

TransBASE

User Manual



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San Francisco Department of Public Health
Environmental Health Division
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I.0 Introduction

This document is intended to guide users on how to use the web based portal for accessing information within TransBASE. It contains all essential information for the user to make full use of the TransBASE web portal including navigation, data layer manipulation, querying, printing, and accessing metadata.

I.I Project Overview

TransBASE's goal is to serve as the central data repository for all public health related transportation data; to be a free and open data resource for the general public to use; and to support interagency collaboration, data standards, and data sharing within San Francisco. The primary users of this database will be city staff involved in transportation safety research and individuals/groups in the general public who would use the data to conduct research or advocacy work.

TransBASE grew out of SFDPH-PHES's work on pedestrian safety. In San Francisco, approximately half of fatal injuries in motor vehicle collisions are suffered by people walking—compared to 13% nationally.

Approximately 20 pedestrians die each year in motor vehicle collisions, and over 800 people are injured annually. Transportation system-related injuries and deaths have high associated social and medical costs, with pedestrian injury-related hospital costs at San Francisco General Hospital alone estimated at \$15 million annually. Understanding spatially correlated environmental factors that contribute to the safety of the transportation system can inform targeted, efficient safety practice.

Data applications of TransBASE to date to integrate health considerations into transportation initiatives include:

- Identifying high-injury corridors for targeted safety efforts for San Francisco's Pedestrian Strategy, developed to achieve the City's target of reducing severe and fatal pedestrian injuries by 50% by 2021.
- Informing WalkFirst – an inter-agency collaboration to create San Francisco's Pedestrian Safety Capital Improvements Investment Strategy - with crash data linked to street, transit, infrastructure, land use, and population factors for systematic, citywide analyses of crash patterns.
- Developing multivariate models to identify environmental correlates of pedestrian injuries to support the City's prioritization of areas and countermeasures for safety improvements.

While its origins are in pedestrian safety, TransBASE is being developed to inform a comprehensive approach to understanding health impacts of transportation systems, including safety, access, physical activity, air and noise quality, and health disparities. TransBASE is part of a larger SFDPH-PHES effort to improve city services through San Francisco's Open Data Policy. The goal of open data initiatives is to keep the San Francisco community informed, connected, and engaged with government. To that end, SFDPH-PHES is working to improve the content and accessibility of TransBASE in coordination with City agencies and community partners so that it can help address transportation system safety, sustainability, community health, and equity in San Francisco. The long-term goal is for TransBase to serve as the central data repository for all public health-related transportation data; to be a free and open data resource for the general public to use; and to support interagency collaboration, data standards, and data sharing within San Francisco.

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1.2 Disclaimer

The data in TransBASE is being provided as public information as defined under San Francisco and California public records laws. The San Francisco Department of Public Health (SFDPH, or the Department) cannot limit or restrict the use of this data or its interpretation by other parties in any way. Where the data is communicated, distributed, reproduced, mapped, or used in any other way, the user should acknowledge SFDPH as the source of the data, provide a reference to the original data source where also applicable, and note any caveats specified in the associated methodological documentation provided by the Department. However, users should not attribute their analysis or interpretation of this data to SFDPH. While the data has been collected and/or produced for the use of SFDPH, the Department cannot guarantee its accuracy or completeness. As all data is associated with methodological assumptions and limitations, the Department recommends that users review methodological documentation associated with the data prior to its analysis, interpretation, or communication.

1.3 TransBASE Layout Overview

TransBASE contains 5 main sections with nested panels, buttons, displays, and tools:



1. **Navigation Bar (Top Area)**
2. **Features Panel (Left Area)**
3. **Map Panel (Center Area)**
4. **Information Panel (Right Area)**
5. **Bottom Bar (Bottom Area)**

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2.0 Navigation Bar

The Navigation Bar contains items that allow you to navigate the Map Panel including pan, zoom, and other navigation buttons; access tools that allow you to query datasets or create prints; zoom to an address on the map; and view items in the Help Menu.



2.1 Identification Tool



The Identify Tool (1) lists the feature(s) at a clicked upon location within the map. See Section 7.0 for more detail on how to use the Identify Tool in TransBASE.

2.2 Pan Button



The Pan Button (2) allows you to move around within the current map window in any direction. Once you make this the active button, move to the area on the map you want to start panning from, and press/hold down with your index finger on the mouse button to move the map around. Release the mouse button to redraw the map at the new position. Continue the process until you get to your desired area.

2.3 Zoom In Button



The Zoom In Button (3) will enable you to move in closer into a specific area. This functionality should be used when a more detailed view is needed.

2.4 Zoom Out Button



The Zoom Out Button (4) will bring you out of a specific area. This functionality should be used when a more general view is preferred.

2.5 Zoom to Full Extent Button



The Zoom to Full Extent Button (5) allows you to quickly zoom out to the full extent of San Francisco in the Map Panel.

2.6 Back to Previous Extent Button



The Back to Previous Extent Button (6) allows you to return to your previous zoom or panned level.

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2.7 Return to Extent Button



The Return to Extent Button (7) allows you to return back to your original zoom or panned level prior to using the Back to Previous Extent Button. This button will be grayed out until the Back to Previous Extent Button is used.

2.8 Print Map Tool



The Print Map Tool (8) allows for the creation of high quality map printouts saved in a variety of file formats. Please see Section 8.0 for more detail on how to use the Print Map Tool in TransBASE.

2.9 Query Dataset Tool

Query Datasets

The Query Dataset Tool (9) lets you query datasets in TransBASE by attributes, spatial location, or coincidence with another data layer. The results of a query can then be downloaded as CSV, shapefile, or as GeoJson. Please see Section 9.0 for more detail on how to use the Print Map Tool in TransBASE.

2.10 Search For Address Tool

Search for Address in San Francisco

The Search For Address Tool (10) can be used to zoom the Map Panel on to a specific address within the city of San Francisco. As you type an address the tool will try to automatically find matches based on the text you have entered.

2.11 Help Menu Button



Clicking the Help Menu Button (11) will bring up a menu of links to useful documents and information in TransBASE. If you have any questions about TransBASE, clicking the Help Menu Button is a good place to start. The Help Menu contains the following documents:

User Manual: The document you are reading now. Use this document to understand how to interact with the TransBASE web portal interface and access the latest version of TransBASE's Data Dictionary.

About/FAQ: This document will outline some common questions and answers on specific questions about TransBASE. It also contains more general information about the project and its origins.

Technical Manual: This document outlines the technical design and systems that make up TransBASE read this document. If you are interested in learning more about the relationships between tables in the database, what software packages TransBASE is currently using.

YouTube: This menu item will link you to a series of YouTube videos documenting how to use the TransBASE web portal interface. The material covered in these videos can also be found in the User Manual.

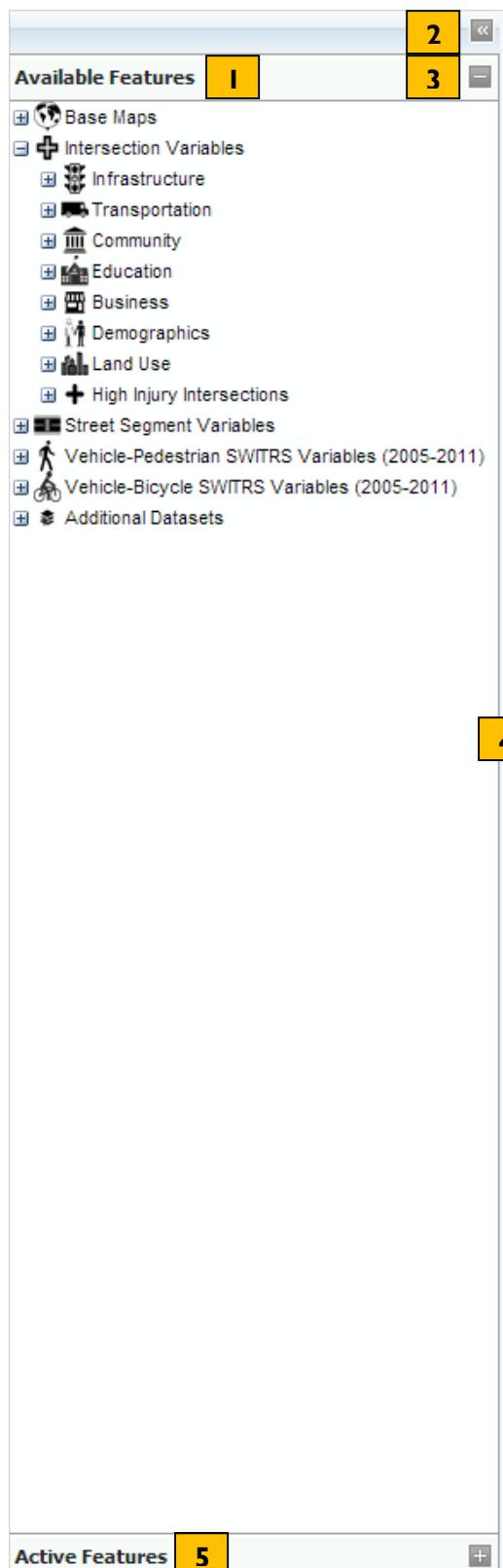
New Datasets: This menu item will direct you to a webpage containing a list of recently added datasets to TransBASE. Please check this list periodically to see what new datasets are available TransBASE.

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Bug Report: This menu item is only available during the beta phase of TransBASE. It will direct you to a webpage with the latest bugs found in TransBASE. Please consult this page before submitting your bug report spreadsheet.



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3.0 Features Panel

In Features Panel you can turn on and off data layers currently available in the TransBASE web portal or expand the Metadata Panel for additional information on each data layer. Data layers are grouped by similar themes and generally reflect the schema of the underlying database. Section 11 contains more information about the data layers found in this panel. Actions taken in this panel will cause changes in both the Map Panel (adding data to the map) and Information Panel (viewing metadata or legends).

3.1 Available Features

Within the Available Features Panel (1) in the TransBASE web portal are all the layers that currently have an assigned symbology within the web viewer. Data layers are thematically ordered by the level of detail – either at an intersection level, a street segment level, or another polygon area (i.e. neighborhoods, census tracts). Click the plus sign next to the layer you are interested in viewing to reveal the full list of available layers under that theme. Turn the layer on by checking the box next to its name.

- 4
- Infrastructure
 - Intersection Control Device
 - Intersection Description
 - Intersection Type
 - Presence of Audible Traffic Signal (ATS)
 - Presence of Traffic Calming Feature
 - Presence of Continental Crosswalk
 - Presence of School Crosswalk
 - Presence of Truck Route
 - Count PUC Lights Along Segments
 - Count of Trees within 50-foot Radius
 - Count of Trees within 100-foot Radius
 - Count of Trees within 500-foot Radius
 - Count of Trees within Quarter Mile Radius
 - Count of Muni Lines Crossing Intersection
 - Count of Muni Stops within 100 Feet
 - Count of Off Street Parking Along Segments
 - Count of On Street Parking Along Segments
 - Maximum Slope Along Segments

To turn a layer off simply click on the check box next to its name and the layer will be removed from the map.

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3.2 Collapse Features Panel

The Collapse Features Panel (2) button will collapse the entire left side panel allowing for a cleaner, more unobstructed view of the map. To bring the panel back, simply click on the button again.

3.3 Collapse/Expand Sub Panel

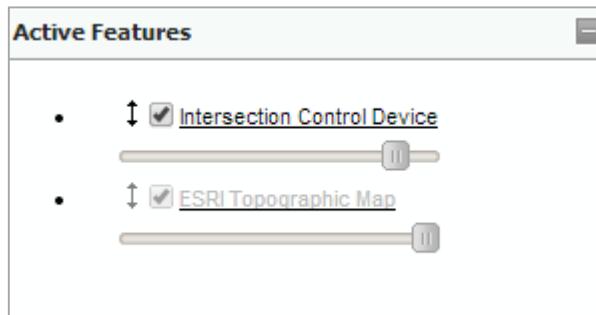
The Collapse/Expand Sub Panel (3) button allows you to switch between the Available Features and Active Features Panels.

3.4 Adjust Panel Width Cursor

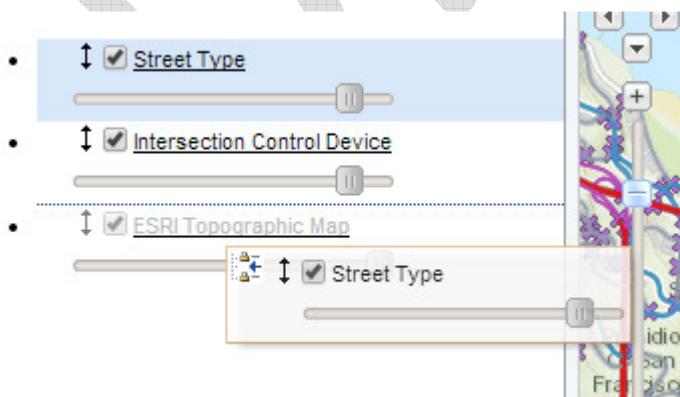
Placing your mouse arrow over this section of the panel (4) will change your cursor into a double headed arrow and allow you to change the width of the panel. This is useful if any information within the panel is cut off or you need more room to view data on the map.

3.5 Active Features Panel

After you select a data layer to display on the map the data layer name will appear in the Active Features Panel (5). Only data layers that are turned on will be present in this panel. The Active Features Panel allows you to quickly see which data layers are activated, turn them off, and change the transparency of the data layer on the map so it is easier to see overlapping features.



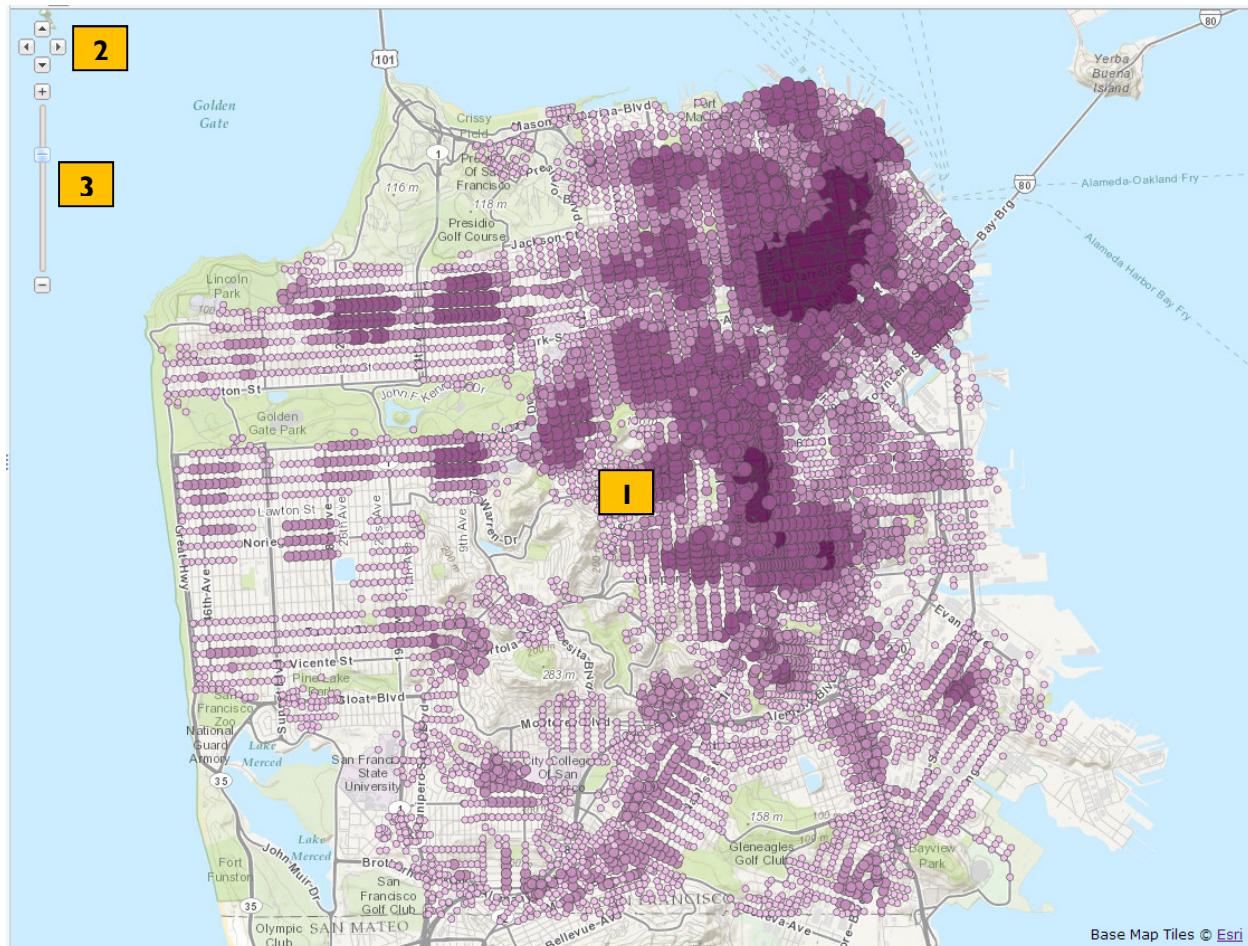
In addition, by clicking on a data layer, holding down the mouse button, and dragging the data layer, you can change the order in which the data layers draw on the map. This is useful if the top drawing data layer is obscuring information you would like to see on a lower data layer. Base layers will always be greyed out and are unchangeable in the stack order.



