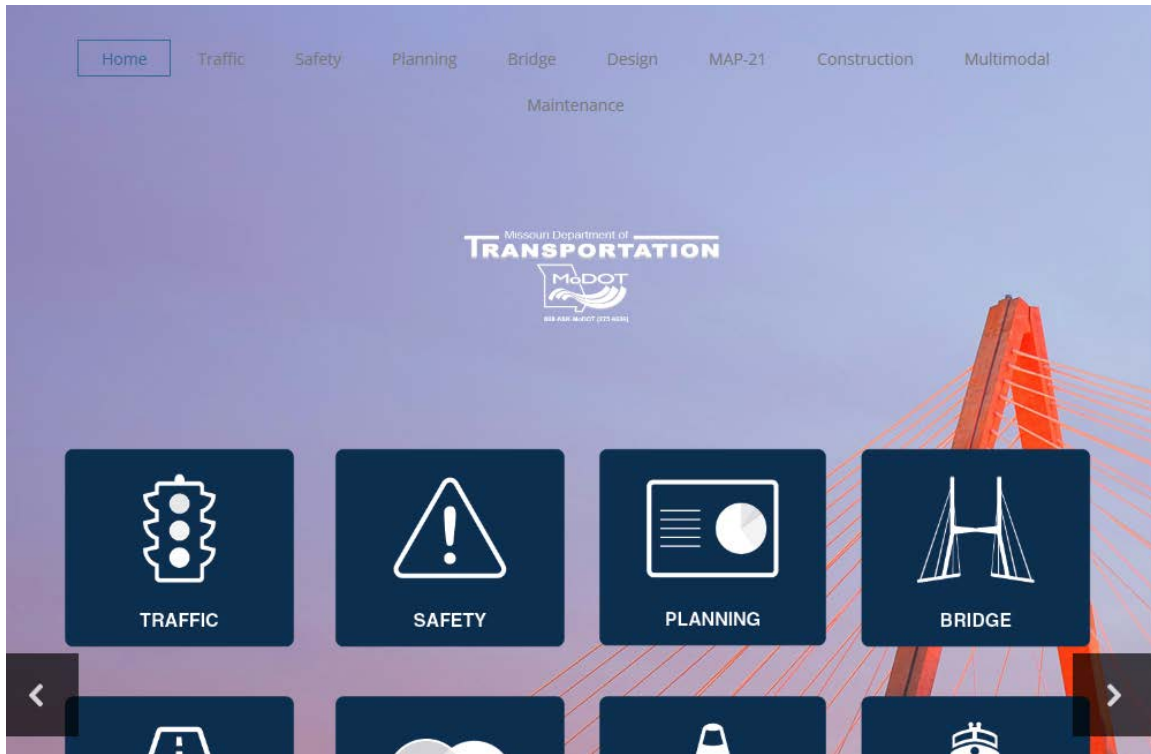
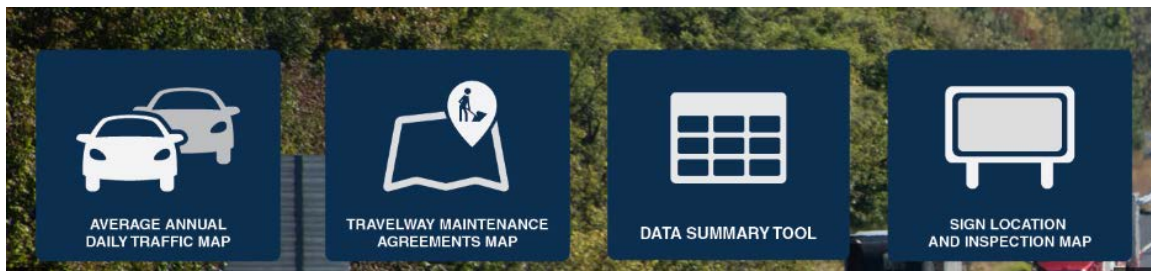


