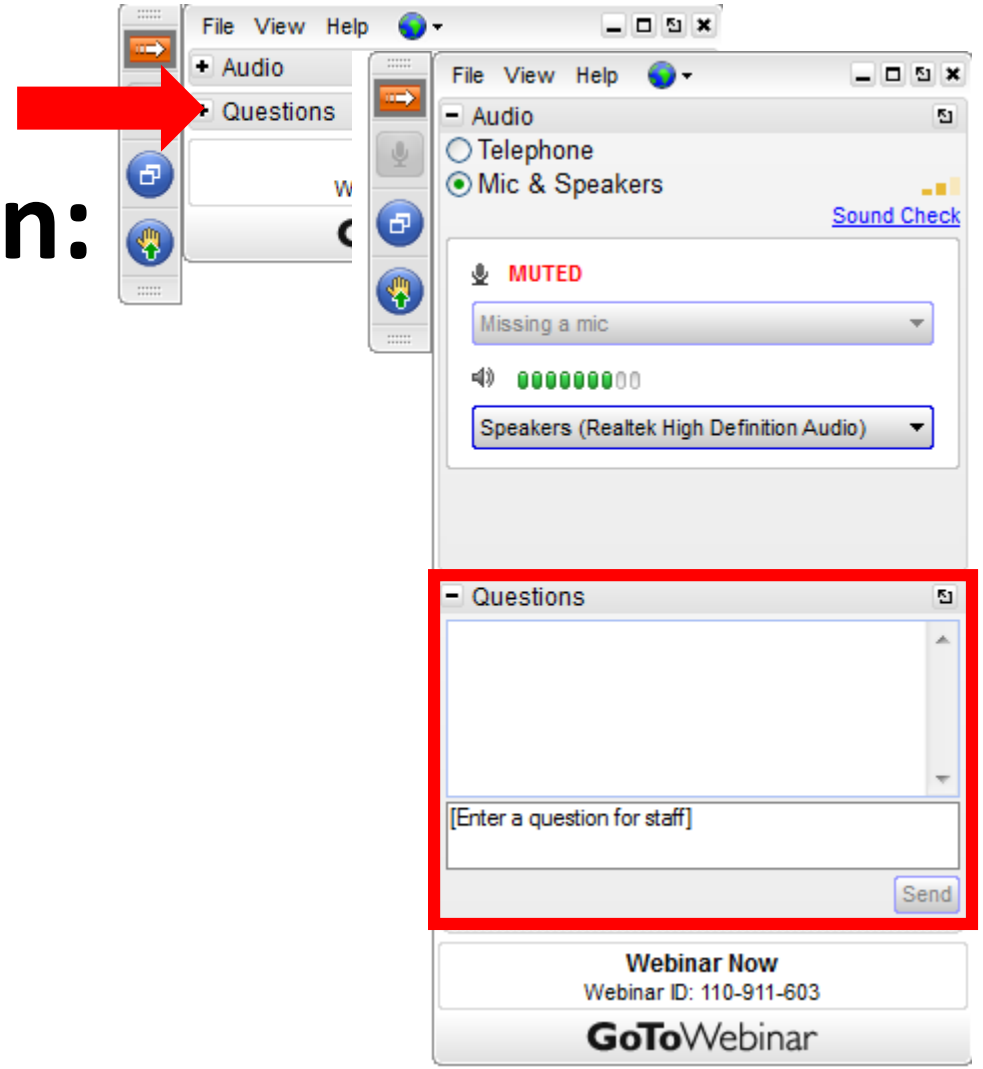
Florida Department of Transportation
State Safety Office

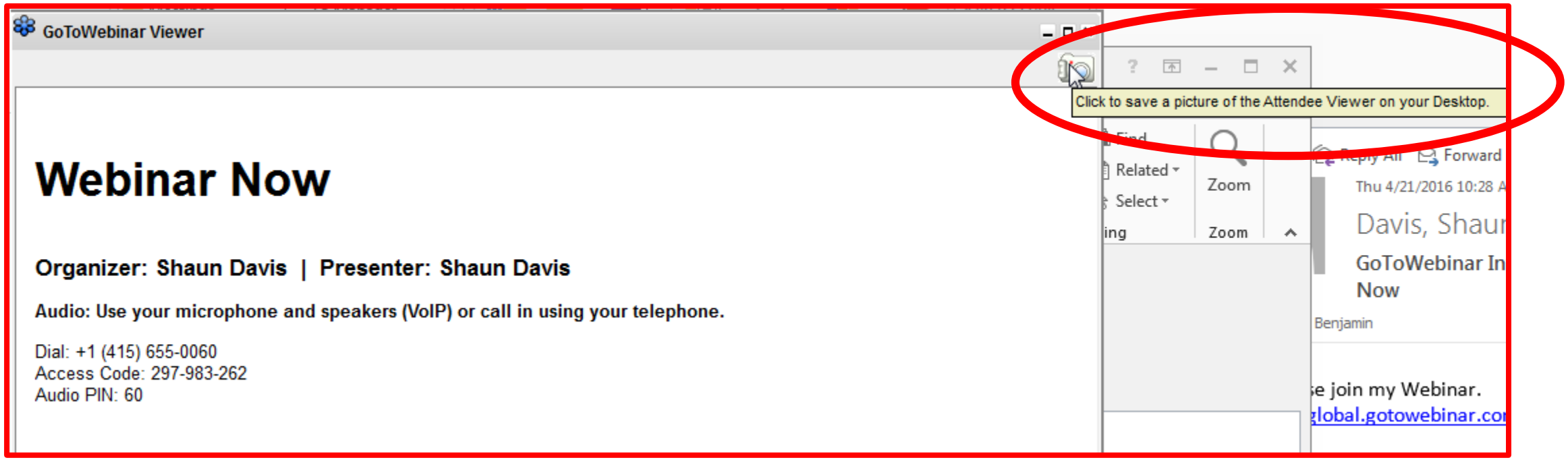
Crash Data Academy

Crash Analysis Reporting (CAR) Online – Basic Queries

How to ask a question:



Capturing the webinar window:



Crash Analysis Reporting Online – Basic Queries

Presenter:

Benjamin Jacobs
Crash Record and Research Administrator
FDOT State Safety Office

Presentation:

- Quick review of available crash query tools
  - Covered in previous webinar: FDOT Crash Data Academy – Crash Data Overview
  - Recording available: Watch Recording
    https://attendee.gotowebinar.com/g2wattendee/recording/3591619976781415172

Presentation:

- Quick review
- Using Crash Analysis Reporting (CAR) Online
  - Access
  - Sample Online Query
  - Practice Activity and Live Demonstration

Available Crash Query Tools

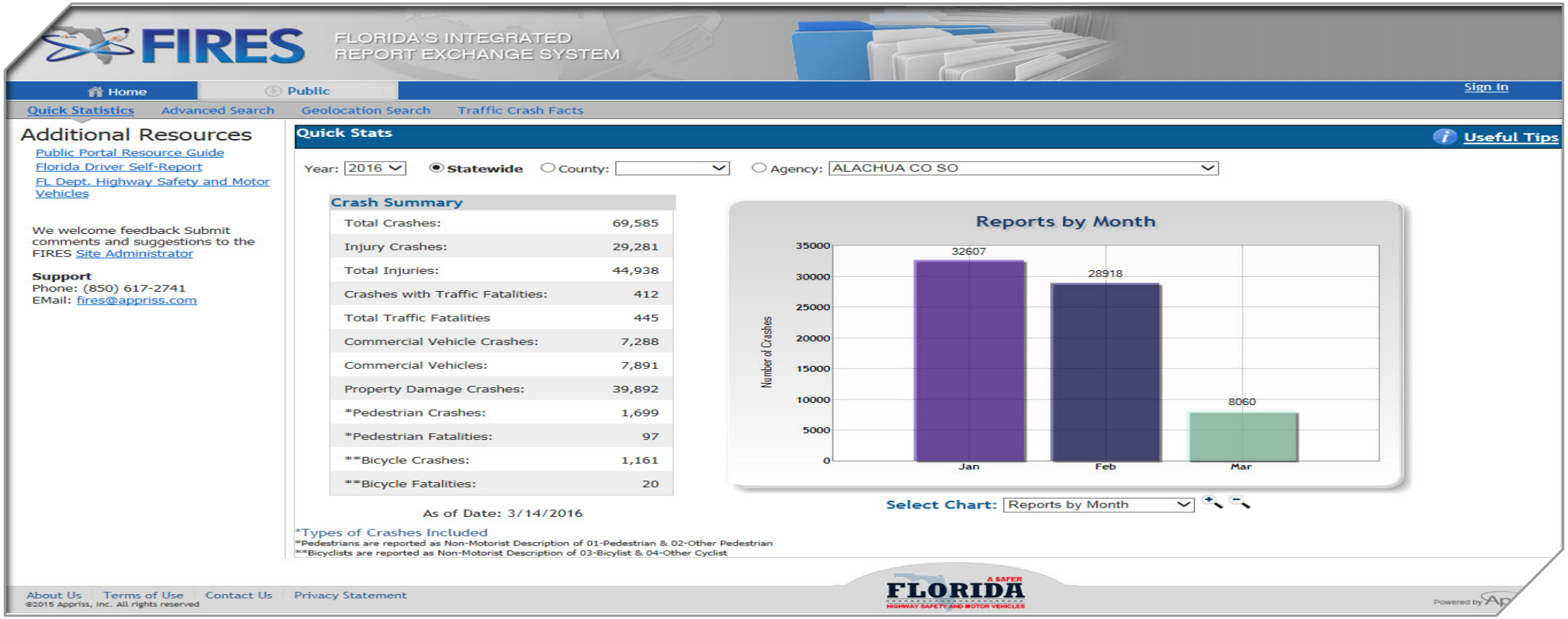
(Review from FDOT Crash Data Academy – Crash Data Overview)

