

MAP-21 Impacts on the California Bridge Program

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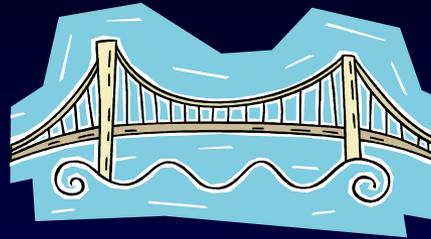
California Department of Transportation

California Transportation Commission Meeting

Sacramento, California

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California's Bridge Inventory



Total Bridges 24,345
310 million sq ft.

- State Owned
 - 12,305 bridges
 - 241 million sq ft deck area
 - Traffic volume 573 million/day
- Local Owned
 - 12,040 bridges
 - 69 million sq ft deck area
 - Traffic volume 82 million/day

Highway Bridge Program

Under SAFETEA-LU



Available Funds
\$540 million/year

- State Bridges

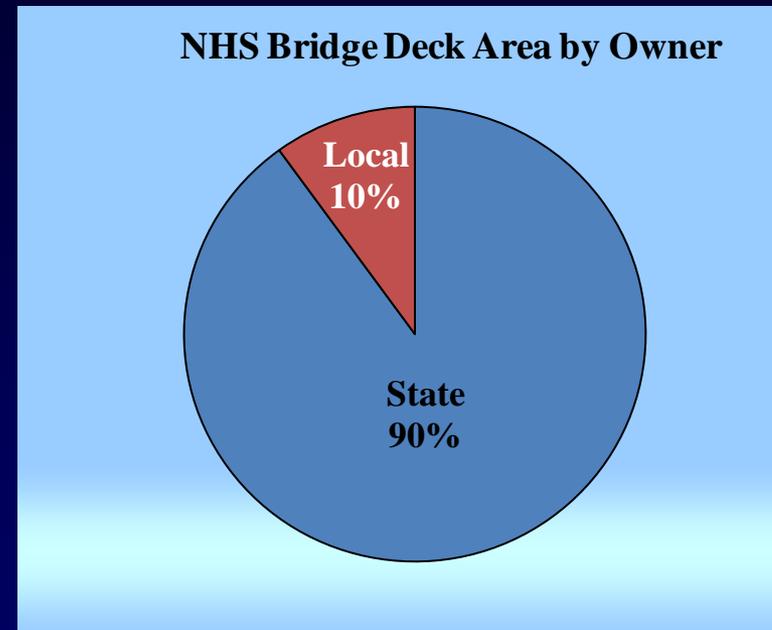
- Managed through the SHOPP
- CTC Approved

- Local Bridges

- Managed through Local Assistance
- In consultation with Local Bridge Advisory Committee

Moving Ahead for Progress in the 21st Century (MAP-21)

- Extended the National Highway System (NHS)
 - NHS now includes principle arterial and higher class roads
 - Over 3000 bridges added to the NHS in California
 - NHS includes bridges owned by State and Local Agencies



Consolidated Funding for Bridges

(MAP-21 Section 1106)

- Highway Bridge Program (HBP) eliminated
- National Highway Performance Program (NHPP) created (IM, NHS, HBP portion)
 - Funds available for the expanded NHS bridges
 - Bridges must compete with other assets for funds
- On federal aid (off NHS) system bridges
 - Could be funded from the STP
- Surface Transportation Program (STP)
 - Set aside funding for bridges off federal aid system only.



Risk Based Performance Management

(MAP-21 Section 1106)

- Requires asset management for the NHS
 - Inventory and condition of all NHS bridges
 - Asset management objectives and measures
 - Performance gap identification
 - Life cycle and risk management analysis
 - A financial plan and investment strategies.
- Over 450 agencies own a portion of the NHS
 - Asset management at the State level is the only practical option.



Risk Based Performance Management

(MAP-21 Section 1106)

- Establishes performance requirements on the NHS
- Performance management requirements must be defined by March 2014 by FHWA.
- Establishes penalties for non-performance
 - Penalized if more than 10% of the bridge deck area is structurally deficient.
 - Currently 14.8% of total area is structurally deficient
 - Loss of funding flexibility for 3 years non-compliance
 - Must use 50% of the allocated 2009 HBP funds on deficient NHS bridges (~ \$270 Million).

MAP-21 Implementation

- NHS Update – Completed November 2012
- NHS Management
 - Analyze bridge needs on the NHS (Completed)
 - Engaging FHWA performance rule making process
 - State Management (Developing options)
- On federal Aid System (non-NHS) Management
 - Evaluating potential approaches
- Funding Distribution
 - Consider needs, route importance, risks, performance



Summary

- National Highway System expanded by 3000+ bridges.
- Highway Bridge Program consolidated into National Highway Performance Program (NHPP) and Surface Transportation Program.
- Risk Based Performance Management (Asset Management) required on the NHS.
- Caltrans is working with our partners to sort out the impacts of these changes.