



# SAPFIM

## Safe and Accessible Pedestrian Facility Inventory Model

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FABIAN CEVALLOS, PH.D.

TRANSIT PROGRAM DIRECTOR

LEHMAN CENTER FOR TRANSPORTATION RESEARCH (LCTR)

FLORIDA INTERNATIONAL UNIVERSITY (FIU)

# Introduction

- What's SAPFIM?
- A web-based system designed for the collection, update, and management of pedestrian facilities such as sidewalks, curb ramps, and crosswalks.





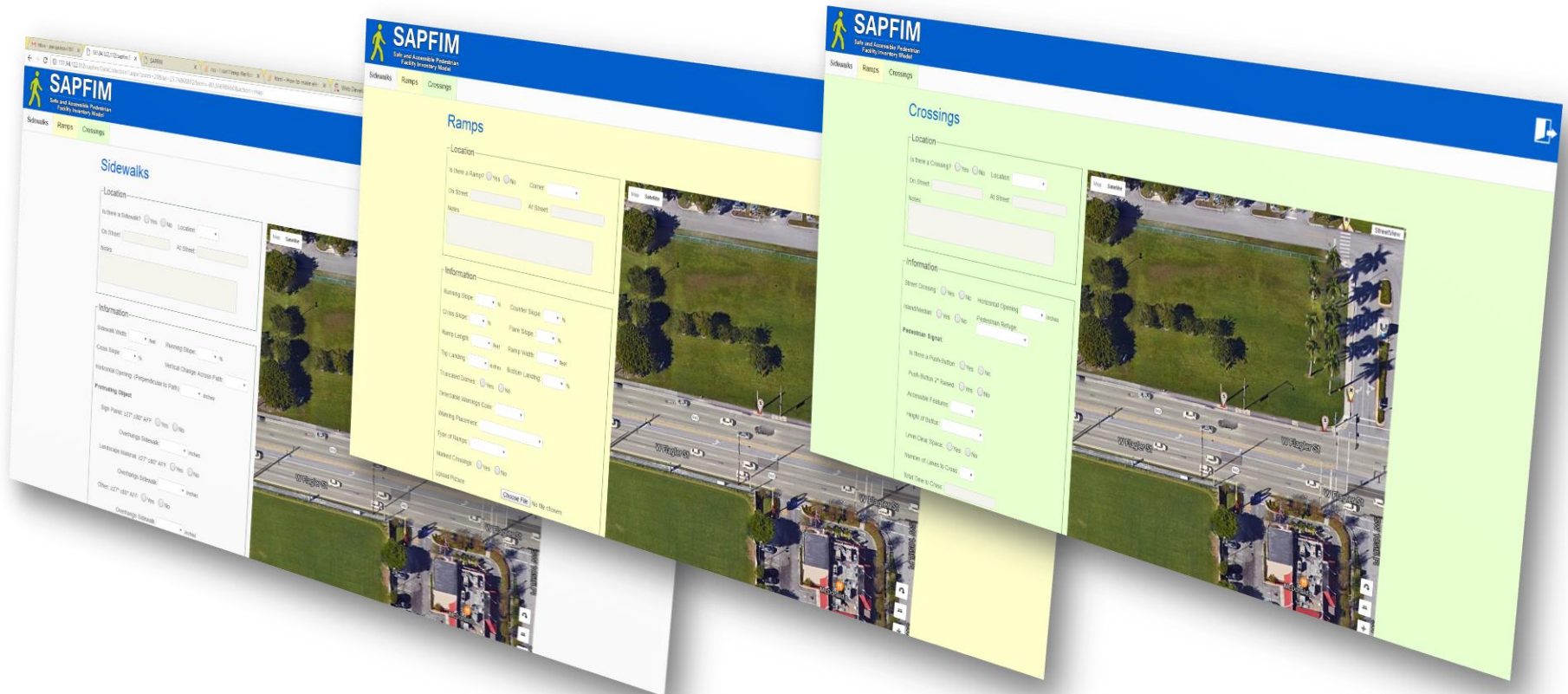
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SAPFIM is a web-based system that uses Microsoft SQL Server as the back-end database. This version provides the following major key features:

- Accessible through a web browser
- Collection of over 80 standard pedestrian facilities attributes, including geographic locations and digital photos
- Google Map capability
- Easy updates of existing pedestrian facilities records in the field or any location
- Export to different formats: CSV, GIS shapefiles, and JPG for pictures
- View and print maps and reports
- Run Queries and much more

# Objective

- To provide training and technical assistance for a successful implementation, usage, and management of SAPFIM.



# How SAPFIM works?

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Users can access SAPFIM through a web browser using a computer, tablet, smartphone, or laptop.

