

Appendix A. Project Evaluation Scoring Methodology

Project Evaluation Matrix

Goal	Measure	Performance Classification Tier			
		Low	Medium	High	Extra
Mobility & Connectivity	Transit ridership mode share	Active Transportation: Complete Streets Highway: HOV/HOT/Express Lanes Transit: Bus Replacement/ Transit Maintenance/ Transit Operations	Active Transportation: 1st/ Last Mile, Bikeshare Transit: ADA Transit Service, Metrolink Commuter Rail Program Enhancements, Transit Centers/ Park and Ride/ Bus Stations/ Bus Stops	Transit: New BRT, New Bus, New Rail	Transit: Population density > 20,000 people per square mile
	High-occupant vehicle (HOV) mode share		Transit: Transit Centers/ Park and Ride/ Bus stations/ Bus stops (Transit)	Highway: HOV/HOT/Express Lanes	
	Total person throughput	Active Transportation: Bike/ped Bridges, Bikeshare, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, Pedestrian Improvements Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Intersection Improvement Highway: Soundwalls Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations Goods Movement: Grade separation and Crossing Projects	Active Transportation: 1st/ Last Mile, Bikeway—Class 1 or 4, Complete Streets, New Sidewalk/ Trail Arterial: Capacity Enhancement, ITS/ Operational Improvements Highway: Auxiliary Lane, Capacity Enhancement, HOV/HOT/ Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements Transit: Metrolink Commuter Rail Program Enhancements, Transit Centers/ Park and Ride/ Bus stations/ Bus stops	Transit: New BRT, New Bus, New Rail	Arterial: Project on east/ west corridor, VMT over 150,000 miles

Mobility & Connectivity	Travel time by mode	<p>Active Transportation: Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway—Class 3 or Unspecified, Education and Promotion, New Sidewalk/ Trail Pedestrian Improvements</p> <p>Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Intersection Improvement, State of Good Repair</p> <p>Transit: Bus Replacement/ Transit Maintenance/ Transit Operations, New Bus</p> <p>Goods Movement: Grade separation and Crossing Projects</p>	<p>Active Transportation: 1st/ Last Mile, Complete Streets</p> <p>Arterial: Capacity Enhancements, ITS/ Operational Improvements</p> <p>Highway: Auxiliary Lane, Capacity Enhancement, Integrated Corridor Management, Interchange Enhancement, ITS Operational Improvements, Ramp Improvements</p> <p>Transit: Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Highway: HOV/HOT Express Lanes</p> <p>Transit: New BRT, New Rail</p>	<p>Arterial: Vehicle hours of delay > 1,000</p>
	Vehicle/ person hours of delay	<p>Active Transportation: 1st/ Last Mile, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Intersection improvement, State of Good Repair</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit maintenance/ Transit Operations, Metrolink Commuter Rail Program Enhancements, New Bus, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Active Transportation: Complete Streets</p> <p>Arterial: Capacity Enhancement, ITS/ Operational Improvements</p> <p>Highway: Auxiliary Lane, Capacity Enhancement, HOV/HOT/ Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: New BRT, New Rail</p>		<p>Arterial: Vehicle hours of delay > 1,000</p>
	Truck VHD	<p>Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Intersection Improvement, State of Good Repair</p> <p>Goods Movement: Grade separation and Crossing Projects</p>	<p>Arterial: Capacity Enhancement, ITS/ Operational Improvements (arterial)</p> <p>Highway: Auxiliary Lane, Capacity Enhancement, HOV/HOT/Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Goods Movement: Goods Movement, Logistics & Technology</p>		<p>Arterial: Vehicle hours of delay > 1,000</p>

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
State of Good Repair	Pavement in good, fair, and poor condition	<p>Active Transportation: Bikeway— Class 1 or 4, Complete Streets, New Sidewalk/ Trail</p> <p>Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Capacity enhancement, Intersection Improvement, ITS/ Operational Improvements</p> <p>Highway: Auxiliary Lane, Capacity Enhancement, HOV/HOT/Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: Bus Replacement/ Transit Maintenance/ transit Operations</p> <p>Goods Movement: Goods Movement, Logistics & Technology, Grade Separation and Crossing Projects</p>		<p>Arterial: State of Good Repair</p>	
	NHS bridges in good, fair, and poor condition	<p>Active Transportation: Bikeway— Class 1 or 4, Complete Streets, New Sidewalk/ Trail</p> <p>Arterial: State of Good Repair</p>	<p>Arterial: Bridge and Grade Separation</p>		

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
Accessibility and Equity	Households within 1/2 mile of high quality transit access	Transit: ADA Transit Service, Metrolink Commuter Rail Program Enhancements, New Bus, New BRT, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops			Transit: Population density > 20,000 people per square mile
	Jobs within 1/2 mile of high quality transit access	Transit: ADA Transit Service, Metrolink Commuter Rail Program Enhancements, New Bus, New BRT, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops			Transit: Employment Density >15 jobs per acre, intersects a commercial center
	Bicycle facility density within 1/2 mile of high quality transit	Active Transportation: 1st/ Last Mile, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway—Class 3 or Unspecified, Complete Streets, Education and Promotion, New Sidewalk/ Trail Pedestrian Improvements, Beautification/ Open Space, Pedestrian Improvements			Active Transportation: Within a half mile of a BRT or rail station
	Healthcare, schools and activity centers accessible by low-stress bicycle/ pedestrian facilities	Active Transportation: 1st/ Last Mile, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway—Class 3 or Unspecified, Complete Streets, Education and Promotion, New Sidewalk/ Trail Pedestrian Improvements, Beautification/ Open Space, Pedestrian Improvements			Active Transportation: Intersects a quarter-mile buffer around schools, intersects a half-mile buffer around hospitals and medical centers, intersects a commercial center

