

**DISTRICT 7  
WEB CRASH DATA MANAGEMENT SYSTEM  
AND STUDY TRACKING**

Friday, October 24<sup>th</sup> 2014

Anthony Chaumont, P.E.

TRANSPORTATION

PLANNING / DESIGN

TRANSIT

PUBLIC FINANCE

**GREAT INSIGHTS.  
GREATER OUTCOMES.**



# District 7 Web Crash Data Management System and Study Tracking

## Topics

- *Firm Overview and Experience*
- *Data Processing*
- *WebCDMS Overview*

# District 7 Web Crash Data Management System and Study Tracking

## Our Firm

- *Founded in 1989*
- *Local Government oriented (continuing services)*
- *4 Service Areas*
  - Transportation
  - Planning/Design
  - Transit
  - Public Finance

# Crash Data Management Experience

1999 - 2002

Integration of Collision Diagram Software with  
“Heads-Up” Data Entry System

2002 - 2005

Desktop GIS Mapping  
Some Automation and Reporting

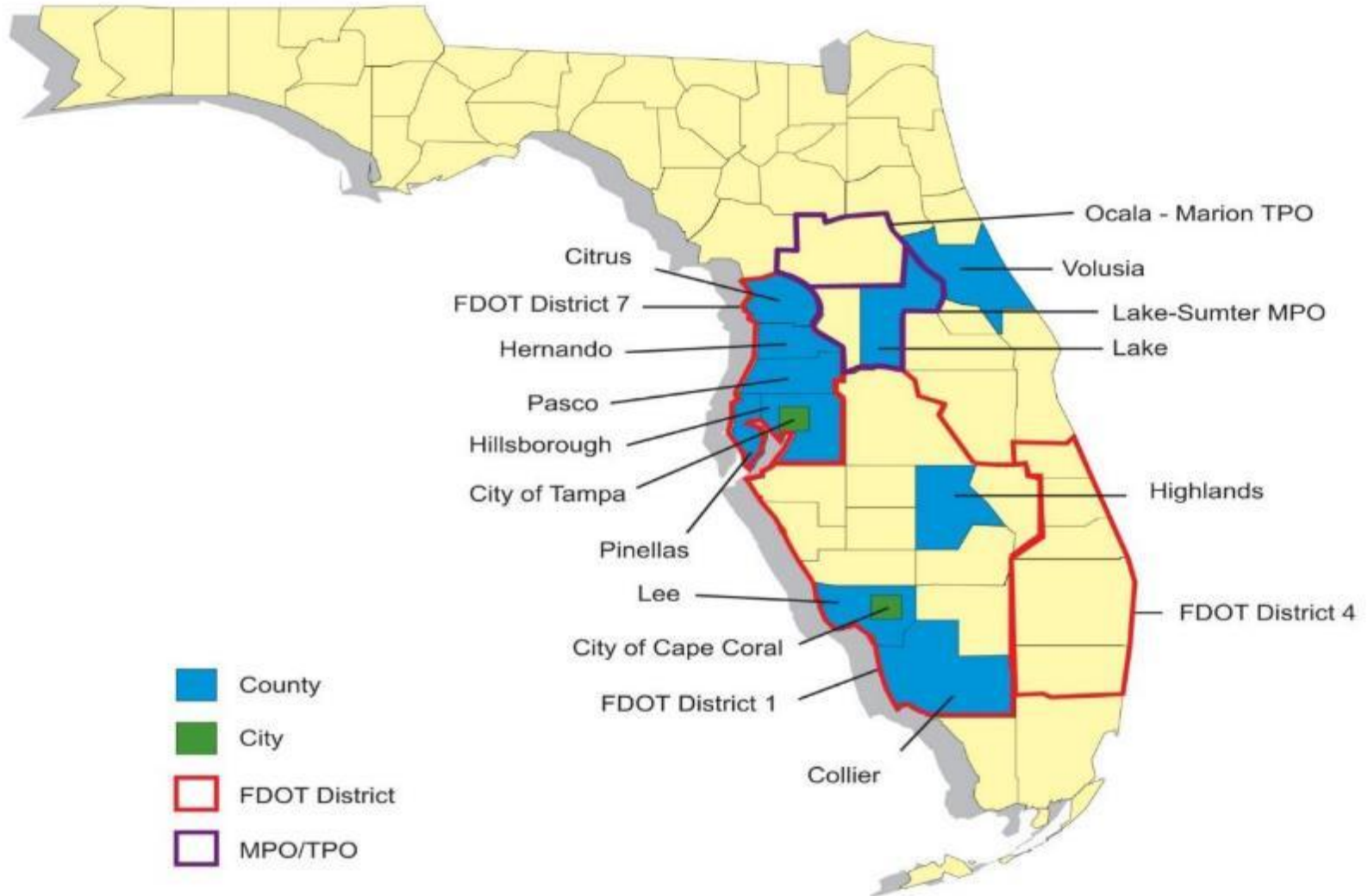
2005 - 2010

Desktop **Crash Data Management System**  
(Suite of GIS, Reporting, and Analysis Tools)