# MoDOT DataZone Help Guide

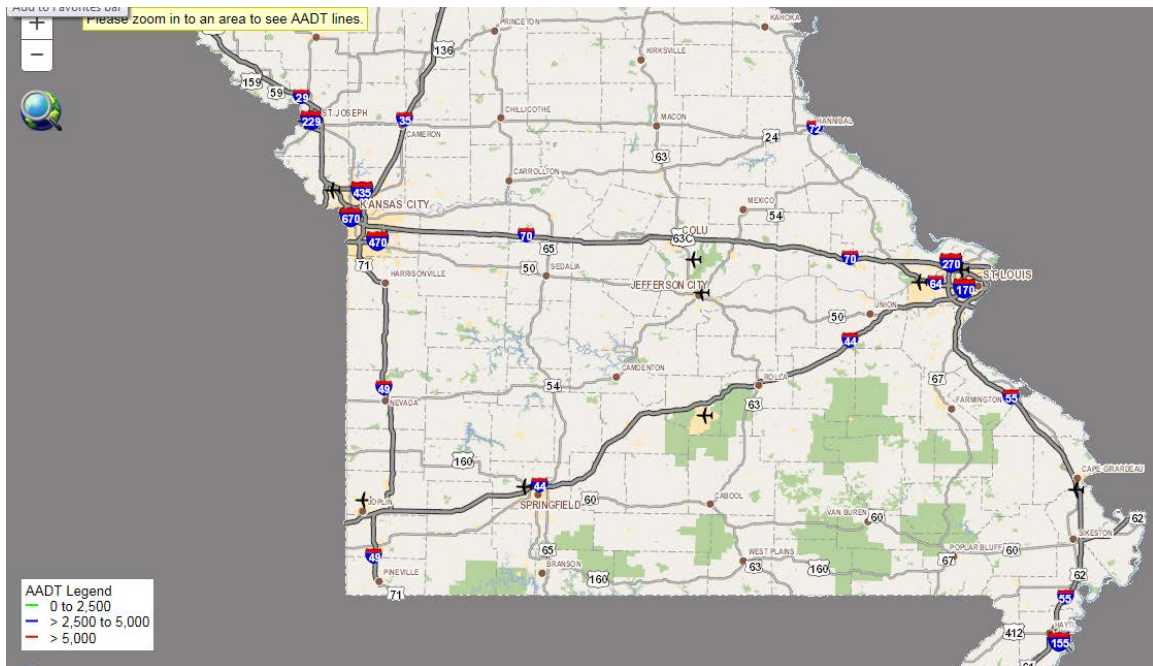
*Note: At this time, the only page that is functional is the Traffic page.*



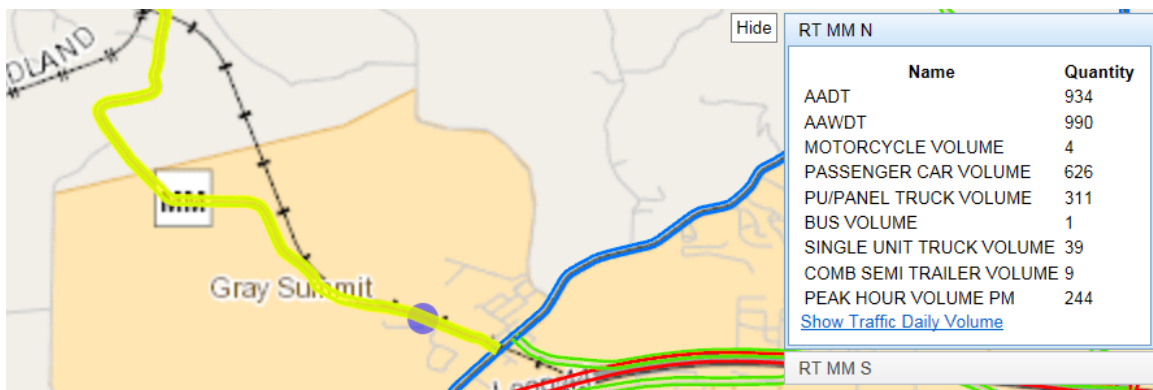
The Traffic page has three maps and a data summary tool available for use.



The three maps function in a similar manner. Click on the AADT map to open it. (See AADT map example below).

