

# Navigation Guide



**D5 TransPed**

An Interactive Pedestrian and Bicycle Planning Tool

**Map Legend**

Map Layer Transparency

- Points of Interest
- Schools
- Pedestrian / Bicycle Counts
- Pedestrian / Bicycle Crashes
- JUICE Stations - Orlando Bike Share
- Pedestrian Facilities & Gaps (D5)
- Bicycle Facilities (RCI)
- US Bicycle Route (USBR) System
- Existing & Future Pedestrian / Bicycle Demand
- Pedestrian / Bicycle
- Strava Bicycling an
- Trails
- Transit Systems
- Adopt
- Envir
- Comp
- Land
- Base

Page Display: Map Tools:

**Map Tools:**

- 
- 
- 
- 
- 
- 

Login for Advanced User

Hide Left Panel

Map Navigation Tools

Choose from a Variety of Esri Base Maps

**Basemap Gallery**

- ArcGIS Streets
- ArcGIS Aerial
- ArcGIS Hybrid
- ArcGIS Topo
- ArcGIS Light Gray
- ArcGIS Dark Gray

**Measurement Tool**

Measurement Functions

Measurement Result

9.32 Miles

Reset Map Legend

Clear Map Graphics

**Overview Map Tool**

Overview Map version 1.3.14.6

**Google Street View**

# Interactive Map Tools

**Map Legend**

Map Layer Transparency

Points of Interest

Schools

Pedestrian / Bicycle Counts

Pedestrian / Bicycle Crashes

Pedestrian Crashes 2011-15

Bicycle Crashes 2011-15

JUICE Stations - Orlando Bike Share

Pedestrian Facilities & Gaps (D5)

Sidewalks Gaps

Sidewalks Facilities

Sidewalk on both sides

Sidewalk on left side

Sidewalk on right side

Sidewalk gap

Bicycle Facilities (RCI)

US Bicycle Route (USBR) System

Existing & Future Pedestrian / Bicycle Demand

Pedestrian / Bicycle Level of Service (LOS)

Strava Bicycling and Running Data 2014

Trails

Transit Systems

Adopted 5-Year Work Program

Environmental

Composite Underserved Population Concentration

Land Use, Population, Employment

Base Data

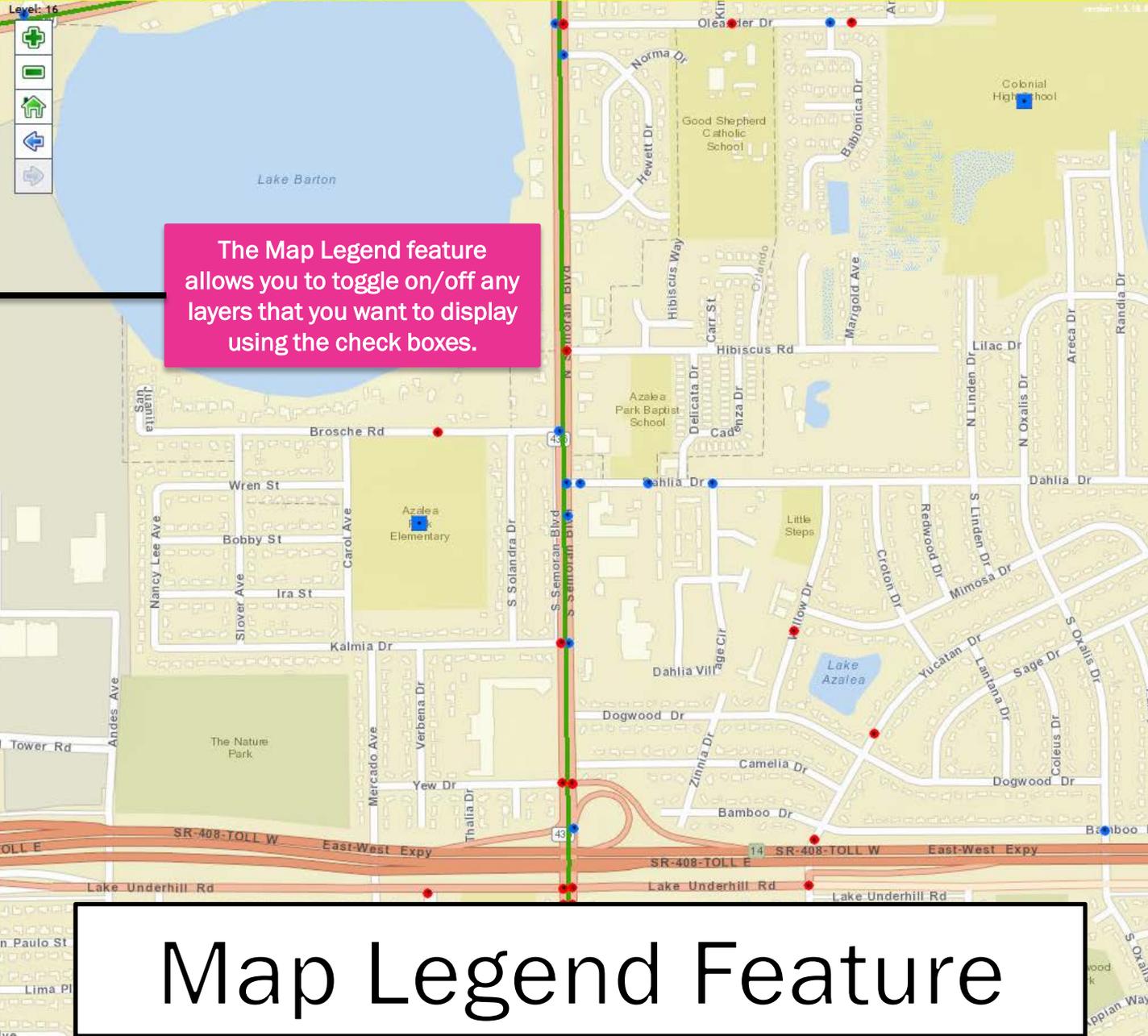
Information

Search

Analysis Tools

Graphic Markup

Print Map



The Map Legend feature allows you to toggle on/off any layers that you want to display using the check boxes.

# Map Legend Feature

Map Legend

Information

Click a map feature to see its attribute values.

**Pedestrian Counts**

[Highlight this feature on the map](#)

[Print attribute table](#)

Attachment Id	593
MODE	Ped
DIRECTION	all
STREET	SR 551
CROSS_STREET	Valencia College Dr
COUNTY	Orange
MONTH	2
DAY	5
YEAR	2014
PERIOD	8 Hrs
COUNT	98

[Open the Attachment Popup Viewer](#)  
Click an attachment name below to view it full size

1) [sr\\_551\\_valencia\\_college\\_dr - ped.jpg](#)

**Bicycle Counts**

[Highlight this feature on the map](#)

[Print attribute table](#)

Attachment Id	594
MODE	Bike
DIRECTION	all
STREET	SR 551
CROSS_STREET	Valencia College Dr
COUNTY	Orange
MONTH	2
DAY	5
YEAR	2014
PERIOD	8 Hrs
COUNT	38

[Open the Attachment Popup Viewer](#)  
Click an attachment name below to view it full size