2010 - 2012

**WebCDMS:** Web-based GIS Analysis Tools and  
Turn-key Crash Records Management

# Crash Data Management Experience

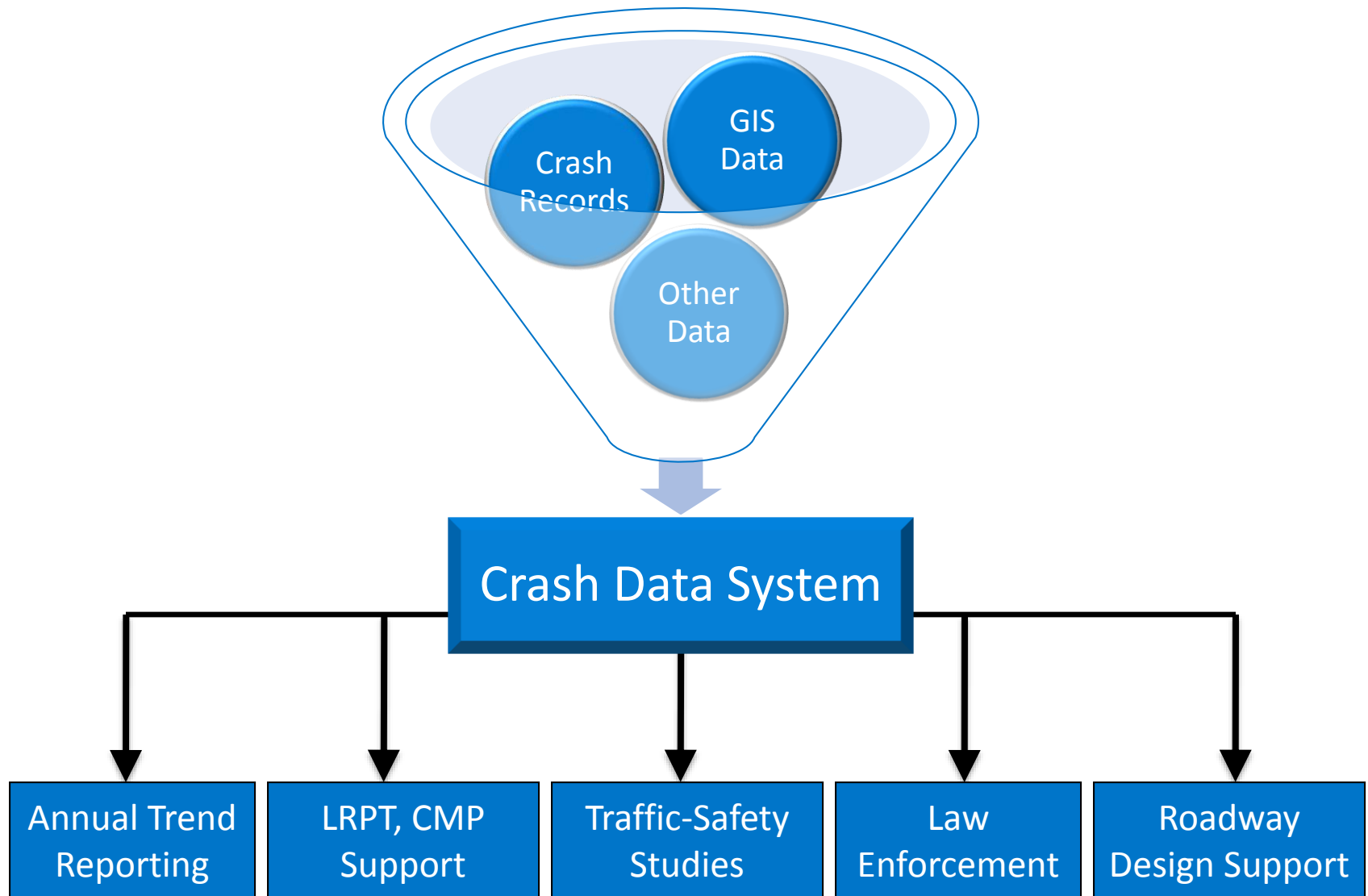


# District 7 Web Crash Data Management System and Study Tracking

## Topics

- *Firm Overview and Experience*
- **Data Processing**
- *WebCDMS Overview*

# Data Processing



# Data Processing

## Information System Overview

- *Multiple Data Imports*
- *Extensive Pre-Processing*
- *Data Management Staff*
- *Geo-Locating*



# WebCDMS Overview

## Florida Crash Report Form

- Major re-write of Crash Report form in 2010
- TindaleOliver anticipated needs
- Developed forward-compatible data structure

