

WASD-WAZE NOTIFIER



November 9, 2017

WASD-WAZE NOTIFIER

WHAT IS IT?

WASD-WAZE NOTIFIER IS A NATIONALLY RECOGNIZED, AWARD-WINNING PROGRAM IMPLEMENTED BY MIAMI-DADE WATER AND SEWER DEPARTMENT (WASD). INSPECTORS OTHER FIELD STAFF SUBMIT WAZE TICKETS AT CONSTRUCTIONS SITES TO HELP MINIMIZE TRAFFIC CONGESTION ASSOCIATED WITH THEIR \$13.5B CIP, INCREASE IN DEVELOPMENT PROJECTS REQUIRING UTILITY CONSTRUCTION, AND TO MINE WAZE DATA TO HELP UPDATE INTERNAL DEPARTMENTAL CONSTRUCTION JOB REPORTS, IMPROVE DATA QUALITY CONTROL, RESEARCH, AND ANALYSIS.

AWARDS

- Public Technology Institute (PTI) Award 2017
- National Association Of Counties (NACO) Award 2017
- Determined by NACO to meet the high criteria of the organization's 100 Brilliant Ideas at Work initiative.

WAZE NOTIFIER

WAZE AND MIAMI-DADE PARTNERSHIP

- Connected Citizens Program (CCP) – June 30, 2016
- **Public Works & Transit**
 - Broken traffic signals
 - Broken buses
- **WASD**
 - CIP, Donations, Maintenance/Repairs
 - Road Closures
 - Lane Closures
 - Construction Activity
 - Spills
 - Miscellaneous



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Miami-Dade is the first County in Florida to join Waze Connected Citizens Program

MIAMI (June 30, 2016) — Miami-Dade County announced today its new partnership with the Waze Connected Citizens Program (CCP). The program is a two-way data exchange of publicly available traffic information to provide drivers travel suggestions through the least congested routes. This leads to more efficient, safer, and easier commutes that will improve the quality of life for County residents. CCP was first launched in 2014 and has since grown to include 75 partners.

Today, Miami-Dade County joins the ever-evolving platform.

The free, crowdsourced traffic and navigation app is powered by the world's largest community of drivers. With this new partnership, users will be able to see in real-time road closures, traffic delays, and any other issues that might influence mobility.

"We are thrilled to partner with Waze in order to provide our 2.7 million residents with the most accurate, up-to-date information for their daily commute," says Miami-Dade County Mayor, Carlos A. Gimenez. "Many of our residents rely on mobile GPS to navigate them safely around the County, and now we can be a part of their ride."

The departments of Transportation and Public Works (DTPW), Information Technology (ITD), and Water and Sewer (WASD) have come together with the shared goal of making mobility a priority. In the near future, the Miami-Dade Police Department (MDPD) will join the collaboration and provide real-time information that will improve traffic conditions. In exchange for the anonymous, user-generated information provided by Waze to Miami-Dade County, the County in turn submits real-time government-reported construction, crash and road closure data to Waze. The end result: a thorough overview of current road conditions today.

"This helps drivers be aware of everything on the road that can affect their trip in real time," says Alice N. Bravo, P.E., Director of Miami-Dade County Department of Transportation and Public Works. "It's certainly a convenient tool that will help improve mobility. It is our hope that everyone will use this kind of information for all of their trips in order to ease congestion."

Find your way with Waze -- and Miami-Dade County.

For more on the Connected Citizens partnership, visit waze.com/ccp. To download the free Waze app for iOS or Android, visit waze.com/get; and to download the free Miami-Dade Transit app, visit miamidade.gov/transit/transit-tracker-app.asp.

WASD-WAZE NOTIFIER

BENEFITS

Community

- Minimizes traffic impact associated with WASD Capital Improvement Plan (CIP), Contract Donation, and Maintenance/Repairs projects activities.