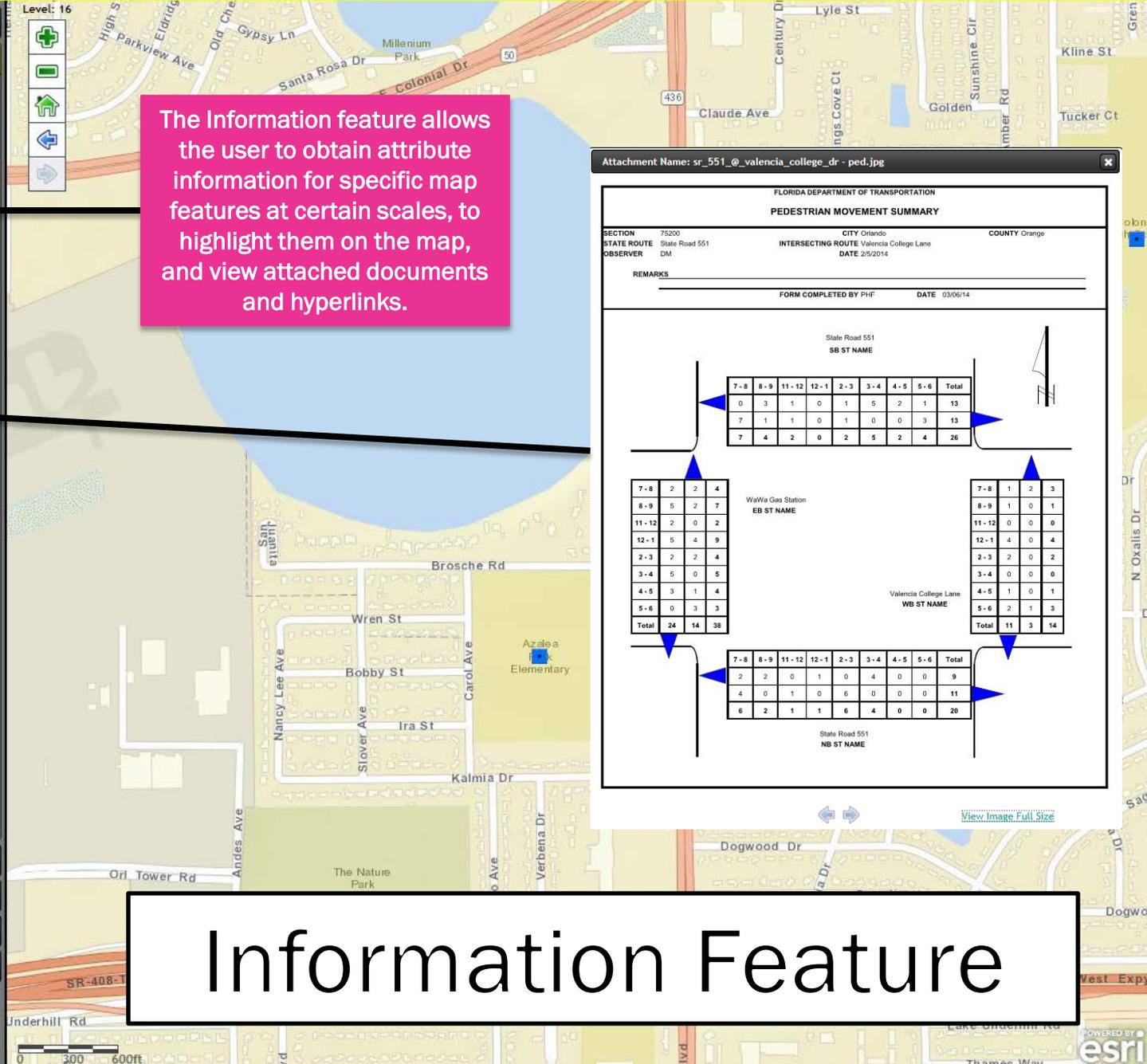
1) [sr\\_551\\_valencia\\_college\\_dr - bike.jpg](#)

Search

Analysis Tools

Graphic Markup

Print Map



Attachment Name: sr\_551\_valencia\_college\_dr - ped.jpg

FLORIDA DEPARTMENT OF TRANSPORTATION  
**PEDESTRIAN MOVEMENT SUMMARY**

SECTION 75200 CITY Orlando COUNTY Orange  
STATE ROUTE State Road 551 INTERSECTING ROUTE Valencia College Lane  
OBSERVER DM DATE 2/5/2014

REMARKS

FORM COMPLETED BY PHF DATE 03/06/14

State Road 551 SB ST NAME										
7-8	8-9	11-12	12-1	2-3	3-4	4-5	5-6	Total		
0	3	1	0	1	5	2	1	13		
7	1	1	0	1	0	0	3	13		
7	4	2	0	2	5	2	4	26		

WaWa Gas Station EB ST NAME										
7-8	8-9	11-12	12-1	2-3	3-4	4-5	5-6	Total		
2	2	4						8		
5	2	7						14		
2	0	2						4		

Valencia College Lane WB ST NAME										
7-8	8-9	11-12	12-1	2-3	3-4	4-5	5-6	Total		
1	2	3						6		
1	0	1						2		
0	0	0						0		

State Road 551 NB ST NAME										
7-8	8-9	11-12	12-1	2-3	3-4	4-5	5-6	Total		
2	2	0	1	0	4	0	0	9		
4	0	1	0	6	0	0	0	11		
6	2	1	1	6	4	0	0	20		

[View Image Full Size](#)

# Information Feature

Map Legend

Information

Search

Location Attribute

Enter an address or landmark and click the Find Address button to verify the address and zoom to that location.

Sample address: 1600 Seven Seas Dr  
Sample intersection: Magnolia Palm & Floridian Way  
Sample landmark: Disney World  
Sample city: Orlando

Address, intersection or landmark:

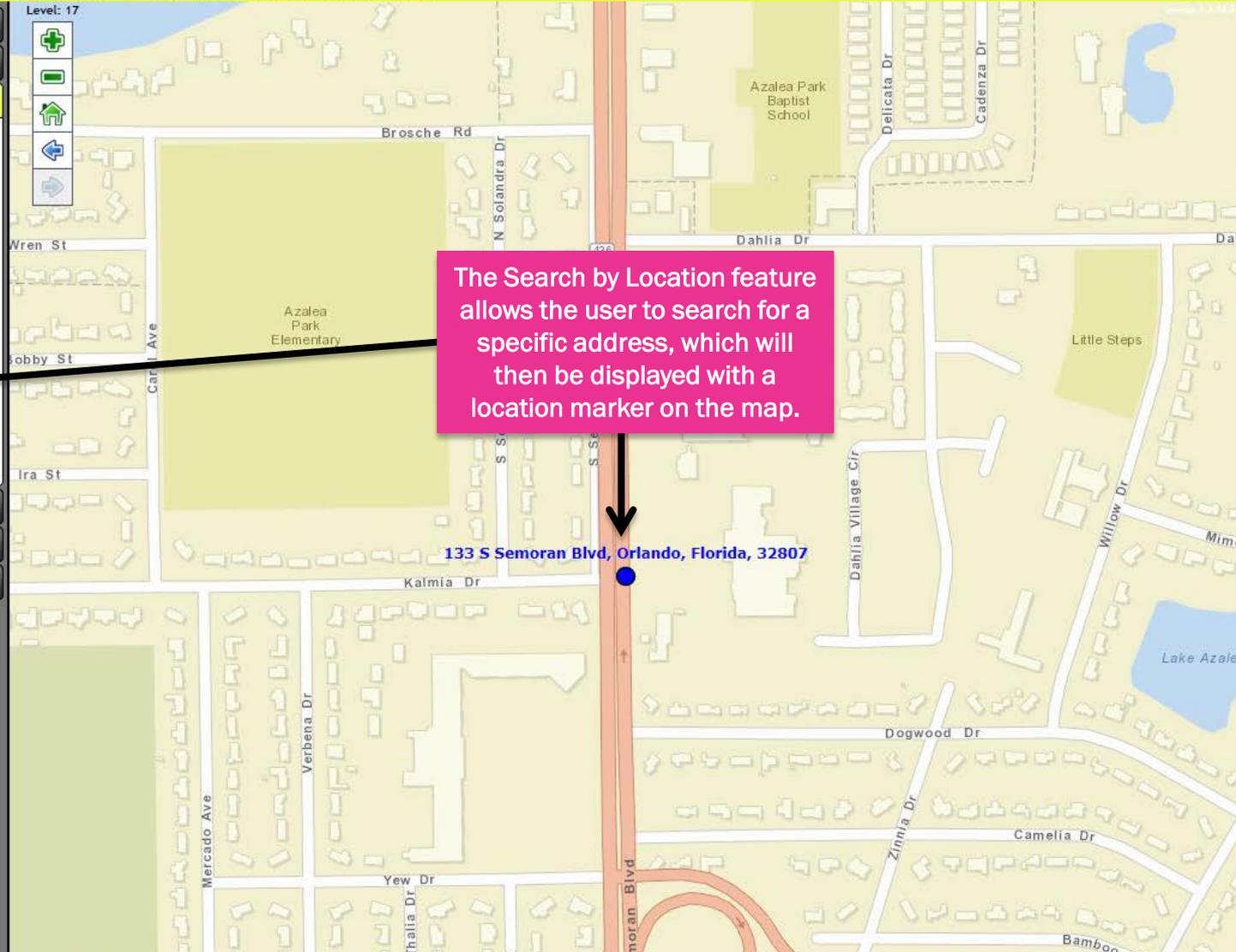
City:

**Find Address**

Analysis Tools

Graphic Markup

Print Map



# Search by Location Feature

Map Legend

Information

Search

Location **Attribute**

Map layer: Schools

Fields: School Name

Search value: Azalea Park

Search

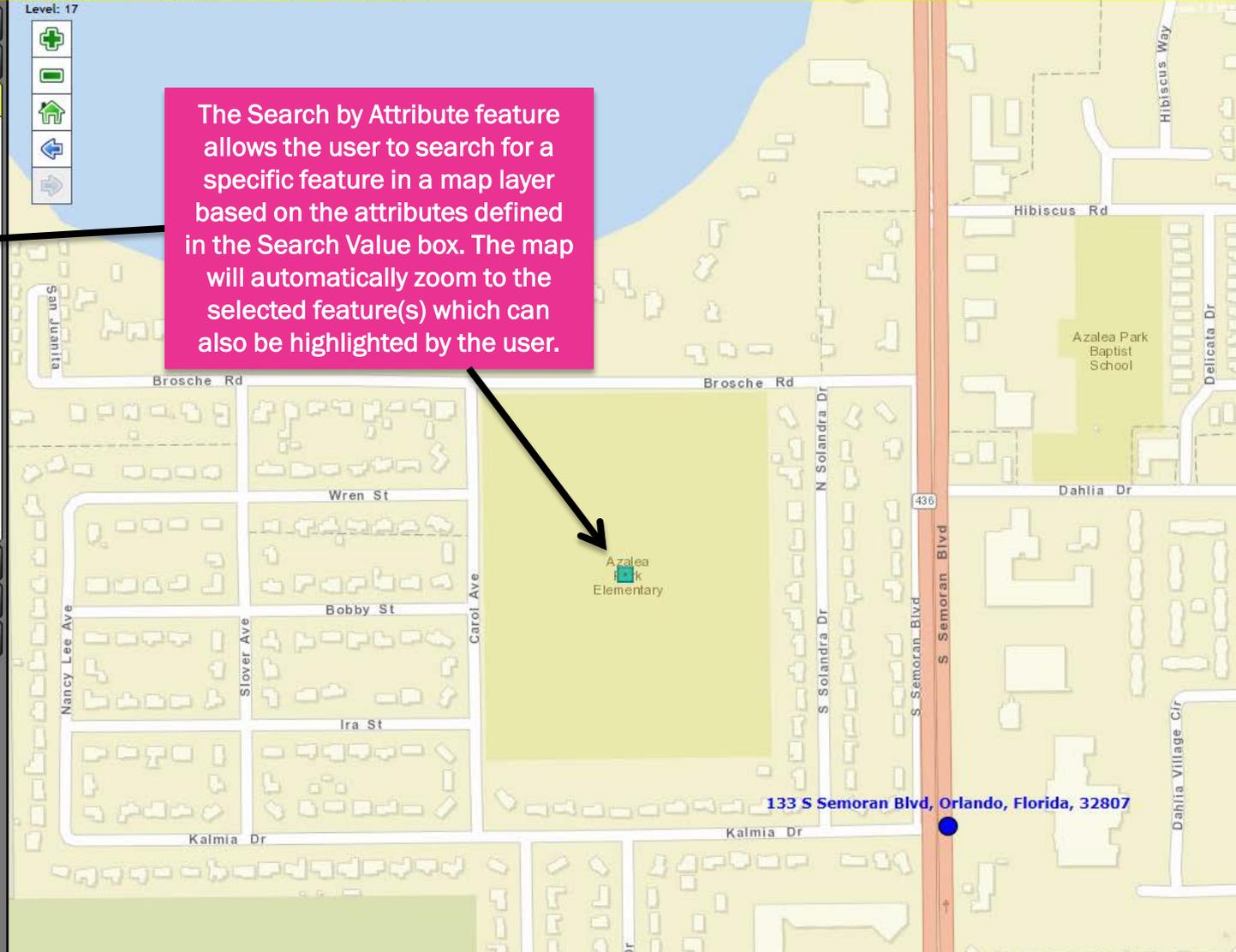
Schools

<a href="#">Highlight this feature on the map</a>	
<a href="#">Print attribute table</a>	
School Name	Azalea Park Elementary School
School Typ	Public
Grade Level	Elementary
School District	Orange

Analysis Tools

Graphic Markup

Print Map



# Search by Attribute Feature

- Information
- Search
- Analysis Tools

**Buffer** Heat Map

Click on the map and a buffer will be created using the distance and units of measure below.

Census blocks within the buffer will be displayed and color coded based on their density within the demographic category selected below.

Buffer distance:

Demographic data:

Demographic category:

Crash data:

Demographic data transparency:

- Hide legend
- Single Family Population total from 145 - 412
  - Single Family Population total from 413 - 680
  - Single Family Population total from 681 - 948
  - Single Family Population total from 949 - 1,216
  - Single Family Population total from 1,217 - 1,488

**Injury Type Summary**

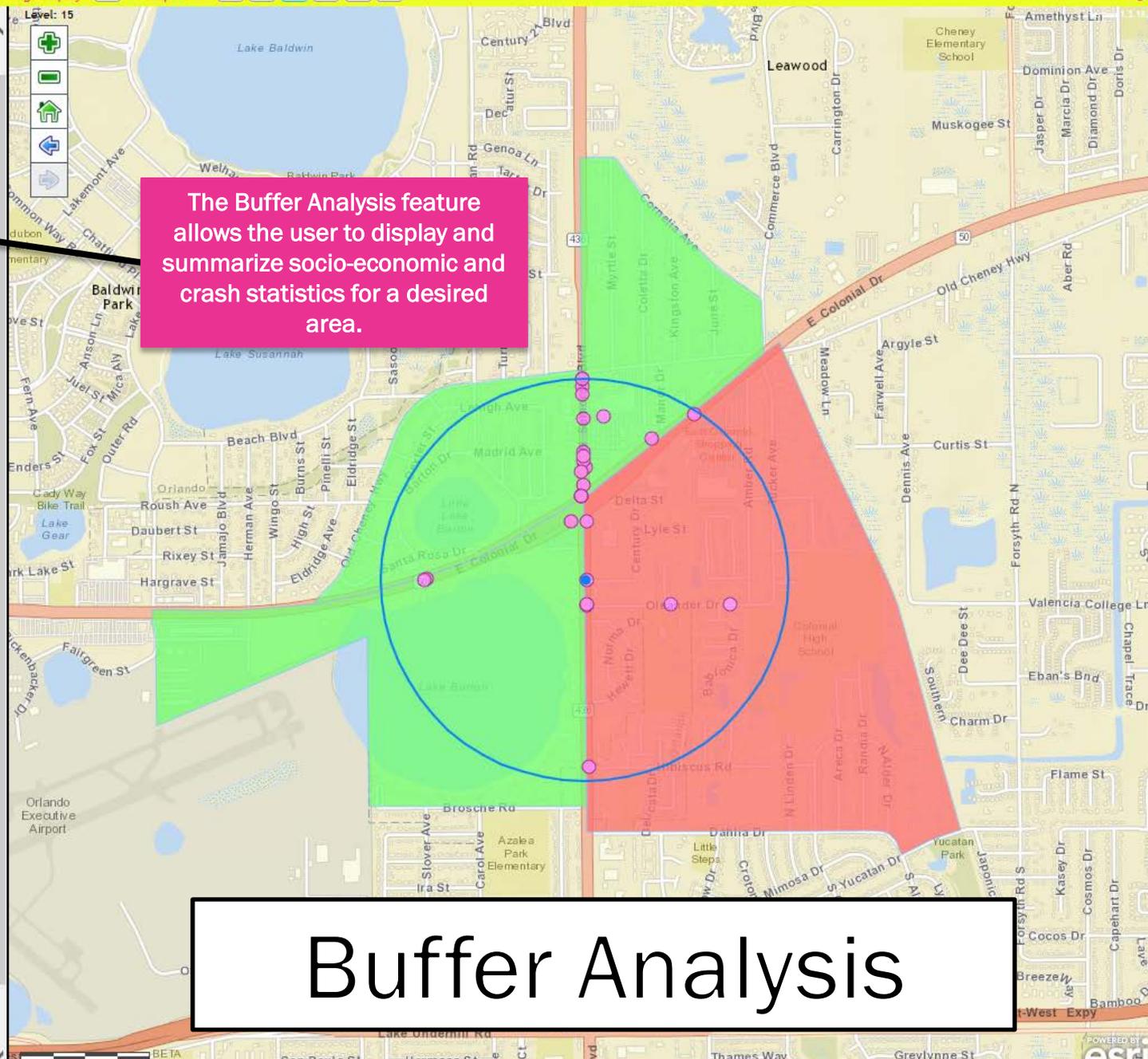
Injury Type	Total
Fatality	2
Injury	21
Property Damage Only	4

**Demographic Summary**

Category	Total	Crash Frequency
Single Family Population	2,225	1:82
Multi Family Population	977	1:36
Total Population	3,202	1:118
Hotel/Motel Population	0	1:0
Industrial Employment	410	1:15
Commercial Employment	992	1:36
Service Employment	2,210	1:81
Total Employment	3,612	1:133
School Enrollment	4,818	1:178

The Buffer Analysis feature allows the user to display and summarize socio-economic and crash statistics for a desired area.

