California Statewide Local Streets & Roads Needs Assessment

2016 Update

Presented to:
Western Regional Association for Pavement Preservation
February 1, 2017
Project Sponsors

• California State Association of Counties (CSAC)
• League of California Cities (League)
• County Engineers Association of California (CEAC)
• Regional Transportation Planning Agencies (RTPA)
• Rural Counties Task Force (RCTF)
Project Objectives

- What are pavement conditions statewide?
- How much will it cost to maintain local roads? Bridges? Essential components?
- What is the funding shortfall?
- What are impacts of different funding scenarios?
- Communicate results to elected officials, the public and the media!
Local Roads Are A Huge Part of California’s Network

More than 81% of California’s roads are owned by cities & counties!
Responses by Miles

- Total 462 responses
  - 68 (from previous surveys)
  - 15 new agencies
- Covers 99.7% miles!
- 9 have no responses
  - All have pop < 50,000
  - 8 have < 100 miles
Pavements
Average Statewide PCI

- Excellent: 85
- Good: 70
- At Risk: 65 (2016)

 PCI values:
- 2016: 65
- 2012/2014: 66
- 2008: 68

Images:
- Excellent: Clear road
- Good: Typical road
- At Risk: Rough road
- Poor to Failed: Damaged road
PCI of 65 looks like this ...
Average PCI by County

Special Note
Riverside, San Bernardino and Ventura’s PCI is 70.8
Total Pavement Needs = $70 billion over 10 years
Pavement Needs
$70 B
Percent of Pavement Needs Met (10-Years)

- Greater than 80%
- 60% - 80%
- 40% - 60%
- 20% - 40%
- Less than 20%

2016
Essential Components
Essential Components Include:

They add up ... approximately 30% of total needs!
Essential Component Needs
$32.1 B

2016
Local Bridges
How Many Local Bridges?

12,501 NBI bridges
4,000 non-NBI bridges
Age Distribution of NBI Bridges

Almost half are more than 50 years old!
Sufficiency Rating – All NBI Bridges

- 1,448 are structurally deficient
- 1,930 functionally obsolete
- 829 require replacement
- 1,834 require rehabilitation

Avg SR = 81
Bridge Needs $4.6 B
Total Needs
(Pavements, Essential Components, Bridges)
$106.7 B
Funding Analysis
Funding Trends

More reliance on local funding, less on state. Federal is stable at 10%
Existing Funding: $1.98 B/year
The percent of failed roads will increase from 6.9% to 22.2% by 2026 under current funding.
Maintain PCI = 65: $3.5 B/year
Achieve BMP in 10 years: $7 B/year
$2.5 B/year to maintain
Summary

<table>
<thead>
<tr>
<th>Transportation Asset</th>
<th>10 Year Needs</th>
<th>Funding</th>
<th>Shortfall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pavement</td>
<td>$70.0</td>
<td>$19.8</td>
<td>$(50.2)</td>
</tr>
<tr>
<td>Essential Components</td>
<td>$32.1</td>
<td>$11.0</td>
<td>$(21.1)</td>
</tr>
<tr>
<td>Bridges</td>
<td>$4.6</td>
<td>$2.9</td>
<td>$(1.7)</td>
</tr>
<tr>
<td>Totals</td>
<td>$106.7</td>
<td>$33.7</td>
<td>$(73.0)</td>
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</tbody>
</table>

For the average driver, this is an additional 67 cents a day
November 22, 2016

Dear valued stakeholder:

Thank you for your work and advocacy on behalf of the people of California to fix our roads. While there will not be a lame-duck session of the Legislature to approve a transportation funding deal in 2016, our work on this critical issue continues.

The Administration, Assembly and Senate are all committed to tackling this issue early in the new year to address our critical infrastructure and transportation needs – and we’ll need your continued support.

Let’s get it done!

Governor Edmund G. Brown Jr.

Senate President pro Tempore Kevin de León

Assembly Speaker Anthony Rendon
Legislative Proposals

• Governor’s Budget Proposal: $1.148 B

  ➢ Would bring total funding for Local Streets & Roads to $3.128 Billion.

