Vision California (UrbanFootprint) Base Grid Variables
Version 1 (July 2012)

Variable Name	Definition
ID_Grid	Grid ID
County	County Name
UrbanFootprint Land Development Classification	
Placetype_ID	Placetype code
Urban_LDC	Urban Land Development Category grid cell flag (boolean)
Compact_LDC	Compact Land Development Category grid cell flag (boolean)
Standard_LDC	Standard Land Development Category grid cell flag (boolean)
Area Variables by Use and Landtype	
Parcel_SqFt	Parcel square feet
Acres_Grid	Grid cell acres (approx 5.55987)
Acres_Grid_Urban	Urban grid cell acres
Acres_Grid_GF	Greenfield grid field acres
Acres_Grid_Con	Constrained grid field acres
Acres_Parcel	Parcel acres
Acres_Parcel_Urban	Urban parcel acres
Acres_Parcel_GF	Greenfield parcel acres
Acres_Parcel_Con	Constrained parcel acres
Acres_Parcel_Res	Parcel acres with dwelling units *exclusively*
Acres_Parcel_Res_DetSF	Parcel acres with detached single family dwelling units (*not exclusive:* could have commercial or other residential types)
Acres_Parcel_Res_DetSF_SL	Parcel acres with small lot detached single family dwelling units (< 5500 sq ft) (*not exclusive:* could have commercial or other residential types)
Acres_Parcel_Res_DetSF_LL	Parcel acres with large lote detached single family dwelling units (> 5500 sq ft) (*not exclusive:* could have commercial or other residential types)
Acres_Parcel_Res_MF	Parcel acres with multi-family dwelling units (*not exclusive:* could have commercial or other residential types)
Acres_Parcel_Emp	Parcel acres with jobs *exclusively*
Acres_Parcel_Emp_Off	Parcel acres with office jobs (*not exclusive:* could have residential or other commercial types)
Acres_Parcel_Emp_Ret	Parcel acres with retail jobs (*not exclusive:* could have residential or other commercial types)
Acres_Parcel_Emp_Ind	Parcel acres with industrial jobs (*not exclusive:* could have residential or other commercial types)
Acres_Parcel_Emp_Ag	Parcel acres with agricultural jobs (*not exclusive:* could have residential or other commercial types)
Acres_Parcel_Emp_Mixed	Parcel acres with more than one job type (*not exclusive:* could also have residential)
Acres_Parcel_Mixed	Parcel acres with *both* dwelling units and jobs
Acres_Parcel_Mixed_w_Off	Parcel acres with both dwelling units and retail and office jobs (*not exclusive:* could have other commercial types)
Acres_Parcel_Mixed_no_Off	Parcel acres with both dwelling units and retail jobs (*not exclusive:* could have other commercial types, but will not include office)
Acres_Parcel_No_Use	Parcel acres with *neither* dwelling units or jobs
Acres_Parcel_Urban_Res	Urban parcel acres with dwelling units *exclusively*
Acres_Parcel_Urban_Emp	Urban parcel acres with jobs *exclusively*
Acres_Parcel_Urban_Mixed	Urban parcel acres with *both* dwelling units and jobs
Acres_Parcel_Urban_No_Use	Urban parcel acres with *neither* dwelling units or jobs
Acres_Parcel_GF_Res	Greenfield parcel acres with dwelling units *exclusively*
Acres_Parcel_GF_Emp	Greenfield parcel acres with jobs *exclusively*
Acres_Parcel_GF_Mixed	Greenfield parcel acres with *both* dwelling units and jobs
Acres_Parcel_GF_No_Use	Greenfield parcel acres with *neither* dwelling units or jobs
Acres_Parcel_Con_Res	Constrained parcel acres with dwelling units *exclusively*
Acres_Parcel_Con_Emp	Constrained parcel acres with jobs *exclusively*
Acres_Parcel_Con_Mixed	Constrained parcel acres with *both* dwelling units and jobs
