Florida Department of Transportation
State Safety Office

Traffic Safety Web Portal
http://www2.dot.state.fl.us/TrafficSafetyWebPortal

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Traffic Crash Data Flow

- Law Enforcement: Florida Traffic Crash Report (FTCR)
- Department of Highway Safety and Motor Vehicles (DHSMV) – official custodian of FTCR 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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Public Access to Crash Data

- **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
All Roads Crash Analysis (ARCA)
ARCA: High Crash Locations

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## ARCA: High Crash Locations

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

<table>
<thead>
<tr>
<th>Dist</th>
<th>RdwyID</th>
<th>BMP</th>
<th>EMP</th>
<th>Road Name</th>
<th>No. of Crashes</th>
<th>AADT</th>
<th>Fatalities</th>
<th>Injuries</th>
<th>PDO</th>
<th>MapID</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>75002000</td>
<td>0.000</td>
<td>0.220</td>
<td>SR 482 (BEACHLINE EXP)</td>
<td>292</td>
<td>47095</td>
<td>1</td>
<td>213</td>
<td>167</td>
<td><a href="#">View SS575-018</a></td>
</tr>
<tr>
<td>5</td>
<td>75002000</td>
<td>0.220</td>
<td>0.682</td>
<td>SR 482 (BEACHLINE EXP)</td>
<td>259</td>
<td>41292</td>
<td>1</td>
<td>154</td>
<td>165</td>
<td><a href="#">View SS575-023</a></td>
</tr>
<tr>
<td>5</td>
<td>75002000</td>
<td>2.810</td>
<td>3.280</td>
<td>SR 482 (BEACHLINE EXP)</td>
<td>188</td>
<td>45651</td>
<td>0</td>
<td>143</td>
<td>106</td>
<td><a href="#">View SS575-051</a></td>
</tr>
<tr>
<td>5</td>
<td>75002000</td>
<td>4.580</td>
<td>4.840</td>
<td>SR 482 (BEACHLINE EXP)</td>
<td>104</td>
<td>44575</td>
<td>0</td>
<td>149</td>
<td>125</td>
<td><a href="#">View SS575-048</a></td>
</tr>
</tbody>
</table>
ARCA: High Crash Locations

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Potential Remedies:
- Adding lanes
- Pedestrian features at signal

Estimated Cost: 0.00

Implementation Impediments:
- Unknown
- Unknown

Comments:
- 2009: 407143-4 ADD LANES & RECONSTRUCT 2014 Letting date
- 428584-1 complete 2011 Pedestrian Safety
ARCA: High Crash Locations

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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

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SSOGis: State Safety Office Map-Based Query Tool

- Enter filtering criteria in the window at the left
- Click the <Map> button to see the results in the map window
SSOGeis: State Safety Office Map-Based Query Tool

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- 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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- 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
**SSOGis: State Safety Office Map-Based Query Tool**

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- 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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