

## GLOSSARY

**AASHTO** American Association of State Highway and Transportation Officials – A nonprofit, non-partisan association representing highway and transportation departments in the 50 states, the District of Columbia and Puerto Rico.

**AB 32** Assembly Bill 32 – Signed into law on September 26, 2006, it requires that the state’s global warming emissions be reduced to 1990 levels by 2020. This reduction will be accomplished through an enforceable statewide cap on global warming emissions that will be phased in starting in 2012 in addition to other measures. In order to effectively implement the cap, AB 32 directs the California Air Resources Board (ARB) to develop appropriate regulations and establish a mandatory reporting system to track and monitor global warming emissions levels.

**AB 169** Assembly Bill 169 – Provides for the sixteen federally recognized tribes in the SCAG region to join the SCAG Joint Powers Authority (JPA) to participate in the Southern California Association of Governments by voting at the SCAG General Assembly.

**ACE** Alameda Corridor East – A 35-mile corridor extending through the San Gabriel Valley between East Los Angeles and Pomona and connecting the Alameda Corridor to the transcontinental railroad network.

**Active Transportation** A mode of transportation that includes walking, running, biking, skateboarding and other human powered forms of transportation. It can also include low-speed electrical devices such as motorized wheel chairs, Segways, electric-assist bicycles and neighborhood electric vehicles, such as golf carts.

**ADA** Americans with Disabilities Act of 1990 – Guarantees equal opportunity for individuals with disabilities in public accommodations, employment, transportation, state and local government services and telecommunications. It prescribes federal transportation requirements for transportation providers.

**Agricultural Lands** Land designated for farming; specifically the production of crops and rearing of animals to provide food and other products.

**AHSC** Affordable Housing and Sustainable Communities – A state grant program from the Greenhouse Gas Reduction Fund that addresses land-use, housing, transportation and land preservation projects to support infill and compact development to reduce greenhouse gas emissions.

**AJR 40** Assembly Joint Resolution No. 40 – Introduced on August 23, 2007, the resolution calls upon the governor to declare a state of emergency in respect to the air quality health crisis in the South Coast Air Quality Basin related to emissions of PM 2.5 and to direct steps necessary to address the emergency.

**ANCA** Federal Airport Noise and Capacity Act of 1990 – Establishes a national aviation noise policy that reviews airport noise and access restrictions on operations for Stage 2 and Stage 3 aircraft.

**Antelope Valley AQMD** Antelope Valley Air Quality Management District – The air pollution control agency for the portion of Los Angeles County north of the San Gabriel Mountains.

**AQMP** Air Quality Management Plan – Regional plan for air quality improvement in compliance with federal and state requirements.

**ARB** Air Resources Board – State agency responsible for attaining and maintaining healthy air quality through setting and enforcing emissions standards, conducting research, monitoring air quality, providing education and outreach and overseeing/assisting local air quality districts. ARB is also responsible for implementing AB 32 and establishing regional greenhouse gas emission reduction targets for automobile and light trucks under SB 375.

**ATIS** Advanced Traveler Information Systems – Technology used to provide travelers with information, both pre-trip and in-vehicle, so they can better utilize the transportation system.

**ATMS** Advanced Transportation Management Systems – Technology used to improve the operations of the transportation network.

**ATP** Active Transportation Program – Provides state funds for city and county projects that improve safety and convenience for bicycle commuters, recreational riders and safe routes to school programs. Replaces the Bicycle Transportation Account (BTA).

**Automated Vehicle** U.S. Department of Transportation’s National Highway Traffic Safety Administration (NHTSA) has defined five increasing levels of vehicle automation at five levels:

0. No-Automation: The driver is in complete and sole control of the primary vehicle controls .
1. Function-Specific Automation: Automation at this level involves one or more specific control functions.
2. Combined Function Automation: This level involves automation of at least two primary control functions designed to work in unison to relieve the driver of control of those functions.
3. Limited Self-Driving Automation: Vehicles at this level of automation enable the driver to cede full control of all safety-critical functions under certain traffic or environmental conditions.
4. Full Self-Driving Automation: The vehicle is designed to perform all safety-critical driving functions and monitor roadway conditions for an entire trip.

**Autonomous Vehicle** Vehicles in which operation of the vehicle occurs without direct driver input to control the steering, acceleration and braking and are designed so that the driver is not expected to constantly monitor the roadway while operating in self-driving mode.

**AVO** Average Vehicle Occupancy – Calculated by dividing the total number of travelers by the total number of vehicles.

**Base Year** The year 2012, used in the RTP/SCS performance analysis as a reference point for current conditions.

**Baseline** Future scenario which includes only those projects that are existing, undergoing right-of-way acquisition or construction, come from the first year of the previous RTP or RTIP, or have completed the NEPA process. The Baseline is based upon the adopted 2015 FTIP. The Baseline functions as the “No Project” alternative used in the RTP/SCS Program EIR.

**BEV** Battery Electric Vehicle – An electric drive vehicle powertrain that is powered by an on-board battery. A BEV is a sub-class of Plug-in Electric Vehicle.

**Bikeway** Common term for any designated bicycle facility, such as a bike path, bike lane, bike route, sharrow, bicycle boulevard or cycle-track.

**Bike Share** An integrated network of bicycle rental kiosks in heavily urbanized areas. The bike share network is intended to reduce short-distance driving by providing low-cost bicycle rentals at regular intervals (200 yards apart) throughout the heavily urbanized area.

**BLS** Bureau of Labor Statistics – The principal fact-finding agency for the federal government in the broad field of labor economics and statistics.

**BNSF** Burlington Northern and Santa Fe Railway Company.

**BTA** Bicycle Transportation Account – Provides state funds for city and county projects that improve safety and convenience for bicycle commuters. Replaced by the California Active Transportation Program (ATP).

**Bus** A transit mode comprised of rubber-tired passenger vehicles operating on fixed-routes and schedules over roadways.

**BRT** Bus Rapid Transit – Bus transit service that seeks to reduce travel time through measures such as traffic signal priority, automatic vehicle location, dedicated bus lanes, limited-stop service and faster fare collection policies.

**CAA** Clean Air Act – 1970 federal act that authorized EPA to establish air quality standards to limit levels of pollutants in the air. EPA has promulgated such standards (or NAAQS) for six criteria pollutants: sulfur dioxide (SO<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), carbon monoxide (CO), ozone, lead and particulate matter (PM 10). All areas of the United States must maintain ambient levels of these pollutants below the ceilings established by the NAAQS; any area that does not meet these

standards is a “non-attainment” area. States must develop SIPs to explain how they will comply with the CAA. The act was amended in 1977 and again in 1990.

**CAFR** Comprehensive Annual Financial Report – Official annual financial report that encompasses all funds and financial components associated with any given organization.

**Cal B/C Model** California Life-Cycle Benefit/Cost Analysis Model – Developed for the California Department of Transportation (Caltrans) as a tool for benefit-cost analysis of highway and transit projects. It is an Excel (spreadsheet) application structured to analyze several types of transportation improvement projects in a corridor where there already exists a highway facility or a transit service (the base case).

**Caltrans** California Department of Transportation – State agency responsible for the design, construction, maintenance and operation of the California State Highway System, as well as that portion of the Interstate Highway System within the state’s boundaries.

**Cap-and-Trade** A market based regulation that is designed to reduce greenhouse gases (GHGs) from multiple sources. Cap-and-Trade sets a firm limit or cap on GHGs and minimize the compliance costs of achieving California’s AB 32 goals. The cap will decline approximately 3 percent each year beginning in 2013. Trading creates incentives to reduce GHGs below allowable levels through investments in clean technologies. With a carbon market, a price on carbon is established for GHGs. Market forces spur technological innovation and investments in clean energy. Cap-and-Trade is an environmentally effective and economically efficient response to climate change.

