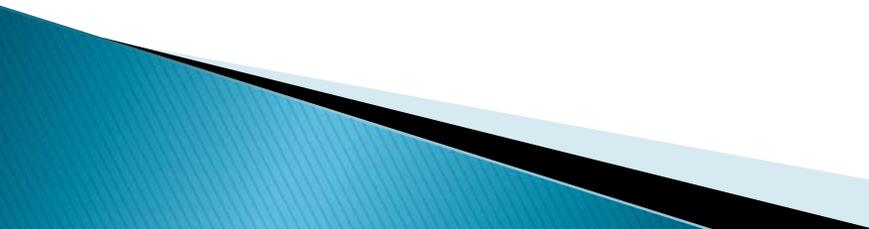


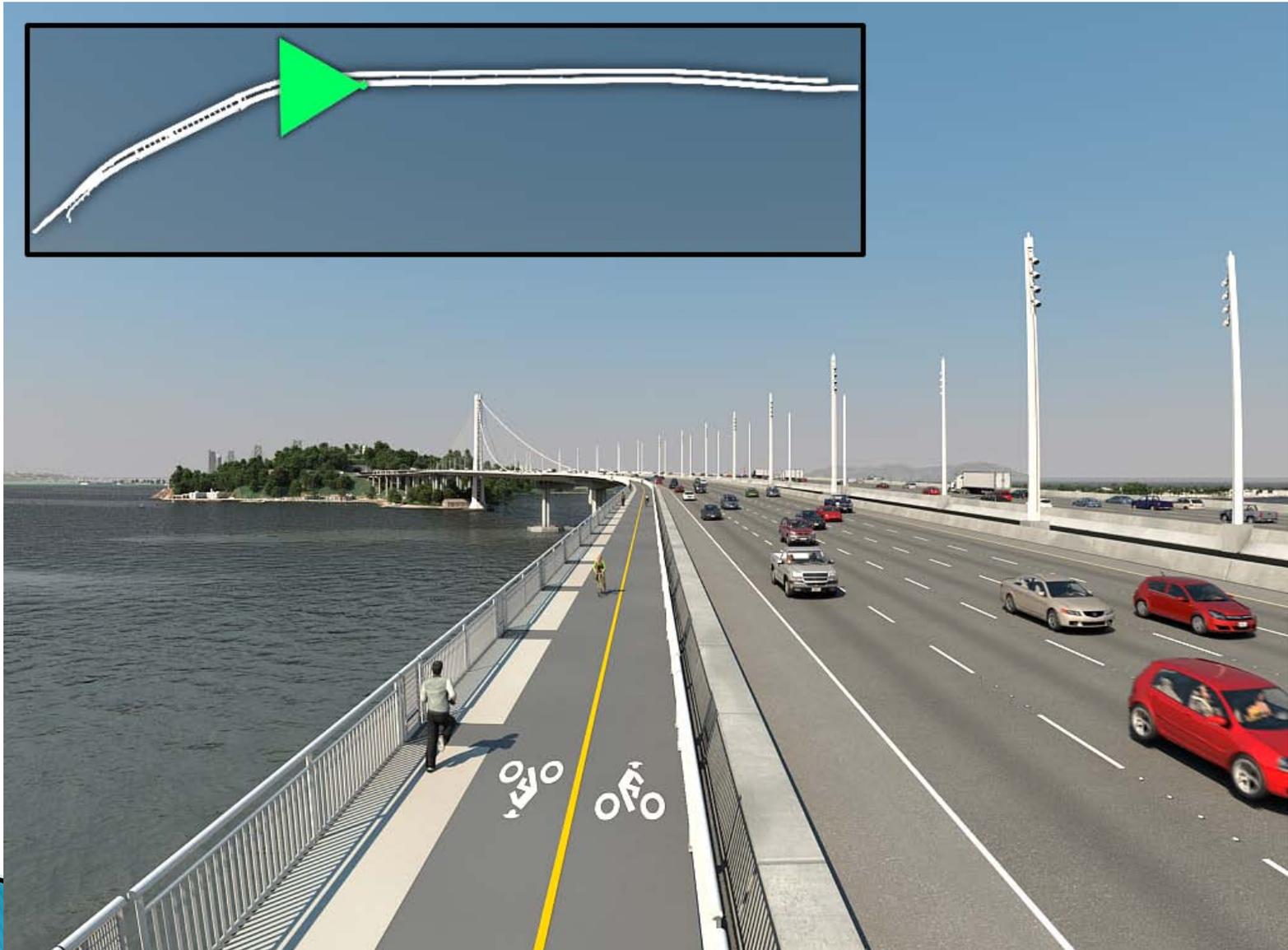
SFOBB **Proposed** BASE System

January 23, 2013

Existing Bay Area Security Enhancement (BASE) System

- ▶ Covers Critical Infrastructure
 - ▶ \$20M Emergency Project about 10 years ago
 - ▶ Requires upgrades
 - ▶ Limited future growth adaptability
 - ▶ CHP Monitors at TMC in Oakland
- 

Proposed East Span BASE System



Proposed East Span BASE System

- ▶ Fiber and Wireless Communications
- ▶ Advanced Software
- ▶ State-of-the-Art Security Cameras
- ▶ In widespread use on sensitive facilities
- ▶ Comparable to Golden Gate Bridge & other major structures
- ▶ Can be used for Traffic Management



Added Benefit to Entire BASE System

- ▶ Compatible with existing hardware on other bridges
 - ▶ Provides opportunity for upgrades on other structures as hardware is replaced
 - ▶ Secure communications system that integrates and secures transmissions to and from all bridges
 - ▶ East Span system cost provides benefits to entire system at no additional cost
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BASE Cost Breakdown

Item Description	Cost
System Backbone and Monitoring Room*	\$5,944,000
Furnish & Install System (Superstructure)	\$7,208,000
Furnish & Install System (Substructure)	\$7,840,000
20% Contingency	\$5,248,000
Total Estimated Cost	\$26,240,000

* Backbone Investment Benefits All Bay Area Toll Bridges

Purpose of Traffic Management System (TMS)

- ▶ Monitor Freeway Congestion
- ▶ Monitor High Occupancy Vehicle (HOV) Lanes
- ▶ Manage Traffic Flow
- ▶ Provide Information to Motorists

TMS manages the statewide transportation system to reduce congestion and provide for the safe movement of people, goods, and information.

Proposed TMS Cameras

- ▶ 10 CCTV Cameras on New Bridge
- ▶ Hard Wired System
- ▶ Normal Resolution
- ▶ 24/7 Caltrans Monitoring at TMC – Oakland



BATA Staff Recommendations

- Approve request for BASE Upgrade on East Span Bridge
- Research BATA responsibilities for security matters
- Open dialogue on BASE/TMS co-use and staff resourcing of TMC
- Work with CT/CHP to update Toll Bridge Rehabilitation Program for future upgrade of BASE system on other bridges
- Explore other funding options, including Homeland Security Grant funding