

# FRATIS

## Emergency Management

*App Functionality*

*presented to*

**Talking Freight Webinar**

*presented by*

**Cambridge Systematics, Inc.**

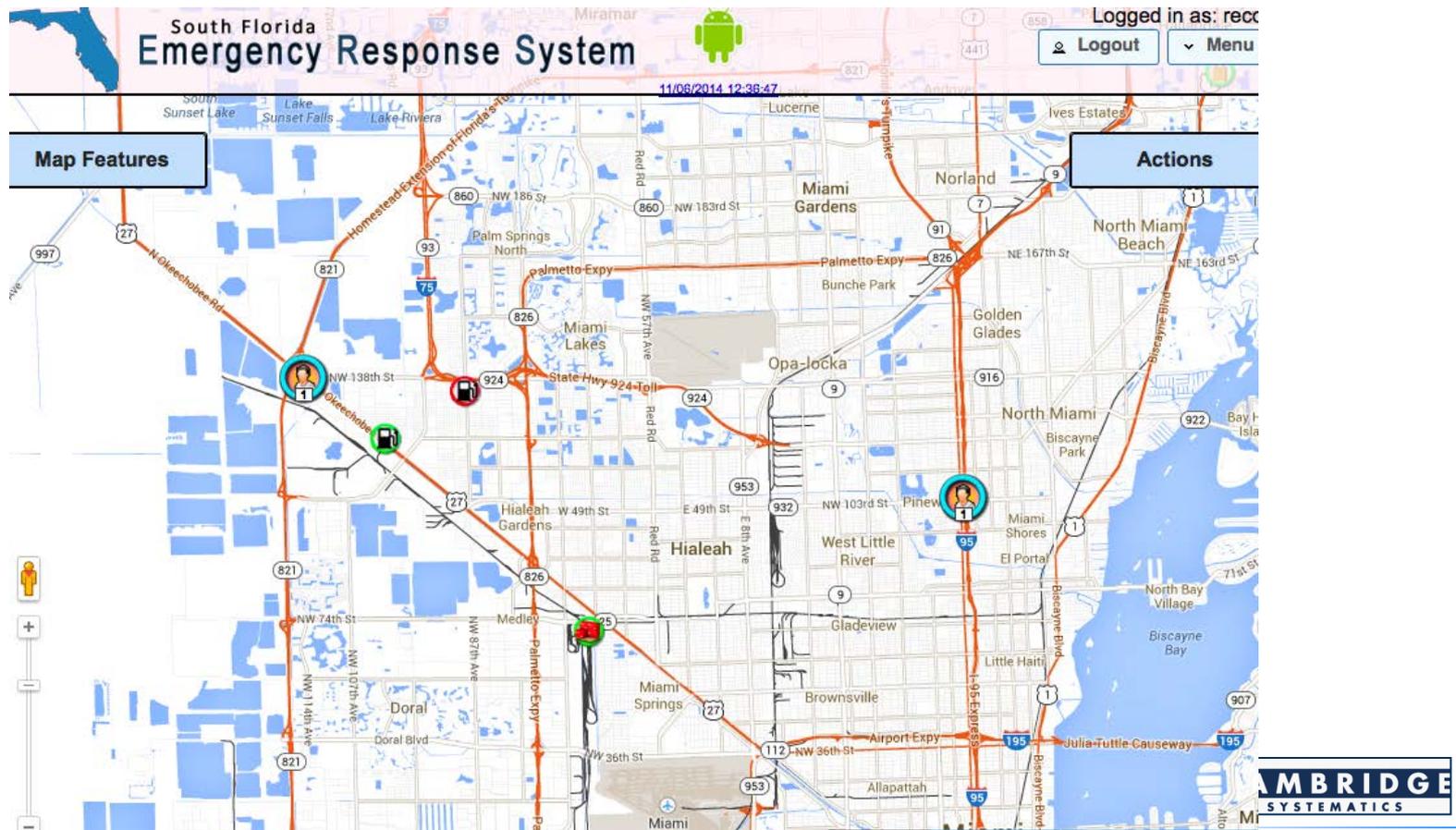
**And**

**Washington State Transportation Center (TRAC-UW)**

**July 16, 2014**

# There is an Android App & Web Version

- App prototype available upon request (in testing)
- Web version is accessible at: <http://fratis.us.to>



