

# 8. Using the ATDB Map

## User Manual

[www.scag.ca.gov](http://www.scag.ca.gov)



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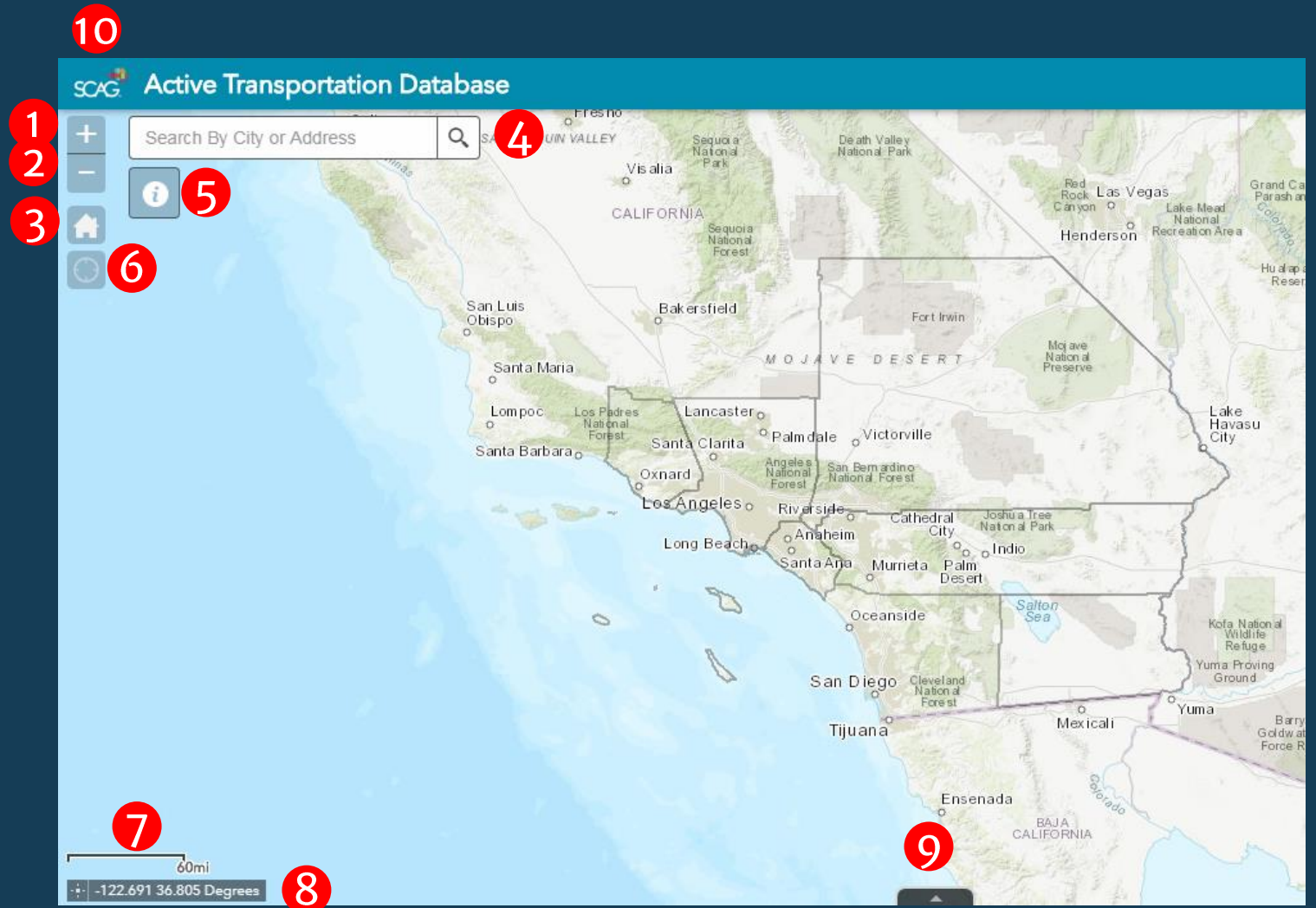
# Welcome to the ATDB Mapping Service



<https://maps.scag.ca.gov/ATDB/>

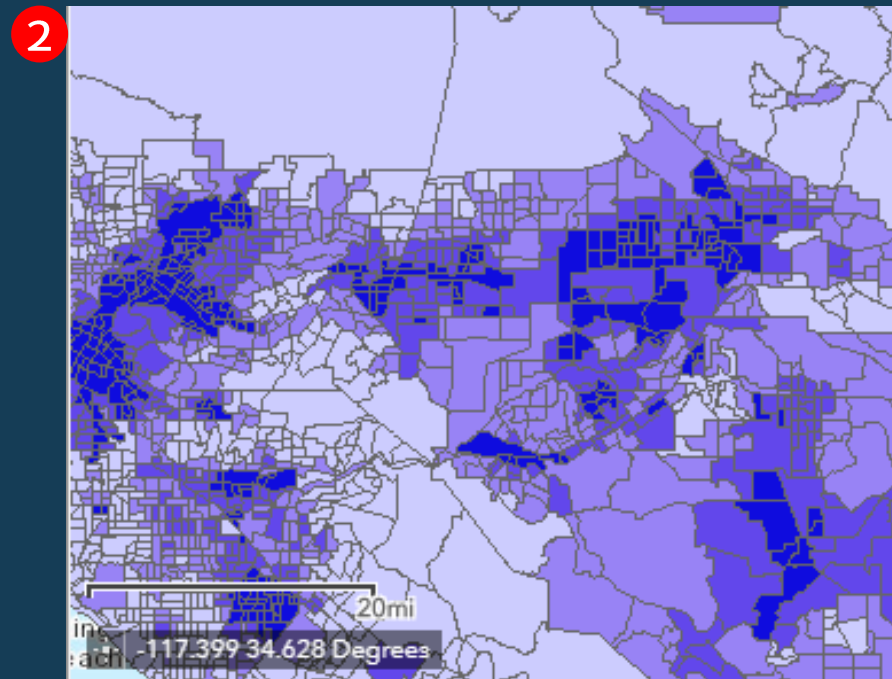
# Navigating the ATDB Map

- 1 Zoom In
- 2 Zoom Out
- 3 Default Extent
- 4 Search by Address
- 5 About
- 6 Jump to Current Location
- 7 Scale
- 8 Coordinates
- 9 Open Attribute Table
- 10 SCAG Homepage

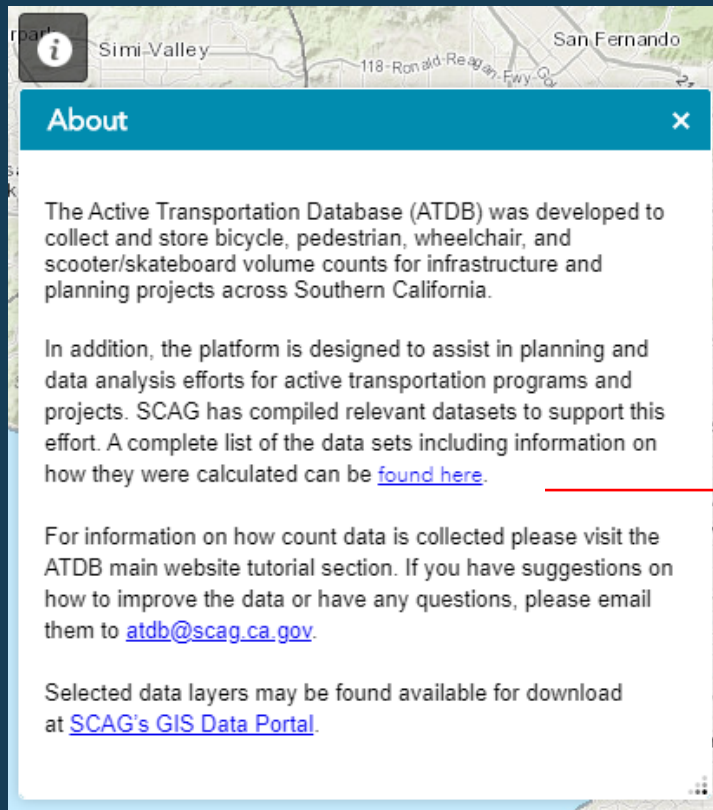


# Viewing at Different Scales

- 1 Some layers are only visible at larger scales e.g.; 600 ft (zoomed in) such as parcel level data (land use)
- 2 Some layers are better viewed at smaller scales e.g.; 20 mi (zoomed out) such as census tract level data (demographics)



- The 'About' icon contains a link to the [ATDB Data Dictionary PDF](#), which provides a more in depth description of each layer, how the data was derived, and its source



## Transportation

### Bikeways

The SCAG Regional Bikeway Shapefile (RBS) has been compiled by SCAG in coordination with the region's six County Transportation Commissions. Commissions use different strategies for compiling their files so some counties may be more up to date or contain different amounts of data than others. Updating the RBS is an ongoing process. The ATDB displays the region's bikeways by existing and proposed by class. Both layers include the fields defined below:

#### Name (Name)

Name of the project or improvement the bikeway segment is in.

#### City (City)

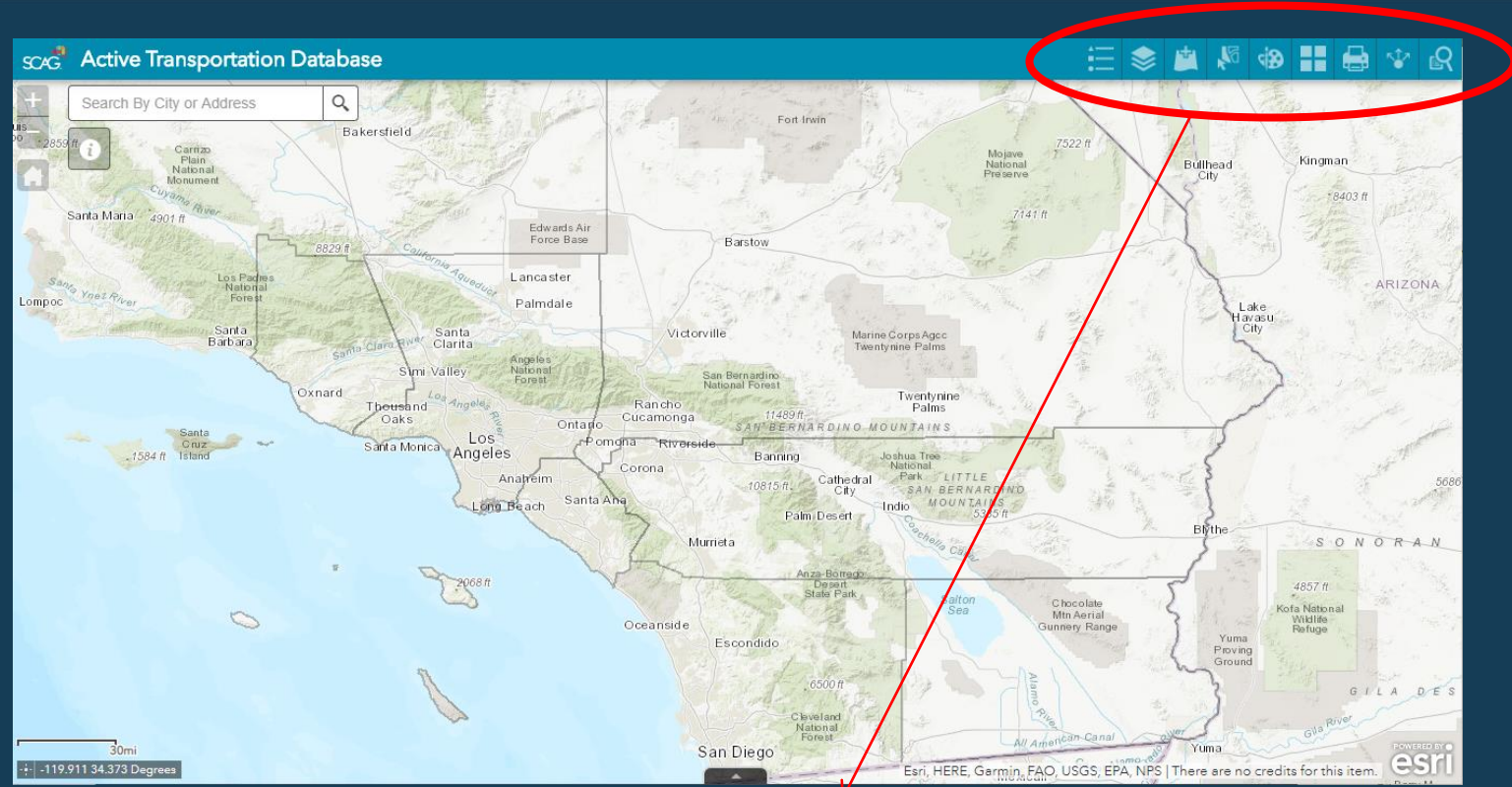
Name of the jurisdiction the bikeway segment is located in.