Access: Public

- Florida's Integrated Report Exchange System (FIRES) Public Portal
- Florida Department of Transportation (FDOT) State Safety Office (SSO) Geographic Information System (GIS) Query Tool

Public Access: FIRES Public Portal

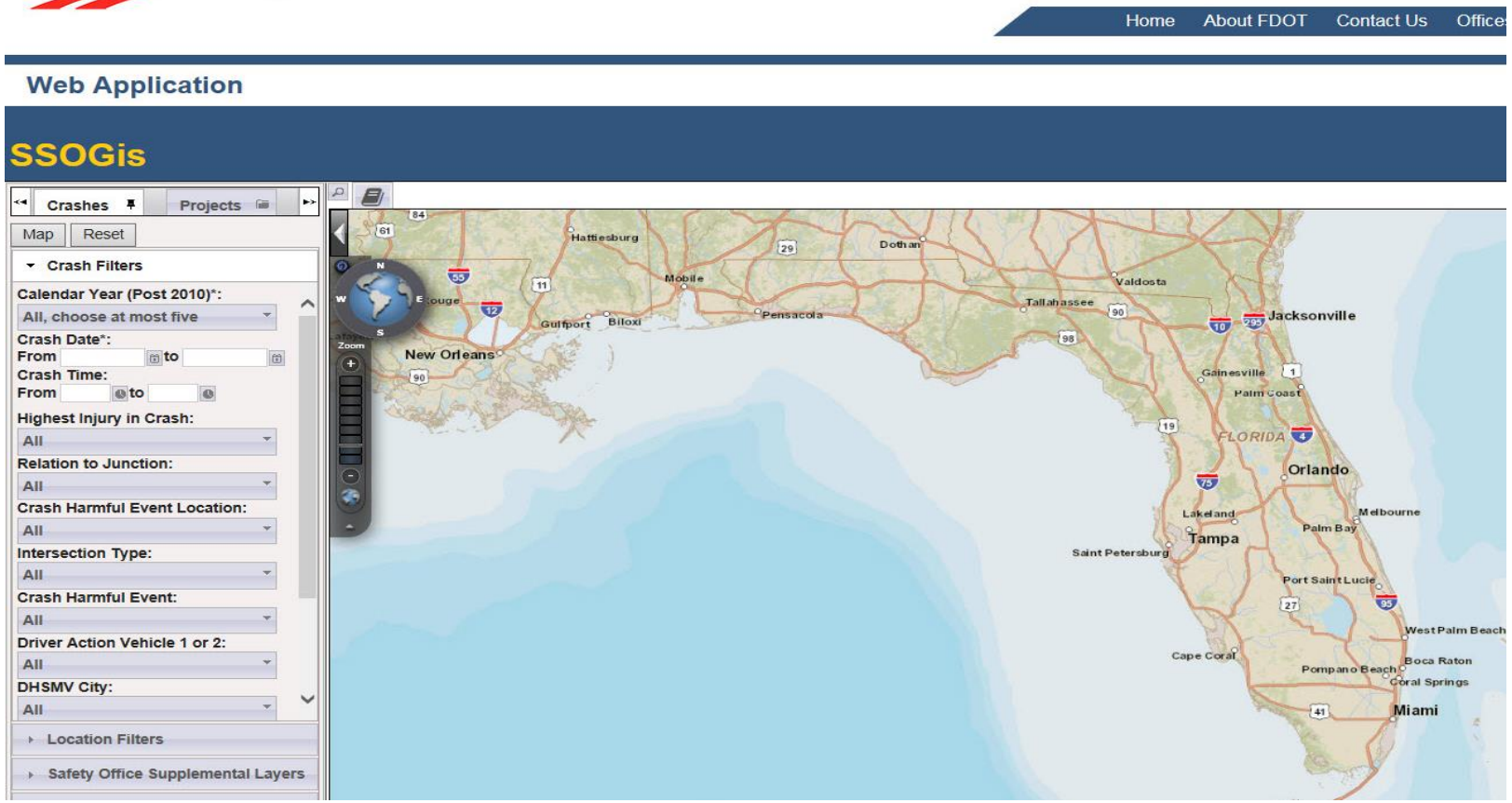
https://firesportal.com/Pages/Public/QuickStats.aspx



Public Access: FDOT SSO GIS Query Tool

Florida Department of TRANSPORTATION

https://fdotewp1.dot.state.fl.us/TrafficSafetyWebPortal/

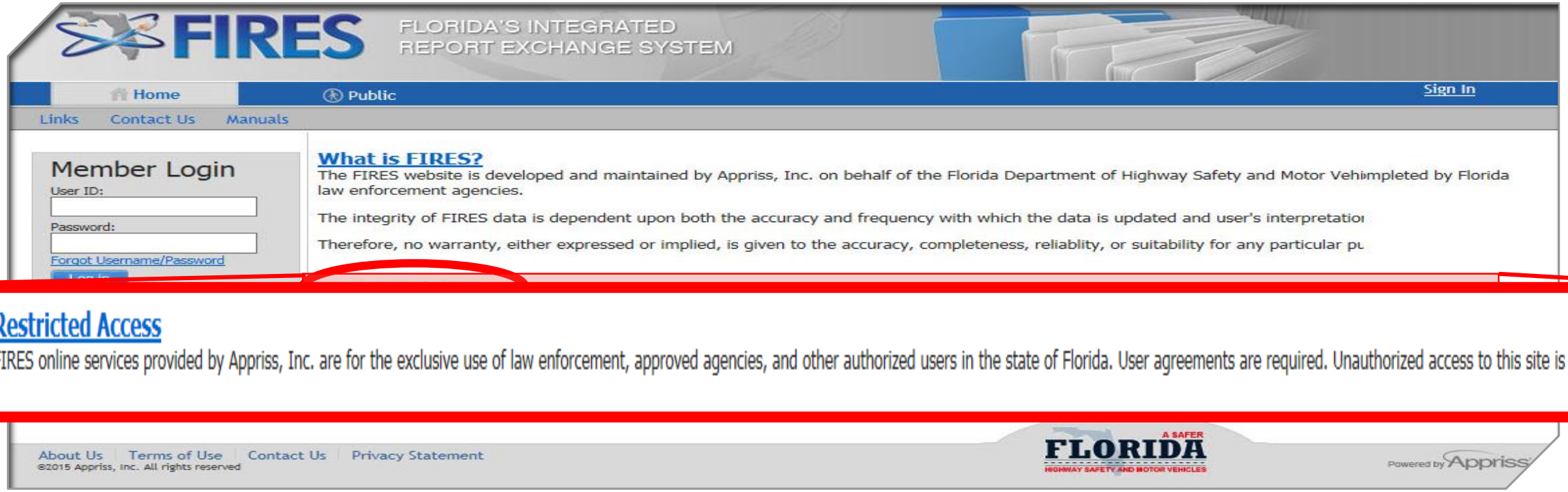


Access: Government and University

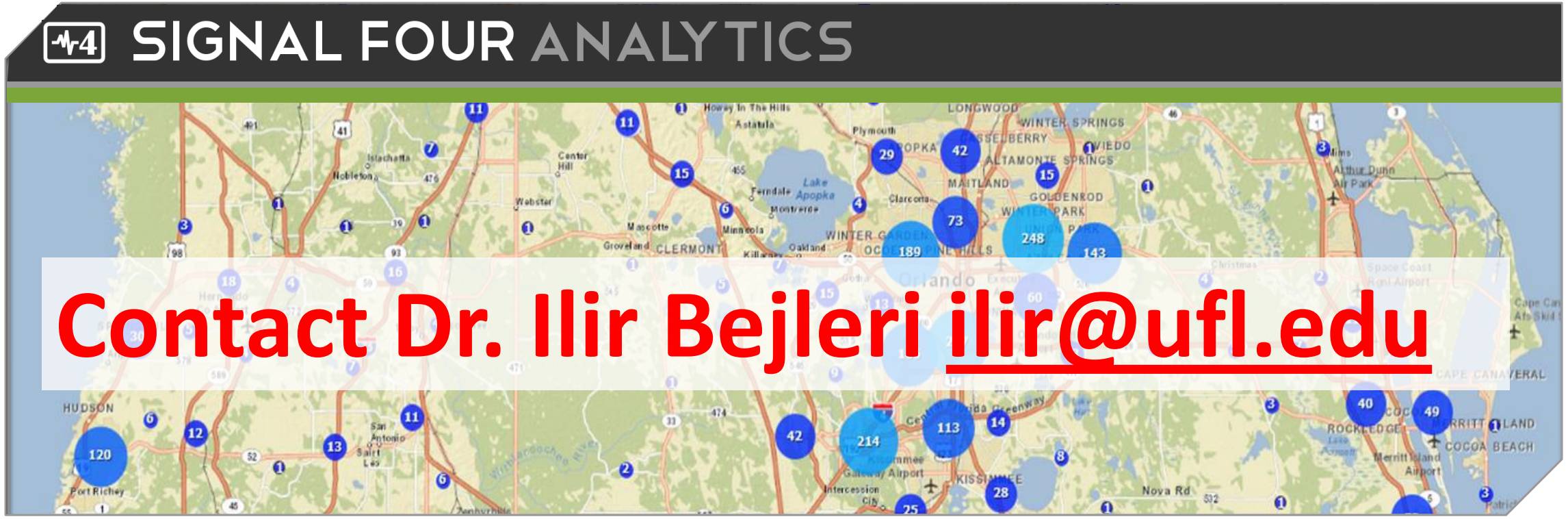
Includes Consultants Working on Government/University Projects