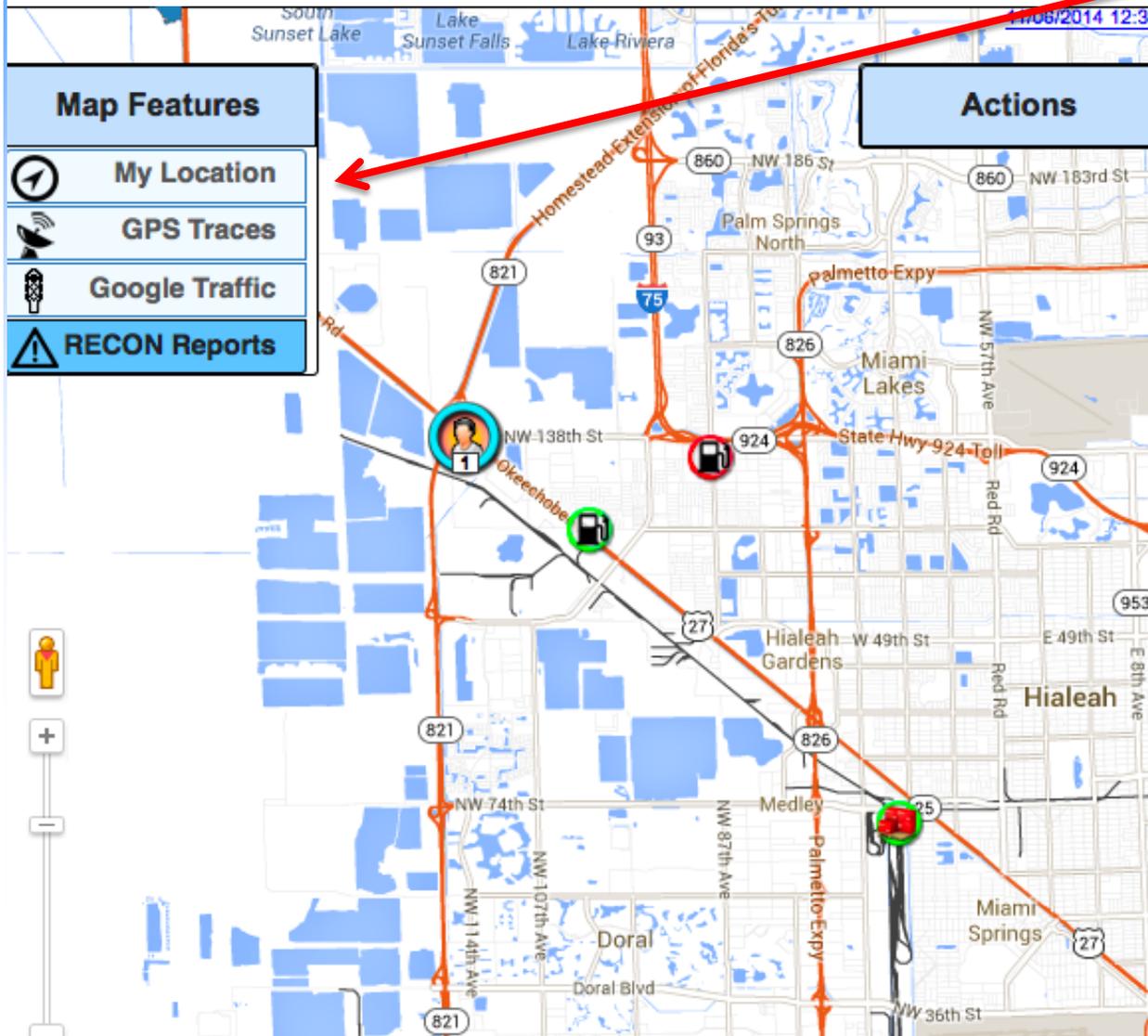
# Web Version – works on all browsers tested

