



Traffic Data Management Using GEOCOUNTS[®]

Presented by
Joshua P. Albritton

Section 21/003 – Traffic Monitoring/Data Collection

Who We Are...
What We Do...



DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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RESIDENTS In My Community | BUSINESS Working With DOTD | GOVERNMENT State and Local Resources | INSIDE La DOTD

Home > Residents > Traffic

LADOTD Estimated Annual Average Daily Traffic Routine Traffic Counts

Select a parish:
17-E Baton Rouge

Navigation tips:
Use scroll wheel to zoom in and out.
Drag to move map.
Double-click to center and zoom in on a point.
Hover over a point to show Route and ADT.

Download the data in ".csv" format.
download

Contact:
Joshua Albritton

Go to Blanket Traffic Counts

Route=US0061
milepoint=77.86
station=208261
cont-sec= 007-90
logmile=7.30
Year - AADT
2014 - 40411
2011 - 46899
2008 - 47015
2005 - 43218
2002 - 45606
1999 - 44135

LA DOTD HEADQUARTERS 1201 Capitol Access Road, Baton Rouge, LA, 70802 Telephone: (225) 379-1232 Email: dotdcs@la.gov



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TRAFFIC VOLUME

**VEHICLE
CLASSIFICATION**

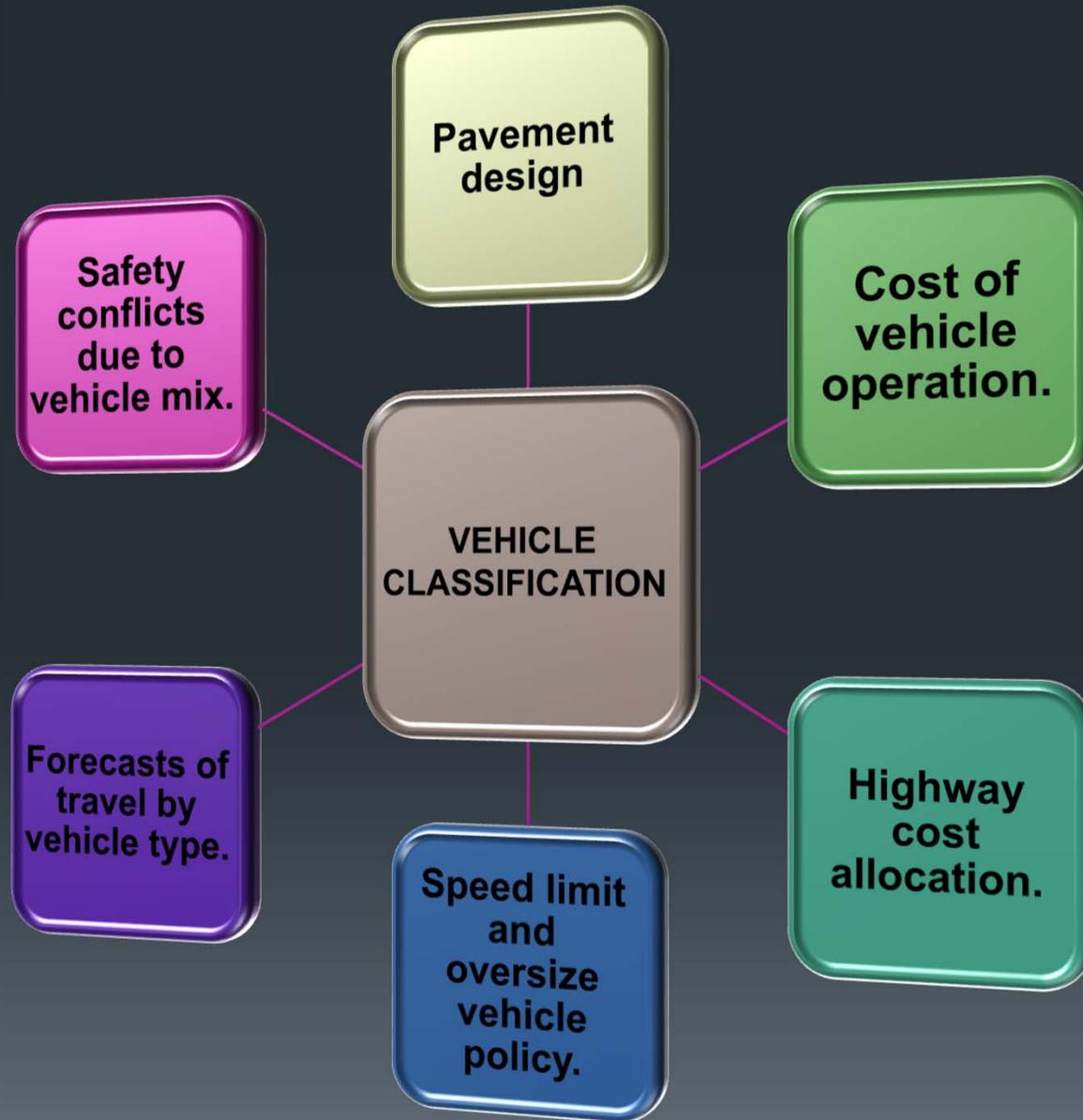
TRUCK WEIGHT

**VEHICLE
OCCUPANCY**

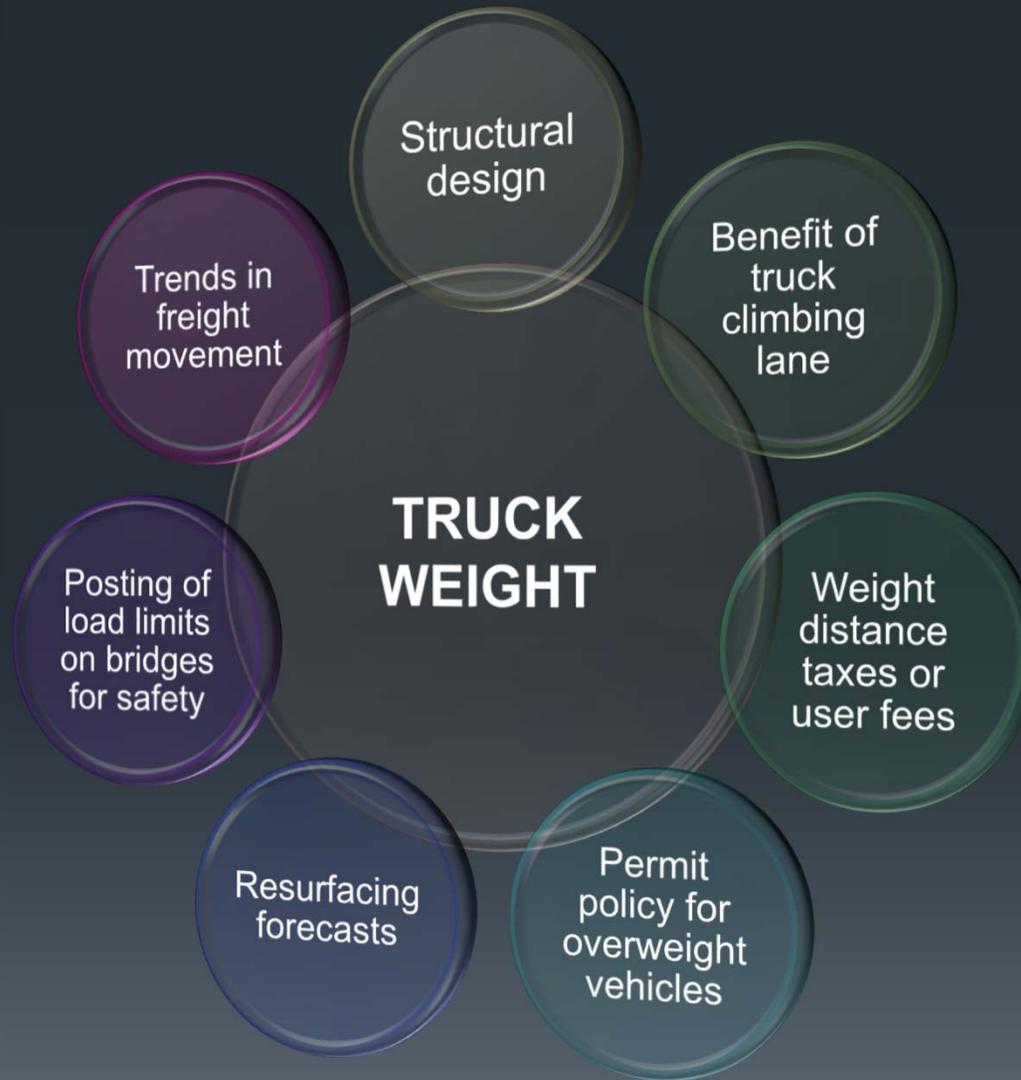
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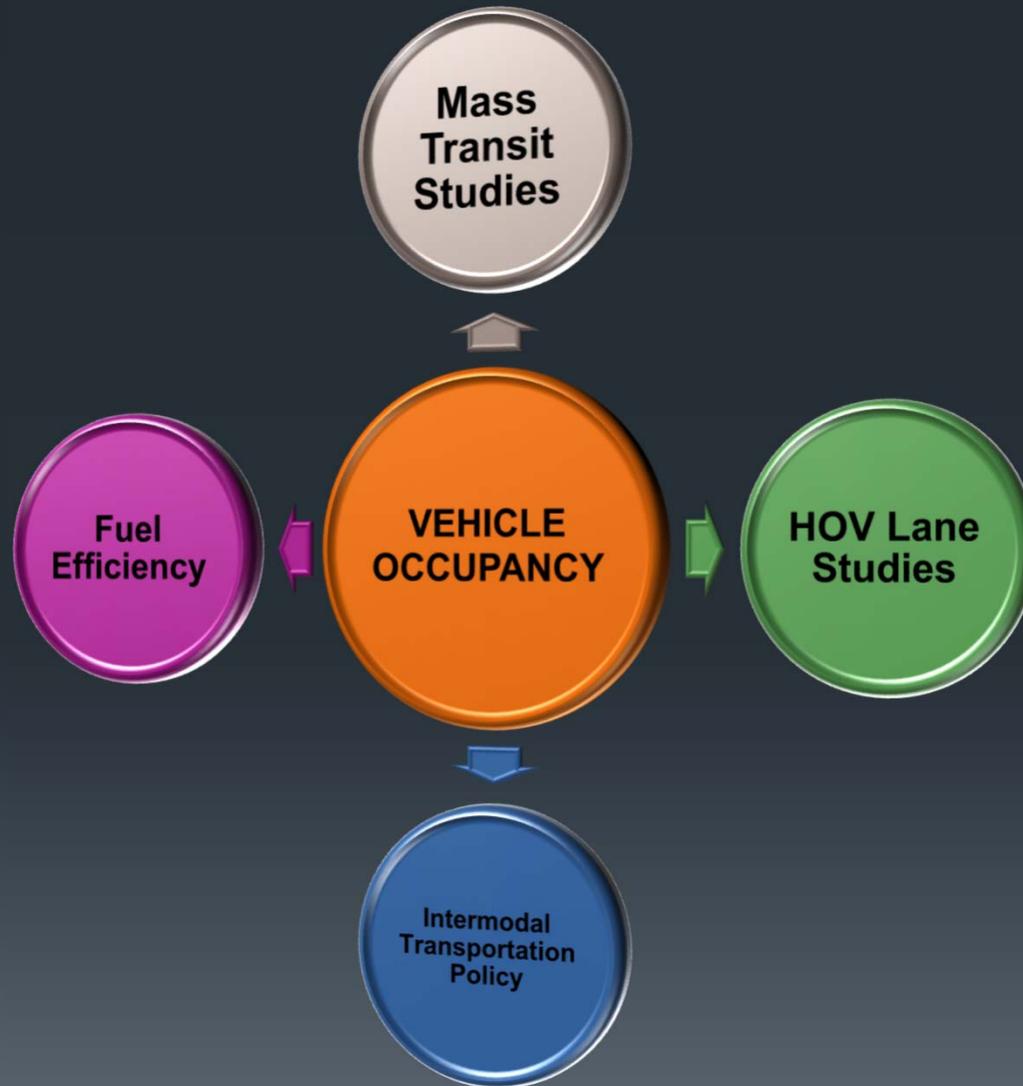
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Ways we collect traffic data:

- ❑ Continuous Count Stations (CCS or Permanent) Collections
 - ❖ Side-firing Radars or Loop Detectors
 - ❖ 365-Days, 24/7
 - ❖ Volume Count by Hour (Vehicle Classification – *FUTURE*)
 - ❖ All Lanes of Travel with Per-lane Data
 - ❖ In Both Directions

- ❑ Routine Collections (State Maintained/On-System Roadways)
 - ❖ Collected every 3-Years per parish
 - ❖ Short-duration, 48-hour Volume Counts
 - ❖ Single Road Tube Setup
 - ❖ Total Volume Count (Time-Stamped Data – *FUTURE*)
 - ❖ All Lanes of Travel in Both Directions

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Ways we collect traffic data (cont'd):

- ❑ Vehicle Classification
 - ❖ Collected Every 3-Years Per Parish
 - ❖ Short-duration, 48-hour Volume
 - ❖ Double road tubes (2-tube setup)
 - ❖ Total Volume Count per Lane
 - ❖ In Both Directions

- ❑ Blanket (Local/Off-System Roadways) Collections
 - ❖ Collected every 10-Years per parish
 - ❖ Short-duration, 48-hour Volume
 - ❖ Single road tube
 - ❖ Total Volume Count
 - ❖ All Lanes of Travel in Both Directions

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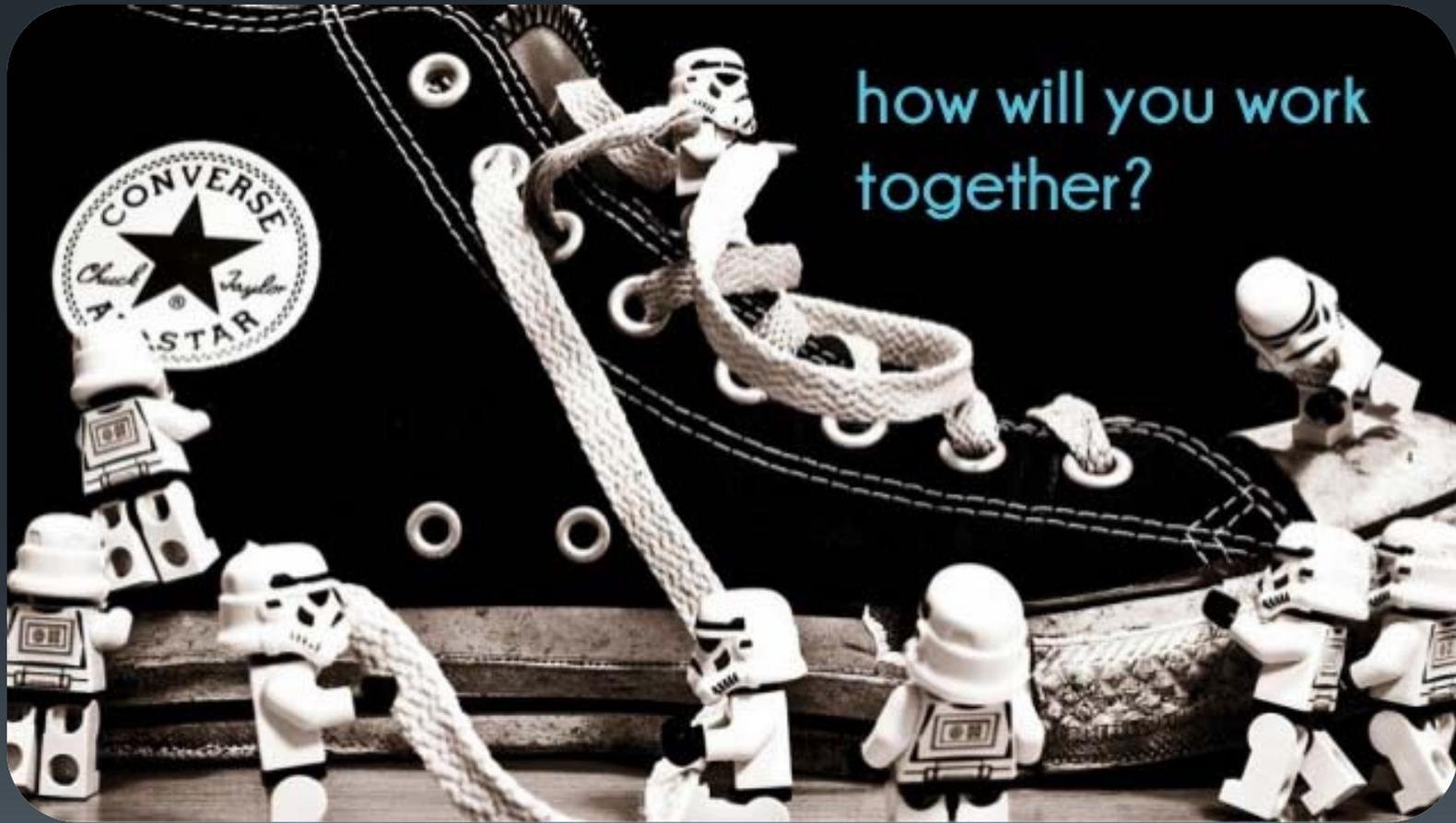


