



CCTA Vision Zero Database

Database Variables

Category/Feature Dataset Name	Data	Data Type	Feature Class Name
Collisions (Source: TIMS/SWITRS, 2008- 2017)	Presence of collisions (2007-2018)	Point	Collisions_contextual
	Collision Severity	Attribute	BikeSevInj PedSevInj VehSevInj
	Collision Type	Attribute	Type_of_Collision
	Violation Category	Attribute	PCF_Violation_Category
	Primary Collision Factor Violation Code	Attribute	Primary_coll_factor
	Pedestrian Action	Attribute	Ped_Action
	At intersection or mid-block location	Attribute	DIST_Skewed_angle_int DIST_interchanges DIST_signalized DIST_unsignalized
	Driver Behavior (turning left, right)	Attribute	Move_pre_acc
	Victim Behavior (turning left, right)	Attribute	Move_pre_acc
	Victim's Age	Attribute	AvgVAGE
	HIN	Line	HIN_all_0203 HIN_bike_0203 HIN_ped_0203



Pedestrian Facilities (Source: Ecopia Tech data collection)	Presence of crosswalks	Polygon	Crosswalks
	Type of crosswalk (e.g. continental, ladder)	Polygon, range	Crosswalks
	Crosswalk location (mid-block vs. intersection)	Polygon, binary	Midblock_Crosswalks
	Presence of sidewalks + sidewalk width	Line, range	sidewalks
	Presence of advance yield limit lines (i.e. sharks teeth)	Point	Crosswalk_SharkPoint
Bike Facilities (Source: 2018 CBPP)	Presence of bicycle facilities	Line, range	Backbone_Bicycle_Network Trails Bike_Facilities_T1_T3
Roadways (Source: Ecopia Tech (width), OpenStreetsMap (OSM) & Caltrans (classification))	Roadway width	Line, range	Road_Centerlines
	Roadway classification	Line, range	Road_Facilities_Class
Intersection Approaches (Source: OSM or inferred based on functional class)	Number of lanes (inferred)	Line, range	OSM_Intersection_Approaches
	Operating speed or speed limit (inferred)	Attribute	Sum_Lanes_num
Intersections (Source: inferred based on functional class (traffic control), Ecopia Tech (skewed angle, channelized turns))	Signal Inventory / Traffic Control (i.e. signalized, stop-controlled) (inferred)	Point, binary	Intersections
	Skewed angle intersection (intersection geometry)	Point, binary	Skewed_angle_int
	Presence of channelized right turn lanes	Point, binary	Channelizedrights_osm Channelizedrights_ecopia
Interchanges (Source: OSM)	Presence of interchange	Point	Interchange_Points



Demographics (Sources: Census data, MTC, CalEnviroScreen)	MTC's Communities of Concern	Polygon (Census Tract)	Communities of Concern
	CalEnviroScreen 3.0 results	Polygon (Census Tract)	CalEnviroScreen_2018
	Presence of Seniors	Polygon (Census Tract)	CalEnviroScreen_2018 ("pct_over75"); Communities of Concern ("Elderly > 65")
Schools (Source: 2018 CBPP)	Presence of schools	Point	Schools_Point
Transit (Source: 2018 CBPP (rail) and local transit agencies (bus))	Presence of rail transit stations	Point	Rail_Transit
	Presence of bus stations	Point	CCCTA_Stops