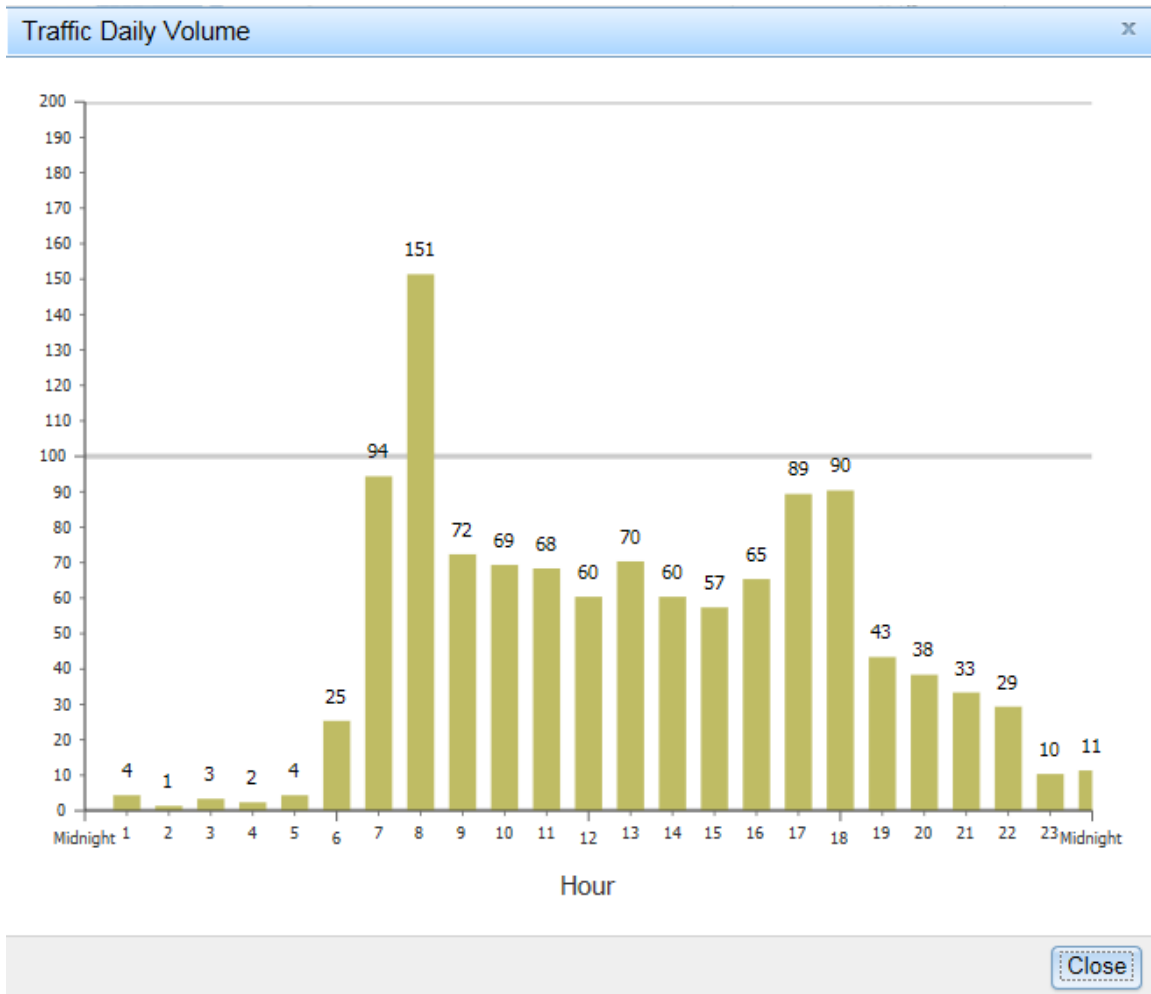


As indicated at the top left, you will need to zoom in before data will be displayed. Once you have zoomed in, you can click on a location that has data and the following information will display:



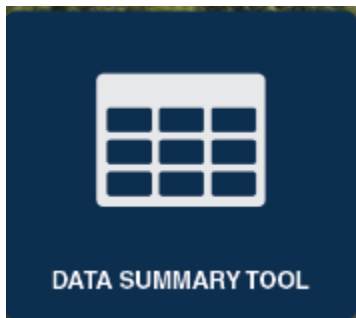
If you click on the route listed at the bottom (Route MM S), the traffic data for that direction will display.

If you click on the “Show Traffic Daily Volumes” link, you will see a graph of the daily volumes for the location clicked.



The Travelway Maintenance Agreement Map and the Sign Inspection Location Map function in the same manner as the AADT Map. The Travelway Maintenance Agreement Map will allow you to view a maintenance agreement document if it exists for the location selected.