#### County (County)

Name of county in which the bikeway segment is located.

# Mapping Tools

- 1 Legend
- 2 Layers
- 3 Add Data
- 4 Select Features
- 5 Draw
- 6 Base Map Options
- 7 Print
- 8 Share
- 9 Query

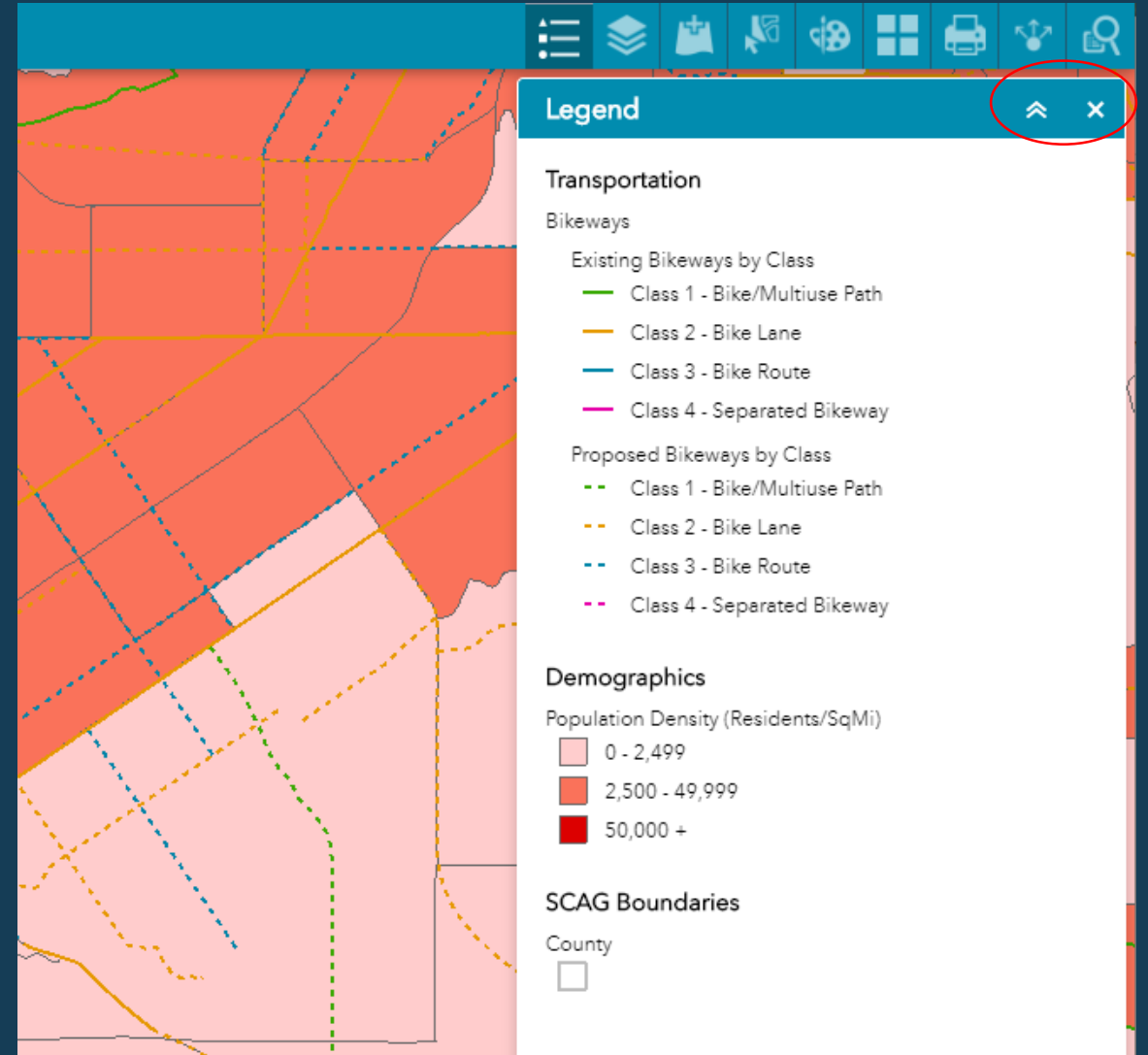


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9



# 1. Legend

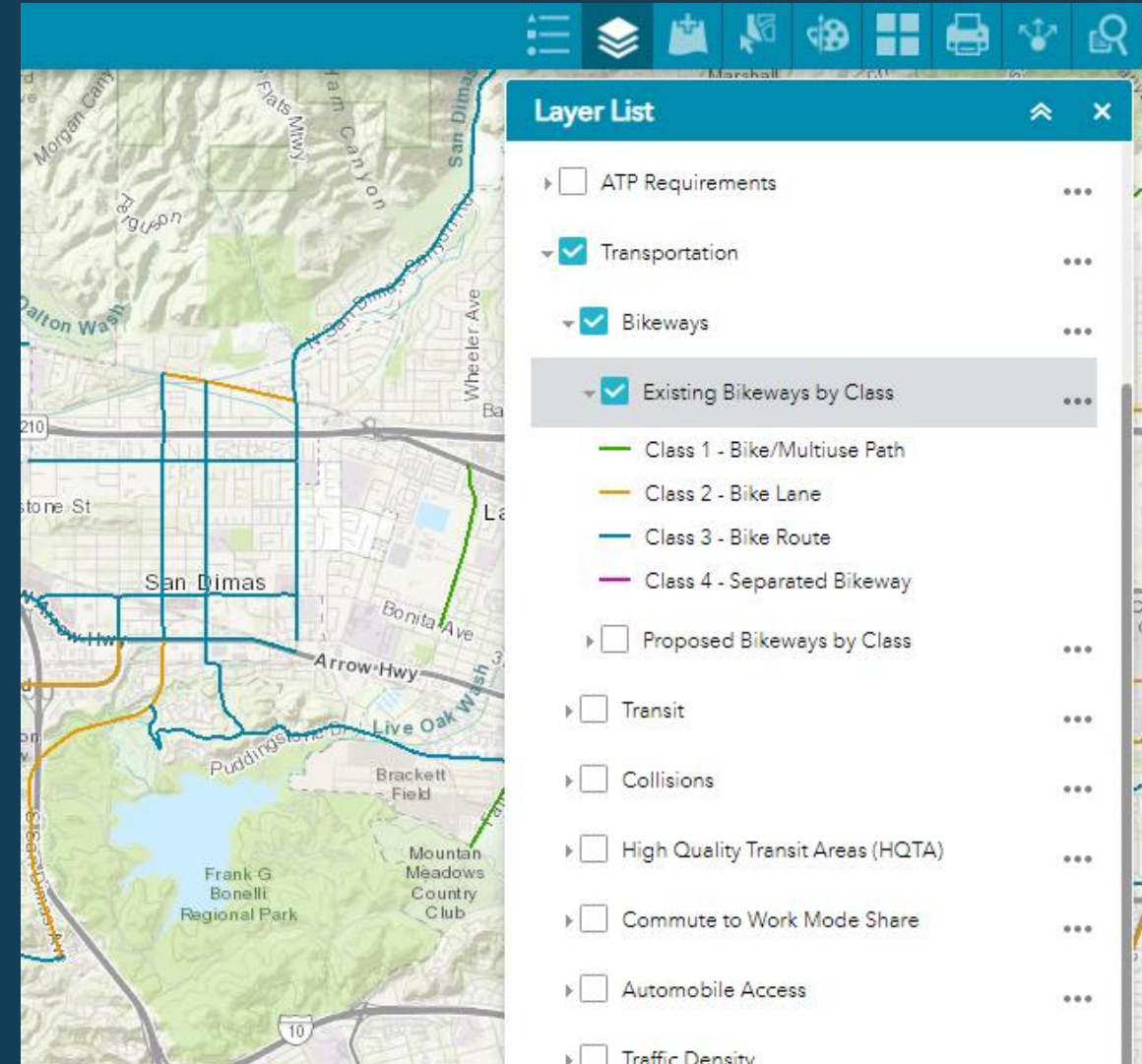
- The map legend provides a key for interpreting the colors and symbols that represent the layers you have selected
- The legend will automatically update when you select or deselect layers
- You may minimize or exit the legend using the icons in the top right corner





