

Toll Bridge Seismic Retrofit Program

CTC Update

August 18, 2005

Will Kempton
Director

California Department of Transportation

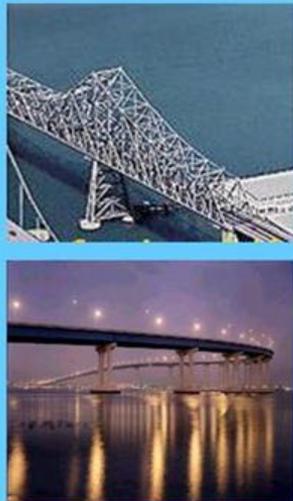
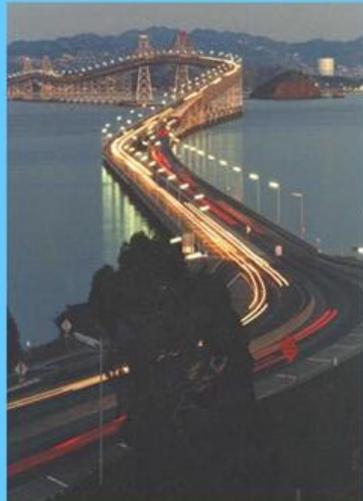


Toll Bridge Seismic Retrofit Program Report

Second Quarter Report

Ending June 30, 2005

California Department of Transportation

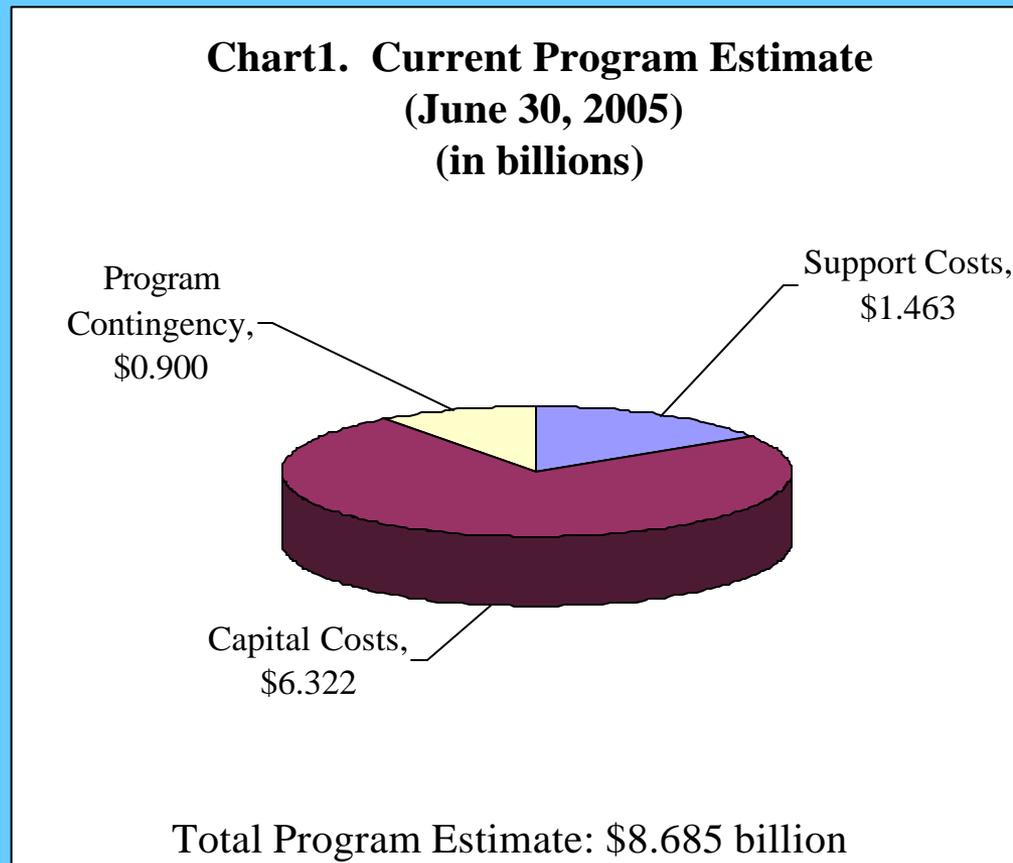


Toll Bridge Seismic Retrofit Program

- Seismic retrofit of five toll bridges is complete.
- These bridges were more than \$48 million below AB 1171 budget.
- Work continues on the I-580 Richmond-San Rafael Bridge and the I-80 San Francisco – Oakland Bay Bridge (SFOBB).
- Decision to build the Self-Anchored Suspension was announced on June 24, 2005.
- Assembly Bill 144 was signed into law on July 18, 2005.