  ➢ While helpful the statewide average PCI would continue to deteriorate at this level of funding and the backlog in unmet needs would continue to grow.

  ➢ Funded in part by –

    ➢ $2.1 billion in Road Improvement Charge on all vehicles

    ➢ $1.1 billion from eliminating the annual adjustments to the gasoline tax and resetting to the FY 2013-14 rate of 21.5 ¢
Legislative Proposals

• Legislative Proposals (AB-1 & SB-1): $2.2B
  ➢ Would bring total funding for Local Streets & Roads to $4.208 Billion.
  ➢ Over next 10 years the statewide PCI would improve and the unmet needs backlog would shrink.
  ➢ Funded in part by –
    ➢ $1.8 billion from 12 cent increase in gasoline excise tax
    ➢ $1.3 billion from $38 increase to Vehicle Registration fees
    ➢ $1.1 billion from resetting price based tax on gasoline to 17.3 cents (its original rate).
<table>
<thead>
<tr>
<th>Scenarios</th>
<th>2016 PCI</th>
<th>2026 PCI</th>
<th>2026 Deferred Maintenance ($B)</th>
<th>% Good</th>
<th>% Fair</th>
<th>% Poor</th>
<th>% Failed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Existing ($1.98B/year)</td>
<td></td>
<td>56</td>
<td>$58.9</td>
<td>47.0</td>
<td>18.8</td>
<td>12.0</td>
<td>22.2</td>
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<td>2. Existing + $1.14B ($3.12B/year)</td>
<td></td>
<td>62</td>
<td>$46.8</td>
<td>67.0</td>
<td>3.4</td>
<td>8.2</td>
<td>21.4</td>
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<tr>
<td>3. Existing + $2.22B ($4.20B/year)</td>
<td></td>
<td>69</td>
<td>$35.3</td>
<td>80.5</td>
<td>0.0</td>
<td>0.9</td>
<td>18.6</td>
</tr>
</tbody>
</table>
Funding Level ($3.12 B/Year)

Year | Backlog ($Billions) | Pavement Condition Index (PCI) |
--- | --- | --- |
2017 | $37.8 | 66 |
2018 | $41.2 | 65 |
2019 | $44.2 | 65 |
2020 | $45.2 | 64 |
2021 | $45.9 | 64 |
2022 | $45.8 | 64 |
2023 | $46.3 | 63 |
2024 | $44.9 | 63 |
2025 | $45.4 | 63 |
2026 | $45.8 | 62 |
Gas Tax Compared to Other Services

- **Cable TV**: $960/year
- **Cell phone**: $852/year
- **Coffee Habit**: $720/year
- **Internet**: $564/year
- **Gas taxes**: $350/year

*Concept from: Caltrans Division of Budgets*
Wrap Up
Findings

• Local road network is deteriorating, and with no additional funding by 2026:
  • Average PCI will deteriorate from 65 to 56
  • Unfunded backlog will grow by $20 billion in just 10-years
  • Almost a quarter of roads will be in failed condition
  • Similar conclusions for bridges, safety and other essential transportation components
Conclusions

• Californians and our economy rely on the local transportation system

• New sustainable sources of revenues must be created that are focused on preservation of existing local road network

• Legislature is considering two bills – SB-1 and AB-1. Support is needed.
How to Support

• Join the coalition: www.fixcaroads.com/coalition-list

• Write or call your state legislator(s): http://www.legislature.ca.gov/legislators_and_districts/legislators/your_legislator.html
  • Tell them about the impacts of dwindling gas tax revenues on your industry and jobs.
  • Tell them the impacts of increasing transportation revenue on jobs.
  • Tell them about the cost savings that can come from effective pavement preservation
How to Support

Support SB 1 and/or AB 1

• SB 1: Write to Senator Jim Beall, State Capitol, Room 2082, Sacramento, CA 95814-4900

• AB 1: Write to Assembly Member Jim Frazier, P.O. Box 942849, Sacramento, CA 94249-0011