Ways we collect traffic data (cont'd):

- ❑ Weigh-In-Motion (WIM) Collections
 - ❖ Collected Statewide Yearly at Various Predetermined Locations
 - ❖ Approximately 25-30 Sites Per Year
 - ❖ Short-duration, 48-hour Vehicle Weight and Classification
 - ❖ Piezoelectric Sensor (Determines Weight)
 - ❖ Calibrated Every Year at Weigh Station
 - ❖ Single-Outside Lane Installation

- ❑ Exit Ramp Vehicle Classification Collections 
 - ❖ Collected on a 6-Year Cycle (Whole State)
 - ❖ Short-duration, 48-hour Double Road Tubes (2-tube setup)
 - ❖ Total Volume Count and Vehicle Classifications

Statewide Collaboration



how will you work together?

Statewide Collaboration



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<http://geocounts.com>





GEOCOUNTS[®]

"DIRECT SUPPORT FOR COUNTING EQUIPMENT"

GET STARTED

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- Sign-in/Create New Account

[➔ Create an account](#)



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Create a free account

First Name

Last name

Email

Password

Re-type password

Organization

I've read the [privacy policy, terms and conditions document](#)

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Project Elements Files Analytics Project Map

Summary Team Locations Forms Classifications Timelines

Project Team

Team Member Name	Organization	Role
Dan Seedah	Transmetric	Manager
Rina Patolilic	Louisiana DOTD	Analyst
Cristine Gowland	Louisiana DOTD	Analyst
Joshua Albritton	Louisiana DOTD	Analyst
LaDarien Beene	Traffic and Parking Surveys	Analyst
Candis Washington	Louisiana DOTD	Analyst
John Fu	Louisiana DOTD	Analyst
George Chike	Louisiana DOTD	Analyst
Amanda DeBlanc	Transmetric	Analyst
Hong Zhang	Louisiana DOTD	Analyst
Todd Garofalo	Louisiana DOTD	Analyst

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Project Elements Files Analytics Project Map

