

HDR

## **TCEP Workshop**

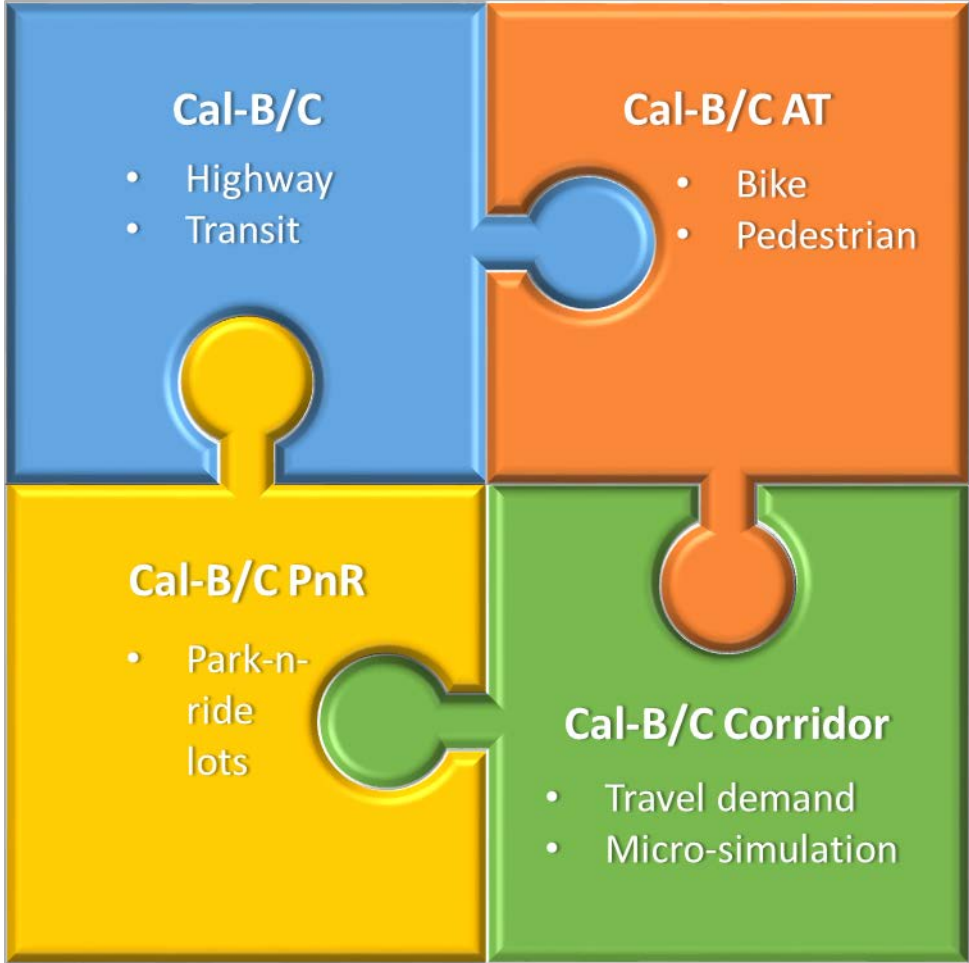
## **Cal-B/C Discussion**

Sacramento, CA

9/25/17



# Cal-B/C – What we have now



## Cal-B/C – What we are updating

- Adding emissions reporting to Cal-B/C, Cal-B/C Corridor, and Cal-B/C AT
  - ARB reviewed methodology
  - Tons and dollars reported
- Adding truck lanes to Cal-B/C
- Developing a tool to estimate emissions for other project types using ARB methodology
  - Additional operational/ITS
  - Railway capacity/efficiency
  - Interchange improvements
- Developing a tool to evaluate intermodal freight projects
  - Construction of a new facility (new intermodal freight processing where intermodal transfers were previously not possible)
  - Improvements to existing facilities (improvements to reduce handling time and costs)
  - Expansion of existing facilities (improvements to increase capacity)
  - Examples: on-dock rail, port capacity expansion/operation improvements

# Cal-B/C – Example of Updated Emissions Page (draft)

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### INVESTMENT ANALYSIS

SUMMARY RESULTS

Life-Cycle Costs (mil. \$)	\$0.0
Life-Cycle Benefits (mil. \$)	\$0.0
Net Present Value (mil. \$)	\$0.0
Benefit / Cost Ratio:	0.0
Rate of Return on Investment:	0.0%
Payback Period:	0 year

ITEMIZED BENEFITS (mil. \$)	Passenger Benefits	Freight Benefits	Total Over 20 Years	Average Annual
Travel Time Savings	\$0.0	\$0.0	\$0.0	\$0.0
Veh. Op. Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
Accident Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
Emission Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
<b>TOTAL BENEFITS</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Person-Hours of Time Saved			0	0

EMISSIONS REDUCTION	Tons		Value (mil. \$)	
	Total Over 20 Years	Average Annual	Total Over 20 Years	Average Annual
CO Emissions Saved	0	0	\$0.0	\$0.0
CO <sub>2</sub> Emissions Saved	0	0	\$0.0	\$0.0
NO <sub>x</sub> Emissions Saved	0	0	\$0.0	\$0.0
PM <sub>10</sub> Emissions Saved	0	0	\$0.0	\$0.0
PM <sub>2.5</sub> Emissions Saved	0	0		
SO <sub>x</sub> Emissions Saved	0	0	\$0.0	\$0.0
VOC Emissions Saved	0	0	\$0.0	\$0.0

**Should benefit-cost results include:**

1) Induced Travel? (y/n)   
Default = Y

2) Vehicle Operating Costs? (y/n)   
Default = Y

3) Accident Costs? (y/n)   
Default = Y

4) Vehicle Emissions? (y/n)   
Default = Y

includes value for CO<sub>2</sub>e



**QUESTIONS**

