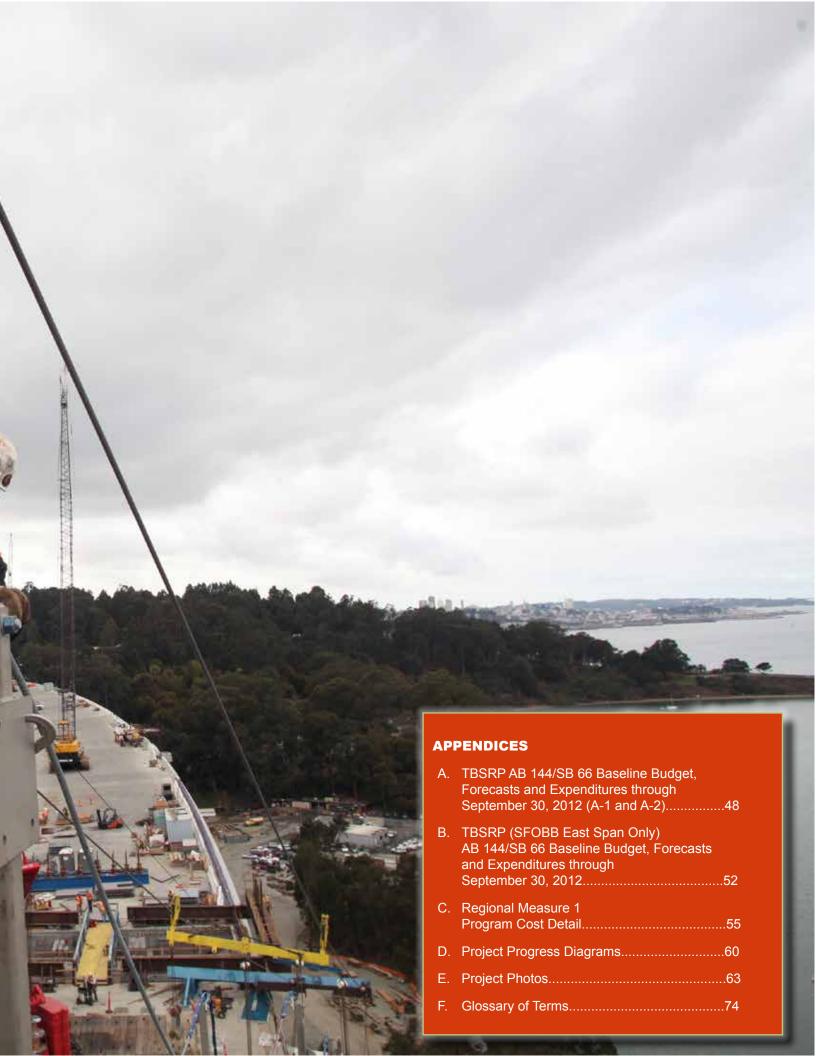


Benicia-Martinez Bridge



Aerial View of Completed 880/92 Interchange Project





Appendix A-1: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions)

SFOBB East Span Replacement Project Capital Outlay Support Capital Outlay Construction Other Budgeted Capital Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit Capital Outlay Support	959.3 4,492.2 35.1 5,486.6 120.0 309.0	262.2 542.1 (3.3) 801.0	e = c + d 1,221.5 5,034.3 31.8	1,085.9 4,234.2	g 1,284.3	h = g - e
Capital Outlay Support Capital Outlay Construction Other Budgeted Capital Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	4,492.2 35.1 5,486.6 120.0	542.1 (3.3)	5,034.3		1,284.3	
Capital Outlay Support Capital Outlay Construction Other Budgeted Capital Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	4,492.2 35.1 5,486.6 120.0	542.1 (3.3)	5,034.3		1,284.3	
Capital Outlay Construction Other Budgeted Capital Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	4,492.2 35.1 5,486.6 120.0	542.1 (3.3)	5,034.3		1,204.5	62.8
Other Budgeted Capital Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	35.1 5,486.6 120.0	(3.3)		4.204.7	5,093.1	58.8
Total SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	5,486.6 120.0	. ,	31.0	0.7	7.7	(24.1)
SFOBB West Approach Replacement Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	120.0	001.0	6,287.6	5,320.8	6,385.1	97.5
Capital Outlay Support Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit			0,207.0	3,320.0	0,303.1	97.5
Capital Outlay Construction Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit		(1.0)	110.0	110.0	110.0	
Total SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	309.0	(1.0) 41.7	119.0 350.7	119.0 331.7	119.0 338.1	(10.6)
SFOBB West Span Retrofit Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	429.0	40.7	469.7	450.7	457.1	(12.6)
Capital Outlay Support Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	429.0	40.7	409.7	450.7	437.1	(12.6)
Capital Outlay Construction Total Richmond-San Rafael Bridge Retrofit	7E 0	(0.2)	74.0	74.0	7/ 0	-
Total Richmond-San Rafael Bridge Retrofit	75.0 232.9	(0.2)	74.8 227.4	74.9 227.4	74.8 227.4	-
Richmond-San Rafael Bridge Retrofit	307.9	(5.5)	302.2		302.2	-
•	307.9	(5.7)	302.2	302.3	302.2	-
Capital Outlay Support	124.0	(7.0)	107.0	100.0	107.0	
Comital Cutton Compton ation	134.0	(7.0)	127.0	126.8	127.0	-
Capital Outlay Construction	780.0	(90.5)	689.5	667.5	689.5	-
Total	914.0	(97.5)	816.5	794.3	816.5	-
Benicia-Martinez Bridge Retrofit	00.4		20.4	00.4	00.4	-
Capital Outlay Support	38.1	-	38.1	38.1	38.1	-
Capital Outlay Construction	139.7	-	139.7	139.7	139.7	-
Total	177.8	-	177.8	177.8	177.8	-
Carquinez Bridge Retrofit						
Capital Outlay Support	28.7	0.1	28.8	28.8	28.8	-
Capital Outlay Construction	85.5	(0.1)	85.4	85.4	85.4	-
Total	114.2	-	114.2	114.2	114.2	-
San Mateo-Hayward Retrofit						-
Capital Outlay Support	28.1	-	28.1	28.1	28.1	-
Capital Outlay Construction	135.4	(0.1)	135.3	135.3	135.3	-
Total	163.5	(0.1)	163.4	163.4	163.4	-
Vincent Thomas Bridge Retrofit (Los Angeles)						
Capital Outlay Support	16.4	-	16.4	16.4	16.4	-
Capital Outlay Construction	42.1	(0.1)	42.0	42.0	42.0	-
Total	58.5	(0.1)	58.4	58.4	58.4	-
San Diego-Coronado Bridge Retrofit						
Capital Outlay Support	33.5	(0.3)	22.0			
Capital Outlay Construction			33.2	33.2	33.2	-
Total	70.0 103.5	(0.6)	69.4 102.6	33.2 69.4 102.6	33.2 69.4 102.6	-

Appendix A-1: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions) Cont.

Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
a	С	d	e = c + d	f	g	h = g - e
Antioch Bridge						
Capital Outlay Support	_	31.0	31.0	17.1	24.5	(6.5)
Capital Outlay Support by BATA				6.2		()
Capital Outlay Construction	-	51.0	51.0	46.8	50.3	(0.7)
Total	-	82.0	82.0	70.1	74.8	(7.2)
Dumbarton Bridge						
Capital Outlay Support	-	56.0	56.0	32.7	56.0	-
Capital Outlay Support by BATA				6.0		
Capital Outlay Construction	-	92.7	92.7	53.3	71.9	(20.8)
Total	-	148.7	148.7	92.0	127.9	(20.8)
Subtotal Capital Outlay Support	1,433.1	340.8	1,773.9	1,613.2	1,830.2	56.3
Subtotal Capital Outlay	6,286.8	630.6	6,917.4	6,032.7	6,942.1	24.7
Subtotal Other Budgeted Capital	35.1	(3.3)	31.8	0.7	7.7	(24.1)
Miscellaneous Program Costs	30.0	(0.0)	30.0	25.5	30.0	(=)
Subtotal Toll Bridge Seismic Retrofit Program	7,785.0	968.1	8,753.1	7,672.1	8,810.0	56.9
Net Programmatic Risks*	-	_	_	-	87.1	87.1
Program Contingency	900.0	(571.1)	328.9	-	184.9	(144.0)
Total Toll Bridge Seismic Retrofit Program ¹	8,685.0	397.0	9,082.0	7,672.1	9,082.0	-

¹ Figures may not sum up to totals due to rounding effects.

Appendix A-2: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions)

Bridge	AB 144 Baseline Budget	TBPOC Current Approved Budget	Expenditures to date and encumbrances as of 09/2012 see Note (1)	Estimated costs not yet spent or encumbered as of 09/2012	Total Forecast as of 09/2012
a	b	С	d	е	f = d + e
Other Completed Projects					
Capital Outlay Support	144.9	144.6	144.6	-	144.6
Capital Outlay	472.6	471.9	472.8	(1.1)	471.7
Total	617.5	616.5	617.4	(1.1)	616.3
Richmond-San Rafael					
Capital Outlay Support	134.0	127.0	126.8	0.2	127.0
Capital Outlay	698.0	689.5	667.5	22.0	689.5
Project Reserves	82.0	-	-	-	-
Total	914.0	816.5	794.3	22.2	816.5
West Span Retrofit					
Capital Outlay Support	75.0	74.8	74.9	(0.1)	74.8
Capital Outlay	232.9	227.4	232.9	(5.5)	227.4
Total	307.9	302.2	307.8	(5.6)	302.2
West Approach				(515)	
Capital Outlay Support	120.0	119.0	119.0	-	119.0
Capital Outlay	309.0	350.7	346.3	(8.2)	338.1
Total	429.0	469.7	465.3	(8.2)	457.1
SFOBB East Span - Skyway	120.0	100.1	100.0	(0.2)	107.1
Capital Outlay Support	197.0	181.2	181.2	_	181.2
Capital Outlay	1,293.0	1,237.2	1,237.2	_	1,237.2
Total	1,490.0	1,418.4	1,418.4	_	1,418.4
SFOBB East Span - SAS - Superstructure	1,400.0	1,410.4	1,410.4		1,410.4
Capital Outlay Support	214.6	419.0	411.9	64.9	476.8
Capital Outlay	1,753.7	2,046.8	1,716.0	331.2	2,047.2
Total	1,968.3	2,465.8	2,127.9	396.1	2,524.0
SFOBB East Span - SAS - Foundations	1,300.3	2,403.0	2,127.9	390.1	2,324.0
Capital Outlay Support	62.5	37.6	37.6		37.6
Capital Outlay	339.9	301.3	309.3	(4.2)	305.1
Total	402.4	338.9			
	402.4	330.9	346.9	(4.2)	342.7
Small YBI Projects	10.6	10.0	10.0	0.4	10.6
Capital Outlay Support	10.6	10.2	10.2	0.4	10.6
Capital Outlay	15.6	15.2	15.5	0.2	15.7
Total	26.2	25.4	25.7	0.6	26.3
YBI Detour					
Capital Outlay Support	29.5	87.7	89.1	(1.4)	87.7
Capital Outlay	131.9	466.1	492.9	(19.6)	473.3
Total	161.4	553.8	582.0	(21.0)	561.0
YBI- Transition Structures					
Capital Outlay Support	78.7	106.4	86.5	28.5	115.0
Capital Outlay	299.4	262.0	169.3	140.3	309.6
Total	378.1	368.4	255.8	168.8	424.6

Appendix A-2: TBSRP AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions) Cont.

Contract	AB 144 Baseline Budget	TBPOC Current Approved Budget	Expenditures to date and encumbrances as of 09/2012 see Note (1)	Estimated costs not yet spent or encumbered as of 09/2012	Total Forecast as of 09/2012
a	b	С	d	е	f = d + e
Oakland Touchdown					
Capital Outlay Support	74.4	112.9	98.1	26.0	124.1
Capital Outlay	283.8	327.6	250.7	75.9	326.6
Total	358.2	440.5	348.8	101.9	450.7
East Span Other Small Projects	330.Z	770.0	3 1 0.0	101.3	430.1
Capital Outlay Support	212.3	206.6	197.9	8.7	206.6
Capital Outlay	170.8	170.8	118.4	36.2	154.6
Total	383.1	377.4	316.3	44.9	361.2
Existing Bridge Demolition	000.1	VII. 1	010.0	77.0	001.2
Capital Outlay Support	79.7	59.9	3.1	41.6	44.7
Capital Outlay	239.2	239.1	0.1	231.4	231.4
Total	318.9	299.0	3.1	273.0	276.1
Antioch Bridge	010.0	200.0	0.1	210.0	270.1
Capital Outlay Support	_	31.0	17.2	1.1	18.3
Capital Outlay Support by BATA		••	6.2	_	6.2
Capital Outlay	_	51.0	47.4	2.9	50.3
Total	_	82.0	70.8	4.0	74.8
Dumbarton Bridge		52. 0			
Capital Outlay Support	_	56.0	32.7	17.3	50.0
Capital Outlay Support by BATA			6.0	-	6.0
Capital Outlay	_	92.7	56.0	15.9	71.9
Total		148.7	94.7	33.2	127.9
Miscellaneous Program Costs	30.0	30.0	25.5	4.5	30.0
Total Capital Outlay Support	1,463.2	1,803.9	1,668.5	191.7	1,860.2
Total Capital Outlay	6,321.8	6,949.3	6,132.2	817.5	6,949.7
Program Total ¹	7,785.0	8,753.2	7,800.7	1,009.2	8,809.9

Funds allocated to project or contract for Capital Outlay and Support needs includes Capital Outlay Support total allocation for FY 06/07.
 BSA provided a distribution of program contingency in December 2004 based in Bechtel Infrastructure Corporation input.
 This Column is subject to revision upon completion of Department's risk assessment update.