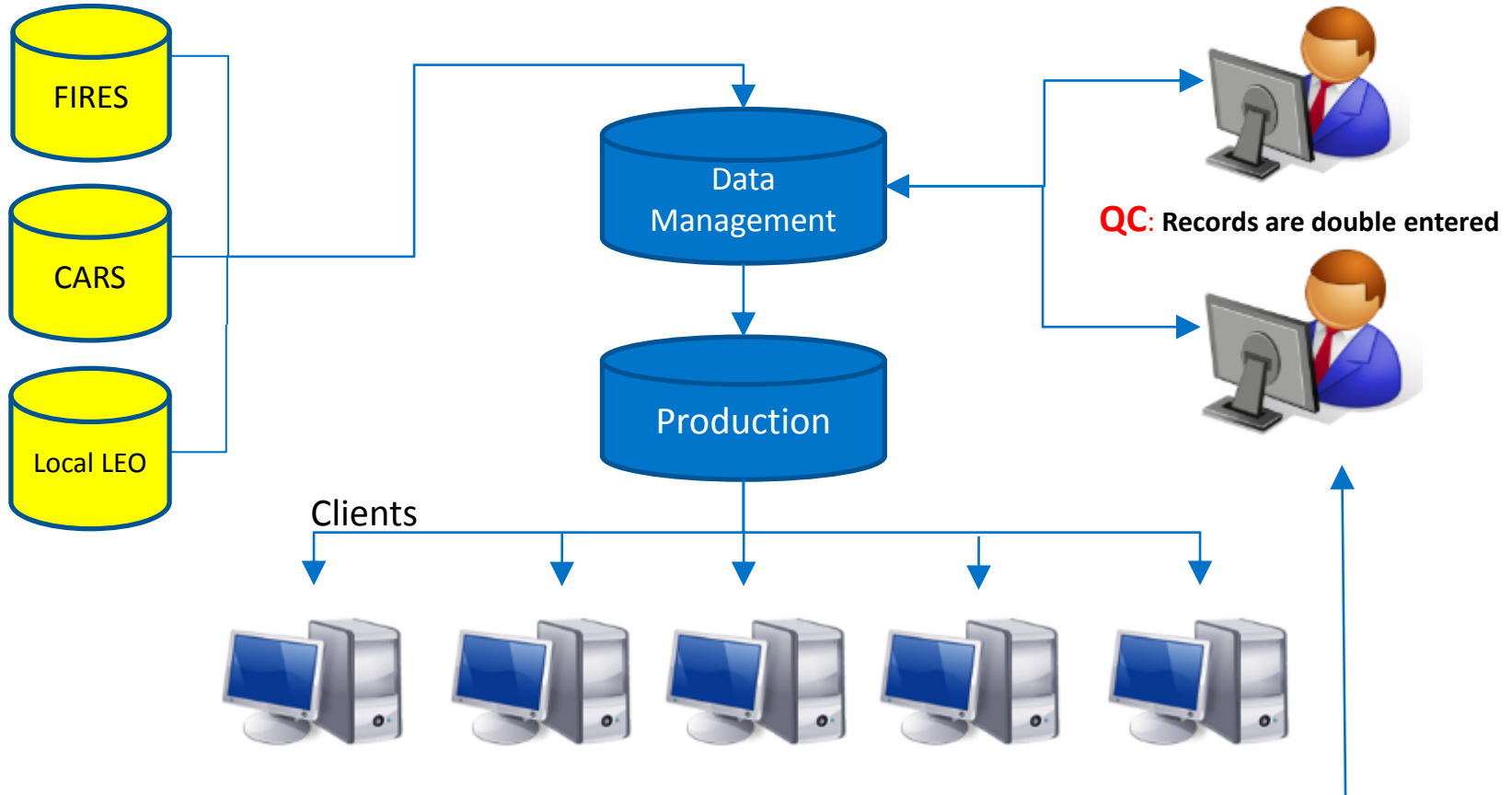
| ID   | CDMSTableName | CDMSFieldName                 | CDMSType | CDMSFieldValue                  | ToDo  | ID_Field     | ID_ | GIS_EVENTS_Field | GIS_EVENTS_Value            | CD_FLAG |
|------|---------------|-------------------------------|----------|---------------------------------|-------|--------------|-----|------------------|-----------------------------|---------|
| 2585 | CrashPerson   | PersonDriverCondition         | Text     | Ill (sick) or Fainted           | 1,2,3 | PersonNumber | 3   | DEF_3            | ILLNESS                     |         |
| 2586 | CrashPerson   | PersonDriverCondition         | Text     | Other, Explain in Narrative     | 1,2,3 | PersonNumber | 3   | DEF_3            | EYESIGHT DEFECT             |         |
| 2587 | CrashPerson   | PersonDriverCondition         | Text     | Other, Explain in Narrative     | 1,2,3 | PersonNumber | 3   | DEF_3            | HEARING DEFECT              |         |
| 2588 | CrashPerson   | PersonDriverCondition         | Text     | Physically Impaired             | 1,2,3 | PersonNumber | 3   | DEF_3            | OTHER PHYSICAL DEFECT       |         |
| 2589 | CrashPerson   | PersonDriverCondition         | Text     | Seizure, Epilepsy, Blackout     | 1,2,3 | PersonNumber | 3   | DEF_3            | SEIZURE, EPILEPSY, BLACKOUT |         |
| 2590 | CrashPerson   | PersonDriverVisionObstruction | Text     | All Other, Explain in Narrative | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | ALL OTHER (EXPLAIN)         | 1       |
| 2591 | CrashPerson   | PersonDriverVisionObstruction | Text     | Building/Fixed Object           | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | BUILDING/FIXED OBJECT       |         |
| 2592 | CrashPerson   | PersonDriverVisionObstruction | Text     | Fog                             | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | FOG                         |         |
| 2593 | CrashPerson   | PersonDriverVisionObstruction | Text     | Glare                           | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | GLARE                       |         |
| 2594 | CrashPerson   | PersonDriverVisionObstruction | Text     | Inclement Weather               | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | INCLEMENT WEATHER           |         |
| 2595 | CrashPerson   | PersonDriverVisionObstruction | Text     | Load if Vehicle                 | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | LOAD ON VEHICLE             |         |
| 2596 | CrashPerson   | PersonDriverVisionObstruction | Text     | Parked/Stopped Vehicle          | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | PARKED/STOPPED VEHICLE      |         |
| 2597 | CrashPerson   | PersonDriverVisionObstruction | Text     | Signs/Billboards                | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | SIGNS/BILLBOARDS            |         |
| 2598 | CrashPerson   | PersonDriverVisionObstruction | Text     | Smoke                           | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | SMOKE                       |         |
| 2599 | CrashPerson   | PersonDriverVisionObstruction | Text     | Tress/Crops/Bushes              | 1,2,3 | PersonNumber | 1   | VIS_OBST1        | TREES/CROPS/BUS HES         |         |

# Data Processing

Data transfer from  
multiple data sources

Import and auto locate  
to client specification

Data Location Staff



**QC:** Client has access to Data Management Progress through WebCDMS

# WebCDMS Overview

## Features

- *Automated GIS Crash Mapping*
- *Crash Record Selection*
- *Automated Collision Diagrams*
- *Advanced Reporting*
- *Data Exports (KML, Shapefile, Scanned Reports, Excel, PDF)*
- *Access to Scanned Crash Reports*
- *Hot Spot Analysis*
- *Counter Measures*
- *Crash Rates*
- *Dashboard*

# WebCDMS Overview

## Technology Used

- *ArcGIS Server 10.2*
- *ArcGIS JavaScript API*
- *Rich Web Controls (.NET, HTML 5, Charting)*
- *SQL Server*
- *Crystal Reports*

# GIS Mapping

Crashes

Aerials

**District 7 FDOT Crash Data Management** Switch to: City of Tampa Switch Data Report Help

Welcome, Juan Butler

Search

Crash Record Selection

Results

Total Record Count: 966

Remove Selected Clear All

group at intersection: Off On

| Type | HSMV     | Crash Date | Crash Time | County       | City              | On Street   | Cross Street |
|------|----------|------------|------------|--------------|-------------------|-------------|--------------|
| X    | 83773566 | 07/14/14   | 0850       | PASCO        | SAN ANTONIO       | I 75        |              |
| X    | 84673200 | 07/11/14   | 0550       | PINELLAS     | FALM HARBOR       | US 19       | CORAL        |
| X    | 85164491 | 07/10/14   | 1447       | PINELLAS     | GULFPORT          | 49TH STREET | AD           |
|      | 83835322 | 07/09/14   | 1844       | PINELLAS     | UNINCORPORATED    | CR 1        | COUNT        |
|      | 84813540 | 07/09/14   | 1950       | HILLSBOROUGH | UNINCORPORATED H. | CORONET RD  | CA           |
| X    | 84673264 | 07/08/14   | 1426       | HILLSBOROUGH | UNINCORPORATED    | SR 60       | JERF         |
|      | 83793791 | 07/08/14   | 1848       | HERNANDO     | UNINCORPORATED    | US 19       | BRV          |
|      | 83935131 | 07/01/14   | 2315       | PASCO        | DADE CITY         | CR 35       | MORN         |
| X    | 82407349 | 06/30/14   | 1858       | CITRUS       | CRYSTAL RIVER     | US 19       | 8TH          |
|      | 83793422 | 06/28/14   | 1643       | PASCO        | NEW PORT RICHEY   | SR 54       | OLD ME       |
|      | 82101181 | 06/28/14   | 2330       | HILLSBOROUGH | TEMPLE TERRACE    | SR 580      | GAC          |
| X    | 84818221 | 06/26/14   | 0050       | HILLSBOROUGH | UNINCORPORATED H. | BOYETTE RD  | MCM          |
|      | 83834295 | 06/25/14   | 0735       | HILLSBOROUGH | TAMPA             | SR 580      | COUNTI       |
|      | 83832527 | 06/18/14   | 0741       | PASCO        | LAND O LAKES      | BAHIA LOOP  | TL           |

