

## Users Guide of Annual Traffic Census Interactive Website

### **Background of Annual Traffic Census**

The Annual Traffic Census (ATC) report provides comprehensive vehicle flow information for most of the roads in the Hong Kong Special Administrative Region (HKSAR). The vehicle flow data are systematically collected by the automatic vehicle counting systems installed at the designated traffic counting stations in the road network whereas Vehicle Classification and Occupancy (VCO) information is obtained from roadside surveys conducted manually at the designated traffic counting stations. Data collection commences in the beginning of every year and upon completion of collection of all necessary data for the whole territory at the end of a year, statistical analyses of the data will be carried out to obtain the Annual Average Daily Traffic (AADT) flow volumes at individual Traffic Counting Stations.

### **Counting Stations**

Counting stations have been classified into “core” and “coverage” with a different extent of data being collected for each type. Data collected at the core stations, besides being used for constructing scaling factors, provide the hourly, daily and monthly variations, whereas the coverage stations would normally furnish only short- period traffic counts. However, for those coverage stations falling on cordons or screenlines\*, in view of their importance, more traffic flow data giving patterns of hourly and daily variations are collected. The three types of counting stations are summarized below. The week or day selected for traffic counting is a “normal” one excluding Public Holidays and avoiding adverse weather conditions as far as possible.

<b>Type of Station</b>	<b>Duration of Measurement in a year</b>	<b>Data Obtained</b>
Core (A)	1 week in each month	Daily & hourly directional flows
Coverage (B) at Cordon/ Screenline*	1 week	Daily & hourly directional flows
Coverage (C) not at Cordon/ Screenline*	1 weekday	Daily non-directional flows

\* Cordons / screenlines are imaginary lines which divide the study area into parts to facilitate the modelling of transport.

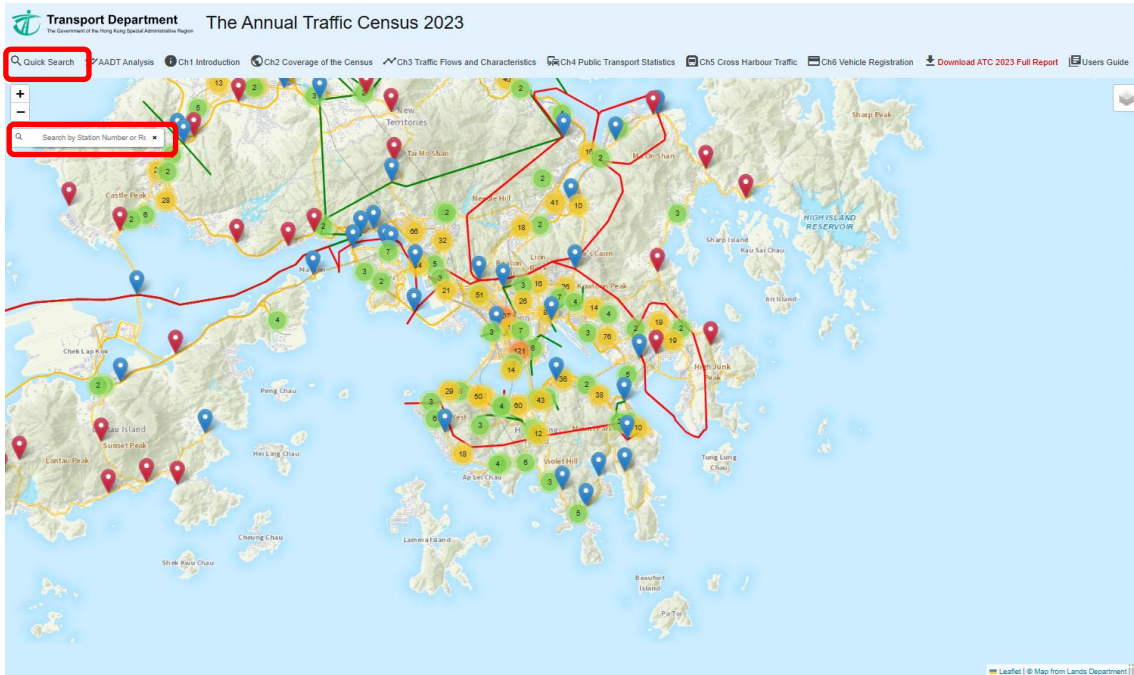
## Guideline in using the ATC Interactive Website

The Website provides users with a map-based graphical interface for retrieving the information contained in the ATC Report 2023, as well as some analytic functions on the traffic data.