⁽³⁾ Total Capital Outlay Support includes program indirect costs.

¹ Figures may not sum up to totals due to rounding effects.

Appendix B: TBSRP (SFOBB East Span Only) AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions)

Contract a	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012) e = c + d	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance h = g - e
<u> </u>		<u> </u>	0 0 0	•	9	n g c
San Francisco-Oakland Bay Bridge East Span Replacement Project						
East Span - SAS Superstructure						
Capital Outlay Support	214.6	204.4	419.0	393.4	476.8	57.8
Capital Outlay Construction	1,753.7	293.1	2,046.8	1,714.0	2,047.2	0.4
Total	1,968.3	497.5	2,465.8	2,107.4	2,524.0	58.2
SAS W2 Foundations						
Capital Outlay Support	10.0	(8.0)	9.2	9.2	9.2	-
Capital Outlay Construction	26.4	0.1	26.5	26.5	26.5	-
Total	36.4	(0.7)	35.7	35.7	35.7	-
YBI South/South Detour						
Capital Outlay Support	29.4	58.3	87.7	87.8	87.7	-
Capital Outlay Construction	131.9	334.2	466.1	466.1	473.3	7.2
Total	161.3	392.5	553.8	553.9	561.0	7.2
East Span - Skyway						
Capital Outlay Support	197.0	(15.8)	181.2	181.2	181.2	-
Capital Outlay Construction	1,293.0	(55.8)	1,237.2	1,237.2	1,237.2	-
Total	1,490.0	(71.6)	1,418.4	1,418.4	1,418.4	-
East Span - SAS E2/T1 Foundations						-
Capital Outlay Support	52.5	(24.1)	28.4	28.3	28.4	-
Capital Outlay Construction	313.5	(38.7)	274.8	274.8	278.6	3.8
Total	366.0	(62.8)	303.2	303.1	307.0	3.8
YBI Transition Structures (see notes below)						
Capital Outlay Support	78.7	27.7	106.4	80.1	115.0	8.6
Capital Outlay Construction	299.3	(37.3)	262.0	168.2	309.6	47.6
Total	378.0	(9.6)	368.4	248.3	424.6	56.2
* YBI- Transition Structures		• •				
Capital Outlay Support			16.4	16.4	16.4	-
Capital Outlay Construction			-	-	-	-
Total			16.4	16.4	16.4	_
* YBI- Transition Structures Contract No. 1						
Capital Outlay Support			57.0	49.5	64.6	7.6
Capital Outlay Construction			199.7	168.2	225.8	26.1
Total			256.7	217.7	290.4	33.7
* YBI- Transition Structures Contract No. 2						
Capital Outlay Support			32.0	14.2	33.0	1.0
Capital Outlay Construction			59.0	-	80.5	21.5
Total			91.0	14.2	113.5	22.5
* YBI- Transition Structures Contract No. 3 Landscape						
Capital Outlay Support			1.0	_	1.0	_
Capital Outlay Construction			3.3	-	3.3	-
Total			4.3	_	4.3	_

Appendix B: TBSRP (SFOBB East Span Only) AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions) Cont.

Contract a	AB 144 / SB 66 Budget (07/2005) c	Approved Changes	Current Approved Budget (09/2012) e = c + d	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
Oakland Touchdown (see notes below)		u	e-c-u	-	g	h = g - e
Capital Outlay Support	74.4	38.5	112.9	94.6	124.1	11.2
Capital Outlay Support Capital Outlay Construction	283.8	43.8	327.6	215.4	326.6	(1.0)
Total	358.2	82.3	440.5	310.0	450.7	10.2
* OTD Prior-to-Split Costs	000.2	02.0	440.0	010.0	400.1	10.2
Capital Outlay Support			21.7	20.0	21.7	_
Capital Outlay Construction			21.1	20.0	21.7	4.4
Total			21.7	20.0	21.7	4.4
* OTD Submarine Cable(1)			21.7	20.0	21.7	4.4
. ,			0.9	0.9	0.9	
Capital Outlay Support						-
Capital Outlay Construction			9.6	5.7	9.6	-
Total			10.5	6.6	10.5	-
* OTD No. 1 (Westbound)			54.0	54.0	54.0	
Capital Outlay Support			51.3	51.2	51.3	-
Capital Outlay Construction			205.0	203.0	203.3	(1.7)
Total			256.3	254.2	254.6	(1.7)
* OTD No. 2 (Eastbound)						
Capital Outlay Support			22.5	15.7	35.6	13.1
Capital Outlay Construction			62.0	6.7	60.5	(1.5)
Total			84.5	22.4	96.1	11.6
* OTD Touchdown 2 Detour(2)						
Capital Outlay Support			15.0	6.1	13.1	(1.9)
Capital Outlay Construction			51.0	-	48.8	(2.2)
Total			66.0	6.1	61.9	(4.1)
* OTD Electrical Systems						
Capital Outlay Support			1.5	8.0	1.5	-
Capital Outlay Construction			-	-	4.4	4.4
Total			1.5	0.8	5.9	4.4
Existing Bridge Demolition						
Capital Outlay Support	79.7	(19.8)	59.9	3.2	44.7	(15.2)
Capital Outlay Construction	239.2	(0.1)	239.1	-	231.4	(7.7)
Total	318.9	(19.9)	299.0	3.2	276.1	(22.9)
* Cantilever Section						
Capital Outlay Support			-	-	16.8	
Capital Outlay Construction			-	-	60.5	
Total			-	-	77.3	
* 504/288 Sections						
Capital Outlay Support			-	3.2	13.9	
Capital Outlay Construction			-	-	64.3	
Total			-	3.2	78.2	
*Marine foundations						
Capital Outlay Support			-	-	14.0	
Capital Outlay Construction			-	-	106.6	
Total			-	-	120.6	
YBI/SAS Archeology						
Capital Outlay Support	1.1	-	1.1	1.1	1.1	-
Capital Outlay Construction	1.1	-	1.1	1.1	1.1	-
Total	2.2	_	2.2	2.2	2.2	_
- 						

Appendix B: TBSRP (SFOBB East Span Only) AB 144/SB 66 Baseline Budget, Forecasts and Expenditures through August 31, 2012 (\$ Millions) Cont.

Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
a	С	d	e = c + d	f	g	h = g - e
YBI - USCG Road Relocation						
Capital Outlay Support	3.0	(0.3)	2.7	2.7	3.0	0.3
Capital Outlay Construction	3.0	(0.2)	2.8	2.8	3.0	0.2
Total	6.0	(0.5)	5.5	5.5	6.0	0.5
YBI - Substation and Viaduct						
Capital Outlay Support	6.5	(0.1)	6.4	6.4	6.5	0.1
Capital Outlay Construction	11.6	(0.3)	11.3	11.3	11.6	0.3
Total	18.1	(0.4)	17.7	17.7	18.1	0.4
Oakland Geofill						-
Capital Outlay Support	2.5	0.1	2.6	2.5	2.5	(0.1)
Capital Outlay Construction	8.2	-	8.2	8.2	8.2	-
Total	10.7	0.1	10.8	10.7	10.7	(0.1)
Pile Installation Demonstration Project						
Capital Outlay Support	1.8	-	1.8	1.8	1.8	-
Capital Outlay Construction	9.3	-	9.3	9.3	9.3	-
Total	11.1	_	11.1	11.1	11.1	-
Stormwater Treatment Measures						
Capital Outlay Support	6.0	2.2	8.2	8.2	8.2	-
Capital Outlay Construction	15.0	3.3	18.3	16.8	18.3	-
Total	21.0	5.5	26.5	25.0	26.5	-
Right-of-Way and Environmental Mitigation						
Capital Outlay Support	-	-	-	-	-	-
Capital Outlay & Right-of-Way	72.4	-	72.4	51.7	80.4	8.0
Total	72.4	_	72.4	51.7	80.4	8.0
Sunk Cost - Existing East Span Retrofit						
Capital Outlay Support	39.5	_	39.5	39.5	39.5	_
Capital Outlay Construction	30.8	_	30.8	30.8	30.8	_
Total	70.3	_	70.3	70.3	70.3	_
Other Capital Outlay Support						
Environmental Phase	97.7	_	97.7	97.8	97.7	_
Pre-Split Project Expenditures	44.9	_	44.9	44.9	44.9	_
Non-Project Specific Costs	20.0	(8.0)	12.0	3.2	12.0	_
Total	162.6	(8.0)	154.6	145.9	154.6	-
Subtotal Capital Outlay Support	959.3	262.2	1,221.5	1,085.9	1,284.3	62.8
Subtotal Capital Outlay Construction	4,492.2	542.1	5,034.3	4,234.2	5,093.1	58.8
Other Budgeted Capital	35.1	(3.3)	31.8	0.7	7.7	(24.1)
Total SFOBB East Span Replacement Project	5,486.6	801.0	6,287.6	5,320.8	6,385.1	- 97.5
Total of ODD East Opan Replacement Project	5,400.0	001.0	0,207.0	3,320.0	0,505.1	31.5

¹ Figures may not sum up to totals due to rounding effects.

Appendix C: Regional Measure 1 Program Cost Detail (\$ Millions)

Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
a	С	d	e = c + d	f	g	h = g - e
New Benicia-Martinez Bridge Project						
New Bridge						
Capital Outlay Support	04.0	7.0	00.4	04.0	00.4	
BATA Funding	84.9	7.2	92.1	91.9	92.1	-
Non-BATA Funding	-	0.1	0.1	0.1	0.1	-
Subtotal	84.9	7.3	92.2	92.0	92.2	-
Capital Outlay Construction			-			-
BATA Funding	661.9	94.6	756.5	753.7	756.5	-
Non-BATA Funding	10.1	-	10.1	10.1	10.1	-
Subtotal	672.0	94.6	766.6	763.8	766.6	-
Total	756.9	101.9	858.8	855.8	858.8	-
I-680/I-780 Interchange Reconstruction						
Capital Outlay Support						
BATA Funding	24.9	5.2	30.1	30.1	30.1	-
Non-BATA Funding	1.4	5.2	6.6	6.3	6.6	-
Subtotal	26.3	10.4	36.7	36.4	36.7	-
Capital Outlay Construction						
BATA Funding	54.7	26.9	81.6	77.1	81.6	-
Non-BATA Funding	21.6	-	21.6	21.7	21.7	0.1
Subtotal	76.3	26.9	103.2	98.8	103.3	0.1
Total	102.6	37.3	139.9	135.2	140.0	0.1
I-680/Marina Vista Interchange Reconstruction						
Capital Outlay Support	18.3	1.9	20.2	20.2	20.2	-
Capital Outlay Construction	51.5	4.9	56.4	56.1	56.4	-
Total	69.8	6.8	76.6	76.3	76.6	-
New Toll Plaza and Administration Building						
Capital Outlay Support	11.9	3.8	15.7	15.7	15.7	-
Capital Outlay Construction	24.3	2.0	26.3	25.1	26.3	-
Total	36.2	5.8	42.0	40.8	42.0	-
Existing Bridge & Interchange Modifications						
Capital Outlay Support						
BATA Funding	4.3	13.7	18.0	18.0	18.0	-
Non-BATA Funding	-	0.9	0.9	0.8	0.9	-
Subtotal	4.3	14.6	18.9	18.8	18.9	-
Capital Outlay Construction						
BATA Funding	17.2	32.8	50.0	37.2	50.0	-
Non-BATA Funding	-	9.5	9.5	-	9.5	-
Subtotal	17.2	42.3	59.5	37.2	59.5	-
Total	21.5	56.9	78.4	56.0	78.4	-
Other Contracts						
Capital Outlay Support	11.4	(0.9)	10.5	9.7	10.5	-
Capital Outlay Construction	20.3	3.3	23.6	18.6	23.6	-
Capital Outlay Right-of-Way	20.4	(0.1)	20.3	17.0	20.3	-
Total	52.1	2.3	54.4	45.3	54.4	

Appendix C: Regional Measure 1 Program Cost Detail (\$ Millions) Cont.

Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
a	С	d	e = c + d	f	g	h = g - e
New Parisis Martines Bridge Decises continued						
New Benicia-Martinez Bridge Project continued	155.7	20.0	186.6	185.6	186.6	
Subtotal BATA Capital Outlay Support	155.7 829.9	30.9 164.5	994.4	967.8	994.4	-
Subtotal BATA Capital Outlay Construction						-
Subtotal Capital Outlay Right-of-Way	20.4	(0.1)	20.3	17.0	20.3	-
Subtotal Non-BATA Capital Outlay Support	1.4	6.2	7.6	7.2	7.6	- 0.4
Subtotal Non-BATA Capital Outlay Construction	31.7	9.5	41.2	31.8	41.3	0.1
Project Reserves	20.8	1.6	22.4	-	22.3	(0.1)
Total New Benicia-Martinez Bridge Project	1,059.9	212.6	1,272.5	1,209.4	1,272.5	_
Notes:	·		•	6_,00608_,00609		SOC 0060E 0
Notes.	060F_,0060G_				_,0000A_,000	J00_,0000L_,0
Carquinez Bridge Replacement Project						
New Bridge						
Capital Outlay Support	60.5	(0.3)	60.2	60.2	60.2	-
Capital Outlay Construction	253.3	2.7	256.0	255.9	256.0	-
Total	313.8	2.4	316.2	316.1	316.2	-
Crockett Interchange Reconstruction						
Capital Outlay Support	32.0	(0.1)	31.9	31.9	31.9	-
Capital Outlay Construction	73.9	(1.9)	72.0	71.9	72.0	-
Total	105.9	(2.0)	103.9	103.8	103.9	-
Existing 1927 Bridge Demolition						
Capital Outlay Support	16.1	(0.3)	15.8	15.8	15.8	-
Capital Outlay Construction	35.2	-	35.2	35.1	35.2	-
Total	51.3	(0.3)	51.0	50.9	51.0	_
Other Contracts		,				
Capital Outlay Support	15.8	0.9	16.7	16.5	16.7	-
Capital Outlay Construction	18.8	(1.2)	17.6	16.5	17.6	-
Capital Outlay Right-of-Way	10.5	(0.1)	10.4	9.9	10.4	-
Total	45.1	(0.4)	44.7	42.9	44.7	-
Subtotal BATA Capital Outlay Support	124.4	0.2	124.6	124.4	124.6	-
Subtotal BATA Capital Outlay Construction	381.2	(0.4)	380.8	379.4	380.8	-
Subtotal Capital Outlay Right-of-Way	10.5	(0.1)	10.4	9.9	10.4	-
Project Reserves	12.1	(9.7)	2.4	-	2.4	-
Total Carquinez Bridge Replacement Project ¹	528.2	(10.0)	518.2	513.7	518.2	-
Notes		_,01303_,0130 DF_,0130G_,0	04_,01305_,01; 130H_,0130J_,	306_,01307_,013 ,00453_,00493_,		

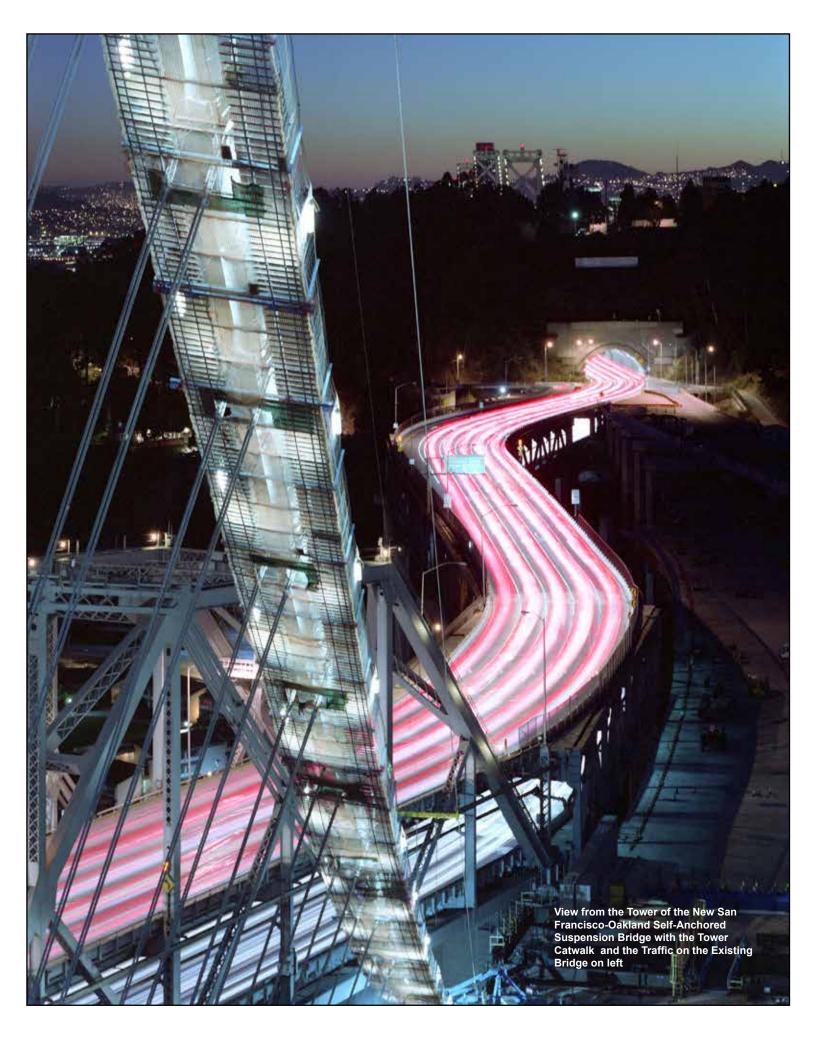
¹ Figures may not sum up to totals due to rounding effects.

Appendix C: Regional Measure 1 Program Cost Detail (\$ Millions) Cont.