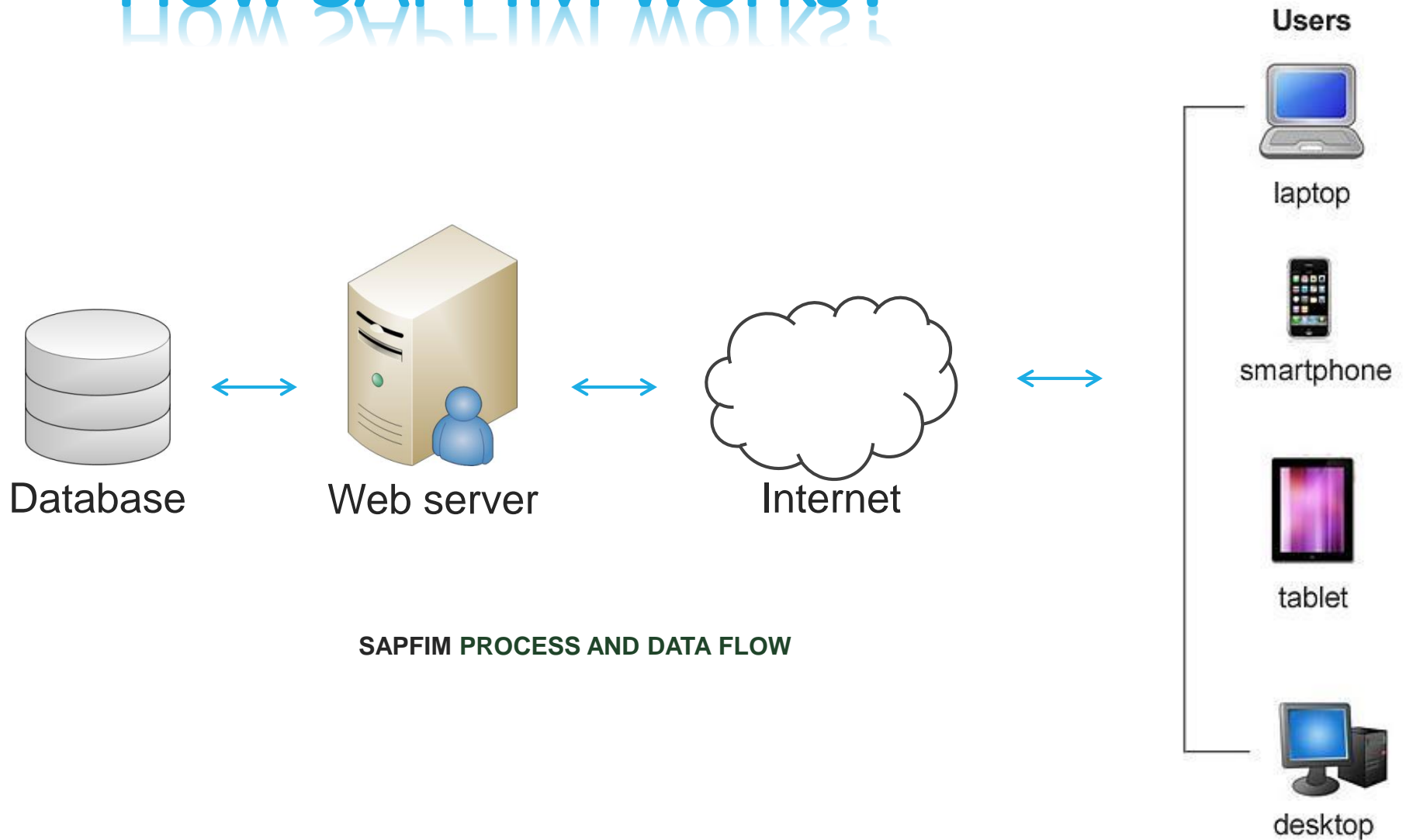
For field work, the system can run on a wireless device that has internet access.

The system has the capability to store multiple pictures in the database.

After the pedestrian facility information has been entered, users can save the information that will be uploaded to the SAPFIM database.

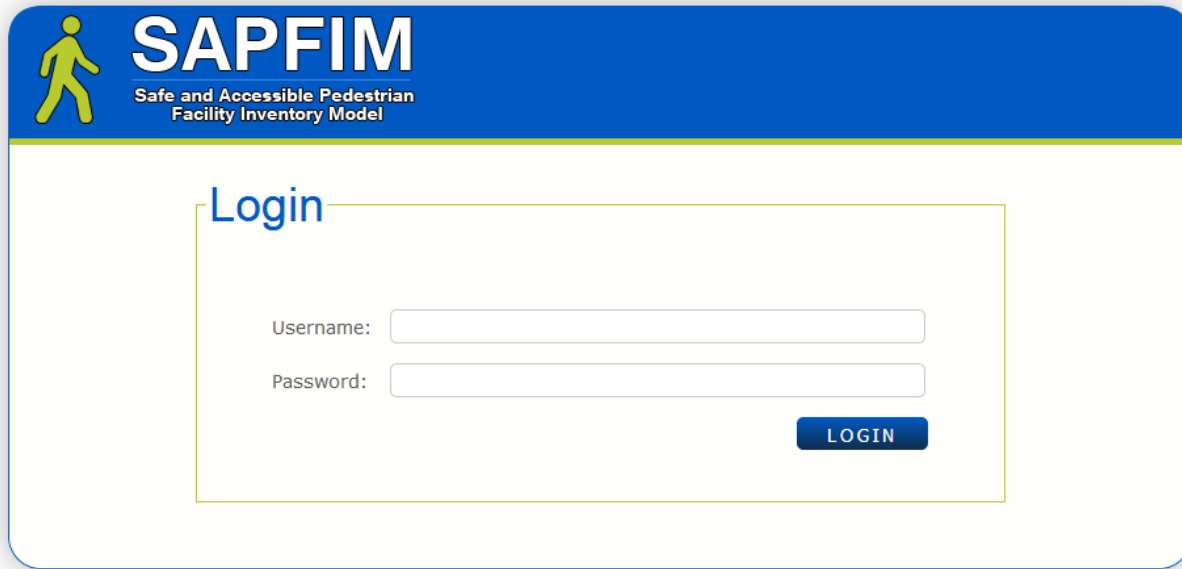
Information can also be entered or edited from an office computer with internet access.

# How SAPFIM works?



# Logging In

Users must have an authorized username and password to log into the SAPFIM web-based application.

