

Toll Bridge Asset Management Update

January 10, 2024



Since 1998, BATA and Caltrans have uniquely joint-ventured on the bridges

Statutory roles:

- Caltrans: Owns, operates, maintains, and manages rehabilitation of the bridges, including toll facilities
- BATA: Budgets and reimburses Caltrans' work and administers the toll revenue including budget and financing action

Since Spring 2021, the agencies have been jointly pursuing Asset Management



Enhanced asset management timeline

BATA Recovery Action Plan (June 2021)



New Resources

1. Added 1 dedicated BATA FTE
2. Engaged ISO expert via contract
3. Defined Caltrans and BATA work scope



Complete Plans

1. Continue efforts to align with ISO 55001
2. Complete Asset Management Plan for all bridges by end of 2025



Engage

1. Completed ISO 55001 High Level Diagnostic
2. Partnered with Caltrans on Asset Management Plan for two bridges



Perform & Continuous Improvement

Caltrans and BATA performance of state of good repair strategy, monitoring and updating asset management plans as needed and in alignment with ISO 55001

Asset management leadership

Adopting Policy & Objectives

- We share with Caltrans responsibility for the bridges
- The financial viability of the bridge system depends on maintaining the asset
- BATA supports toll bridge asset management
- We are aligning with ISO 55001



PHOTO: MARK JONES

In good company

Transportation agencies are choosing to align with ISO 55001 rather than pursue certification:

- **Industry** Alignment is more prevalent, including US DOTs and tolling agencies
- **Timing** Certification is a natural progression for mature programs
- **Atypical Governance** CT and BATA jointly steward the toll bridges, the dual leadership will require additional clarification for certification