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4.0 Map Panel

The Map Panel is where data layers are visualized. When you turn on and off layers, they will appear or disappear on this display. In addition, the Map Panel contains navigation buttons to help you find your way around the map.



4.1 Main Map Panel

Any data layers in the Available Features Panel may be added to the Main Map Panel (1). The Main Map Panel's extent is limited to only San Francisco. A base map will always be active in the Main Map Panel and sometimes additional information about the base map's source will be located in the lower right hand corner.

4.2 Navigation Buttons



The arrows may be used to pan the map (2). Click an arrow to pan the map north, south, east, or west. This is useful when you have zoomed in on a location, and want to move the map around to see other areas of interest.

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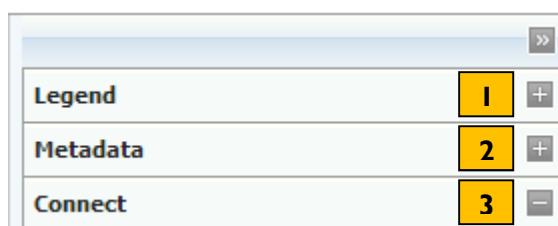


4.3 Zoom Slider Button

The Zoom Slider Button (3) is used to zoom in or out on the map. Click the plus sign to zoom in one level on the center of the map or the minus sign to zoom out. To zoom in or out multiple zoom levels, drag the zoom slider up or down, and release the mouse button at the desired zoom level. If you move your cursor over the middle slider button, it will create a tip window showing the map's current zoom level, scale, and resolution.

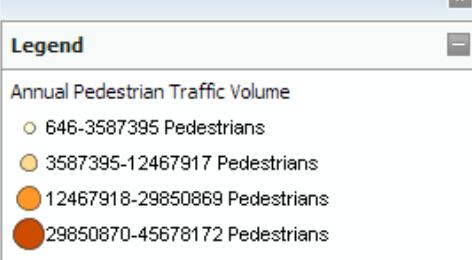
5.0 Information Panel

The Information Panel located on the right hand side of the TransBASE web portal contains additional information about the active layers in the map including a legend, the ability to view the layers metadata, and instructions on how to connect to TransBASE database using software outside of the website.



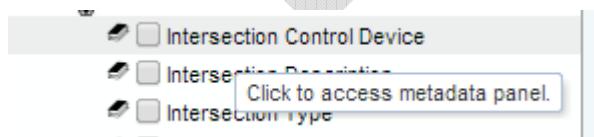
5.1 Legend Panel

The Legend Panel (1) contains a key for decoding the data shown on a map, containing swatches of symbols with descriptions. The Legend Panel will automatically update with any legends available from selected data layers in the Available Features Panel. This legend will also appear on any printed maps if specified in the Print Map tool. Multiple legends may appear if multiple data layers are turned on.



5.2 Metadata Panel

Metadata is a set of data that describes and gives information about other data. It contains information like: author of the data, original source, and date the data was created. The Metadata Panel (2) contains information about a selected data layer from the Available Features Panel. In order to populate the Metadata Panel you click once on the data layer you are interested in retrieving the metadata for from the Available Features Panel.



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Once a data layer is clicked, the Metadata Panel will automatically open and populate with the metadata for that layer. The Metadata Panel contains the following information:

Metadata	
Intersection Community Variables	
Table	tbl_st_intrscn_cmnty
Field Name	com_center_cnt_qrt_mle
Original Source	Department of Aging & Adult Services
Original Field Name	
Original Data Source	Community_Centers.shp
Data Date	2008
Data Description	Number of community centers within quarter mile of intersection
Use Limitations	None
On DataSF	Yes
Point of Contact	Devan Morris
Date Added to Transbase	2013
Update Schedule	Biannually
Documentation	Link
Comments	
Data Key	Value - Description 0 - Minimum 1 - Mean 0 - Median 16 - Maximum

Table – This is the name of the table in TransBASE that the given data layer resides in.

Field Name – This is the name of the field (column) within the table that contains the attributes of the data layer you selected.

Original Source – This is the original agency/author of the data layer prior to being imported into TransBASE.

Original Field Name – This is the original field name of the data layer's attributes from the original data layer source.

Original Data Source – This is the name of the file from the original source.

Data Date – This is the date that the original data was created.

Data Description – This is a description of the data and may include any caveats associated with the data.

Use Limitation – This will contain any information on use limitations for this data layer.

On DataSF – If “Yes” it means the original data source is available on www.datasf.org.

Point of Contact – This is the agency point of contact for more information about the original data source.

Date Added to TransBASE – This is the year that the data was incorporated into TransBASE.

Update Schedule – This notes, ideally, how often the data should be updated from the original source.

Documentation – This provides a link to any additional layer documentation if available.

Data Key – This notes all the values that are possible in a given layer. If the data is qualitative each unique attributes will be shown. If the data is quantitative a minimum, mean, median, and maximum value will be shown. You can use this information when you use the Query Dataset Tool (see Section 10.0).

Finally, you have the ability to scroll through all metadata information by using the Previous and Next buttons. Note that this panel contains metadata for all layers within TransBASE and may include layers that have not yet been symbolized for viewing in the web based map portal. You can find more information on data layers available in TransBASE in Section 14 of this document.

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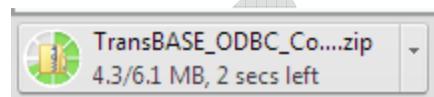
The screenshot shows the 'Additional Connection Methods for TransBASE' section of the TransBASE web portal. It includes:

- Connect with ODBC:** TransBASE can be connected to using an ODBC connection to Excel/Access/etc. Click the link below, download the file, unzip it, and follow the steps in the PDF.
[Download ODBC Connection](#)
- Connect with ESRI ArcGIS 10.1:** TransBASE can be connected to using a server connection in ArcGIS. Click the link below, download the file, unzip it, and follow the steps in the PDF.
[Download ArcGIS Connection](#)
- Connect with QGIS:** TransBASE can be connected using open source QGIS through a PostGIS connection. Click the link below, download the file, unzip it, and follow the steps in the PDF.
[Download QGIS Connection](#)

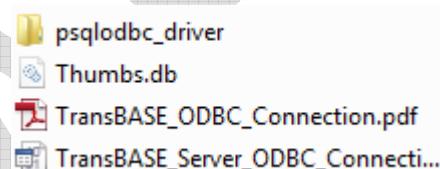
5.3 Connection Panel

The Connection Panel (3) provides information on how to connect to the TransBASE database using either an ODBC connection, through ArcGIS 10.1 (or above) by Esri, or using a PostGIS connection in QGIS (an open source geographical information system).

After you click the “Download...” link your browser should start downloading a zip file.



Within this zip file additional information including any driver files need and instruction on how to install those drivers will be within this zip file. After following the steps in the downloaded instructions you will then be able to access the main TransBASE database.



6.0 Bottom Bar

The Bottom Bar contains information related to the projection of the Map Panel and the coordinates of the mouse's position on the map. As the TransBASE web portal evolves it may also be used for additional tool buttons.



6.1 Coordinate System Display

All of the layers in the TransBASE web portal are displayed in EPSG:900913 (also known as EPSG:3857) -- WGS84 Web Mercator (Auxiliary Sphere) map projection (1). It is a projection used in many popular web mapping applications (Google/Bing/OpenStreetMap/etc) and allows the external base maps to line up correctly with the layers found in TransBASE. All distance calculations within the data layers were calculated in EPSG:2227 -- NAD83 / California Zone III (Feet US) projection.

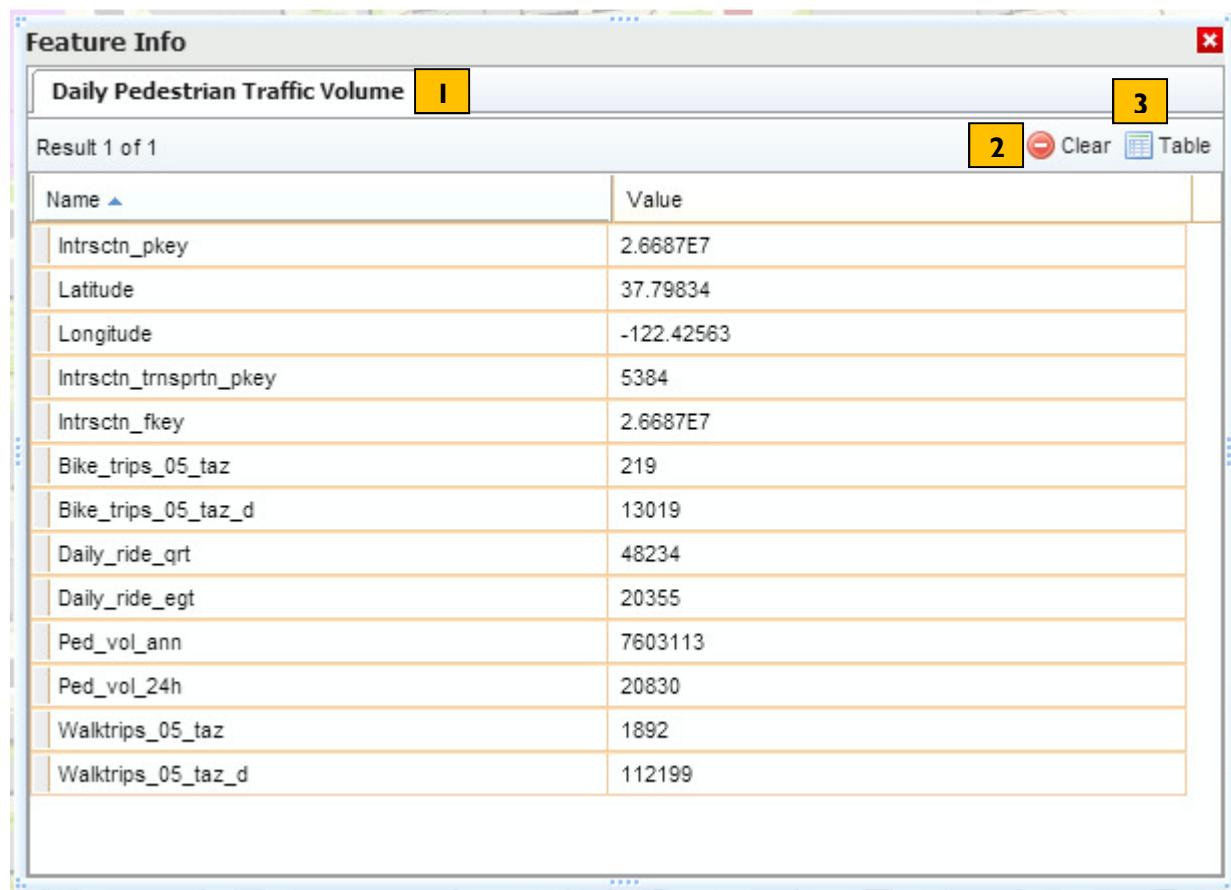
6.2 Cursor XY Location Display

This displays the longitude (X) and latitude (Y) coordinates at the position of your mouse cursor on the map (2). These units are in meters and use the EPSG:900913 (also known as EPSG:3857) -- WGS84 Web Mercator (Auxiliary Sphere) projection.

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7.0 Identification Tool

The Identification Tool is used to quickly view the attribute table for any active data features currently displayed on the map. To use the Identify Tool, click the button then select one of the features located on the map. If two data layers from separate themes are turned on, the Identify Tool will show information for both layers.



7.1 Layer Info Tab

After a data layer is selected with the Identify Tool, a Query Results Table will be launched showing the attribute table of the feature you selected (see Section 12.0 for more information). The name of the data layer will be placed in the Layer Info Tab at the top of the table (1). If multiple data layers are selected with the identify tool, you will see multiple tabs within the table.



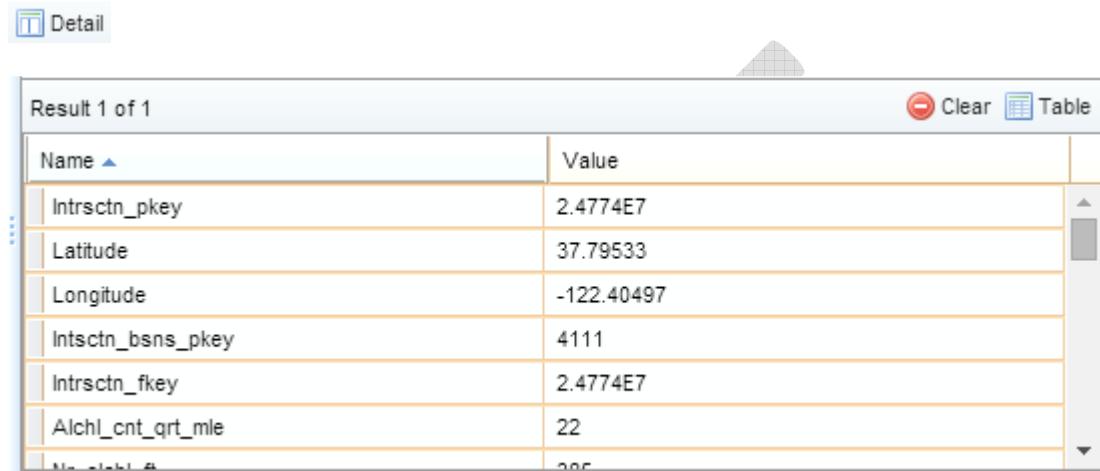
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7.2 Clear Selection

The Clear Selection Button (2) will clear the Query Results Table within the Layer Info Tab you currently have open. After clearing the table, you can then rerun the Identification Tool.

7.3 Table View

The Query Results Table allows you to view the information in a data layer in two ways. The default view is known as the Detail View.



Name	Value
Intrsctn_pkey	2.4774E7
Latitude	37.79533
Longitude	-122.40497
Intsctn_bsns_pkey	4111
Intrsctn_fkey	2.4774E7
Alchl_cnt_qrt_mle	22

This will display a single record within the attribute table of a data layer in a vertical manner. All the attributes for that particular record are displayed in the window which makes the information easier to read. By clicking the Table button (3), the attribute table will switch to a horizontal layout with each record selected occupying an individual row within the table. This view is more useful if you have multiple features selected.

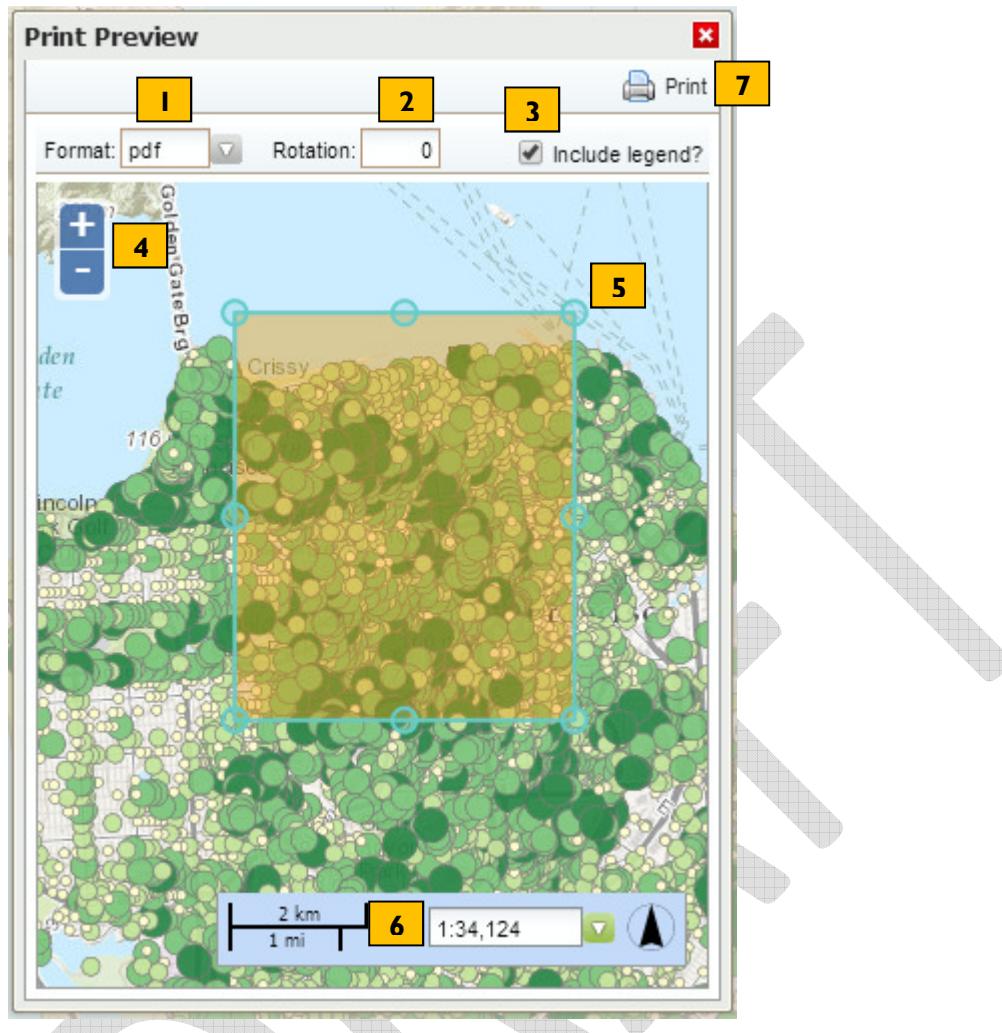


Intrsctn_pkey	Latitude	Longitude	Intsctn_bsns_pkey	Intrsctn_fkey	Alchl_cnt_qrt_mle
2.4774E7	37.79533	-122.40497	4111	2.4774E7	22

8.0 Print Tool

The Print Tool allows you to create high quality images of all the data layers you currently have activated in the map along with information like the legend and date the map was created. The Print Tool allows for a variety of page formats and scales depending on your needs. Using the Print Tool is a great way to share information you find on TransBASE. After you click the Print Tool, a new window will launch allowing you to set parameters within the tool and preview the map as it will be printed.