- **FIRES Portal**
- **Signal 4 Analytics**
- **FDOT Crash Analysis Reporting (CAR) Online**

Government and University Access: FIRES Portal



Government and University Access: Signal 4 Analytics



Government and University Access: FDOT

Resources (FDOT):

- FDOT State Safety Office - http://www.dot.state.fl.us/safety/
  - FDOT SSO Safety Engineering - http://www.dot.state.fl.us/safety/11A-SafetyEngineering/SafetyEngineering1.shtm
  - FDOT SSO Crash Data Request On Line Form - http://www.dot.state.fl.us/safety/11A-SafetyEngineering/TransSafEng/TrafCrashData_Form.html

Resources (FDOT):

- **FDOT Traffic Safety Web Portal - http://www2.dot.state.fl.us/trafficsafetywebportal/index.aspx**
  - **State Safety Office GIS Query Tool - https://fdotewp1.dot.state.fl.us/SSOGis/Home.aspx**
- **FDOT Crash Data Academy – Crash Data Overview webinar recording available: Watch Recording**

  https://attendee.gotowebinar.com/g2wattendee/recording/3591619976781415172

Resources (DHSMV & Signal 4):

- Florida Department of Highway Safety and Motor Vehicles Crash Reports – http://www.flhsmv.gov/courts/crash/
- Florida's Integrated Report Exchange System (FIRES) Portal - https://firesportal.com/Pages/Public/Home.aspx
- Signal 4 Analytics - https://s4.geoplan.ufl.edu/

Questions before we move on?

Using CAR On-line

Accessing the Interface and Running a Simple Location-Based Query

Housekeeping

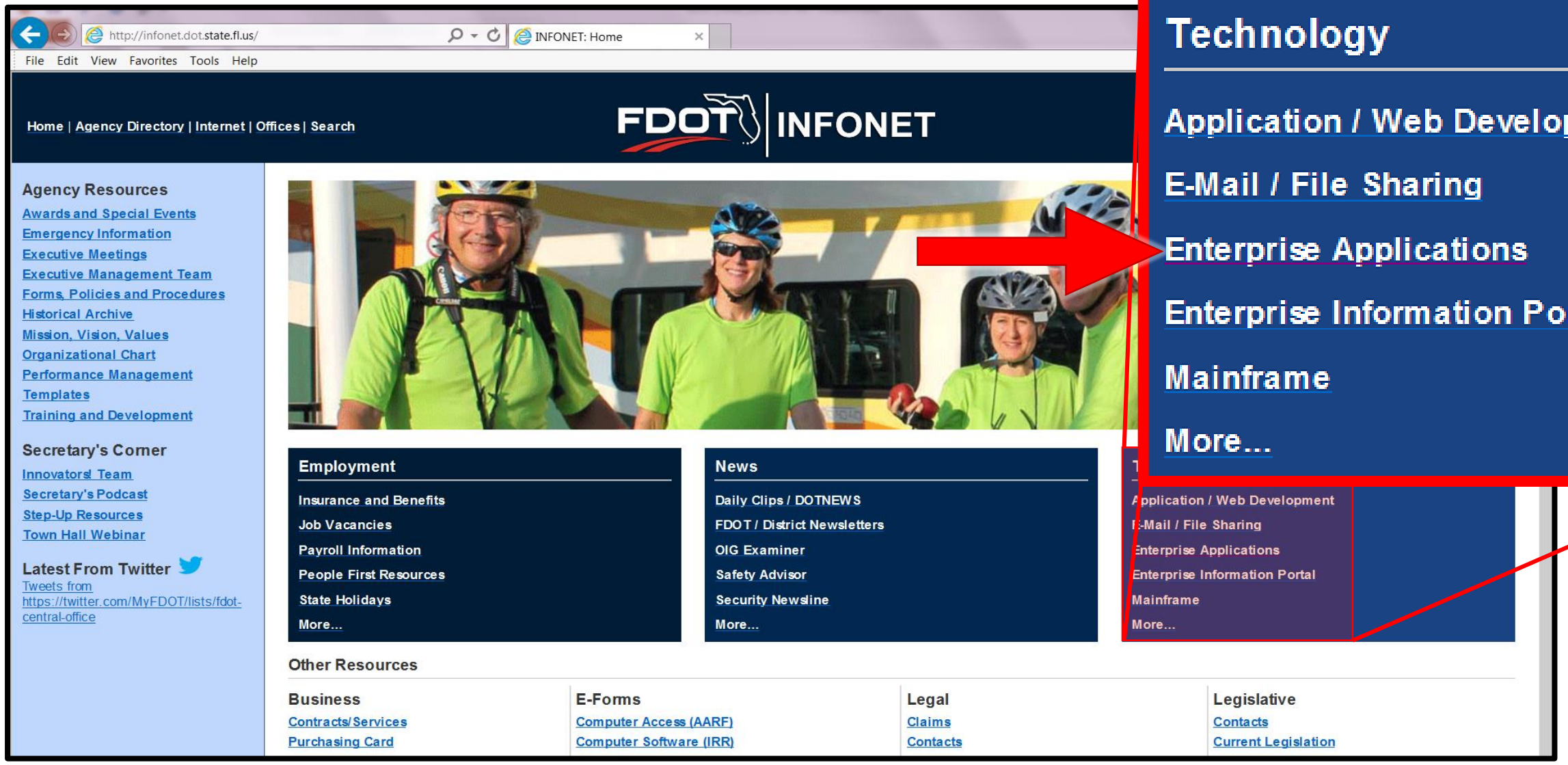
- Assumptions:
  - Have access to CAR Online inside the FDOT firewall
  - Account information is set up for the mainframe environment
- Additional help for setup is included in the resources for this presentation

Housekeeping

- Sample query activity at the end of this section:
  - If you want to play along, you will need to have CAR Online up on your screen and logged in
  - We will walk through the steps, so logging in is not essential for today

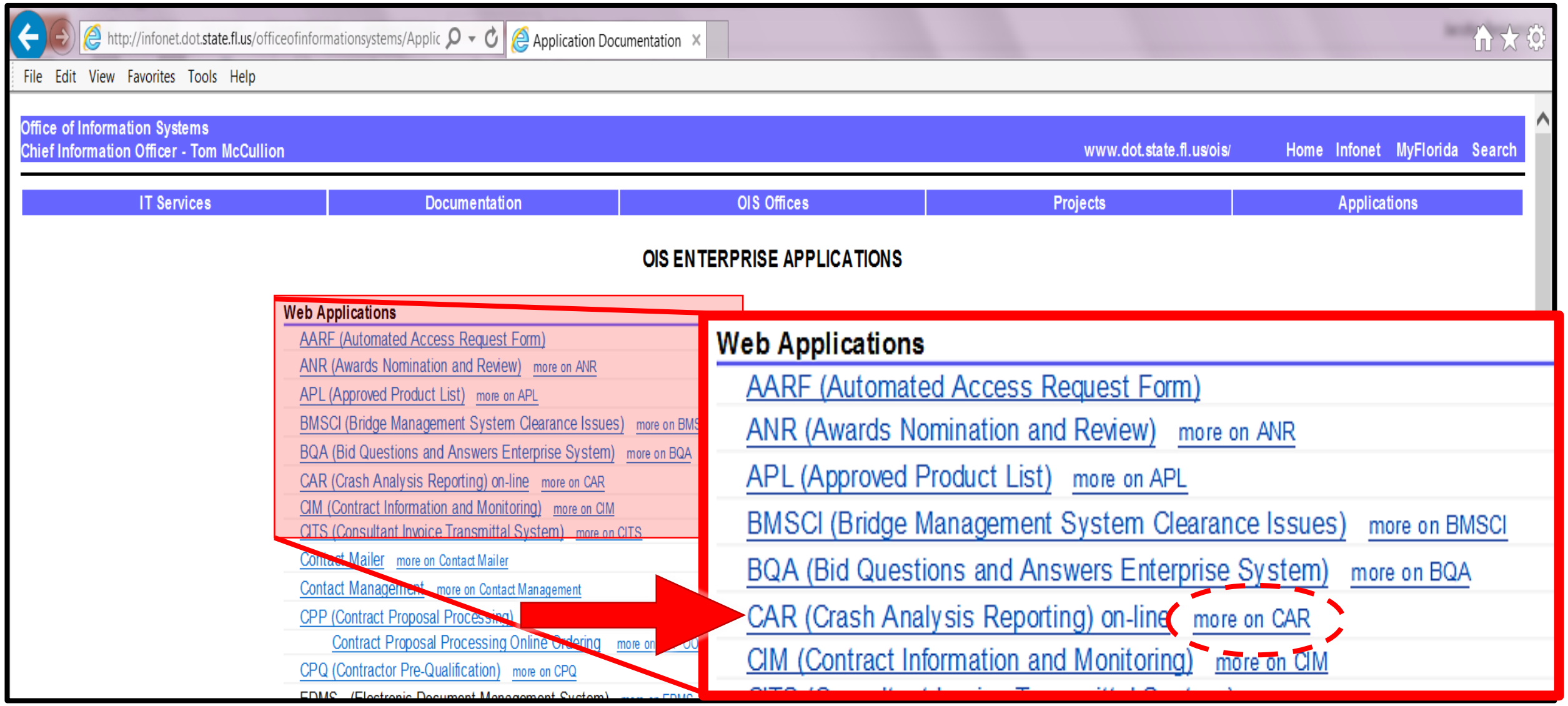
CAR Online Products

- On-line Results:
  - **On-line Crash Listing**
  - **Export On-line List to Excel**
  - On-line Tables
- Crash Rate Analyses:
  - Average Crash Rates
  - Actual Crash Rates and High-Crash Locations
- Batch Reports:
  - Crash Detail
  - Crash Summary
  - CSV format Extract Files