WASD

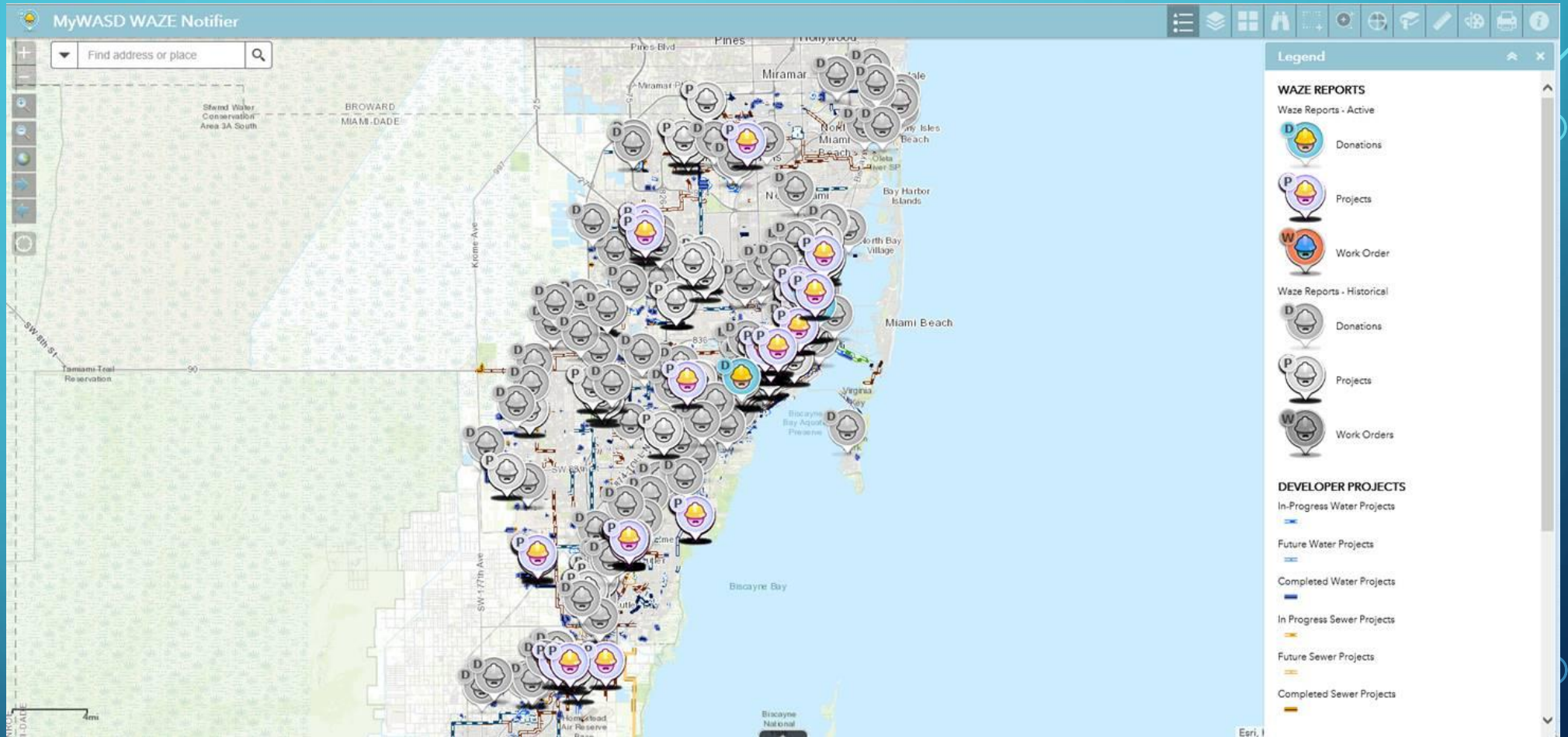
- Easily track all WASD related construction activities
- Easily track all WASD related road closures
- Easily track all WASD related hazardous road conditions
- Improves CIP (PCTS) project data quality
- Improves Donation project data quality
- Improves Maintenance/Repairs project data quality

WAZE NOTIFIER

MyWASD WAZE Viewer

Available from intranet to see all:

- Active and Historical WAZE tickets
- PCTS project location and detail
- Donation project location and detail
- Water and Sewer infrastructure information
- Retrieve as-builts
- Use analytical tools to find, select, buffer, intersect, measure
- Create custom sketches