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8.1 Print Format

The first place to start within the Print Tool window is to set the Print Format (1). TransBASE has a variety of formats to choose from; however, PDF is the recommended format.

8.2 Rotation

The Rotation (2) option allows you to rotate the way data will be displayed on the map you print. Zero degrees (the default) will orient the map north.

8.3 Include Legend

Click to check the Include Legend (3) box if you would like to include a legend on your printed map.

8.4 Zoom Setting

Use the Zoom Setting buttons (4) to zoom in and out of the map preview.

8.5 Print Area

The orange box within the print preview window represents the area that will be printed when you run the tool (5). You can adjust the Print Area by clicking in its center and dragging it around the window. In addition,

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if you click one of the blue circles on the outside edge of the orange area you have the ability to change the scale or rotation of the map area.

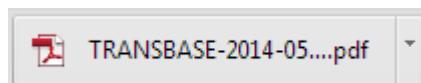
8.6 Set Scale

Clicking the Set Scale box (6) will display a drop down of all possible scales you can print your map at using the Print Tool.

8.7 Print Button

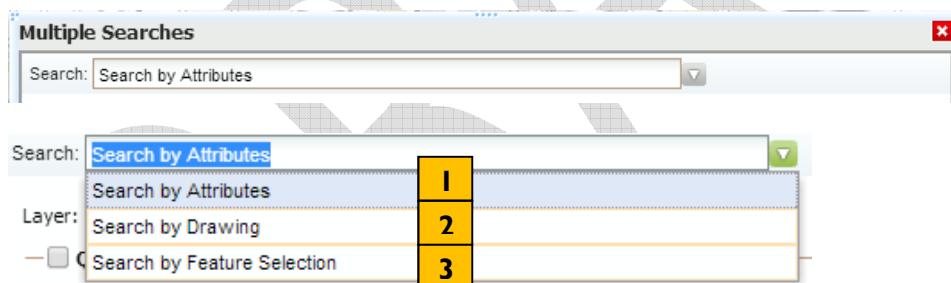
When you are finished adjusting all the other options within the Print Tool, you can click the Print Button (7) to generate your map. A “creating print” dialog may appear as your map is being generated. After it is finished, your web browser will download the map for you to access. All maps generated using the TransBASE web portal have the following name format:

TRANSBASE-{year}-{month}-{day}T{time}.{format}



9.0 Query Dataset Tool

The Query Dataset Tool allows you perform queries on the datasets located in TransBASE. The web portal will submit a web feature service (WFS) request from the server and display the results of the query on the map along with a table showing every record's attribute information. This selected data can then be downloaded in a variety of formats depending on your needs.



9.1 Search by Attributes

This query (1) allows you to specify that the results returned meet some text that will be used to search the attributes of a data layer. Multiple fields may be queried simultaneously to return very specific features. An example of searching by attributes may be trying to find all intersections with a signal and that have a continental crosswalk.

9.2 Search by Drawing

This query (2) allows you to manually select features from a data layer using a variety of drawing tools. The results returned will be all the features that are within the area specified. An example of using searching by drawing would be drawing a rectangle over an area of interest then returning all the features from a data layer that exist within that area.

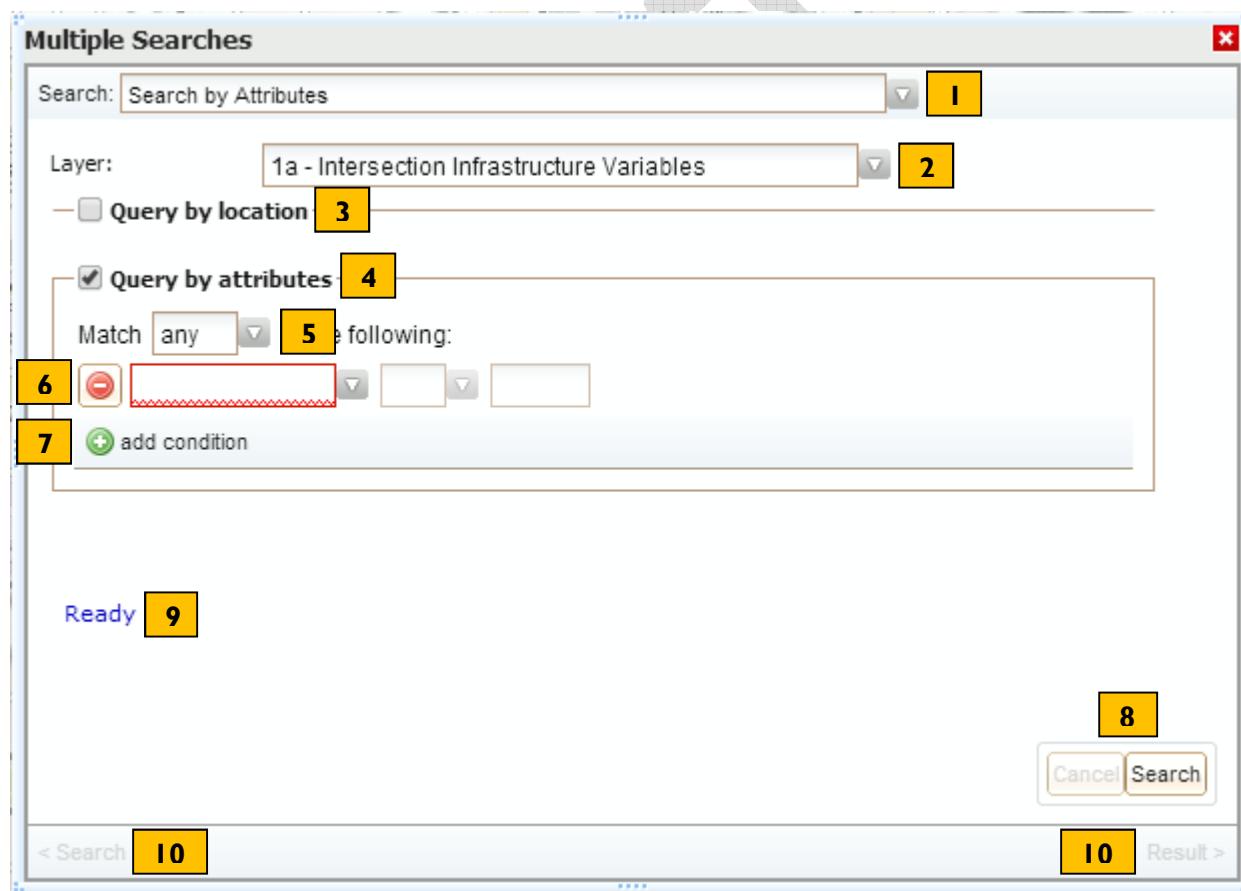
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9.3 Search by Feature Selection

This query (3) allows you to use features from one data layer to select features from a different data layer. This tool is really useful for finding where features between two layers coincide. An example of using the Search by Feature Selection would be selecting a specific neighborhood then selecting all the cyclist injuries that have occurred within that neighborhood.

10.0 Search by Attributes

The Search by Attributes query allows you to specify specific conditions that a record or set of records' attributes must match within the data layer. The logic of the query can be set so that only records that match all conditions, any conditions or none of the conditions are reported back. In addition, the tool can be set so only features within a specific geographic area are returned.



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10.1 Query Dataset Tool Setting

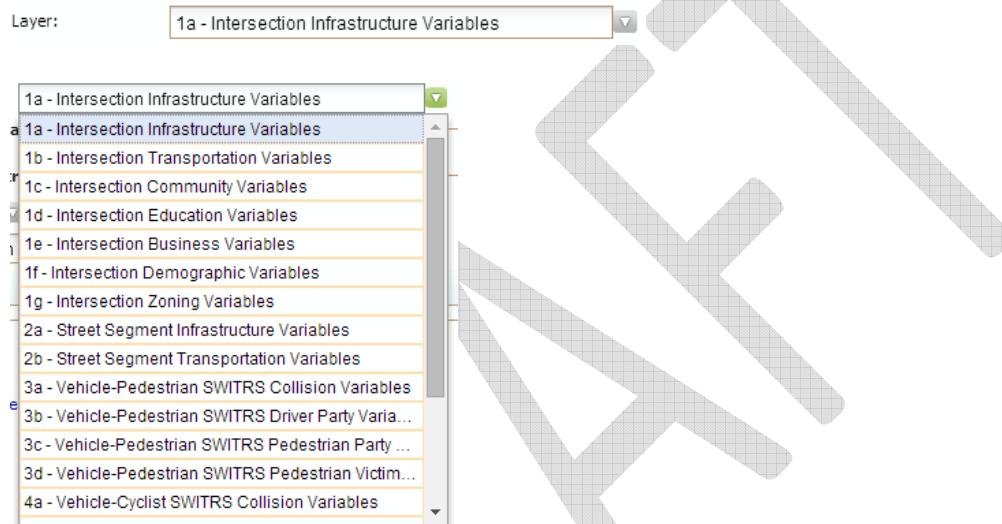
The Query Dataset Tool Setting (1) allows you to switch the type of query you are using. See Section 9.0 for more information about the query types currently available in the query tool.



Search: Search by Attributes

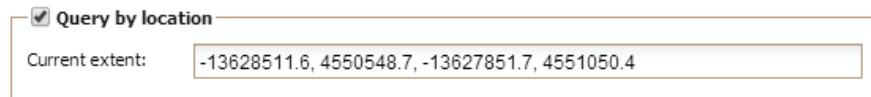
10.2 Data Layer Selection

Clicking on the Data Layer Selection drop down box (2) will allow you to choose which data layer you want to perform a query on. The data layers are grouped by theme similar to how they are displayed within the Available Features Panel. For more information about the specific fields in each data layer please see Section 14.0.



10.3 Query by Location Option

If you are interested in only querying a data layer within a specific extent you can set the tool to only report back records within the boundaries you define. By default the tool will set the extent of your query to the current extent of your map view (i.e. everything on your screen) if the Query by Location box (3) is enabled. The Query by Location box uses the EPSG:900913/EPSG:3857 WGS84 Web Mercator (Auxiliary Sphere) map projection with the units in meters.



Query by location

Current extent: -13628511.6, 4550548.7, -13627851.7, 4551050.4

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10.4 Query by Attributes Option

Clicking the Query by Attributes check box (4) will allow you to set specific parameters that you wish to select records by. If both the Query by Attributes and Query by Location options are left off, TransBASE will return all features within the data layer you have chosen.



10.5 Match Type Option

You can change the logic behind the query when multiple conditions are present to get different results using the Match Type Option (5). The following options are:

Any – Records that meet any condition specified in the tool will be returned. For example, an “any” search for intersections that have a traffic signal and intersections that have a bicycle lane will return all intersections that have *a* traffic signal, a bicycle lane, *or both* a traffic signal and bicycle lane.

All – Records that only meet all the conditions specified in the tool will be returned. For example an “all” search for intersection that have a traffic signal and intersections that have a bicycle lane will return only intersections that have *both* a traffic signal and a bicycle lane.

None – Records that meet none of the conditions specified in the tool will be returned. For example an “none” search for intersection that have a traffic signal and intersections that have a bicycle lane will return only intersections that *do not* have a traffic signal or a bicycle lane or both.



10.6 Attribute Parameters

Next you need to specify the conditions you require the results of your query to match. You can select the fields you are interested in querying using the first drop down box. The query tool will then search through all the attributes in this field and return those records that match the conditions you set in the next steps.

Comparison operators include equal, not equal, greater than, less than, greater than or equal to, less than or equal to, like (will search for character strings like the condition i.e. like *a would find all records with the letter a in them), and between (will search between two attributes i.e. between 1 and 5).

Next you need to fill type out the attribute value you want to use as your condition. At this point in time the attribute needs to be manually typed out. To understand what unique attribute values are available for a given field you can access the feature’s metadata panel then use the

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Data Key (see Section 5.0).

YES

10.7 Add Additional Attribute Parameters

Up to seven additional conditions can be specified within your attribute query. To add additional conditions click the green “add condition” button. Click the red minus button to remove conditions.

Query by attributes

Match **any** of the following:

<input type="radio"/>	bike_ln_yn	=	YES
<input type="radio"/>	signal_yn	=	YES
<input type="radio"/>	[empty]	[empty]	[empty]

add condition

10.8 Search Button

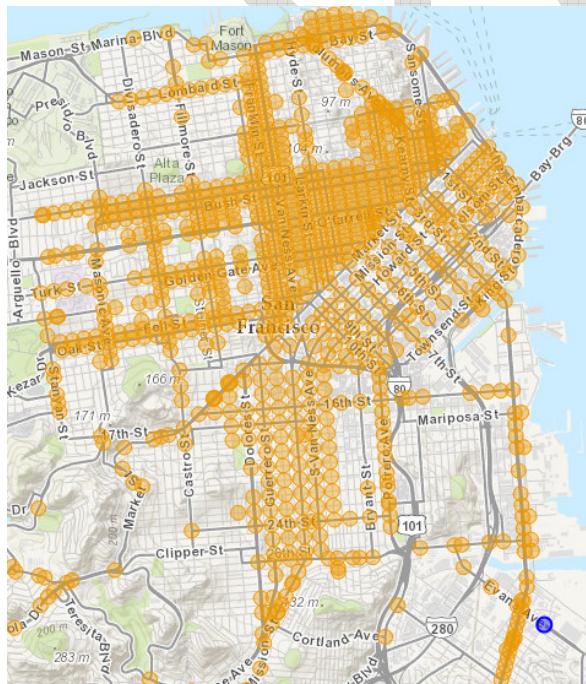
When you have set all the conditions click the Search Button (8) to run your query.

10.9 Search Dialog

The Search Dialog box (4) will inform you about the status of your query and give you an estimated time that your query has been running. Queries that return a larger number of records will take a longer time to run.

Searching...

10.10 Results Panel



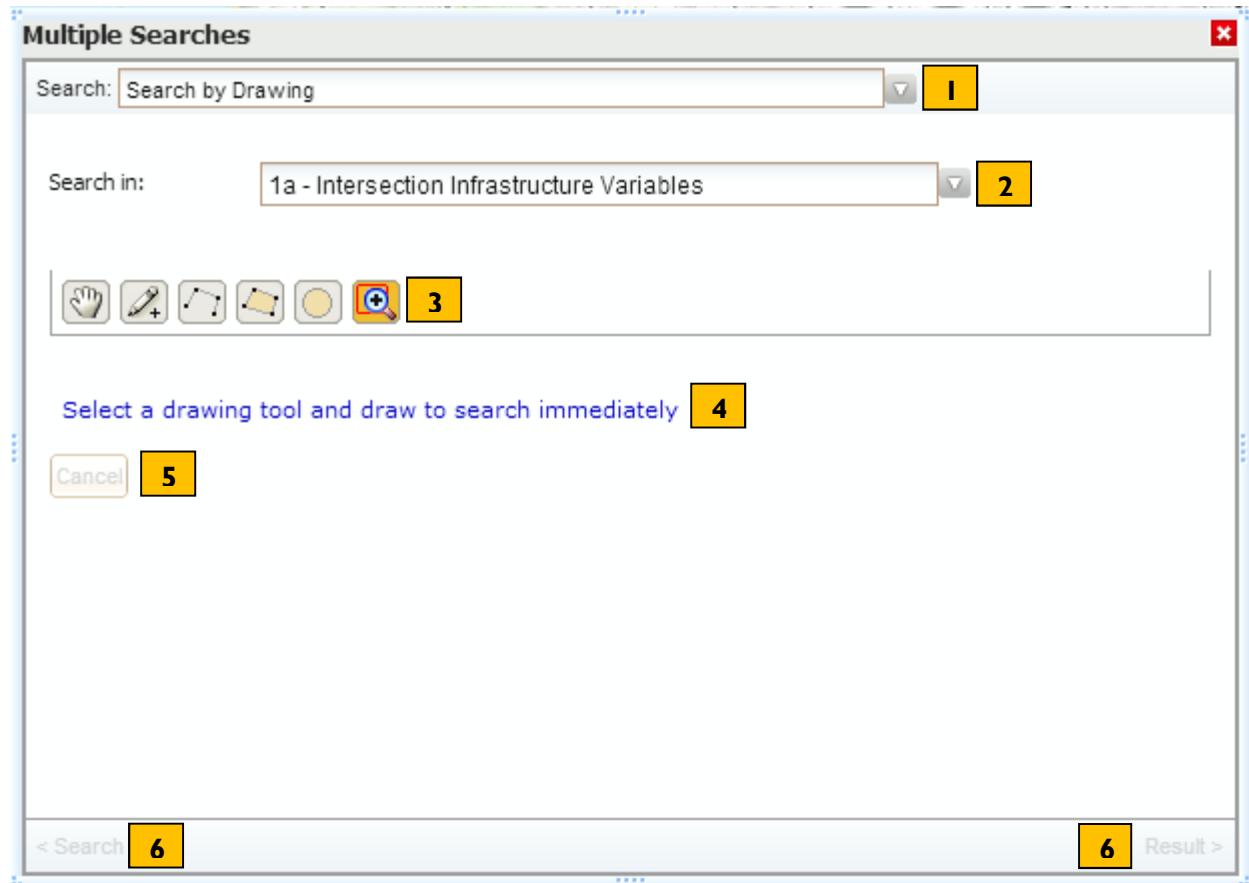
When your query is complete a Query Results Table will appear and all the features that meet your conditions will be highlighted in orange on the map.