Acres_Parcel_Con_No_Use	Constrained parcel acres with *neither* dwelling units or jobs
Emp_Irrigated_SqFt	Commercial irrigated parcel square feet
Res_Irrigated_SqFt	Residential irrigated parcel square feet
Density Variables	
Gross_DU_Dens	Dwelling units per grid cell acre
Gross_HH_Dens	Households per grid cell acre
Gross_Pop_Dens	Population per grid cell acre
Gross_Emp_Dens	Jobs per grid cell acre
Gross_Tot_Dens	Population plus jobs per grid cell acre
Net_DU_Dens	Dwelling units per parcel acre
Net_HH_Dens	Households per parcel acre
Net_Pop_Dens	Population per parcel acre
Net_Emp_Dens	Jobs per parcel acre
Net_Tot_Dens	Population plus jobs per parcel acre
Use_DU_Dens	Dwelling units per residential and mixed use acre
Use_HH_Dens	Households per residential and mixed use acre
Use_Pop_Dens	Population per residential and mixed use acre
Use_Emp_Dens	Jobs per grid employement and mixed use acre

Dwelling Unit Variables	
DU	*Number* of dwelling units
DU_DetSF	*Number* of detached single family dwelling units
DU_DetSF_SL	*Number* of small lot (under 5500 sq ft) detached single family dwelling units (includes mobile home lots)
DU_DetSF_LL	*Number* of large lot (5500 sq ft or more) detached single family dwelling units
DU_AttSF	*Number* of attached single family dwelling units
DU_MF2to4	*Number* of dwelling units in multifamily buildings with 2-4 units
DU_MF5p	*Number* of dwelling units in multifamily buildings with 5 units and more
DU_MF	*Number* of dwelling units in multifamily buildings
DU_Occ_Rate	*Occupancy Rate*
Household Variables	
HH	*Number* of households
HH_Avg_Size	*Average* number of people per household
HH_Avg_Children	*Average* number of children (under 18) per household
HH_Own_Occ	*Number* of households that are owner occupied
HH_Rent_Occ	*Number* of housheolds that are renter occupied
HH_Own_Occ_Pct	*Percent* of households that are owner occupied
HH_Rent_Occ_Pct	*Percent* of households that are renter occupied
HH_Inc_00_10	*Number* of households with income under $10,000
HH_Inc_10_20	*Number* of housheolds with income between $10,000-19,999
HH_Inc_20_30	*Number* of housheolds with income between $20,000-29,999
HH_Inc_30_40	*Number* of housheolds with income between $30,000-39,999
HH_Inc_40_50	*Number* of housheolds with income between $40,000-49,999
HH_Inc_00_50	The sum of *HH_Inc_00_10, HH_Inc_10_20, HH_Inc_20_30, HH_Inc_30_40,* and *HH_Inc_40_50*
HH_Inc_50_60	*Number* of housheolds with income between $50,000-59,999
HH_Inc_60_75	*Number* of housheolds with income between $60,000-74,999
HH_Inc_50_75	The sum of *HH_Inc_50_60* and *HH_Inc_60_75*
HH_Inc_75_100	*Number* of households with income between $75,000-99,999
HH_Inc_100p	The sum of *HH_Inc_100_125, HH_Inc_125_150, HH_Inc_150_200,* and *HH_Inc_200p*
HH_Inc_100_125	*Number* of households with income between $100,000-124,999
HH_Inc_125_150	*Number* of housheolds with income between $125,000-149,999
HH_Inc_150_200	*Number* of households with income between $150,000-199,999
HH_Inc_200p	*Number* of households with income $200,000 and up
HH_Inc_00_10_Pct	*Percent* of households with income under $10,000
HH_Inc_10_20_Pct	*Percent* of housheolds with income between $10,000-19,999
HH_Inc_20_30_Pct	*Percent* of housheolds with income between $20,000-29,999
HH_Inc_30_40_Pct	*Percent* of housheolds with income between $30,000-39,999
HH_Inc_40_50_Pct	*Percent* of households with income between $40,000-49,999
HH_Inc_50_60_Pct	*Percent* of housheolds with income between $50,000-59,999