Asset management policy & objectives

BATA Toll Bridge Asset Management Principles



**Focusing on
People & Safety**

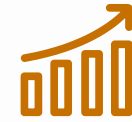
Customers, Partner Agencies & Staff



**Addressing
Life Cycle Cost**



**Adopting a Quantifiable
Approach**



**Promoting Sustainability &
Ongoing Enhancement**

BATA Toll Bridge Asset Management Objectives



**Support
Caltrans
Capital &
O&M Efforts**



**Maintain
Desired Asset
Condition**



**Improve
Funding
Effectiveness**



**Increase
Engagement**



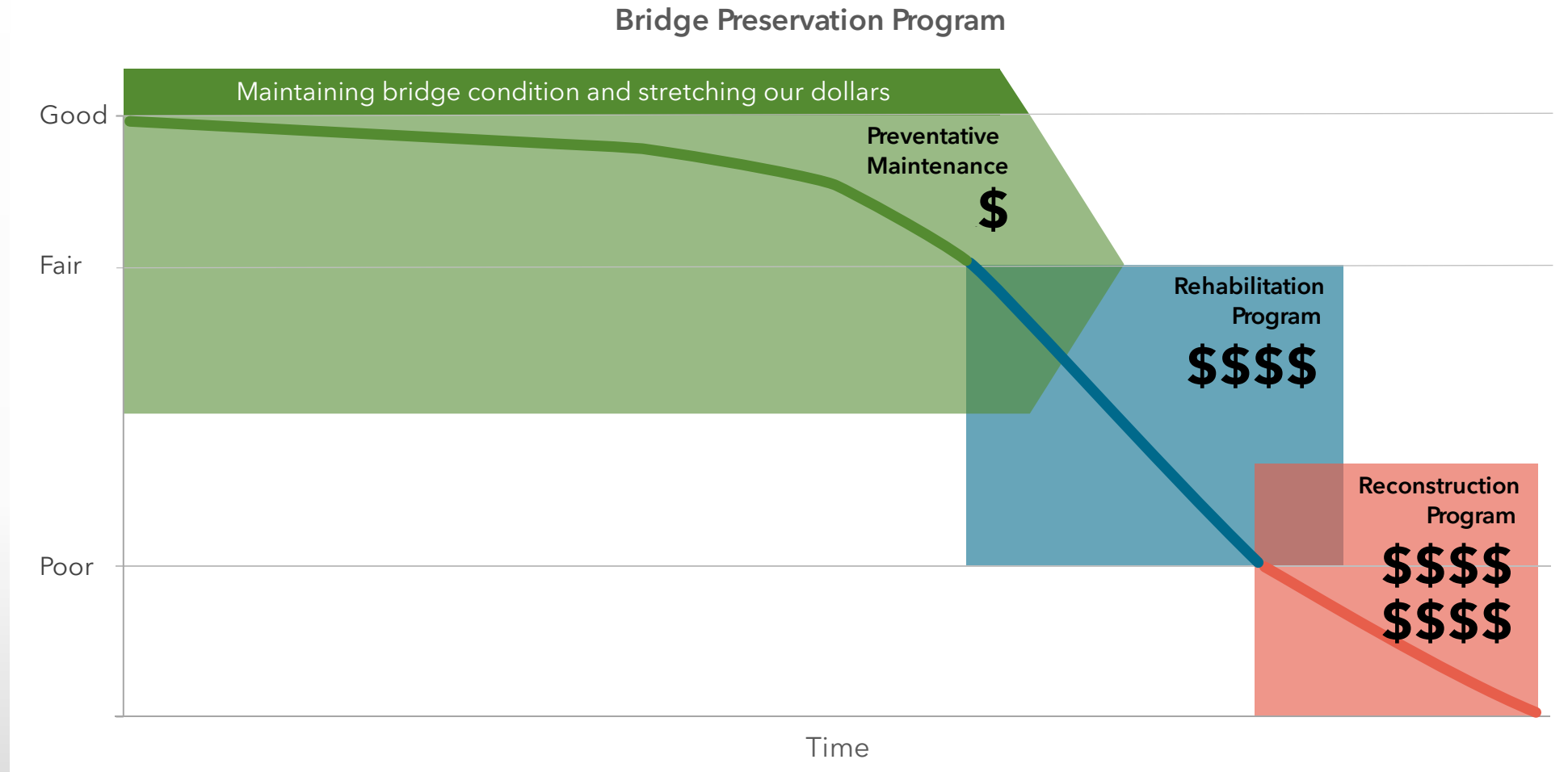
**Strengthen
Asset
Management
Program**

BATA/Caltrans Toll Bridge Asset Management Plans Update

Life Cycle Cost Analysis of a Bridge

Defer costly repairs for lower life cycle cost

Bridge preservation maximizes our dollars

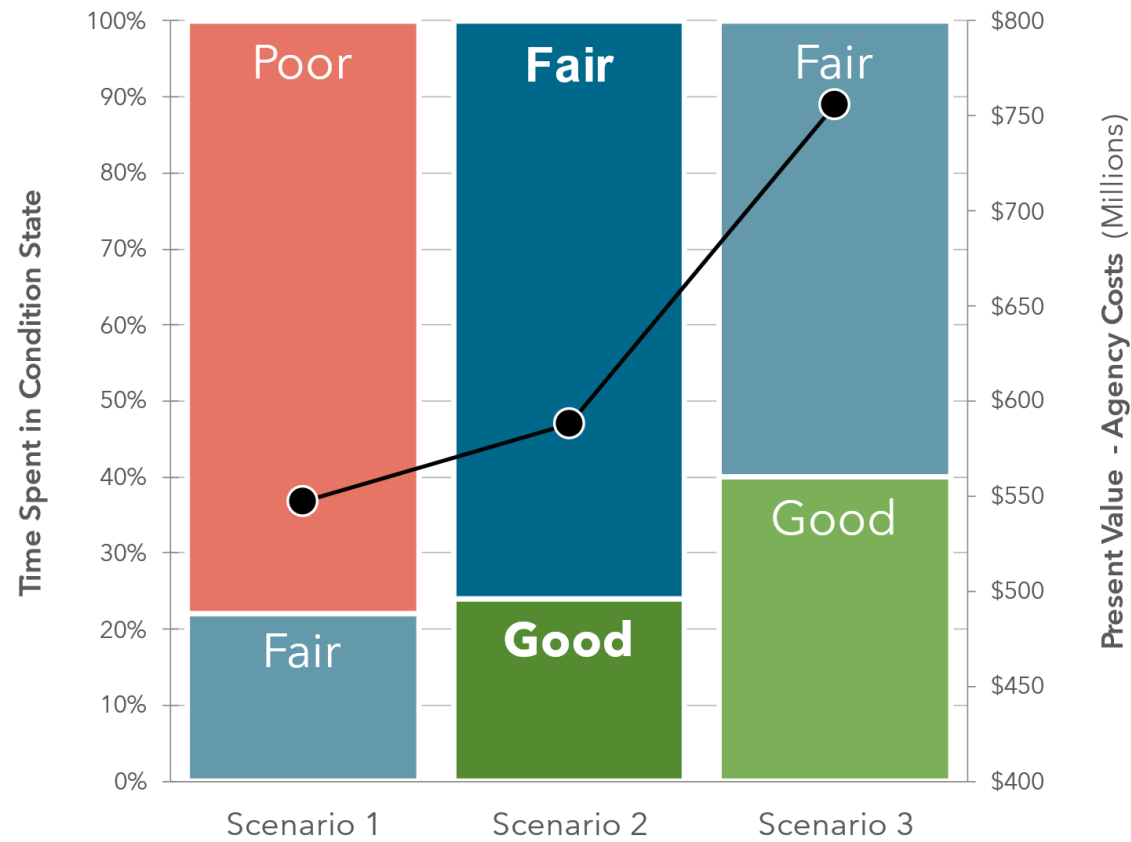


Adapted from Source: U.S. Department of Transportation Federal Highway Administration, "[Bridge Preservation Guide](#)."

Sample Life Cycle Analysis results for a bridge

Establishing Toll Bridge Scenarios to Target Cost-Effective Strategies

Scenario planning for a sample bridge



- **Scenario 1 Spot Repair:**
Fix bridge elements before they fall into very poor conditions
- **Scenario 2 Reduce Backlog:**
Fix bridge elements as needed to sustain fair condition
- **Scenario 3 Accelerate Rehab:**
Fix bridge elements as needed to increase time in good condition

Next steps

- Today, recommend BATA Approval of Policy & Objectives
- Return next year on BATA/CT Toll Bridge Asset Management Plans Progress

San Mateo-Hayward Bridge
Repairs Underway