Technology

- Application / Web Development
- E-Mail / File Sharing
- Enterprise Applications
- Enterprise Information Portal
- Mainframe
- More…

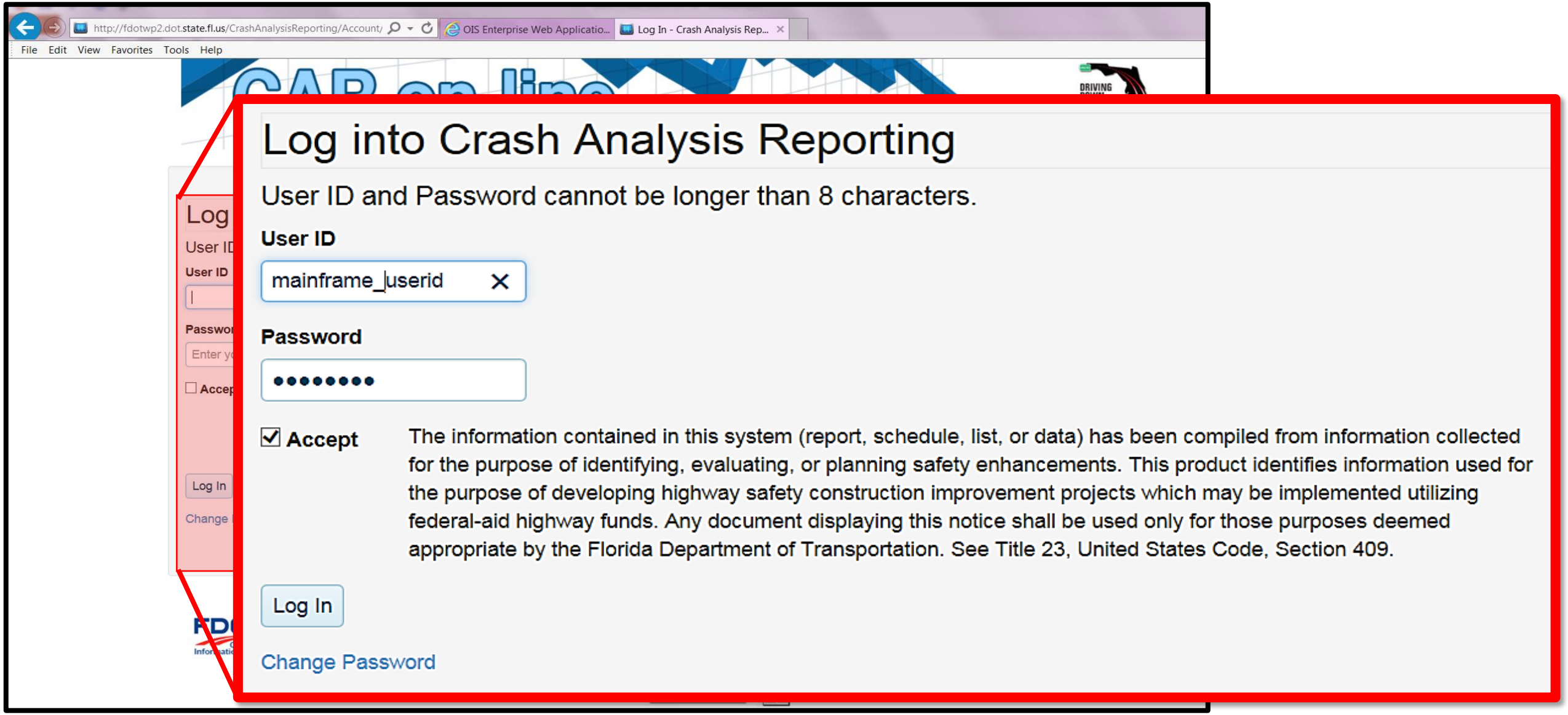

http://infonet.dot.state.fl.us/officeofinformationsystems/Applic
Application Documentation
File Edit View Favorites Tools Help
Office of Information Systems
Chief Information Officer - Tom McCullion
www.dot.state.fl.us/ois/
Home Infonet MyFlorida Search
IT Services
Documentation
OIS Offices
Projects
Applications
OIS ENTERPRISE APPLICATIONS
Web Applications
AARF (Automated Access Request Form)
ANR (Awards Nomination and Review) more on ANR
APL (Approved Product List) more on APL
BMSCI (Bridge Management System Clearance Issues) more on BMS
BQA (Bid Questions and Answers Enterprise System) more on BQA
CAR (Crash Analysis Reporting) on-line more on CAR
CIM (Contract Information and Monitoring) more on CIM
CITS (Consultant Invoice Transmittal System) more on CITS
Contact Mailer more on Contact Mailer
Contact Management more on Contact Management
CPP (Contract Proposal Processing)
Contract Proposal Processing Online Ordering
CPQ (Contractor Pre-Qualification) more on CPQ
Web Applications
AARF (Automated Access Request Form)
ANR (Awards Nomination and Review) more on ANR
APL (Approved Product List) more on APL
BMSCI (Bridge Management System Clearance Issues) more on BMSCI
BQA (Bid Questions and Answers Enterprise System) more on BQA
CAR (Crash Analysis Reporting) on-line more on CAR
CIM (Contract Information and Monitoring) more on CIM

Crash Analysis Reporting (CAR) on-line

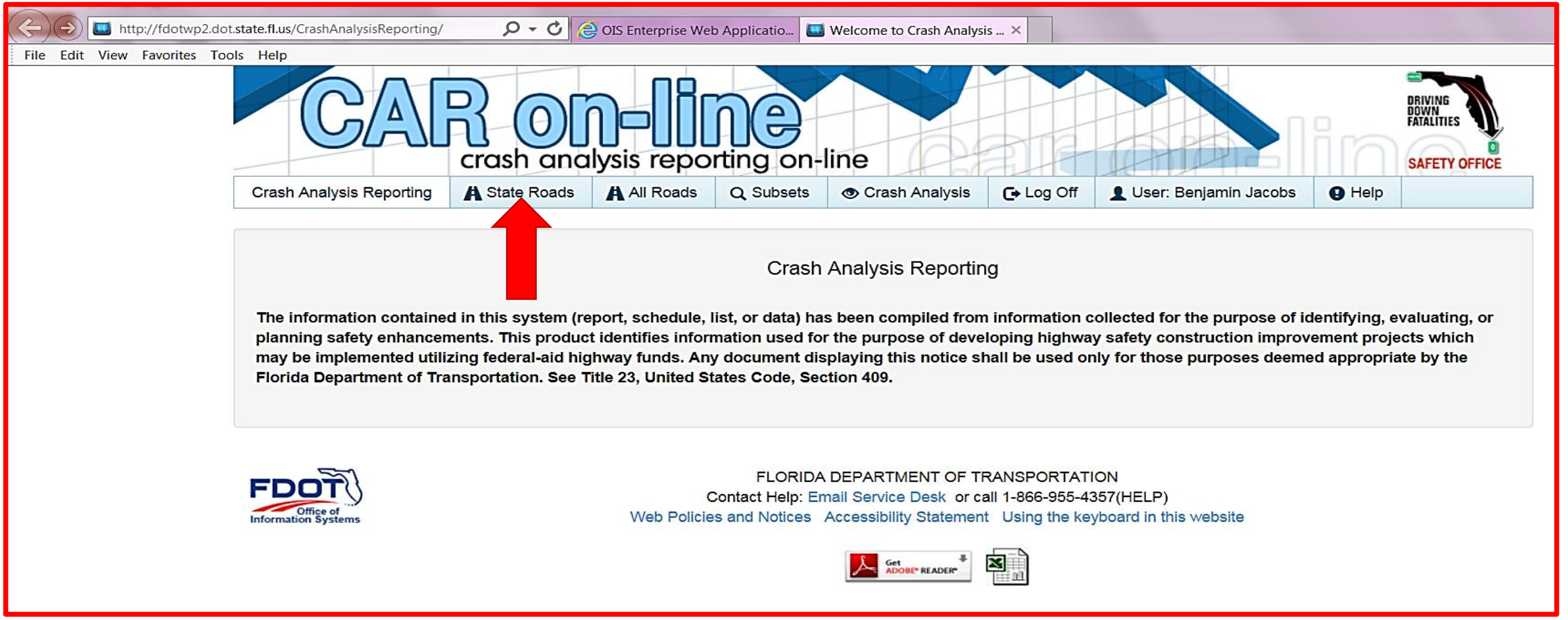
The Crash Analysis Reporting application is a database of Florida Traffic Crash Report (FTCR) data and reporting interface. The application allows the user to retrieve crash data from the database based on the location(s) of the crash(es) and to retrieve Safety Office crash analyses. The on-line application provides access to the FTCR data for crashes since January 1, 2011 in the post-2010 FTCR format. It is used to support the development of highway safety construction improvement projects which may be implemented utilizing federal-aid highway funds. The information contained in this system (report, schedule, list, or data) has been compiled from information collected for the purpose of identifying, evaluating, or planning safety enhancements and shall be used only for those purposes deemed appropriate by the Florida Department of Transportation (see Title 23, United States Code, Section 409). Crash data are updated daily by an automated transfer from the Florida Department of Highway Safety and Motor Vehicles and are processed by the FDOT State Safety Office in order to determine location coordinates for each crash. The data are used by many applications throughout the Department. Anyone who is authorized to use FDOT resources may access the application in a READ-ONLY mode; updates are restricted.

