

# 2023 ACTIVE TRANSPORTATION PROGRAM

## BENEFITS REPORT

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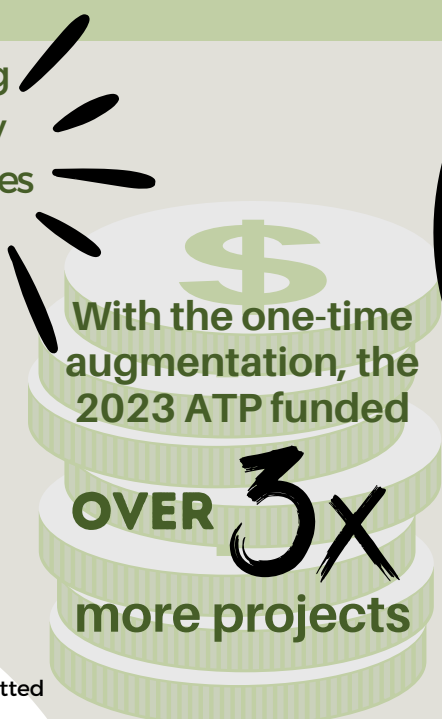
MAY 2024



# 2023 ACTIVE TRANSPORTATION PROGRAM

## GOALS OF THE PROGRAM

- Increase walking & biking
- Increase safety & mobility
- Reduce Greenhouse Gases
- Enhance public health
- Benefit disadvantage communities



## TOOLS USED TO MEASURE 2023 ATP BENEFITS

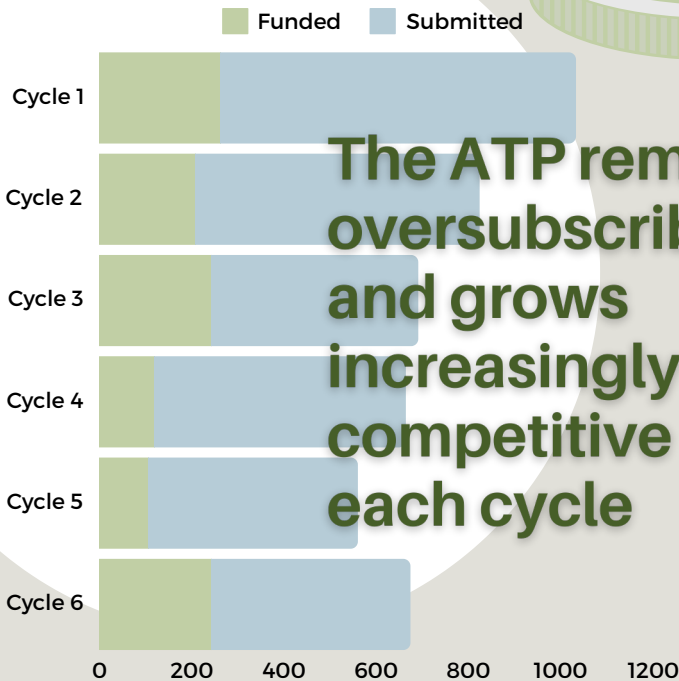
- California Active Transportation Benefits Calculator Tool (Active Transportation B/C Tool)
- Affordable Housing & Sustainable Communities Benefits Calculator Tool (AHSC Benefits Calculator Tool)

**ACTIVE TRANSPORTATION B/C TOOL PHASE I** measures increases in walking & biking, safety and emission reductions

**AHSC BENEFITS CALCULATOR TOOL** measures emission reductions

This tool was utilized to provide a comparison to the 2021 ATP Benefits Report.

The ATP remains oversubscribed and grows increasingly competitive each cycle



# 2023 ATP BENEFITSA

**241**  
Projects Funded

- 177** INFRASTRUCTURE PROJECTS
- 43** INFRASTRUCTURE + NON-INFRASTRUCTURE PROJECTS
- 7** NON-INFRASTRUCTURE PROJECTS
- 13** PLAN PROJECTS

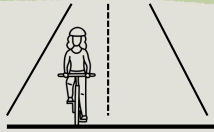
**227\***  
Projects Benefit  
Disadvantaged  
Communities

**133**  
Safe Routes to  
School Projects

Projects Will Provide  
Access to **Over**  
**14,000**  
Important Community  
Destinations

## OUTPUTSA

Class I Bike Path



**53** miles

Class II Bike Lane



**103** miles

Class III Bike Route



**86** miles

Bicycle Boulevard



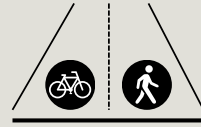
**19** miles

Class IV Separated Bikeway



**82** miles

Multi-Use Trails



**57** miles

New Sidewalks



**103** miles

Sidewalk Improvements



**52** miles

Roundabouts



**70**

New & Enhanced Crosswalks



**6,386**

\*Includes 2023 ATP Metropolitan Planning Organization component projects. 100% of projects in the 2023 ATP Statewide and Small Urban and Rural components will benefit disadvantaged communities.