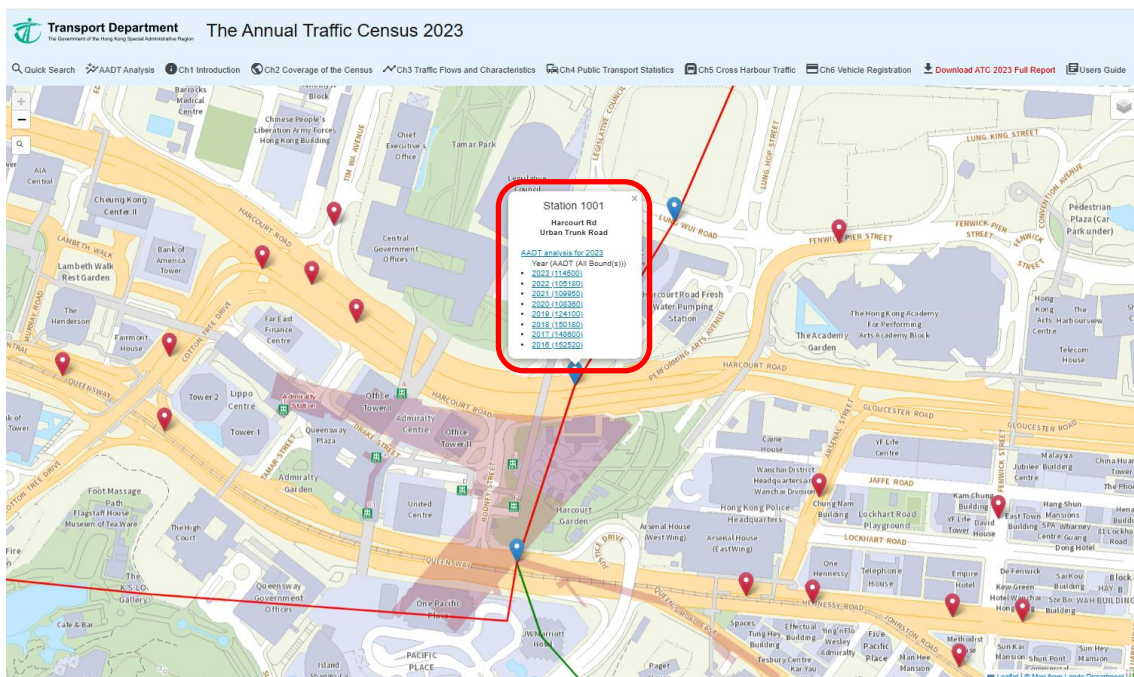
### Quick Search



In the “Quick Search” page, it provides the following functions to facilitate finding out the AADT and VCO information of a particular survey station/screenline.