# Data Summary Tool Help Guide and Definitions



Data Summary Tool - TRAFFIC Navigation ▾

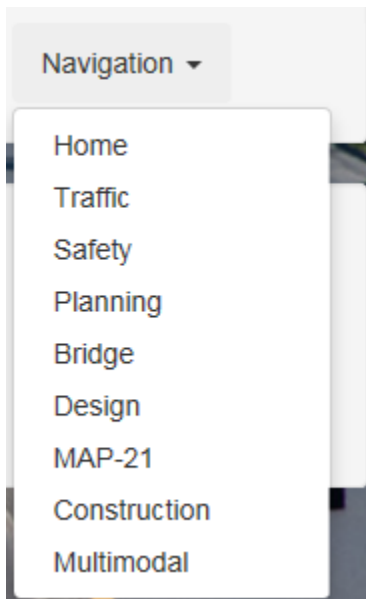
Following is a list of pre-defined grids that you can view:

- [Official Miles](#)
- [Signs](#)
- [Traffic Fixtures](#)

Following is a list your saved grids:

You have no saved grids.

Once the Data Summary Tool is Open use the Navigation menu to visit any of the pages listed in the drop down or return to the homepage.



Click on "Official Miles".

When first opened, the data grid will display in four sections which include **"Filter Area"**, **"Row Area"**, **"Column Area"**, and **"Data Area"**. You can click and drag field names to the various sections to perform data queries. The query displayed below will display Official VMT by State System Class by District.

Official Miles Navigation ▾

My Layouts Save Layout Export to Excel Summary Type Sum ▾

---

**Filter Area**

- NUMBER\_OF\_LANES ▾
- LANE\_MILES ▾
- CENTERLINE ▾
- RAMP\_LANEMILES ▾
- MAJOR\_MINOR ▾

**Column Area**

STATE\_SYSTEM\_CLASS ▾

**Row Area**

DISTRICT\_ABBR ▾

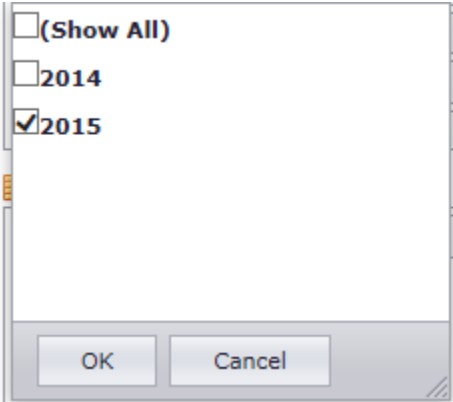
**Data Area**


OFFICIAL\_VMT

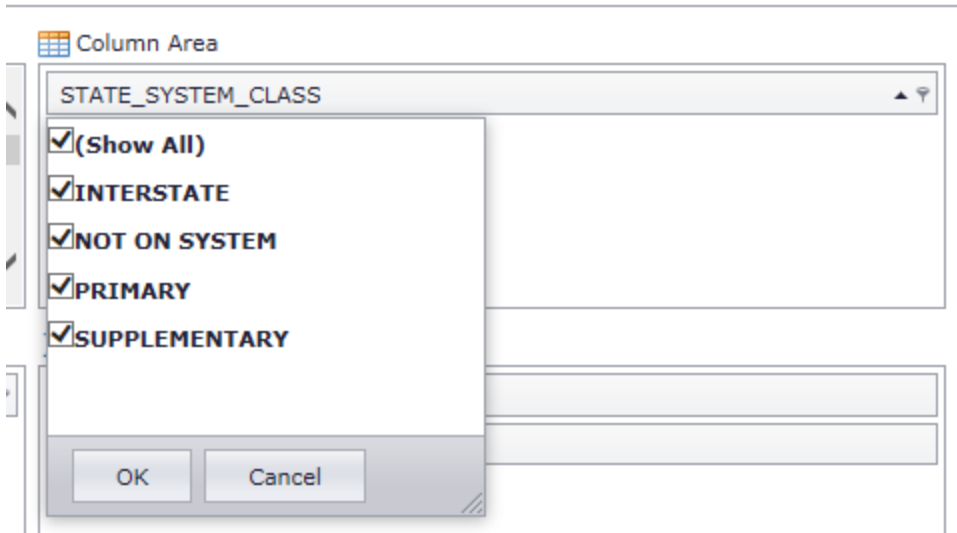
Defer Layout Update Update

If not already there, click and drag “STATE\_SYSTEM\_CLASS” to the Column Area. You will see an arrow at each end of the field name when it’s ready to be dropped. Place “DISTRICT\_ABBR” in the Row Area and “OFFICIAL\_VMT” in the Data Area if not already there.

