

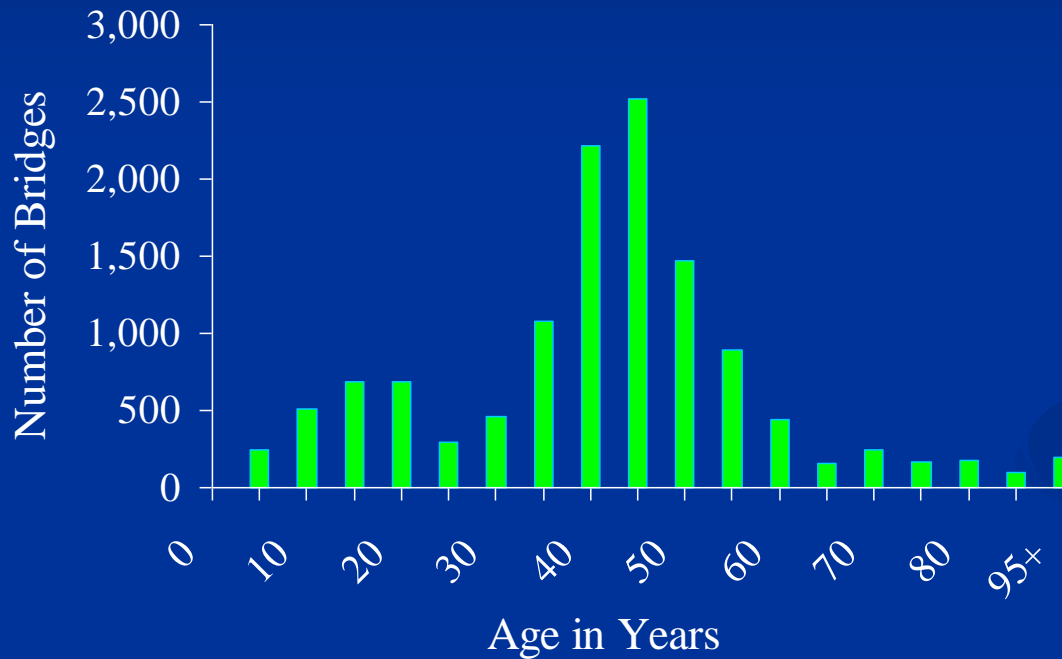


Bridge Preservation Program



Steve Takigawa
California Department of Transportation
Western Bridge Preservation Partnership Meeting
May 2013