**Car Share** An integrated network of passenger vehicles available for short-term rental in heavily urbanized areas. Car share can take the form of return systems in which a vehicle must be returned to the parking space from which it was rented. Alternatively, it can take the form of point-to-point systems in which the car can be returned to another space, or left anywhere within a pre-determined geographic zone.

**Catalytic Demand** Additional aviation demand that is created by companies that locate in the proximity of expanding airports with developable land around them to reduce airport ground access time and costs for their employees and clients. Catalytic demand is greatest for large hub airports, particularly international airports.

**CEHD** Community, Economic and Human Development Committee – A SCAG committee that studies the problems, programs and other matters which pertain to the regional issues of community, economic and human development and growth. This committee reviews projects, plans and programs of regional significance for consistency and conformity with applicable regional plans.

**CEQA** California Environmental Quality Act – State law providing certain environmental protections that apply to all transportation projects funded with state funds.

**CETAP** Community Environmental and Transportation Acceptability Process – Part of the Riverside County Integrated Project that is examining where to locate possible major new multimodal transportation facilities to serve the current and future transportation needs of Western Riverside County, while minimizing impacts on communities and the environment.

**CHSRA** California High-Speed Rail Authority – Agency responsible for planning, designing, constructing and operating a state-of-the-art high-speed rail system in California.

**CIP** Capital Improvement Program – Long-range strategic plan that identifies capital projects; provides a planning schedule and financing options.

**CMAQ** Congestion Mitigation and Air Quality Program – Federal program initiated by ISTEA to provide funding for surface transportation and other related projects that contribute to air quality improvements and reduce congestion.

**CMIA** Corridor Mobility Improvement Account – These funds would be allocated by the California Transportation Commission to highly congested travel corridors in the state. Projects in this category must be a high priority; be able to start construction by 2012; improve mobility in a highly congested corridor by improving travel times and reducing vehicle hours of delay; connect the State Highway System; and improve access to jobs, housing, markets and commerce.

**CMP** Congestion Management Program – Established by Proposition 111 in 1990, requires each county to develop and adopt a CMP that includes highway and roadway system monitoring, multimodal system performance analysis, transportation demand management program, land-use analysis program and local conformance.

**CNSSTC** California-Nevada Super-Speed Train Commission – Public-private partnership developed to promote a high-speed link between California and Nevada.

**CO** Carbon Monoxide – A colorless, odorless, poisonous gas formed when carbon in fuels is not burned completely. It is a byproduct of highway vehicle exhaust, which contributes about 60 percent of all CO emissions nationwide.

**COG** Council of Governments – Under state law, a single or multi-county council created by a joint powers agreement.

**Complete Streets** Streets designed and operated to enable safe access for all roadway users of all ages and abilities, including pedestrians, bicyclists, motorists and transit riders.

**Complete Streets Approach** An approach to funding for planning, designing and maintaining roadways that incorporates Complete Streets implementation as the variable costs in larger road construction or rehabilitation projects. This approach can dramatically reduce the costs of Complete Streets as compared to implementation of stand-alone projects.

**Commuter Bus (CB)** Fixed-route bus systems that are primarily connecting outlying areas with a central city through bus service that operates with at least five miles of continuous closed-door service. This service typically operates using motorcoaches (aka over-the-road buses) and usually features peak scheduling, multiple-trip tickets and multiple stops in outlying areas with limited stops in the central city.

**Commuter Rail (CR)** A transit mode that is an electric or diesel propelled railway for urban passenger train service consisting of local short distance travel operating between a central city and adjacent suburbs. Service must be operated on a regular basis by or under contract with a transit operator for the purpose of transporting passengers within urbanized areas (UZAs), or between urbanized areas and outlying areas. Such rail service, using either locomotive hauled or self-propelled railroad passenger cars, is generally characterized by multi-trip tickets, specific station to station fares, railroad employment practices and usually only one or two stations in a central business district. Commuter Rail does not include heavy rail rapid transit, or light rail/streetcar transit service, or intercity rail service.

**Congestion Management Process** Systematic approach required in transportation management areas (TMAs) that provides for effective management and operation, based on a cooperatively developed and implemented metropolitan-wide strategy, of new and existing transportation facilities eligible for funding under Title 23 U.S.C. and Title 49 U.S.C., through the use of operational management strategies.

**Connected/ Automated Vehicles** Refers to the interrelated nature of connectivity and automation in new vehicle technology. Connected vehicles are vehicles that use any of a number of different communication technologies to communicate with the driver, other cars on the road (vehicle-to-vehicle [V2V]), roadside infrastructure (vehicle-to-infrastructure [V2I]) and the “Cloud” to improved safety, user experience and collision avoidance.

**Constant Dollars** Dollars expended/received in a specific year adjusted for inflation/deflation relative to another time period.

**Corridor** In planning, a broad geographical band that follows a general directional flow or connects major sources of trips. It may contain a number of streets and highways, as well as transit lines and routes.

**CSMP** Corridor System Management Plans.

**CTC** California Transportation Commission – Eleven voting members and two non-voting ex-officio members. Nine of the members are appointed by the Governor, one is appointed by the Senate Rules Committee and one is appointed by the Speaker of the Assembly, to oversee and administer state and federal transportation funds and provide oversight on project delivery.

**CTIPS** California Transportation Improvement Program System – A project programming database system used to efficiently and effectively develop and manage various transportation programming documents as required under state and federal law.

**CTP** California Transportation Plan – A statewide, long-range transportation policy plan that provides for the movement of people, goods, services and information. The CTP offers a blueprint to guide future transportation decisions and investments that will ensure California's ability to compete globally, provide safe and effective mobility for all persons, better link transportation and land-use decisions, improve air quality and reduce petroleum energy consumption.

**CVO** Commercial Vehicle Operations – Management of commercial vehicle activities through ITS.

**Deficiency Plan** Set of provisions contained in a Congestion Management Plan to address congestion when unacceptable levels of congestion occur. Projects implemented through the Deficiency Plan must, by statute, have both mobility and air quality benefits.

**Demand Response** A transit mode comprised of automobiles, vans, or small buses operating in response to calls from passengers or their agents to the transit operator, who then dispatches a vehicle to pick up the passengers and transport them to their destinations. A demand response (DR) operation is characterized by vehicles that do not operate over a fixed route or on a fixed schedule except on a temporary basis.

**Displacement** The process that occurs when the increasing property values brought about through gentrification drive out the existing residents and business operators and attract a new and different demographic population to an area. Lower income residents may also become unable to access housing in certain areas due to increasing housing prices. Please also see Gentrification.

**DTIM** Direct Travel Impact Model – A vehicle emissions forecasting model.

**EDF** Environmental Defense Fund – A national non-profit organization that seeks to protect the environmental rights of all people, including future generations.

**EIR** Environmental Impact Report – An informational document, required under CEQA, which will inform public agency decision-makers and the public generally of the significant environmental effects of a project, possible ways to minimize significant effects and reasonable alternatives to the project.

**EIS** Environmental Impact Statement (federal) – National Environmental Policy Act (NEPA) requirement for assessing the environmental impacts of federal actions that may have a significant impact on the human environment.

**EMFAC** Emission Factor – Model that estimates on-road motor vehicle emission rates for current year as well as backcasted and forecasted inventories.

**Enabling Technology** This term refers to a technological innovation which lays the foundation or creates a platform that allows a separate unrelated technology to achieve commercialization. For example, car share and bike share systems have been under development since the early 1970s. However the explosion of smart phone usage and the convergence of mobile banking and GPS location services have made these systems viable for a larger portion of the population.