Bridge Retrofit Complete	AB1171 (million)	Second Quarter 2005	Savings (million)
Benicia - Martinez	\$190	\$178	\$12
Carquinez	\$125	\$114	\$11
San Diego - Coronado	\$105	\$104	\$1
Vincent Thomas	\$62	\$59	\$3
San Mateo - Hayward	\$190	\$164	\$26
Total	\$672	\$618	\$54

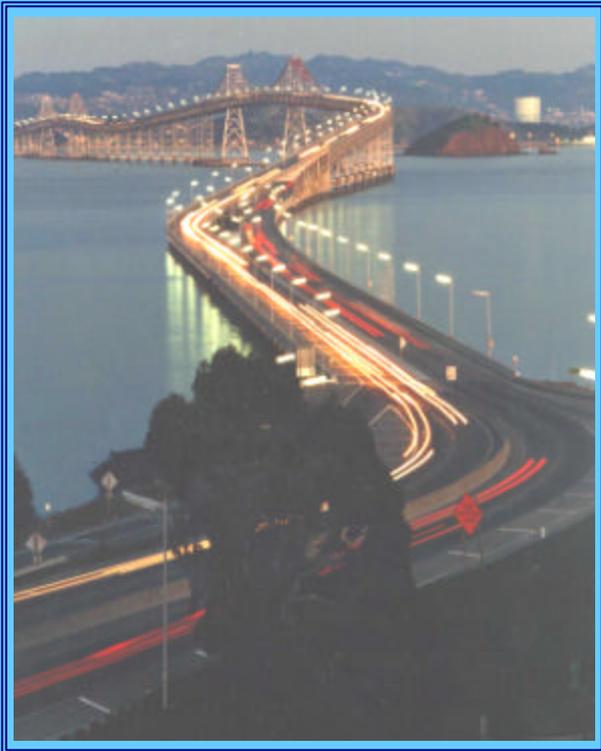
Toll Bridge Seismic Retrofit Program Program Estimate



Richmond-San Rafael Bridge

Project	AB 1171 Budget (\$ million)	August 2004 Estimate (\$ million)	Difference (\$ million)
Capital Outlay Support	95	134	39
Capital Outlay	570	780	210
Total	665	914	249

Funds	(\$ million)
Toll Bridge Seismic Retrofit	914
SHOPP - Trestle Replacement	58
BATA - Joint Repair	55
Total	1,027



- Construction is more than 98% complete.
- Seismic Retrofit of Richmond-San Rafael Bridge was completed on July 29, 2005.
- Contract completion is expected in August 2005.
- All projections indicate the project will closeout under the \$914 million.

San Francisco-Oakland Bay Bridge West Span/West Approach

- **West Span**

- Construction was complete on June 25, 2004.
- Project costs are within the August 2004 estimate.

- **West Approach**

- More than 51% complete and on track to complete in 2009.
- Final cost is projected to be within the August 2004 estimate.
- Summer 2005 public awareness campaign planned.

Bridge	AB 1171 Budget (million)			Current Estimate (million)		
	CO	COS	Total	CO	COS	Total
SFOBB West Span	\$237.0	\$68.0	\$305.0	\$232.9	\$75.0	\$307.9
SFOBB West Approach	\$309.0	\$86.0	\$395.0	\$309.0	\$120.0	\$429.0

San Francisco-Oakland Bay Bridge East Span



San Francisco-Oakland Bay Bridge East Span



- **Skyway**

- Construction is over 75% complete.
- Current construction contract allotment is \$1,176.5 million.
- August 2004 estimate of \$1,293 million is based on cost review with Bechtel. Budget for potential claims is included.



- **South/South Detour**

- Construction is over 26% complete and the suspension of field work was lifted as of April 1, 2005, with the exception of portions of the East and West Tie-in operations.

San Francisco-Oakland Bay Bridge East Span



- **Marine Foundations E2/T1**

- Termination of the contract was initiated on January 5, 2005. However, the termination process was suspended as of March 14, 2005. The contract was restarted on July 29, 2005



- **YBI Electrical Substation**

- All viaduct retrofit work is complete. The substation is complete and energized. The existing bridge is now powered from the new substation and the old substation has been removed.

San Francisco-Oakland Bay Bridge East Span Contracts

	Contract Descriptions	Construction Start	Completion Date	Percent Complete
1	East Span Seismic Retrofit	09/07/95	10/02/97	Complete
2	Interim Retrofit	02/06/98	07/12/00	Complete
3	East Span Skyway	02/06/02	04/15/07	75%
4	East Span SAS Superstructure*			
	East Span SAS- Foundations:			
5	W2 Land Foundation	06/21/03	10/20/04	Complete
6	E2/T1 Marine Foundations**	04/22/04		
7	YBI/SAS (Archeology)	06/14/02	01/10/03	Complete
8	YBI - US Coast Guard Road Relocation	08/13/03	06/22/04	Complete
9	YBI - Electrical Substation & Viaduct Retrofit	04/30/04	05/31/05	Complete
10	South/South Detour	04/09/04	05/24/06	26%
11	YBI Transition Structure			Design 80% (SAS) 50% (Skyway Ext.)
12	Oakland Touchdown			Design Complete
13	Oakland Touchdown Geofill	01/14/02	04/07/03	Complete
14	Pile Installation Demonstration	07/12/00	12/18/00	Complete
15	Existing Bridge Demolition			Design 10%
16	Stormwater Treatment Measures	3/24/06	03/24/08	Design 90% Complete

Notes: * The contract was advertised on August 1, 2005.

** Termination of the contract was initiated on January 5, 2005, the termination process was suspended as of March 14, 2005. The contract has been restarted on July 29, 2005.

Risk Management Implementation

- Risk Management Coordinators.
- Risk Identification.
- Risk Response and Mitigation.
- Qualitative Analysis.
- Quantitative Analysis.
- Incorporation of Risks into Cost and Schedule Forecasts.

Sensitivity for SAS Capital Outlay

