

Florida Department of Transportation State Safety Office

Traffic Safety Web Portal

<http://www2.dot.state.fl.us/TrafficSafetyWebPortal>

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Crash Records and Research Administrator: Benjamin Jacobs

Traffic Crash Data Flow

- Law Enforcement: Florida Traffic Crash Report (FTCR)
- Department of Highway Safety and Motor Vehicles (DHSMV) – official custodian of FTCCR data
- Copies of Crash Report Data sent to:
 - Appriss, Inc.
 - Florida's Integrated Report Exchange System (FIRES)
 - University of Florida
 - Signal 4 Analytics
 - Florida Department of Transportation, State Safety Office (SSO)
 - Crash Analysis Reporting System (CAR)

Traffic Crash Data

- FDOT SSO CAR database:
 - Crash reports are evaluated:
 - SSO pulls certain data from database for internal purposes
 - Verifies location information and adds location coordinates
 - Crash data with location are used to screen for areas where safety improvements can be most effective



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Web Application

FLORIDA TRAFFIC SAFETY PORTAL

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Welcome

This web portal is developed and maintained by the State Safety Office of the Florida Department of Transportation. Its purpose is to serve as a central location for the exchange and sharing of tools, data, information, and ideas among the traffic safety professionals in Florida.

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News

Posted on 3/21/2014

Updated Crash Shapefiles are Posted in the Unified Basemap Repository

*Note: Errors were discovered in the Vehicle and Occupant level off-system shapefiles originally posted on 3/21/14. Corrected files were posted on 4/15/14. Please check your files to ensure you have the

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SSOGis - State Safety Office Map Based Query Tool

ARCA - All Roads Crash Analysis

CRASH - Crash Reduction Analysis System Hub

SHSP - Strategic Highway Safety Plan - Tracking Tool

SHSP - Strategic Highway Safety Plan - Implementation Reports

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Quick Links

SSO - State Safety Office

BTS - Bureau of Transportation Statistics (USDOT)

CARE - Critical Analysis Reporting Environment (University of Alabama)

DHSMV - Florida Department of Highway Safety and Motor Vehicles

FARS - Fatality Analysis Reporting System (NHTSA)

FHWA Safety - Federal Highway Administration

HSM - Highway Safety Manual (AASHTO)

NHTSA - National Highway Traffic Safety Administration

SafetyAnalyst

USDOT - United States Department of Transportation



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Public Access to Crash Data

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- SSOGIS – State Safety Office Map-Based Query Tool
 - Map-based query tool shows crash data at locations
 - Allows users to search by location and to filter by crash characteristics
- ARCA – All Roads Crash Analysis
 - Displays crash location analysis data in tabular format
 - Portion of analysis locations with highest numbers of crashes are shown
 - FDOT safety engineers and local governments can comment



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All Roads Crash Analysis (ARCA)

The screenshot shows the FDOT website header with the logo and navigation menu. Below the header, the 'Web Application' section is titled 'Florida Traffic Safety Portal / ARCA'. A sidebar on the left contains a menu with options: ARCA, High Crash Locations, SAFETEA-LU Report Analysis, and Home. The main content area displays the 'ARCA - All Roads Crash Analysis' page, which includes a detailed description of the program and a list of required report items.

ARCA

High Crash Locations

SAFETEA-LU Report Analysis

Home

ARCA

High Crash Locations

SAFETEA-LU Report Analysis

Home

ARCA - All Roads Crash Analysis

Section 1401 of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (Public Law 109-59) amended Section 148 of Title 23, United States Code, to create a new Highway Safety Improvement Program (HSIP) as one of the Federal Highway Administration's "core" programs. The purpose of the HSIP is to reduce traffic fatalities and serious injuries on public roads.

As part of the new HSIP, states are required to submit an annual report describing not less than 5 percent of their highway locations exhibiting the most severe safety needs. The intent of this provision is to raise public awareness of the highway safety needs and challenges in the states.