See Section 13.0 for more options for the Query Results Table. You can move between the Search by Attributes tool options and the Results Panel by using the Results and Search buttons located at the bottom of the window.

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11.0 Search by Drawing

The Search by Drawing tool allows you to manually specify an area in which to search for records in a data layer. This tool is useful for selecting all records from a data layer within a given area that you define.



11.1 Query Dataset Tool Setting

The Query Dataset Tool Setting (1) allows you to switch the type of query you are using. See Section 9.0 for more information about the query types currently available in the query tool.

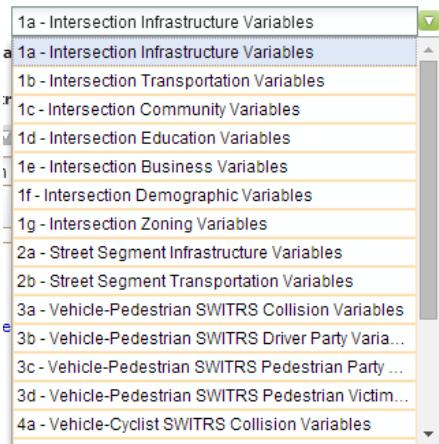


11.2 Data Layer Selection

Clicking on the Data Layer Selection drop down box (2) will allow you to choose which data layer you want to perform a query on. The data layers are grouped by theme similar to how they are displayed within the Available Features Panel. For more information about the specific fields in each data layer please see Section 14.0.



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11.3 Drawing Selection Options

The Search by Drawing Tool (3) has several options that allow you to choose which areas to query from. From left to right they are as follows:



Return to map navigation – This option will allow you to pan around the map while the Search by Drawing tool is open.

Draw a point – This option allows you to select records at a specific point on the map. To make a selection, move your mouse cursor over a point on the map and click once.

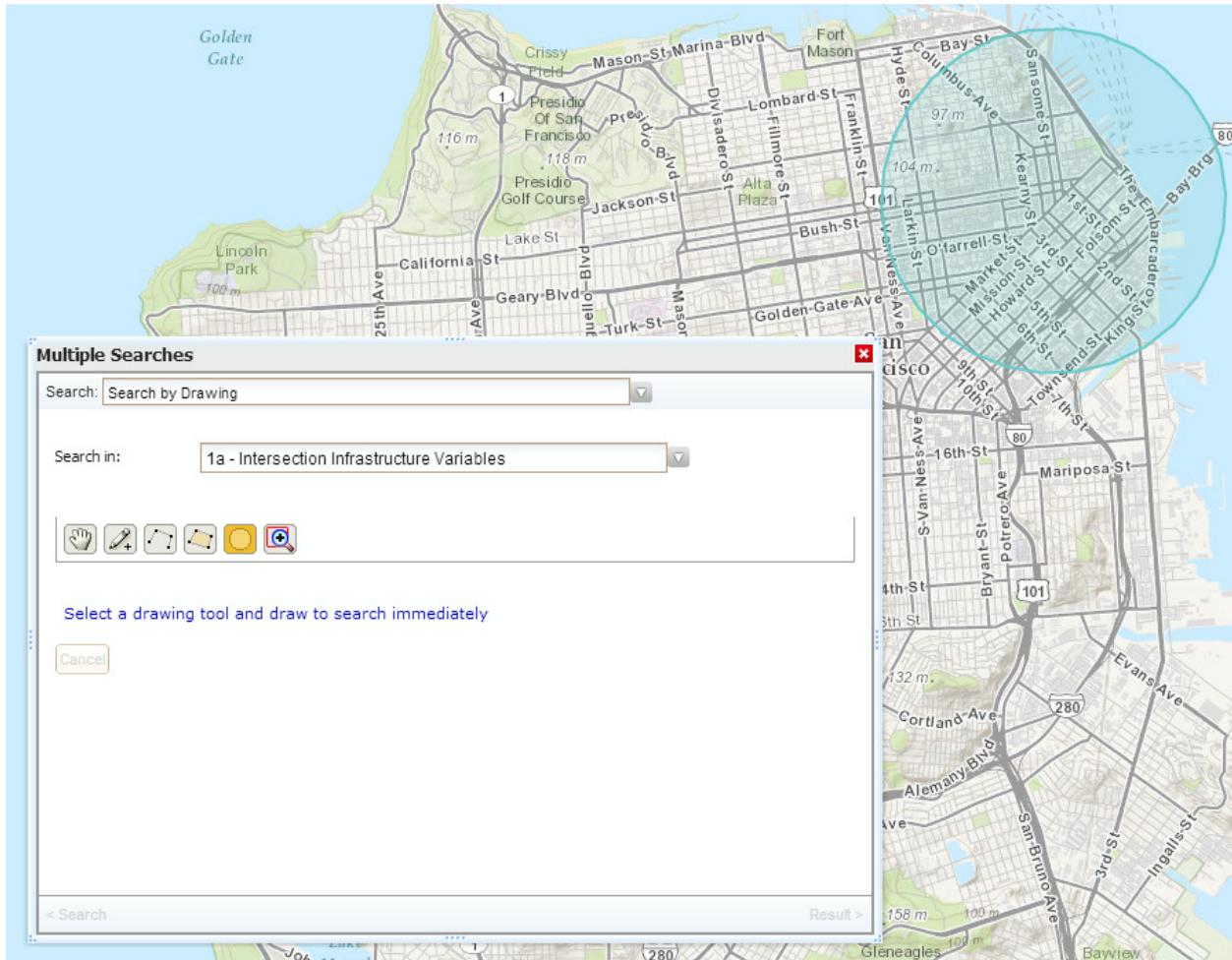
Draw a line – This option allows you to draw a line on the map and select any records that intersect that line. Each click of the mouse will place a vertex for the line. When you are satisfied with your placement of your line, double click to initiate your selection.

Draw a polygon – This option allows you to draw a polygon and select any records within that polygon's area. Each click of the mouse will place a vertex which will make up the polygon. When you are satisfied with the placement of your polygon, double click to initiate your selection.

Draw a circle – This option allows you to create a circle and select any records within the circle's area. To create a circle, click a point on the map and, while still holding the mouse button, drag your cursor away from the center of said point. When you are satisfied with the placement of your circle, release the mouse button to initiate your selection.

Draw a rectangle – This option allows you to create a rectangle section area. Any records within the rectangle will be selected. To create a rectangle, click a point on the map and, while still holding the mouse button, drag your cursor to create a box. When you are satisfied with the placement of your rectangle, release the mouse button to initiate your selection.

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11.4 Search Dialog

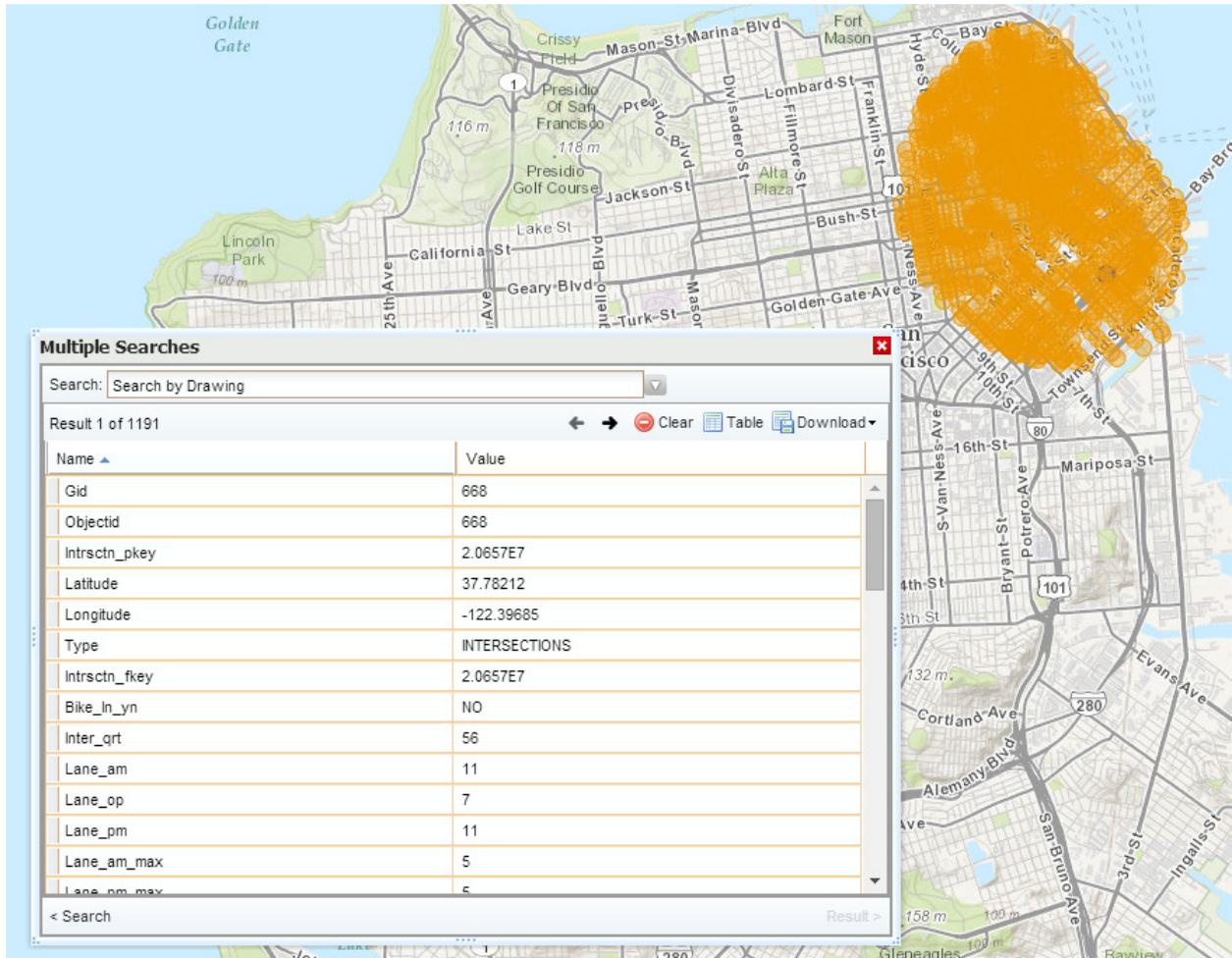
The Search Dialog box (4) will inform you about the status of your query and give you an estimated time that your query has been running. Queries that return a larger number of records will take a longer time to run.

Searching...

11.5 Cancel Button

If for any reason the query is taking too long or you decide you no longer want it to run , you can use the Cancel Button to stop the tool and return to the tool's option parameters.

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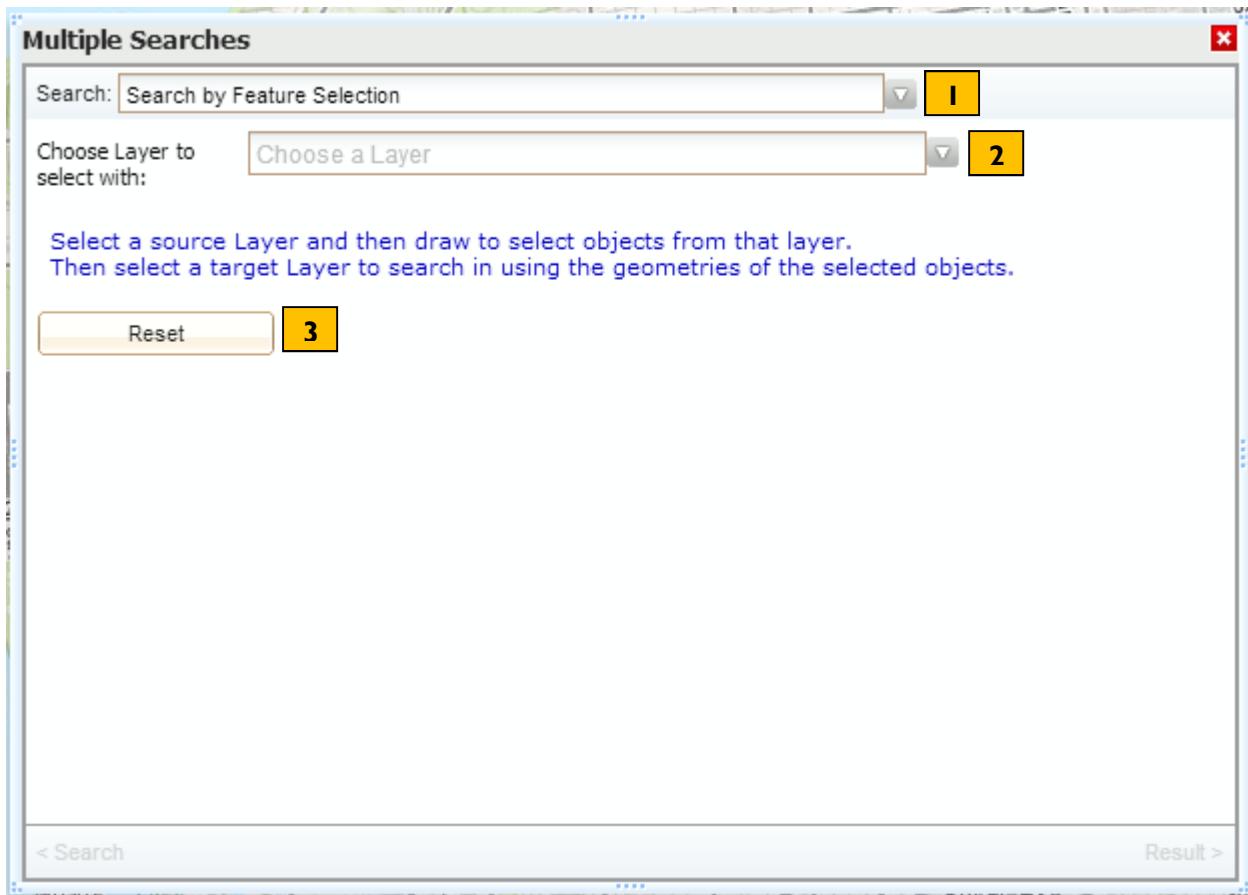
11.6 Results Panel

See Section 13.0 for more options for the Query Results Table. You can move between the Search by Attributes tool options and the Results Panel by using the Results and Search buttons located at the bottom of the window.

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12.0 Search by Feature Selection

The Search by Feature Selection is a query operation that will select features from a given location based on its spatial relationship with another feature. The data layer you want to query from is called the target layer while the layer you want to act as the selector is called the bounding layer.



12.1 Query Dataset Tool Setting

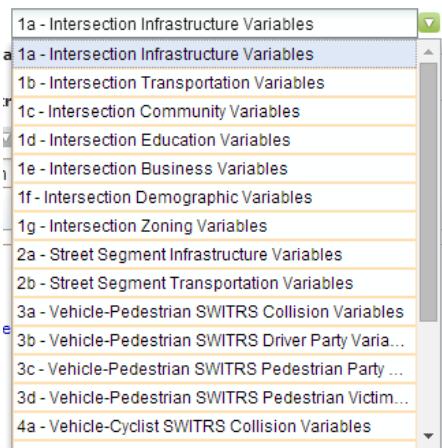
The Query Dataset Tool Setting (1) allows you to switch the type of query you are using. See Section 9.0 for more information about the query types currently available in the query tool.

Search: Search by Drawing

12.2 Data Layer Selection (Bounding Feature)

Clicking on the Data Layer Selection (Bounding Feature) drop down box (2) will allow you to choose which data layer you want to act as your bounding feature. Only records from another layer that spatially coincide with this layer will be selected. The data layers are grouped by theme similar to how they are displayed within the Available Features Panel. For more information about the specific fields in each data layer please see Section 14.0.