**Environmental Justice (EJ)** The concept of Environmental Justice is about equal and fair access to a healthy environment, with the goal of protecting minority and low-income communities from incurring disproportionate negative environmental impacts.

**EPA** Environmental Protection Agency – Federal agency established to develop and enforce regulations that implement environmental laws enacted by Congress to protect human health and safeguard the natural environment.

**Executive Order B-30-15** Executive Order signed by Governor Brown on April 29, 2015, which establishes a California Greenhouse Gas (GHG) reduction target of 40 percent below 1990 levels by 2030.

**Express Lane** An HOV lane that single-occupant drivers can pay to drive in, also referred to as "High Occupancy Toll Lanes."

**EWFC** An east-west segment of the Regional Clean Freight Corridor System that connects I-710 to the west and I-15 to the east.

**EV** Electric Vehicle – A vehicle fully or partially powered by an electric engine. Synonymous with Plug-In Electric Vehicle (PEV).

**EV Charging Station** A location where a vehicle can be parked and the electric storage or battery can be recharged. EV Charging Stations can be private or publicly accessible and can be free to the user or used for a fee. EV Charging Stations are configured in three different levels defined by the amount of electricity that can be transmitted to the vehicle. Level 1 provides energy through a 120 Volt AC Plug comparable to a household product. Based on the battery type and vehicle, AC Level 1 charging adds about 2 to 5 miles of range to a PEV per hour of charging time. Level 2 equipment offers charging through 208 or 240 V AC electrical connection comparable to a household appliance such as a washing machine. AC Level 2 adds about 10 to 20 miles of range

per hour of charging time. Direct-current (DC) fast charging equipment, or Level 3 (typically 208/480 V AC three-phase input), enables rapid charging along heavy traffic corridors and can add 50 to 70 miles of range in about 20 minutes.

**FAA** Federal Aviation Administration – Federal agency responsible for issuing and enforcing safety regulations and minimum standards, managing air space and air traffic and building and maintaining air navigation facilities.

**FAST Act** Fixing America’s Surface Transportation Act (H.R. 22) – Signed into law by President Obama on December 4, 2016. Funding surface transportation programs at over \$305 billion for five years through 2020.

**FCV** Fuel Cell Vehicle – Electric vehicles that are powered by hydrogen fuel cells.

**FHWA** Federal Highway Administration – Federal agency responsible for administering the Federal-Aid Highway Program, which provides federal financial assistance to the states to construct and improve the National Highway System, urban and rural roads and bridges.

**Financially Constrained** Expenditures are said to be financially constrained if they are within limits of anticipated revenues.

**First Mile/Last Mile** Strategies designed to increase transit usage by making it more convenient and safe to walk or bike to transit stations. Includes such strategies as wayfinding, bikeways, sidewalk repair and bike share.

**FRA** Federal Railroad Administration – Federal agency created to promulgate and enforce rail safety regulations, administer railroad assistance programs, conduct research and development in support of improved railroad safety and national rail transportation policy and consolidate government support of rail transportation activities.

**FTA** Federal Transit Administration – The federal agency responsible for administering federal transit funds and assisting in the planning and establishment of areawide urban mass transportation systems. As opposed to FHWA funding, most FTA funds are allocated directly to local agencies, rather than to Caltrans.

**FTIP** Federal Transportation Improvement Program – A six-year comprehensive listing of transportation projects proposed for federal funding, that require a federal action, or are regionally significant and are within the planning area of an MPO. The last two years are for informational purposes only.

**FTZ** Foreign Trade Zones.

**FY** Fiscal Year – The twelve-month period on which the budget is planned. The state fiscal year begins July 1 and ends June 30 of the following year. The federal fiscal year begins October 1 and ends September 30 of the following year.

**GAO** Government Accountability Office – Congressional agency responsible for examining matters related to the receipt and payment of public funds.

**Gentrification** While holding many definitions, is commonly understood as a change process in historically low-wealth communities that results in rising real estate values coupled with shifts in the economic, social and cultural demographics and feel of the communities. Please also see Displacement.

**GHG** Greenhouse Gases – Components of the atmosphere that contribute to the greenhouse effect. The principal greenhouse gases that enter the atmosphere because of human activities are carbon dioxide, methane, nitrous oxide and fluorinated gases.

**GGRF** Greenhouse Gas Reduction Funds are administered by state and local agencies for a variety of greenhouse gas (GHG) emission reductions programs, including energy efficiency, public transit, low-carbon transportation and affordable housing.

**GIS** Geographic Information System – Powerful mapping software that links information about where things are with information about what things are like. GIS allows users to examine relationships between features distributed unevenly over space, seeking patterns that may not be apparent without using advanced techniques of query, selection, analysis and display.

**GNP** Gross National Product – An estimate of the total value of goods and services produced in any specified country in a given year. GNP can be measured as a total amount or an amount per capita.

**Grade Crossing** A crossing or intersection of highways, railroad tracks, other guideways, or pedestrian walks, or combinations of these at the same level or grade.

**Greenfield** Also known as “raw land,” land that is privately owned, lacks urban services, has not been previously developed and is located at the fringe of existing urban areas.

**GRP** Gross Regional Product.

**HCP** Habitat Conservation Plan – Established under Section 10 of the federal Endangered Species Act to allow development to proceed while protecting endangered species. A federal Habitat Conservation Plan is typically accompanied by a state Natural Communities Conservation Plan or NCCP.

**HDT** Heavy-Duty Truck – Truck with a gross vehicle weight of 8,500 pounds or more.

**Heavy Rail** A transit mode that is an electric railway with the capacity for a heavy volume of traffic. It is characterized by high speed and rapid acceleration passenger rail cars operating singly or in multi-car trains on fixed rails, separate rights-of-way (ROW) from which all other vehicular and foot traffic are excluded, sophisticated signaling and raised platform loading.

**HiAP** Health in All Policies – HiAP is a collaborative strategy that aims to improve public health outcomes by including health considerations in the decision-making process across sectors and policy areas. HiAP addresses the social determinants of health by encouraging transportation practitioners to work with nontraditional partners who have expertise related to public health outcomes, such as city and county public health departments.

**HQTA** High-Quality Transit Areas – Generally a walkable transit village or corridor, consistent with the adopted RTP/SCS and is within one half-mile of a well-served transit stop or a transit corridor with 15-minute or less service frequency during peak commute hours. The definition that SCAG has been using for the HQTA is based on the language in SB 375 which defines:

**Major Transit Stop** A site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods (CA Public Resource Code Section 21064.3).

**HQTC** High-Quality Transit Corridor – A corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

**HICOMP** Highway Congestion Monitoring Program (Caltrans) – A report that measures the congestion that occurs on urban area highways in California.

**Home-Based Work Trips** Trips that go between home and work, either directly or with an intermediate stop. Home-based work trips include telecommuting, working at home and non-motorized transportation work trips.

**HOT Lane** High-Occupancy Toll Lane – An HOV lane that single-occupant drivers can pay to drive in, also referred to as “Express Lanes.”

**HOV Lane** High-Occupancy Vehicle Lane – A lane restricted to vehicles with two (and in some cases three) or more occupants to encourage carpooling. Vehicles include automobiles, vans, buses and taxis.

**HPMS** Highway Performance Monitoring System – A federally mandated program designed by FHWA to assess the performance of the nation’s highway system.

**HSIPR** High-Speed Intercity Passenger Rail Program – A Federal Railroad Administration program created to invest in new high-speed rail corridors and existing rail corridors to improve speed and service.