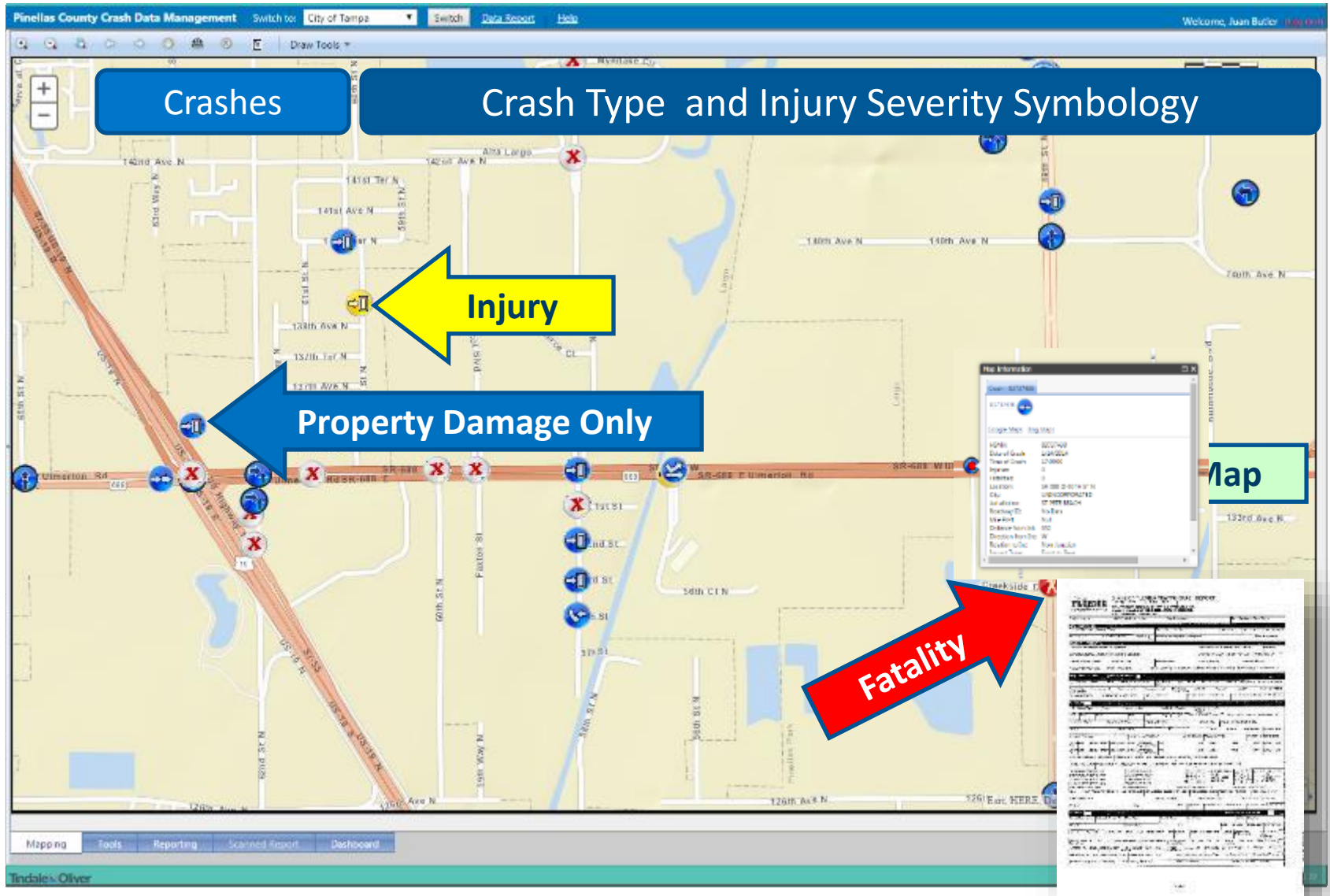
Page 1 of 10. Items 1 to 100 of 966.

Project Tracking

Mapping Tools Reporting Scanned Report Dashboard

esri

# GIS Mapping





# Crash Record Selection

**District 7 FDOT Crash Data Management** | Switch to: City of Tampa | Switch | Data Report | Help | Welcome, Aun Butler | Log Out

Search

Crash Record Selection

**Exclude:** ☐ Parking Lot Crashes ☐ Non-Located Crashes **Select Records** **Clear Selections**

Crash Date Range

**Crash Date**

From :  - To:

Years **←**

Crash Reports **←**

Intersections **←**

Roadways **←**

Defined Geographic Areas **←**

**Defined Geographic Areas**

**Select Records by Graphic** **Clear All** **Clear Selected**

Select graphic type by selecting one of the buttons below

**Roadways**

**Select by Roadway Name**

Roadway ID:  From MP:  To MP:

**Add to List**

**Clear All** **Clear Selected**

*select area to zoom*

Project Tracking | Mapping | Tools | Reporting | Screenshot Reports | Dashboard

Tindalos Oliver | CDM version 1.0.0

# Crash Record Select by Geographic Area

District 7 FDOT Crash Data Management Switch to: City of Tampa Switch Data Report Help Welcome, Juan Butler 8/26/14

