



Reimagining Highway Investments/ Carbon Reduction Program

IIJA Implementation, Subgroup Kickoff Meeting #1

April 11, 2022

11:00 – 12:00 PM

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Welcome & Session Overview

AGENDA

- Welcome & Participation
- Caltrans Highway Investments Approach
- IIJA Bill Provisions
- Survey Results
- Next Steps

Ground Rules



One conversation at a time



Use 'Chat' feature as Parking lot for other topics



Webcam when possible



'Raise Hand' and participate, participate, participate

Caltrans Highways Investment Approach

Caltrans Highways Investment Approach

Based on Climate Action Plan for
Transportation Infrastructure
(CAPTI), California Transportation
Plan 2050, SB 1, SB 743, SB 375

- Guides investments on the State Highway System (SHS) to maximize use of the existing system to:
 - Improve travel and accessibility,
 - Advance equity, environmental, climate, health, and safety goals, and
 - Promote a shift away from single occupant vehicle use by providing competitive alternatives to driving
- Strives to create a modern, efficient SHS where new lanes are only added to the network in limited cases, based on analysis of net benefits and careful consideration of other available tools and alternatives
- Will guide plans, guidance, projects going forward, as well as projects in pipeline

Carbon Reduction Program

Carbon Reduction Program (CRP) (23 USC 175)

- New Formula Program
 - CA: approx. \$107m per year
- Purpose: Projects that reduce transportation emissions or the development of carbon reduction strategies.
- Focus areas:
 - Freight movement, ports, diesel engines
 - Expand multi-modal options
 - Support alternative fuel vehicles and infrastructure - hydrogen, natural gas, propane (see next slide).
- 65% of CRP funds are distributed within the state based on urbanized area population

Carbon Reduction Program	FY22	FY23	FY24	FY25	FY26	Total Apportionment (nationally)
Nationally	\$1,234	\$1,258	\$1,283	\$1,309	\$1,335	\$6,420

1. [Text - H.R.3684 - 117th Congress \(2021-2022\): Infrastructure Investment and Jobs Act | Congress.gov | Library of Congress](#)
2. [FHWA Budget Estimates FY23 \(transportation.gov\)](#)

Carbon Reduction Program

Projects and programs that contribute to the clean modernization and transformation of our Nation's infrastructure such as:

1. vehicle to infrastructure communications equipment
2. public electric vehicle charging infrastructure
3. energy efficient alternatives to existing street lighting and traffic control devices
4. advanced congestion management technologies
5. transit projects
6. on- and off-road pedestrian and bicycle trail facilities
7. port electrification + projects to reduce environmental, community impacts of freight movement
8. a project/strategy to support
 1. congestion pricing
 2. shifting demand to nonpeak hours or other modes
 3. increasing vehicle occupancy rates
 4. reducing demand including electronic toll collection, TDM
9. STBGP eligible projects IF State has demonstrated reduction in transportation emissions

Carbon Reduction Program Provisions (cont'd)

Develop & Update a Carbon Reduction Strategy

- States have two years to develop a carbon reduction strategy.
- Requires State, in consultation with MPOs, to develop (and update at least every 4 years) a carbon reduction strategy and submit it to DOT for approval.

DOT must certify that a State's strategy meets the statutory requirements

Survey Results

Survey Results

Majority of respondents indicated their agencies are shifting their approach to highway investments

Key themes



- *Strategically distribute funding*



- *Major re-envisioning of conventional state highways and interchanges optimizing existing system rather than new construction*



- *Multi-modal approach and transportation options, including bus, commuter rail, rapid transit, bike/ped*



- *Environmental mitigation efforts*

Survey Results

Important topics that California should address/include in its Carbon Reduction Strategy

Key themes



➤ ZEV/ZE/NEVI
(vehicle and freight
electrification and
charging
infrastructure)



➤ Address
goods/freight
movement
challenges



➤ Shift travel
modes



➤ Multiple strategies
to meet
local/regional
needs



➤ Roadway pricing
considerations (all lane
tolling; including equity
considerations)

Survey Results

How should the State develop and formulate its Carbon Reduction Strategy?