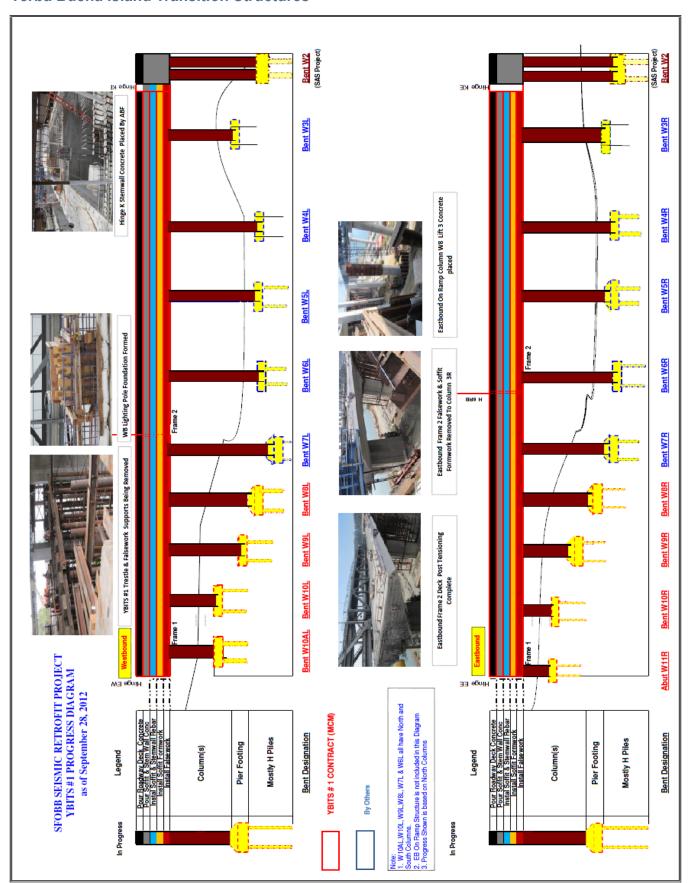
Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance
a	С	d	e = c + d	f	g	h = g - e
Richmond-San Rafael Bridge Trestle. Fender, and Deck Joint F	Pohabilitation					
Capital Outlay Support	Neriabilitation					
BATA Funding	2.2	(0.8)	1.4	1.4	1.4	_
Non-BATA Funding	8.6	1.8	10.4	10.4	10.4	_
Subtotal	10.8	1.0	11.8	11.8	11.8	-
Capital Outlay Construction	10.0	1.0	11.0	11.0	11.0	-
BATA Funding	40.2	(6.8)	33.4	33.3	33.4	
Non-BATA Funding	51.1	(0.0)	51.1	51.1	51.1	-
Subtotal	91.3	(6.8)	84.5	84.4	84.5	_
Project Reserves	91.5	0.8	0.8	04.4	04.3	-
Total	102.1	(5.0)	97.1	96.2	97.1	_
Richmond-San Rafael Bridge Deck Overlay Rehabilitation	102.1	(3.0)	37.1	30.2	31.1	_
Capital Outlay Support						
BATA Funding	4.0	(0.7)	3.3	3.3	3.3	
Non-BATA Funding	4.0	(4.0)	0.0	5.5	0.0	_
Subtotal	8.0	(4.0)	3.3	3.3	3.3	-
Capital Outlay Construction	16.9	(0.6)	16.3	16.3	16.3	_
Project Reserves	0.1	0.3	0.4	10.5	0.4	_
Total	25.0	(5.0)	20.0	19.6	20.0	
Richmond Parkway Project (RM 1 Share Only)	25.0	(0.0)	20.0	13.0	20.0	
Capital Outlay Support	_	_	_	_	_	_
Capital Outlay Construction	5.9	_	5.9	4.3	5.9	_
Total	5.9		5.9	4.3	5.9	_
San Mateo-Hayward Bridge Widening	0.0		0.0	1.0	0.0	
Capital Outlay Support	34.6	(0.5)	34.1	34.1	34.1	_
Capital Outlay Construction	180.2	(6.1)	174.1	174.1	174.1	_
Capital Outlay Right-of-Way	1.5	(0.9)	0.6	0.6	0.6	-
Project Reserves	1.5	(0.5)	1.0	-	1.0	_
Total	217.8	(8.0)	209.8	208.8	209.8	_
I-880/SR-92 Interchange Reconstruction	211.0	(0.0)	200.0	200.0	200.0	
Capital Outlay Support	28.8	35.8	64.6	62.2	64.6	-
Capital Outlay Construction	20.0	00.0	•	V	••	
BATA Funding	85.2	68.4	153.6	150.2	153.6	-
Non-BATA Funding	9.6	-	9.6	-	9.6	-
Subtotal	94.8	68.4	163.2	150.2	163.2	_
Capital Outlay Right-of-Way	9.9	7.3	17.2	14.7	17.2	-
Project Reserves	0.3	(0.3)	-	-	-	-
Total	133.8	111.2	245.0	227.1	245.0	_
Bayfront Expressway Widening						
Capital Outlay Support	8.6	(0.2)	8.4	8.4	8.4	-
Capital Outlay Construction	26.5	(1.5)	25.0	24.9	25.0	-
Capital Outlay Right-of-Way	0.2	-	0.2	0.2	0.2	-
Project Reserves	0.8	(0.3)	0.5	-	0.5	-
Total	36.1	(2.0)	34.1	33.5	34.1	-
		()	- · · · ·			

Appendix C: Regional Measure 1 Program Cost Detail (\$ Millions) Cont.

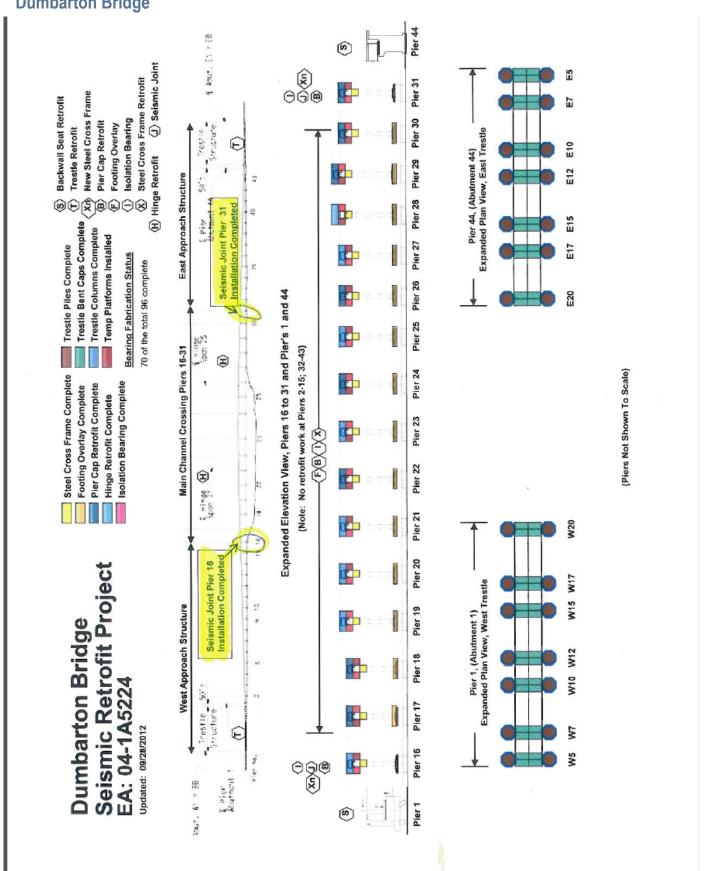
Contract	AB 144 / SB 66 Budget (07/2005)	Approved Changes	Current Approved Budget (09/2012)	Cost to Date (09/2012)	Cost Forecast (09/2012)	At- Completion Variance			
a	С	d	e = c + d	f	g	h = g - e			
US 101/University Avenue Interchange Modification									
Capital Outlay Support	-	-	-	-	-	-			
Capital Outlay Construction	3.8	-	3.8	3.7	3.8	-			
Total	3.8	-	3.8	3.7	3.8	-			
Subtotal BATA Capital Outlay Support	358.3	64.7	423.0	419.4	423.0	-			
Subtotal BATA Capital Outlay Construction	1,569.8	217.5	1,787.3	1,754.0	1,787.3	-			
Subtotal Capital Outlay Right-of-Way	42.5	6.2	48.7	42.4	48.7	-			
Subtotal Non-BATA Capital Outlay Support	14.0	4.0	18.0	17.6	18.0	-			
Subtotal Non-BATA Capital Outlay Construction	92.4	9.5	101.9	82.9	102.0	0.1			
Project Reserves	35.6	(8.1)	27.5	-	27.4	(0.1)			
Total RM1 Program	2,112.6	293.8	2,406.4	2,316.3	2,406.4	-			
Notes:	1 Richmond-San Rafael Bridge Trestle, Fender, and Deck Joint Rehabilitation Includes Non-TBSRP Expenses for EA 0438U_ and 04157_								
	2 San Mateo-Hayward Bridge Widening includes EAs 00305_,04501_,04503_,04504_,04 504_,04505_,04506_,04507_,04508_,04509_,27740_,27790_,04860_								