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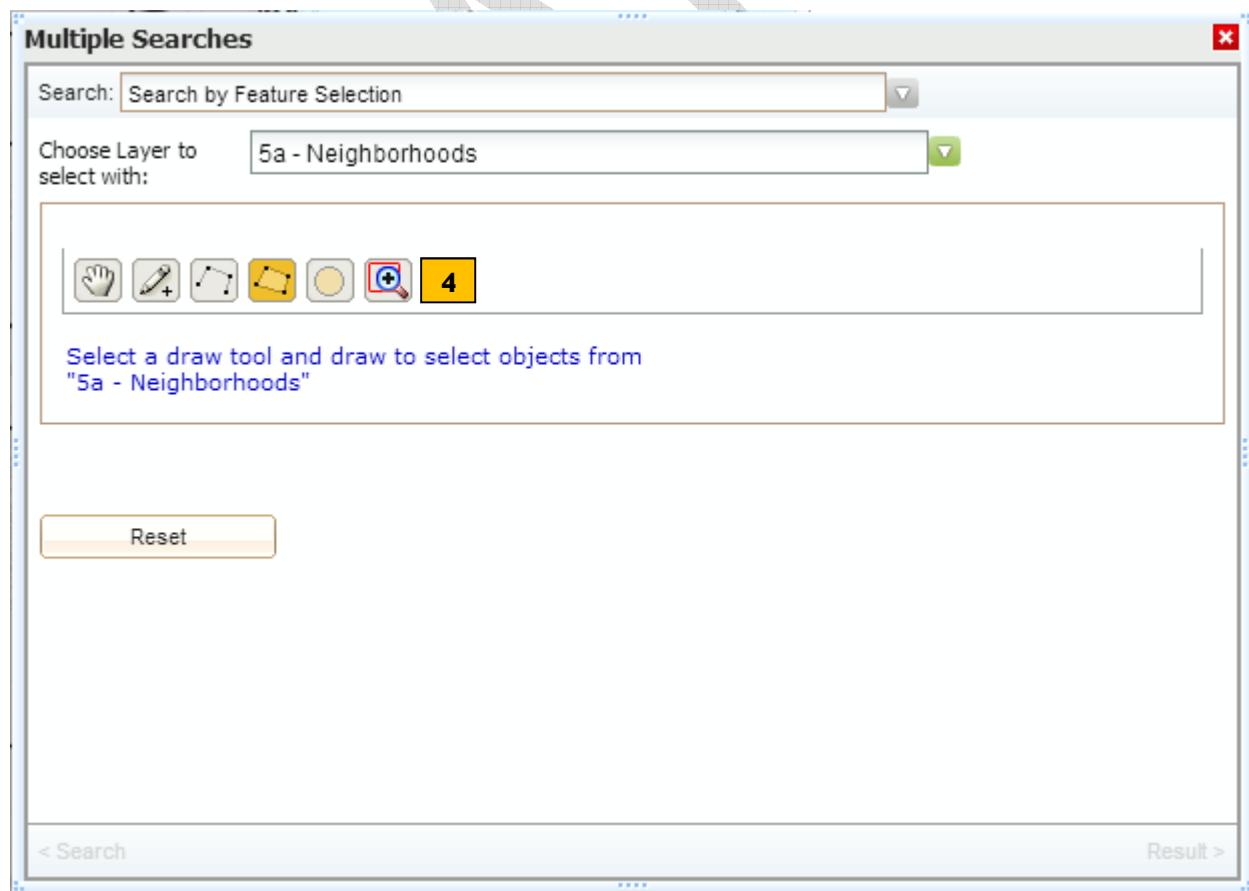


12.3 Reset Button

Clicking the Restart Button (3) will reset the Search by Feature Selection Tool.

12.4 Drawing Selection Tool (Bounding Feature)

After you choose a data layer as your bounding feature you will be presented with the Drawing Selection Tool options (4).



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The Drawing Selection Tool (Bounding Feature) has several options that allow you to choose which areas from your bounding feature to query from. From left to right they are as follows:

Return to map navigation – This option will allow you to pan around the map while the Search by Drawing tool is open.

Draw a point – This option allows you to select records at a specific point on the map. To make a selection, move your mouse cursor over a point on the map and click once.

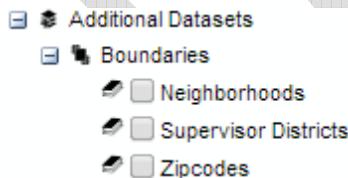
Draw a line – This option allows you to draw a line on the map and select any records that intersect that line. Each click of the mouse will place a vertex for the line. When you are satisfied with your placement of your line, double click to initiate your selection.

Draw a polygon – This option allows you to draw a polygon and select any records within that polygon's area. Each click of the mouse will place a vertex which will make up the polygon. When you are satisfied with the placement of your polygon, double click to initiate your selection.

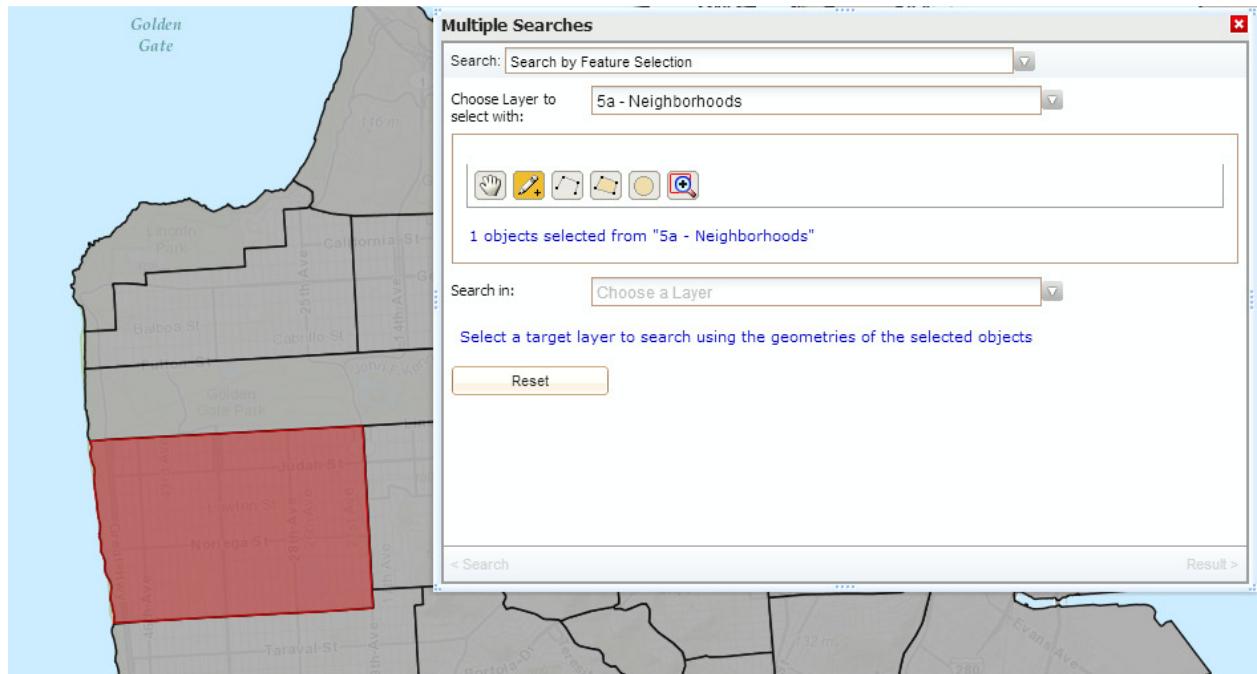
Draw a circle – This option allows you to create a circle and select any records within the circle's area. To create a circle, click a point on the map and, while still holding the mouse button, drag your cursor away from the center of said point. When you are satisfied with the placement of your circle, release the mouse button to initiate your selection.

Draw a rectangle – This option allows you to create a rectangle section area. Any records within the rectangle will be selected. To create a rectangle, click a point on the map and, while still holding the mouse button, drag your cursor to create a box. When you are satisfied with the placement of your rectangle, release the mouse button to initiate your selection.

You must turn on a boundary layer within the Available Features Panel before you select a bounding feature. For example if in the Data Layer Selection you chose 5a – Neighborhoods, you will need to also turn on the Neighborhoods data layer so it is visible in the map.



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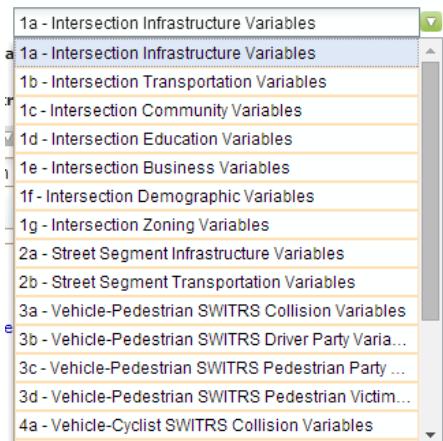
12.5 Data Layer Selection (Target Feature)

Search in: Choose a Layer 5

Select a target layer to search using the geometries of the selected objects

After you select the bounding feature you are interested in, the Data Layer Selection Target Feature (5) drop down box will appear.

The Data Layer Selection (Target Features) allows you to select the data layer you want to query records from that coincide with your selected bounding feature.



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12.6 Type of Search

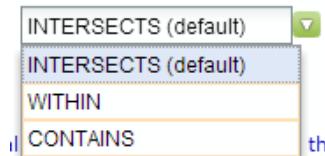
Search in: 1a - Intersection Infrastructure Variables

Type of Search: INTERSECTS (default) **6**

Actions: Cancel Search **7**

Select the spatial operator (optional) and use the Search button to start your search.

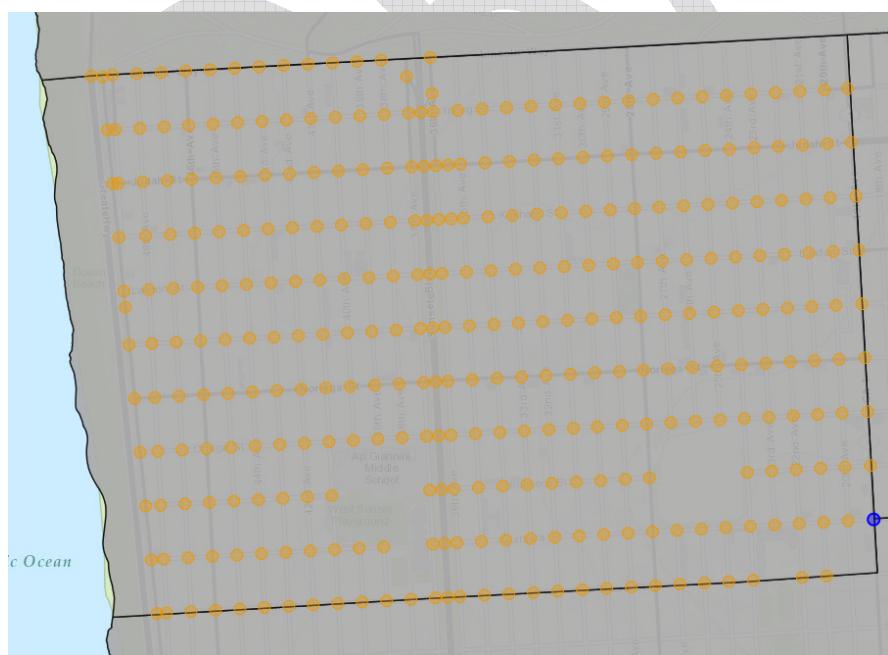
After you chose the Target Feature from which you would like to make a selection the Type of Search (6) drop down box will appear. This box will allow you to specify the type of spatial selection you would like to perform.



Intersection (default) – The query will only return records that are intersect the bounding layer. Records that touch the edge or extend outside of the bounding feature will be returned.

Within – The query will only return records that are completely within the bounding layer. Records that touch the edge of the bounding feature will be returned but not records that extend outside the bounding feature.

Contains – The query will only return records that are completely contained by the bounding layer. Records that touch the edge of the bounding feature will not be returned and records that extend outside the bounding feature will not be returned.



12.7 Search Button

Once your bounding layer, type of selection, and target layer have been set, click the Search Button (8) to run your query. When your query is complete a Query Results Table will appear. See Section 13.0 for more options for the Query Results Table.

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13.0 Query Results Table

The Query Results Table will activate after any of the query tools or the Identification Tool are used. The Query Results Table displays all the attribute records from the data layer you have chosen to query and allows you to download that data in several different formats.

The screenshot shows the 'Multiple Searches' window with the following interface elements:

- Search:** Search by Attributes (text input field)
- Query Type Selection:** A dropdown menu with options 1, 2, 3, 4, 5, 6, 7, 8, 9, and a 'Clear' button.
- Result Count:** Result 1 of 1000 (displayed in bold)
- Navigation:** Left and right arrows, a clear button, and a 'Table' icon.
- Download:** A 'Download' button with a dropdown arrow.
- Table Headers:** Name (sorted ascending) and Value.
- Table Data:** A list of 15 attribute-value pairs:
 - Gid: 2339
 - Objectid: 2966
 - Intrctn_pkey: 2.0092E7
 - Latitude: 37.71841
 - Longitude: -122.38517
 - Type: INTERSECTIONS
 - Intrctn_fkey: 2.0092E7
 - Bike_ln_yn: YES
 - Inter_qrt: 22
 - Lane_am: 5
 - Lane_op: 5
 - Lane_pm: 5
 - Lane_am_max: 3
 - Lane_nm_max: 3
- Search Bar:** < Search (with a dropdown arrow) and a 'Result' button.

13.1 Data Layer Selection

The Query Dataset Tool Setting (1) allows you to switch the type of query you are using. See Section 9.0 for more information about the query types currently available in the query tool.

13.2 Records Selected Indicator

Result 1 of 1000

The Records Selected Indicator shows how many records from your data layer have been selected.

13.3 Previous Record



Clicking the Previous Record button will show the previous record in a data layer's attribute table.

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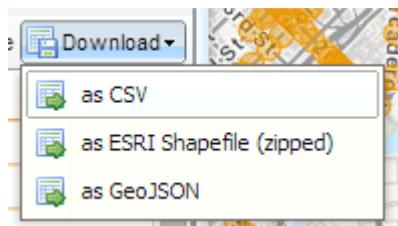
13.4 Next Record



Clicking the Next Record button will show the next record in a data layer's attribute table.

13.5 Download Button

Clicking the Download Button will allow you to download your query results in a variety of formats. This is useful for bringing data from TransBASE out of the web portal and into a different piece of software for further analysis.



CSV is a common, relatively simple file format used primarily to move tabular data between programs that natively operate on incompatible formats. CSV files generated by TransBASE use comma delimited separators to split field information.

ESRI Shapefile (zipped) is a popular geospatial vector, nontopological data format for storing the geometric location and attribute information of geographic features. Shapefiles produced by TransBASE will be projected in EPSG:900913 (also known as EPSG:3857) -- WGS84 Web Mercator (Auxiliary Sphere).

GeoJSON is an open standard format for encoding collections of simple geographical features along with their non-spatial attributes using JavaScript Object Notation. It is typically used in web mapping applications and supported by software libraries such as Leaflet and OpenLayers.

13.6 Clear Button

The Clear Selection Button (6) will clear the Query Results Table. After clearing the table, you can then rerun the Query Datasets Tool.

13.7 Return to Search Button

The Return to Search Button (7) will return you to the query panel you ran previously.