HH_Inc_60_75_Pct	*Percent* of households with income between $60,000-74,999
HH_Inc_75_100_Pct	*Percent* of households with income between $75,000-99,999
HH_Inc_100p_Pct	*Percent* of households with income $100,000 and up
HH_Inc_100_125_Pct	*Percent* of housheolds with income between $100,000-124,999
HH_Inc_125_150_Pct	*Percent* of housheolds with income between $125,000-149,999
HH_Inc_150_200_Pct	*Percent* of households with income between $150,000-199,999
HH_Inc_200p_Pct	*Percent* of households with income $200,000 and up
HH_Avg_Inc	*Average* household income
HH_Agg_Inc	*Total* (aggregate) income for grid cell
HH_Veh0	*Number* of households with no vehicles
HH_Veh1	*Number* of one vehicle households
HH_Veh2	*Number* of two vehicle households
HH_Veh3p	*Number* of three or more vehicle households
HH_Avg_Veh	*Average* number of vehicles per household
HH_Agg_Veh	*Number* of household vehicles for grid cell
HH1	*Number* of single person households
HH2	*Number* of two person households
HH3	*Number* of three person households
HH4	*Number* of four person households
HH5	*Number* of fiver or more person households

Population Variables	
Pop	Residential Population (not in group quarters)
Pop_Female	*Number* of people who are female
Pop_Male	*Number* of people who are male
Pop_Female_Pct	*Percent* of population who is female
Pop_Male_Pct	*Percent* of population who is male
Pop_White_Not_Hisp	*Number* of people who are white and not Hispanic/Latino
Pop_of_Color	*Number* of people who are people of color (non-white race nor Hispanic/Latino)
Pop_White_Not_Hisp_Pct	*Percent* of population who is white and not Hispanic/Latino
Pop_of_Color_Pct	*Percent* of population who is a person of color (non-white race nor Hispanic/Latino)
Pop_Children	*Percent* of population under 18 years old
Pop_Age0_4	*Number* of people under 5 years old
Pop_Age5_9	*Number* of people age 5-9
Pop_Age10_14	*Number* of people age 10-14
Pop_Age15_17	*Number* of people age 15-17
Pop_Age18_19	*Number* of people age 18-19
Pop_Age20	*Number* of people age 20
Pop_Age21	*Number* of people age 21
Pop_Age22_24	*Number* of people age 22-24
Pop_Age25_29	*Number* of people age 25-29
Pop_Age30_39	*Number* of people age 30-39
Pop_Age40_49	*Number* of people age 40-49
Pop_Age50_64	*Number* of people age 50-64
Pop_Age65_Up	*Number* of people age 65 and up
Pop_Age16_Up	*Number* of people age 16 and up
Pop_Age25_Up	*Number* of people age 25 and up
Pop_Avg_Age	*Average* age of the population
Pop_Avg_Age_of20_64	*Average* age of the population that is 20-64
Pop_Avg_Age_of25_64	*Average* age of the population that is 25-64
Pop_Avg_Age_of20_up	*Average* age of the population that is 20 and up
Pop_Avg_Age_of25_up	*Average* age of the population that is 25 and up
Pop_Female_Age20_64	*Number* of people who are female and age 20-64
Pop_Male_Age20_64	*Number* of people who are male and age 20-64
Pop_Female_Age25_64	*Number* of people who are female and age 25-64
Pop_Male_Age25_64	*Number* of people who are male and age 25-64
Pop_Female_of_Age20_64_pct	*Percent* of population age 20-64 who are female
Pop_Male_of_Age20_64_pct	*Percent* of population age 20-64 who are male
Pop_in_School	*Number* of people in preschool, kindergarten, or grades 1-12
Pop_in_College	*Number* of people in college (undergrad, grad or prof)
Pop_HS_Not_Comp	*Number* of people who did not finish high school
Pop_HS_Diploma	*Number* of people who graduated high school/GED
Pop_Assoc_Some_Coll	*Number* of people with some college education or an associates degree