State Bridge Inventory



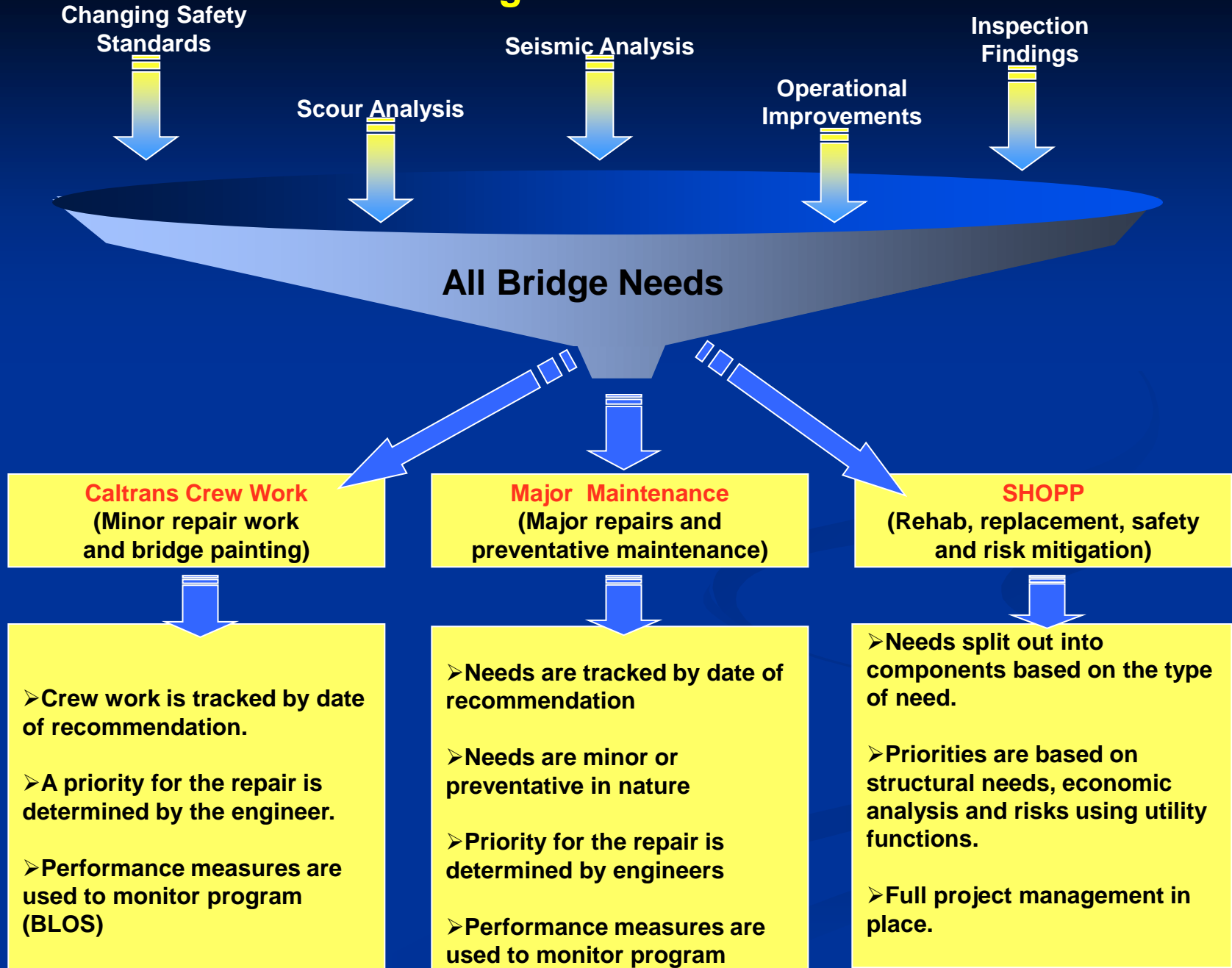
12,924 Bridges

- 223 million square feet
- Median Age of 41 years

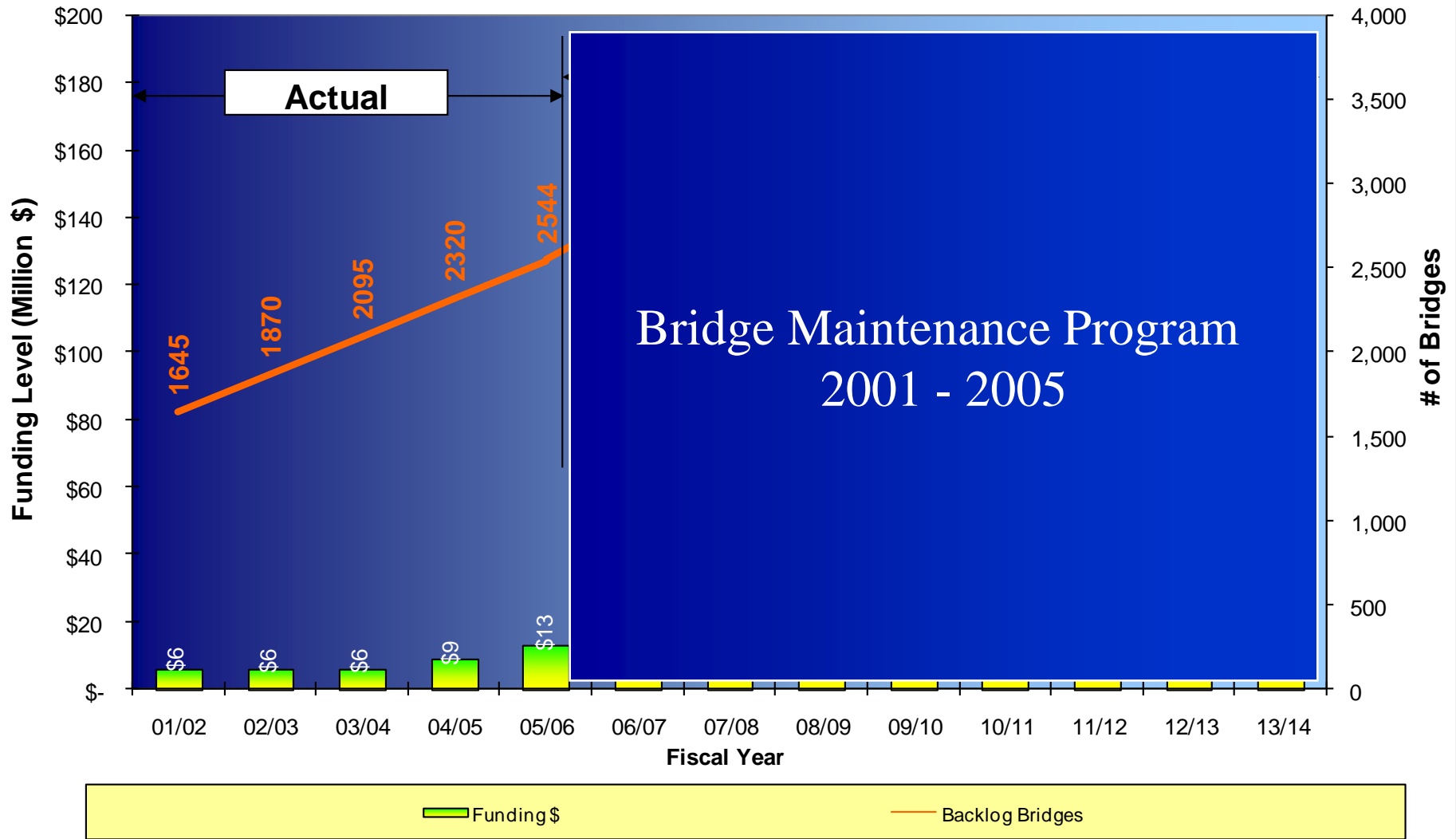
Structure Types

- 89% Concrete
- 7% Steel
- 4% Timber

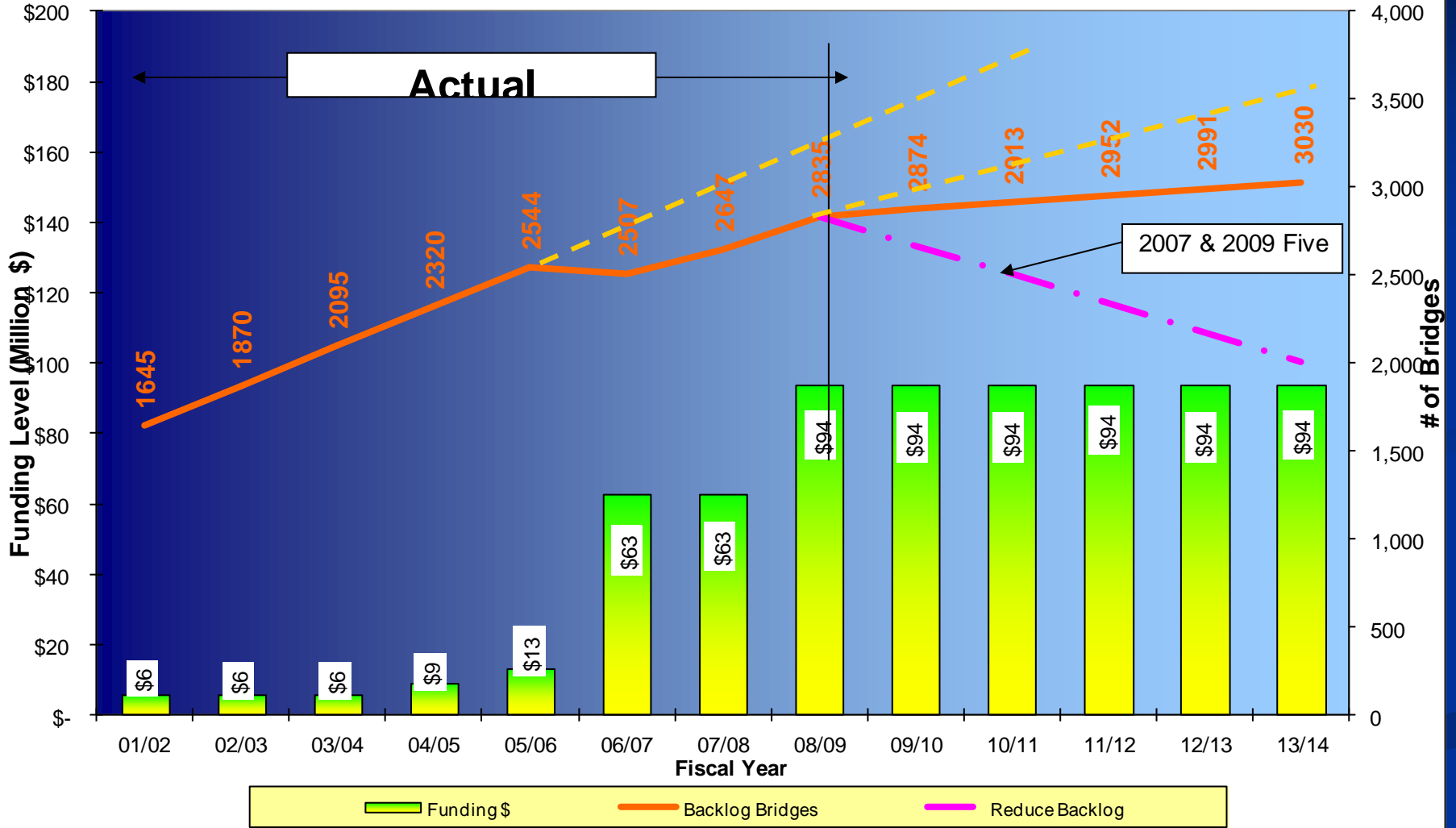
Caltrans Bridge Preservation Process