Appendix D: Progress Diagrams Yerba Buena Island Transition Structures



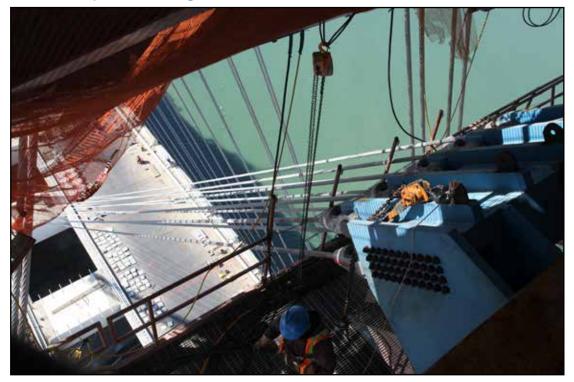
Appendix D: Progress Diagrams (cont.) Dumbarton Bridge







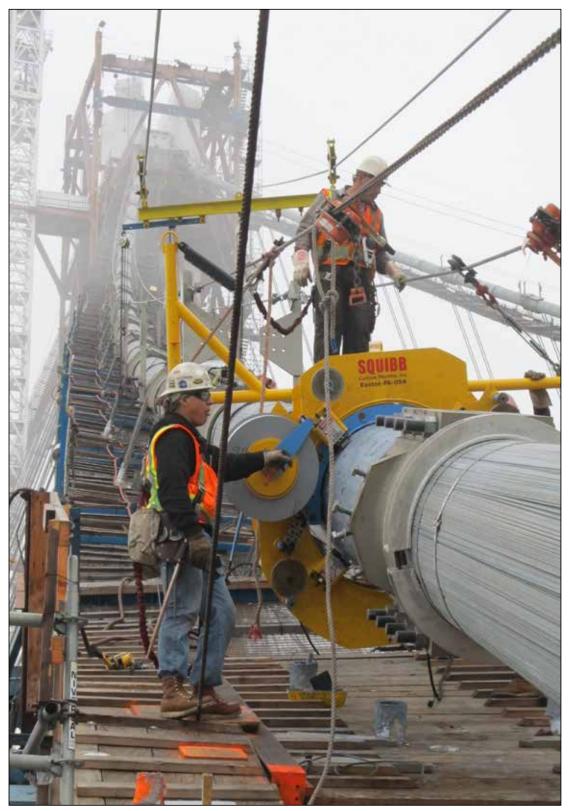
Appendix E: Project Progress Photographs Self-Anchored Suspension Bridge Field Work



Self-Anchored Suspension Bridge Tower Tie-Back Cables



Self-Anchored Suspension Bridge Iron Workers Removing the Tie-Back Cables



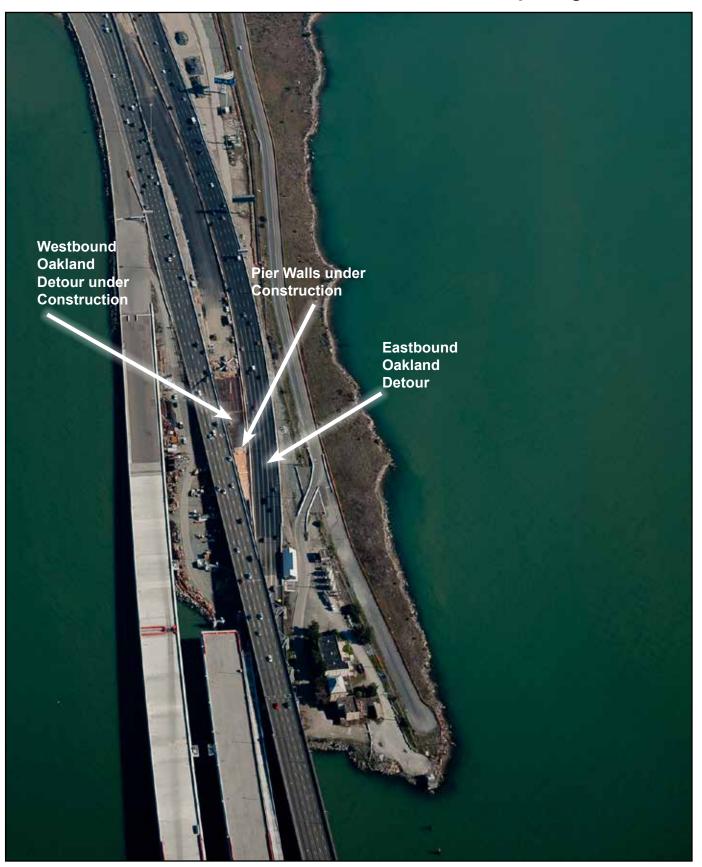
Self-Anchored Suspension Bridge Iron Workers Installing the Cable Wrapping Machine on the North Back Span Cable