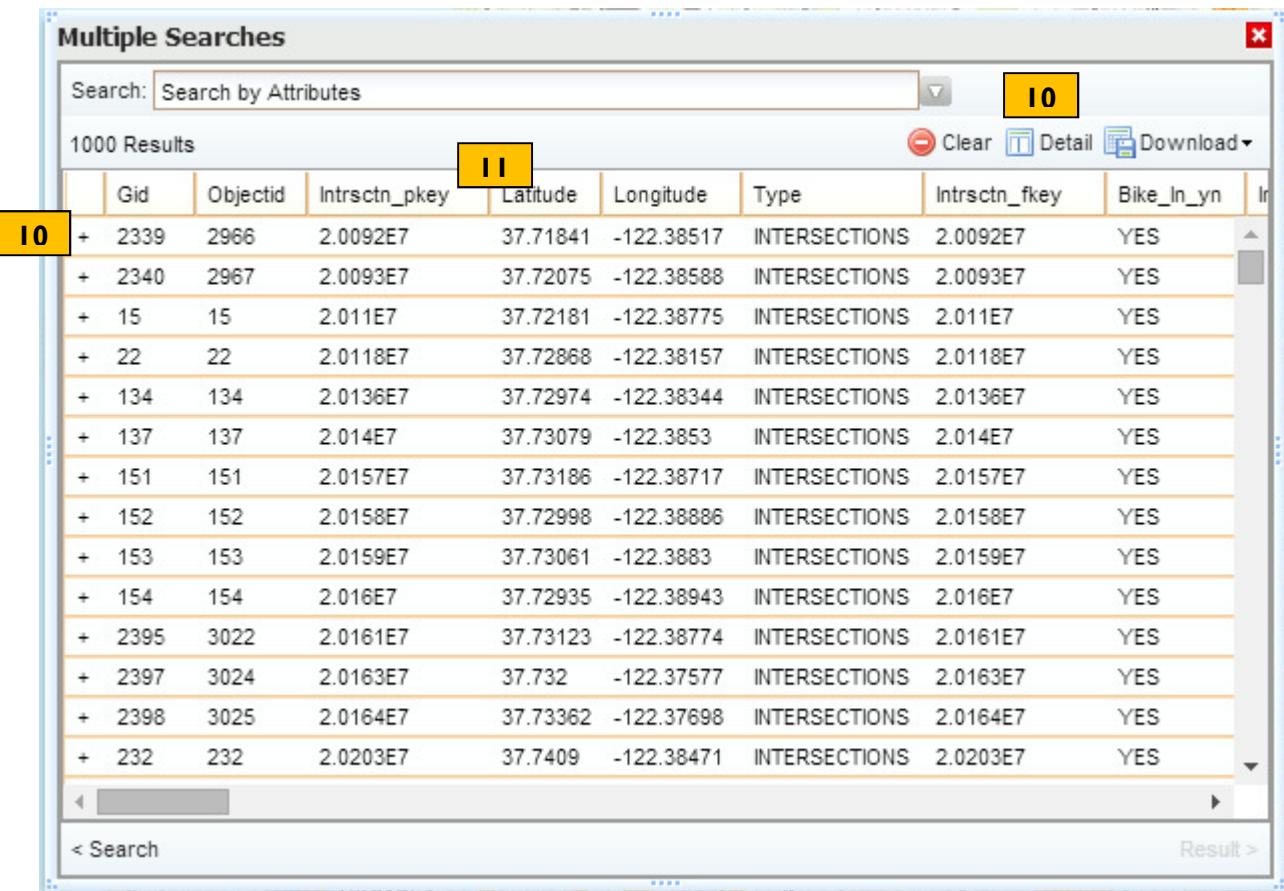
13.8 Return to Results Button

The Return to Results Button (8) will return you to the Query Results Table.

13.9 Switch to Table View Button

By clicking the Table button (9), the attribute table will switch to a horizontal layout with each record selected occupying an individual row within the table. This view is more useful if you have multiple features selected. Each record will be given its own row.

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13.10 Detail View Button

Clicking the Detail View Button (10) will return the Query Results Table to the horizontal layout view. It is also possible to click on the plus sign next to a record in Table View (left side) to open that selected record in the Detail View. This will display a single record within the attribute table of a data layer in a vertical manner. All the attributes for that particular record are displayed in the window which makes the information easier to view.

13.11 Field Options

If you click on a field header (11) the Field Options menu will become available. This menu gives you the ability to sort, add, or remove the attributes returned from your query. It is important to note that changes made in the Field Options menu will not be reflected in any data you download from the Query Results Table.

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Multiple Searches

Search: Search by Drawing

137 Results

Gid	Objectid	Intrsctn_pk
+ 6102	A Z	Sort Ascending
+ 6103	Z A	Sort Descending
+ 6106		
+ 6107		Columns
+ 6110	6110	2.4692E7
+ 6111	6111	2.4693E7
+ 6112		2.4694E7
+ 6113		2.4695E7
+ 6114	6114	2.4696E7
+ 6115	6115	2.4697E7
+ 6116	6116	2.4698E7
+ 6117	6117	2.4699E7
+ 6118	6118	2.47E7
+ 6119	6119	2.4701E7

< Search

12

13

13.12 Sort Buttons

The Sort Buttons (12) give you the option to sort the records in the Query Results Table ascending or descending in order. By placing your mouse over the Columns menu you will be able to access the Field Filter.

13.13 Field Filter

The Field Filter (13) gives you the ability to customize which fields are displayed in the Query Results Table. You can check or uncheck fields to control which ones are active. Please note that disabling fields using the Field Filter will not prevent those fields from being downloaded.

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14.0 Data Dictionary

The following list is a Data Dictionary for TransBASE. It outlines what table each data layer is part, a brief description of the data in that data layer, the field name in the database, and the name of the data layer in the web portal.

14.1 Web Portal Data List

Table Name	Description	Field Name	Web Portal Layer
geo_st_intrsctn			
geo_st_intrsctn	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_pkey	
geo_st_intrsctn	Latitude of intersection point.	latitude	
geo_st_intrsctn	Longitude of intersection point.	longitude	
geo_st_intrsctn	Intersections that are controlled by same control but represented as several intersections in the data.	intrsctn_grp	
geo_st_intrsctn	Intersection node type.	intrsctn_type	
geo_st_sgmt			
geo_st_sgmt	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_sgmt_pkey	
geo_st_sgmt	Street name excluding prefix and suffix.	street_name	
geo_st_sgmt	Street suffix.	street_type	
geo_st_sgmt	SFDPW street classification.	street_layer	
geo_st_sgmt	Full street name including suffix.	full_street_name	
geo_st_sgmt	Class code used for symbolizing.	class_code	
geo_st_sgmt	Street length as measured by ArcGIS.	gis_length_miles	
geo_st_sgmt	Street is represented as a duel carriage way.	duel_car_way_yn	
geo_st_sgmt	Unique ID assigned for each side of a duel carriage way.	duel_car_way_id	
geo_st_sgmt	Street length representing duel carriage ways as one street segment instead of two.	corrected_length	
geo_st_sgmt	Unique intersection ID at start of street segment.	f_node_cnn_intrsctn_fkey	
geo_st_sgmt	Unique intersection ID at end of street segment.	t_node_cnn_intrsctn_fkey	
geo_st_sgmt	Object length created by ArcGIS.	Shape_Length	
tbl_dph_switrs_col_grp			
tbl_dph_switrs_col_grp	Unique ID generated for this table's records.	dph_switrs_grp_pkey	
tbl_dph_switrs_col_grp	Unique ID used in the collision report.	case_id_fkey	
tbl_dph_switrs_col_grp	30 unique combinations of party types involved in each collision.	col_comb	
tbl_dph_switrs_col_grp	12 summarized collision combinations into types.	dph_col_type	
tbl_dph_switrs_col_grp	7 summarized collision types into groups.	dph_col_grp	
tbl_dph_switrs_vltn_def			
tbl_dph_switrs_vltn_def	Unique ID generated for this table's records.	dph_switrs_vltn_pkey	
tbl_dph_switrs_vltn_def	Unique ID used in the collision report.	case_id_fkey	
tbl_dph_switrs_vltn_def	Primary collision factor violation DMV code.	pcfViolation	
tbl_dph_switrs_vltn_def	Subsection of primary collision factor violation DMV code..	pcf_viol_subsection	
tbl_dph_switrs_vltn_def	Combination of primary and subsection PCF.	pcf_viol_comb	
tbl_dph_switrs_vltn_def	PCF violation grouped categories number.	pcf_viol_category	

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tbl_dph_switrs_vltn_def	Definition of PCF violation grouped categories.	pcf_viol_cat_def	
tbl_dph_switrs_vltn_def	DMV definition of PCF code.	dmv_definition	
tbl_dph_switrs_vltn_def	DMV definition grouped into broader categories.	summary	
tbl_dph_switrs_vltn_def	Party at fault in collision based off PCF violation code.	fault	
tbl_gc_switrs_col_ped_05tol1			
tbl_gc_switrs_col_ped_05tol1	Unique ID generated for this table's records. This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	gc_switrs_col_pkey	
tbl_gc_switrs_col_ped_05tol1	Unique ID used in the collision report.	case_id_ckey	
tbl_lkup_st_intrsctn_sgmt			
tbl_lkup_st_intrsctn_sgmt	Unique ID generated for this table's records. This attribute is the same as Centerline Network Number Unique ID (CNN) for street intersections found in other road network feature classes throughout the city.	lkup_intrsctn_cnn_sgmt_pkey	
tbl_lkup_st_intrsctn_sgmt	This attribute is the same as Centerline Network Number Unique ID (CNN) for street segments found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_bsns (Ie - Intersection Business Variables)			
tbl_st_intrsctn_bsns	Unique ID generated for this table's records.	intsctn_bsns_pkey	
tbl_st_intrsctn_bsns	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_bsns	Number of alcohol outlets within a quarter mile of intersection.	alchl_cnt_qrt_mle	Intersection Variables/Businesss/Alcohol Outlets within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest alcohol outlet to intersection.	nr_alchl_ft	Intersection Variables/Businesss/Nearest Alcohol Outlet to Intersection in Feet
tbl_st_intrsctn_bsns	Number of auto repair facilities within quarter mile of intersection.	auto_rpr_cnt_qrt_mle	Intersection Variables/Businesss/Auto Repair Shops within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest auto repair facility to intersection.	nr_auto_rpr_ft	Intersection Variables/Businesss/Nearest Auto Repair Shops to Intersection in Feet
tbl_st_intrsctn_bsns	Number of banks/credit unions within quarter mile of intersection.	banks_cnt_qrt_mle	Intersection Variables/Businesss/Banks within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest bank/credit union to intersection.	nr_banks_ft	Intersection Variables/Businesss/Nearest Bank to Intersection in Feet
tbl_st_intrsctn_bsns	Number of bike shops within quarter mile of intersection.	bike_shp_cnt_qrt_mle	Intersection Variables/Businesss/Bike Shops within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest bike shop to intersection.	nr_bike_shp_ft	Intersection Variables/Businesss/Nearest Bike Shop to Intersection in Feet
tbl_st_intrsctn_bsns	Number of dry cleaners within quarter mile of intersection.	dry_clnr_cnt_qrt_mle	Intersection Variables/Businesss/Dry Cleaners within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest dry cleaner to intersection.	nr_dry_clnr_ft	Intersection Variables/Businesss/Nearest Dry Cleaner to Intersection in Feet
tbl_st_intrsctn_bsns	Number of farmers markets within quarter mile of intersection.	frmrs_cnt_qrt_mle	Intersection Variables/Businesss/Farmers Market within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest farmers market to intersection.	nr_frmrs_ft	Intersection Variables/Businesss/Nearest Farms Market to Intersection in Feet
tbl_st_intrsctn_bsns	Number of gyms within quarter mile of intersection.	gym_cnt_qrt_mle	Intersection Variables/Businesss/Gyms within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest gym to intersection.	nr_gym_ft	Intersection Variables/Businesss/Nearest Gym to Intersection in Feet
tbl_st_intrsctn_bsns	Number of hair salons/barber shops within quarter mile of intersection.	hair_cnt_qrt_mle	Intersection Variables/Businesss/Hair Salon/Barber Shop within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest hair salon/barber shop to intersection.	nr_hair_ft	Intersection Variables/Businesss/Nearest Hair Salon/Barber Shop to Intersection in Feet
tbl_st_intrsctn_bsns	Number of hardware stores within quarter mile of intersection.	hrdware_cnt_qrt_mle	Intersection Variables/Businesss/Hardware Stores within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest hardware store to intersection.	nr_hrdware_ft	Intersection Variables/Businesss/Nearest Hardware Store to Intersection in Feet
tbl_st_intrsctn_bsns	Number of laundry mats within quarter mile of intersection.	lndry_cnt_qrt_mle	Intersection Variables/Businesss/Laundromats within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest laundry mat to intersection.	nr_lndry_ft	Intersection Variables/Businesss/Nearest Laundromat to Intersection in Feet
tbl_st_intrsctn_bsns	Number of produce markets within quarter mile of intersection.	produce_cnt_qrt_mle	Intersection Variables/Businesss/Produce Markets within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest produce market to intersection.	nr_produce_ft	Intersection Variables/Businesss/Nearest Produce Market to Intersection in Feet

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tbl_st_intrsctn_bsns	Number of restaurants within quarter mile of intersection.	restrnt_cnt_qrt_mle	Intersection Variables/Businesss/Restaurants within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest restaurant to intersection.	nr_restrnt_ft	Intersection Variables/Businesss/Nearest Restaurant to Intersection in Feet
tbl_st_intrsctn_bsns	Number of super markets within quarter mile of intersection.	suprmrt_cnt_qrt_mle	Intersection Variables/Businesss/Supermarkets within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest super market to intersection.	nr_supr_ft	Intersection Variables/Businesss/Nearest Supermarket to Intersection in Feet
tbl_st_intrsctn_bsns	Number of video stores/movie theaters within quarter mile of intersection.	video_cnt_qrt_mle	Intersection Variables/Businesss/Video Stores/Theaters within a Quarter Mile Radius
tbl_st_intrsctn_bsns	Distance in feet of nearest video store/movie theater to intersection.	nr_video_ft	Intersection Variables/Businesss/Nearest Video Store/Theater to Intersection in Feet
tbl_st_intrsctn_cmnty (Ic - Intersection Community Variables)			
tbl_st_intrsctn_cmnty	Unique ID generated for this table's records.	intrsctn_cmnty_pkey	
tbl_st_intrsctn_cmnty	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_cmnty	Number of public art displays within quarter mile of intersection.	art_cnt_qrt_mle	Intersection Variables/Community/Count of Art Installations within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest public art to intersection.	nr_art_ft	Intersection Variables/Community/Nearest Art Installation to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of childcare facilities within quarter mile of intersection.	child_care_cnt_qrt_mle	Intersection Variables/Community/Count of Childcare Facilities within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest childcare center to intersection.	nr_child_care_ft	Intersection Variables/Community/Nearest Childcare Facility to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of community centers within quarter mile of intersection.	com_center_cnt_qrt_mle	Intersection Variables/Community/Count of Community Centers within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest community center to intersection.	nr_com_center_ft	Intersection Variables/Community/Nearest Community Center to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of community gardens within quarter mile of intersection.	com_grdn_cnt_qrt_mle	Intersection Variables/Community/Count Community Gardens within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest community garden to intersection.	nr_com_grdn_ft	Intersection Variables/Community/Nearest Community Garden to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of libraries within quarter mile of intersection.	lbry_cnt_qrt_mle	Intersection Variables/Community/Count Libraries within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest library to intersection.	nr_lbry_ft	Intersection Variables/Community/Nearest Library to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of parks within a quarter mile of intersection.	parks_cnt_qrt_mle	Intersection Variables/Community/Count Parks within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest park to intersection.	nr_parks_ft	Intersection Variables/Community/Nearest Park to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of post offices within quarter mile of intersection.	post_off_cnt_qrt_mle	Intersection Variables/Community/Count Post Offices within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of nearest post office to intersection.	nr_post_off_ft	Intersection Variables/Community/Nearest Post Office to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of SROs within quarter mile of intersection.	sro_cnt_qrt_mle	Intersection Variables/Community/Count SROs within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of the nearest SRO to intersection.	nr_sro_ft	Intersection Variables/Community/Nearest SRO to Intersection in Feet
tbl_st_intrsctn_cmnty	Number of senior centers within quarter mile of intersection.	snr_center_cnt_qrt_mle	Intersection Variables/Community/Count Senior Centers within a Quarter Mile Radius
tbl_st_intrsctn_cmnty	Distance in feet of the nearest senior center to intersection.	nr_snr_center_ft	Intersection Variables/Community/Nearest Senior Center to Intersection in Feet
tbl_st_intrsctn_dmgrphc (If - Intersection Demographic Variables)			
tbl_st_intrsctn_dmgrphc	Unique ID generated for this table's records.	intrsctn_dmgrphc_pkey	
tbl_st_intrsctn_dmgrphc	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_dmgrphc	Estimated number of people below 200% of the poverty line within quarter mile of the intersection.	bel_pov_cnt_qrt_mle	Intersection Variables/Demographics/Count of Individuals Below 200% of Poverty Line Within Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Estimated number of people with disabilities within quarter mile of intersection.	dis_den_cnt_qrt_mle	Intersection Variables/Demographics/Count of Individuals with Disabilities Within Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Estimated number of employees within a quarter mile of intersection.	emp_den_cnt_qrt_mle	Intersection Variables/Demographics/Count of Estimated Employees Within a Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Average household income within a quarter mile of intersection.	hh_inc_avg_cnt_qrt_mle	Intersection Variables/Demographics/Average Household Income Within a Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Estimated number of non-English speakers within a quarter mile of intersection.	non_eng_cnt_qrt_mle	Intersection Variables/Demographics/Count of Estimated Non-English Speakers Within a Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Estimated number of people of color within a quarter mile of intersection.	non_wht_cnt_qrt_mle	Intersection Variables/Demographics/Count of Estimated People of Color within a Quarter Mile Radius
tbl_st_intrsctn_dmgrphc	Estimated proportion of people of color living within a quarter mile of intersection.	non_wht_prop_hdmt	Intersection Variables/Demographics/Estimated Proportion of People of Color Within a Quarter Mile Radius