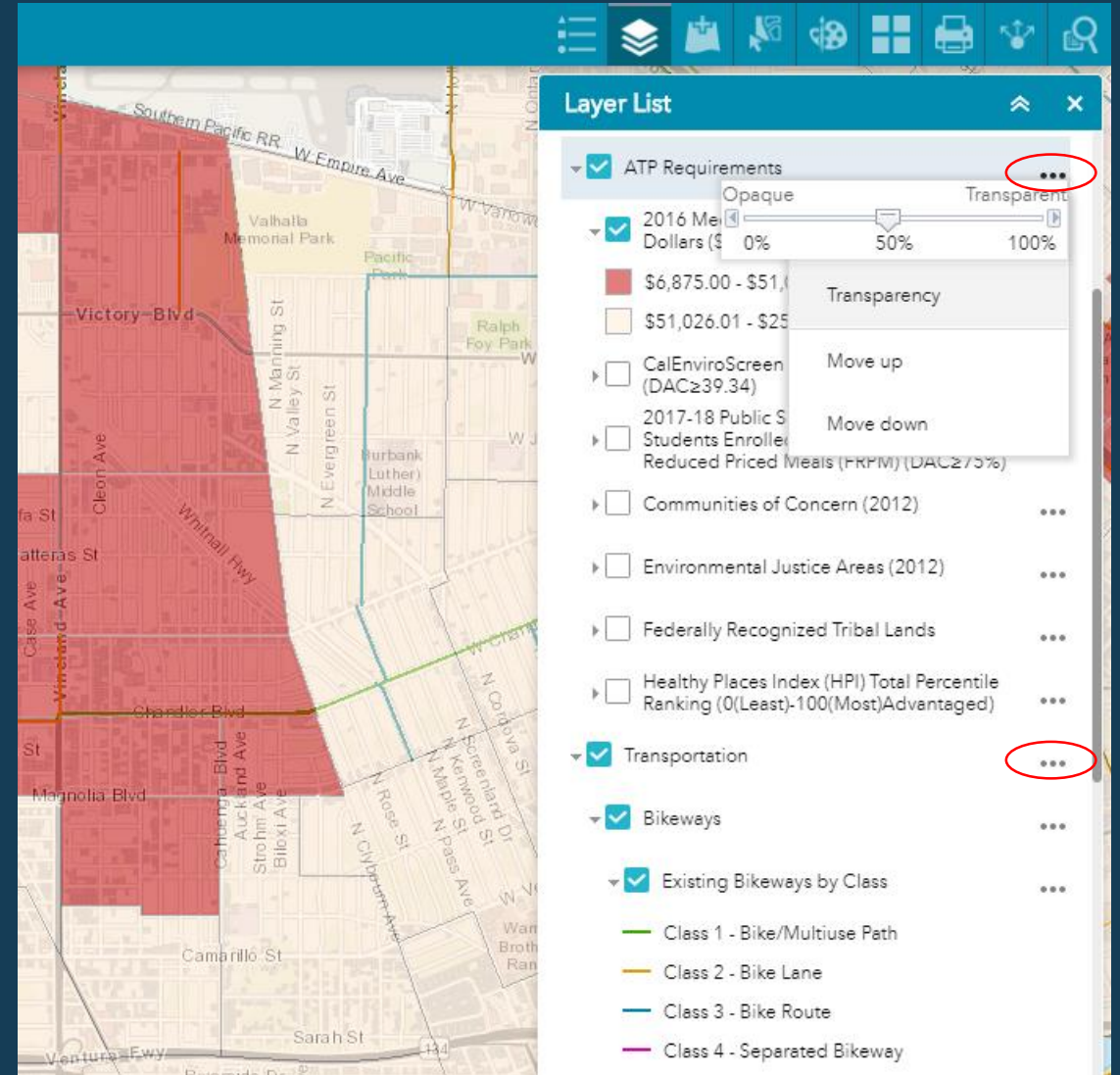
## 2. Layers

- Use the layers window to select the layers you want to display
- All boxes of nested layers must be checked for the layer to be displayed



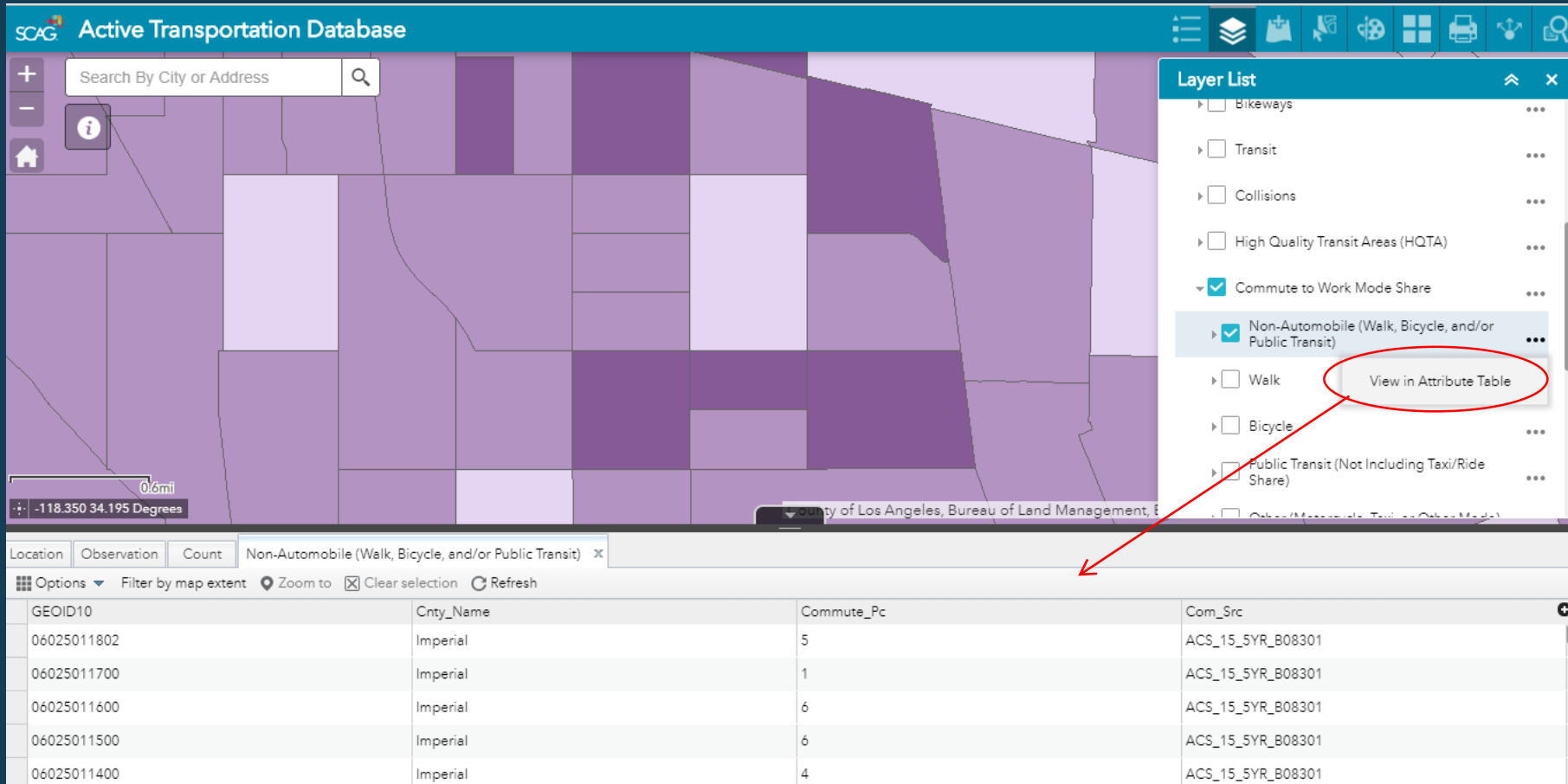
## 2. Layers

- Layers will display in the order they are listed, making some layers not visible
- You may move layer groups up or down or adjust the transparency by clicking on the ... next to the layer group
- You cannot move or adjust the transparency on individual layers



## 2. Layers - Viewing Attributes

- Click the ... next to a layer in the layer window to view the layer's attribute table



The screenshot shows the SCAG Active Transportation Database interface. The map displays various transportation layers in shades of purple. The Layer List on the right includes:

- Bikeways
- Transit
- Collisions
- High Quality Transit Areas (HQTA)
- Commute to Work Mode Share
- Non-Automobile (Walk, Bicycle, and/or Public Transit)
  - Walk
  - Bicycle
  - Public Transit (Not Including Taxi/Ride Share)
  - Other (Mass Transit, Other Mode)

The 'View in Attribute Table' button is circled in red. A red arrow points from this button to the attribute table below.

GEOID10	Cnty_Name	Commute_Pc	Com_Src
06025011802	Imperial	5	ACS_15_5YR_B08301
06025011700	Imperial	1	ACS_15_5YR_B08301
06025011600	Imperial	6	ACS_15_5YR_B08301
06025011500	Imperial	6	ACS_15_5YR_B08301
06025011400	Imperial	4	ACS_15_5YR_B08301

## 2. Layers - Navigating Attribute Table

### 1 Filter by Map Extent

- Shows only map extent features in attribute table

### 2 Zoom to Selection

- Zooms map to features selected in table

### 3 Clear Selection

### 4 Filter

- Filter by attribute

### 5 Show/Hide Columns

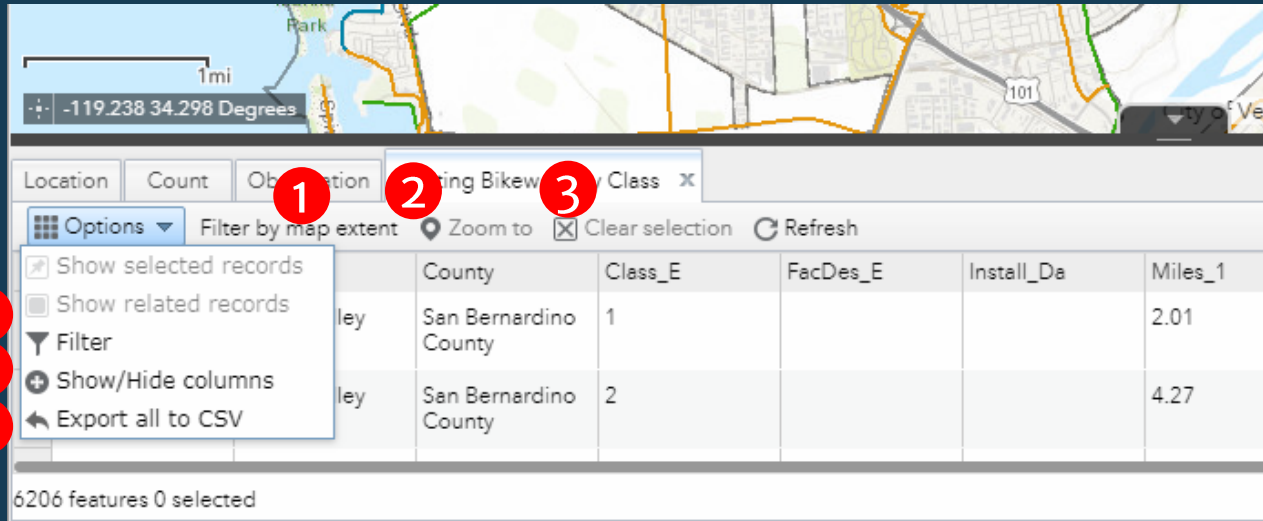
- Show/hide attributes

### 6 Export to CSV

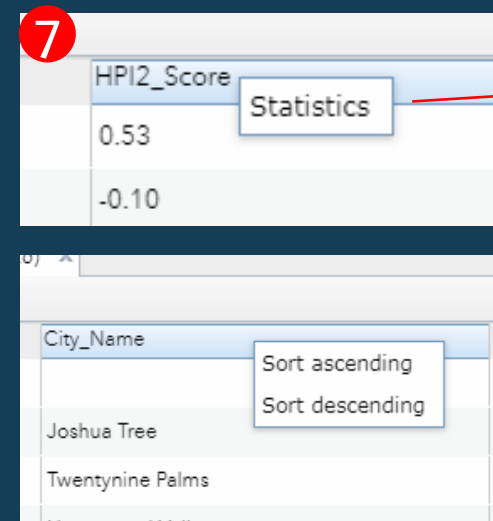
- Export as a table

### 7 Statistics and Sorting

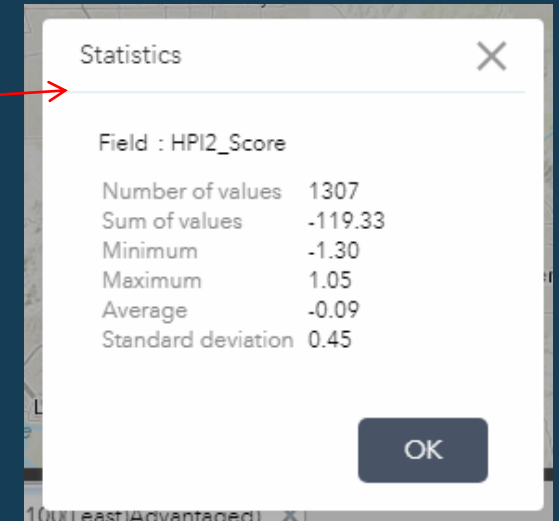
- Click on attribute heading to produce a statistics pop-up, or sort ascending/descending