# Buffer Analysis



- Map Legend
- Information
- Search
- Analysis Tools**
  - Buffer
  - Heat Map**
- Graphic Markup
- Print Map

**Hide Heat Map**

Create a heat map to show high crash rate areas. The controls below can be used to adjust the intensity of the rendering.

Crash data:  
Pedestrian Crashes 2011-15

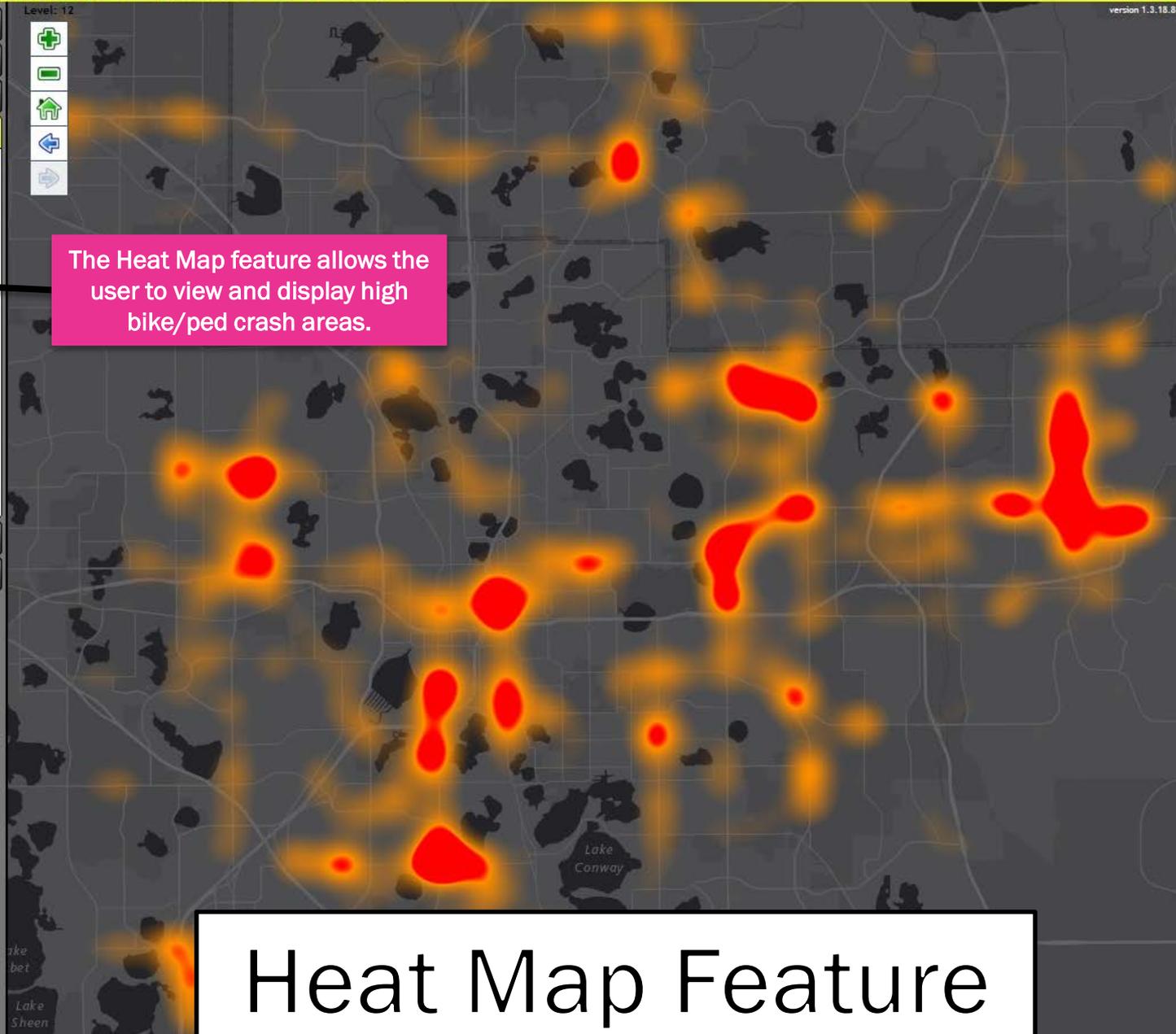
Injury type:  
All Injury Types

Blur radius

Minimum pixel intensity

Maximum pixel intensity

The Heat Map feature allows the user to view and display high bike/ped crash areas.



# Heat Map Feature



Map Legend

Information

Search

Analysis Tools

**Graphic Markup**

Select the type of graphic to add to the map.

Fill color: #ffffff

Border color: #ff0000

Line color: #0000bf

Text color: #ff0000

Font family: Verdana

Font style: Bold

Font size: 15

Enter text and click on the map:

FDOT  
D5

Clear All Graphics

Print Map

- Graphic Types:
- Point
  - Line Segment
  - Multi-point Line
  - Freehand Multi-point Line
  - Polygon
  - Freehand Polygon
  - Rectangle
  - Text

The Graphic Markup feature allows the user to draw specific features on top of the map such as points, lines, and polygons.



The Graphic Themes menu allows the user to define the color pallet for each graphic drawn on the map.