Search  
Crash Record Selection

Results  
Total Record Count: 2144  
Remove Selected Clear All  
group at intersections: OFF On

| Type                                                                              | HSMV     | Crash Date | County | City             | On Street | Cross |
|-----------------------------------------------------------------------------------|----------|------------|--------|------------------|-----------|-------|
|   |          |            |        |                  |           |       |
|   | 84408693 | 01/11/14   | TAMPA  | HILLSBOROUGH AVE | HOW       |       |
|   | 84408656 | 01/09/14   | TAMPA  | HENRY AVE        | ALB       |       |
|   | 84408291 |            | TAMPA  | LINCOLN AVE      | HILLSBO   |       |
|   | 84409411 | 01/05/14   | TAMPA  | HILLSBOROUGH AVE | HAB       |       |
|   | 84409401 | 12/31/13   | TAMPA  | HILLSBOROUGH AVE | HAB       |       |
|  | 84409399 | 12/30/13   | TAMPA  | HABANA AVE       | GIDC      |       |

Vehicle Type  
Vehicle Movement  
Reported Damages

Project Tracking

Tindalos Oliver

Crash Type

Open Crash Report

Map Results

Basemaps

Draw Tools

esri

CRM v1.0.72



# Crash Record Exports and Reports

**District 7 FDOT Crash Data Management** | Switch to: City of Tampa | Switch | Data Report | Help | Welcome, Juan Butler

Search | Crash Record Selection

Map Results

Short View | Full View | Top 10 Locations | Top 20 Locations | Top 40 Locations | Top 50 Locations | Top 100 Locations | Top 200 Locations | All Locations

Daylight | 182 | 0 | 148 | 5 | 4 | 0 | 9 | 68 | 17 | 27

Crash Records Drill Down

| HGMV#                    | Crash Type | Date       | Time | Fatalities | Injuries | Peds | Bike | Motorcycle | Vulnerable Users | Aggressive Driving | Lane Departure | At Intersection |
|--------------------------|------------|------------|------|------------|----------|------|------|------------|------------------|--------------------|----------------|-----------------|
| <a href="#">84953912</a> | X          | 07/28/2014 | 1252 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84953897</a> | Blue icon  | 07/27/2014 | 1735 | 0          | 2        | 0    | 0    | 0          | 0                | 0                  | 0              | 1               |
| <a href="#">84953887</a> | X          | 07/26/2014 | 1750 | 0          | 1        | 0    | 0    | 0          | 0                | 0                  | 1              | 0               |
| <a href="#">84473090</a> | Blue icon  | 07/22/2014 | 1725 | 0          | 1        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84852759</a> | X          | 07/20/2014 | 1157 | 0          | 0        | 0    | 0    | 0          | 0                | 1                  | 0              | 0               |
| <a href="#">84953730</a> | X          | 07/18/2014 | 1540 | 0          | 3        | 0    | 0    | 0          | 0                | 1                  | 0              | 0               |
| <a href="#">84738189</a> | X          | 07/16/2014 | 1500 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84738164</a> | Blue icon  | 07/15/2014 | 1740 | 0          | 2        | 0    | 0    | 0          | 0                | 1                  | 1              | 0               |
| <a href="#">84738132</a> | X          | 07/14/2014 | 1426 | 0          | 1        | 0    | 0    | 0          | 0                | 1                  | 0              | 0               |
| <a href="#">84738117</a> | X          | 07/14/2014 | 1708 | 0          | 1        | 0    | 0    | 0          | 0                | 1                  | 0              | 0               |
| <a href="#">84476070</a> | X          | 07/14/2014 | 0854 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84738082</a> | Blue icon  | 07/11/2014 | 1706 | 0          | 1        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84738070</a> | X          | 07/10/2014 | 1951 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84737999</a> | X          | 07/07/2014 | 1521 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |
| <a href="#">84479172</a> | Blue icon  | 07/07/2014 | 1955 | 0          | 0        | 0    | 0    | 0          | 0                | 0                  | 0              | 0               |

Project Tracking | Mapping | Tools | Reporting | Dashboard

Tindale & Oliver | (304) 301-1117

# Collision Diagramming

**District 7 FDOT Crash Data Management** Switch to: **City of Tampa** **Switch** Data Report Help Welcome, Juan Butler

Search:

Crash Record Selection

Results:

Total Record Count: 246  
Remove Selected Clear All  
group at intersection: ☐ Off ☒ On

| Type                                | HEMV | Crash Date | Crash Time     | County       | City           | On           |
|-------------------------------------|------|------------|----------------|--------------|----------------|--------------|
| <input checked="" type="checkbox"/> |      | 34582024   | 07/28/14 12:52 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34582092   | 07/27/14 17:55 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34582097   | 07/25/14 17:50 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34473820   | 07/22/14 17:25 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34563758   | 07/20/14 11:57 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34563790   | 07/18/14 15:40 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728165   | 07/16/14 23:28 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728168   | 07/16/14 15:00 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728164   | 07/15/14 17:48 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728137   | 07/14/14 17:08 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728132   | 07/14/14 14:26 | HILLSBOROUGH | TAMPA          | CENTRAL      |
| <input checked="" type="checkbox"/> |      | 34473826   | 07/14/14 08:54 | HILLSBOROUGH | UNINCORPORATED | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728092   | 07/11/14 17:08 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34728070   | 07/10/14 19:51 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34727966   | 07/07/14 15:21 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34475123   | 07/07/14 19:55 | HILLSBOROUGH | TAMPA          | HILLSBOROUGH |
| <input checked="" type="checkbox"/> |      | 34475122   | 07/07/14 19:55 | HILLSBOROUGH | UNINCORPORATED | HILLSBOROUGH |

1 2 3 Page 1 of 3, items 1 to 100

Project Tracking

**Create Collision Diagram Options**

Crash Data Grid

Mapping Tools Reporting Screened Report Dashboard

Legend

- 1
- 2-3
- 4-5
- 6-10
- >10

Total Crashes: 246  
Diagrammed: 159  
Not Diagrammed: 87

**Export Diagram**

CCMS ver 1.0.72

## Countermeasures

**District 7 FDOT Crash Data Management** | Switch to: City of Tampa | Switch | Data Report | Help

Search: [ ] | Crash Record Selection: [ ] | Results: [ ]

Total Record Count: 246 | Remove Selected | Clear All | Map Results

group at intersection: Off On

**Countermeasures Matrix**

All database records Selected records

Inputs

Select Years: ☒ 2014 ☒ 2013 ☐ 2012 ☐ 2011 ☐ 2010 ☐ 2009 ☐ 2008 ☐ 2007 ☐ 2006 ☐ 2005

Select Type: All Crash Nodes

Min # of Crashes (Optional): [ ]