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tbl_st_intrsctn_dmgphc	Percent of population with no vehicle access within a quarter mile of intersection.	no_vehicle_pct_00	Intersection Variables/Demographics/Estimated Proportion of Population with No Vehicle Access Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Proportion of ESRI census tract 2009 ages <13 living within a quarter mile of intersection.	prop_13_cnt_qrt_mle	Intersection Variables/Demographics/Proportion of Ages Less Than 13 Living Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Proportion of ESRI census tract 2009 ages 13-20 living within a quarter mile of intersection.	prop_13_20_cnt_qrt_mle	Intersection Variables/Demographics/Proportion of Ages 13-20 Living Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Proportion of ESRI census tract 2009 ages 21-44 living within a quarter mile of intersection	prop_21_44_cnt_qrt_mle	Intersection Variables/Demographics/Proportion of Ages 21-44 Living Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Proportion of ESRI census tract 2009 ages 45-64 living within a quarter mile of intersection.	prop_45_64_cnt_qrt_mle	Intersection Variables/Demographics/Proportion of Ages 45-64 Living Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Proportion of ESRI census tract 2009 ages 65+ living within a quarter mile of intersection.	prop_65_cnt_qrt_mle	Intersection Variables/Demographics/Proportion of Ages 65+ Living Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Percent of households at below poverty level 2000.	poverty_level_00	Intersection Variables/Demographics/Percent of Household Below Poverty Line Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Estimated residential population within a quarter mile of intersection.	res_pop_cnt_qrt_mle	Intersection Variables/Demographics/Estimated Residential Population Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Estimated number of seniors (65+) within a quarter mile of the intersection.	snr_density_cnt_qrt_mle	
tbl_st_intrsctn_dmgphc	Violent crime within a quarter mile radius of intersection.	vio_crime_cnt_qrt_mle	Intersection Variables/Demographics/Estimated Violent Crime Within a Quarter Mile Radius
tbl_st_intrsctn_dmgphc	Estimated number of youth (<18) within a quarter mile of the intersection.	youth_den_cnt_qrt_mle	Intersection Variables/Demographics/Estimated Youth Less Than 18 Within a Quarter Mile Radius
tbl_st_intrsctn_edctn (Id - Intersection Education Variables)			
tbl_st_intrsctn_edctn	Unique ID generated for this table's records.	intrsctn_edctn_pkey	
tbl_st_intrsctn_edctn	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_edctn	Number of elementary schools within a quarter mile of intersection.	e_schls_cnt_qrt_mle	Intersection Variables/Education/Count Elementary Schools within a Quarter Mile Radius
tbl_st_intrsctn_edctn	Distance in feet of nearest elementary school to intersection.	nr_e_schls_ft	Intersection Variables/Education/Nearest Elementary School to Intersection in Feet
tbl_st_intrsctn_edctn	Number of middle schools within a quarter mile of intersection.	m_schls_cnt_qrt_mle	Intersection Variables/Education/Count Middle Schools within a Quarter Mile Radius
tbl_st_intrsctn_edctn	Distance in feet of nearest middle school to intersection.	nr_m_schls_ft	Intersection Variables/Education/Nearest Middle School to Intersection in Feet
tbl_st_intrsctn_edctn	Number of high schools within a quarter mile of intersection.	h_schls_cnt_qrt_mle	Intersection Variables/Education/Count High Schools within a Quarter Mile Radius
tbl_st_intrsctn_edctn	Distance in feet of nearest high school to intersection.	nr_h_schls_ft	Intersection Variables/Education/Nearest High School to Intersection in Feet
tbl_st_intrsctn_edctn	Number of major universities within a quarter mile of intersection.	univer_cnt_qrt_mle	Intersection Variables/Education/Count Higher Education Facilities within a Quarter Mile Radius
tbl_st_intrsctn_edctn	Distance in feet of nearest major university to intersection.	nr_univer_ft	Intersection Variables/Education/Nearest Higher Education Facility to Intersection in Feet
tbl_st_intrsctn_edctn	Number of Public/Private schools within a quarter mile of intersection.	pu_pr_schls_cnt_qrt_mle	Intersection Variables/Education/Count all Public/Private Schools within a Quarter Mile Radius
tbl_st_intrsctn_edctn	Name of closest Public/Private school to link back to schools shapefile.	nr_pu_pr_schls_ft	Intersection Variables/Education/Nearest Public/Private School to Intersection in Feet
tbl_st_intrsctn_health			
tbl_st_intrsctn_health	Unique ID generated for this table's records.	intrsctn_health_pkey	
tbl_st_intrsctn_health	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_health	Public health clinics within a quarter mile of intersection.	pub_clinic_cnt_qrt_mle	
tbl_st_intrsctn_health	Nearest public health clinic in feet to intersection.	nr_pub_clinic_ft	
tbl_st_intrsctn_health	Pharmacies within a quarter mile of intersection.	phrm_cnt_qrt_mle	
tbl_st_intrsctn_health	Nearest pharmacy in feet to intersection.	nr_phrm_ft	
tbl_st_intrsctn_infrstcr (1a - Intersection Infrastructure Variables)			
tbl_st_intrsctn_infrstcr	Unique ID generated for this table's records.	intrsctn_infrstcr_pkey	
tbl_st_intrsctn_infrstcr	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_infrstcr	Presence of bike lane at intersection (yes/no).	bike_ln_yn	
tbl_st_intrsctn_infrstcr	Number of other intersections within a quarter mile of given intersection.	inter_qrt	
tbl_st_intrsctn_infrstcr	Number of Auto Lanes during AM Peak.	lane_am	

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tbl_st_intrsctn_infrstcr	Number of Auto Lanes during non-peaks.	lane_op	
tbl_st_intrsctn_infrstcr	Number of Auto Lanes during PM Peak.	lane_pm	
tbl_st_intrsctn_infrstcr	Maximum number of Auto Lanes during AM Peak.	lane_am_max	
tbl_st_intrsctn_infrstcr	Maximum number of Auto Lanes during non-peaks.	lan_op_max	
tbl_st_intrsctn_infrstcr	Maximum number of Auto Lanes during PM Peak.	lane_pm_max	
tbl_st_intrsctn_infrstcr	Number of legs at intersection.	leg_cnt	
tbl_st_intrsctn_infrstcr	Presence of a Left Turn Restriction Sign (yes/no).	lft_turn_res_yn	
tbl_st_intrsctn_infrstcr	Number of Muni lines that cross the intersection.	muni_line_cnt	Intersection Variables/Infrastructure/Count of Muni Lines Crossing Intersection
tbl_st_intrsctn_infrstcr	Presence of Muni line at intersection (yes/no).	muni_line_yn	
tbl_st_intrsctn_infrstcr	Number of muni stops within a 100 feet of intersection.	muni_stops_100ft	Intersection Variables/Infrastructure/Count of Muni Stops within 100 Feet
tbl_st_intrsctn_infrstcr	Presence of a one-way street at intersection (yes/no).	one_way_yn	
tbl_st_intrsctn_infrstcr	Number of off-street parking spots on segments at intersection.	pk_off_st_cnt	Intersection Variables/Infrastructure/Count of Off Street Parking Along Segments
tbl_st_intrsctn_infrstcr	Number of on-street parking spots on segments at intersection.	pk_on_st_cnt	Intersection Variables/Infrastructure/Count of On Street Parking Along Segments
tbl_st_intrsctn_infrstcr	Presence of metered on-street parking spots at intersection (yes/no).	pk_metered_yn	
tbl_st_intrsctn_infrstcr	Number of metered on-street parking spots within quarter mile of intersection.	pk_metered_cnt_qrt_mle	
tbl_st_intrsctn_infrstcr	Number of ramps within quarter mile.	ramp_cnt_qrt_mle	
tbl_st_intrsctn_infrstcr	Nearest ramp in feet to intersection.	nr_rmap_ft	
tbl_st_intrsctn_infrstcr	Number of regional bus stops within 100 feet of intersection.	reg_bus_stp_100ft	
tbl_st_intrsctn_infrstcr	Number of regional bus stops within a quarter mile of intersection.	reg_bus_qrt_mle	
tbl_st_intrsctn_infrstcr	Number of regional stations within a quarter mile of intersection.	reg_trnst_cnt_qrt_mle	
tbl_st_intrsctn_infrstcr	Distance in feet of nearest regional transit station to intersection.	nr_reg_trnst_ft	
tbl_st_intrsctn_infrstcr	Signalized intersection (yes/no).	trffic_signal_yn	Intersection Variables/Infrastructure/Intersection Control Device
tbl_st_intrsctn_infrstcr	Presence of Audible (Accessible) pedestrian signal at intersection (yes/no).	signal_aud_yn	Intersection Variables/Infrastructure/Presence of Audible Traffic Signal (ATS)
tbl_st_intrsctn_infrstcr	Presence of pedestrian countdown signal at intersection (yes/no).	signal_ped_yn	
tbl_st_intrsctn_infrstcr	Presence of stop sign at intersection (yes/no).	sign_stop_yn	Intersection Variables/Infrastructure/Intersection Control Device
tbl_st_intrsctn_infrstcr	Intersection is controlled by a stop sign at every segment leg.	all_way_stop_yn	Intersection Variables/Infrastructure/Intersection Control Device
tbl_st_intrsctn_infrstcr	Stop sign only controls one street of the intersection. The other street has no control device.	limited_stop_yn	Intersection Variables/Infrastructure/Intersection Control Device
tbl_st_intrsctn_infrstcr	Maximum slope of a leg at intersection.	slope_max	Intersection Variables/Infrastructure/Maximum Slope Along Segments
tbl_st_intrsctn_infrstcr	Maximum speed limit at intersection.	spd_limit_max	Intersection Variables/Infrastructure/Maximum Speed Limit Along Segments
tbl_st_intrsctn_infrstcr	Maximum street width at intersection.	st_width_max	Intersection Variables/Infrastructure/Count PUC Lights Along Segments
tbl_st_intrsctn_infrstcr	Minimum street width at intersection.	st_width_min	Intersection Variables/Infrastructure/Maximum Street Width at Intersection
tbl_st_intrsctn_infrstcr	Number of trees within a quarter mile of intersection.	trees_cnt_qrt_mle	Intersection Variables/Infrastructure/Count of Trees within Quarter Mile Radius
tbl_st_intrsctn_infrstcr	Number of trees within 50 foot radius of intersection.	trees_50ft_cnt	Intersection Variables/Infrastructure/Count of Trees within 50-foot Radius
tbl_st_intrsctn_infrstcr	Number of trees within 100 foot radius of intersection.	trees_100ft_cnt	Intersection Variables/Infrastructure/Count of Trees within 100-foot Radius
tbl_st_intrsctn_infrstcr	Number of trees within 500 foot radius of intersection.	trees_500ft_cnt	Intersection Variables/Infrastructure/Count of Trees within 500-foot Radius
tbl_st_intrsctn_infrstcr	Presence of Traffic calming features at intersection (yes/no).	traffic_calm_yn	Intersection Variables/Infrastructure/Presence of Traffic Calming Feature
tbl_st_intrsctn_infrstcr	Truck route present at intersection (yes/no).	truck_route_yn	Intersection Variables/Infrastructure/Presence of Truck Route
tbl_st_intrsctn_infrstcr	Presence of Continental Crosswalk (yes/no).	cont_x_walk_yn	Intersection Variables/Infrastructure/Presence of Continental Crosswalk

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tbl_st_intrsctn_infrstcr	Presence of either a mid-block, school, or continental X-walk (yes/no).	high_vis_x_walk_yn	Intersection Variables/Infrastructure/Presence of School Crosswalk
tbl_st_intrsctn_infrstcr	Presence of School Crosswalk (yes/no).	sch_x_walk_yn	
tbl_st_intrsctn_infrstcr	Presence of red light camera at intersection (yes/no).	red_light_cam_yn	
tbl_st_intrsctn_infrstcr	All street segments at intersection are two-way streets.	all_two_way_yn	Intersection Variables/Infrastructure/Intersection Description
tbl_st_intrsctn_infrstcr	All street segments at intersection are one-way streets.	all_one_way_yn	Intersection Variables/Infrastructure/Intersection Description
tbl_st_intrsctn_infrstcr	Street segments at intersection are a mixture of one and two-way streets.	mixed_way_yn	Intersection Variables/Infrastructure/Intersection Description
tbl_st_intrsctn_trnsprtn (1b - Intersection Transportation Variables)			
tbl_st_intrsctn_trnsprtn	Unique ID generated for this table's records..	intrsctn_trnsprtn_pkey	
tbl_st_intrsctn_trnsprtn	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_trnsprtn	Estimated number of daily ridership per quarter mile from the intersection.	daily_ride_qrt	Intersection Variables/Transportation/Daily Transit Riders within Quarter Mile Radius
tbl_st_intrsctn_trnsprtn	Estimated number of daily ridership per eighth mile from the intersection.	daily_ride_egt	Intersection Variables/Transportation/Daily Transit Riders within Eighth Mile Radius
tbl_st_intrsctn_trnsprtn	Model 6 estimated yearly pedestrian volume.	ped_vol_ann	Intersection Variables/Transportation/Annual Pedestrian Traffic Volume
tbl_st_intrsctn_trnsprtn	Model 6 estimated daily pedestrian volume.	ped_vol_24h	Intersection Variables/Transportation/Daily Pedestrian Traffic Volume
tbl_st_intrsctn_xstreets			
tbl_st_intrsctn_xstreets	Unique ID generated for this table's records.	intrsctn_xstreets_pkey	
tbl_st_intrsctn_xstreets	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_xstreets	Name of 1st cross street at intersection.	x_street_1_name	
tbl_st_intrsctn_xstreets	sgmt key of 1st cross street at intersection.	x_street_1_cnn_sgmt_fkey	
tbl_st_intrsctn_xstreets	Name of 2nd cross street at intersection.	x_street_2_name	
tbl_st_intrsctn_xstreets	sgmt key of 2nd cross street at intersection.	x_street_2_cnn_sgmt_fkey	
tbl_st_intrsctn_xstreets	Name of 3rd cross street at intersection.	x_street_3_name	
tbl_st_intrsctn_xstreets	sgmt key of 3rd cross street at intersection.	x_street_3_cnn_sgmt_fkey	
tbl_st_intrsctn_xstreets	Name of 4th cross street at intersection.	x_street_4_name	
tbl_st_intrsctn_xstreets	sgmt key of 4th cross street at intersection.	x_street_4_cnn_sgmt_fkey	
tbl_st_intrsctn_xstreets	Name of 5th cross street at intersection.	x_street_5_name	
tbl_st_intrsctn_xstreets	sgmt key of 5th cross street at intersection.	x_street_5_cnn_sgmt_fkey	
tbl_st_intrsctn_zng (1g - Intersection Zoning Variables)			
tbl_st_intrsctn_zng	Unique ID generated for this table's records.	intrsctn_zng_pkey	
tbl_st_intrsctn_zng	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_zng	Proportion of Industrial PDR zoning within a quarter mile of intersection.	indus	Intersection Variables/Zoning/Proportion of Industrial Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of commercial zoning within a quarter mile of intersection.	com	Intersection Variables/Zoning/Proportion of Commercial Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of mixed use within a quarter mile of intersection.	mixed_use	Intersection Variables/Zoning/Proportion of Mixed Use within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of neighborhood commercial zoning within a quarter mile of intersection.	neigh_com	Intersection Variables/Zoning/Proportion of Neighborhood Commercial Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of residential zoning within a quarter mile of intersection.	resid	Intersection Variables/Zoning/Proportion of Residential Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of residential Mixed Use zoning within a quarter mile of intersection.	res_mu	Intersection Variables/Zoning/Proportion of Residential Mixed Use Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of Redevelopment zoning within a quarter mile of intersection.	redex	Intersection Variables/Zoning/Proportion of Redevelopment Zoning within a Quarter Mile Radius
tbl_st_intrsctn_zng	Proportion of public use zoning within a quarter mile of intersection.	public	Intersection Variables/Zoning/Proportion of Public Use Zoning within a Quarter Mile Radius