**HST** High-Speed Train – Intercity passenger rail service that is reasonably expected to reach speeds of at least 110 mile per hour.

**HUD** U.S. Department of Housing and Urban Development – Federal agency charged with increasing homeownership, supporting community development and increasing access to affordable housing free from discrimination.

**ICAPCD** Imperial County Air Pollution Control District – Local air pollution control agency mandated by state and federal regulations to implement and enforce air pollution rules and regulations.

**ICE** Internal Combustion Engine – Refers traditional vehicle engines that are powered by the burning of fuel sources, including gasoline, diesel and natural gas.

**ICTC** Imperial County Transportation Commission – Agency responsible for planning and funding countywide transportation improvements and administering the county’s transportation sales tax revenues.

**ICTF** Intermodal Container Transfer Facility – a near-dock intermodal rail facility owned and operated by Union Pacific Rail Road, adjacent to the SPB ports.

**IGR** Intergovernmental Review Process – The review of documents by several governmental agencies to ensure consistency of regionally significant local plans, projects and programs with SCAG’s adopted regional plans.

**Infrastructure** The basic facilities, equipment, services and installations needed for the growth and functioning of a community.

**IOS** Initial Operating Segment.

**ISTEA** Intermodal Surface Transportation Efficiency Act – Signed into federal law on December 18, 1991, it provided authorization for highways, highway safety and mass transportation for FYs 1991–1997 and served as the legislative vehicle for defining federal surface transportation policy.

**ITIP** Interregional Transportation Improvement Program – The portion of the STIP that includes projects selected by Caltrans (25 percent of STIP funds).

**ITS** Intelligent Transportation Systems – Systems that use modern detection, communications and computing technology to collect data on system operations and performance, communicate that information to system managers and users and use that information to manage and adjust the transportation system to respond to changing operating conditions, congestion, or accidents. ITS technology can be applied to arterials, highways, transit, trucks and private vehicles. ITS include Advanced Traveler Information Systems (ATIS), Advanced Public Transit Systems (APTS), Advanced Traffic Management Systems (ATMS), Advanced Vehicle Control Systems (AVCS) and Commercial Vehicle Operations (CVO).

**JPA** Joint Powers Authority – Two or more agencies that enter into a cooperative agreement to jointly wield powers that are common to them. JPAs are a vehicle for the cooperative use of existing governmental powers to finance and provide infrastructure and/or services in a cost-efficient manner.

**LACMTA** Los Angeles County Metropolitan Transportation Authority, also referred to as “Metro” – Agency responsible for planning and funding countywide transportation improvements, administering the county’s transportation sales tax revenues and operating bus and rail transit service.

**LAWA or LAX** Los Angeles World Airports – Aviation authority of the City of Los Angeles. LAWA owns and operates Los Angeles International (LAX), Ontario International, Van Nuys and Palmdale Airports.

**LCV** Longer-Combination Vehicles – Includes tractor-trailer combinations with two or more trailers that weigh more than 80,000 pounds.

**LEM** Location Efficient Mortgage – Allows people to qualify for larger loan amounts if they choose a home in a densely populated community that is well served by public transit and where destinations are located close together so that they can also walk and bike instead of driving everywhere.

**LRT** Light Rail Transit – A mode of transit that operates on steel rails and obtains its power from overhead electrical wires. LRT may operate in single or multiple cars on separate rights-of-way or in mixed traffic.

**Livable Communities** Any location in which people choose may be viewed as “livable.” However, communities that contain a healthy mix of homes, shops, workplaces, schools, parks and civic institutions coupled with a variety of transportation choices, give residents greater access to life’s daily essentials and offer higher quality of life to a wider range of residents. In 2009, the U.S. DOT, EPA and HUD established the following 6 Principles of Livability:

1. Provide more transportation choices
2. Expand location- and energy-efficient housing choices

3. Improve economic competitiveness of neighborhoods
4. Target federal funding toward existing communities
5. Align federal policies and funding
6. Enhance the unique characteristics of all communities

**Livable Corridors** Arterial roadways where local jurisdictions may plan for a combination of the following elements: high-quality bus frequency; higher density residential and employment at key intersections; and increased active transportation through dedicated bikeways. Most, but not all Livable Corridors would be located within HQTAs. Livable Corridor land-use strategies include development of mixed use retail centers at key nodes along corridors, increasing neighborhood-oriented retail at more intersections, applying a “Complete Streets” approach to roadway improvements and zoning that allows for the replacement of underperforming auto-oriented strip retail between nodes with higher density residential and employment.

**LTF** Local Transportation Fund – A fund which receives TDA revenues.

**MAP** Million Annual Passengers – Used to quantify airport activity.

**MAP-21** Moving Ahead for Progress in the 21st Century – Signed into law by President Obama on July 6, 2012. Funding surface transportation programs at over \$105 billion for fiscal years (FY) 2013 and 2014, MAP-21 was the first long-term highway authorization enacted since 2005. To allow more time for development and consideration of a long-term reauthorization of surface transportation programs, Congress has enacted short term extensions of the expiring law, MAP-21.

**Market Incentives** Measures designed to encourage certain actions or behaviors. These include inducements for the use of carpools, buses and other HOVs in place of single-occupant automobile travel. Examples include HOV lanes, preferential parking and financial incentives.

**MCGMAP** Multi-County Goods Movement Action Plan

**MDAB** Mojave Desert Air Basin – Area defined by state law as comprising the desert portions of Los Angeles, Kern, Riverside and San Bernardino Counties.

**MDAQMD** Mojave Desert Air Quality Management District – Local air agency mandated by state and federal regulations to implement and enforce air pollution rules and regulations; encompasses the desert portion of San Bernardino County from the summit of the Cajon Pass north to the Inyo County line, as well as the Palo Verde Valley portion of Riverside County.

**Measure A** Revenues generated from Riverside County’s local half-cent sales tax.

**Measure D** Revenues generated from Imperial County’s local half-cent sales tax.

**Measure I** Revenues generated from San Bernardino County's local half-cent sales tax.

**Measure M** Revenues generated from Orange County's local half-cent sales tax.

**Measure R** Revenues generated from Los Angeles County's local half-cent sales tax. Los Angeles County has two permanent local sales taxes (Propositions C and A) and one temporary local sales tax (Measure R).

**Metrolink** Regional commuter rail system connecting Los Angeles, Orange, Riverside, San Bernardino and Ventura Counties and operated by SCRRA.

**MIS** Major Investment Study – The preliminary study, including preliminary environmental documentation, for choosing alternative transportation projects for federal transportation funding. An MIS is a requirement, which is conducted cooperatively by the study sponsor and the MPO.

**Mixed Flow** Traffic movement having autos, trucks, buses and motorcycles sharing traffic lanes.

**Mode** A particular form of travel (e.g., walking, traveling by automobile, traveling by bus, or traveling by train).

**Mode Split** The proportion of total person trips using various specified modes of transportation.

**Model** A mathematical description of a real-life situation that uses data on past and present conditions to make a projection.

**MPO** Metropolitan Planning Organization – A federally required planning body responsible for transportation planning and project selection in a region.

**MTS** Metropolitan Transportation System – Regional network of roadways and transit corridors.

**Multimodal** A mixture of the several modes of transportation, such as transit, highways, non-motorized, etc.

**NAAQS** National Ambient Air Quality Standards – Targets established by the U.S. Environmental Protection Agency (EPA) for the maximum contribution of a specific pollutant in the air.

**NAFTA** North American Free Trade Agreement – An agreement between the governments of Canada, Mexico and the United States to eliminate barriers to trade and facilitate the cross-border movement of goods and services.