Pop_Coll_Degree	*Number* of people who graduated college
Pop_Grad_Degree	*Number* of people with post-college degrees
Pop_HS_Not_Comp_Pct	*Percent* of population who did not finish high school
Pop_HS_Diploma_Pct	*Percent* of population who graduated high school/GED
Pop_Assoc_Some_Coll_Pct	*Percent* of population with some college education or an associates degree
Pop_Coll_Degree_Pct	*Percent* of population who graduated college
Pop_Grad_Degree_Pct	*Percent* of population with post-college degrees
Pop_Employed	*Number* of employed residents
Pop_Employed_Civ	*Number* of civilian employed residents
Pop_Employed_AF	*Number* of armed forces employed residents
Pop_Unemployed	*Number* of unemployed residents
Pop_Not_in_LaborForce	*Number* of people not in the labor force
Pop_Ind_Retail	*Number* of people in the retail industry
Pop_Ind_RestAccom	*Number* of employed residents in the restaurant and hotel industry
Pop_Ind_EntRec	*Number* of employed residents in the arts, entertainment, and recreation industries
Pop_Ind_Office	*Number* of people in the office industry (professional, administrative)
Pop_Ind_Educ	*Number* of employed residents in the education industry
Pop_Ind_MedSS	*Number* of employed residents in the health and social services industry
Pop_Ind_Public	*Number* of people in the public administration industry (not including armed forces)
Pop_Ind_Manuf	*Number* of employed residents in the rmanufacturing industry
Pop_Ind_TransWare	*Number* of employed residents in the transportation and warehousing industry
Pop_Ind_Util	*Number* of employed residents in the utilities industry
Pop_Ind_Whole	*Number* of employed residents in the wholesale industry
Pop_Ind_Constr	*Number* of employed residents in the construction industry
Pop_Ind_Other	*Number* of employed residents in the repair services (auto, furniture, electronic), laundry, funeral, and not-for-profit (foundations, advocacy, unions, churches) industries
Pop_Ind_Ag	*Number* of employed residents in the farming, forestry, fishing, hunting, and fishing industries
Pop_Ind_Extract	*Number* of employed residents in the oil and mining industry
Job Variables	
Emp	*Number* of jobs (workers at work)
Emp_Retail	*Number* of retail jobs
Emp_RestAccom	*Number* of restaurant, food service, and accomodation jobs
Emp_EntRec	*Number* of arts, entertainment, and recreation jobs
Emp_Office	*Number* of office jobs
Emp_Public	*Number* of public jobs
Emp_AF	*Number* of armed forces jobs
Emp_Educ	*Number* of education jobs
Emp_MedSS	*Number* of health care and social service jobs
Emp_TransWare	*Number* of transportation and warehousing jobs
Emp_Whole	*Number* of wholesale jobs
Emp_Manuf	*Number* of manufacturing jobs
Emp_Util	*Number* of utility jobs
Emp_Constr	*Number* of construction jobs
Emp_Other	*Number* of repair (auto, electronic, furniture, etc.), laundromat, funeral home, and nonprofit (churches, advocacy groups, unions, foundations, etc.) jobs
Emp_Ag	*Number* of agriculture, forestry, fishing, and hunting jobs
Emp_Extract	*Number* of oil and mining jobs
Emp_VMT_Office	The sum of *Emp_Office, Emp_MedSS,* and *Emp_AF* (for purposes of the VMT engine)
Emp_VMT_Public	The sum of *Emp_Public* and *Emp_Educ* (for purposes of the VMT engine)
Emp_Industry	The sum of *Emp_Manuf, Emp_TransWare, Emp_Util, Emp_Whole, Emp_Constr, Emp_Other, Emp_Ag,* and *Emp_Extract* (for purposes of the VMT engine)
Emp_Industry_No_Ag	The same as *Emp_Industry* except *Emp_Ag* and *Emp_Extract* are exclued.