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tbl_st_intrsctn_zng	Sum of all zones within a quarter mile of intersection.	sum	
tbl_st_intrsctn_hgh_injry_int			
tbl_st_intrsctn_hgh_injry_int	Unique ID generated for this table's records.	intrsctn_hgh_injry_int_pkey	
tbl_st_intrsctn_hgh_injry_int	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_intrsctn_fkey	
tbl_st_intrsctn_hgh_injry_int	Intersection on a high injury corridor (yes/no).	hic_yn	
tbl_st_intrsctn_hgh_injry_int	Unique ID for each high injury corridor	hic_code	
tbl_st_intrsctn_hgh_injry_int	Total injuries at intersection from 2007-2011.	injury	
tbl_st_intrsctn_hgh_injry_int	Severe/fatal injuries at intersection from 2007-2011.	sf	
tbl_st_intrsctn_hgh_injry_int	Total count of injuries with severe/fatal multiplied by 3.	weight	
tbl_st_intrsctn_hgh_injry_int	Estimated pedestrian volume through intersection in 10 year period.	pedmodel	
tbl_st_intrsctn_hgh_injry_int	Rate of pedestrian injuries per 1 million trips thru intersection.	rate	
tbl_st_intrsctn_hgh_injry_int	High injury/low pedestrian volume intersections.	hipl	
tbl_st_intrsctn_hgh_injry_int	Intersections on high injury corridor with high rate of injuries.	high_injury	
tbl_st_sgmt_hgh_injry_crrdr			
tbl_st_sgmt_hgh_injry_crrdr	Unique ID generated for this table's records.	sgmt_hgh_injry_crrdr_pkey	
tbl_st_sgmt_hgh_injry_crrdr	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_sgmt_fkey	
tbl_st_sgmt_hgh_injry_crrdr	Street segment is a high injury corridor (yes/no).	hic_yn	Street Segment Variables/High Injury Corridors/Pedestrian High Injury Corridors (HICs)
tbl_st_sgmt_hgh_injry_crrdr	Unique ID for each high injury corridor.	hic_code	
tbl_st_sgmt_hgh_injry_crrdr	Name of high injury corridor.	hic_name	
tbl_st_sgmt_infrstcr (2a - Street Segment Infrastructure Variables)			
tbl_st_sgmt_infrstcr	Unique ID generated for this table's records.	sgmt_infrstcr_pkey	
tbl_st_sgmt_infrstcr	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_sgmt_fkey	
tbl_st_sgmt_infrstcr	Presence of bike lane on street segment (yes/no).	bike_ln_yn	Street Segment Variables/Infrastructure/Presence of Bike Lane
tbl_st_sgmt_infrstcr	Number of bulb outs on segment.	bulb_out_cnt	
tbl_st_sgmt_infrstcr	Caltrans street (yes/no).	caltrans_yn	Street Segment Variables/Infrastructure/Caltrans Maintained
tbl_st_sgmt_infrstcr	Number of channelized streets.	channel_cnt	
tbl_st_sgmt_infrstcr	Number of chicanes within quarter mile radius.	chicane_cnt	
tbl_st_sgmt_infrstcr	Number of chokers within quarter mile radius.	choker_cnt	
tbl_st_sgmt_infrstcr	Number of Auto Lanes during AM Peak.	lanes_am	Street Segment Variables/Infrastructure/Number of Lanes AM
tbl_st_sgmt_infrstcr	Number of Auto Lanes during non-peaks.	lanes_op	Street Segment Variables/Infrastructure/Number of Lanes Off-Peak
tbl_st_sgmt_infrstcr	Number of Auto Lanes during PM Peak.	lanes_pm	Street Segment Variables/Infrastructure/Number of Lanes PM
tbl_st_sgmt_infrstcr	Presence of median on street segment.	median_yn	Street Segment Variables/Infrastructure/Presence of Median
tbl_st_sgmt_infrstcr	Presence of Muni line on street segment (yes/no).	muni_line_yn	Street Segment Variables/Infrastructure/Presence of Muni Line
tbl_st_sgmt_infrstcr	Number of muni stops on street segment.	muni_stops_cnt	
tbl_st_sgmt_infrstcr	One-way street (yes/no).	oneway_yn	Street Segment Variables/Infrastructure/Presence of One-way Street
tbl_st_sgmt_infrstcr	Number of off-street parking spots on segments (buffered 70 feet).	pk_off_st_cnt	
tbl_st_sgmt_infrstcr	Number of off-street parking spots on segments (not buffered).	pk_off_st_cnt_c	

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tbl_st_sgmt_infrstcr	Number of on-street parking spots on segments.	pk_on_st_cnt	
tbl_st_sgmt_infrstcr	Number of metered on-street parking spots.	pk_metered_cnt	
tbl_st_sgmt_infrstcr	Presence of metered on-street parking spots.	pk_metered_yn	
tbl_st_sgmt_infrstcr	Number of PUC lights at intersection.	puc_light_cnt	
tbl_st_sgmt_infrstcr	Segment is a ramp (yes/no).	ramp_yn	Street Segment Variables/Infrastructure/Presence of Off/On Ramp
tbl_st_sgmt_infrstcr	Presence of a regional station within a quarter mile of segment.	rgn_trnst_qrt_mle_yn	
tbl_st_sgmt_infrstcr	Slope of street segment (between 0 and 90 degrees).	slope	Street Segment Variables/Infrastructure/Slope of Street
tbl_st_sgmt_infrstcr	Speed limit on street segment.	speed_limit	Street Segment Variables/Infrastructure/Speed Limit
tbl_st_sgmt_infrstcr	Number of speed cushions on street segment.	speed_cush_cnt	
tbl_st_sgmt_infrstcr	Number of speed humps on street segment.	speed_hump_cnt	
tbl_st_sgmt_infrstcr	Number of speed radar signs on street segment.	speed_radar_cnt	
tbl_st_sgmt_infrstcr	Street width (feet).	st_width	
tbl_st_sgmt_infrstcr	Number of traffic circles on street segment.	traffic_cir_cnt	
tbl_st_sgmt_infrstcr	Number of traffic islands on street segment.	traffic_island_cnt	
tbl_st_sgmt_infrstcr	Number of traffic calming features on street segment.	traffic_calm_cnt	
tbl_st_sgmt_infrstcr	Number of trees on street segment.	trees_cnt	
tbl_st_sgmt_infrstcr	Truck route present on street segment (yes/no).	truck_route_yn	Street Segment Variables/Infrastructure/Presence of Truck Route (Segment)
tbl_st_sgmt_infrstcr	Street segment has a midblock cross walk (yes/no).	midblk_crossing_yn	
tbl_st_sgmt_infrstcr	Midblock crosswalk is a continental crosswalk (yes/no).	cont_x_walk_yn	
tbl_st_sgmt_infrstcr	Midblock crossing has a signal (yes/no).	midblk_signal_yn	
tbl_st_sgmt_infrstcr	Type of signal at midblock crossing.	midblk_signal_type	
tbl_st_sgmt_infrstcr	Midblock signal has a audible (Accessible) pedestrian signal (yes/no).	midblk_signal_aud_yn	
tbl_st_sgmt_infrstcr	Midblock signal has a pedestrian countdown timer (yes/no).	midblk_ped_signal_yn	
tbl_st_sgmt_trnsprtn (2b - Street Segment Transportation Variables)			
tbl_st_sgmt_trnsprtn	Unique ID generated for this table's records.	sgmt_trnsprtn_pkey	
tbl_st_sgmt_trnsprtn	This attribute is the same as Centerline Network Number Unique ID (CNN) found in other road network feature classes throughout the city.	cnn_sgmt_fkey	
tbl_st_sgmt_trnsprtn	Estimated number of daily ridership per quarter mile from street segment.	daily_ride_qrt	Street Segment Variables/Transportation/Daily Transit Riders within Quarter Mile Radius (Segment)
tbl_st_sgmt_trnsprtn	Estimated number of daily ridership per eighth mile from street segment.	daily_ride_eight	Street Segment Variables/Transportation/Daily Transit Riders within Eighth Mile Radius
tbl_st_sgmt_trnsprtn	Model 6 estimated daily pedestrian volume on street segment.	ped_vol_24h	Street Segment Variables/Transportation/Estimated 24 Hour Pedestrian Volume
tbl_st_sgmt_trnsprtn	Average speed from speed survey (606 segments).	speed_avg_mta	Street Segment Variables/Transportation/MTA Speed Survey Average Speed
tbl_switrs_col_05to11 (3a - Vehicle-Pedestrian SWITRS Collision Variables/4a - Vehicle Cyclist SWITRS Collision Variables)			
tbl_switrs_col_05to11	Unique ID generated for this table's records.	switrs_col_pkey	
tbl_switrs_col_05to11	Unique ID used in the collision report.	case_id	
tbl_switrs_col_05to11	Collision year.	accident_year	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Year
tbl_switrs_col_05to11	Process date.	proc_date	
tbl_switrs_col_05to11	Jurisdiction.	juris	
tbl_switrs_col_05to11	Collision date.	collision_date	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Month

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tbl_switrs_col_05to11	Collision time.	collision_time	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Time
tbl_switrs_col_05to11	Officer id.	officer_id	
tbl_switrs_col_05to11	Reporting district.	reporting_district	
tbl_switrs_col_05to11	Day of week.	day_of_week	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Day of Week
tbl_switrs_col_05to11	CHP shift.	chp_shift	
tbl_switrs_col_05to11	Population.	population	
tbl_switrs_col_05to11	County city location.	cnty_city_loc	
tbl_switrs_col_05to11	Special condition.	special_cond	
tbl_switrs_col_05to11	Beat type.	beat_type	
tbl_switrs_col_05to11	CHP beat type.	chp_beat_type	
tbl_switrs_col_05to11	City division LAPD.	city_division_lapd	
tbl_switrs_col_05to11	CHP beat class.	chp_beat_class	
tbl_switrs_col_05to11	Beat number.	beat_number	
tbl_switrs_col_05to11	Primary rd.	primary_rd	
tbl_switrs_col_05to11	Secondary rd.	secondary_rd	
tbl_switrs_col_05to11	Distance.	distance	
tbl_switrs_col_05to11	Direction.	direction	
tbl_switrs_col_05to11	Intersection.	intersection	
tbl_switrs_col_05to11	Weather 1.	weather_1	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Weather
tbl_switrs_col_05to11	Weather 2.	weather_2	
tbl_switrs_col_05to11	State highway indicator.	state_hwy_ind	
tbl_switrs_col_05to11	Caltrans county.	caltrans_county	
tbl_switrs_col_05to11	Caltrans district.	caltrans_district	
tbl_switrs_col_05to11	State route.	state_route	
tbl_switrs_col_05to11	Route suffix.	route_suffix	
tbl_switrs_col_05to11	Post mile prefix.	postmile_prefix	
tbl_switrs_col_05to11	Post mile.	postmile	
tbl_switrs_col_05to11	Location type.	location_type	
tbl_switrs_col_05to11	Ramp intersection.	ramp_intersection	
tbl_switrs_col_05to11	Side of highway.	side_of_hwy	
tbl_switrs_col_05to11	Tow away.	tow_away	
tbl_switrs_col_05to11	Collision severity.	collision_severity	
tbl_switrs_col_05to11	Killed victims.	number_killed	
tbl_switrs_col_05to11	Injured victims.	number_injured	
tbl_switrs_col_05to11	Party count.	party_count	
tbl_switrs_col_05to11	Primary collision factor.	primary_coll_factor	
tbl_switrs_col_05to11	PCF violation code.	pcf_code_of_viol	
tbl_switrs_col_05to11	PCF violation category.	pcf_viol_category	{Collision Type} SWITRS Variables (2005-2011)/Collisions/PCF Violation Category

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tbl_switrs_col_05to11	PCF violation.	pcfViolation	
tbl_switrs_col_05to11	PCF violation subsection.	pcfViolSubsection	
tbl_switrs_col_05to11	Hit and run.	hitAndRun	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Hit and Run
tbl_switrs_col_05to11	Type of collision.	typeOfCollision	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Type of Collision
tbl_switrs_col_05to11	Motor vehicle involved with.	mviw	
tbl_switrs_col_05to11	Ped action.	pedAction	
tbl_switrs_col_05to11	Road surface.	roadSurface	
tbl_switrs_col_05to11	Road condition 1.	roadCond1	
tbl_switrs_col_05to11	Road condition 2.	roadCond2	
tbl_switrs_col_05to11	Lighting.	lighting	
tbl_switrs_col_05to11	Control device.	controlDevice	
tbl_switrs_col_05to11	CHP road type.	chpRoadType	
tbl_switrs_col_05to11	Pedestrian collision.	pedestrianAccident	
tbl_switrs_col_05to11	Bicycle collision.	bicycleAccident	
tbl_switrs_col_05to11	Motorcycle collision.	motorcycleAccident	
tbl_switrs_col_05to11	Truck collision.	truckAccident	
tbl_switrs_col_05to11	Not private property.	notPrivateProperty	
tbl_switrs_col_05to11	Alcohol involved.	alcoholInvolved	{Collision Type} SWITRS Variables (2005-2011)/Collisions/Alcohol Involved
tbl_switrs_col_05to11	Statewide vehicle type at fault.	stwdVehtypeAtFault	
tbl_switrs_col_05to11	CHP vehicle type at fault.	chpVehtypeAtFault	
tbl_switrs_col_05to11	Severe injury count.	countSevereInj	
tbl_switrs_col_05to11	Other visible injury count.	countVisibleInj	
tbl_switrs_col_05to11	Complaint of pain injury count.	countComplaintPain	
tbl_switrs_col_05to11	Pedestrian killed count.	countPedKilled	
tbl_switrs_col_05to11	Pedestrian injured count.	countPedInjured	
tbl_switrs_col_05to11	Bicyclist killed count.	countBicyclistKilled	
tbl_switrs_col_05to11	Bicyclist injured count.	countBicyclistInjured	
tbl_switrs_col_05to11	Motorcyclist killed count.	countMcKilled	
tbl_switrs_col_05to11	Motorcyclist injured count.	countMcInjured	
tbl_switrs_col_05to11	Primary ramp.	primaryRamp	
tbl_switrs_col_05to11	Secondary ramp.	secondaryRamp	
tbl_switrs_col_05to11	WGS 84 latitude.	latitude	
tbl_switrs_col_05to11	WGS 84 longitude.	longitude	
tbl_switrs_prtv_05to11 (3b - Vehicle-Pedestrian SWITRS Driver Party Variables/3c - Vehicle-Pedestrian SWITRS Pedestrian Party Variables/4b - Vehicle-Cyclist SWITRS Driver Party Variables/4c - Vehicle-Cyclist SWITRS Cyclist Party Variables)			
tbl_switrs_prtv_05to11	Unique ID generated for this table's records.	switrsPrtvPkey	
tbl_switrs_prtv_05to11	Unique ID used in the collision report.	caseId	
tbl_switrs_prtv_05to11	Unique ID used in combination with case_id to identify party.	partyNumber	
tbl_switrs_prtv_05to11	Party type.	partyType	

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tbl_switrs_prty_05to11	At fault.	at_fault	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/At Fault
tbl_switrs_prty_05to11	Party sex.	party_sex	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Gender
tbl_switrs_prty_05to11	Party age.	party_age	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Age
tbl_switrs_prty_05to11	Party sobriety.	party_sobriety	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Sobriety
tbl_switrs_prty_05to11	Party drug physical.	party_drug_physical	
tbl_switrs_prty_05to11	Direction of travel.	dir_of_travel	
tbl_switrs_prty_05to11	Party safety equipment 1.	party_safety_equip_1	
tbl_switrs_prty_05to11	Party safety equipment 2.	party_safety_equip_2	
tbl_switrs_prty_05to11	Financial responsibility.	finan_respons	
tbl_switrs_prty_05to11	Special information 1.	sp_info_1	
tbl_switrs_prty_05to11	Special information 2.	sp_info_2	
tbl_switrs_prty_05to11	Special information.	sp_info_3	
tbl_switrs_prty_05to11	Oaf violation code.	oafViolation_code	
tbl_switrs_prty_05to11	Oaf violation category.	oaf_viol_cat	
tbl_switrs_prty_05to11	Oaf violation section.	oaf_viol_section	
tbl_switrs_prty_05to11	Oaf violation suffix.	oaf_violation_suffix	
tbl_switrs_prty_05to11	Other associated factor 1.	oaf_1	
tbl_switrs_prty_05to11	Other associated factor 2.	oaf_2	
tbl_switrs_prty_05to11	Party number killed.	party_number_killed	
tbl_switrs_prty_05to11	Party number injured.	party_number_injured	
tbl_switrs_prty_05to11	Movement preceding collision.	move_pre_acc	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Movement Preceding Collision
tbl_switrs_prty_05to11	Vehicle year.	vehicle_year	
tbl_switrs_prty_05to11	Vehicle make.	vehicle_make	
tbl_switrs_prty_05to11	Statewide vehicle type.	stwd_vehicle_type	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Statewide Vehicle Type
tbl_switrs_prty_05to11	CHP vehicle type towing.	chp_veh_type_towing	
tbl_switrs_prty_05to11	CHP vehicle type towed.	chp_veh_type_towed	
tbl_switrs_prty_05to11	Party race.	race	{Collision Type} SWITRS Variables (2005-2011)/Parties/{Party Type}/Race
tbl_switrs_prty_05to11	Inattention.	inattention	
tbl_switrs_prty_05to11	Special information f.	special_info_f	
tbl_switrs_prty_05to11	Special information g.	special_info_g	

tbl_switrs_vctm_05to11 (3d - Vehicle-Pedestrian SWITRS Pedestrian Victim Variables/ 4d - Cyclist-Pedestrian SWITRS Cyclist Victim Variables)

tbl_switrs_vctm_05to11	Unique ID generated for this table's records.	switrs_vctm_pkey	
tbl_switrs_vctm_05to11	Unique ID used in the collision report.	case_id	
tbl_switrs_vctm_05to11	Party number of victim.	party_number	
tbl_switrs_vctm_05to11	Victim role.	victim_role	
tbl_switrs_vctm_05to11	Victim sex.	victim_sex	{Collision Type} SWITRS Variables (2005-2011)/{Victim Type} Victims/Sex
tbl_switrs_vctm_05to11	Victim age.	victim_age	{Collision Type} SWITRS Variables (2005-2011)/{Victim Type} Victims/Age
tbl_switrs_vctm_05to11	Victim degree of injury.	victim_degree_of_injury	{Collision Type} SWITRS Variables (2005-2011)/{Victim Type} Victims/Degree of Injury

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tbl_switrs_vctm_05to11	Victim seating position.	victim_seating_position	
tbl_switrs_vctm_05to11	Victim safety equipment 1.	victim_safety_equip_1	
tbl_switrs_vctm_05to11	Victim safety equipment 2.	victim_safety_equip_2	
tbl_switrs_vctm_05to11	Victim ejected.	victim_ejected	