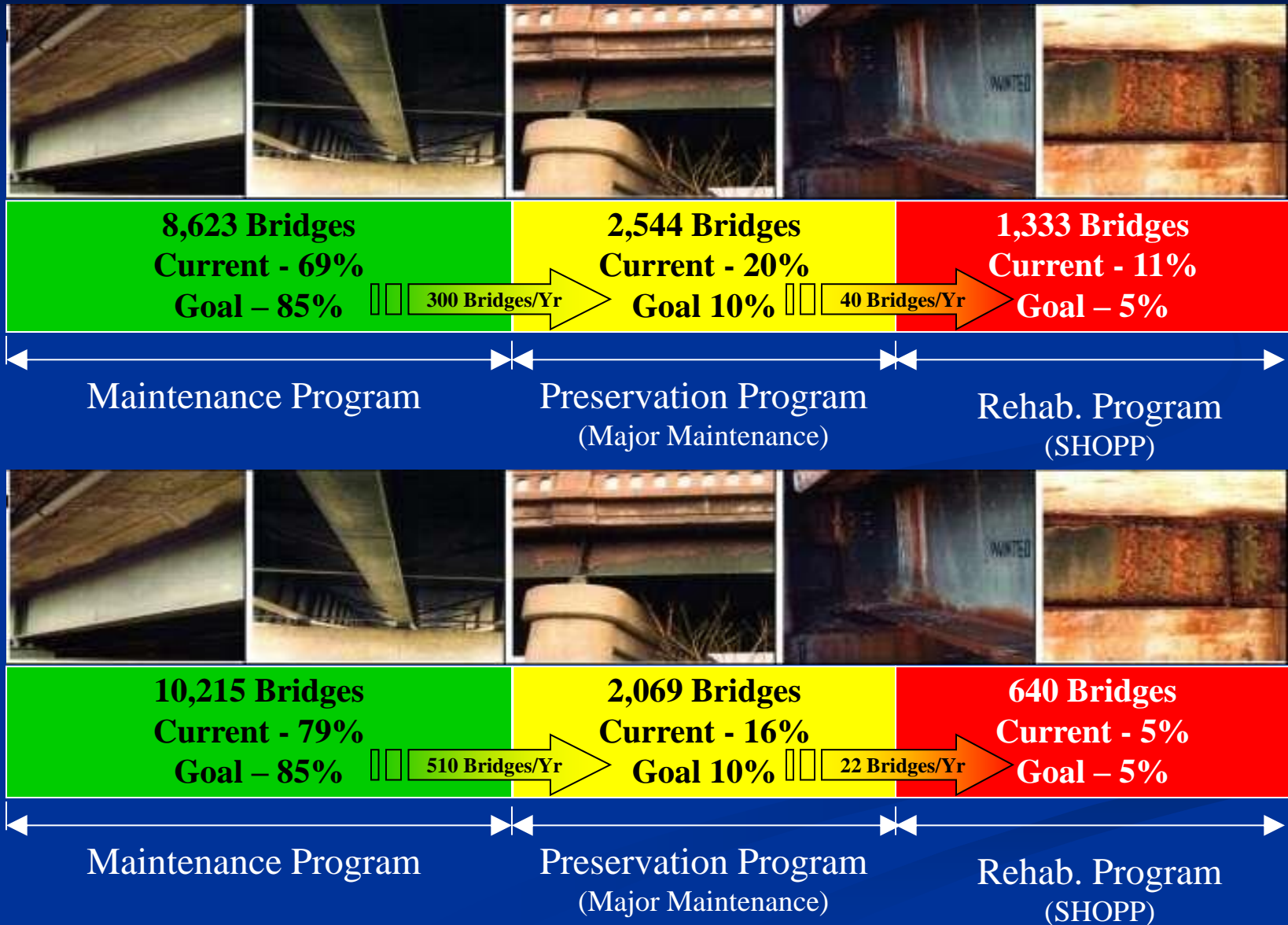
Bridge Maintenance Contract Funding and Backlog



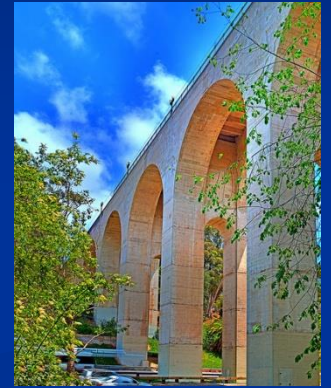
Bridge Maintenance Contract Funding and Backlog



2005 -2012 Bridge Preservation Programs



Cabrillo Bridge Preservation



A Living Example of Preservation

Coronado Bay Bridge



Managed Lanes to Maximize Service Capacity of the Bridge

Pine Valley Creek Bridge



Built to Accommodate Future Demands

Summary

- Three pronged approach to bridge preservation (crews, maintenance/preservation and capital contracts)
- Inflow of preservation needs are increasing but new rehab needs are decreasing.
- Priorities of crew and preservation work is set by inspector as a timeframe for completion of work.
- Capital rehabilitation and replacements compete in a multi-objective utility cost benefit framework.
- Future functional considerations are being built into some bridges in California.
- Simple performance measures help decision makers understand bridge preservation needs.