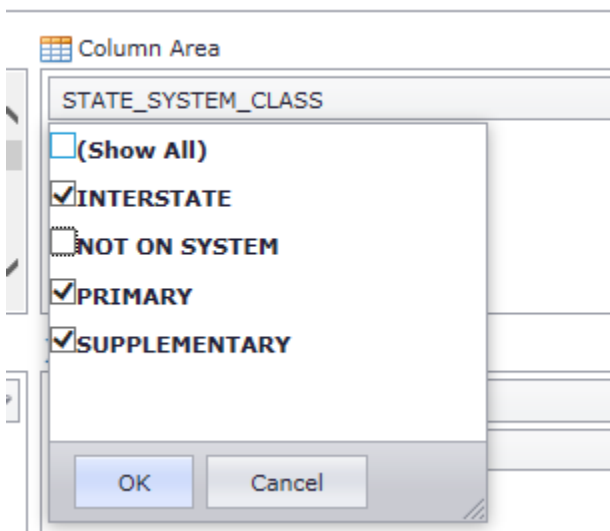
Before reviewing results, click on the “YEAR” drop down in the “Filter Area” and uncheck “Show All”. Then check the box next to “2015”.



Next, click on the STATE\_SYSTEM\_CLASS filter (funnel in upper right corner  ) in the “Column Area” to modify the criteria.



Uncheck "NOT ON SYSTEM" and click "OK".



Drag the right scrollbar to the bottom to see the results (shown below).

	SUPPLEMENTARY	PRIMARY	INTERSTATE	Sum
CD	4,550,976	7,305,628	5,650,368	17,506,972
KC	6,908,594	5,275,976	13,577,212	25,761,782
NE	1,983,716	5,264,937	1,397,811	8,646,464
NW	1,865,610	3,083,824	3,010,214	7,959,648
SE	4,554,733	7,153,818	3,539,282	15,247,833
SL	8,541,014	6,160,400	23,861,035	38,562,449
SW	7,677,598	9,130,702	5,635,661	22,443,961
Sum	36,082,241	43,375,285	56,671,583	136,129,109

Under the “Sum” column the official vmt (136,129,109) is displayed for year 2015.

You can click on the data elements and drag and drop to modify the “Row Area”, “Column Area” and “Data Area”. Click and hold on “STATE\_SYSTEM\_CLASS”. Then drag it over to the “Filter Area”.



When you drag a field to the “Filter Area”, hold and hover until you see an arrow on each end of the box. Then drop the field into the “Filter Area”. It can take a few seconds for the result to display.

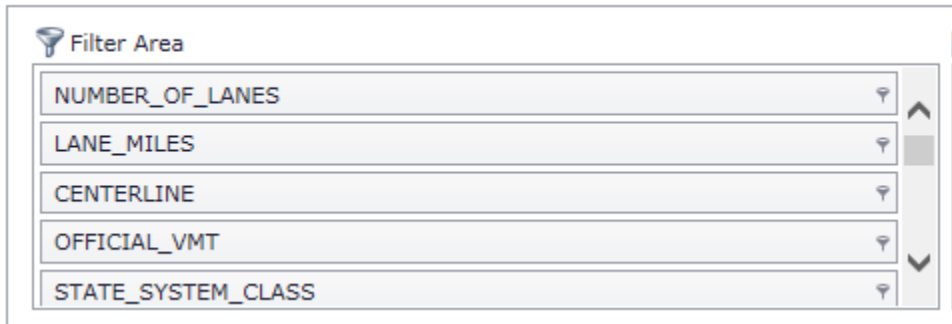
Drag “OFFICIAL\_CENTERLINE” from the “Filter Area” to the “Data Area”.



Next, remove “OFFICIAL\_VMT” from the “Data Area” by clicking and dragging to the “Filter Area”.



“OFFICIAL\_VMT” is now in the “Filter Area”.