In addition to listing the locations, the states' reports are to include:

- Potential remedies to the hazardous locations identified;
- Estimated costs of the remedies, and
- Impediments to implementation of the remedies other than costs.

Protection from Discovery and Admission into Evidence - Under 23 U.S.C. 148(g)(4) information collected or compiled for any purpose directly relating to this report shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location identified or addressed in the reports.



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ARCA: High Crash Locations

The screenshot shows the FDOT website header with the logo and navigation menu. Below the header, the 'Web Application' section is titled 'High Crash Locations'. The main content area includes a search bar and a set of filters for selecting crash data. A red box highlights the filter section, which includes a title, instructions, and dropdown menus for Year, Type, Source, District, and County. A sidebar on the left contains navigation links for ARCA, High Crash Locations, SAFETEA-LU Report Analysis, and Home.

High Crash Locations

Select limiting criteria from dropdowns to list results. Intersections that fall on reported segments were removed from the Intersection list.

Year: 2011 Type: Segment Source: All District: All County:

High Crash Locations

Select limiting criteria from dropdowns to list results. Intersections that fall on reported segments were removed from the Intersection list.

Year: 2011 Type: Segment Source: All District: All County:

Select a criteria for each field.



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ARCA: High Crash Locations

High Crash Locations

Select limiting criteria from dropdowns to list results. Intersections that fall on reported segments were removed from the Intersection list.

Year: Type: Source: District: County:

Dist	RdwyID	BMP	EMP	Road Name	No. of Crashes	AADT	Fatalities	Injuries	PDO	MapID
5	75002000	0.000	0.220	SR 482 (BEACHLINE EXP)	292	47095	1	213	167	View SS575-018
5	75002000	0.220	0.682	SR 482 (BEACHLINE EXP)	259	41292	1	154	165	View SS575-023
5	75002000	2.810	3.280	SR 482 (BEACHLINE EXP)	188	45651	0	143	106	View SS575-051
5	75002000	1.506	1.618	SR 482 (BEACHLINE EXP)	194	44597	0	199	125	View SS575-049



ARCA: High Crash Locations

High Crash Location

Location and Analysis:

District: 5
County: 75 - ORANGE
Roadway ID: 75002000
Begin Milepoint: 0.000
End Milepoint: 0.220
Roadway Name: SR 482 (BEACHLINE EXP)
Roadway Category: 30
AADT: 47095
Crash Count: 292
Fatality Count: 1
Injury Count: 213
Non Injury Count: 167
Crash Rate: 15.44241
Avg Crash Rate: 2.23003

Analysis Parameters:

Data Source: SS - State Segment
Analysis Year: 2011
From Year: 2007
To Year: 2011
Analysis Length: 0.300 mi
Analysis Step Length: 0.100 mi
Region: DISTRICT
Min Crash Count: 8
Top % Selected: 5.00 %
Min Results Per County: 0



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Fatalities	Injuries	PDO	MapID
1	213	107	View \$S575-018



Potential Remedies (Text limit is 4000 or less; defaults are used for null values):

[info:2010-75002000-0-.22] Adding lanes
Pedestrian features at signal|[info:2010-75002000-.22-.682] Adding lanes

Estimated Cost:

Implementation Impediments (Text limit is 4000 or less; defaults are used for null values):

[info:2010-75002000-.22-.682] Unknown|[info:2010-75002000-0-.22] Unknown

Comments (Text limit is 4000 or less):

[info:2010-75002000-0-.22] 2009: 407143-4 ADD LANES & RECONSTRUCT 2014
Letting date
428584-1 complete 2011 Pedetriam Safety|[info:2010-75002000-.22-.682] 2009:
407143-4 ADD LANES & RECONSTRUCT 2014 Letting date