**NCCP** Natural Communities Conservation Plan – Program under the Department of Fish and Game that uses a broad-based ecosystem approach toward planning for the protection of plants, animals and their habitats, while allowing compatible and appropriate economic activity.

**NEPA** National Environmental Protection Act – Federal environmental law that applies to all projects funded with federal funds or requiring review by a federal agency.

**NGV** Natural Gas Vehicle – Vehicles that are powered by internal combustion engines that burn compressed or liquid natural gas.

**NIMS** National Incident Management System – Nationwide template that enables all government, private-sector and non-governmental organizations to work together during a domestic incident.

**Nominal Dollars** Actual dollars expended/received in a specific year without adjustments for inflation/deflation.

**Non-Reportable TCM** The following de minimis committed TCMs are defined in the Final 2015 FTIP Guidelines as non-reportable TCMs for the purpose of TCM timely implementation reporting:

1. Bus/shuttle/paratransit fleet expansion projects with fewer than 5 vehicles
2. Bus stop improvement projects
3. Bicycle facility less than 1 mile and pedestrian facility less than 1/4 mile
4. Intelligent transportation systems/control system computerization projects with fewer than 3 traffic signals,
5. Changeable message sign projects with fewer than 5 signs
6. Bike parking facilities, new or expansion, with nine or fewer bike lockers/slots
7. Expansion of bus station/shelter/transfer facilities with nine or fewer bike lockers/slots and
8. Rail station expansion with addition of nine or fewer bike lockers/slots.

**NOx** Nitrogen oxides – A group of highly reactive gases, all of which contain nitrogen and oxygen in varying amounts. NOx are a major component of ozone and smog and they are one of six principal air pollutants tracked by the EPA.

**NMA** Neighborhood Mobility Areas – Areas Neighborhood Mobility Areas with roadway networks where Complete Streets and sustainability policies support and encourage replacing single and multi-occupant automobile use with biking, walking, skateboarding and slow speed electric vehicles ( such as e-bikes, senior mobility devices and neighborhood electric vehicles.) Complete Streets strategies can include traffic calming, bicycle priority streets (bicycle boulevards) and pedestrian connectivity to increase physical activity, improve connectivity to the regional bikeway/greenway networks, local businesses and parks. NEV strategies include network identification, signage, intersection treatments and shared NEV/bike lanes to connect low speed roadway areas.

**NTD** National Transit Database – The Federal Transit Administration's (FTA) national database for transit statistics.

**O&M** Operations and Maintenance – The range of activities and services provided by the transportation system and for the upkeep and preservation of the existing system.

**OCS** Overhead Catenary System – A type of wayside power where vehicles may connect to and draw power from overhead wires.

**OCTA** Orange County Transportation Authority – Agency responsible for planning and funding countywide transportation improvements, administering the county’s transportation sales tax revenues and operating bus transit service.

**OEM** Original Equipment Manufacturer.

**OLDA** Orangeline Development Authority – Joint exercise of powers authority developed by the cities located along the Orangeline corridor.

**OnTrac** Orange-North America Trade Rail Access Corridor – Formed in April of 2000 to build and support the Orangethorpe Avenue Grade Separation and Trade Corridor project, a 5-mile-long railroad-lowering project that will completely grade separate 11 rail crossings in the cities of Placentia and Anaheim.

**Open Space** Generally understood as any area of land or water which, for whatever reason, is not developed for urbanized uses and which therefore enhances residents’ quality of life. However, note that each county and city in California must adopt an open space element as part of its general plan. The element is a statement of local planning policies focusing on the use of unimproved land or water for 1) the preservation or managed production of natural resources, 2) outdoor recreation and 3) the promotion of public health and safety. Therefore, open space will be defined by each jurisdiction based on their own unique resources and environment.

**OWP** Overall Work Program – SCAG develops an OWP annually, describing proposed transportation planning activities for the upcoming fiscal year, including those required by federal and state law.

**Parking Cash-Out Program** An employer-funded program under which an employer offers to provide a cash allowance to an employee equivalent to the parking subsidy that the employer would otherwise pay to provide the employee with a parking space.

**Parking Subsidy** The difference between the out-of-pocket amount paid by an employer on a regular basis in order to secure the availability of an employee parking space not owned by the employer and the price, if any, charged to an employee for use of that space.

**PMT** Passenger Miles Traveled – The cumulative sum of the distances ridden by each public transportation passenger.

**PATH** Partners for Advanced Transit and Highways – Joint venture of Caltrans which includes the University of California and other public and private academic institutions and industries.

**PEIR** Program Environmental Impact Report – An information document that analyzes and discloses potential environmental effects of large-scale plans or programs in accordance with provisions of the California Environmental Quality Act (CEQA).

**PeMS** Highway Performance Measurement System – A service provided by the University of California, Berkeley, to collect historical and real-time highway data from highways in the state of California in order to compute highway performance measures.

**Person Trip** A trip made by a person by any mode or combination of modes for any purpose.

**PEV** Plug-in Electric Vehicle – Refers to all vehicles that can be plugged into an external source of electricity in order to recharge an on-board battery which will provide some or all power to an electric engine.

**PHEV** Plug-in Hybrid Electric Vehicle – A vehicle powertrain that combines an electric engine with a traditional internal combustion engine. The two engines can operate in parallel with the electric engine operating at certain speeds, or the engines can operate sequentially, with all power being provided by the electric engine until the battery power is exhausted.

**PHL** Pacific Harbor Line, Inc.

**PM 10** Particulate Matter – A mixture of solid particles and liquid droplets found in the air 10 micrometers or less in size (a micrometer is one-millionth of a meter). These coarse particles are generally emitted from sources such as vehicles traveling on unpaved roads, materials handling and crushing and grinding operations, as well as windblown dust.

**PM 2.5** Particulate Matter – A mixture of solid particles and liquid droplets found in the air 2.5 micrometers or less in size (a micrometer is one-millionth of a meter). These fine particles result from fuel combustion from motor vehicles, power generation and industrial facilities, as well as from residential fireplaces and wood stoves.

**PMD** LA/Palmdale Regional Airport – Regional airport located in Palmdale.

**POLA** Port of Los Angeles.

**POLB** Port of Long Beach.

**PPP** Public-Private Partnership – Contractual agreements formed between a public agency and private-sector entity that allow for greater private-sector participation in the delivery of transportation projects.

**PRC** Peer Review Committee – An “informal” committee of technical experts usually organized and invited to review and comment on various technical issues and processes used in the planning process.

**Proposition 1A** Passed by voters in 2006, Proposition 1A protects transportation funding for traffic congestion relief projects, safety improvements and local streets and roads. It also prohibits the state sales tax on motor vehicle fuels from being used for any purpose other than transportation improvements and authorizes loans of these funds only in the case of severe state fiscal hardship.

**Proposition 1B** Highway Safety, Traffic Reduction, Air Quality and Port Security State of California – Passed in November 2006, Proposition 1B provides \$19.9 billion to fund state and local transportation improvement projects to relieve congestion, improve movement of goods, improve air quality and enhance safety and security of the transportation system.

**Proposition A** Revenues generated from Los Angeles County’s local half-cent sales tax. Los Angeles County has two permanent local sales taxes (Propositions C and A) and one temporary local sales tax (Measure R).

**Proposition C** Revenues generated from Los Angeles County’s local half-cent sales tax. Los Angeles County has two permanent local sales taxes (Propositions C and A) and one temporary local sales tax (Measure R).

**PSR** Project Study Report – Defines and justifies the project’s scope, cost and schedule. PSRs are prepared for state highway projects and PSR equivalents are prepared for projects not on the State Highway System. Under state law, a PSR or PSR equivalent is required for STIP programming.