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
Accessibility and Equity	Travel time by mode for social equity focus (SEF) populations	<p>Active Transportation: Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Arterial: Arterial Corridor Improvement, Bridge and Grade separation, Intersection Improvement, State of Good Repair</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations, New Bus</p> <p>Goods Movement: Grade separation and Crossing Projects</p>	<p>Active Transportation: 1st/ Last Mile, Complete Streets</p> <p>Arterial: Capacity Enhancement, ITS/ Operational Improvements</p> <p>Highway: Auxiliary Lane, Capacity Enhancement, Integrated Corridor Management, Interchange Enhancements, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: Metrolink Commuter Rail Program Enhancements, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Highway: HOV/ HOT/ Express Lanes</p> <p>Transit: Metrolink Commuter Rail Program Enhancements, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	
	SEF households with access to high quality transit	<p>Transit: New BRT, New Bus, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Transit: ADA Transit Service</p>		<p>Active Transportation and Transit: Intersects a CalEnviroScreen disadvantaged census tract</p>

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
Safety	Serious injury crash rates (by mode)	<p>Active Transportation: Bikeshare, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Beautification/ Open Space</p> <p>Arterial: Arterial Corridor Improvement, State of Good Repair, ITS/ Operational Improvements</p> <p>Highway: Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p> <p>Goods Movement: Goods Movement, Logistics & Technology</p>	<p>Active Transportation: 1st/Last Mile, Bike/ ped Bridges, Bikeway -0 Class 1 or 4, Bikeway—Class 21, Complete Streets, Pedestrian Improvements</p> <p>Arterial: Intersection Improvement</p>	<p>Arterial: Bridge and Grade Separation</p> <p>Goods Movement: Grade Separation and Crossing Projects</p>	<p>Active Transportation: Area of high bicycle and pedestrian collision density</p>
	Fatal collision rate (by mode)	<p>Active Transportation: Bikeshare, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Beautification/ Open Space</p> <p>Arterial: Arterial Corridor Improvement, State of Good Repair, ITS/ Operational Improvements</p> <p>Highway: Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p> <p>Goods Movement: Goods Movement, Logistics & Technology</p>	<p>Active Transportation: 1st/Last Mile, Bike/ ped Bridges, Bikeway -0 Class 1 or 4, Bikeway—Class 21, Complete Streets, Pedestrian Improvements</p> <p>Arterial: Intersection Improvement</p>	<p>Arterial: Bridge and Grade Separation</p> <p>Goods Movement: Grade Separation and Crossing Projects</p>	<p>Active Transportation: Area of high bicycle and pedestrian collision density</p>

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
Sustainability	Greenhouse gas (GHG emissions)	<p>Active Transportation: 1st/ Last Mile, Complete Streets, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Highway: HOV/HOT/Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Transit: Metrolink Commuter Rail Program Enhancements, New BRT, New Bus, New Rail</p>		
	Air quality criteria pollutant emissions	<p>Active Transportation: 1st/ Last Mile, Complete Streets, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Highway: HOV/HOT/Express Lanes, Integrated Corridor Management, Interchange Enhancement, ITS/ Operational Improvements, Ramp Improvements</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Highway: Soundwalls</p> <p>Transit: Metrolink Commuter Rail Program Enhancements, New BRT, New Bus, New Rail</p>		

Goal	Measure	Low Score	Medium Score	High Score	Extra Points
Sustainability	Bicycle and walk mode share	<p>Active Transportation: Bike/ped Bridges, Bikeway Class 3 or Unspecified, Complete Streets, Education or Promotion, Beautification and Open Space</p> <p>Transit: Metrolink Commuter Rail Program Enhancements, New BRT, New Bus, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Active Transportation: 1st/ Last Mile, Bikeshare, Bikeway—Class 2, Pedestrian Improvements</p>	<p>Active Transportation: Bikeway—Class 1 or 4, New Sidewalk/ Trail</p>	<p>Active Transportation: Population Density > 20,000 people per square mile, Connects to an existing bicycle facility</p>
	Non-single occupant vehicle (SOV) mode share	<p>Active Transportation: Bike/ped Bridges, Bikeway Class 3 or Unspecified, Complete Streets, Education or Promotion, Beautification and Open Space, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Transit: ADA Transit Service, Bus Replacement/ Transit Maintenance/ Transit Operations</p>	<p>Active Transportation: 1st/ Last Mile, Bikeshare, Bikeway—Class 2</p> <p>Transit: Metrolink Commuter Rail Program Enhancements, New BRT, New Bus, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Active Transportation: Bikeway—Class 1 or 4</p>	<p>Active Transportation: Population Density > 20,000 people per square mile, Connects to an existing bicycle facility</p>
	Parks, recreation & open space accessible by low-stress bike/ped facilities, complete streets, and/ or high quality transit	<p>Active Transportation: 1st/ Last Mile, Complete Streets, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Beautification/ Open Space, Pedestrian Improvements</p> <p>Highway: HOV/HOT/Express Lanes</p> <p>Transit: ADA Transit Service, New BRT, New Bus, New Rail, Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>			<p>Active Transportation and Transit: Intersects a park or the half-mile buffer around it</p>
	Vehicle miles traveled (VMT)	<p>Active Transportation: 1st/ Last Mile, Complete Streets, Bike/ped Bridges, Bikeshare, Bikeway—Class 1 or 4, Bikeway—Class 2, Bikeway Class 3 or Unspecified, Education or Promotion, New Sidewalk/ Trail, Pedestrian Improvements</p> <p>Transit: Transit Centers/ Park and Ride/ Bus stations/ Bus stops</p>	<p>Transit: Metrolink Commuter Rail Program Enhancements, New BRT, New Bus, New Rail</p>		