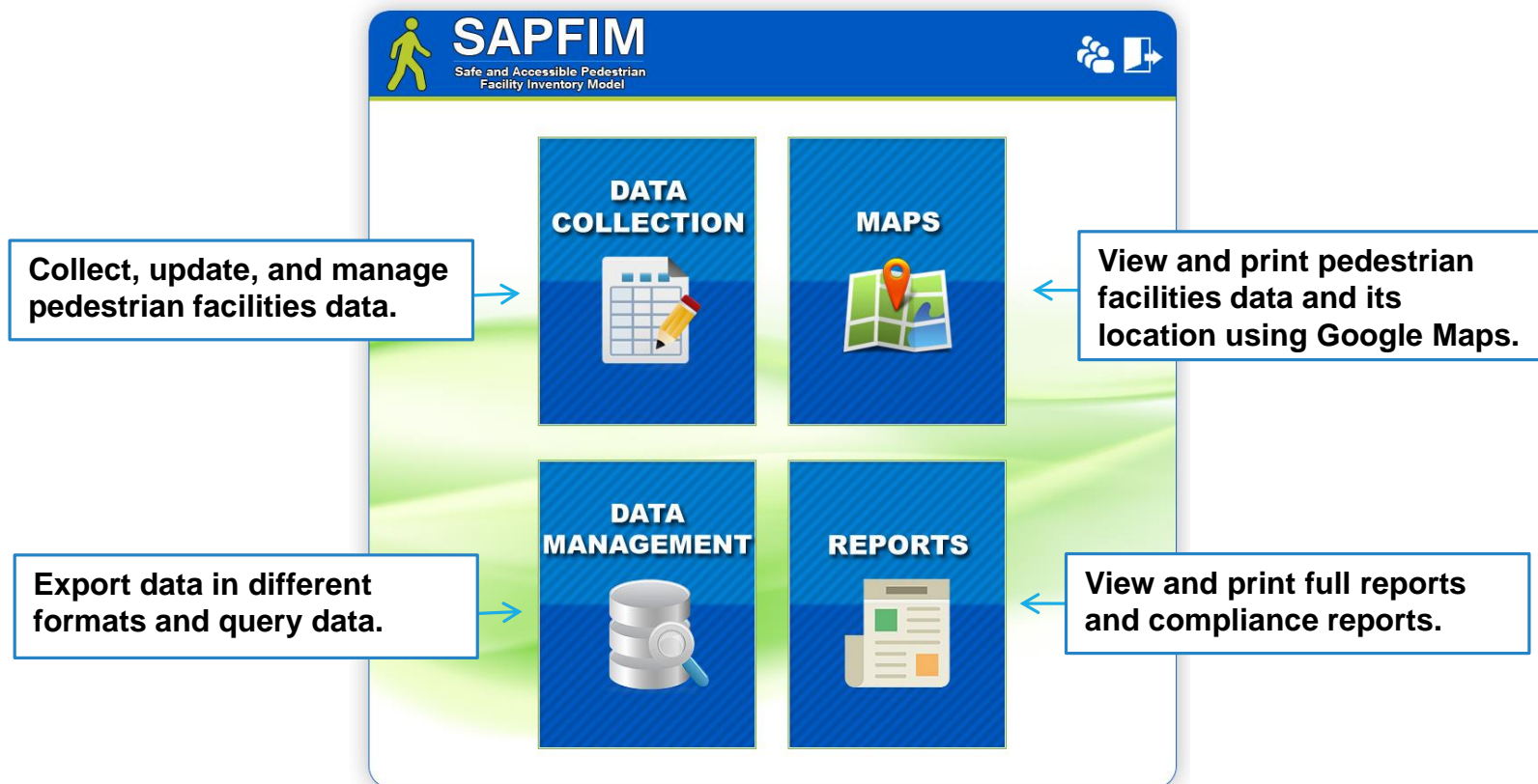


The image shows a screenshot of the SAPFIM web-based application login page. The header is blue with a yellow pedestrian icon on the left. To the right of the icon, the text 'SAPFIM' is in large white letters, and below it, 'Safe and Accessible Pedestrian Facility Inventory Model' is in smaller white text. The main content area is white and contains a 'Login' section. This section is enclosed in a thin yellow border and includes the word 'Login' in blue text at the top left. Below this, there are two input fields: 'Username:' followed by a text box, and 'Password:' followed by a text box. To the right of these fields is a blue button with the word 'LOGIN' in white capital letters.

[www.sapfim.fiu.edu](http://www.sapfim.fiu.edu)

# SAPFIM's Main Menu

After logging in, you will see SAPFIM main screen.

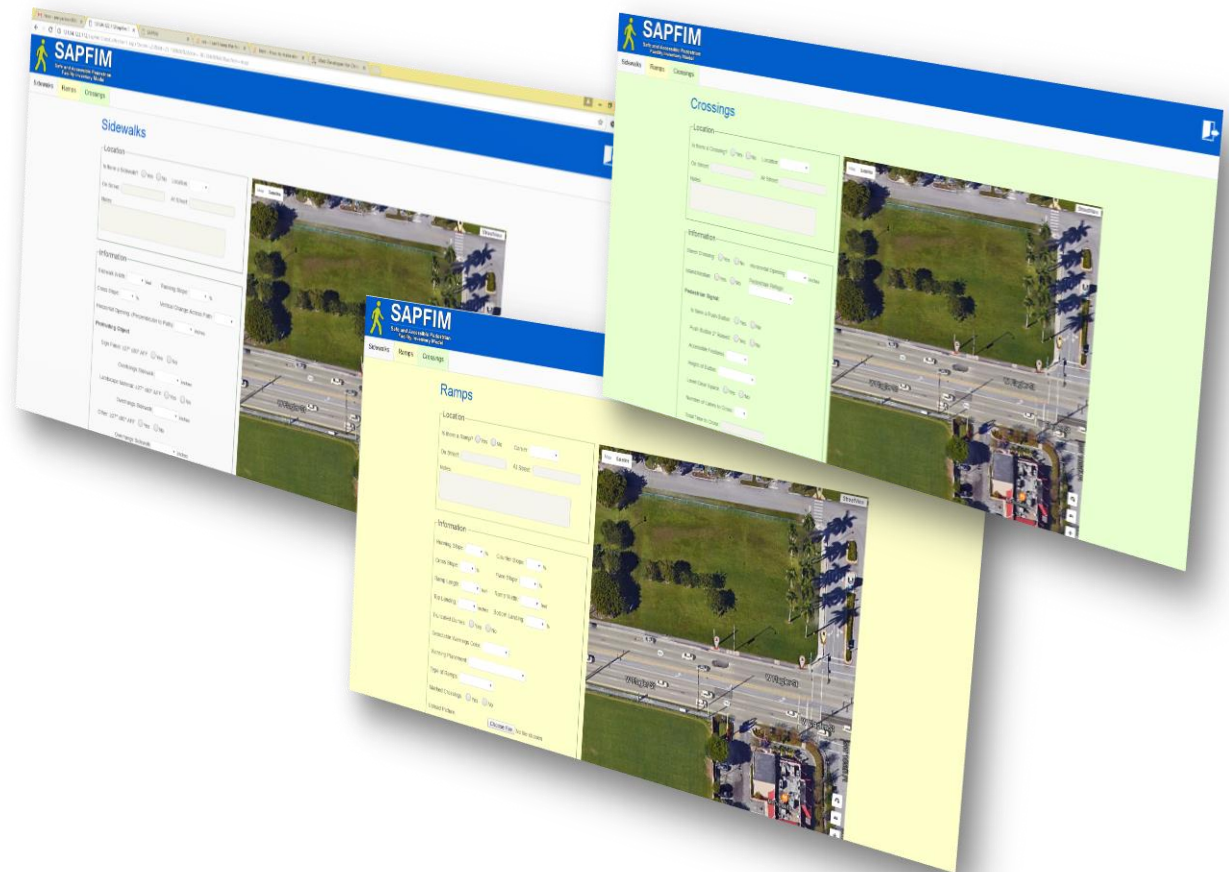




# Data Collection


There are three sections in the data collection component, as follows:

1. Sidewalks
2. Ramps
3. Crossings



# Sidewalks

## 1. Sidewalk - The collection of Sidewalk Attributes

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Safe and Accessible Pedestrian  
Facility Inventory Model

SidewalksRampsCrossings

### Sidewalks

Location

Is there a Sidewalk? ☐ Yes ☐ No Location:

On Street:  At Street:

Notes:

Information

Sidewalk Width:  feet Running Slope:  %

Cross Slope:  % Vertical Change Across Path:

Horizontal Opening: (Perpendicular to Path)  inches

Protruding Object

Sign Panel:  $\geq 27"$   $\leq 80"$  AFF ☐ Yes ☐ No

Overhangs Sidewalk:  inches


Landscape Material:  $\geq 27"$   $\leq 80"$  AFF ☐ Yes ☐ No

Overhangs Sidewalk:  inches

Other:  $\geq 27"$   $\leq 80"$  AFF ☐ Yes ☐ No

Overhangs Sidewalk:  inches

Map Satellite



StreetView

# Sidewalks Criteria

Sidewalks (Street Name, Side) (Photos)					
Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Sidewalk	Sidewalk	Is there a Sidewalk?	Yes/No		
Sidewalk Width	General Width		<36" ≥36" <48" ≥48"	≥36"	≥48"
Running Slope	Running Slope		≤8.3% or >8.3%	≤8.3%	≤8.3%
Cross Slope	Cross Slope		≤2% or >2%	≤2%	≤2%
Vertical Change	Vertical Change in Level (Joint or Crack) Tripping Hazard	Across path	≤1/4" or >1/4"	≤1/4" Vertical	≤1/4" Vertical
			≤1/2" or >1/2"	≤1/2" Sloped	≤1/2" Sloped
Horizontal Opening	Horizontal Opening (Joint or Grate)	Perpendicular to path	≤1/2" or >1/2"	≤1/2" Opening	≤1/2" Opening

# Sidewalks Criteria

Sidewalks (Street Name, Side) (Photos)					
Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Protruding Object	Protruding Object (Horizontal offset)	Sign Panel (On Post, Wall, Other)	≥27" ≤80" AWS (Yes/No) ≤4" >4" ≤12" >12"	≥27" ≤80" Above Walking Surface (AWS) ≤12" on Post ≤ 4" on Wall	≥27" ≤80" Above Walking Surface (AWS) ≤ 4" on Post ≤ 4" on Wall
		Landscape Material (On Post, Wall, Other)	≥27" ≤80" AWS (Yes/No) ≤4" >4" ≤12" >12"		
		Other (On Post, Wall, Other)	≥27" ≤80" AWS (Yes/No) ≤4" >4" ≤12" >12"		
Physical Constraint	Physical Constraint	Building	<36" clear width ≥36" <48" clear width ≥48" clear width	≥36"	≥48"
		Retaining Wall	<36" clear width ≥36" <48" clear width ≥48" clear width	≥36"	≥48"
		Other	<36" clear width ≥36" <48" clear width ≥48" clear width	≥36"	≥48"

# Sidewalks Criteria

Sidewalks (Street Name, Side) (Photos)					
Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Connects To Other Facility	Connects To Other Facility	To other sidewalk, to building entrance, etc.	Yes/No		
Sidewalk Gap	Discontinuity of Sidewalk	Length of Gap	$\leq 5'$ $> 5' \leq 10'$ $> 10'$		
Material	Material		Concrete Asphalt Brick Other		
Condition	Condition		Good Cracks Dirt Grass Other		
Roadway Cross Section	Roadway cross-section	Curb and Gutter	Yes / No		
		Flush shoulder	Yes / No		

# Sidewalks Criteria

Sidewalks (Street Name, Side) (Photos)					
Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Sidewalk Separation	Sidewalk Separation	Separated from road	Curb & Gutter: Utility Strip <2' or ≥ 2'		≥2' if curb & gutter, or ≥5' if flush shoulder
			Flush Shoulder: Utility Strip <5' or ≥ 5'		
		Not separated	Curb & Gutter: Back of Curb	Sidewalk not allowed adjacent to flush shoulder roadway	Sidewalk not allowed adjacent to flush shoulder roadway
Drop-off Hazard	Drop-off hazard	>10" drop w/in 24"	>10" drop w/in 24" (Yes/No)		>10" drop w/in 24"
		Protected by railing	Yes / No		
		Other protection	Yes / No		
Obstruction	Obstruction in Sidewalk ≤24"	Utility Pole	<32" or ≥32"	≥32"	≥32"

# Sidewalks Criteria

Sidewalks (Street Name, Side) (Photos)					
Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Obstruction	Obstruction in Sidewalk ≤24"	Utility Pole	<32" or ≥32"	≥32"	≥32"
		Signal Pole	<32"		≥48"
			≥32" <48"		
			≥48"		
		Sign Post	<32"		≥48"
			≥32" <48"		
			≥48"		
		Fire Hydrant	<32" or ≥32"		
		Furniture/Amenities	<32"		≥48"
			≥32" <48"		
			≥48"		
		Landscaping/Hardscape	<32"		≥48"
			≥32" <48"		
			≥48"		
		Trees/Vegetation	<32"		≥48"
			≥32" <48"		
			≥48"		
		Other	<32"		≥48"
			≥32" <48"		
			≥48"		
Lighting	Lighting	Roadway/high-level	Yes / No		
		Pedestrian/low-level	Yes / No		

# Sidewalk Pictures



**Good.**



**Bad – Change in Level**



**Bad – Pole in Middle**




**Bad – Sidewalk Gap**



# Ramps

## 1. Ramp - The collection of Ramps Attributes

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SidewalksRampsCrossings

### Ramps

**Location**

Is there a Ramp? ☐ Yes ☐ No Corner:

On Street:  At Street:

Notes:

**Information**

Running Slope:  % Counter Slope:  %

Cross Slope:  % Flare Slope:  %

Ramp Length:  feet Ramp Width:  feet

Top Landing:  inches Bottom Landing:  %

Truncated Domes: ☐ Yes ☐ No


Detectable Warnings Color:

Warning Placement:

Type of Ramps:

Marked Crossings: ☐ Yes ☐ No

Upload Picture:  No file chosen



# Ramps Criteria

Curb ramps & Blended Transition (Intersection, Corner) (Photo)

Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Curb Ramp	Curb Ramp	Is there a Curb Ramp?	Yes/No		
Running Slope	Running Slope	Slope of curb ramp	$\leq 8.3\%$ or $> 8.3\%$	$\leq 8.3\%$	$\leq 8.3\%$
Counter Slope	Gutter Slope	Gutter slope	$\leq 5\%$ or $> 5\%$	$\leq 5\%$	$\leq 5\%$
Cross Slope	Cross Slope	Top and bottom	$\leq 2\%$ or $> 2\%$	$\leq 2\%$	$\leq 2\%$
Flare Slope	Flare Slope	Both sides of ramp	$\leq 10\%$ or $> 10\%$	$\leq 10\%$	$\leq 10\%$
Ramp Length	Ramp Length	From bottom of ramp to top of ramp	$< 72''$ $\geq 72'' < 88''$ $\geq 88''$		
Ramp Width	Ramp Width	At narrowest point	$< 36''$ $\geq 36'' < 48''$ $\geq 48''$	$\geq 36''$	$\geq 48''$
Top Landing	Top Landing	Landing Width	$< 36''$ $\geq 36'' < 48''$ $\geq 48''$	$\geq 36''$	$\geq 48''$

# Ramps Criteria

**Curb ramps & Blended Transition (Intersection, Corner) (Photo)**

Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Bottom Landing	Bottom Landing	Landing Width	<48" or ≥48"	≥48"	≥48"
Detectable Warnings	Detectable Warnings	Truncated Domes	Yes/No		
		Color: <ul style="list-style-type: none"> <li>Brick Red, Yellow, Black, No Color, Other</li> </ul>	Yes/No		
Detectable Warning	Detectable Warnings Placement	Detectable Warnings Placement	≤2" from back of curb >2" ≤5' from back of curb >5' from back of curb	≤2" from Back of curb or ≤5' from Curb	≤2" from Back of curb or ≤5' from Curb
Type of Ramps	Type of Ramps		Perpendicular Parallel Combination Diagonal Other		

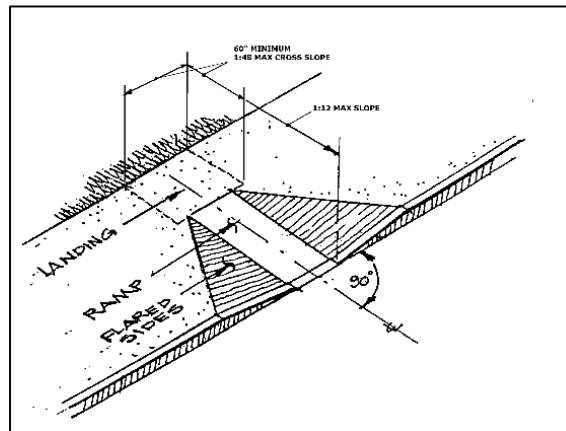
# Ramp Pictures



**Good.**



**Bad – Missing Curb Ramp**



**Parts of a Curb Ramp**

# Ramp Pictures



**Good Parallel Ramp**



**Bad – No Top Landing**



**Good Linear Ramp**

# Detectable Warning Pictures

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**Good**



**Good**



# Detectable Warning Pictures

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**Bad/Incomplete**

# Detectable Warning Pictures

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**Bad – Missing Detectable Warning**



# Crossings

## 1. Crossing - The collection of Crossing Attributes

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SidewalksRampsCrossings

### Crossings

**Location**

Is there a Crossing? ☐ Yes ☐ No Location:

On Street:  At Street:

Notes:

**Information**

Street Crossing: ☐ Yes ☐ No Horizontal Opening:  inches

Island/Median: ☐ Yes ☐ No Pedestrian Refuge:

**Pedestrian Signal:**

Is there a Push-Button: ☐ Yes ☐ No

Push-Button 2" Raised: ☐ Yes ☐ No


Accessible Features:

Height of Button:

Level Clear Space: ☐ Yes ☐ No

Number of Lanes to Cross:

Total Time to Cross:



# Crossings Criteria

Street Crossing (Intersection, Location) (Photo)

Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Street Crossing	Street Crossing	Is there a Marked Crossing?	Yes/No		
Horizontal Opening	Horizontal Opening (Joint or Grate)	Perpendicular to path	$\leq 1/2"$ or $> 1/2"$	$\leq 1/2"$	$\leq 1/2"$
Median	Island/Median		Yes/No		
		Pedestrian Refuge	60" deep x 60" wide (Yes/No) 48" deep x 60" wide (Yes/No)	48" deep x 60" wide	60" deep x 60" wide

# Crossings Criteria

Street Crossing (Intersection, Location) (Photo)

Name	Description	Detail	Measurement	ADA Standard	Public Rights-of-Way Accessibility Guidelines (PROWAG)
Pedestrian Signal	Pedestrian Signal	Is there a push-button?	Yes/No		
		Push-button	2" dia. raised (Yes/No)		2" dia. raised
		Accessible Features	Audible Tactile Other None		
		Height of Button	≤42" AWS >42" ≤48" AWS >48" AWS	≤48" AWS	≤42" AWS
		Level Clear Space	≥30"x 48" (Yes/No)	≥30"x 48"	≥30"x 48"
		Number of Lanes to Cross	1, 2, 3, 4, 5, 6, 7, 8, 9, 10		
		Total Time to Cross	Seconds		
		Measured on "Date" at "Time"	Date-Time Stamp		
Material	Material		Concrete Asphalt Brick/Paver Other		
Condition	Condition		Good Cracks Faded Other		

# Crossing Pictures

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**Good – Median Cut-Through**



**Good – Diagonal Median Cut-Through**

# Crossing Pictures

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**Good - Raised Crossing**



**Bad – No Curb Ramps at Crossing**

# Pedestrian Pushbutton Pictures

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**Good**





**Bad – Out of Reach**

# Other Functions

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SAPFIM provides additional functionality through icons located at the top of some of the pages. This section describes each of these functions.