**PTA** Public Transportation Account – The major state transportation account for mass transportation purposes. Revenues include a portion of the sales tax on gasoline and diesel fuels.

**Public Transportation** As defined in the Federal Transit Act, “Transportation by a conveyance that provides regular and continuing general or special transportation to the public, but does not include school bus, charter, or intercity bus transportation or intercity passenger rail transportation provided by the entity described in chapter 243 (Amtrak or a successor to such entity).”

**PUC** Public Utilities Commission – Regulates privately owned telecommunications, electric, natural gas, water, railroad, rail transit and passenger transportation companies.

**Railroad Siding** A short stretch of railroad track used to store rolling stock or enable trains on the same line to pass; also called sidetrack.

**RBN** Regional Bikeway Network – A system of regionally interconnected bikeways linking cities and counties in the SCAG region.

**RC** Regional Council – Conducts the affairs of SCAG; implements the General Assembly’s policy decisions; acts upon policy recommendations from SCAG policy committees and external agencies; appoints committees to study specific problems; and amends, decreases or increases the proposed budget to be reported to the General Assembly.

**RCP** Regional Comprehensive Plan – Developed by SCAG, the RCP is a vision of how Southern California can balance resource conservation, economic vitality and quality of life. It will serve as a blueprint to approach growth and infrastructure challenges in an integrated and comprehensive way.

**RCTC** Riverside County Transportation Commission – Agency responsible for planning and funding countywide transportation improvements and administering the county’s transportation sales tax revenues.

**RGN** Regional Greenway Network – A regional system of bikeways physically separate from traffic. It makes use of riverbeds and under-utilized utility corridors. It is part of the Regional Bikeway Network (RBN).

**RHNA** Regional Housing Needs Assessment – Quantifies the need for housing within each jurisdiction of the SCAG region based on population growth projections. Communities then address this need through the process of completing the housing elements of their General Plans.

**Ridesourcing** A generic term coined by researchers at University of California, Berkeley for the act of using a Transportation Network Company such as Lyft or Uber. The term distinguishes this mode from car sharing and from taxi use. A user is “sourcing” a ride from an online community, in exchange for a brokered payment.

**Riparian Area** Habitats, vegetation, and ecosystems adjacent to or part of rivers and streams.

**Robust Flight Portfolio** Providing a range of flight offerings in different haul length categories including short-haul, medium-haul, long-haul and international flights.

**ROG** Reactive Organic Gas – Organic compounds assumed to be reactive at urban/regional scales. Those organic compounds that are regulated because they lead to ozone formation.

**RSTIS** Regionally Significant Transportation Investment Study – Involves identifying all reasonable transportation options, their costs and their environmental impacts. RSTIS projects are generally highway or transit improvements that have a significant impact on the capacity, traffic flow, level of service, or mode share at the transportation corridor or sub-area level.

**RSTP** Regional Surface Transportation Program – Established by California state statute utilizing federal Surface Transportation Program funds. Approximately 76 percent of the state’s RSTP funds must be obligated on projects located within the 11 urbanized areas of California with populations of 200,000 or more.

**RTMS** Regional Transportation Monitoring System – Internet-based transportation monitoring system. The RTMS will be the source for real-time and historical transportation data collected from local, regional and private data sources.

**RTP** Regional Transportation Plan – Federally required 20-year plan prepared by metropolitan planning organizations and updated every four years. Includes projections of population growth and travel demand, along with a specific list of proposed projects to be funded.

**RTSS** Regional Transit Security Strategy – Strategy for the region with specific goals and objectives related to the prevention, detection, response and recovery of transit security issues.

**Rural Areas** Rural locales consist of all of the areas within the SCAG region that are not within Urban Areas (please see definition).

**SAFETEA-LU** Safe, Accountable, Flexible, Efficient Transportation Equity Act A Legacy for Users – Signed into law by President Bush on August 10, 2005, it authorized the federal surface transportation programs for highways, highway safety and transit for the 5-year period of 2005–2009.

**SANBAG** San Bernardino Associated Governments – The council of governments and transportation planning agency for San Bernardino County. SANBAG is responsible for cooperative regional planning and developing an efficient multimodal transportation system countywide.

**SANDAG** San Diego Association of Governments.

**SB 45** Senate Bill 45 (Chapter 622, Statutes of 1997, Kopp) – Established the current STIP process and shifted control of decision-making from the state to the regional level.

**SB 375** Senate Bill 375 (Chapter 728, Steinberg) – Established to implement the state’s greenhouse gas (GHG) emission-reduction goals, as set forth by AB 32, in the sector of cars and light trucks. This mandate requires the California Air Resources Board to determine per capita GHG emission-reduction targets for each metropolitan planning organization (MPO) in the state at two points in the future—2020 and 2035. In turn, each MPO must prepare a Sustainable Communities Strategy (SCS) that demonstrates how the region will meet its GHG reduction target through integrated land use, housing and transportation planning.

**SB 535** Senate Bill 535 (Chapter 830, De León) – Established that a quarter of the proceeds from the Greenhouse Gas Reduction Fund must also go to projects that provide a benefit to disadvantaged communities. A minimum of 10 percent of the funds must be for projects located within those communities. The legislation gives the California Environmental Protection Agency responsibility for identifying those communities.

**SB 974** Senate Bill 974 – Introduced by Senator Alan Lowenthal, SB 974 would impose a \$30 fee on each shipping container processed at the Ports of Los Angeles, Long Beach and Oakland for congestion management and air quality improvements related to ports.

**SBD** San Bernardino International Airport – International airport located in San Bernardino.

**SCAB** South Coast Air Basin – Comprises the non-Antelope Valley portion of Los Angeles County, Orange County, Riverside County and the non-desert portion of San Bernardino County.

**SCAG** Southern California Association of Governments – The metropolitan planning organization (MPO) for six counties including Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura.

**SCAQMD** South Coast Air Quality Management District – The air pollution control agency for Orange County and major portions of Los Angeles, Riverside and San Bernardino Counties in Southern California.

**SCCAB** South Central Coast Air Basin – Comprises San Luis Obispo, Santa Barbara and Ventura Counties.

**SCIG** Southern California International Gateway, a proposed rail near-dock facility for the BNSF adjacent to the SPB ports.

**SCRIFA** Southern California Railroad Infrastructure Financing Authority.

**Scrip** A form of fare payment transferrable among transportation providers, often issued by Dial-A-Ride transit service providers to be used on taxis.

**SDOH** Social Determinants of Health – Includes the circumstances in which people are born, grow up, live, work, play and age. Economic opportunities, government policies and the built environment all play a role in shaping these circumstances and influencing public health outcomes.

**SED** Socioeconomic Data – Population, employment and housing forecast.

**SFS** Sustainable Freight Strategy – A new plan underway by ARB.

**SGC** The Strategic Growth Council is a state agency tasked with encouraging the development of sustainable communities.

**SHA** State Highway Account – The major state transportation account for highway purposes. Revenues include the state excise taxes on gasoline and diesel fuel and truck weight fees.

**Shared Mobility Services** Refers to a wide variety of new mobility services and encompasses bike share, car share, app-based transit services and ridesourcing. This term refers to the way in which these modes are offered as services brokered by a mobile application and each vehicle is shared amongst multiple users.

**SHOPP** State Highway Operation and Protection Program – A four-year capital improvement program for rehabilitation, safety and operational improvements on state highways.