ARCA: High Crash Locations

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Web Application

SSOGis

Projects Disclaimer

Data Disclaimer

The information presented on the Florida Traffic Safety Web Portal has been compiled from information collected for the purpose of identifying, evaluating or planning safety enhancements. It is used to develop highway safety construction improvements projects which may be implemented utilizing Federal Aid Highway funds. Any product displaying this notice or provided by the FDOT SSO or derived from the Florida Traffic Safety Web Portal shall be used only for the purposes deemed appropriate by the Florida Department of Transportation. See Title 23, United States Code, Section 409. The High Crash Segments and High Crash Intersections are the result of SSO crash rate analysis processes and are not intended to be complete or exhaustive and their inclusion here does not imply any particular ranking or limitation. Crash reports that reveal the personal information concerning the



Fatalities	Injuries	PDO	MapID
1	213	167	View SS575-018

Segments (2011) - [1 of 1] X

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

OBJECTID	XID	YEAR_MAP_ID	Year	MAP_ID	Road Type	District	County Name	County	Roadway	RMP	FMP	Road	Category	AADT
> 826	1493	2011SS575-018	2011	SS575-018	SS		ORANGE	75	75002000	0	0.22	SR 482 (BEACHLINE EXP)	30	47095



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SSOGis - State Safety
Office Map Based Query
Tool

ARCA - All Roads Crash
Analysis

CRASH - Crash
Reduction Analysis



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System Hub

SHSP - Strategic

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Crashes Projects

Map Reset

Crash Filters

Calendar Year (Pre 2012)*:
All, choose at most five

Crash Date*:
From [] to []

Crash Time:
From [] to []

Injury Severity:
All

Harmful Event 1:
All

Driver Contrib. Cause 1:
All

DOT District & County:
All

DHSMV City:
All

Crash Class:
All

Driver Behavior:
All

[Show More](#)

Legend

Crashes Projects

Map Reset

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Calendar Year (Pre 2012)*:
All, choose at most five

Crash Date*:
From [] to []

Crash Time:
From [] to []

Injury Severity:
All

Harmful Event 1:
All

Driver Contrib. Cause 1:
All

DOT District & County:
All

DHSMV City:
All

Crash Class:
All

Driver Behavior:
All

SSOGis: State Safety Office Map-Based Query Tool



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Crash Filters

Calendar Year (Pre 2012)*: 2010

Crash Date*: From to

Crash Time: From to

Injury Severity: 5 Fatal(within 30 Days) Injury, 4 Incapacitating Injury

Harmful Event 1: 11 Coll. W/ Bicycle, 12 Coll. W/ Bicycle (bike Lane)

Driver Contrib. Cause 1: All

DOT District & County: 75 Orange

DHSMV City: All

Crash Class: All

Driver Behavior: All

Legend

Crash Query - [21 of 21]

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

Object Id	Calendar Year	Crash Number	Case Number	Reporting Agency Type	District	County	Date	Time	Day	DHSMV City	In Town	On R
> 85880	2010	707154610	201000022877	CPD	05	Orange	07/04/2010	1756	SUNDAY	0742	Y	1706
122034	2010	806405530	FHPD10OFF094814	FHP	05	Orange	10/24/2010	1343	SUNDAY	Unincorporated, Hendry	N	RAVE
164065	2010	818073540	201000503430	CPD	05	Orange	10/25/2010	1733	MONDAY	0746	Y	2203