CAR on-line is an Intranet application. Access to CAR on-line requires a mainframe (RACF) userid and password.

Access the Crash Analysis Reporting On-line Application


http://fdotwp2.dot.state.fl.us/CrashAnalysisReporting/Account/
OIS Enterprise Web Applicatio...
Log In - Crash Analysis Rep...
File Edit View Favorites Tools Help
Log into Crash Analysis Reporting
User ID and Password cannot be longer than 8 characters.
User ID
mainframe_userid
Password
Accept
The information contained in this system (report, schedule, list, or data) has been compiled from information collected for the purpose of identifying, evaluating, or planning safety enhancements. This product identifies information used for the purpose of developing highway safety construction improvement projects which may be implemented utilizing federal-aid highway funds. Any document displaying this notice shall be used only for those purposes deemed appropriate by the Florida Department of Transportation. See Title 23, United States Code, Section 409.
Log In
Change Password

Querying by Location on the State Highway System



Definitions

Route: A designated motor-vehicle travel corridor with a state or federal roadway number

Roadway Identifier (roadway id): An eight-digit code number that identifies a unique segment of physical roadway in the FDOT's roadway inventory database

Definitions

Node: A five-digit code that identifies a single inventoried feature along a roadway, such as an intersection or a bridge end, and is used to anchor crash location reference information

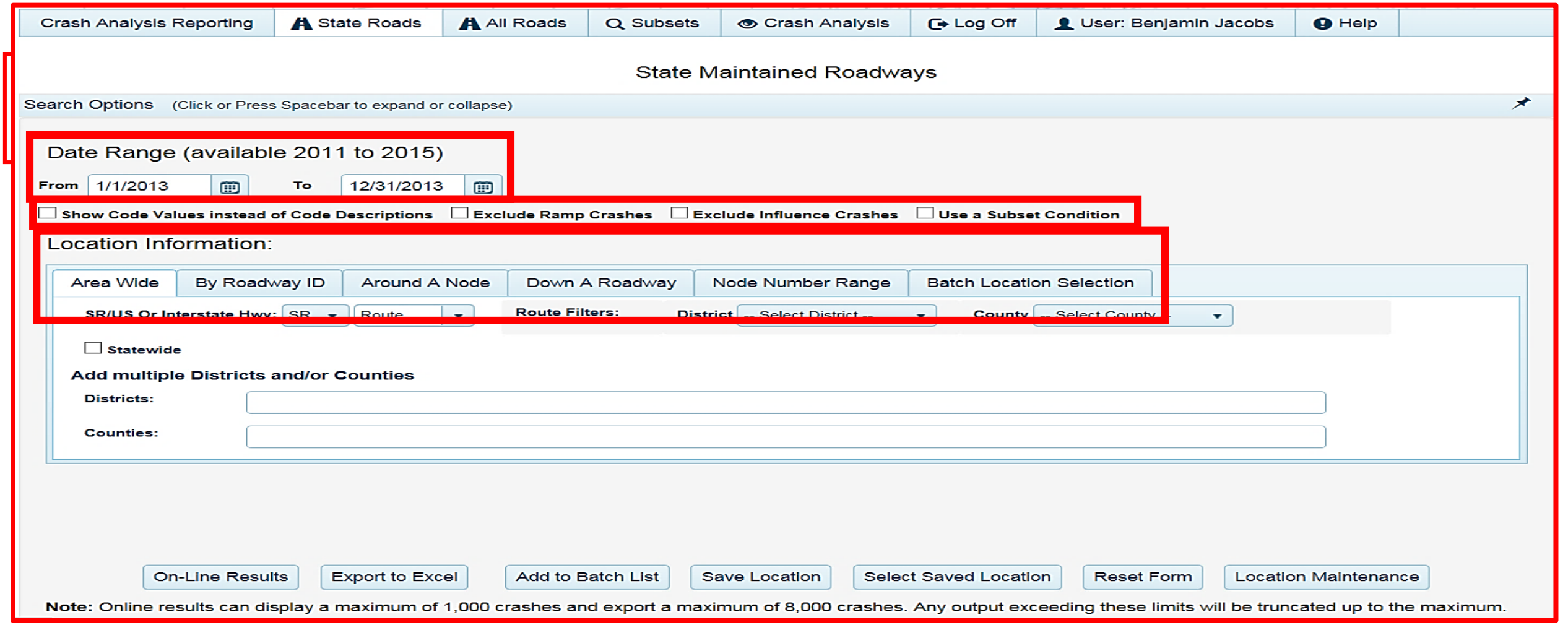
Mile-point: a measurement in miles (to 3 decimal places) of the relative distance between a crash location and the beginning of an inventoried roadway segment

Definitions

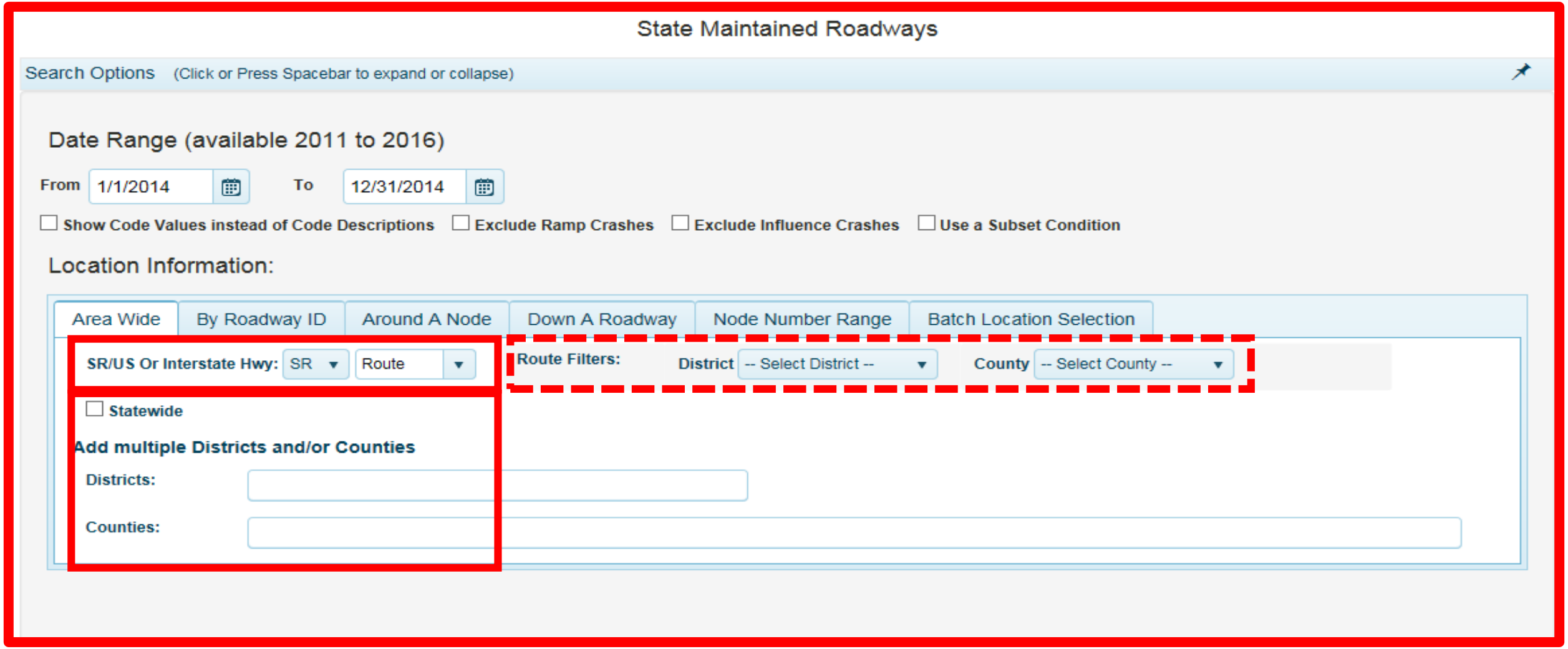
Influence Crashes: crashes on roads that intersect a route or road segment are included when they are within the area of influence of the intersection; 250 feet is the default distance for inclusion

Subset: "subset" refers to a set of filtering criteria based on values in the crash data tables that allow the user to screen for specific types of crashes