<http://mywasdgisapps/gis/default.aspx?Map=MyWASDWAZE>

WASD-WAZE NOTIFIER

PREVIOUS WORKFLOW

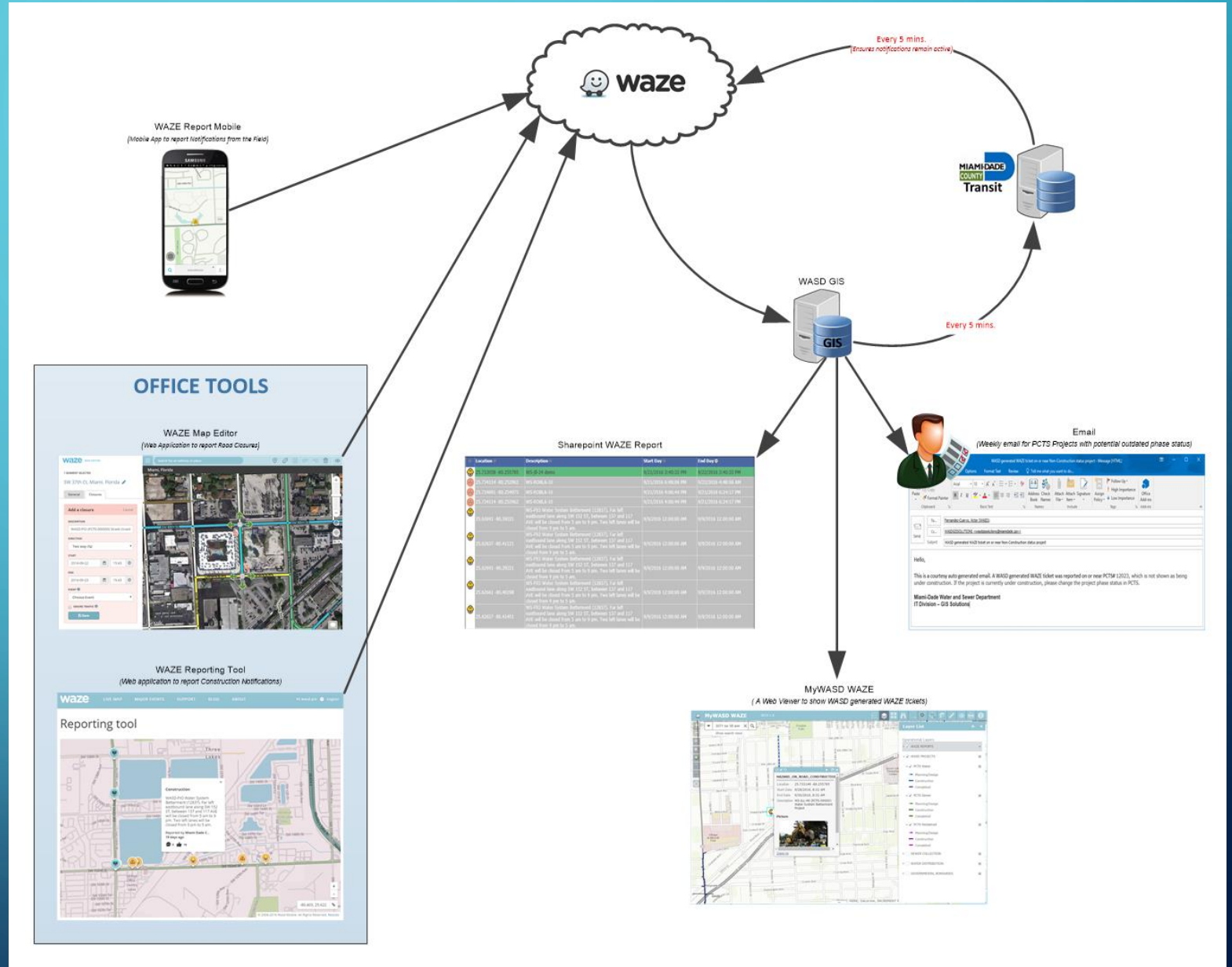
STARTED WITH WAZE MOBILE APP USING FORMATTED COMMENTS

Limitations:

- Notification reports would not persist for the length of the specified work, as the WAZE Mobile App notifications input form does not have input fields for users to specify a notification's timeframe (Range or Recurring).
- The user information is not provided in the RSS feed provided by WAZE.

Solution:

- Inspectors had to enter all the information we needed to track, like User Name, Work Hours, Project Number, and Work Description, all inside the WAZE notifications COMMENT field using specific format. Then, WASD services would parse comment, to store information, and RE-SUBMIT notification to WAZE so it would persist for the length of the work specified.