Generate Matrix

| Type     | HS/MV              | Crash Date | Crash Time | HL | Tier 1 | Tier 2 | Tier 3 | Tier 4 | Angle Signalized | Angle Signalized Tot | Close Median | Close Median Tot | Protect Left Turn | Protect Left Turn Tot | Access Mgmt Review | Access Mgmt Review Tot | No Lighting | No Lighting Tot | Road Friction | Road Friction Tot | RunC | RunC Tot |
|----------|--------------------|------------|------------|----|--------|--------|--------|--------|------------------|----------------------|--------------|------------------|-------------------|-----------------------|--------------------|------------------------|-------------|-----------------|---------------|-------------------|------|----------|
| 10 24427 | I275 @ BUSCH BLVD  | 07/28/14   | 1252       | HL | 25     | 10     | 5      | 0.00   | 0                | 12.00                | 3            | 0.00             | 0                 | 0.00                  | 0                  | 0.00                   | 0           | 48.00           | 12            | 24.00             | 6    |          |
| 10 19253 | I75 @ I4           | 07/21/14   | 1755       | HL | 250    | 100    | 2      | 0.00   | 0                | 4.00                 | 10           | 0.00             | 0                 | 0.00                  | 0                  | 0.00                   | 40.00       | 100             | 22.40         | 56                |      |          |
| 10 18290 | I4 @ US 301        | 07/26/14   | 1750       | HL |        |        |        |        |                  |                      |              |                  |                   |                       |                    |                        |             |                 | 25.66         | 29                |      |          |
| 10 10536 | I75 @ BRANDON BLVD |            |            |    |        |        |        |        |                  |                      |              |                  |                   |                       |                    |                        |             |                 | 20.37         | 22                |      |          |
| 15 30128 | US 19 @ ALDERMAN F |            |            |    |        |        |        |        |                  |                      |              |                  |                   |                       |                    |                        |             |                 | 11.39         | 9                 |      |          |
| 14 12739 | I75 @ SR 52        |            |            |    |        |        |        |        |                  |                      |              |                  |                   |                       |                    |                        |             |                 | 34.09         | 15                |      |          |
| 10 6075  | BLOOMINGDALE AVE @ |            |            |    |        |        |        |        |                  |                      |              |                  |                   |                       |                    |                        |             |                 | 3.13          | 1                 |      |          |

# Crash Rates

Sarasota County Crashes at All Crash

Year(s) 2014, 2013

**District 7 FOOT Crash Data Management** Switch to: City of Tampa Switch Date Report Help

Search

Crash Record Selection

Results

Total Record Count: 2144

Remove Selected Clear All

group at intersections: ☐ Off ☐ On

**Analytic Tools**

**Crash Rate Generator**

☒ All database records ☐ Selected records

**Intersections** **Segments**

**Inputs**

**Select Years:**

☒ 2014 ☒ 2013 ☐ 2012 ☐ 2011

☐ 2010 ☐ 2009 ☐ 2008 ☐ 2007

☐ 2006 ☐ 2003 ☐ 1982

**On Street Factor:**

☐ Use On Street comparison

**Export to Excel** **Export Report**

**Total Records: 423**

ID # Roadway Name Limits

| Rank | All Crash Modes     |                     | Jurisdiction       | Number of Crashes | AADT Count |       |       |       |        | Intersection Crash Rate |
|------|---------------------|---------------------|--------------------|-------------------|------------|-------|-------|-------|--------|-------------------------|
|      | Main Route          | Minor Route         |                    |                   | SB         | NB    | WB    | EB    | Total  |                         |
| 1    | US 41               | S SAUTER BLVD       | NORTH PORT         | 136               | 8500       | 1330  | 14500 | 15000 | 37,300 | 5.07                    |
| 2    | DEE RIDGE RD        | ITS                 | FRUITVILLE         | 134               | 5500       | 3650  | 14750 | 17500 | 41,300 | 4.44                    |
| 3    | W PRYCE BLVD        | N SAUTER BLVD       | NORTH PORT         | 53                | 5450       | 6600  | 3400  | 3400  | 19,150 | 3.55                    |
| 4    | US 41               | JACARANDA RD        | SARASOTA SPRINGS   | 107               | 8000       | 1000  | 12000 | 13000 | 41,000 | 3.65                    |
| 5    | ITS                 | N SAUTER BLVD       | NORTH PORT         | 700               | 2900       | 1000  | 1300  | 1400  | 10,200 | 20.27                   |
| 6    | FRUITVILLE RD       | HONORE AVE          | FRUITVILLE         | 133               | 8001       | 7017  | 24500 | 22550 | 62,968 | 2.89                    |
| 7    | FRUITVILLE RD       | N BENEVA RD         | SARASOTA           | 146               | 12750      | 13000 | 23750 | 24750 | 74,250 | 2.75                    |
| 8    | US 41               | N RIVER RD          | SARASOTA           | 71                | 7154       | 9855  | 15000 | 8000  | 38,719 | 2.85                    |
| 9    | DEE RIDGE RD        | BENEVA RD           | SARASOTA SPRINGS   | 141               | 13008      | 13000 | 23000 | 23000 | 72,408 | 2.83                    |
| 10   | N LOCKWOOD RIDGE RD | N LOCKWOOD RIDGE RD | NORTH SARASOTA     | 87                | 17106      | 1710  | 8000  | 8000  | 26,304 | 2.8                     |
| 11   | FRUITVILLE RD       | CATTLEMAN RD        | FRUITVILLE         | 171               | 4470       | 1070  | 24000 | 24000 | 92,840 | 2.47                    |
| 12   | US 41               | SHAMROCK DR         | VENICE GARDENS     | 62                | 35500      | 24500 | 3513  | 3823  | 58,536 | 2.33                    |
| 13   | CLARK RD            | HONORE AVE          | DEE RIDGE          | 73                | 4300       | 1017  | 19000 | 19000 | 58,217 | 2.16                    |
| 14   | DEE RIDGE RD        | MONTOSH RD          | DEE RIDGE          | 85                | 8500       | 7521  | 23000 | 23000 | 62,500 | 2.09                    |
| 15   | ITS                 | FRUITVILLE RD       | FRUITVILLE         | 373               | 7760       | 1070  | 1000  | 4800  | 19,800 | 18.26                   |
| 16   | ITS                 | JACARANDA RD        | FRUITVILLE         | 89                | 3600       | 1000  | 1000  | 1000  | 7,600  | 16.80                   |
| 17   | CLARK RD            | ITS                 | VENICE GARDENS     | 104               | 8750       | 2050  | 3000  | 3000  | 16,250 | 12.39                   |
| 18   | ITS                 | N TOLEDO BLVD       | NORTH PORT         | 106               | 2300       | 1000  | 2300  | 7250  | 12,800 | 11.57                   |
| 19   | DEE RIDGE RD        | S TUTTLE AVE        | SOUTHGATE          | 82                | 11332      | 12307 | 18000 | 18000 | 58,539 | 1.88                    |
| 20   | CLARK RD            | BENEVA RD           | DEE RIDGE          | 82                | 12783      | 12306 | 19000 | 19000 | 64,879 | 1.84                    |
| 21   | PROCTOR RD          | CATTLEMAN RD        | DEE RIDGE          | 24                | 8000       | 481   | 3000  | 3000  | 19,284 | 1.8                     |
| 22   | US 41               | N BENEVA RD         | DEE RIDGE          | 67                | 28000      | 10000 | 14000 | 14000 | 56,000 | 1.77                    |
| 23   | US 41               | LAUREL RD E         | LAUREL             | 65                | 21000      | 21000 | 8000  | 1450  | 51,450 | 1.70                    |
| 24   | DEE RIDGE RD        | CATTLEMAN RD        | SARASOTA SPRINGS   | 64                | 13000      | 13071 | 21000 | 28500 | 68,471 | 1.68                    |
| 25   | PROCTOR RD          | SWIFT RD            | RIDGE WOOD HEIGHTS | 43                | 10704      | 9025  | 8500  | 8512  | 33,252 | 1.65                    |
| 26   | BAHIA VISTA ST      | S TUTTLE AVE        | SARASOTA           | 44                | 10750      | 16750 | 8500  | 8500  | 38,200 | 1.54                    |
| 27   | MONTOSH RD          | ASHTON RD           | DEE RIDGE          | 17                | 4700       | 1190  | 1000  | 1000  | 10,690 | 1.61                    |
| 28   | CLARK RD            | MONTOSH RD          | DEE RIDGE          | 52                | 4250       | 4600  | 19000 | 19000 | 47,430 | 1.5                     |
| 29   | JACARANDA BLVD      | CENTER RD           | SARASOTA           | 42                | 12165      | 9000  | 9100  | 8704  | 38,839 | 1.49                    |
| 30   | MYRTLE ST           | OLD MADENOT RD      | SARASOTA           | 13                | 2400       | 2400  | 3000  | 3000  | 12,300 | 1.47                    |