Building Square Footage Variables	
Bldg_SqFt_DetSF	Sum of detached single family housing building square feet
Bldg_SqFt_DetSF_SL	Sum of small lot detached single family housing building square feet
Bldg_SqFt_DetSF_LL	Sum of large lot detached single family housing building square feet
Bldg_SqFt_AttSF	Sum of attached single family housing building square feet
Bldg_SqFt_MF2to4	Sum of 2-4 unit multifamily housing building square feet
Bldg_SqFt_MF5p	Sum of 5-plus unit multifamily housing building square feet
Bldg_SqFt_Retail	Sum of retail building square feet
Bldg_SqFt_RestAccom	Sum of restaurant, food service, and hotel building square feet
Bldg_SqFt_EntRec	Sum of arts, entertainment, and recreation building square feet
Bldg_SqFt_Office	Sum of office building square feet
Bldg_SqFt_Public	Sum of public building square feet
Bldg_SqFt_AF	Sum of armed forces building square feet
Bldg_SqFt_Educ	Sum of education building square feet
Bldg_SqFt_MedSS	Sum of health care and social service building square feet
Bldg_SqFt_TransWare	Sum of transportation and warehousing building square feet
Bldg_SqFt_Whole	Sum of wholesale building square feet
Bldg_SqFt_Manuf	Sum of manufacturing building square feet
Bldg_SqFt_Util	Sum of utility building square feet
Bldg_SqFt_Constr	Sum of construction building square feet
Bldg_SqFt_Emp_Other	Sum of other (non-agricultural and extraction) building square feet (includes repair, laundry, funeral services, and nonprofit office buildings)
Transit Proximity Variables	
Tr_All_Grid	Number of transit stops of all types in the grid cell
Tr_All_QrtMi	Number of transit stops of all types within a 1/4 mile search radius
Tr_All_HalfMi	Number of transit stops of all types within a 1/2 mile search radius
Tr_All_ThreeQrtMi	Number of transit stops of all types within a 3/4 mile search radius
Tr_All_OneMi	Number of transit stops of all types within a one mile search radius
Tr_All_OneKm	Number of transit stops of all types within a one km search radius
Tr_Ferry_Grid	Number of ferry stops in the grid cell
Tr_Ferry_QrtMi	Number of ferry stops within a 1/4 mile search radius
Tr_Ferry_HalfMi	Number of ferry stops within a 1/2 mile search radius
Tr_Ferry_ThreeQrtMi	Number of ferry stops within a 3/4 mile search radius
Tr_Ferry_OneMi	Number of ferry stops within a one mile search radius
Tr_Ferry_OneKm	Number of ferry stops within a one km search radius
Tr_Intercity_Grid	Number of intercity rail stops in the grid cell
Tr_Intercity_QrtMi	Number of intercity rail stops within a 1/4 mile search radius
Tr_Intercity_HalfMi	Number of intercity rail stops within a 1/2 mile search radius
Tr_Intercity_ThreeQrtMi	Number of intercity rail stops within a 3/4 mile search radius
Tr_Intercity_OneMi	Number of intercity rail stops within a one mile search radius
Tr_Intercity_OneKm	Number of intercity rail stops within a one km search radius
Tr_Commuter_Grid	Number of commuter rail stops in the grid cell
Tr_Commuter_QrtMi	Number of commuter rail stops within a 1/4 mile search radius
Tr_Commuter_HalfMi	Number of commuter rail stops within a 1/2 mile search radius
Tr_Commuter_ThreeQrtMi	Number of commuter rail stops within a 3/4 mile search radius
Tr_Commuter_OneMi	Number of commuter rail stops within a one mile search radius
Tr_Commuter_OneKm	Number of commuter rail stops within a one km search radius
Tr_Heavy_Grid	Number of heavy rail stops in the grid cell
Tr_Heavy_QrtMi	Number of heavy rail stops within a 1/4 mile search radius
Tr_Heavy_HalfMi	Number of heavy rail stops within a 1/2 mile search radius
Tr_Heavy_ThreeQrtMi	Number of heavy rail stops within a 3/4 mile search radius
Tr_Heavy_OneMi	Number of heavy rail stops within a one mile search radius
Tr_Heavy_OneKm	Number of heavy rail stops within a one km search radius
Tr_LRT_Grid	Number of light rail stops in the grid cell
Tr_LRT_QrtMi	Number of light rail stops within a 1/4 mile search radius
Tr_LRT_HalfMi	Number of light rail stops within a 1/2 mile search radius
Tr_LRT_ThreeQrtMi	Number of light rail stops within a 3/4 mile search radius
