Traffic Counts

Christina Bennett, PE
Operations Traffic Engineer

34th Annual North Central Local Roads Conference
Rapid City, SD - October 16-17, 2019
Tube Counters
Tube Counters

- Use 1 for volume counts, 2 for classification
- Relatively inexpensive and easy to use
- Should factor for time of year, etc. to get the average over the year (AADT)
- Can get factors from the DOT or...
TRAFFIC DATA

Traffic Monitoring provides for the collection, retention and analysis of data, which indicates the volumes, classification, weights, speeds and other characteristics of motor vehicles that traverse South Dakota highways and streets. This information is necessary for assessing pavement life, pavement design, geometric, and safety analysis. Traffic movement data is collected at over 7,500 locations throughout the state. In order to maximize data collection efficiency, sampling techniques and automatic recording equipment are utilized whenever possible.

The traffic monitoring section produces the following reports:

- Vehicle Miles Traveled (VMT) by County
- Vehicle Miles Traveled (VMT) by County for Heavy Trucks**VMT reports are published in June for the previous year
- Automatic Traffic Recorder Data Report (updated Monthly)
- Sturgis Rally Count Report 2010-2019
- Traffic Speed Monitoring

Traffic Maps

State Highways

Non-state Highways (Urban Cities)

Non-state Highways (Counties)
DOT may have counts for your roads.
DOT may have counts for your roads

CONTACT

Jeff Brosz
605-773-5439

Email

Legend
Count Locations
- 2018
- 2017
- 2016
- 2015
- 2014
- 2013
- 2012
- 2011
- 2010

Local Roads
- Interstate Highways
- US Numbered Highways
- State Numbered Highways
- Railroads
- Rivers
- Water Bodies

Butte County
Using the Data

- Applying for Grants
  - Bridge Improvement Grants (BIG)
  - TIGER Grants
Using the Data

• Construction & Maintenance Priorities

• Budget Priorities

“Worst first” is not always the right solution
Using the Data

• Design Standards
  – Asphalt thickness
  – Base thickness
• Turning Radius based on truck volume
• Road Classification
• Stop sign warrants
More Information/Resources

Christina Bennett, PE
Operations Traffic Engineer
SDDOT Operations Support, Pierre
Christina.Bennett@state.sd.us
605-773-4759