Traffic Data User Group

Instructions to Retrieve CDOT Traffic Data from MS2’s Transportation Data Management System

These instructions are meant to provide details of how to retrieve the most common requested CDOT collected traffic data through MS2’s Transportation Data Management System website. The instructions will guide you in how to retrieve different types of counts including: volume, classification, hourly, historical, and those meeting provided criteria under the advanced search tab.

Website:  http://cdot.ms2soft.com/
Volume Data

The home page is shown below. Under the quick search you may search by county, city, roadway, station ID, and count year. This guide will use the example below to guide you through the website.

*Example - Search by county: Alamosa*
When performing a quick search, you will be directed to the records page. All sites within Alamosa County will populate on the records page. Alamosa has 79 count sites. You can use the arrows to sort through all Alamosa County sites. The first returned site is Location ID 000238.

**What’s visible for Station Information:**
- Location ID
- Located On (Site Description)
- Functional Class
- Route

**Useful Items on page (related to picture below):**
- Locate Button (1) – locates the one site on map
- Auto-locate (2) – always locates sites on map
- Arrows (3) – Sort through all returned records
- More Detail (4) – shows more station information such as GPS coordinates.
Scrolling down on the same records page you will see the collected data for that site. Under the following headers you will find the appropriate data.

**Station Data** header - you can review data by directions: 2-way, NB/EB, or SB/WB. If you select one of these, the data below and hourly data will populate accordingly to the direction.

**AADT** header – AADT for each year

**Volume Count** header – Count by day, and total count for that day

**Volume Trend** header – Annual growth by year

**Classification** header – Class data by day and total for day
To view hourly data you must click on the “eye” icon (5).

If you click on the eye icon under the volume count header you will be directed to the hourly volume count report page where you can see hourly data and you can page through all historical hourly volume data by day. This will not let you see classification data.

If you click on the eye icon under the classification you will be directed to the hourly classification count report page where you can see hourly classification data and be able to page through all historical classification data by day.
On the Volume Count Report page you will find the hourly data associated to the day on which you clicked the eye icon.

The count navigation buttons (6) allow you to page through all other days.

You may also view hourly data by lane using the directional buttons (7).

Below the directions buttons are useful reports, graphs and charts. You may explore these and determine if they are useful for you. The best reports seem to be the weekly report and hourly volume by lane.

You have the option of the ‘View in Excel’ file which will export the data to a file from the Volume Count Report page into an Excel file exactly. You also have the option to cut and paste the data on this page into an Excel file which is helpful especially if you are looking at multiple days of data.
Classification Data

Class data viewing and reports are similar to volume data but with class data, of course. First, click on the eye icon under the Classification header. Again all this information is for the example of Location ID 000238 in Alamosa County.
The Classification Report page looks like this:
Advanced Search

The advanced search allows you to set certain criteria to search for data.

**Popular search categories:**

- **District (CDOT Regions)**
- **County** (type county name, don’t use drop down)
- **Community** (cities and towns)
- **Route**
- **Perm Station?**
- **Fnct’l Class (Functional Class)**
- **Volume**
- **Count Date**

You will be able to search for counts that meet the criteria similar to this example:

*Counts in Fort Morgan on principal arterials in year 2015.*

OR

*Counts in Region 5, on US Highway 160 with volumes over 10,000.*
Mapping Features

The map contains several features that may help you with your searches. These will help show features such as counties, CDOT regions, Location IDs, and search by polygon.

On the top right of the map are the tools to add features to the map.

Under the General Tool, you will be able to add data layers such as county lines, functional class, and city boundaries. If checked, these will remain on during your searches.

Under the TCDS Tool you can toggle on/off the Short Duration Count sites, WIM sites or Permanent counter sites as well as show Location IDs. Under this tool you will also be able to perform a ‘Search by Polygon’.

To use the Search by Polygon, zoom into the area you are interested in the map, under the TCDS tool click on the blue square next to select by polygon, then create a polygon around the mapped sites. When the polygon is complete the build search page will appear, this may take a couple seconds. You may use the search fields if you are looking for something in particular. If you just want the data, click on search leaving the search fields empty.
If you have any questions about accessing data or any other request please contact Miguel Aguilar. We hope this helped you with accessing CDOTs traffic count database.

Contact Information

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