Tr_LRT_OneMi	Number of light rail stops within a one mile search radius
Tr_LRT_OneKm	Number of light rail stops within a one km search radius
Tr_BRT_Grid	Number of bus rapid transit stops in the grid cell
Tr_BRT_QrtMi	Number of bus rapid transit stops within a 1/4 mile search radius
Tr_BRT_HalfMi	Number of bus rapid transit stops within a 1/2 mile search radius
Tr_BRT_ThreeQrtMi	Number of bus rapid transit stops within a 3/4 mile search radius
Tr_BRT_OneMi	Number of bus rapid transit stops within a one mile search radius
Tr_BRT_OneKm	Number of bus rapid transit stops within a one km search radius
Tr_Streetcar_Grid	Number of streetcar stops in the grid cell
Tr_Streetcar_QrtMi	Number of streetcar stops within a 1/4 mile search radius
Tr_Streetcar_HalfMi	Number of streetcar stops within a 1/2 mile search radius
Tr_Streetcar_ThreeQrtMi	Number of streetcar stops within a 3/4 mile search radius
Tr_Streetcar_OneMi	Number of streetcar stops within a one mile search radius
Tr_Streetcar_OneKm	Number of streetcar stops within a one km search radius

Tr_DMU_Grid	Number of DMU stops in the grid cell
Tr_DMU_QrtMi	Number of DMU stops within a 1/4 mile search radius
Tr_DMU_HalfMi	Number of DMU stops within a 1/2 mile search radius
Tr_DMU_ThreeQrtMi	Number of DMU stops within a 3/4 mile search radius
Tr_DMU_OneMi	Number of DMU stops within a one mile search radius
Tr_DMU_OneKm	Number of DMU stops within a one km search radius
Tr_BRT_lite_Grid	Number of BRT-lite stops in the grid cell
Tr_BRT_lite _QrtMi	Number of BRT-lite stops within a 1/4 mile search radius
Tr_BRT_lite _HalfMi	Number of BRT-lite stops within a 1/2 mile search radius
Tr_BRT_lite _ThreeQrtMi	Number of BRT-lite stops within a 3/4 mile search radius
Tr_BRT_lite _OneMi	Number of BRT-lite stops within a one mile search radius
Tr_BRT_lite _OneKm	Number of BRT-lite stops within a one km search radius
Tr_Cablecar_Grid	Number of cable car stops in the grid cell
Tr_Cablecar_QrtMi	Number of cable car stops within a 1/4 mile search radius
Tr_Cablecar_HalfMi	Number of cable car stops within a 1/2 mile search radius
Tr_Cablecar_ThreeQrtMi	Number of cable car stops within a 3/4 mile search radius
Tr_Cablecar_OneMi	Number of cable car stops within a one mile search radius
Tr_Cablecar_OneKm	Number of cable car stops within a one km search radius
Tr_Maglev_Grid	Number of maglev stops in the grid cell
Tr_Maglev_QrtMi	Number of maglev stops within a 1/4 mile search radius
Tr_Maglev_HalfMi	Number of maglev stops within a 1/2 mile search radius
Tr_Maglev_ThreeQrtMi	Number of maglev stops within a 3/4 mile search radius
Tr_Maglev_OneMi	Number of maglev stops within a one mile search radius
Tr_Maglev_OneKm	Number of maglev stops within a one km search radius
Tr_PeopleMover_Grid	Number of people mover stops in the grid cell
Tr_PeopleMover_QrtMi	Number of people mover stops within a 1/4 mile search radius
Tr_PeopleMover_HalfMi	Number of people mover stops within a 1/2 mile search radius
Tr_PeopleMover_ThreeQrtMi	Number of people mover stops within a 3/4 mile search radius
Tr_PeopleMover_OneMi	Number of people mover stops within a one mile search radius
Tr_PeopleMover_OneKm	Number of people mover stops within a one km search radius
Tr_HSR_Grid	Number of high speed rail stops in the grid cell
Tr_HSR_QrtMi	Number of high speed rail stops within a 1/4 mile search radius
Tr_HSR_HalfMi	Number of high speed rail stops within a 1/2 mile search radius
Tr_HSR_ThreeQrtMi	Number of high speed rail stops within a 3/4 mile search radius
Tr_HSR_OneMi	Number of high speed rail stops within a one mile search radius
Tr_HSR_OneKm	Number of high speed rail stops within a one km search radius
Street Intersections	
Intersection_Density_SqMi	Intersections per square mile (calculated using a quarter mile radius from grid cell)
Intersection_Density_SqKm	Intersections per square kilometer (calculated using a one kilometer radius from grid cell)
Intersection_Count_QtrMi	Intersections within a one quarter mile radius of the grid cell
Intersection_Count_OneKm	Intersections within a one kilometer radius of the grid cell