Location	Count	Object ID	Class	Miles_1
San Bernardino County	1		1	2.01
San Bernardino County	2		2	4.27



HPI2_Score
0.53
-0.10



Statistics

Field : HPI2\_Score

Number of values	1307
Sum of values	-119.33
Minimum	-1.30
Maximum	1.05
Average	-0.09
Standard deviation	0.45

OK

## 2. Layers – Filter by a Single Expression + Attribute

- Under the 'Options' tab in the attribute table, select 'Filter'

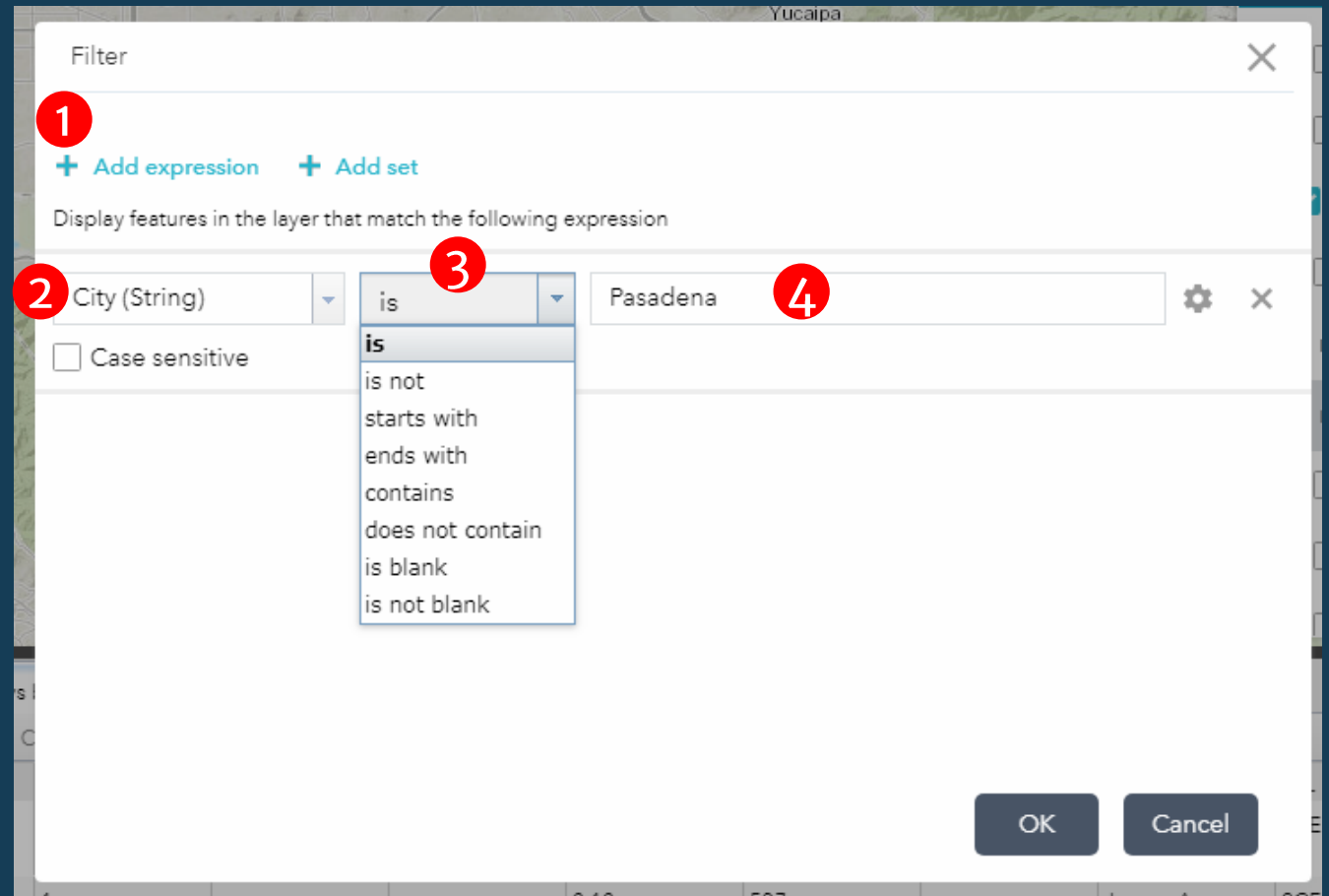
1 Select '+Add expression'

2 Select attribute from dropdown menu (e.g.; 'City')

3 Select condition from dropdown menu (e.g.; 'is')

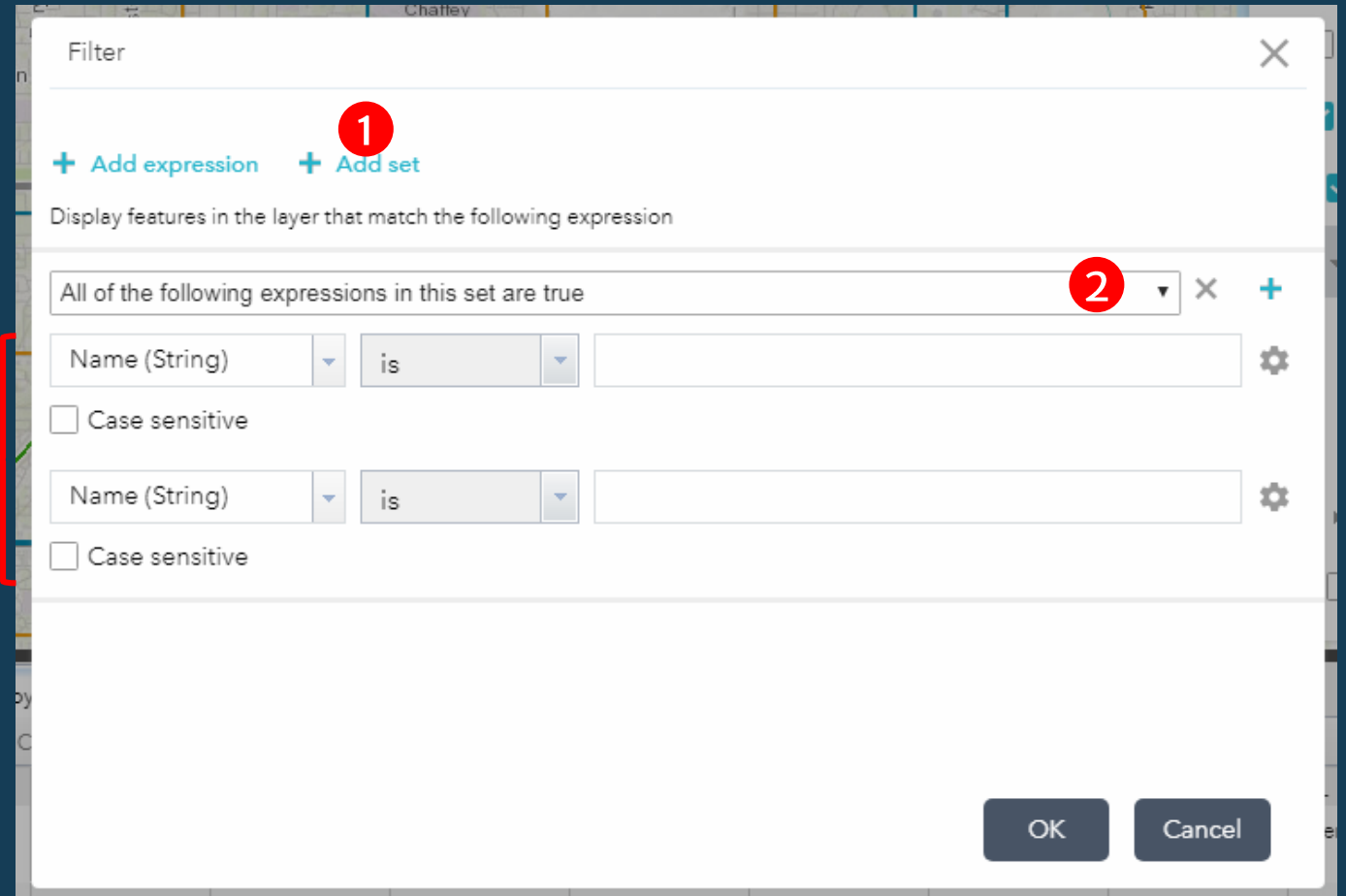
4 Enter the information you want to filter (e.g.; 'Pasadena')

- Your attribute table will then only show records where the City field is Pasadena



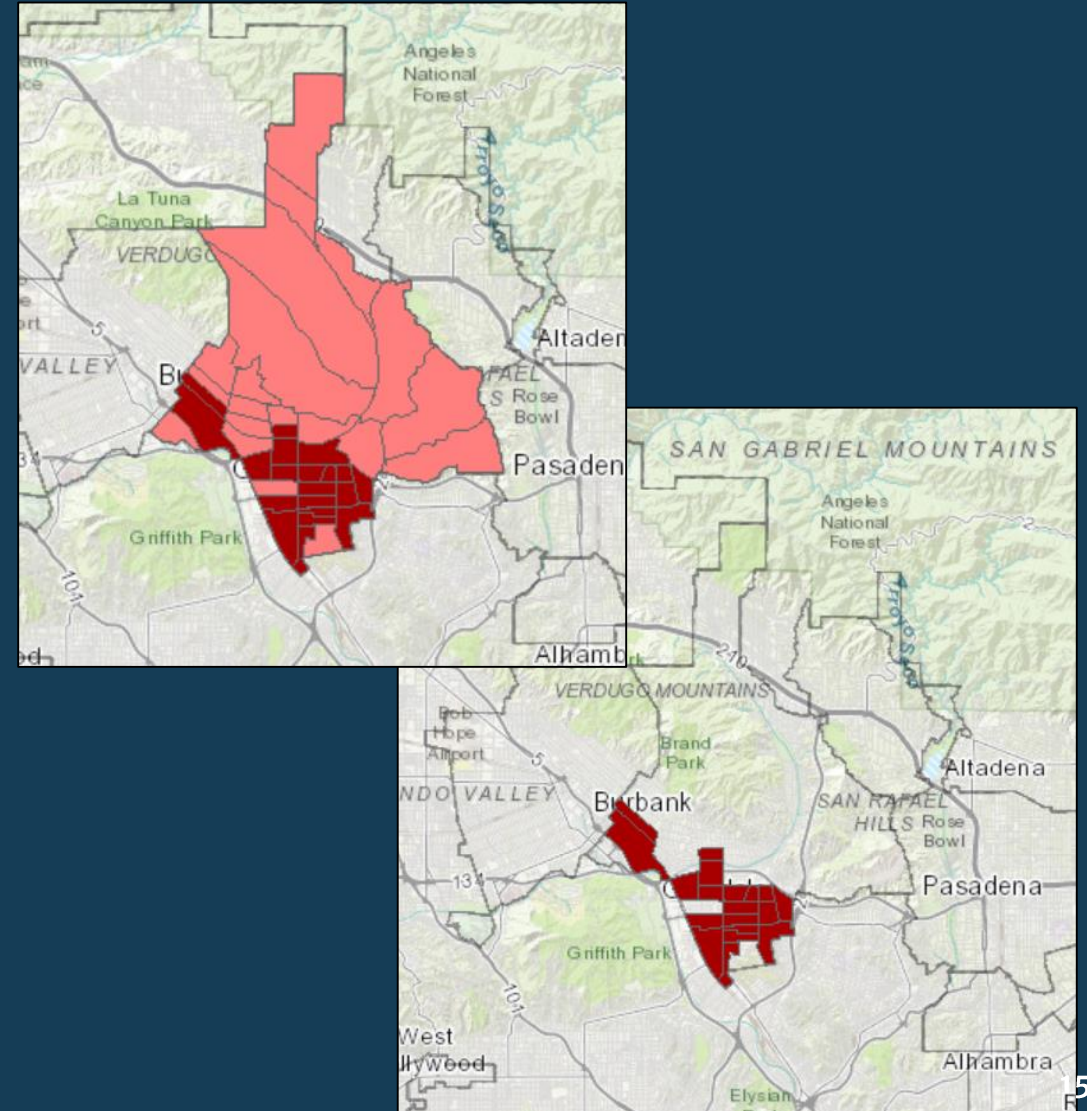
## 2. Layers – Filter by Sets of Expressions + Attributes