## Sarasota County CRASHES ON SEGMENTS

| Rank | ID # | Roadway Name                 | Limits                            |    | Segment Attributes |              | Traffic Counts          |            | Crash Data |      |
|------|------|------------------------------|-----------------------------------|----|--------------------|--------------|-------------------------|------------|------------|------|
|      |      |                              | From                              | To | Jurisdiction       | No. of Lanes | Analysis Segment Length | Post Speed | Source     | Date |
| 1    | 1    | 17TH STREET                  | U.S. 301 TO TUTTLE                |    | City/Sec           | 4            | 1.50                    | 35         | SC         | 2013 |
| 2    | 2    | 17TH STREET                  | TUTTLE TO LOCKWOOD RIDGE          |    | County             | 4            | 0.50                    | 35         | SC         | 2013 |
| 3    | 3    | 17TH STREET                  | LOCKWOOD RIDGE TO RIVER           |    | County             | 4            | 0.52                    | 35         | SC         | 2013 |
| 4    | 4    | 17TH STREET                  | BENEVA TO PRUDENCE                |    | County             | 4            | 0.50                    | 45         | SC         | 2013 |
| 5    | 5    | 17TH STREET                  | PRUDENCE TO LONGMEADOW            |    | County             | 4            | 0.50                    | 45         | SC         | 2013 |
| 6    | 6    | 17TH STREET                  | LONGMEADOW TO FIRE STATION NO. 17 |    | County             | 4            | 0.40                    | 45         | SC         | 2013 |
| 7    | 6.5  | 17TH STREET                  | FIRE STATION TO HONORE            |    | County             | 4            | 0.80                    | 45         | SC         | 2013 |
| 8    | 9    | 27TH STREET/ N. MIAMI JR WAY | U.S. 301 TO NEWTOWN BLVD          |    | County             | 2            | 0.40                    | 35         | SC         | 2013 |
| 9    | 9.5  | 27TH STREET/ N. MIAMI JR WAY | NEWTOWN BLVD TO TUTTLE            |    | County             | 2            | 0.80                    | 35         | SC         | 2013 |
| 10   | 10   | 27TH STREET/ N. MIAMI JR WAY | TUTTLE TO LOCKWOOD RIDGE          |    | County             | 2            | 0.50                    | 35         | SC         | 2013 |
| 11   | 11   | ALBEE FARM ROAD              | LAUREL TO EDWARDS                 |    | County             | 4            | 1.50                    | 40         | SC         | 2011 |
| 12   | 12   | ALBEE FARM ROAD              | EDWARDS TO COLONIA                |    | County             | 4            | 0.25                    | 40         | SC         | 2011 |
| 13   | 13   | ALBEE FARM ROAD              | COLONIA TO LUCAYA                 |    | Co./Ven            | 4            | 0.80                    | 40         | SC         | 2011 |
| 14   | 14   | ALBEE FARM ROAD              | LUCAYA TO U.S. 41                 |    | County             | 4            | 0.30                    | 40         | SC         | 2011 |
| 15   | 15   | ALBEE ROAD                   | COBBE KEY TO U.S. 41              |    | County             | 2            | 1.10                    | 30         | SC         | 2012 |
| 16   | 15.6 | ASHTON RD                    | SAWYER TO MONTOSH                 |    | County             | 2            | 0.50                    | 35         | SC         | 2012 |
| 17   | 15.7 | ASHTON RD                    | MONTOSH TO HONORE                 |    | County             | 2            | 1.00                    | 35         | SC         | 2012 |
| 18   | 15.8 | ASHTON RD                    | HONORE TO GANTT                   |    | County             | 2            | 0.50                    | 35         | SC         | 2012 |
| 19   | 16   | AURBURN ROAD                 | BORDER TO VENICE                  |    | County             | 2            | 1.50                    | 35         | SC         | 2012 |
| 20   | 17   | AVENIDA DEL CIRCO            | AIRPORT TO US 41                  |    | Co./Ven            | 2            | 0.30                    | 25         | SC         | 2012 |
| 21   | 18   | BAFFIN ROAD                  | SHAMROCK TO U.S. 41               |    | County             | 2            | 1.10                    | 30         | SC         | 2012 |
| 22   | 20   | BAHIA VISTA ST               | U.S. 41 TO SHADE                  |    | City/Sec           | 2            | 0.50                    | 35         | SC         | 2013 |
| 23   | 20.5 | BAHIA VISTA ST               | SHADE TO EUCLID                   |    | City/Sec           | 2            | 0.25                    | 35         | SC         | 2013 |
| 24   | 20.7 | BAHIA VISTA ST               | EUCLID TO TUTTLE                  |    | City/Sec           | 3            | 0.35                    | 35         | SC         | 2013 |
| 25   | 21   | BAHIA VISTA ST               | TUTTLE TO KAUFMAN                 |    | County             | 4            | 0.75                    | 30         | SC         | 2013 |
| 26   | 21.6 | BAHIA VISTA ST               | KAUFMAN TO BENEVA                 |    | County             | 4            | 0.35                    | 30         | SC         | 2013 |
| 27   | 22   | BAHIA VISTA ST               | BENEVA TO MONTOSH                 |    | County             | 4            | 0.90                    | 30         | SC         | 2013 |
| 28   | 23   | BAHIA VISTA ST               | MONTOSH TO HONORE                 |    | County             | 4            | 1.15                    | 45         | SC         | 2013 |
| 29   | 23.5 | BAHIA VISTA ST               | HONORE TO CATTLEMAN               |    | County             | 4            | 0.75                    | 30         | SC         | 2013 |