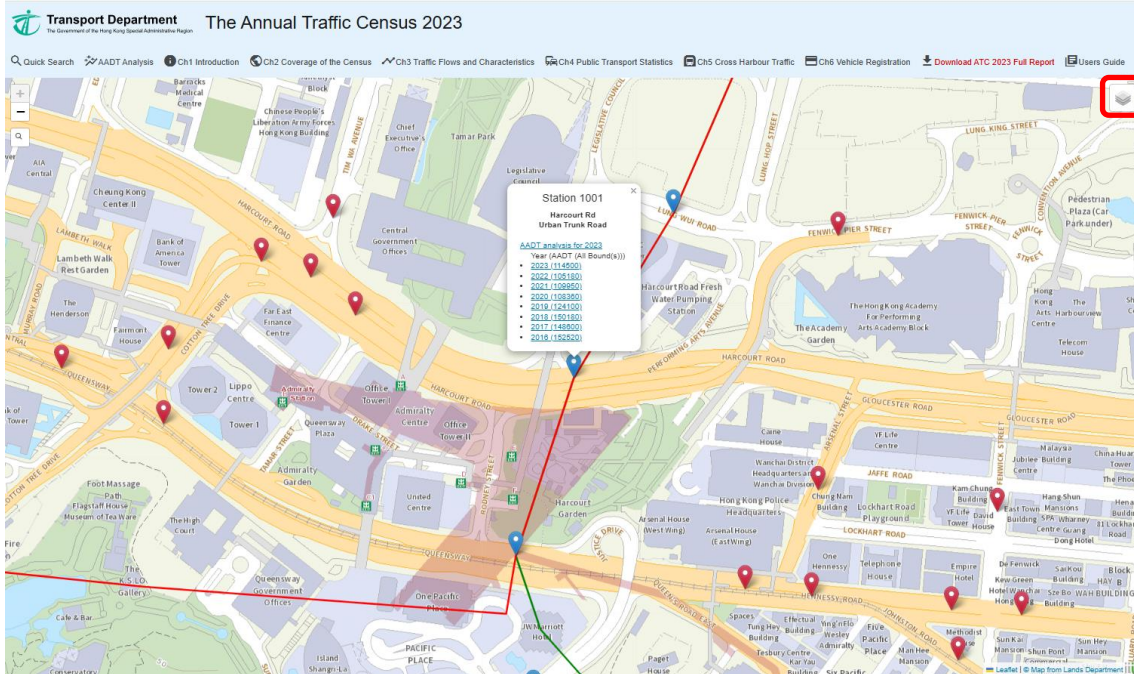
(a) enter the name of the road or station number in the selection box.



The AADT of the road over the years, traffic data sheets and the AADT analysis (for Core A and Coverage B Stations) could be quickly provided.

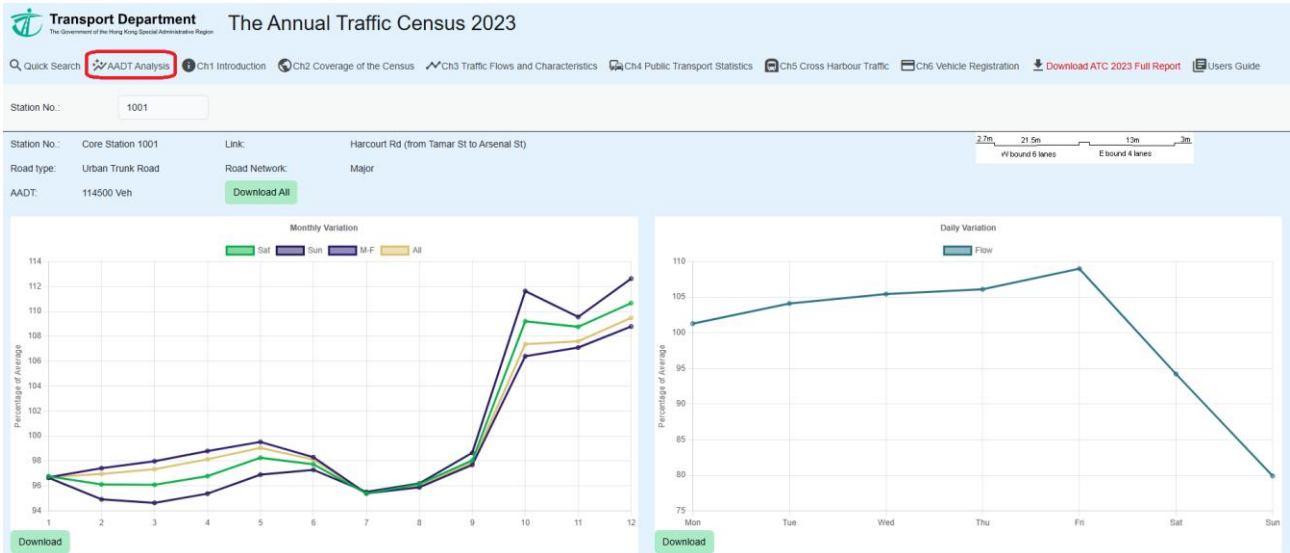


(b) users could zoom in to the road concerned and click the icon of the station  to get the AADT information directly or use the filter function at the top left corner  to choose the target type of station before zooming in.



### AADT Analysis

The AADT analysis could also be accessed via. the “AADT Analysis” page by entering the station number.





## Further Information

For further information on the ATC, please refer to the Full Report which could be downloaded in the ATC Interactive Website.