- 1 Select '+Add set'
- 2 Choose expression conditions
  - 'All of the following expressions in this set are true'
  - or
  - 'Any of the following expressions in this set are true'
- 3 Select attributes and expressions



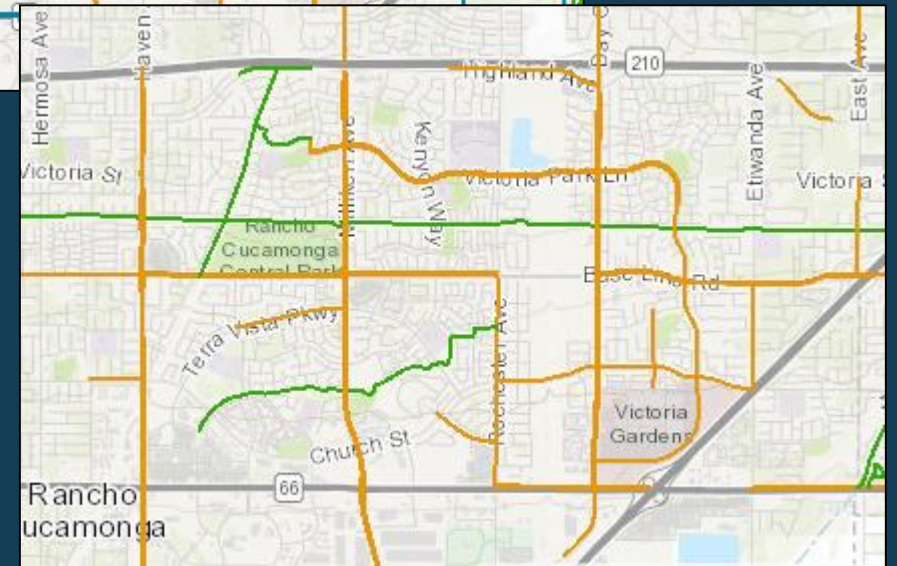
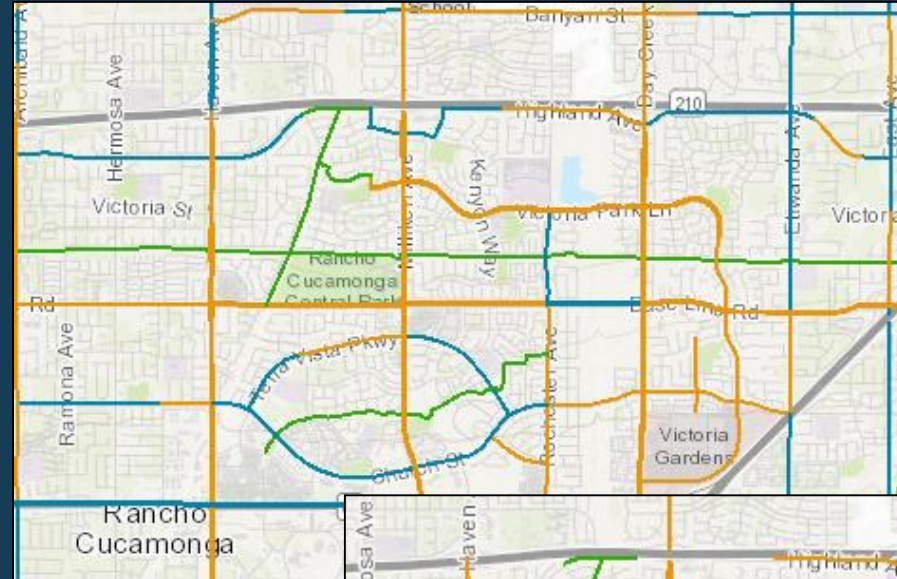
## 2. Layers – Filters

- Example: Median Household Income filtered by city.
- Example: Median Household Income by city +  $MHI \leq \$51,026$



## 2. Layers – Filters

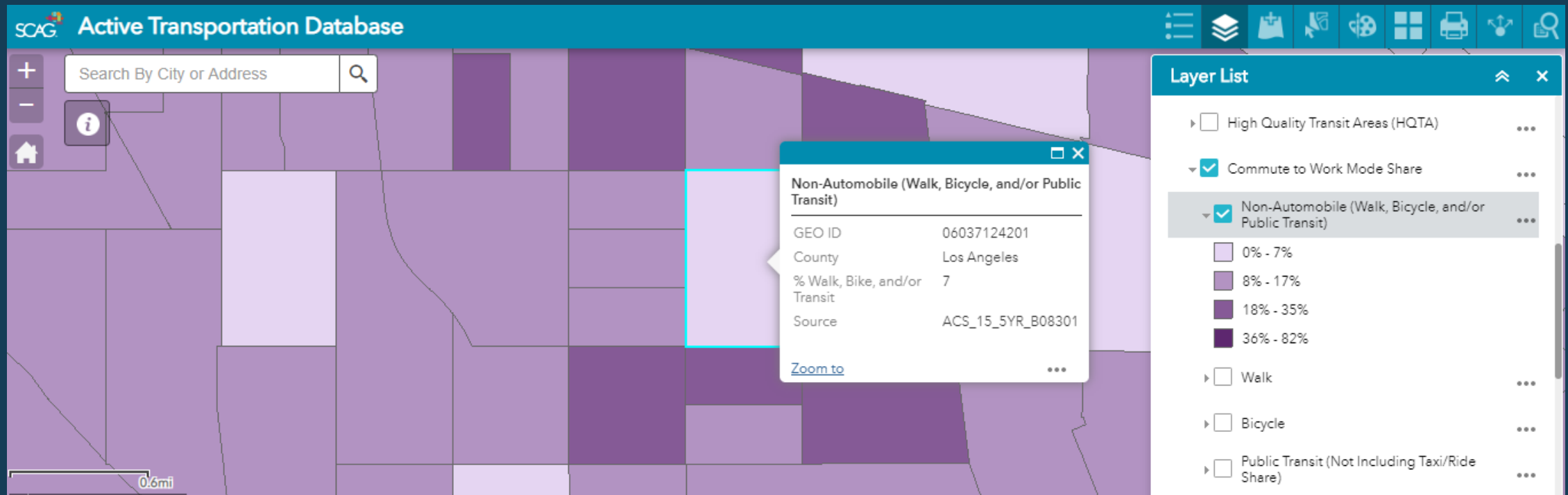
- Example: Existing Bikeways by Class (w/o filters)
- Example: Existing Bikeways filtered to include only Classes 1 and 2





## 2. Layers - Viewing Individual Feature Attributes

- Click on an individual feature on the map to view its attributes in a pop-up window



The screenshot displays the SCAG Active Transportation Database interface. The map shows various colored regions representing different transit modes. A pop-up window is open over a specific region, displaying the following attributes:

Non-Automobile (Walk, Bicycle, and/or Public Transit)	
GEO ID	06037124201
County	Los Angeles
% Walk, Bike, and/or Transit	7
Source	ACS_15_5YR_B08301

Below the table, there is a "Zoom to" link and a menu icon. On the right side of the interface, a "Layer List" panel is visible, showing the following layers:

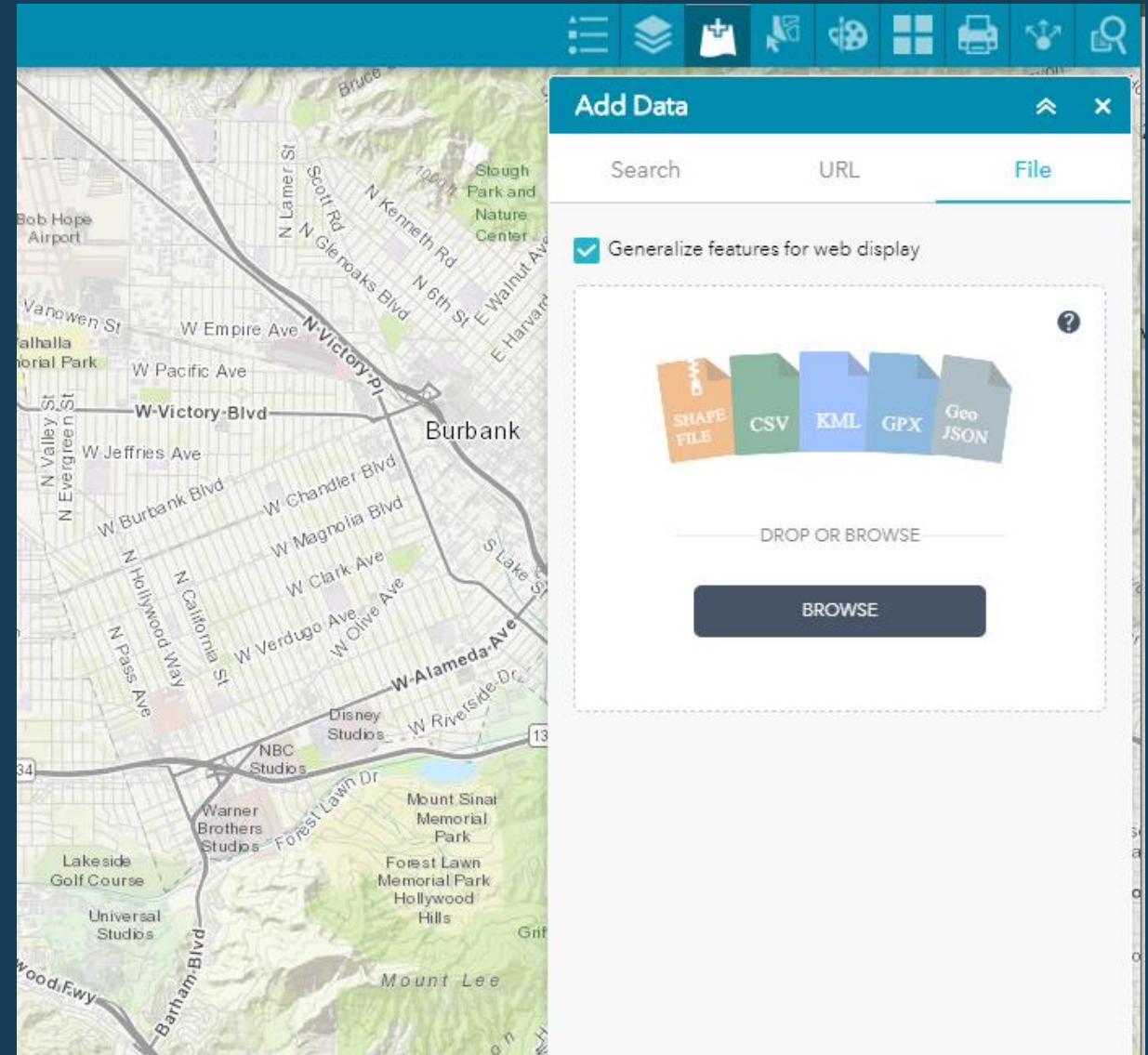
- High Quality Transit Areas (HQTA) ...
- Commute to Work Mode Share ...
- Non-Automobile (Walk, Bicycle, and/or Public Transit) ...
  - 0% - 7%
  - 8% - 17%
  - 18% - 35%
  - 36% - 82%
- Walk ...
- Bicycle ...
- Public Transit (Not Including Taxi/Ride Share) ...