Labels Search for places or addresses

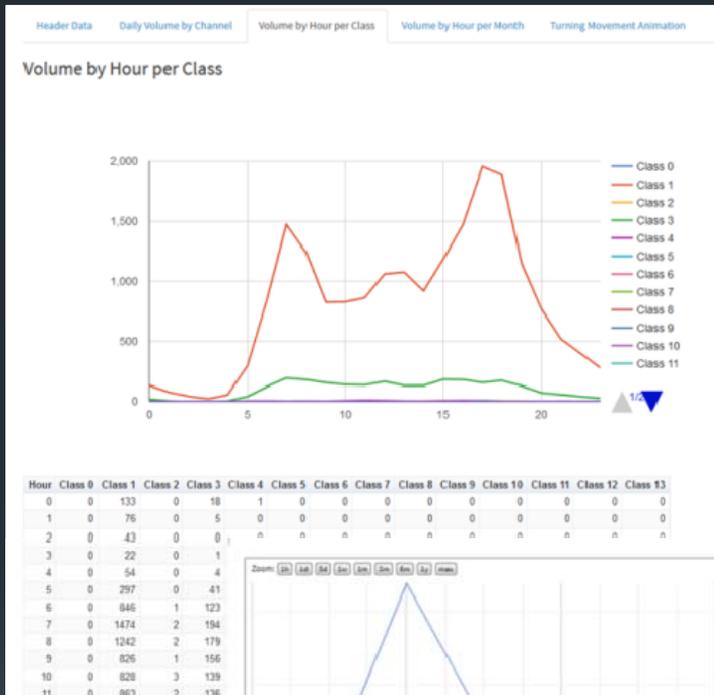
Open Data Collection

Location/Station ID *
13595601
Requested data type
Requested survey hours
24
Field status *
1
Field alarm code
Client Survey ID

Count Reports Traffic Survey Form

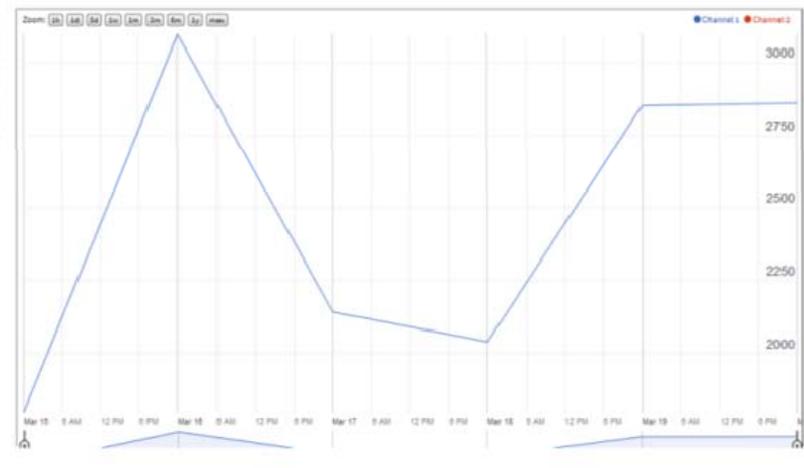
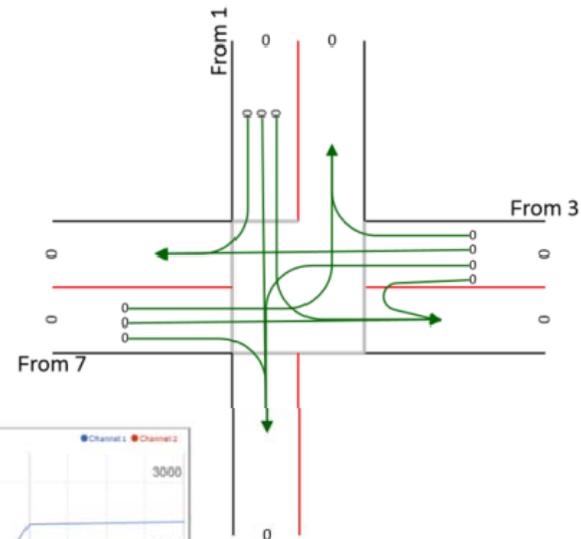
Station ID	Raw File Name	Size	Count Start	Updated			Unbind
13595601	13595601_201509230000_0.txt	10750	2015-09-23 00:00	2016-07-19 19:22	Report	Download	