Key themes



- *Develop strategies in an open and collaborative public process*



- *Coordinate with regional/local entities since there is no “one size fits all approach”*

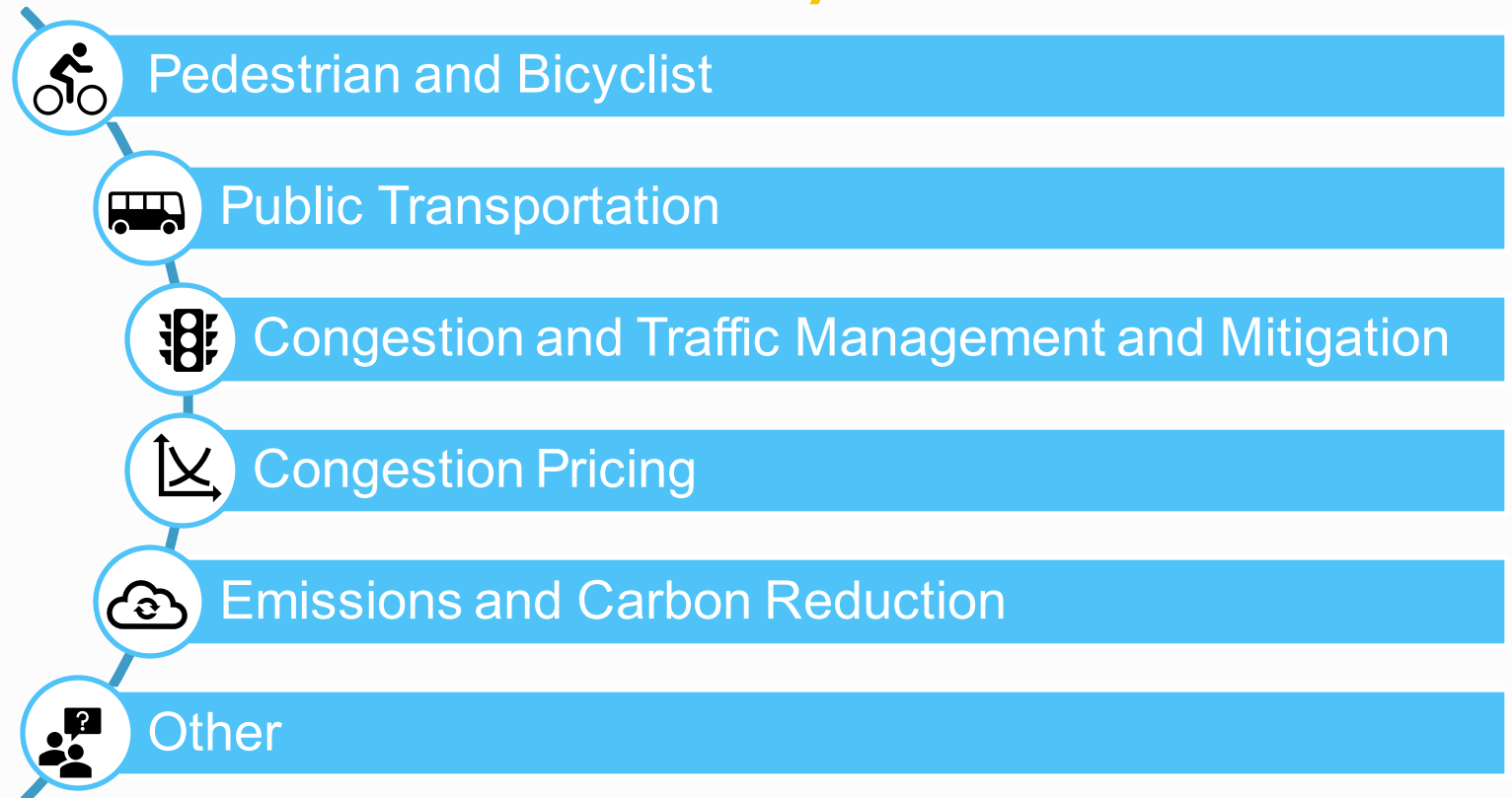


- *Other potential strategies?*

Survey Results

What should
the state's
priority be?

IJA Priority Sections



What else should be considered?



Thank you!

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