Next, find “MAJOR\_MINOR” in the “Filter Area” and click and drag it to the “Column Area” as shown below.



Drag the scrollbar to the bottom of the page to see the results shown below:

The image shows a data table with the following content:

	LOWVOL	MAJOR	MINOR	NA	Sum
CD	1,269	737	3,237	0	5,243
KC	637	818	1,640	0	3,095
NE	1,981	601	1,963	0	4,546
NW	3,056	737	1,508	0	5,302
SE	2,336	908	4,170	0	7,414
SL	72	662	1,001	0	1,735
SW	1,729	1,030	3,779	0	6,538
Sum	11,080	5,494	17,298	0	33,873


Notice the caution banner which indicates any fields that are filtered.

Official Miles

My Layouts Save Layout Export to Excel Summary Type Sum

Caution! This grid has fields that are filtered. Those fields are: STATE\_SYSTEM\_CLASS, YEAR

You have the option to save the grid layout once the columns are arranged to your satisfaction.

Click on the  button. Give the layout a name and click “Save Changes”.

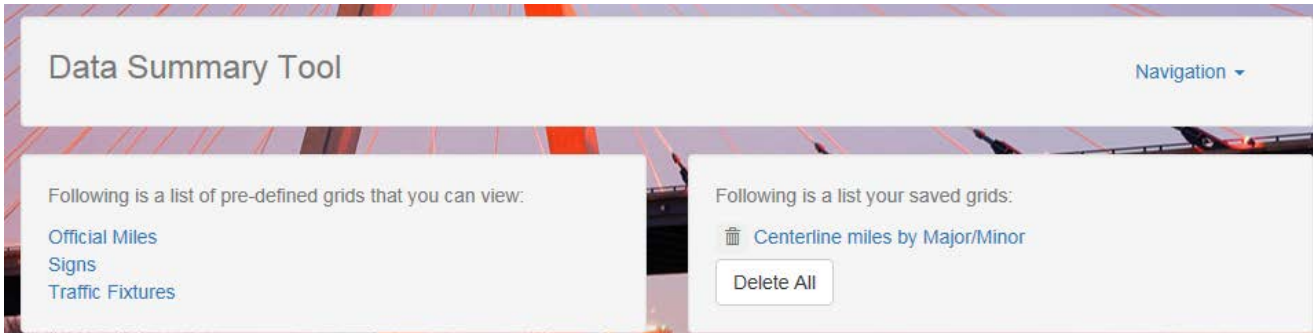
Save Layout to Favorites... x

Name

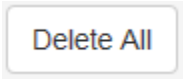
Centerline miles by Major/Minor x

Close Save Changes

The saved layout will now show up under the saved grids on the “Data Summary Tool” page as shown below.



If you no longer have need for a saved grid, you have the option to delete by clicking on the trash can to the left of the saved grid. If you have more than one saved grid, use the



button to remove them all at once.

“Signs” and “Traffic Fixtures” function in the same manner as “Official Miles”. For more information regarding the field names, review the definitions toward the bottom of this document.

## Official Miles

**NUMBER\_OF\_LANES** - Number of lanes (includes driving and turn lanes).

**LANE\_MILES** – Number of lanes \* segment length for all directions of travelways.

**CENTERLINE** – sum of mileage calculated for travelways with directions of South and East.

**RAMP\_LANEMILES** – sum of lane miles for travelways with a designation of ‘RP’ (ramp).

**MAJOR\_MINOR** – indicates if a travelway is classified as major, minor or low volume(minor).

**FEDERAL\_AID\_ELIGIBLE** – indicates if a travelway is eligible for federal aid.

**OWNER\_NAME** - the name of the entity that owns a travelway.

**OWNER\_TYPE** – classification of owners include CITY, COUNTY, FEDERAL, PRIVATE, SPECIAL ROAD DISTRICT and STATE.

**URBAN\_RURAL** - rural indicates population less than 5,000. Urban indicates population of 5,000 or greater. Urbanized = 50,001 – 200,000. Metropolitan – over 200,000.