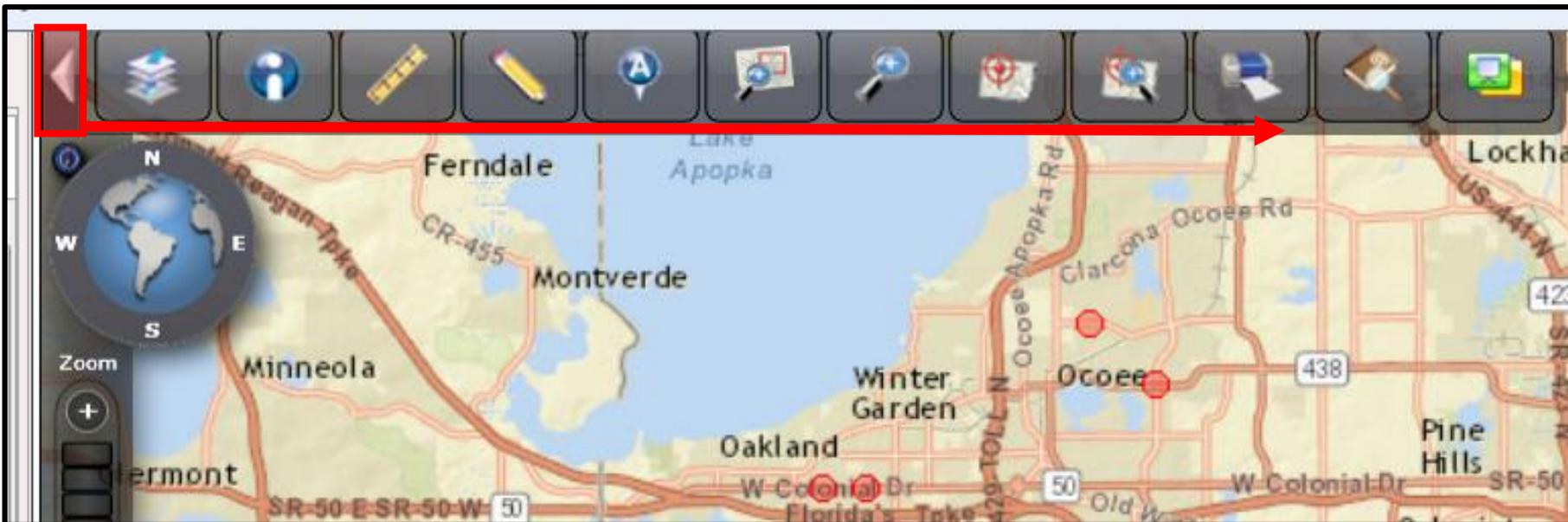
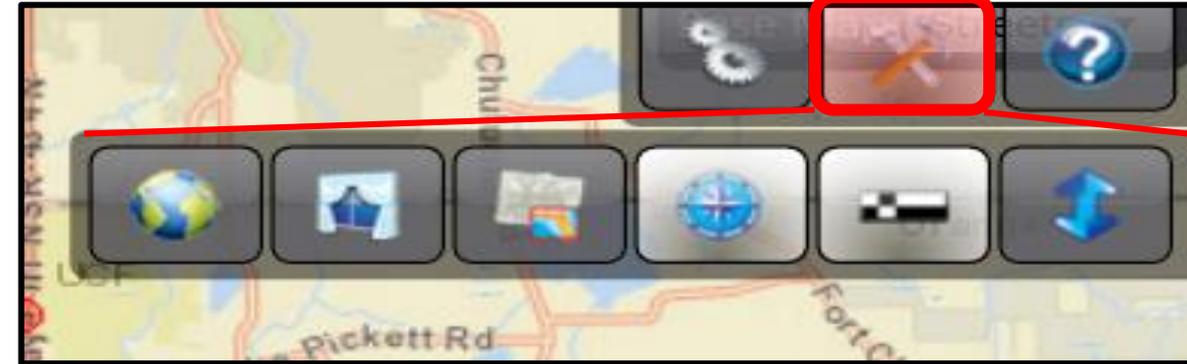
Clear Filters

SSOGis: State Safety Office Map-Based Query Tool



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- Click to expand toolbars
- Filter data in the table view at the bottom of the screen
- Data export and charting tools



A screenshot of the table view. The table has columns for 'In Town' and 'On R'. The bottom toolbar is circled in red, containing a 'Clear Filters' button with a red 'X' icon, a bar chart icon, and a gear icon.