- **Intended for use in an office**
  - » **Business registration**
  - » **Business status updates**
- **Easier data entry**
- **Some tasks are best done on a full screen**
- **Can see a much larger portion of the city**
- **Not all of the App's functionality**
  - » **But runs on any phone's browser – so more users**

# App Development

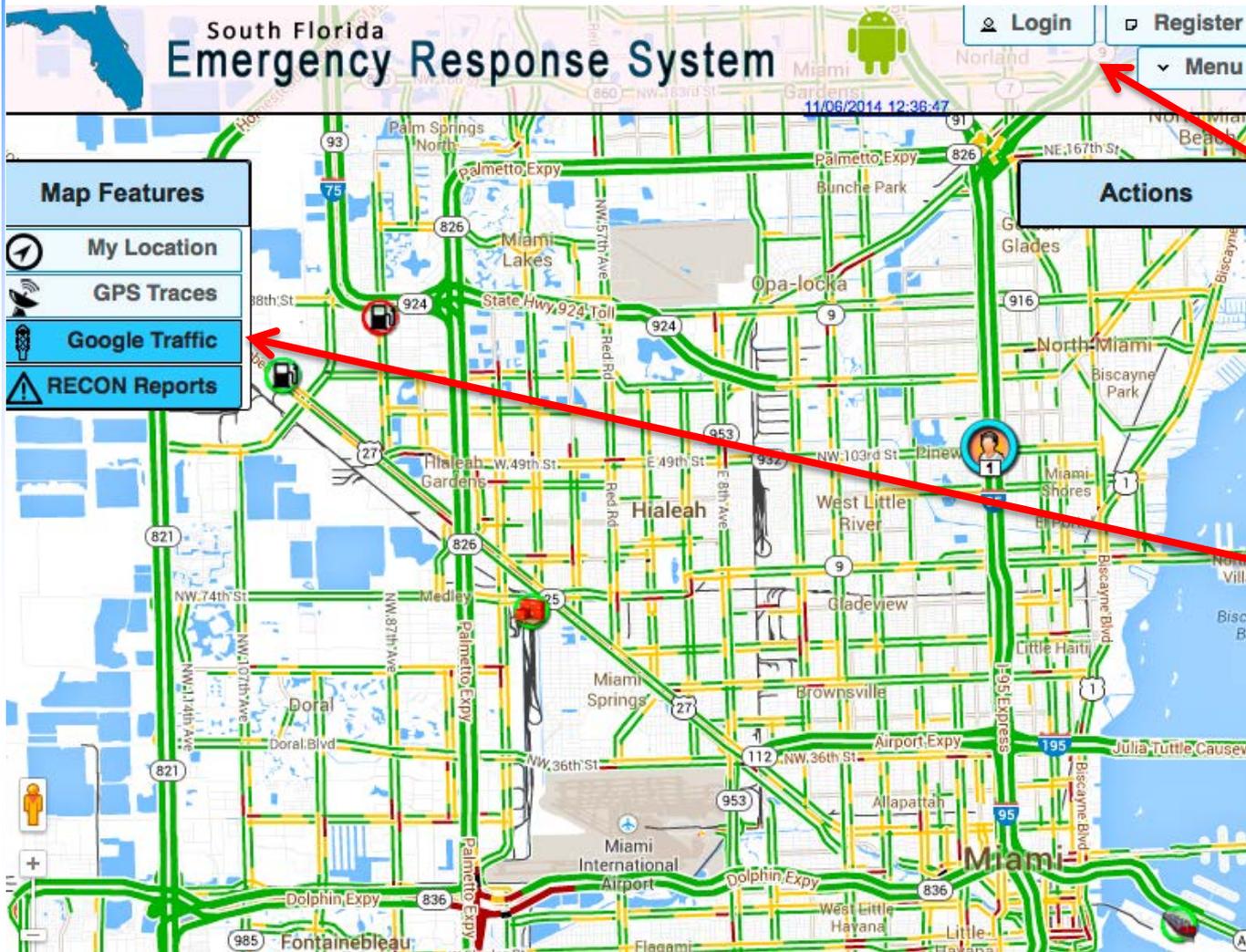