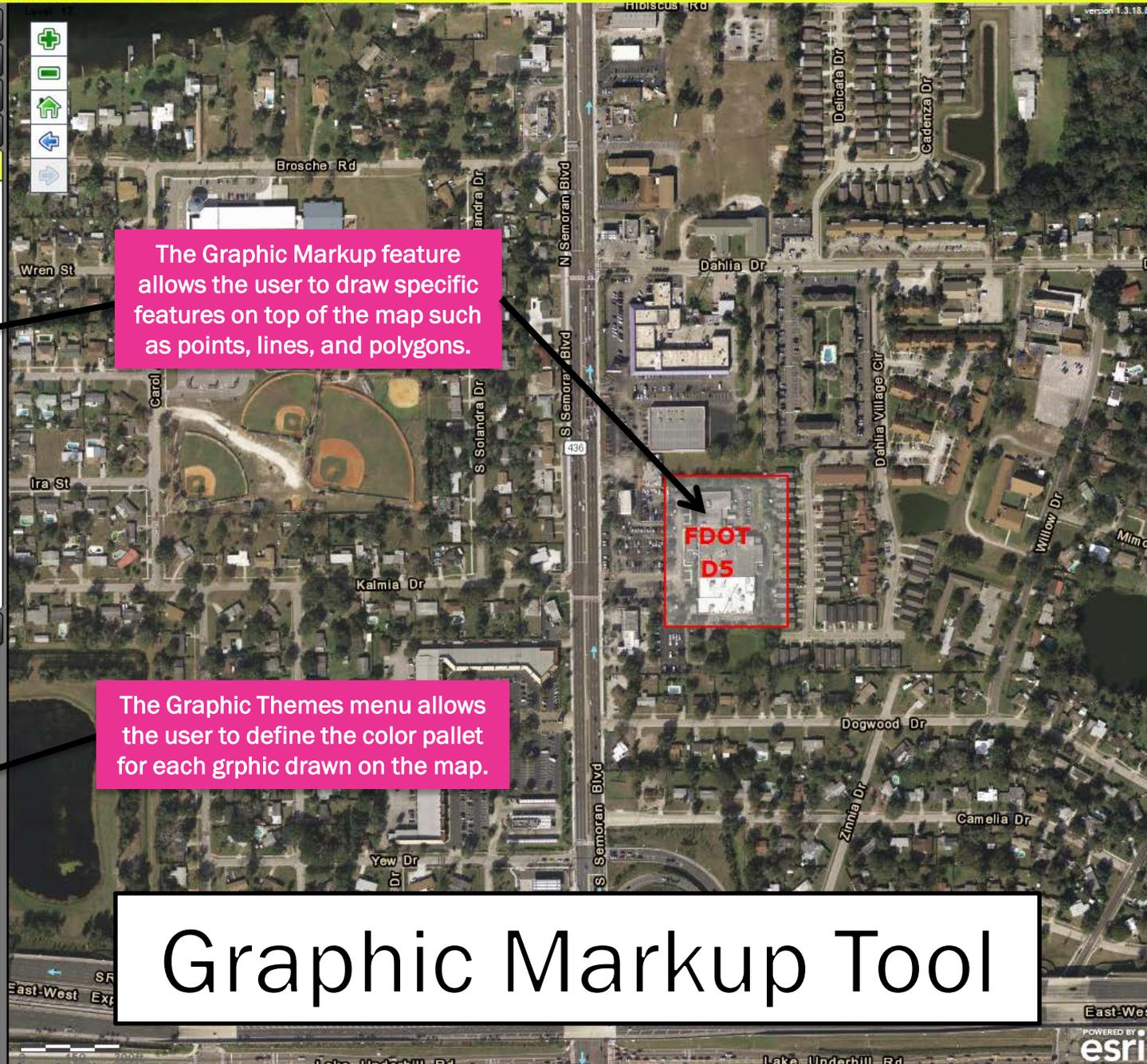
Theme Colors

Standard Colors

Web Colors History

#ff0000 #000000

# Graphic Markup Tool



- Map Legend
- Information
- Search
- Analysis Tools
- Graphic Markup
- Print Map**

Create a PDF of the current map view.

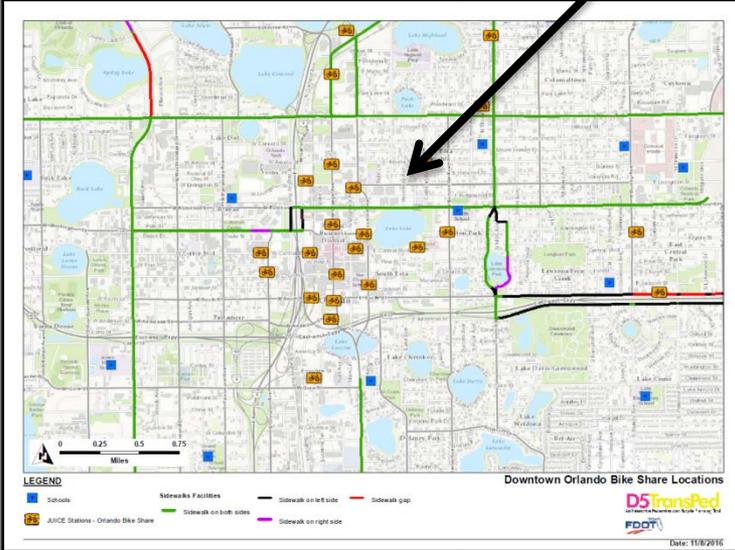
Select a print template:  
Landscape\_8-5\_11

Map title:  
Downtown Orlando Bike Share Locations

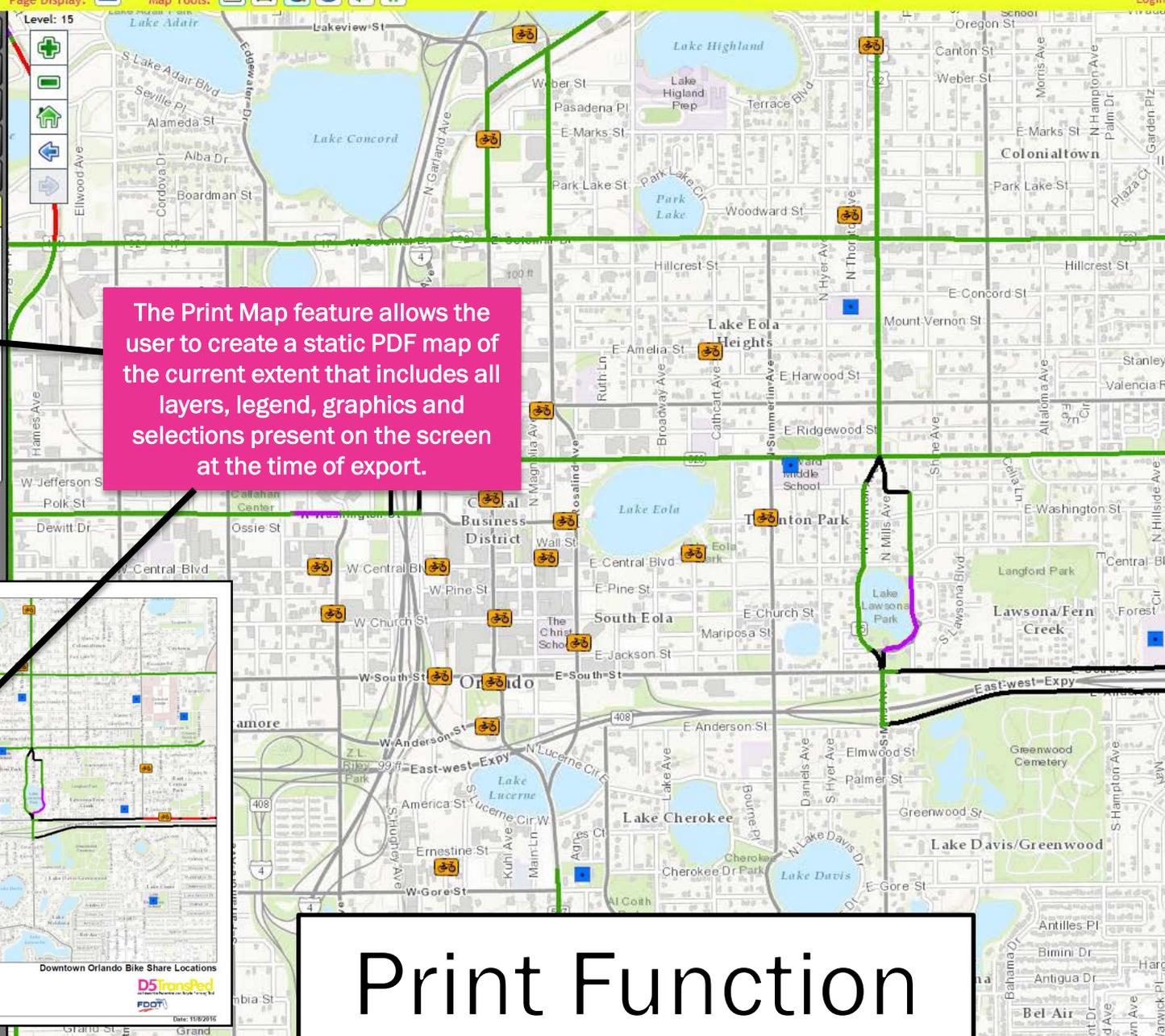
Creating PDF map...  
(This may take a minute or two)