**SHSP** Strategic Highway Safety Plan – A statewide, coordinated safety plan that provides a comprehensive framework for reducing fatalities and severe injuries to motorists, pedestrians, and bicyclists on all public roads. SHSP goals and objectives are data-driven and results are measured. Actions designed to achieve the objectives are developed by hundreds of safety stakeholders from the four E's of highway safety: engineering, education, enforcement and emergency medical services. In California, Caltrans coordinates the effort to develop the plan.

**SIP** State Implementation Plan – State air quality plan to ensure compliance with state and federal air quality standards. In order to be eligible for federal funding, projects must demonstrate conformity with the SIP.

**Smart Growth Principles** The following principles developed by the Smart Growth Network, a partnership of government, business and civic organizations created in 1996:

1. Mix land uses
2. Take advantage of compact building design
3. Create a range of housing opportunities and choices
4. Create walkable neighborhoods
5. Foster distinctive, attractive communities with a strong sense of place
6. Preserve open space, farmland, natural beauty and critical environmental areas
7. Strengthen and direct development towards existing communities
8. Provide a variety of transportation choices
9. Make development decisions predictable, fair and cost effective
10. Encourage community and stakeholder collaboration in development decisions

**Social Equity** Equal opportunity in a safe and healthy environment.

**SOV** Single-Occupant Vehicle – Privately operated vehicle that contains only one driver or occupant.

**SOx** Sulfur oxide – Any of several compounds of sulfur and oxygen, formed from burning fuels such as coal and oil.

**SPB Ports** San Pedro Bay Ports.

**SRTS** Safe Routes to School – Part of a nationwide/region-wide program to increase students walking or biking to school. Includes engineering, educational and enforcement activities. Funded through the State Active Transportation Program (ATP).

**SSAB** Salton Sea Air Basin – Comprises the Coachella Valley portion of Riverside County and all of Imperial County.

**STA** State Transit Assistance – State funding program for mass transit operations and capital projects. Current law requires that STA receive 50 percent of PTA revenues.

**STIP** State Transportation Improvement Program – A five-year capital outlay plan that includes the cost and schedule estimates for all transportation projects funded with any amount of state funds. The STIP is approved and adopted by the CTC and is the combined result of the ITIP and the RTIP.

**STP** Surface Transportation Program – Provides flexible funding that may be used by states and localities for projects on any federal-aid highway, bridge projects on any public road, transit capital projects and intracity and intercity bus terminals and facilities. A portion of funds reserved for rural areas may be spent on rural minor collectors.

**Sustainability** The practice of analyzing the impact of decisions, policies, strategies and development projects on the Economy, the Environment and Social Equity (commonly referred to as the three E's). In the 2008 Agency Strategic Plan, SCAG adopted the following definition of Sustainability as one of its core operational values: "We work with our partners and local governments to achieve a quality of life that provides resources for today's generation while preserving an improved quality of life for future generations."

**TANN** Traveler Advisory News Network – Provides real-time traffic and transportation information content to communications service providers and consumer media channels both nationally and internationally.

**TAZ** Traffic Analysis Zone – Zone system used in travel demand forecasting.

**TC** Transportation Committee – Committee used to study problems, programs and other matters which pertain to the regional issues of mobility, air quality, transportation control measures and communications.

**TCM** Transportation Control Measure – A project or program that is designed to reduce emissions or concentrations of air pollutants from transportation sources. TCMs are referenced in the State Implementation Plan (SIP) for the applicable air basin and have priority for programming and implementation ahead of non-TCMs.

**TCWG** Transportation Conformity Working Group – Forum used to support interagency coordination to help improve air quality and maintain transportation conformity.

**TDA** Transportation Development Act – State law enacted in 1971 that provided a 0.25 percent sales tax on all retail sales in each county for transit, bicycle and pedestrian purposes. In non-urban areas, funds may be used for streets and roads under certain conditions.

**TDM** Transportation Demand Management – Strategies that result in more efficient use of transportation resources, such as ridesharing, telecommuting, park-and-ride programs, pedestrian improvements and alternative work schedules.

**TEA-21** Transportation Equity Act for the 21st Century – The predecessor to SAFETEA-LU, it was signed into federal law on June 9, 1998. TEA-21 authorized the federal surface transportation programs for highways, highway safety and transit for the six-year period of 1998–2003. TEA-21 builds upon the initiatives established in ISTEA.

**TEU** Twenty-Foot Equivalent Unit – A measure of shipping container capacity.

**TIFIA** Transportation Infrastructure Finance and Innovation Act of 1998 – Established a new federal credit program under which the U.S. DOT may provide three forms of credit assistance—secured (direct) loans, loan guarantees and standby lines of credit—for surface transportation projects of national or regional significance. The program’s fundamental goal is to leverage federal funds by attracting substantial private and other non-federal co-investment in critical improvements to the nation’s surface transportation system. Sponsors may include state departments of transportation, transit operators, special authorities, local governments and private entities.

**TNC** Transportation Network Companies – This is the technical term for ridesourcing companies used by the California Public Utilities Commission in order to create a new class of mobility provider distinguished from taxi companies and limousines.

**TOD** Transit-Oriented Development – A planning strategy that explicitly links land-use and transportation by focusing mixed housing, employment and commercial growth around bus and rail stations (usually within ½ mile). TODs can reduce the number and length of vehicle trips by encouraging more bicycle/pedestrian and transit use and can support transit investments by creating the density around stations to boost ridership.

**TP&D** Transportation Planning and Development Account – A state transit trust fund that is the funding source for the STA program.

**TSP** Transit Signal Priority – A set of operational improvements that use technology to facilitate the movement of transit vehicles and reduce their dwell time at traffic signals by holding green lights longer or shortening red lights. TSP may be implemented at individual intersections or across corridors or entire street systems. Objectives of TSP include improved schedule adherence and improved transit travel time efficiency while minimizing impacts to normal traffic operations.

**Trantrak** RTIP Database Management System.

**TSWG** Transportation Security Working Group – Advises the operating organizations on transportation safety matters associated with the transfer or shipment of hazardous materials.

**TUMF** Transportation Uniform Mitigation Fee – Ordinance enacted by the Riverside County Board of Supervisors and cities to impose a fee on new development to fund related transportation improvements.

**TZEV** Transitional Zero Emissions Vehicles – Terminology used by the Air Resources Board (ARB) to refer to Plug-in Hybrid Electric Vehicles, since these vehicles produce emissions when they are powered by the internal combustion engine.

**Union Station** Los Angeles Union Station is the main railway station in Los Angeles.

**UPT** Unlinked Passenger Trips – The number of passengers who board public transportation vehicles. Passengers are counted each time they board vehicles no matter how many vehicles they use to travel from their origin to their destination.

**UP** Union Pacific Railroad.

**Urban Areas** Urban Areas in the SCAG region represent densely developed territory, and encompass residential, commercial and other non-residential urban land uses where population is concentrated over 2,500 people in a given locale.

**Urban Growth Boundary** A regional boundary that seeks to contain outward urban expansion by limiting development outside of the boundary, while focusing new growth within the boundary. Urban growth boundaries lead to the preservation of natural and agricultural lands, redevelopment and infill in existing communities and optimization of existing infrastructure and transportation investments.

**U.S. DOT** U.S. Department of Transportation – Federal agency responsible for the development of transportation policies and programs that contribute to providing fast, safe, efficient and convenient transportation at the lowest cost consistent with those and other national objectives, including the efficient use and conservation of the resources of the United States. U.S. DOT is comprised of ten operating administrations, including FHWA, FTA, FAA and FRA.

**Value Pricing** A user fee applied during peak demand periods on congested roadways to improve the reliability and efficiency of the transportation system and provide travelers with greater choices.