## Primary User Screen

Controls what user sees on screen



# App Development

## Primary User Screen



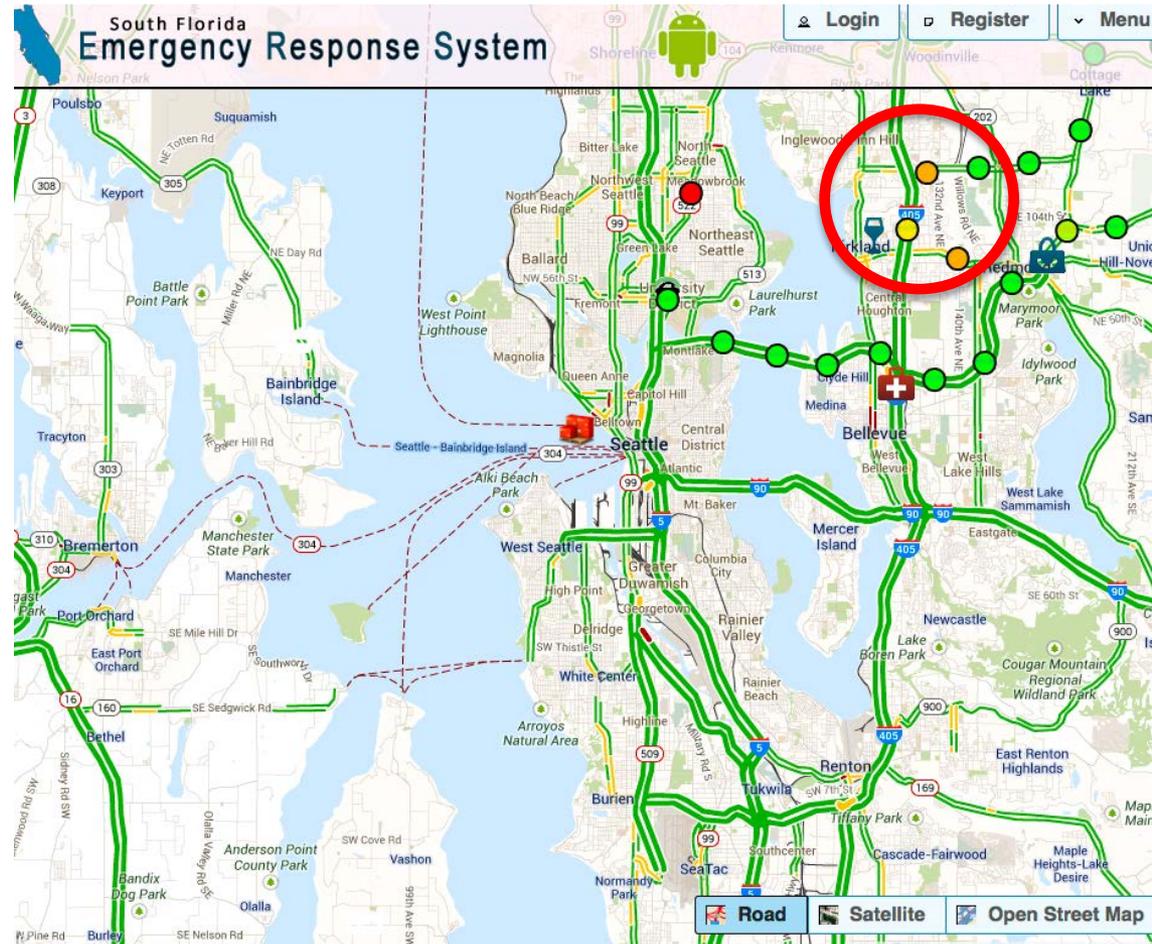
Login and Registration buttons

With Google traffic turned on

# Map can show GPS travel speeds

Actual GPS point speeds of other App users are illustrated by circles (because Google speeds may be inaccurate after an emergency event)