**URBAN\_AREA\_NAME** – the name of the urban area.

**PLANNING\_ORG** – name of a metropolitan planning organization or regional planning commission.

**BOONSLICK REG PLAN COMM** - BOONSLICK REGIONAL PLANNING COMMISSION

**BOOTHEEL REG PLAN & ECON DEV** - BOOTHEEL REGIONAL PLANNING AND ECONOMIC DEVELOPMENT COUNCIL

**CAMPO MPO** - CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION

**CATSO MPO** - COLUMBIA AREA TRANSPORTATION STUDY ORGANIZATION

**EWGCC MPO** - EAST-WEST GATEWAY COORDINATING COUNCIL MPO

**EWGCC RPC** - EAST-WEST GATEWAY COORDINATING COUNCIL RPC

**GREEN HILLS REG PLAN COMM** - GREEN HILLS REG PLAN COMM - GREEN HILLS REGIONAL PLANNING COMMISSION

**HARRY S. TRUMAN COORD COUN** - HARRY S. TRUMAN COORDINATING COUNCIL

**JATSO MPO** - JOPLIN AREA TRANSPORTATION STUDY ORGANIZATION

**KAYSINGER BASIN REG PLAN COMM** - KAYSINGER BASIN REGIONAL PLANNING COMMISSION

**LAKE OZARK COUN OF LOCAL GOVTS** - LAKE OF THE OZARKS COUNCIL OF LOCAL GOVERNMENTS

**MARK TWAIN REG COUN OF GOVTS** - MARK TWAIN REGIONAL COUNCIL OF GOVERNMENTS

**MERAMEC REG PLAN COMM** - MERAMEC REGIONAL PLANNING COMMISSION

**MARC MPO** - MID-AMERICA REGIONAL COUNCIL MPO

**MARC RPC** - MID-AMERICA REGIONAL COUNCIL RPC

**MID-MO REG PLAN COMM** - MID-MISSOURI REGIONAL PLANNING COMMISSION

**MO-KAN REGIONAL COUNCIL**

**NE MO REG PLAN COMM** - NORTHEAST MISSOURI REGIONAL PLANNING COMMISSION

**NWARPC RPC** - NORTHWEST ARKANSAS REGIONAL PLANNING COMMISSION

**NW MO REG COUN OF GOVTS** - NORTHWEST MISSOURI REGIONAL COUNCIL OF GOVERNMENTS

**OZARK FOOTHILLS REG PLAN COMM** - OZARK FOOTHILLS REGIONAL PLANNING COMMISSION

**OTO MPO** - OZARKS TRANSPORTATION ORGANIZATION

**PIONEER TRAILS REGIONAL COUN** - PIONEER TRAILS REGIONAL COUNCIL

**SO CENTRAL OZARK COUN OF GOVTS** - SOUTH CENTRAL OZARK COUNCIL OF GOVERNMENTS

**SEMPO MPO** - SOUTHEAST METROPOLITAN PLANNING ORGANIZATION

**SE REG PLAN & ECON DEV COMM** - SOUTHEAST REGIONAL PLANNING & ECONOMIC DEVELOPMENT COMMISSION

**SW MO ADVISORY COUN OF GOVTS** - SOUTHWEST MISSOURI ADVISORY COUNCIL OF GOVERNMENTS

**SJATSO** - ST. JOSEPH AREA TRANSPORTATION STUDY ORGANIZATION

**TMA\_NON\_TMA** – “Y” indicates a transportation management area. A TMA is an urbanized area with a population over 200,000, designated by the Secretary of Transportation.

**NHS** – National Highway System.

**FUNCTIONAL\_CLASS** – is defined as follows:

**Rural**

- 1 Interstate** – The interstate Highway System provides service for long distance trips. These trips may begin and end in Missouri, travel through Missouri, or begin or end in another state. All cities with a population of 50,000 or more are served by an Interstate route. Interstate highway standards are such that speeds are high. Access is fully controlled on Interstates, which means entering and leaving the Interstate can only be done at an interchange.
- 2 Principal Arterial** – Principal Arterials serve long distance through trips within a state or from state to state. Together with the Interstate System they serve nearly all cities with a population of 5,000 or more. They also serve major recreational areas. These routes should be two-lane, limited access or fully controlled access divided highways. Provisions should be made to limit traffic interruptions on principal arterials.
- 6 Minor Arterial** – Minor Arterials serve moderate length trips within or between counties. They connect almost all the remaining cities with population over 1,000, and provide access to the Principal Arterial or Interstate Principal Arterials; most of the Minor Arterials are two-lane routes.
- 7 Major Collectors** – Major Collectors primarily serve trips within a county. They link the county seat and any larger towns, if not on an arterial, to the arterial system. In addition, the Major Collectors provide service to traffic generators of countywide importance, such as; consolidated schools, shipping points, other modes of transportation, important mining or agricultural areas, state parks and recreational areas.
- 8 Minor Collectors** – The Minor Collectors link the remaining communities and locally important traffic generators to a Major Collector or arterial route.
- 9 Local** – The local road system provides access to adjacent land along its entire length. Trips are relatively short and at low speeds. The local functional classification accounts for all mileage not included in the collector or arterial systems.

