

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 |

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|------------------------------------|--------------------------------|---|---|---|---|
| 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> | | |