# ACTIVEA TRANSPORTATIONA B/C TOOLA

## Benefits\*\*

### VMT REDUCTIONS



**319 million**  
Vehicle Miles  
Traveled Reduced

### WALKING & BIKING INCREASES



**648,100**  
Walk Miles  
Traveled



**499,400**  
Bike Miles  
Traveled

### BICYCLE & PEDESTRIAN SAFETY INCREASES

**6,000**

Fewer Crashes



**5,500**

Fewer Injuries



**223**

Fewer Fatalities



### GHG & CRITERIA POLLUTANT REDUCTIONS

**277.782 tons**  
Carbon Monoxide

CO

**89,000 metric tons**

Carbon Dioxide

CO<sub>2</sub>

**16.5347 tons**

Nitrogen Oxide & Nitrogen Dioxide

NO<sub>x</sub>

**0.5264 tons**

Particulate Matter 10

PM<sub>10</sub>

**THE B/C TOOL**  
MEASURED BENEFITS FROM **210**  
OF THE **241** PROJECTS FUNDED  
IN THE **2023 ATP**

### The Active Transportation B/C Tool:

#### Quantifies Benefits For:

- All Permanent Bicycle & Pedestrian Infrastructure Improvements

#### Does Not Quantify Benefits For:

- Non-Infrastructure Elements\*
- Quick-Build Projects
- Plans

\*The Active Transportation B-C Tool only provides qualitative benefits for Non-Infrastructure project elements.

\*\*20 year projections for all improvement types

# AHSC BENEFITS CALCULATOR TOOL

## THE AHSC BENEFITS CALCULATOR TOOL MEASURED BENEFITS FROM 196 OF THE 241 PROJECTS FUNDED IN THE 2023 ATP

The AHSC Benefits Calculator Tool:

### Quantifies Benefits For:

- Class I Bike Paths
- Class II Bike Lanes
- Bicycle Boulevards
- Class IV Separated Bikeways
- Sidewalks

### Does Not Quantify Benefits For:

- Class III Bike Routes
- Non-Infrastructure Projects
- Plan Projects
- Quick-Build Projects
- Pedestrian Improvements Excluding Sidewalks (ADA curb ramps, curb extensions, crosswalks, sidewalk improvements)



## Benefits

THE RESULTS FROM THE AHSC BENEFITS CALCULATOR TOOL ARE INCLUDED TO PROVIDE A COMPARISON TO THE 2021 ATP BENEFITS REPORT

GHG Emission  
Reductions\*

**44,500**  
*metric tons*

Particulate Matter  
2.5 Reductions

**2.76**  
*tons*

Total Passenger  
VMT Reductions

**133 million**  
*miles*

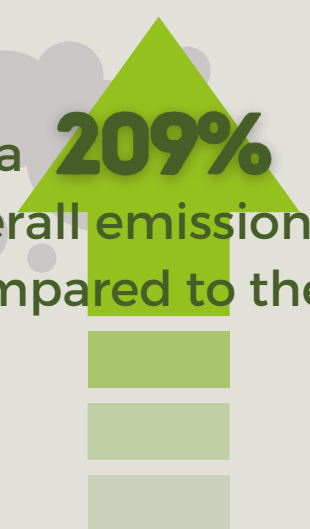
Local Reactive  
Organic Gases

**0.7555**  
*tons*

Reduced Fuel  
Consumption

**3.9 million**  
*gallons*

2023 ATP saw a **209%** increase in overall emission reductions compared to the 2021 ATP



\*20-year emission reductions for Class I Bike Paths & Sidewalks.

15-year emission reductions for Class II Bike Lanes, Bicycle Boulevards & Class IV Separated Bikeways.

# EMISSION REDUCTION AND EQUIVALENCIES

Based on the **89,900 metric tons** of Carbon Dioxide Equivalent determined by the **Active Transportation B-C Tool**, the GHG Emissions are equivalent to:

**21,000** gasoline-powered passenger vehicles driven for 1 year  
**230 million** miles driven by gasoline-powered passenger vehicle



## TOOLS UTILIZED

Measuring the program's benefits demonstrates the program's critical contributions to meeting the state's climate and equity goals. To measure the 2023 ATP benefits, two different benefit calculators were used to assess outcomes – the California Air Resources Board's AHSC Benefits Calculator Tool and the new UC Davis Active Transportation B-C Tool. The AHSC Benefits Calculator Tool was utilized in this 2023 ATP Benefits Report to provide a comparison to the 2021 ATP Benefits Report.