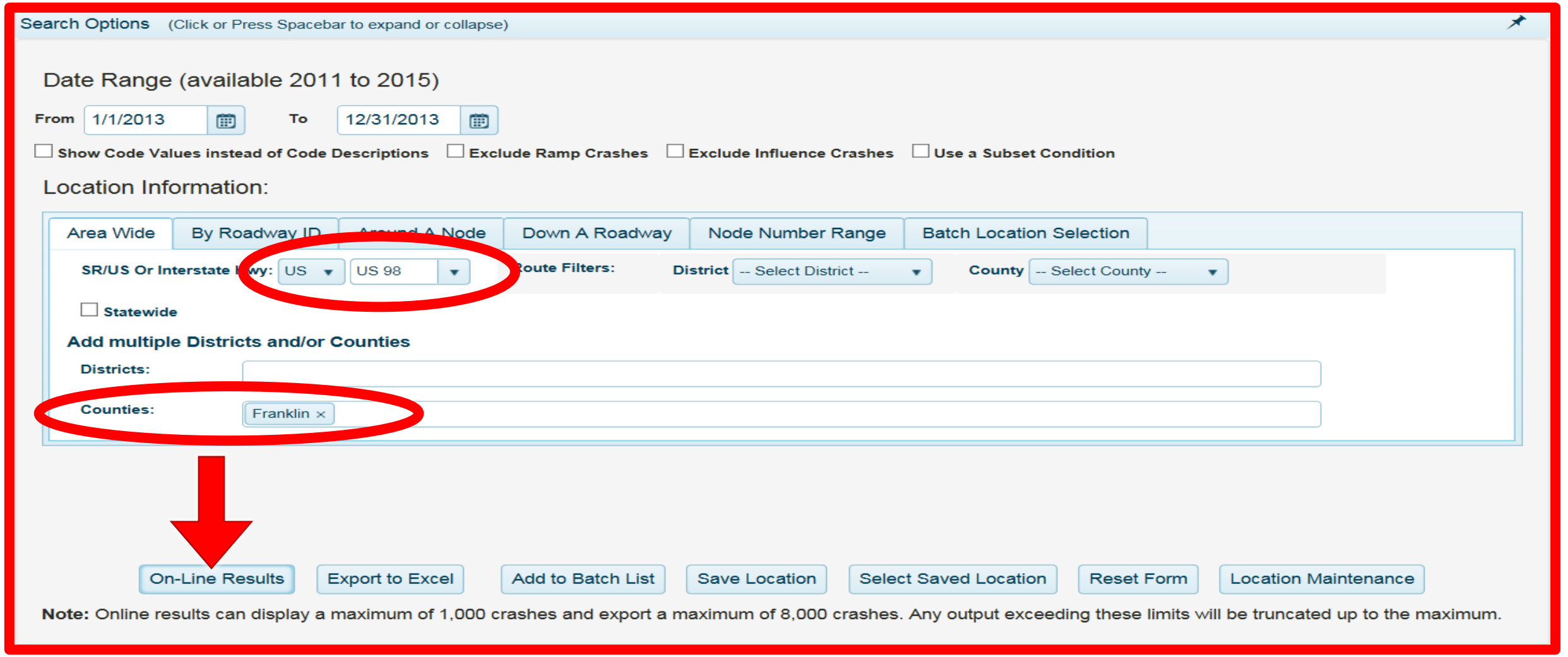
Querying by Location on the State Highway System



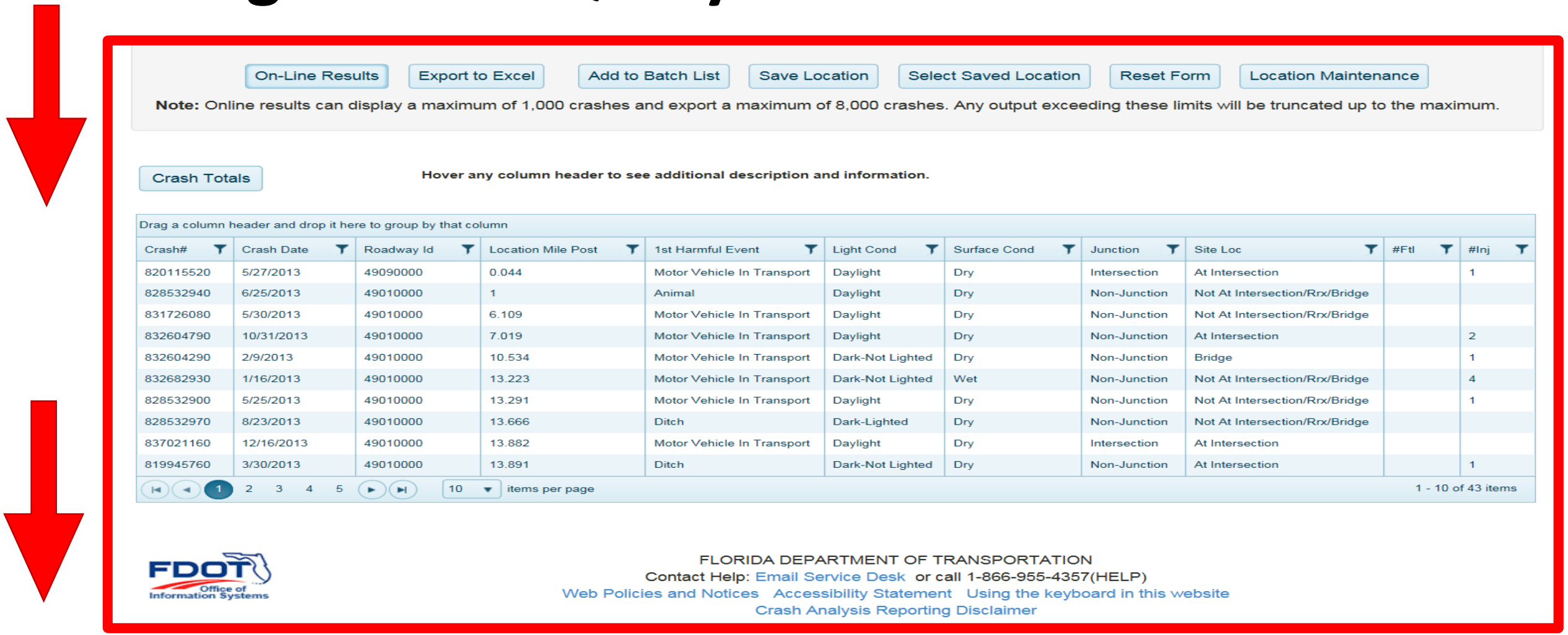
Querying by Location on the State Highway System



Querying by Location on the State Highway System



Viewing On-Line Query Results



On-Line Results | Export to Excel | Add to Batch List | Save Location | Select Saved Location | Reset Form | Location Maintenance

Note: Online results can display a maximum of 1,000 crashes and export a maximum of 8,000 crashes. Any output exceeding these limits will be truncated up to the maximum.

Crash Totals

Hover any column header to see additional description and information.

Drag a column header and drop it here to group by that column

Crash#	Crash Date	Roadway Id	Location Mile Post	1st Harmful Event	Light Cond	Surface Cond	Junction	Site Loc	#Ftl	#Inj
820115520	5/27/2013	49090000	0.044	Motor Vehicle In Transport	Daylight	Dry	Intersection	At Intersection		1
828532940	6/25/2013	49010000	1	Animal	Daylight	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		
831726080	5/30/2013	49010000	6.109	Motor Vehicle In Transport	Daylight	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		
832604790	10/31/2013	49010000	7.019	Motor Vehicle In Transport	Daylight	Dry	Non-Junction	At Intersection		2
832604290	2/9/2013	49010000	10.534	Motor Vehicle In Transport	Dark-Not Lighted	Dry	Non-Junction	Bridge		1
832682930	1/16/2013	49010000	13.223	Motor Vehicle In Transport	Dark-Not Lighted	Wet	Non-Junction	Not At Intersection/Rrx/Bridge		4
828532900	5/25/2013	49010000	13.291	Motor Vehicle In Transport	Daylight	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		1
828532970	8/23/2013	49010000	13.666	Ditch	Dark-Lighted	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		
837021160	12/16/2013	49010000	13.882	Motor Vehicle In Transport	Daylight	Dry	Intersection	At Intersection		
819945760	3/30/2013	49010000	13.891	Ditch	Dark-Not Lighted	Dry	Non-Junction	At Intersection		1

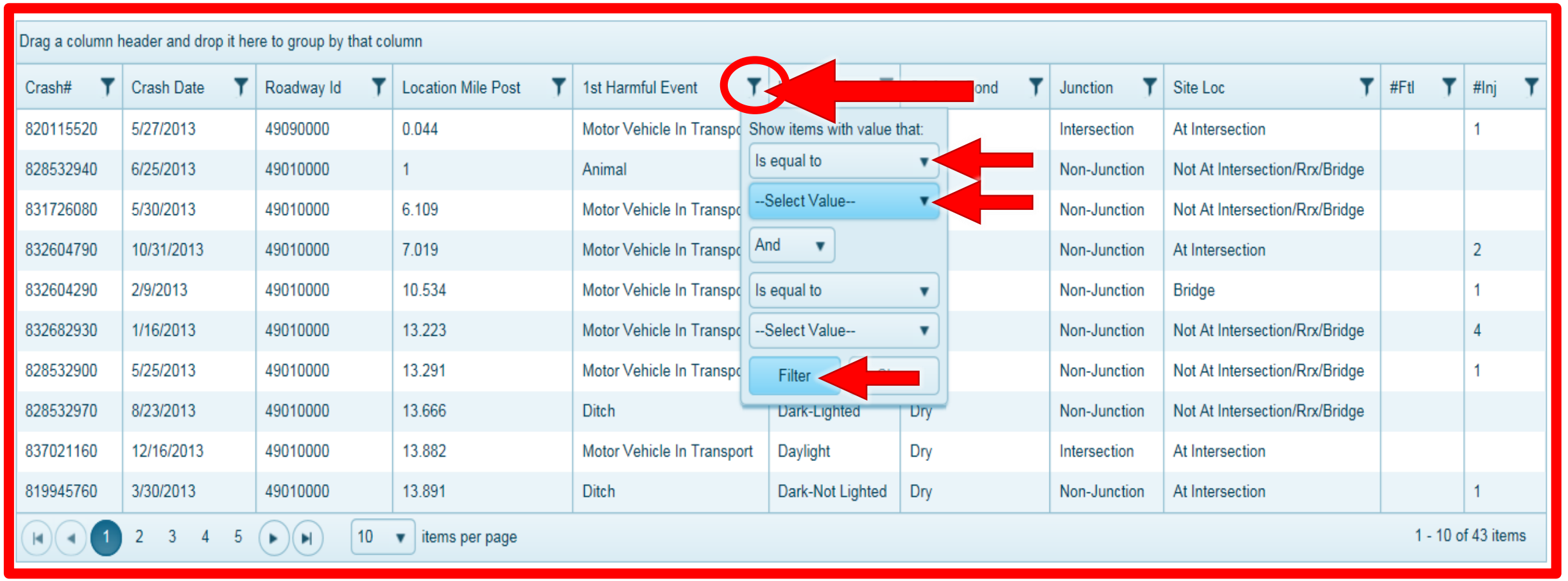
1 2 3 4 5 | 10 items per page | 1 - 10 of 43 items