## 2. Layers – Current Layers

- Land Use
- ATP Requirements
  - Median Household Income
  - CalEnviroScreen 2.0
  - Free and Reduced Priced Lunch
  - SCAG Communities of Concern
  - Federally Recognized Tribal Lands
  - HPI Index Score
- Transportation
  - Bikeways
  - Transit\*
  - Collisions
  - HQTAs
  - Commute to Work Mode Share
  - Automobile Access
  - Traffic Density
- Demographics
  - Population Density
  - Employment Density
  - Speaks English
  - Race
  - Age
- Additional Examples
  - Retail Density
  - Supermarket Access
  - Park Access
  - Tree Canopy Coverage
- SCAG Boundaries
  - City
  - County

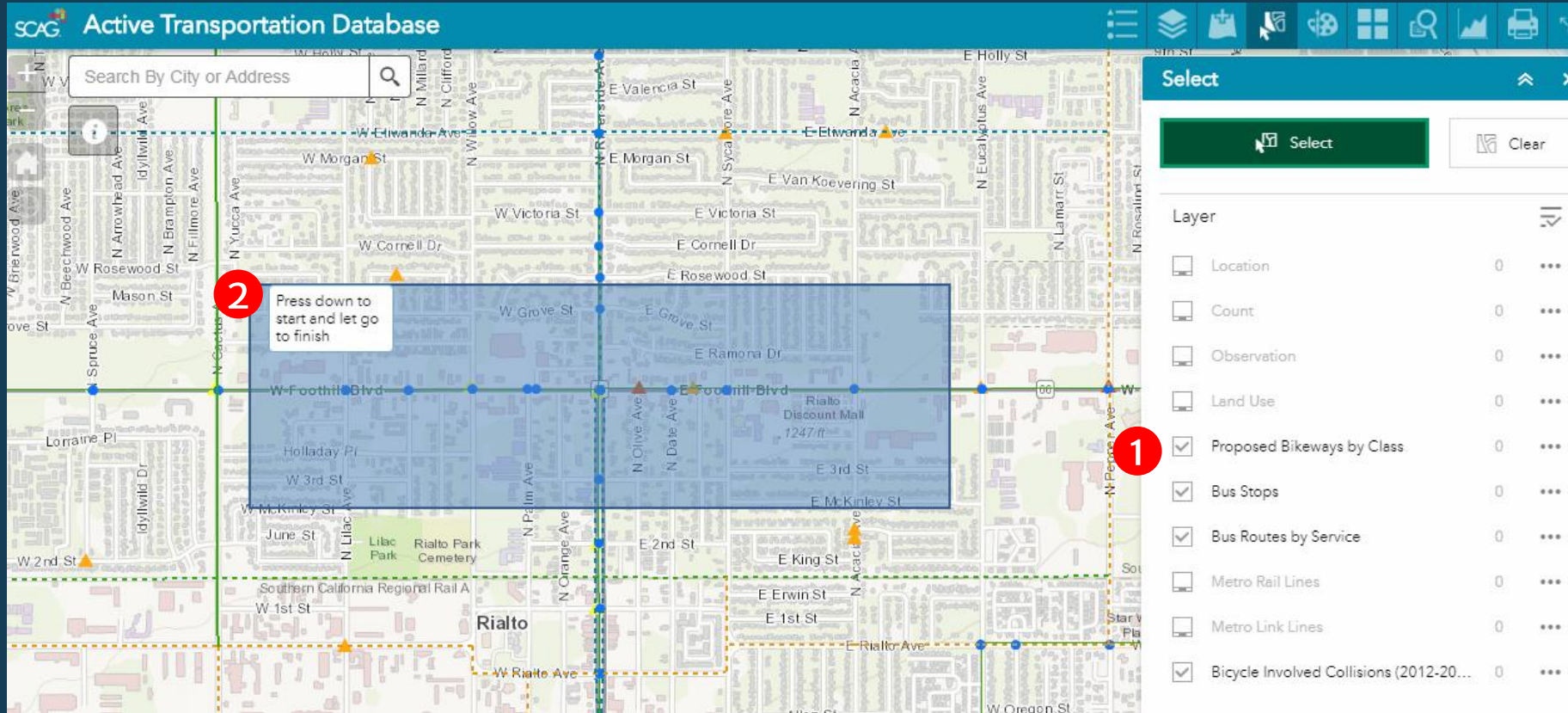
## 3. Adding Data

- Add data from the SCAG GIS Open Data Portal
- Add data from a URL
- Add data from a file on your computer in shapefile, CSV, KML, GPX, or Geo JSON format
- *NOTE: Saving added files is not possible within the database make sure to complete any analysis or print any files prior to closing the application*



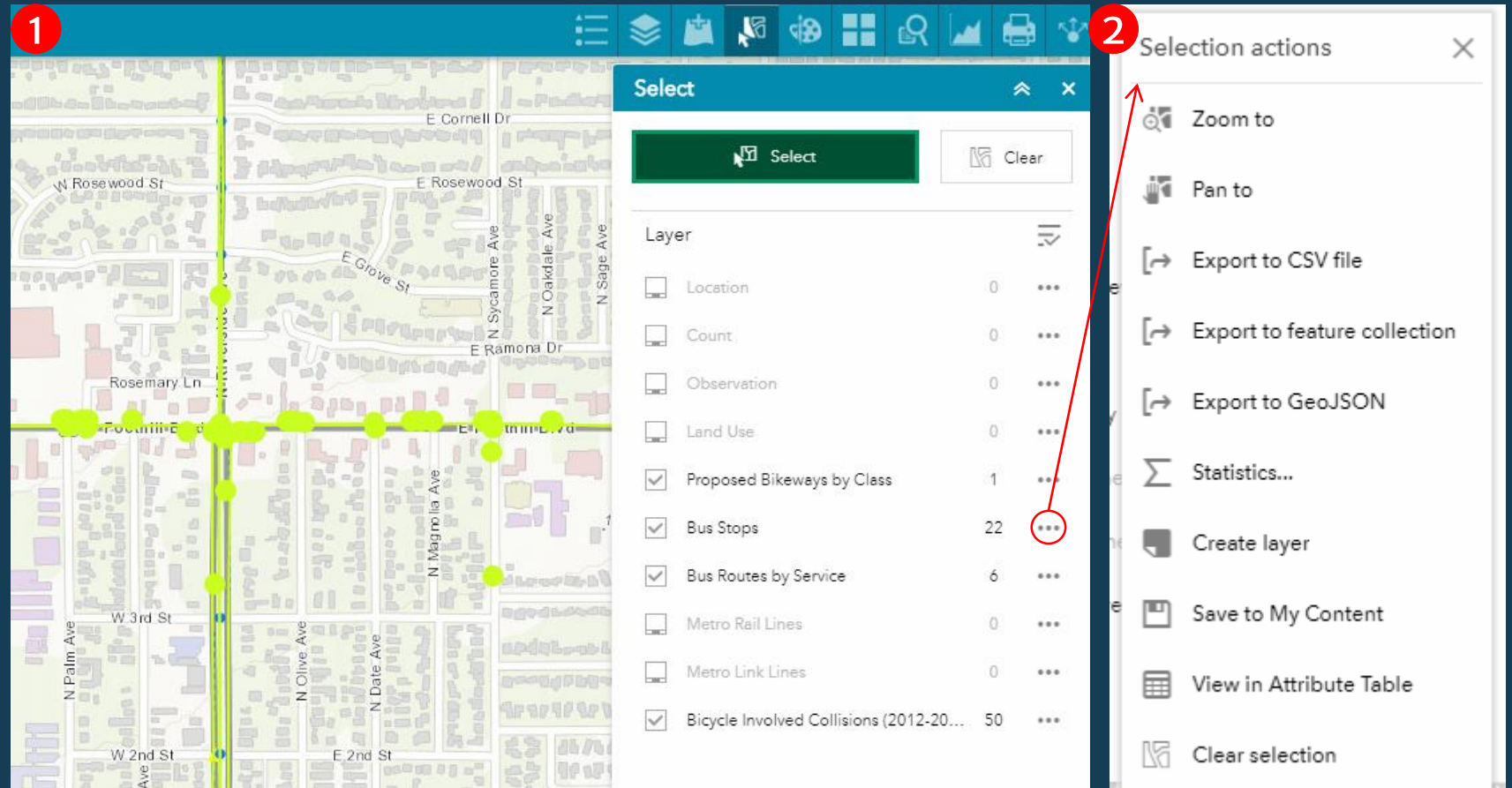
# 4. Selecting Features

- 1 After selecting the layers you would like to display, check the boxes of features you would like to select
- 2 Select features on map by holding down the mouse, drag across the area you wish to select features within, and release when finished