	In Town	On R
	Y	1706
ndry	N	RAVE
v		2201

SSOGis: State Safety Office Map-Based Query Tool



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- Enter filtering criteria in the window at the left
- Click the <Map> button to see the results in the map window

Crash Filters

Calendar Year (Pre 2012)*: 2010

Crash Date*: From [] to []

Crash Time: From [] to []

Injury Severity: 5 Fatal(within 30 Days) Injury , 4 Incapacitating Injury

Harmful Event 1: 11 Coll. W/ Bicycle , 12 Coll. W/ Bicycle (bike Lane)

Driver Contrib. Cause 1: All

DOT District & County: 75 Orange

Crashes Projects

Map Reset

Crash Filters

Calendar Year (Pre 2012)*: 2010

Crash Date*: From [] to []

Crash Time: From [] to []

Injury Severity: 5 Fatal(within 30 Days) Injury , 4 Incapacitating Injury

Harmful Event 1: 11 Coll. W/ Bicycle , 12 Coll. W/ Bicycle (bike Lane)

Driver Contrib. Cause 1: All

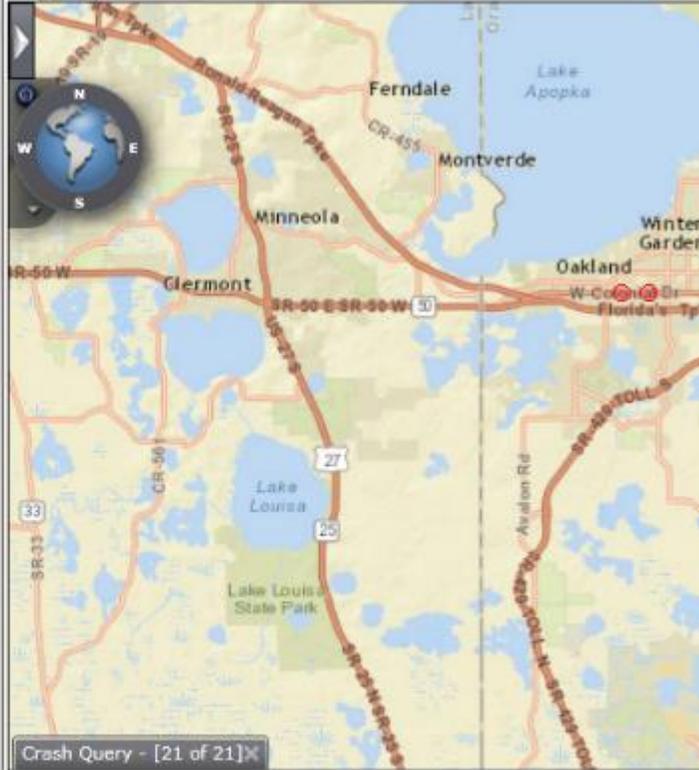
DOT District & County: 75 Orange

DHSMV City: All

Crash Class: All

Driver Behavior: All

Legend



Crash Query - [21 of 21] X

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

Object Id	Calendar Year	Crash Number	Case Number
707100	2010	910528840	2010210373
767557	2010	914734130	2010206708
772079	2010	917970030	2010314650

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Crash Query - [427 of 427] X

Crash Query - [21 of 21] X

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

	Object Id	Calendar Year	Crash Number	Case Number	Reporting Agency Type	District	County	Date	Time
>	85880	2010	707154610	201000022877	CPD	05	Orange	07/04/2010	1756
	122034	2010	806405530	FHPD10OFF094814	FHP	05	Orange	10/24/2010	1343
	154065	2010	818072540	201000503420	CPD	05	Orange	10/25/2010	1732

- Touch a row in the table to identify the corresponding crash
- Hover over a crash point on the map to highlight its row in the table and to display the crash number

SSOGis: State Safety Office Map-Based Query Tool



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Crash Query - [21 of 21]