Create PDF Map

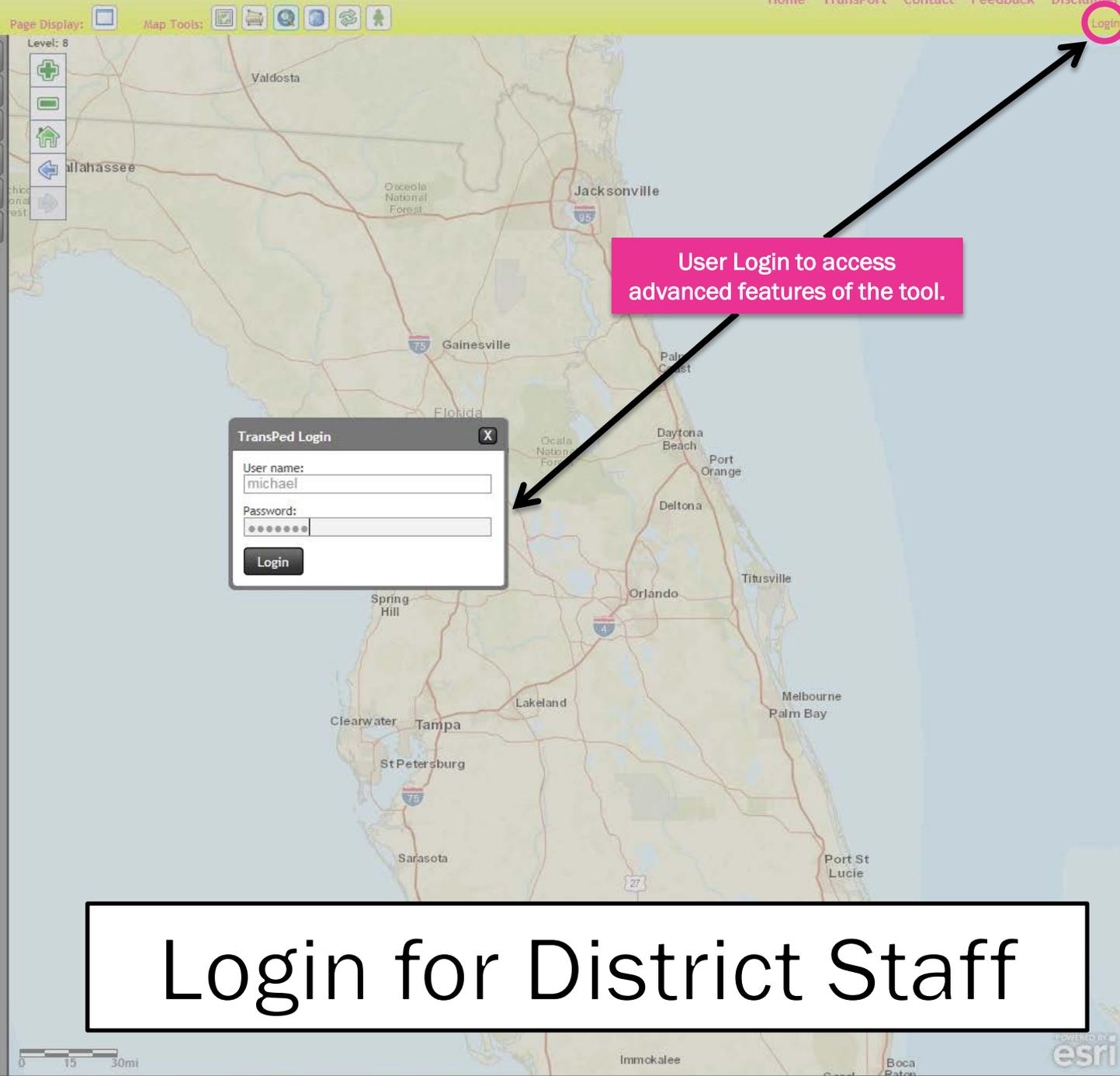
The Print Map feature allows the user to create a static PDF map of the current extent that includes all layers, legend, graphics and selections present on the screen at the time of export.



# Print Function



- ▶ Map Legend
- ▶ Information
- ▶ Search
- ▶ Analysis Tools
- ▶ Graphic Markup
- ▶ Print Map



User Login to access advanced features of the tool.

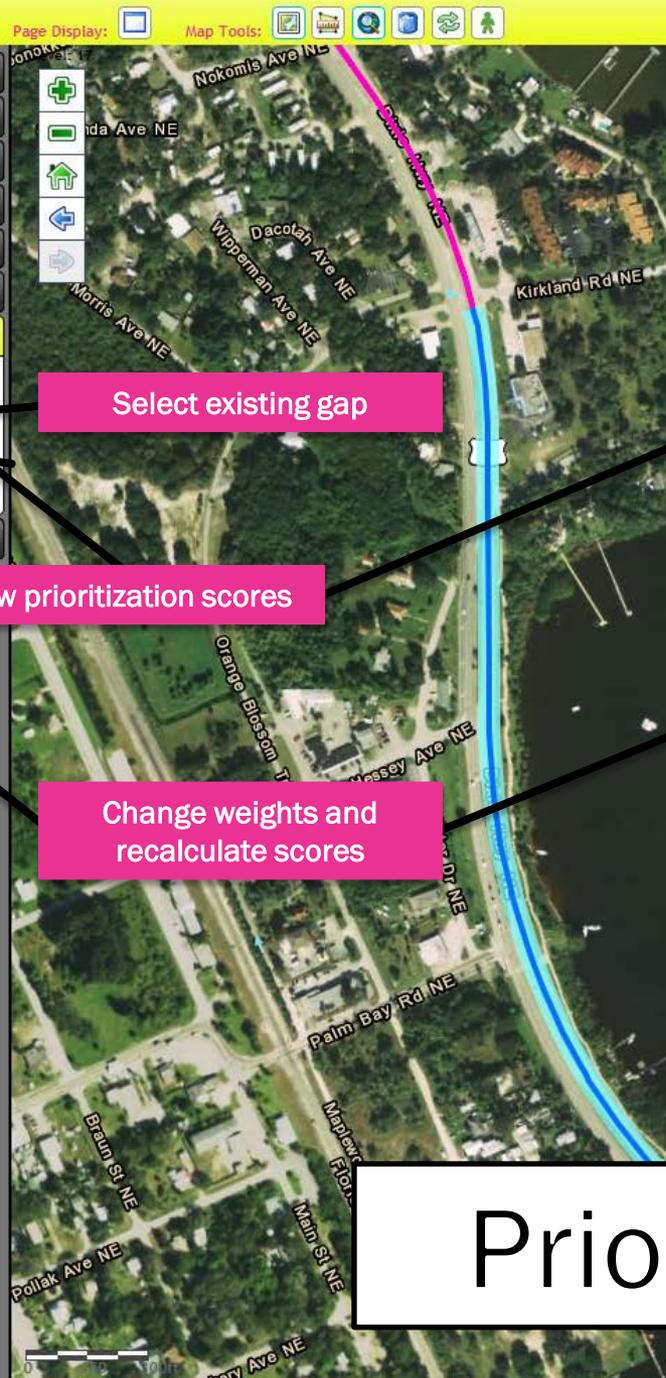
**TransPed Login** [X]

User name:

Password:

**Login for District Staff**

- ▶ Map Legend
- ▶ Information
- ▶ Search
- ▶ Analysis Tools
- ▶ Graphic Markup
- ▶ Print Map
- ▼ Sidewalk Gap Prioritization
- + Add New Gap    Create Prioritization Report
- Sidewalk Gaps:  
Brevard-013  Show scores
- Recalculate Scores    Print Detail Report
- ▶ Bookmarks



Gap Id: Brevard-013      Prioritization Results      County: Brevard

Category	Criteria	Value	Points	Weight	Total
1. Safety and Security	Number of Pedestrian Crashes	0	0	25%	0.0
	Number of Pedestrian Fatalities	0	0		
2. Agile, Resilient and Quality	Closing System Gap	Partial Gap	0	10%	2.0
	Pavement Condition	3.4	10		
	Pedestrian LOS (Level of Service)	C	10		
3. Efficient and Reliable Mobility	Pedestrian Demand 2010	11.0	30	15%	6.0
	Means of Transportation to Work	2.5	10		
4. More Transportation Choices	Near Regional Transit (SunRail, Intercity/region)	No	0	20%	6.0
	Near Commuter Sites (Bus Stops, Trails, Bike Share, Park&Ride)	Yes	20		
	Underserved Populations	10.0	10		
	Population Density 2010	2.305	15		
5. Economic Competitiveness	Employment Density 2010	0.943	10	10%	2.5
	Hotel/Motel Density 2010	0.000	0		
	Access to Schools	3/4 Mile	15		
6. Quality Places	Access to Community Facilities	1/4 Mile	25	15%	13.5
	Pedestrian Friendly Land Use	Yes	25		
	Within an Urban Area	Yes	25		
7. Environment and Conservation	Floodplains or Wetlands	Outside	100	5%	6.0
	Traffic LOS	C	20		
<b>Prioritization Total</b>				<b>100%</b>	<b>36.00</b>