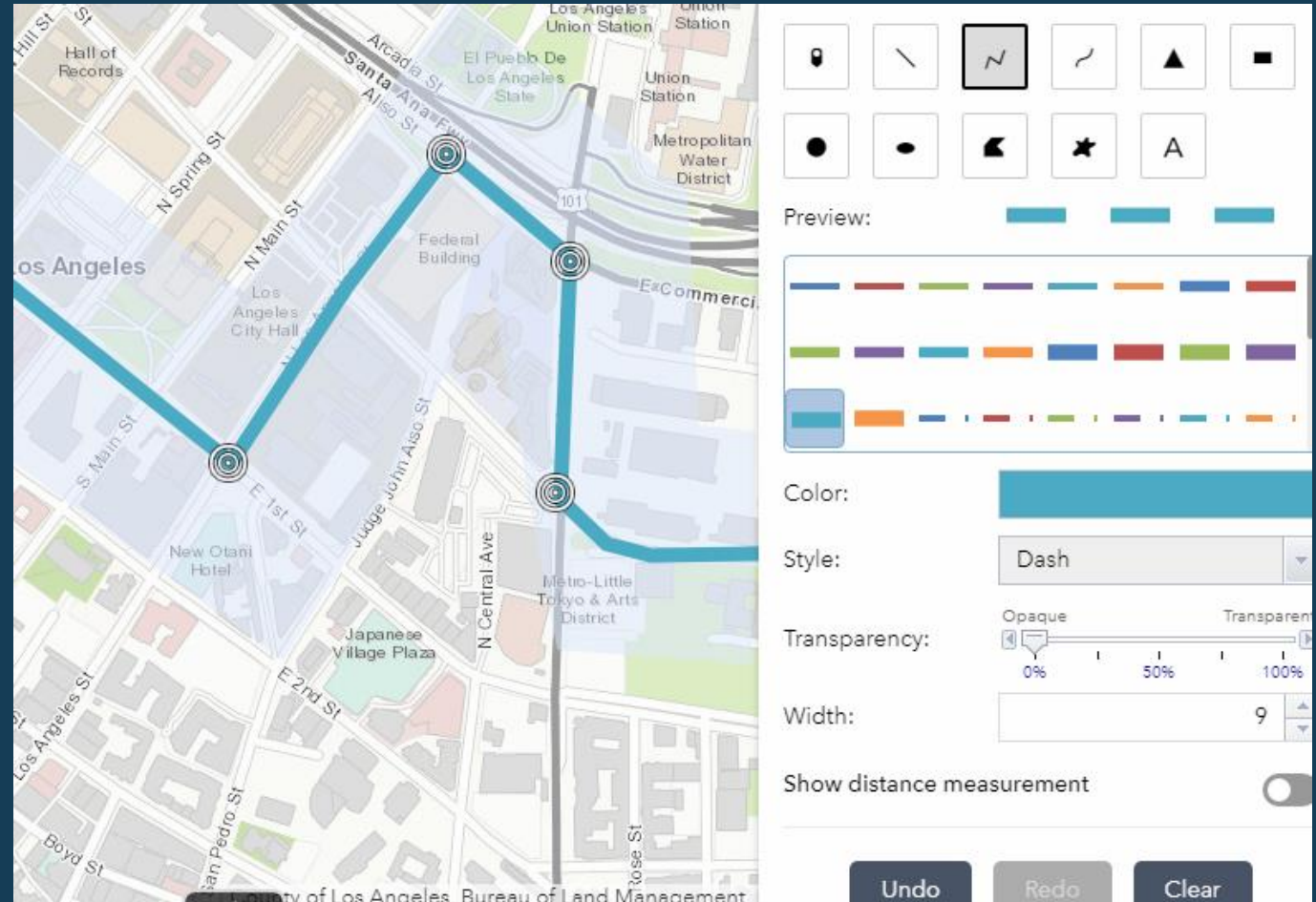
# 4. Selecting Features

- 1 Your selections will be highlighted on the map and the number of records selected will be listed next to the corresponding layer
- 2 Click the ... next to the layer to expand a menu of actions to perform on the selected features including export, save, create layer, or view attribute table



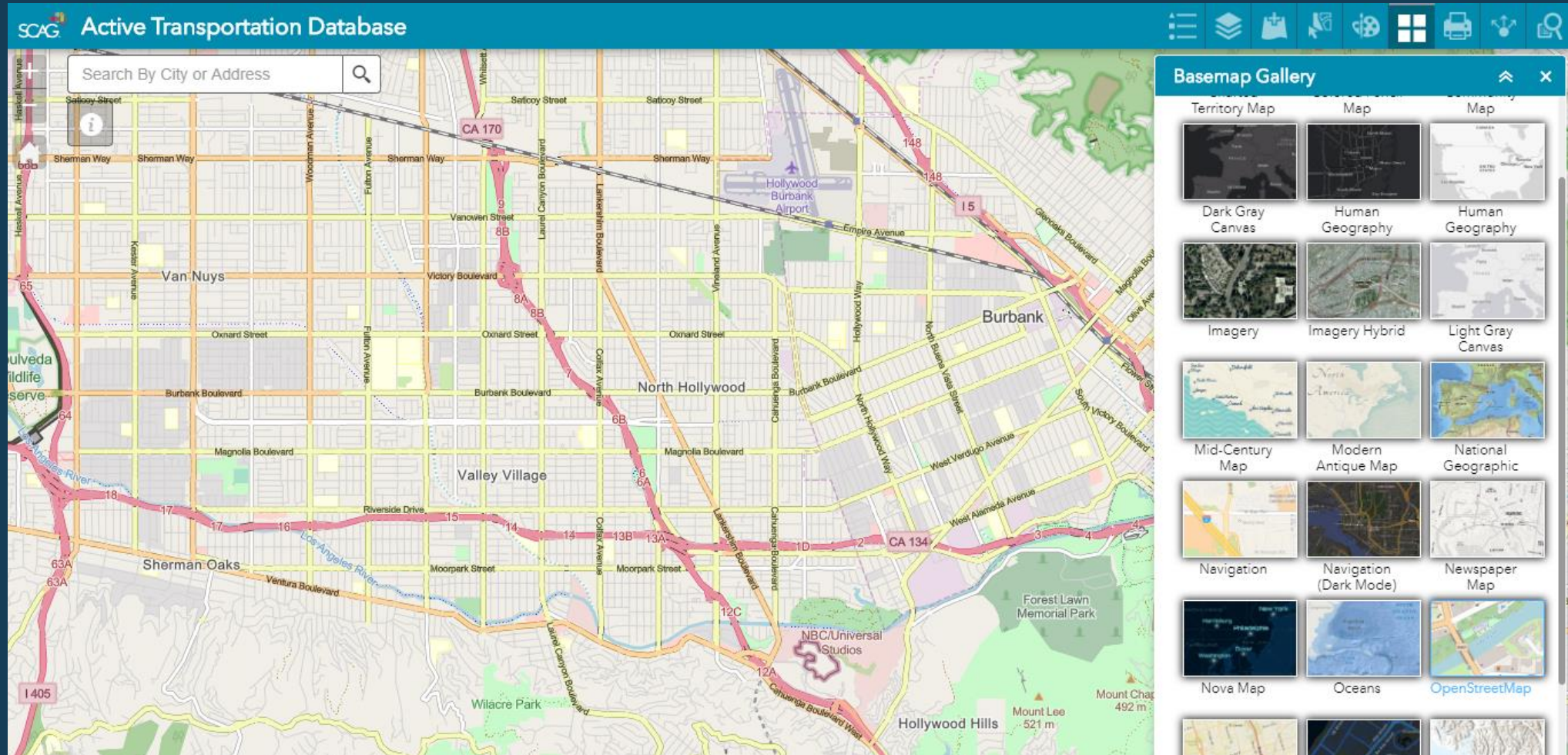
## 5. Drawing

- Select drawing mode, color, style, transparency, and width
- Drawing tools will provide pop-up instructions for starting/finishing
- The drawing tool may be useful for illustrating a project's extent for ATP Applications



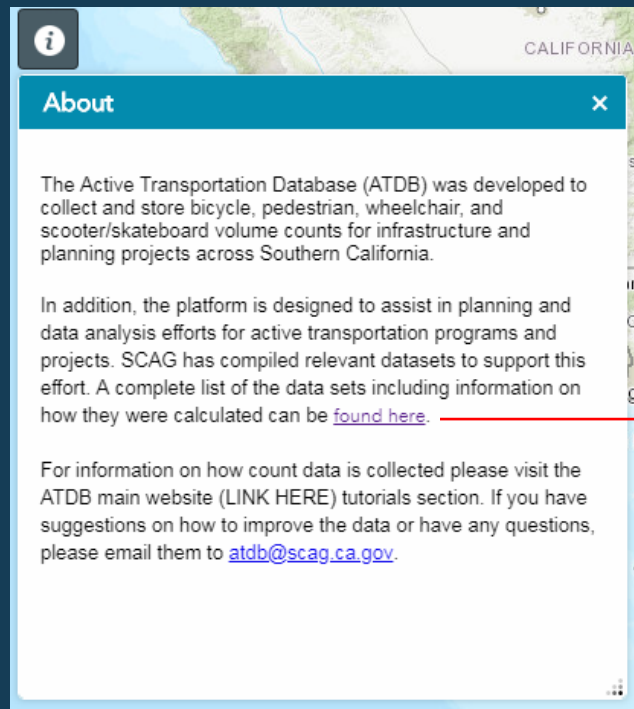
# 6. Basemap Options

- Change the basemap by selecting from the basemap gallery



## 7. Query

- SCAG has developed basic Queries for the count data in the database. For more information on this data visit the tutorials section of the main database or read the data dictionary.



The screenshot shows a mobile application interface with a map of California in the background. A blue 'About' dialog box is open, containing the following text:

**About**

The Active Transportation Database (ATDB) was developed to collect and store bicycle, pedestrian, wheelchair, and scooter/skateboard volume counts for infrastructure and planning projects across Southern California.

In addition, the platform is designed to assist in planning and data analysis efforts for active transportation programs and projects. SCAG has compiled relevant datasets to support this effort. A complete list of the data sets including information on how they were calculated can be [found here](#).

For information on how count data is collected please visit the ATDB main website ([LINK HERE](#)) tutorials section. If you have suggestions on how to improve the data or have any questions, please email them to [atdb@scag.ca.gov](mailto:atdb@scag.ca.gov).

A red arrow points from the 'found here' link in the screenshot to the 'Bikeways' section on the right.

### Transportation

#### Bikeways

The SCAG Regional Bikeway Shapefile (RBS) has been compiled by SCAG in coordination with the region's six County Transportation Commissions. Commissions use different strategies for compiling their files so some counties may be more up to date or contain different amounts of data than others. Updating the RBS is an ongoing process. The ATDB displays the region's bikeways by existing and proposed by class. Both layers include the fields defined below:

#### **Name (Name)**

Name of the project or improvement the bikeway segment is in.

#### **City (City)**

Name of the jurisdiction the bikeway segment is located in.

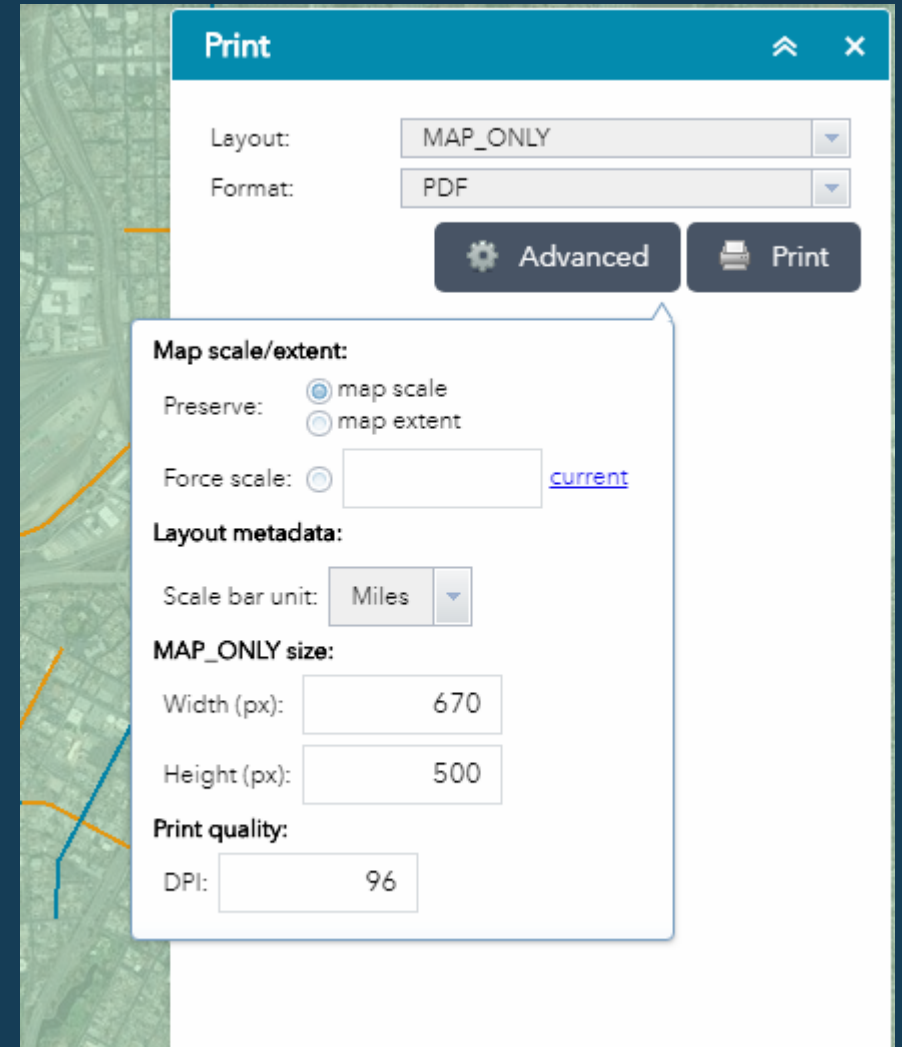
#### **County (County)**

Name of county in which the bikeway segment is located.