- **Print** - This function prints records, reports, etc. To print a record, click/tap the Print icon. 
- **Log Out** - This function allows the user to log out of the SAPFIM system. To log out, simply click/tap the Log Out icon to exit the system. 

# Internet Access

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In order to use SAPFIM effectively, the data collection device should have connection to a wireless network.

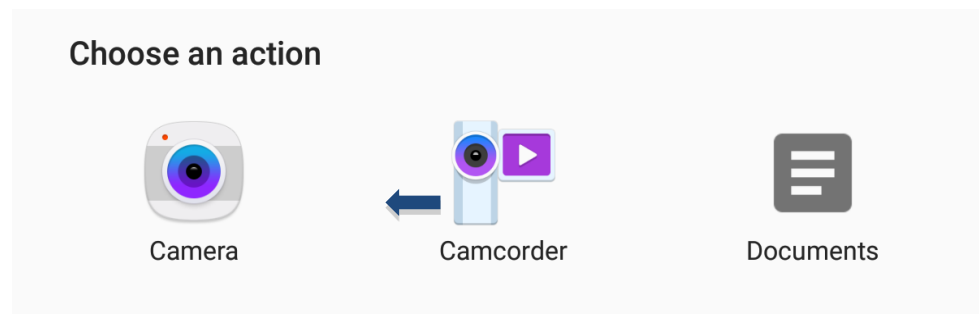
Therefore, a data plan (4G recommended) should be purchased from AT&T, Verizon, Sprint, T-Mobile, or other cellular service provider.



# Camera Upload Features

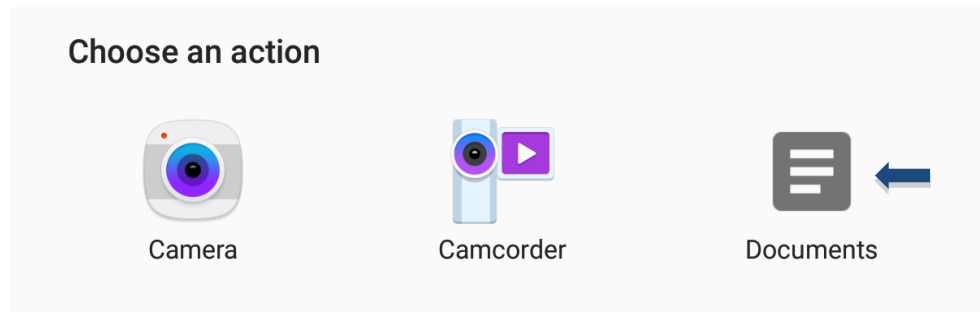
- **Uploading Images** - Allow users to upload pedestrian facilities images to the database. There are two ways to take pictures: using the camera or using the pictures stored in a computer or device.

To take pictures with an Android device, press the “Choose File” button in the data collection page, and a menu will pop up (see image below). Select the camera option. This will bring up another screen. Use the display as a viewfinder, compose the picture by aiming the lens at the subject, and touch the “Capture” button on the Android device. Then click “ok”.



# Camera Upload Features

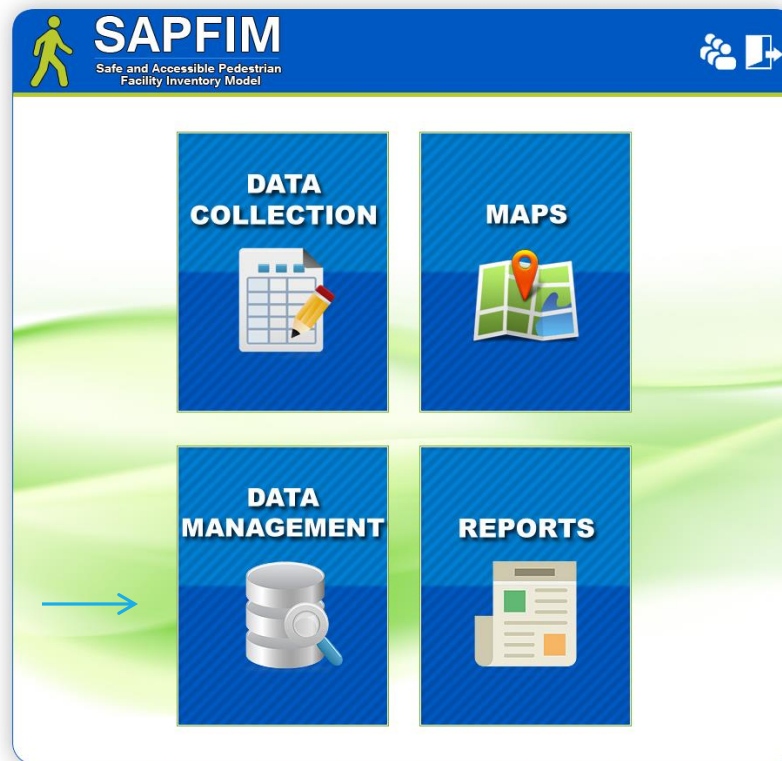
Another way to upload pictures is to select Documents (see figure below) then Gallery/Images/Photos or the folder where the images are stored. Double-click/tap on a picture to select it. The picture is now uploaded to the system after the user save the record. The images when the user select maps or reports.



Images can also be uploaded from a computer that has internet access.

# Data Management

**Data Management** - Allow users to export data and pictures, view and print reports, and generate queries.



# Data Management

In the data management component, there are two components. They include:

1. Export
2. Queries



# Data Management - Export

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**1. Export** - Allows users to export data in two different formats (CSV, GIS shapefiles) as well as to export the pedestrian facilities pictures as JPGs (Photos).