| Year(s) | AADT  | Crashes | Rate (MVM) |
|---------|-------|---------|------------|
| 2013    | 15069 | 9       | 0.82       |
| 2013    | 19127 | 11      | 1.58       |
| 2013    | 22527 | 13      | 1.52       |
| 2013    | 16956 | 3       | 1.21       |
| 2013    | 19005 | 0       | 0.00       |
| 2013    | 15569 | 7       | 1.54       |

Page 1 of 5, items 1 to 100 of 423.



Print Report

Dashboard

CRM-WX (1.1)



# Project Tracking

District 7 FDOT Crash Data Management

Switch to: City of Tampa

Switch

Date Report

Help

Welcome, Juan Butler

Search

Crash Record Selection

Project Tracking

Select by Location | Create New | Filter Tool | Project List | RSA Scanner

Project Tracking - List of RSA Observations

Change Project Type: RSA Observations

3734 record(s)

Export Project List

| PROJECT_TYPE         | PROJECT_NAME         | ID                   | PROJECT_NUM          | PROJECT_NAME1        | PROJECT_DESC         | FULCRUM              |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <a href="#">edit</a> | RSAOBSERVE           | RSA Observations     | 1                    |                      |                      |                      |

1 2 3 4 5 6 7 8 9 10 ...

Page size: 100

3734 items in 38 pages

Remove Filter

Remove Selected

Apply Filter

Basemaps

Map of Tampa area showing roads, parks, and landmarks.

Mapping | Tools | Reporting | Scanned Report | Dashboard

ESRI

# Project Tracking – RSA Tracking

District 7 FDOT Crash Data Management | Switch to: City of Tampa | Switch | Data Report | Help | Welcome, Juan Butler

Search | Crash Record Selection | Results | Project Tracking

Select by Location | Create New | Filter Tool | Project List | RSA Screener

RSA Screener | Export

Filter by

by RSA | by Time Frame | by Status | by Agency

Refresh

Expand to view Observations/Recommendations

|   | Project             | Project Name                                          |
|---|---------------------|-------------------------------------------------------|
| > | zoom                | RSA 1 - FM 423442 North Florida Avenue at Waters      |
| > | zoom report details | 10 RSA 10 - FM 416844 US 19 - Snug Harbor Road to C   |
| > | zoom report details | 100 SAR 100 - FM 431143 US 41/SE 45/Broad Street from |
| > | zoom report details | 101 SAR 101 - FM 429056 Alt US 19/SR 60/SR 595/Chestn |
| > | zoom report details | 102 SAR 102 - FM 429059 SR 574 (E. MLK Blvd. from 42n |
| > | zoom report details | 103 SAR 103 - FM 429077-1 US 41 (SR /45 Nebraska Aven |
| > | zoom report details | 104 SAR 104 - FM 430900 SR 687/4th Street N. from 106 |
| > | zoom report details | 105 SAR 105 - FM 429061 SR 569 (39th Street/N. 40th S |
| > | zoom report details | 106 SAR 106 - FM 431132 SR 60/Kennedy Boulevard from  |
| > | zoom report details | 107 SAR 107 - FM 431315 SR 52 from US 19 /SR 55 to E. |
| > | zoom report details | 108 SAR 108 - FM 431404 SR 699/Gulf Boulevard from SE |
| > | zoom report details | 109 SAR 109 - FM 431496 US 19/SR 55 from N. of Gandy  |
| > | zoom report details | 11 RSA 11 - FM 416834 SR 200 from South of Longbow L  |
| > | zoom report details | 110 SAR 110 - FM 429072 SR 574 (Martin Luther King Jr |
| > | zoom report details | 111 SAR 111 - FM 430901 SR 686/E. Bay Drive from SR 5 |
| > | zoom report details | 112 SAR 112 - FM 428968 US 41 (SR 60/685/45) from E.  |
| > | zoom report details | 113 SAR 113 - FM 431490 SR 685/Bus US 41 (Florida Ave |

Map Information

Road Safety Audit | Observation Data

View Report

Project Number: 1

Project Name: RSA 1 - FM 423442 North Florida Avenue at Waters

Project: RSA 1 - FM 423442 North Florida Avenue at Waters Avenue

Description: (November 13-14, 2006) -

Roadway: 10000000

Begin MP: 5.362

End MP: 5.367

Mapping | Tools | Reporting | Screened Report | Dashboard

Tindale Oliver | CENM ver 1.0.72

# Questions and Comments

## Thank You!

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