FDOT Office of Information Systems

FLORIDA DEPARTMENT OF TRANSPORTATION
Contact Help: Email Service Desk or call 1-866-955-4357(HELP)
Web Policies and Notices Accessibility Statement Using the keyboard in this website
Crash Analysis Reporting Disclaimer

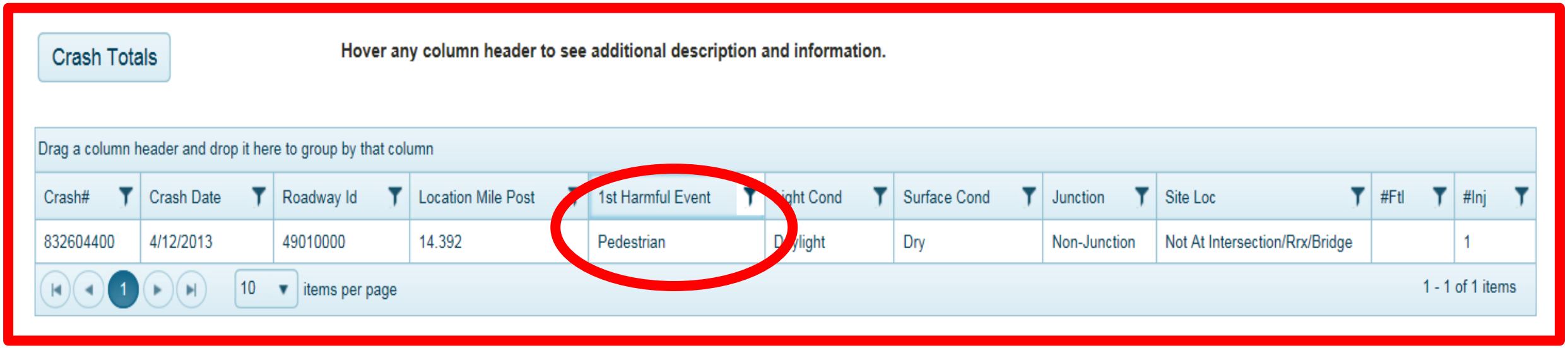
Viewing On-Line Query Results:

Filtering the Results On-Line



Viewing On-Line Query Results:

Filtering the Results On-Line



Viewing On-Line Query Results:

Grouping the Results On-Line

Crash Totals

Hover any column header to see additional description and information.

1st Harmful Event ×

Crash#	Crash Date	Roadway Id	Location Mile Post	1st Harmful Event	Manner Of Collision	Light Cond	Surface Cond	Site Loc	#Ftl	#Inj
1st Harmful Event: Animal										
820642940	11/14/2012	49010000	15.654	Animal	Other (See Narrative)	Dark-Not Lighted	Dry	Not At Intersection/Rrx/Bridge		
820112860	12/26/2012	49040000	0.622	Animal	Other (See Narrative)	Dark-Not Lighted	Dry	Not At Intersection/Rrx/Bridge		
828471890	6/27/2012	49040000	13.118	Animal	Other (See Narrative)	Dark-Not Lighted	Dry	Not At Intersection/Rrx/Bridge		
1st Harmful Event: Ditch										
828485400	7/18/2012	49090000	3.25	Ditch	Other (See Narrative)	Daylight	Wet	Not At Intersection/Rrx/Bridge		1
832604880	12/28/2012	49010000	15.647	Ditch	Other (See Narrative)	Dark-Not Lighted	Wet	At Intersection		

Viewing On-Line Query Results:

Crash Totals

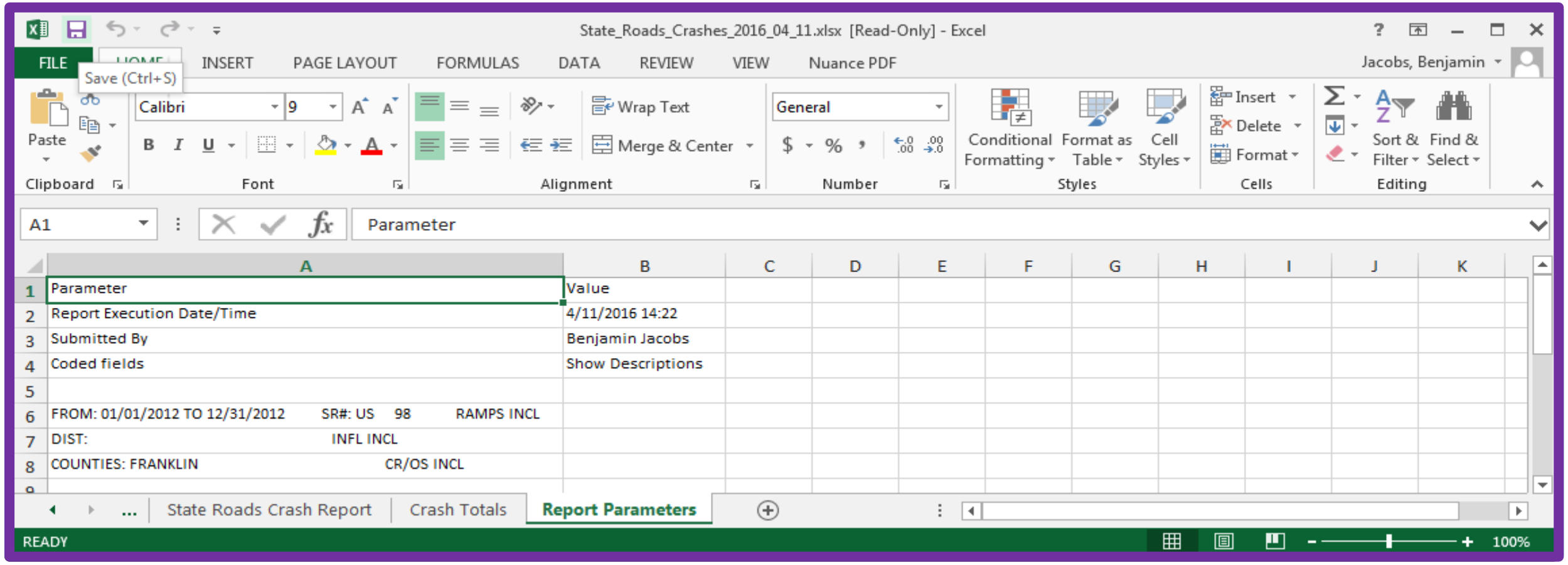
Crash Totals

Hover any column header to see the full column name.

Year	Fatal Crashes	Deaths	Injured	Injury Crashes	Injured	PDO Crashes	Total Crashes	Total Fatalities	Total Injured
2013	1	1	0	21	26	21	43	1	26
Totals	**1**	**1**	**0**	**21**	**26**	**21**	**43**	**1**	**26**

Viewing On-Line Query Results:

Export the On-Line Results to Excel



Activity: Find out how many crashes with a first event of "animal" (animal collision) occurred on US 98 in Franklin County in 2012.

Questions?