- CSV (Comma Separated Value)
- GIS (Geographic Information System shapefiles)
- Photos (JPG format)

# Data Management - Queries

**2. Queries** - Allows users to quickly retrieve pedestrian facilities based on specific criteria.

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## Queries

Query Data From: ☒ Sidewalk ☐ Ramp ☐ Crossing

Query Condition:

Column Name  Column Value

Operation with previous condition: ☐ AND ☐ OR

Query Condition Text:

Total Sidewalk Record(s): 3

No.	On Street	At Street	Location	Sidewalk Width	Running Slope	Cross Slope	Detail
1				>=36"			<a href="#">Detail</a>
2	flagler st	105 ave	South				<a href="#">Detail</a>
3	123	123	South				<a href="#">Detail</a>

# Data Management - Queries

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Query conditions act as filters for the pedestrian facilities attributes and only retrieve information that meet the specified condition(s), in which the following rules apply:

- By default, the “Query Condition” and the “Query Condition Text” are empty. Choosing Sidewalk, Ramp, or Crossing and Selecting the “Search” button while these fields are empty will retrieve the corresponding records in the database.
- Specific query conditions are chosen by selecting an option from the drop-down menus.
- Multiple query conditions may be specified using the AND/OR operators.

# Data Management - Queries

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- When multiple conditions are specified for an attribute, the “OR” logical operator is applied. For example, when “Condition = Cracks” or “Condition = Faded” are selected for Crossings, the query will return Crossings that have either condition populated in the database.
- When conditions are specified for more than one attribute, the “AND” logical operator is applied. For example, checking Type of Ramps = Perpendicular in the query condition, and adding Detectable Warnings Contrast = Yes will cause the query to only return pedestrian facilities that satisfy both conditions.
- For query applications that require other combinations of “OR” and “AND” logical operators, users should click the “Add to Query Condition” button after each condition to construct the query.



# Data Management - Queries

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Once the query specifications are completed, click the “Search” button to execute the query. All pedestrian facilities that satisfy the query conditions will be listed at the bottom of the screen. The next step will be to export the search result by clicking “Export Search Result To CSV File,” which can be used for analysis data in Excel.



# Maps

**Maps** - Allows users to view and print current pedestrian facilities and surrounding areas using Google Map



# Maps - Sidewalks

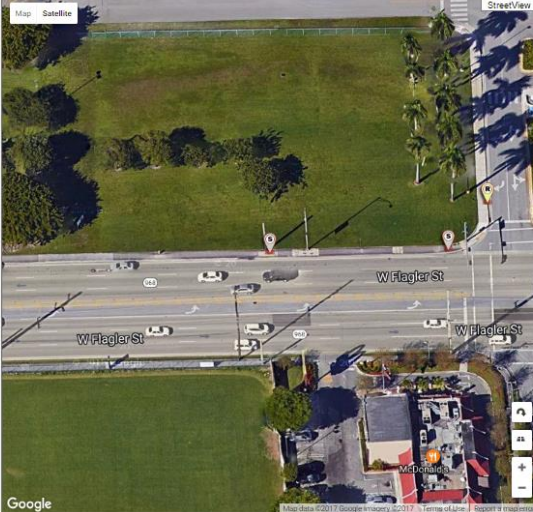
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Facility Inventory Model



SidewalksRampsCrossings

## Sidewalks

MapSatellite



Google

### Sidewalks:

#### Location

Is there a Sidewalk:

On Street:

At Street:

Notes:

#### Information

Sidewalk Width:

Cross Slope:

Horizontal Opening:

Protruding Object:

Sign Panel:

Landscape Material:

Other:

Physical Constraint:

Building:

Other:

Sidewalk Gap:

Condition:

Roadway Cross Section:

Curb and Gutter:

Sidewalk Separation:

Separated from road:

Drop-off hazard:

>10" drop w/in 24":

Other Protection:

Obstruction:

Utility Pole:

Sign Post:

Furniture/Amenities:

Trees/Vegetation:

Lighting:

Roadway/high-level:

Notes:

Running Slope:

Vertical Change Across Path:

Overhangs Sidewalk:

Overhangs Sidewalk:

Overhangs Sidewalk:

Retaining Wall:

Connects To Other Facility:

Material:

Flush Shoulder:

Not separated from road:

Protected by Railing:

Signal Pole:

Fire Hydrant:


Landscaping/Hardscape:



Other:

Pedestrian/low-level:

### Images

# Maps - Ramps

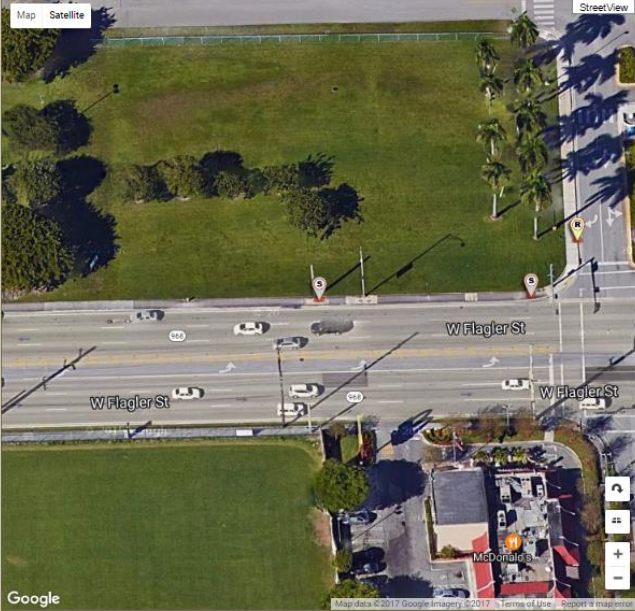
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SidewalksRampsCrossings

## Ramps

MapSatellite



StreetView

Google

Map data ©2017 Google Imagery ©2017 Terms of Use Support & Mapdata

### Ramps:

#### Location

Is there a Ramp:

Corner:

On Street:

At Street:

Notes:

#### Information

Running Slope:

Counter Slope:

Cross Slope:

Flare Slope:

Ramp Length:

Ramp Width:

Top Landing:

Bottom Landing:

Truncated Domes:

Detectable Warnings Color:

Warning Placement:


Type of Ramps:

Marked Crossings:

Notes:

Images

# Maps - Crossings

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SidewalksRampsCrossings

## Crossings

MapSatellite



StreetView

Google

Map data ©2017 Google Imagery ©2017 Terms of Use Support Imagination

### Crossings:

#### Location

Is there a Crossing:

On Street:

Notes:

Location:

At Street:

#### Information

Street Crossing:

Island/Median:

Pedestrian Signal

Is there a Push-Button:

Accessible Features:

Level Clear Space:

Total Time to Cross:

Material:

Notes:

Horizontal Opening:

Pedestrian Refuge:

Push-Button 2' Raised:

Height of Button:

Number of Lanes to Cross:

Measured on "Date" at "Time":

Condition:

Images

# Reports


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**Reports** - Allows users to generate and print reports based on information from pedestrian facilities. Reports consist of the full report and compliance report for sidewalks, ramps, and crossings.