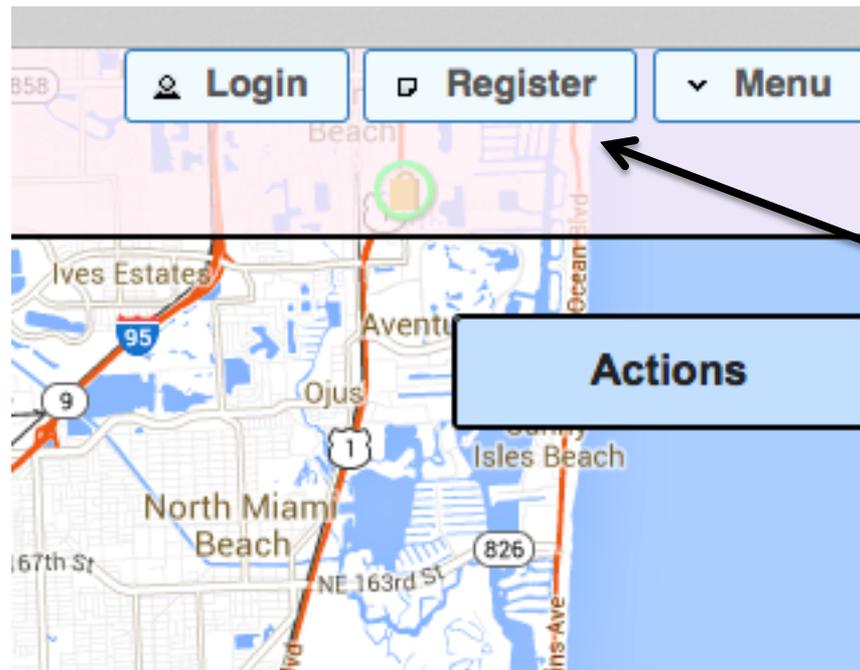
GPS data collection can be turned off by the user





# Web Prototype

- Register as a specific type of user
  - » Business owner
  - » Emergency response team member
  - » Trucker / Citizen
- Controls functionality allowed



Find this at the top right side of the screen

# Register a Username to a Service

## User Registration



Civilian



Business Owner



Emergency Crew

First Name:

Last Name:

Username:

Password:

Email:

Mobile Phone:

## Business Owner Registration

What type of business do you own?

Sea Port

Freight Terminal

Emergency Response Depot

Gas Station

Grocery Store/Supermarket

Hardware Store

Hospital/Doctor

Pharmacy

Sporting Goods

Clothing

Other

Find Business:

Business Name:

Or enter the business manually:

# And Click On Your Location

**Business Owner Registration** ✕

What type of business do you own?

- Sea Port
- Freight Terminal
- Emergency Response Depot
- Gas Station**
- Grocery Store/Supermarket
- Hardware Store
- Hospital/Doctor
- Pharmacy
- Sporting Goods
- Clothing
- Other

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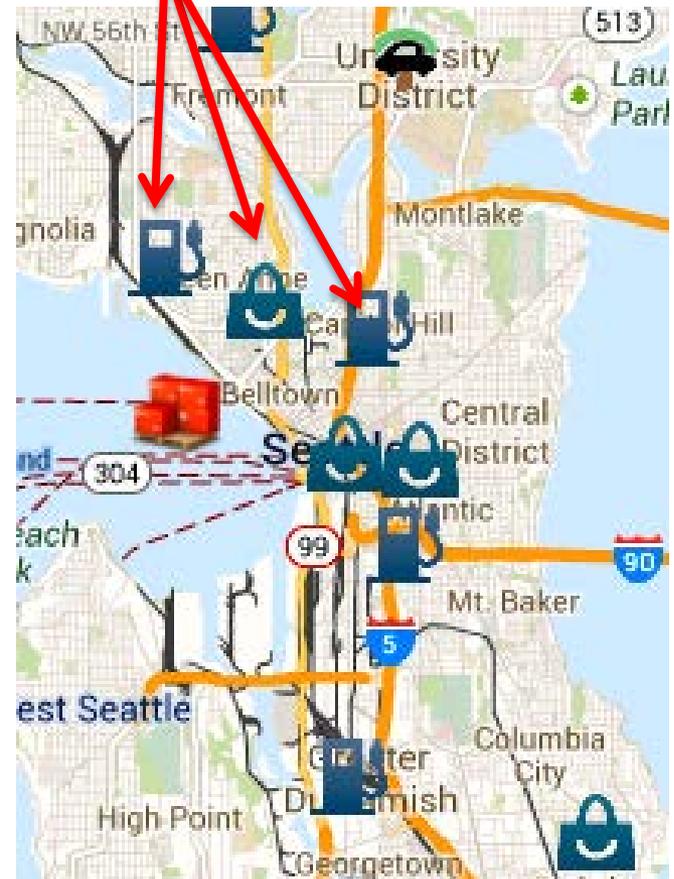
Find Business:

Business Name:

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Or enter the business manually:

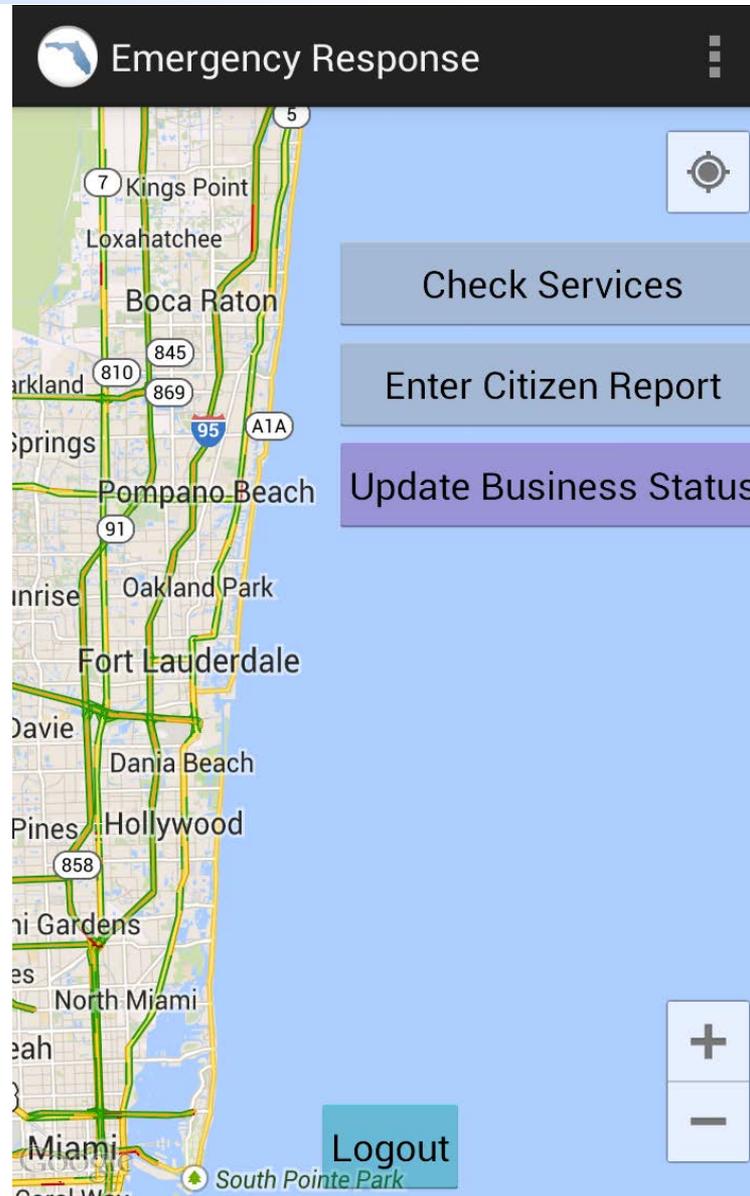
## Shell Stations



# App Development

## *Business User Additional Functionality*

- Business owners have the additional capability to report on their business status and available resources



# App Development

## *Business User Additional Functionality*

- You can use the phone app (or the main web site) to control what information is presented about your business
  - » Open, closed, or operating limited hours
  - » Availability of specific services



Emergency Response

### Business Name

The Home Depot - Redmond

### We're:

Open

Closed

### Our Hours:

Regular

Limited

Extended

### More Info

### Available Supplies

Gas

# App Development

## *Business User Additional Functionality*

- Services change with each type of business

 Emergency Response

Regular

Plus

Premium

Diesel

Propane

Comment

---

Go Back

 Emergency Response

Fresh

Canned

Dry Packaged / Bulk

Frozen

Baby Food

Comment

---

Go Back

 Emergency Response

Drinking (Bottled)