Activity

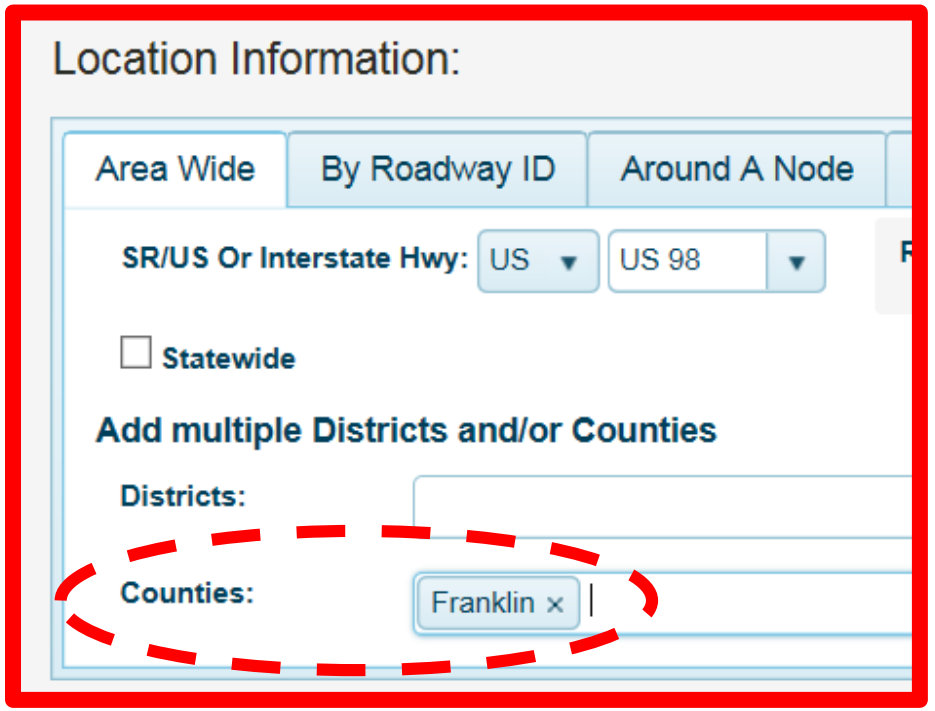
- Find out how many crashes with a first event of “animal” (animal collision) occurred on US 98 in Franklin County in 2012.
  - Change Date Range to Jan 1, 2012 through Dec 31, 2012

Activity

- How many animal crashes on US 98 in Franklin in 2012?
  - Set roadway to “US 98”

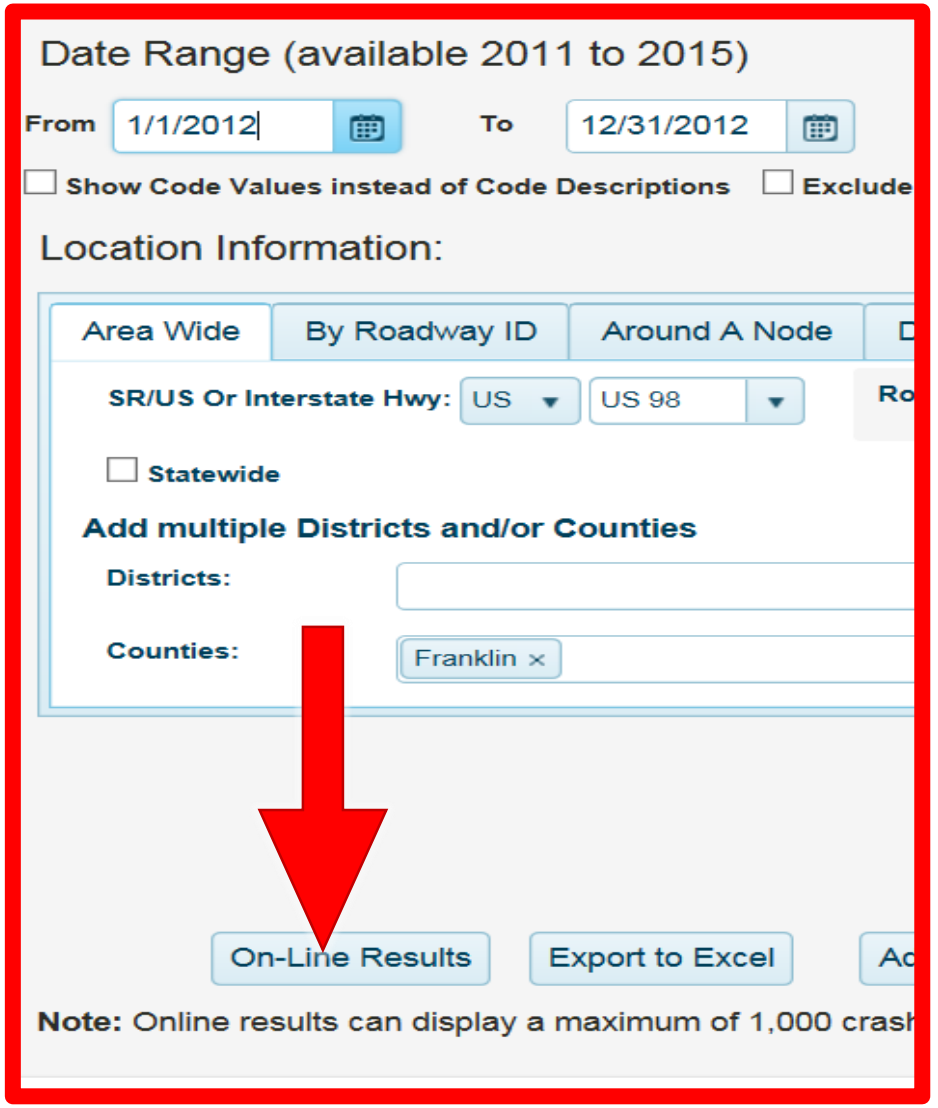
Activity

- How many animal crashes on US 98 in Franklin in 2012?
  - Set county to “Franklin”



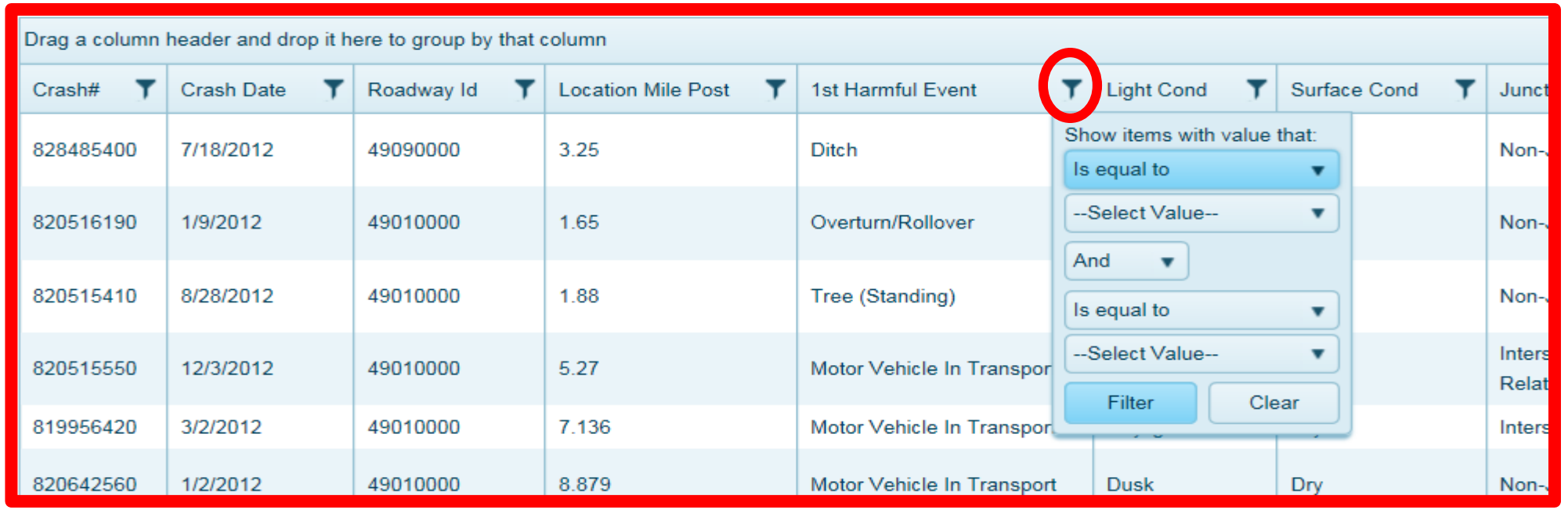
Activity

- How many animal crashes on US 98 in Franklin in 2012?
  - Click <On-Line Results>



Activity

- How many animal crashes on US 98 in Franklin in 2012?
  - Filter column "1st Harmful Event" by value "Animal"



Drag a column header and drop it here to group by that column

Crash#	Crash Date	Roadway Id	Location Mile Post	1st Harmful Event	Light Cond	Surface Cond	Junct
828485400	7/18/2012	49090000	3.25	Ditch			Non-
820516190	1/9/2012	49010000	1.65	Overturn/Rollover			Non-
820515410	8/28/2012	49010000	1.88	Tree (Standing)			Non-
820515550	12/3/2012	49010000	5.27	Motor Vehicle In Transpor			Inters Relat
819956420	3/2/2012	49010000	7.136	Motor Vehicle In Transpor			Inters
820642560	1/2/2012	49010000	8.879	Motor Vehicle In Transport	Dusk	Dry	Non-

Show items with value that:
Is equal to
--Select Value--
And
Is equal to
--Select Value--
Filter
Clear

Activity

- Find out how many crashes with a first event of “animal” (animal collision) occurred on US 98 in Franklin County in 2012.
  - ANS: 3 crashes

Drag a column header and drop it here to group by that column

Crash#	Crash Date	Roadway Id	Location Mile Post	1st Harmful Event	Light Cond	Surface Cond	Junction	Site Loc	#Ftl	#Inj
820642940	11/14/2012	49010000	15.654	Animal	Dark-Not Lighted	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		
820112860	12/26/2012	49040000	0.622	Animal	Dark-Not Lighted	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		
828471890	6/27/2012	49040000	13.118	Animal	Dark-Not Lighted	Dry	Non-Junction	Not At Intersection/Rrx/Bridge		

1 | 10 items per page | 1 - 3 of 3 items

Demonstration & Questions

Next FDOT Webinars:

- GIS Data Analysis (May 19, 2016)
- SSOGis Query Tool (June 23, 2016)

Further Questions?

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(850) 414-4075 shaun.davis@dot.state.fl.us