## URBAN

- 11** **Interstate** – The urban Interstate routes provide "cut through" the urban area or travel around the urban area on or near its perimeter. As with the rural Interstate System, these routes are fully access controlled to encounter as little traffic interruption as possible.
  
- 12** **Freeway and Expressway** – These routes serve relatively long trips within an urban area. The speeds are not as fast as on the Interstate System but are generally high. Because the emphasis of the Other Freeway and Expressways is on traffic mobility, these routes should be fully or partially access controlled.
  
- 14** **Principal Arterial** – The Other Principal Arterials provide relatively direct routes to major urban attractions, not on the Interstate or Other Freeway and Expressway system. These trips are also relatively long. The Other Principal Arterials also provide continuity to rural arterials, which intercept the urban boundary. Any direct access to adjacent land is purely incidental.
  
- 16** **Minor Arterial** – The Minor Arterial system should connect and supplement the principal arterials and provide service to trips of moderate length at a lower degree of mobility than the principal arterials.
  
- 17** **Collector** – The Collector channel traffic from residential, industrial, or commercial areas to the arterial system. Conversely, they channel traffic from the arterials into such areas. Because they provide a higher degree of land access than the arterial system, speeds are lower than on the arterials.
  
- 19** **Local** – Local streets provide access to abutting land along their length, and to the collector and arterial systems. The local functional classification includes all urban mileage that is not on a higher system.

**COUNTY\_NAME** – the name of one of Missouri's 114 counties or the City of St. Louis.

**YEAR** – indicates the year that the data was generated.

**TW\_SPEED\_LIMIT\_CD** – indicates a speed limit value.

**DIVIDED\_UNDIVIDED** - indicates one-way (divided) or head to head (undivided) traffic.

**OFFICIAL\_LANEMILES** - sum of lane miles of MoDOT owned routes.

**COMMERCIAL\_VMT** - measurement of miles traveled daily by commercial vehicles within a specified region .

**VMT** - measurement of miles traveled daily by vehicles within a specified region.

**DISTRICT\_ABBR** – two letter code identifying MoDOT’s seven districts.

**STATE\_SYSTEM\_CLASS** - classifies a travelway as “Interstate”, “Primary” or “Supplementary”.

**OFFICIAL\_CENTERLINE** - sum of centerline miles of MoDOT owned travelways.

**OFFICIAL\_VMT** - measurement of miles traveled daily on MoDOT owned travelways by vehicles within a specified region.

## Signs

ALL of the definitions from Official Miles apply to the Signs category along with the following:

**SIGN\_TYPE** – includes the various types of signs.

**TOTAL\_SIGNS** – total number of signs.

## Traffic Fixtures

ALL of the definitions from Official Miles apply to the Traffic Fixtures category along with the following:

**OWNER** - Values include City, County, Fire Department, MoDOT, School, Private or Other.

**POWER\_BILLED** – party responsible for paying the power cost. Values include City, County, Fire Department, MoDOT, School, Private, Other or Alt Energy Src (alternate energy source).

**ITEM\_TYPE** - varies depending on DATA\_TYPE. When Signal is selected, data will be grouped by [make and model](#). When Flasher is selected, data will be grouped by [installation type](#). When Lighting is selected, data will be grouped by [bulb type](#).

**DATA\_TYPE** - includes values of [Signal](#), [Lighting](#) and [Flasher](#).

**MAINTENANCE** – indicates who is responsible for maintaining a traffic fixture. Values include [City](#), [County](#), [Fire Department](#), [MoDOT](#), [School](#), [Private](#) or [Other](#).

**QUANTITY** – is a measure of the number of traffic fixtures.

If you have any questions regarding the MoDOT DataZone, please contact the TMS HelpDesk at (573)526-8055 or (573) 522-8464.