Change Weights    Reset Weights     Top priority

Select existing gap

View prioritization scores

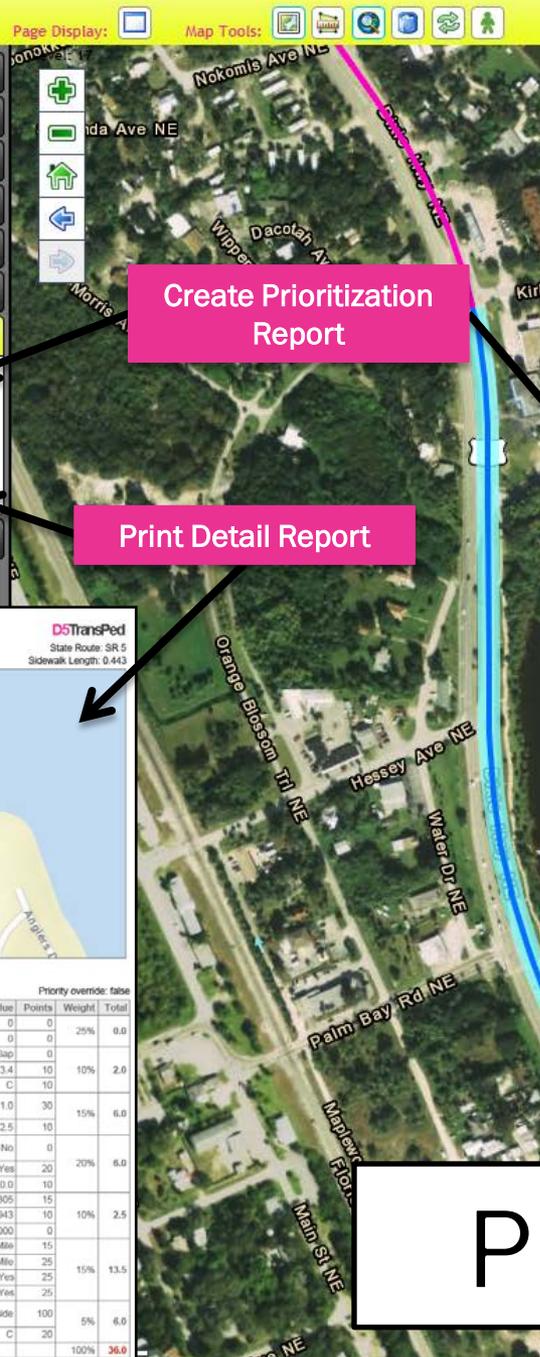
Change weights and recalculate scores

Reset weights to default

Make top priority

# Prioritization

- ▶ Map Legend
- ▶ Information
- ▶ Search
- ▶ Analysis Tools
- ▶ Graphic Markup
- ▶ Print Map
- ▼ Sidewalk Gap Prioritization
- + Add New Gap
Create Prioritization Report
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 Brevard-013  Show scores
- Recalculate Scores Print Detail Report
- ▶ Bookmarks



### Gap Prioritization Report

Check a box in the first column to select a sidewalk gap. Check the box in the header row to select all gaps.

Drag a rectangle on the map to select one or more gaps.

Click a column name to sort the gaps on that column. To filter the gap list, select a county name from the drop down list. Only those counties will be displayed.

Shift click on a gap (Gap ID) value to zoom to that gap on the map.

Click the Print Prioritization Report button to create a summary report of the selected gaps.

New Selection Add to Selection Remove from Selection Move Selected Gaps to the Top

<input type="checkbox"/>	Rank	County	Gap ID	Roadway ID	From MP	To MP	Score	Top Priority	Date Modified
<input type="checkbox"/>	6	Brevard	Brevard-042	70020000	28.66	29.82	70	False	Oct 17 2016 11:29AM
<input type="checkbox"/>	8	Brevard	Brevard-032	70020000	23.77	25.71	68.75	False	Oct 17 2016 11:28AM
<input type="checkbox"/>	10	Brevard	Brevard-189	70100000	5.04	5.80	68	False	Oct 17 2016 11:51AM
<input type="checkbox"/>	13	Brevard	Brevard-002	70001000	0.18	4.40	66.75	False	Oct 17 2016 11:23AM
<input type="checkbox"/>	16	Brevard	Brevard-106	70060000	18.04	20.51	66	False	Oct 17 2016 11:38AM
<input type="checkbox"/>	34	Brevard	Brevard-128	70060000	29.45	30.33	60.75	False	Oct 17 2016 11:41AM
<input type="checkbox"/>	42	Brevard	Brevard-212	70110000	0.00	5.27	58	False	Oct 17 2016 11:55AM
<input type="checkbox"/>	45	Brevard	Brevard-130	70060000	30.35	30.37	57.75	False	Oct 17 2016 11:42AM
<input type="checkbox"/>	49	Brevard	Brevard-111	70060000	22.73	23.05	57.25	False	Oct 17 2016 11:38AM
<input type="checkbox"/>	52	Brevard	Brevard-184	70080000	0.75	0.78	56.5	False	Oct 17 2016 11:50AM
<input type="checkbox"/>	54	Brevard	Brevard-010	70010000	2.33	13.33	56.25	False	Oct 17 2016 11:24AM

Print Prioritization Report

### Sidewalk Gap Prioritization Detail Report

Gap Id: Brevard-013  
Roadway Id: 70010000  
Brevard County  
State Route: SR 5  
Sidewalk Length: 0.443

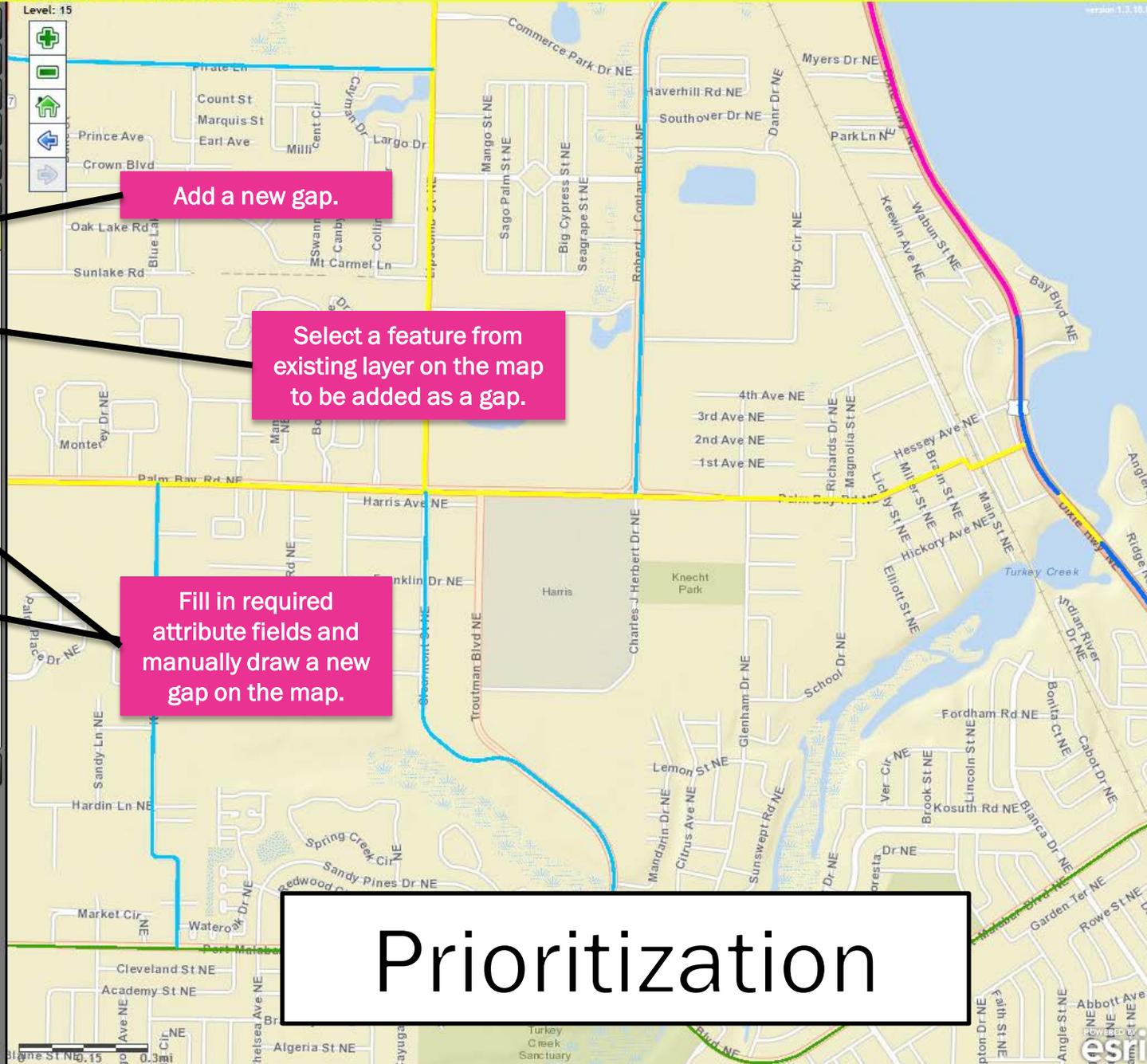
Sidewalk Gap Type: Partial Gap - SW missing on one roadside