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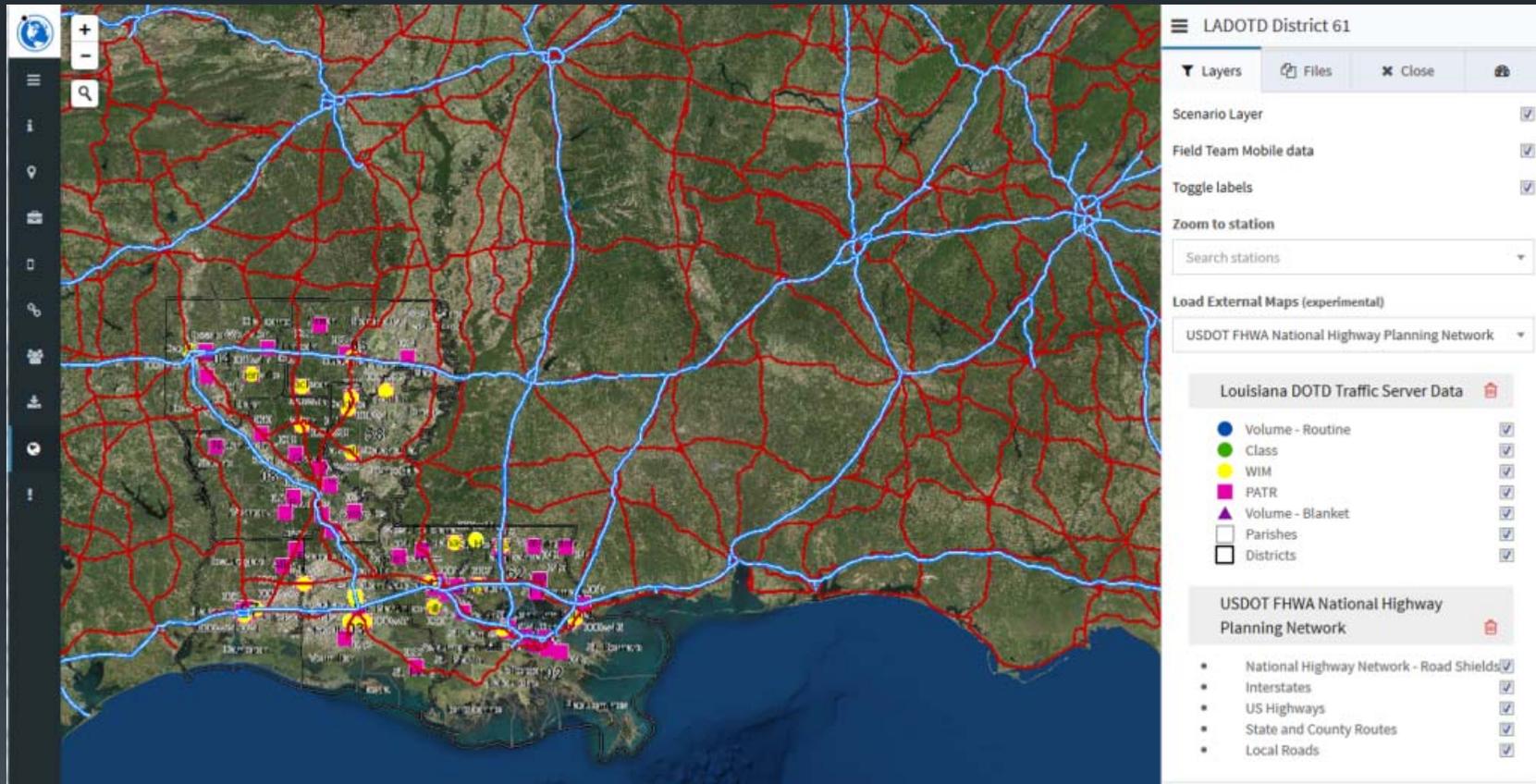


Turning Movement Animation (experimental)

Intersection of STREET AND ROAD
All Vehicles
From START DATE to END DATE



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Public View with External Map Overlays

Traffic Data Management Using GEOCOUNTS



**Presentation
Finished.**

Any questions?

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<http://geocounts.com>

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thank you!