**VCTC** Ventura County Transportation Commission – Agency responsible for planning and funding countywide transportation improvements.

**Vehicle Hours of Delay** The travel time spent on the highway due to congestion. Delay is estimated as the difference between vehicle hours traveled at a specified free-flow speed and vehicle hours traveled at a congested speed.

**VRH** Vehicle Revenue Hours – The hours that a public transportation vehicle actually travels while in revenue service. Vehicle revenue hours include layover/recovery time, but exclude deadheading, operator training, vehicle maintenance testing and school bus and charter services.

**VRM** Vehicle Revenue Miles – The miles that a public transportation vehicle actually travels while in revenue service. Vehicle revenue miles include layover/recovery time, but exclude deadheading, operator training, vehicle maintenance testing and school bus and charter services.

**VHDD** Vehicle Hours of Daily Delay – Hours of delay attributed to congestion for vehicles each day.

**VMT** Vehicle Miles Traveled – On highways, a measurement of the total miles traveled by all vehicles in the area for a specified time period. It is calculated by the number of vehicles times the miles traveled in a given area or on a given highway during the time period. In transit, the number of vehicle miles operated on a given route or line or network during a specified time period.

**VOC** Volatile Organic Compounds – Organic gases emitted from a variety of sources, including motor vehicles, chemical plants, refineries, factories, consumer and commercial products and other industrial sources. Ozone, the main component of smog, is formed from the reaction of VOCs and NOx in the presence of heat and sunlight.

**ZEV** Zero Emissions Vehicles – Vehicles that produce no tailpipe emissions of criteria pollutants. Generally, ZEVs feature electric powertrains. Technically, ZEVs are still responsible for some greenhouse gas (GHG) emissions, as the GHG content from the electricity generation must be accounted for.

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- Highways & Arterials
- Mobility Innovations
- Natural & Farm Lands
- Passenger Rail
- Performance Measures
- Project List
- Public Health
- Public Participation & Consultation
- SCS Background Documentation
- Transit
- Transportation Conformity Analysis
- Transportation Finance
- Transportation Safety & Security

## ACKNOWLEDGMENTS

### EXECUTIVE MANAGEMENT

**Executive Director** Hasan Ikhata

**Deputy Executive Director, Administration** Debbie Dillon

**Chief Financial Officer** Basil Panas

**Chief Counsel/Director of Legal Services** Joann Africa

**Chief Information Officer Information Technology** Catherine Kirschbaum

**Director of Land Use and Environmental Planning** Huasha Liu

**Director of Strategy, Policy & Public Affairs** Darin Chidsey

**Acting Director of Transportation Planning** Naresh Amatya

### TRANSPORTATION PLANNING

Naresh Amatya, Acting Director | Ed Rodriguez

#### Transportation

Courtney N. Aguirre | Daniel M. Tran

Aviation Ryan N. Hall

#### Goods Movement & Transportation Finance

Annie Nam, Manager | Mike Jones | Rajeev Seetharam

Warren Whiteaker | Alison Linder Wilkinson | Akiko Yamagami

#### Transit/Rail

Philip Law, Manager

High Speed Rail Stephen G. Fox

Transit Matthew Gleason

#### Federal Transportation Improvement Program

Maria I. Lopez, Manager | John Asuncion | Agustin Barajas

Stephanie Chin | Pablo Gutierrez | Mariana Peterson | Kurt Walker

#### Interns

David Christie | Jacqueline Martinez | Sheng'ao Xie

## LAND USE & ENVIRONMENTAL PLANNING

Huasha Liu, Director | Cathy Alvarado

### Compliance & Performance Monitoring

Ping Chang, Acting Manager | Anita Au | Michael F. Gainor  
Ma'Ayn Johnson | Rongsheng Luo | Roland H. Ok | Lijin Sun

### Modeling & Forecasting

Guoxiong Huang, Manager | Cheryl Leising

Transportation Models Hao Cheng | Hsi-Hwa Hu | Kihong Kim  
Mana Sangkapichai | Yang Wang

Land Use Model Bayarmaa Aleksandr

Data Analysis & Dissemination Sreedhar Nambisan

Small Area Forecasting Sungbin Cho | Cheol Ho Lee | Sung Ho Ryu  
Ying Zhou

Air Quality /Conformity Modeling JungA Uhm | Sung Su Yoon

### Sustainability

Jason Greenspan, Manager

Sustainability Land Use Planning Marco Anderson | Chris Tzeng

Green Region/Climate Action Plans Grieg Asher

Natural/Farm Lands India Brookover | Kristen Pawling

### Active Transportation & Special Programs Department

Sarah J. Jepson, Manager | Rye D. Baerg | Alek Bartrosouf  
Julia Lippe-Klein | Stephen T. Patchan | Alan Thompson

### Research & Analysis Department

Frank Wen, Manager | Javier Aguilar | Joongkoo Cho | Simon Choi  
Kimberly S. Clark | Derek Hung | Jung H. Seo | Tom M. Vo | Ping Wang

### Interns

Marc Caswell | Neha Ganesh | Steven Counts Imara | JiSu Lee  
Sean O. Calvin | Yunsheng Luo | Andrew Matsas | Xing Ming  
Michael Mroczek | Olivia Offutt | Andrew Pasillas | Tuo Sun  
Dongwoo Yang | Siyuan Yin | Yuan Zeng | Yanlin Zhou

## STRATEGY, POLICY & PUBLIC AFFAIRS

Darin Chidsey, Director | Jane Embry

### Legislation

Jeff Dunn | Houston Brooks Laney

### Regional Services

Mark Butala, Manager | Linda Jones | Arnold San Miguel  
Joseph A. Briglio | Kevin J. Gilhooley | Tomas Oliva | Javiera Cartagena  
Joseph B. Cisneros

### Media & Public Affairs

Jeff W. Liu, Manager | Ludlow Brown | Diana Chamberlain  
Margaret de Larios | Carolyn Hart | Denise Marie Silva

### Office of Regional Council Support

Tess Rey-Chaput, Acting Clerk of the Board | Kristen Pun

### Interns

Eduardo Reyes | Lu Tian

### Agency Staff

Rene Dominguez | Lon Levy | Miyuki Sena

## LEGAL SERVICES

Joann Africa, Chief Counsel | Justine Block, Deputy Legal Counsel

## ADMINISTRATION

Debbie Dillon, Deputy Executive Director | Tonia Reeves Jackson

### Finance

Basil Panas, Chief Financial Officer | Richard Howard Joshua D. Margraf  
Carmen Summers

**Accounting** Joan Chen, Manager | Debbie Chen | Judith Kim  
Jimmy J. Lim | Carol Ng | Nino O. Ocampo | Marion D. Russell  
Anthony Taylor | Yichin Wu

**Budget & Grants** Erika Bustamante, Manager | Karen J. Aceves  
Alfonso Hernandez | Fiona L. Ly | Andrew Mora

**Contracts** Leyton Morgan, Manager | Laura Aguilar | Ted Dorjee  
Santee Scott | Lori Tapp Ranjini Zucker

### Information Technology

Catherine Kirschbaum, Chief Information Officer | Modesto Tojin

**IT Projects** Leigh Guannu, Project Manager | Ruth Abney  
Hamlet Garibyan

**IT Application Development** Alex Yu, Manager | Gurpreet Kaur  
Jianhong Sun

**IT Services** David Milner, Operations Supervisor | John D. Barrett  
Patricia Camacho Jennifer M. Martinez | Edward Venegas

### Human Resources

Carmen Flores, Manager | Felicia Durrah | Adriana Madrigal-Muñoz  
Corine Milner

### Interns

Amanda N. Tsao | Erick D. Vasquez