Category	Criteria	Value	Points	Weight	Total
1. Safety and Security	Number of Pedestrian Crashes	0	0	25%	0.0
	Number of Pedestrian Fatalities	0	0		
	Closing System Gap	Partial Gap	0		
2. Agile, Resilient and Quality	Pavement Condition	3.4	10	10%	2.0
	Pedestrian LOS (Level of Service)	C	10		
3. Efficient and Reliable Mobility	Pedestrian Demand 2010	11.0	30	15%	6.0
	Method of Commute to Work	2.5	10		
4. More Transportation Choices	Near Regional Transit (SunRail, Intercity-region)	No	0		
	Near Commuter Sites (Bus Stops, Trails, Park&Ride)	Yes	20	20%	6.0
	Underserved Populations	10.0	10		
5. Economic Competitiveness	Population Density 2010	2,305	15		
	Employment Density 2010	0.943	10	10%	2.5
	Hotels/Motel Density 2010	0.000	0		
	Access to Schools	3/4 Mile	15		
6. Quality Places	Access to Community Facilities	1/4 Mile	25	15%	13.5
	Pedestrian Friendly Land Use	Yes	25		
	Within an Urban Area	Yes	25		
7. Environmental and Conservation	Floodplains or Wetlands	Outside	100	5%	6.0
	Traffic LOS (Level of Service)	C	20		
Prioritization Total				100%	<b>36.0</b>

# Prioritization

Print Prioritization Report

- Map Legend
- Information
- Search
- Analysis Tools
- Graphic Markup
- Print Map
- Sidewalk Gap Prioritization**
- 
- 
- Click the 'Select Feature on the Map' button, then click on a feature on the map that will be used to define the new project. The 'New Feature Values' fields will automatically be populated using the values from the selected feature.
- Map layer to copy from:
- New Feature Values**  
(Automatically populated when feature selected)
- Roadway Id:   
Roadside:
- State route#:
- Begin post:  End post:
- 
- Sidewalk Gaps:
- Bookmarks



Add a new gap.

Select a feature from existing layer on the map to be added as a gap.

Fill in required attribute fields and manually draw a new gap on the map.

# Prioritization

- Map Legend
- Information
- Search
- Analysis Tools
- Graphic Markup
- Print Map
- Sidewalk Gap Prioritization

**Bookmarks**

Add Bookmark

FDOT D5 Urban Office successfully updated.

Personal bookmarks:  
FDOT D5 Urban Office

Bookmark links:  
1. FDOT D5

Edit bookmark: FDOT D5 Urban Office

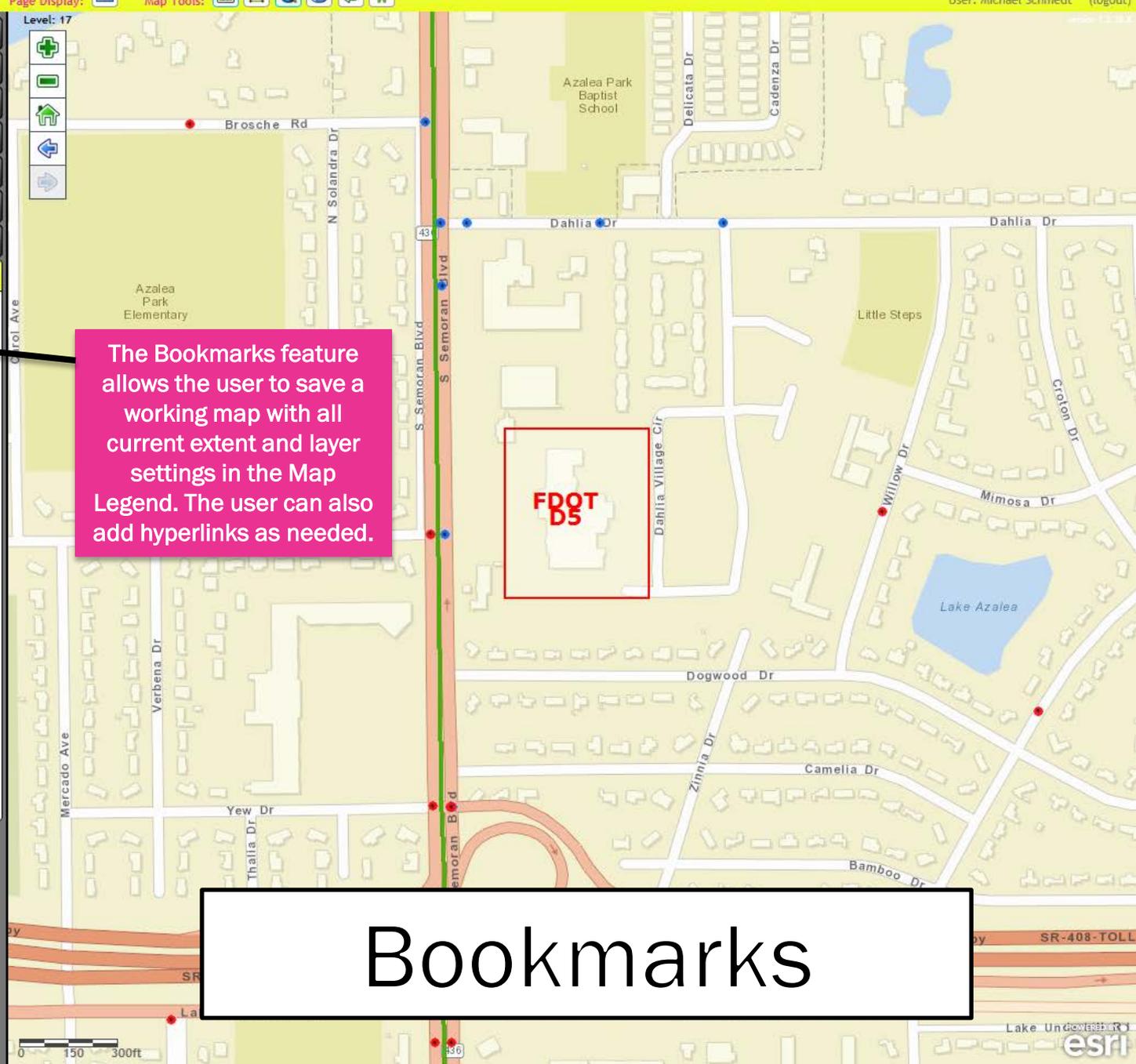
Bookmark name:  
FDOT D5 Urban Office

Add Link

Link 1:  
Name: FDOT D5

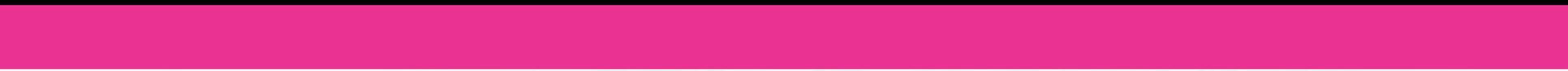
Link:  
<http://www.fdot.gov/info/moreDOT/districts>

Note: The bookmark extent will also be updated using the current map extent.



The Bookmarks feature allows the user to save a working map with all current extent and layer settings in the Map Legend. The user can also add hyperlinks as needed.

# Bookmarks



**John Zielinski**  
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SIS Administrator  
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**Deborah Tyrone**  
FDOT District Five  
Pedestrian/Bicycle Coordinator  
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(407) 482-7897  
[deborah.tyrone@dot.state.fl.us](mailto:deborah.tyrone@dot.state.fl.us)