Drinking (Large Containers)

Running Water (Faucet)

Other (Not For Drinking)

Comment

---

Go Back



# App Development

## *Emergency Management Additional Functionality*

 Emergency Response

RECON Team

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RECON Report #

---

Report Type

Area

Point

Target Name

---

Date/Time

2014/02/03 10:20:43

---

Enter Damage

# App Development

## *Emergency Management Additional Functionality*

- Capability to report on a variety of information
- Data are not uploaded until you select the “Submit Report” button

The screenshot displays a mobile application interface for emergency response. At the top, there is a dark header with a white Florida state icon and the text "Emergency Response". Below this is a light gray section labeled "Date/Time" in blue text, showing the timestamp "2014/02/03 10:20:43". Underneath is another light gray section labeled "Enter Damage" in blue text. This section contains a vertical list of seven gray buttons: "Debris", "Flooding", "Structure Damage", "Infrastructure", "Transportation", "Emergency Services", and "Casualties". At the bottom of this list is a larger, darker blue button labeled "Submit Report".

# App Development

## *Emergency Management Additional Functionality*

- Each reporting category has sub-categories to record additional specific information
- You can take a picture with your phone and upload it

The screenshot shows a mobile application interface for reporting emergency damage. At the top, there is a dark header with a globe icon and the text "Emergency Response". Below this, the app displays a list of reporting categories, each with an unchecked checkbox and a "Comment" link. The categories shown are:

- Shingles
- Building Debris
- Street/Business Signs
- Trees Down <1 foot
- All Directions
- One Direction

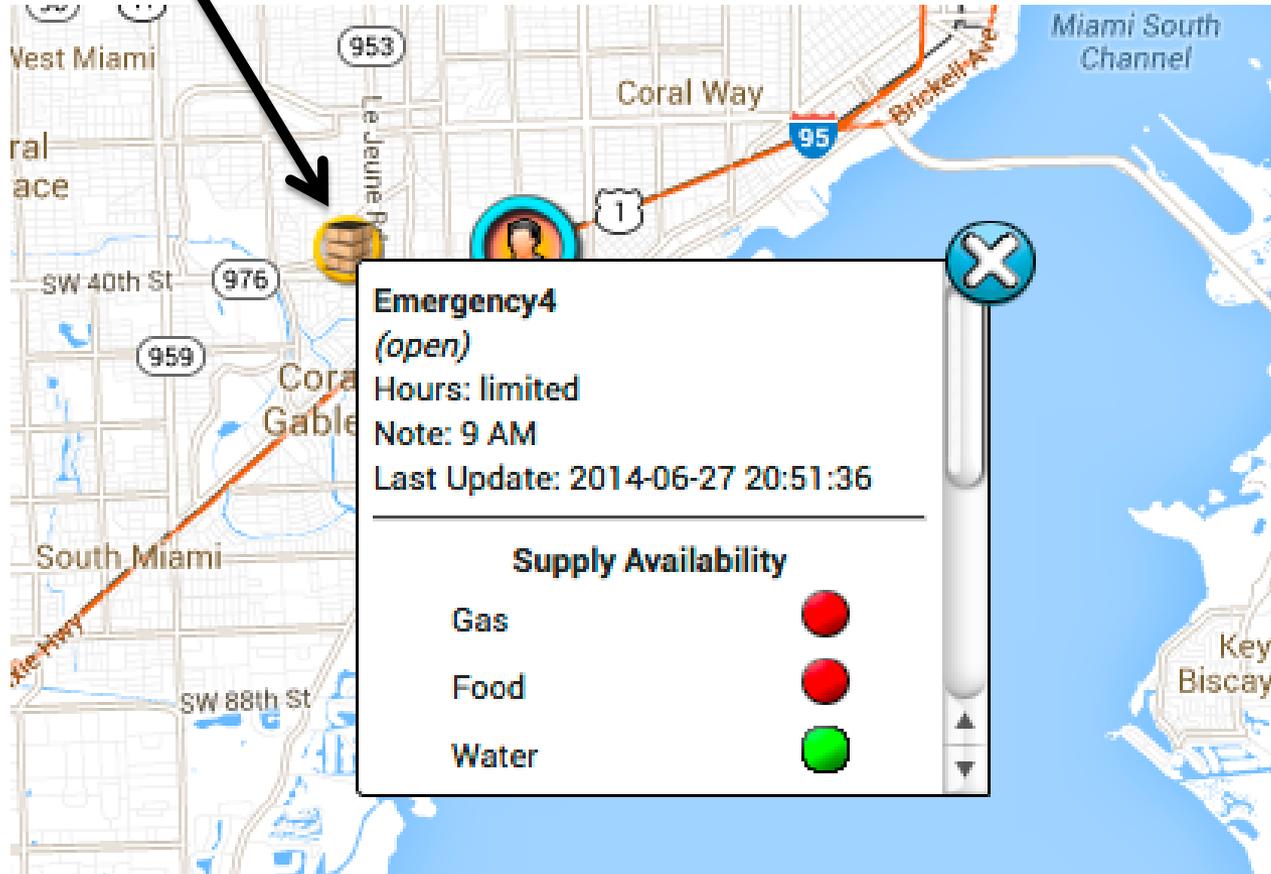
Each category has a light gray background and a blue "Comment" link below it. The interface is clean and user-friendly, designed for quick reporting.