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

Object Id	Calendar Year	Crash Number	Case Number	Reporting Agency Type	District	County	Date	Time	Day	DHSMV City	In Town	On Roadway Name
713403	2010	815003000	FRPD10OFF112553	FRP	03	Orange	12/24/2010	2210	FRIDAY	Unincorporated, Henry	N	SEMINOLE BLVD
718748	2010	908153500	2010042286	CPD	05	Orange	01/26/2010	0811	TUESDAY	0746	Y	CURRY FORD RD
727729	2010	111111560	WGPD10OFF000336	CPD	05	Orange	01/22/2010	1719	FRIDAY	0752	Y	SR 50

- Tab title shows results count
- Use column filtering or drag column to header to group by column
- Codes dictionary is linked at top of frame



Crash Query - [21 of 21]

Grouped by: Reporting Agency Type

Object Id	Calendar Year	Crash Number	Case Number	Reporting Agency Type	District	County	Date	Time	Day	DHSMV City	In Town	On Roadway Name
^ CPD												
85880	2010	707154610	201000022877	CPD	05	Orange	07/04/2010	1756	SUNDAY	0742	Y	1706 ADAIR ST
164065	2010	919972540	201000502420	CPD	05	Orange	10/25/2010	1722	MONDAY	0746	Y	2201 E MICHIGAN ST

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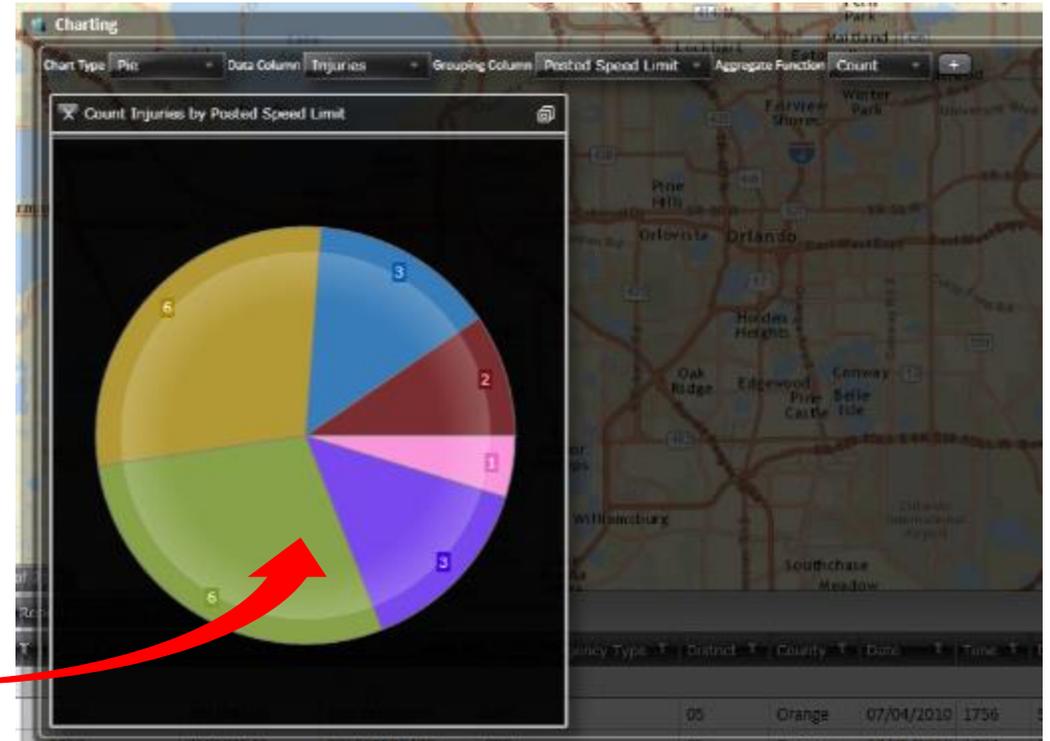
Data Visualizers

- All Graphics
- Cluster Graphics
- Heat Map

Data Exporters

- Shape File
- Word
- Excel

- Tools in lower right allow export in Excel or as a shapefile
- Can change display to cluster or heat map
- Charting function converts data to chart or graph



Questions?

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