- Full Report - full reports of all the attributes to quickly obtain important pedestrian facility information.
- Compliance Report - compliance reports of all the attributes to quickly obtain ADA and PROWAG accessibilities on important pedestrian facility information.



# Data Management – Full Reports

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Facility Inventory Model



## Sidewalks Report

### Sidewalks Information:

Last updated on: 02/23/2017


#### Location



Is there a Sidewalk: Yes	Location: North
On Street: W Flagler St	At Street:
Notes:	

#### Information

Sidewalk Width:	Running Slope:
Cross Slope:	Vertical Change Across Path:
Horizontal Opening:	
Protruding Object	
Sign Panel:	Overhangs Sidewalk:
Landscape Material:	Overhangs Sidewalk:
Other:	Overhangs Sidewalk:
Physical Constraint:	
Building:	Retaining Wall:
Other:	Connects To Other Facility:
Sidewalk Gap:	Material:
Condition:	
Roadway Cross Section	
Curb and Gutter:	Flush Shoulder:
Sidewalk Separation	Separated from road
Separated from road:	Not separated from road:

Form not saved

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## Ramps Report

### Ramps Information:

Last updated on: 02/23/2017


#### Location

Is there a Ramp: Yes	Corner: Northwest
On Street: SW 105 Pl	At Street:
Notes: test	


#### Information



Running Slope:	Counter Slope:
Cross Slope:	Flare Slope:
Ramp Length:	Ramp Width:
Top Landing:	Bottom Landing:
Truncated Domes:	Detectable Warnings Color:
Warning Placement:	Type of Ramps:
Marked Crossings:	Notes:

Map



StreetView

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Facility Inventory Model



## Crossings Report

### Crossings Information:

Last updated on: 02/23/2017


#### Location

Is there a Crossing: Yes	Location: East Side
On Street: SW 105 Pl	At Street:
Notes:	

#### Information


Crossing:	Horizontal Opening:
Median:	Pedestrian Refuge:
Strian Signal	
Is a Push-Button:	Push-Button 2" Raised:
Visible Features:	Height of Button:
Clear Space:	Number of Lanes to Cross:
Time to Cross:	Measured on "Date" at "Time":
al:	Condition:



Map



StreetView

# Data Management – Compliance Reports

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## Sidewalks Compliance Report



### Compliance Information:

Last updated on: 02/21/2017

#### Information

FIELDS:	Compliant with ADA:	Compliant with PROWAG:
Is there a Sidewalk:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Location:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
On Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
At Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes:		
Sidewalk Width:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Running Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Cross Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Vertical Change Across Path:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Horizontal Opening:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Protruding Object		
Sign Panel:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Overhangs Sidewalk:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Landscape Material:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Overhangs Sidewalk:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Other:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Overhangs Sidewalk:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Physical Constraint		
Building:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Retaining Wall:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>

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Facility Inventory Model




## Ramps Compliance Report



### Compliance Information:

Last updated on: 02/23/2017

#### Information

FIELDS:	Compliant with ADA:	Compliant with PROWAG:
Is there a Ramp:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Corner:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
On Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
At Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes: test		
Running Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Counter Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Cross Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Flare Slope:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Ramp Length:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Ramp Width:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Top Landing:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Bottom Landing:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Truncated Domes:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Detectable Warnings Color:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Warning Placement:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Type of Ramps:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Marked Crossings:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes:		

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## Crossings Compliance Report

### Compliance Information:


Last updated on: 02/23/2017

#### Information

FIELDS:	Compliant with ADA:	Compliant with PROWAG:
Is there a Crossing:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Location:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
On Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
At Street:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes: test		
Street Crossing:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Horizontal Opening:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Island/Median:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Pedestrian Refuge:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Pedestrian Signal		
Is there a Push-Button:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Push-Button 2" Raised:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Accessible Features:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Height of Button:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Level Clear Space:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Number of Lanes to Cross:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Total Time to Cross:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Measured on "Date" at "Time":	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Material:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Condition:	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>	Yes <input type="radio"/> No <input type="radio"/> N/A <input checked="" type="radio"/>
Notes:		



# Administrator Features

**User Management** - Allows administrator to create usernames and passwords. 

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Facility Inventory Model



## User Management

No.	Name	User Name	User Type	Status	Action
1	Dean Perkins	perkinsdean	Administrator	Active	<a href="#">Edit</a>
2	Gabe Matthews	FDOT	Administrator	Active	<a href="#">Edit</a>
3	Haifeng Wang	hwang	Administrator	Active	<a href="#">Edit</a>
4	Peter Gies	BrowardMPO	Administrator	Active	<a href="#">Edit</a>
5	sapfim admin	sapfim	Administrator	Active	<a href="#">Edit</a>

Add New User

# Administrator Features

## Adding/Editing new user

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### User Management

No.	Name	User Name	User Type	Status	Action
1	Dean Perkins	perkinsdean	Administrator	Active	<a href="#">Edit</a>
2	Gabe Matthews	FDOT	Administrator	Active	<a href="#">Edit</a>
3	Haifeng Wang	hwang	Administrator	Active	<a href="#">Edit</a>
4	Peter Gies	BrowardMPO	Administrator	Active	<a href="#">Edit</a>
5	sapfim admin	sapfim	Administrator	Active	<a href="#">Edit</a>

Name:

User Name:

Password:

User Type: ☒ Read Only ☐ Read & Write ☐ Administrator

User Status: ☒ Active ☐ Inactive

[Add](#) [Cancel](#)

# For More Information...



**Website:**

**Sapfim.fiu.edu**

**For problems accessing SAPFIM, please contact:**

**FIU Principal Investigator**

Fabian Cevallos, Ph.D.

Transit Program Director

Lehman Center for Transportation Research

Florida International University

**Phone:** (305) 348-3144 | **Mobile:** (954) 234-4183

**Email:** fabian.cevallos@fiu.edu