# Data Entry Forms

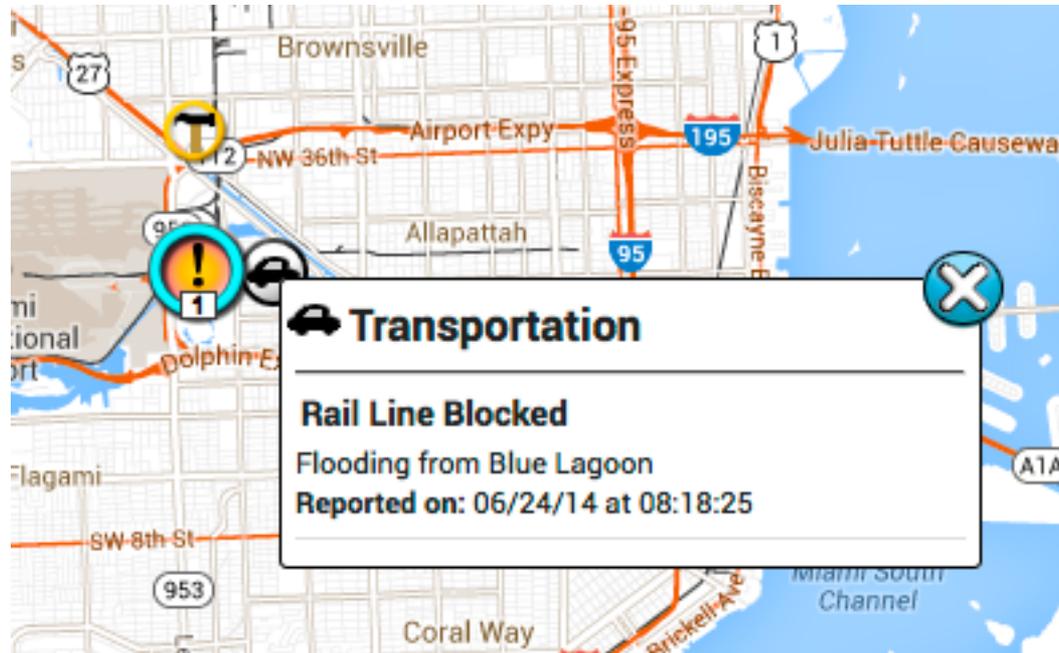
- **Are designed to be flexible**
- **Easily changed so that different regions can report different data items**
  - » **Add new business categories**
  - » **Add new types of “supplies”**
  - » **Add new types of freight information**
    - **Empty containers available**
    - **Empty containers needed**



# Emergency Depot



## Example Incident (RECON) Report



# Recon (all) Data

- Stored in a simple SQL table
- Can be transmitted easily to any source / repository for data sharing purposes
- What information from these reports do you wish to display to truck drivers? Other citizens?

# Questions?

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