

Caltrans BRACE2 — California's AI-Assisted Bridge Health Monitoring Platform Replacing Time-Based Inspections

AI in the Public Sector · Good practice · United States of America

Quality score: 60/100

Evidence strength: Moderate

Summary

Caltrans adopted UC Berkeley's BRACE2 platform to stream real-time sensor data from 22 California bridges, letting engineers replace routine time-based inspections with condition-based assessments at under \$20 a month in hosting costs.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	2/3
Transferability / demonstrated replication	1/3
Scalability beyond pilot	2/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-20

[California Department of Transportation \(Caltrans\) & UC Berkeley STAIRLab](#) — accessed 2026-08-20

[Caltrans — BRACE2 Research Results \(PDF\)](#) — accessed 2026-08-20

[UC Berkeley STAIRLab — BRACE2](#) — accessed 2026-08-20

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