Appendix E: Project Progress Photographs Westbound Oakland Detour

Before Opening to Traffic



After Opening to Traffic



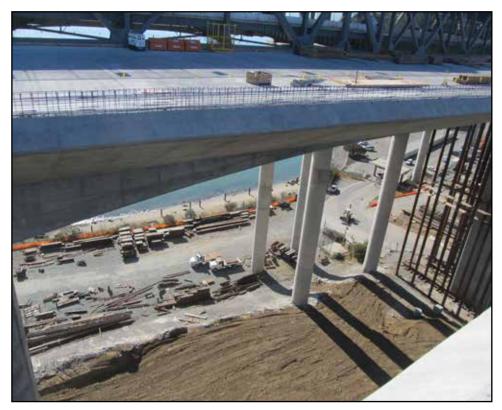
Westbound Oakland Detour Construction Progress

Appendix E: Project Progress Photographs

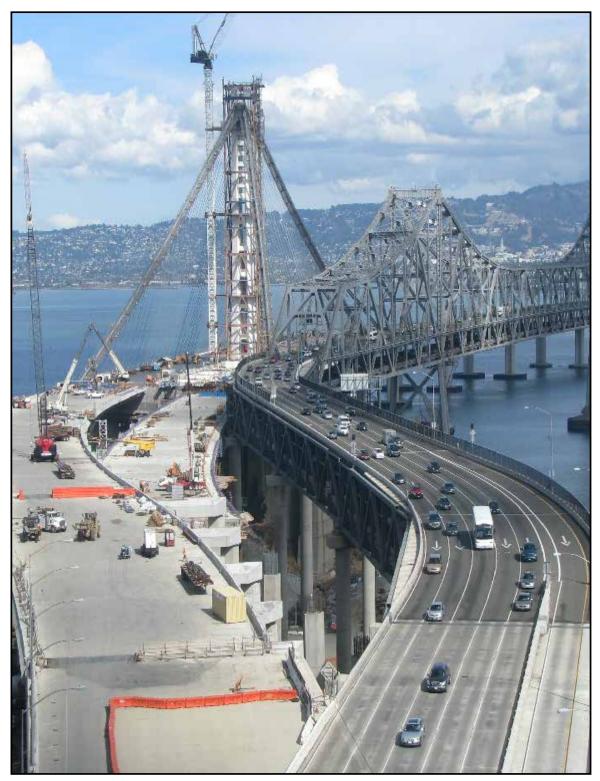
Yerba Buena Island Transition Structure #1 Westbound



YBITS #1 Eastbound Deck Concrete Placement Completed



YBITS #1 Eastbound Falsework Removed to Column 4



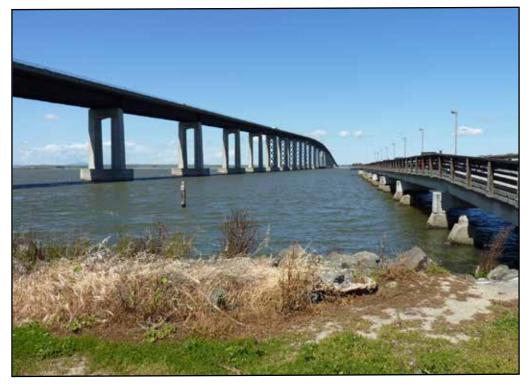
YBITS #1 Eastbound and Completed Westbound Roadway Deck Concrete Placement

Appendix E: Project Progress Photographs

Antioch Bridge



Antioch Bridge - Pier 41 Girders on Temporary Jacks prior to Installation of Isolation Bearings



Antioch Bridge - Welding of Jacking Stiffeners at Existing Girder Web

Appendix E: Project Progress Photographs Dumbarton Bridge



Dumbarton Bridge - Ravenswood Pier Staging for Footing Overlay Work



Dumbarton Bridge - Pier 26 Footing Overlay - All Footing Overlay Completed Except Piers 23 & 24

Appendix F: Glossary of Terms

Glossary of Terms

AB 144/SB 66 BUDGET: The planned allocation of resources for the Toll Bridge Seismic Retrofit Program, or subordinate projects or contracts, as provided in Assembly Bill 144 and Senate Bill 66, signed into law by Governor Schwarzenegger on July 18, 2005 and September 29, 2005, respectively.

AB 144/SB 66 PROJECT COMPLETE BASELINE: The planned completion date for the Toll Bridge Seismic Retrofit Program or subordinate projects or contracts.

APPROVED CHANGES: For cost, changes to the AB 144/SB 66 Budget or BATA Budget as approved by the Bay Area Toll Authority Commission. For schedule, changes to the AB 144/SB 66 Project Complete Baseline approved by the Toll Bridge Program Oversight Committee, or changes to the BATA Project Complete Baseline approved by the Bay Area Toll Authority Commission.

AT COMPLETION VARIANCE or VARIANCE (cost): The mathematical difference between the Cost Forecast and the Current Approved Budget.

BATA BUDGET: The planned allocation of resources for the Regional Measure 1 Program, or subordinate projects or contracts as authorized by the Bay Area Toll Authority as of June 2005.

BATA PROJECT COMPLETE BASELINE: The planned completion date for the Regional Measure 1 Program or subordinate projects or contracts.

COST FORECAST: The current forecast of all of the costs that are projected to be expended so as to complete the given scope of the program, project, or contract.

COST TO DATE: The actual expenditures incurred by the program, project or contract as of the month and year shown.

CURRENT APPROVED BUDGET: The sum of the AB 144/SB 66 Budget or BATA Budget and Approved Changes.

HINGE PIPE BEAMS: Pipes between roadway sections designed to move within their sleeves during expansion or contraction of the decks during minor events, such as changes in temperature. The beams are designed to absorb the energy of an earthquake by deforming in their middle or "fuse" section. Hinge pipe beams are also found at the western piers where the SAS connects to the YBITS (Hinge "K" pipe beams).

PROJECT COMPLETE CURRENT APPROVED SCHEDULE: The sum of the AB 144/SB 66 Project Complete Baseline or BATA Project Complete Baseline and Approved Changes.

PROJECT COMPLETE SCHEDULE FORECAST: The current projected date for the completion of the program, project, or contract.

SCHEDULE VARIANCE or VARIANCE (schedule): The mathematical difference expressed in months between the Project Complete Schedule Forecast and the Project Complete Current Approved Schedule.

% COMPLETE: % Complete is based on an evaluation of progress on the project, expenditures to date, and schedule.



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The information in this report is provided in accordance with California Government code Section 755. This document is one of a series of reports prepared for the Bay Area Toll Authority (BATA)/Metropolitan Transportation Commission (MTC) for the Toll Bridge Seismic Retrofit and Regional Measure 1 Programs. The contract value for the monitoring efforts, technical analysis, and field site works that contribute to these reports, as well as the report preparation and production is \$1,574,873.73.