## 8. Print

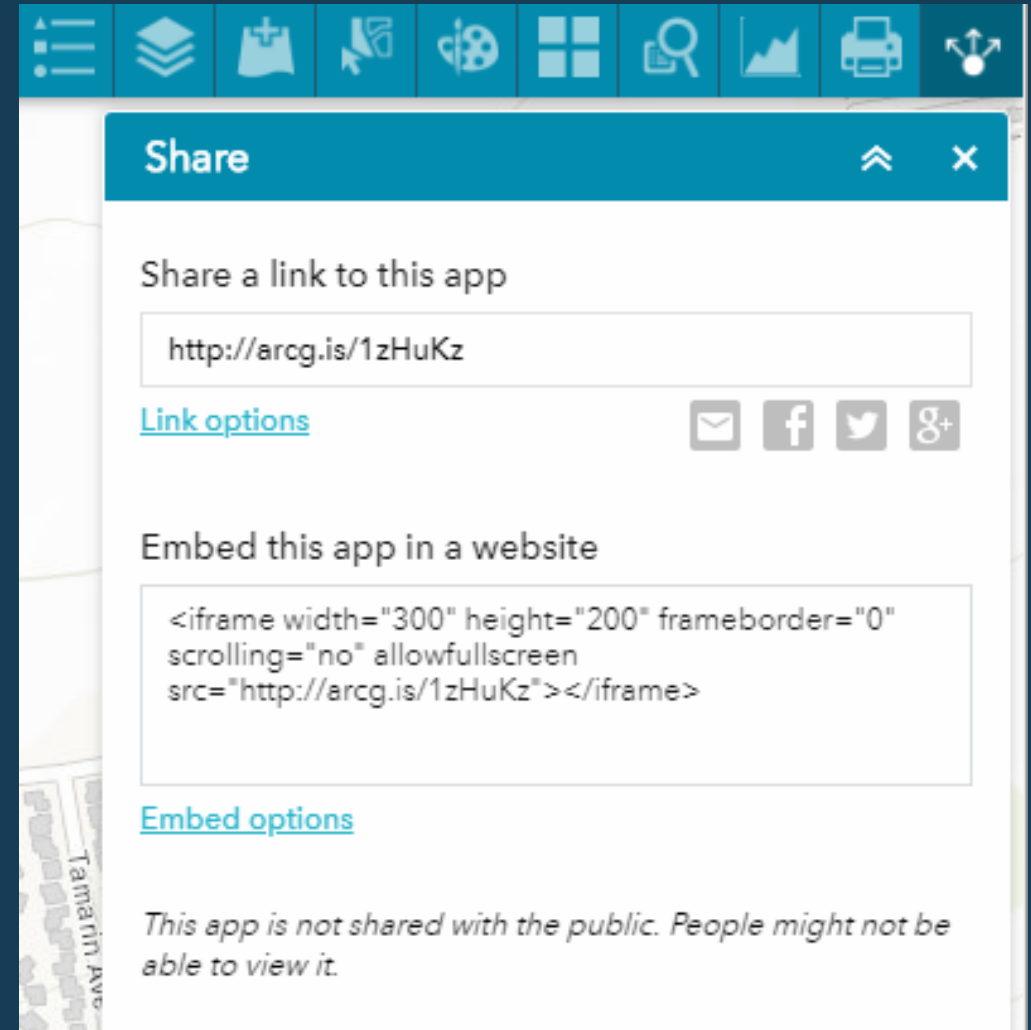
- Select size and layout
- Print map to PDF, JPG, or several other formats
- Click on the 'Advanced' button for more options including quality DPI, scale, etc.



## 9. Share

Share a link to the app or embed the app in a website





- *NOTE: these links will lead directly to the default ATDB Map Application and will not include any changes you have made to the map*



Share

Share a link to this app

<http://arcg.is/1zHuKz>

[Link options](#)    

Embed this app in a website

```
<iframe width="300" height="200" frameborder="0"
scrolling="no" allowfullscreen
src="http://arcg.is/1zHuKz"></iframe>
```

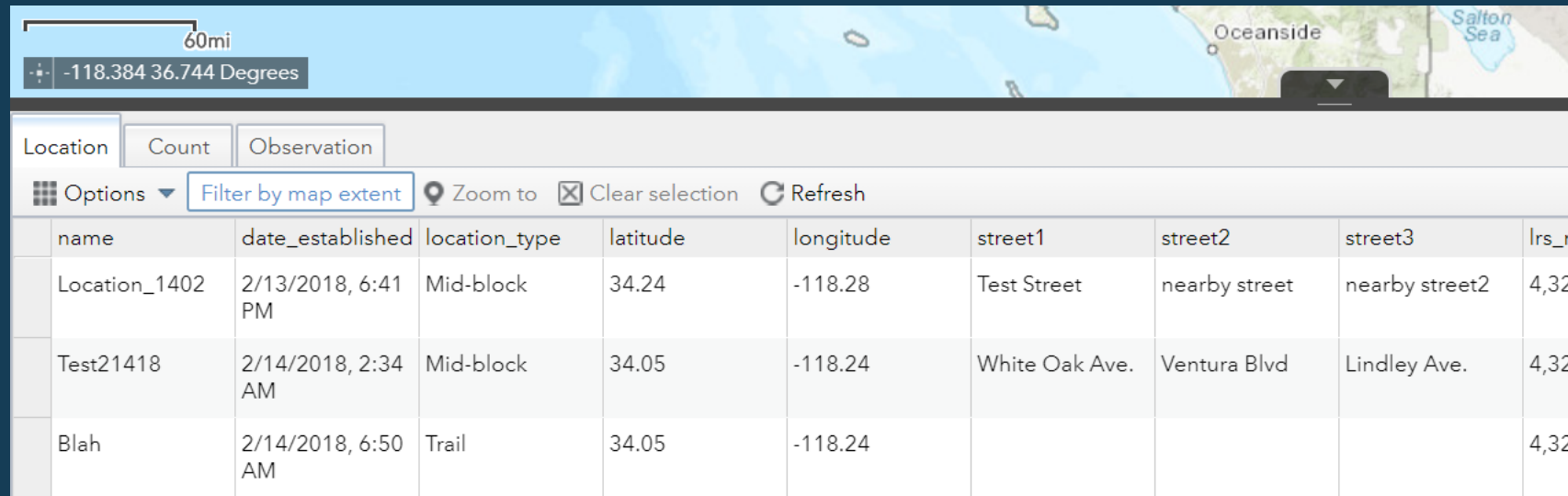
[Embed options](#)

*This app is not shared with the public. People might not be able to view it.*

# Using the Count Data – Views

## Views

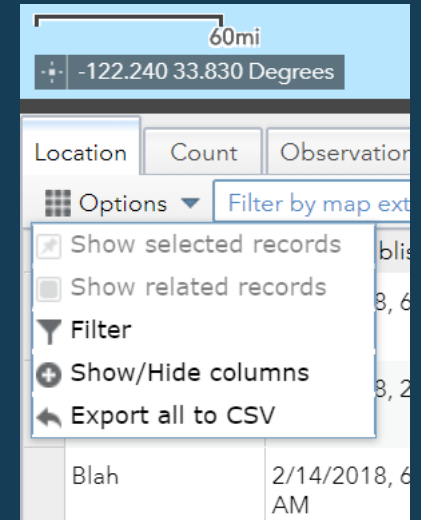
- Location – Includes summary data for each location
- Count – Includes binned data (e.g. 15 minute samples)
- Observation – Will include individual observation data from mobile app and automated counters



name	date_established	location_type	latitude	longitude	street1	street2	street3	lrs_rc
Location_1402	2/13/2018, 6:41 PM	Mid-block	34.24	-118.28	Test Street	nearby street	nearby street2	4,326
Test21418	2/14/2018, 2:34 AM	Mid-block	34.05	-118.24	White Oak Ave.	Ventura Blvd	Lindley Ave.	4,326
Blah	2/14/2018, 6:50 AM	Trail	34.05	-118.24				4,326

# Using the Count Data – Filter and Export

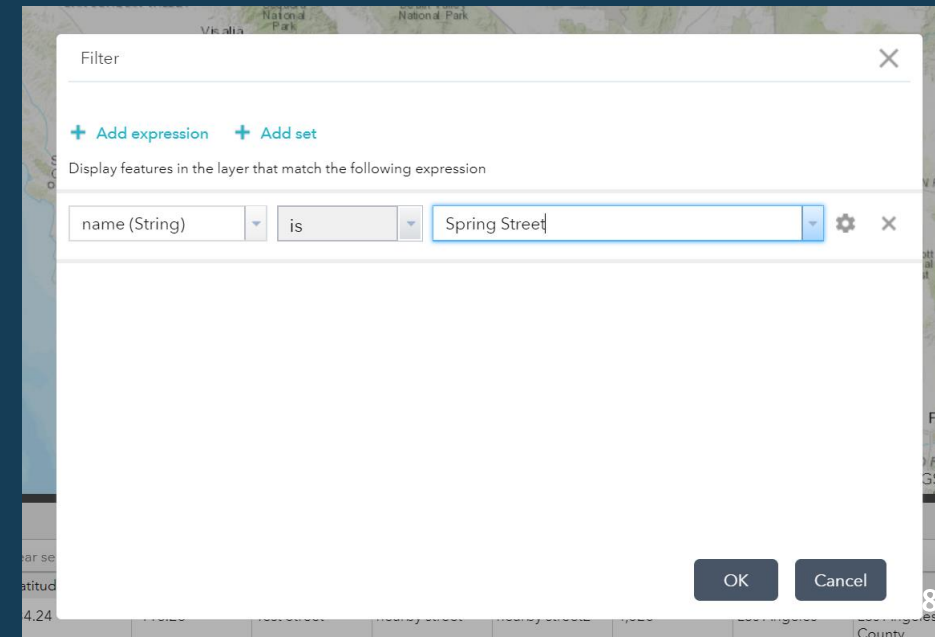
- Data can be filtered by any field
- Definitions for each field can be found in the data dictionary
- Multiple filters can be used to filter by time, location, etc.
- Results can be exported as CSV for further analysis



## ATDB Data Dictionary

Last revised April 24, 2018

The Active Transportation Database (ATDB) was developed to collect and store bicycle, pedestrian, wheelchair, and scooter/skateboard volume counts for infrastructure and planning projects across Southern California. In addition, the platform is designed to assist in planning and data analysis efforts for active transportation programs and projects. SCAG has compiled relevant datasets to support this effort. The ATDB Data Dictionary provides a complete list of the datasets included on the ATDB in the order they are listed. Each layer description includes information on how the data was calculated and its source. The ATDB Data Dictionary will be updated on an ongoing basis as new data becomes available and layers are added or updated.



# Thank You

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[www.scag.ca.gov](http://www.scag.ca.gov)