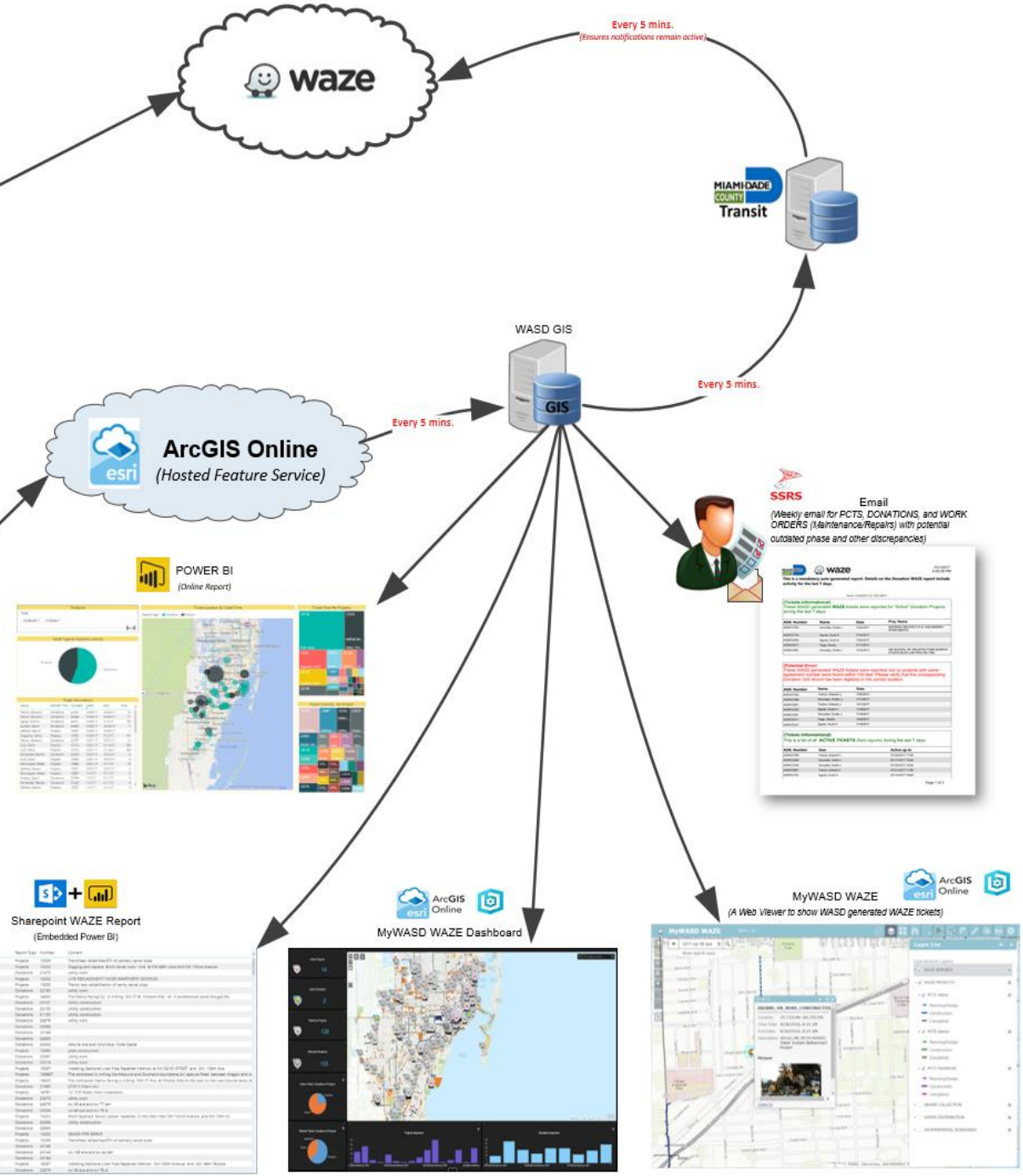
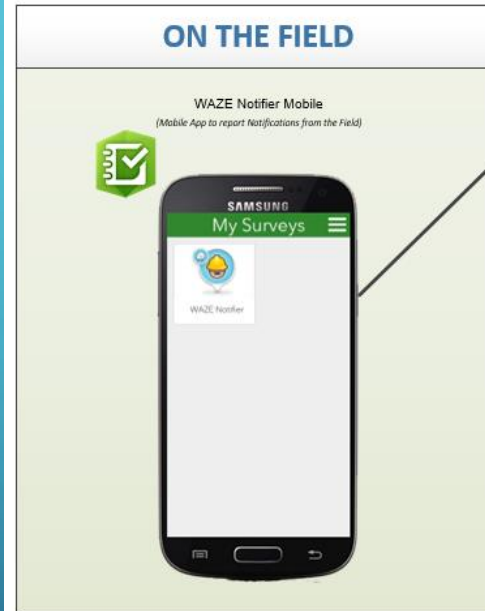
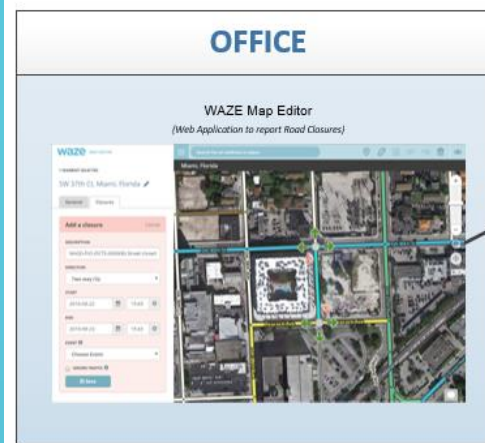
WASD-WAZE NOTIFIER

CURRENT WORKFLOW

WASD-WAZE NOTIFIER (SURVEY123 FOR ARCGIS)

Benefits:

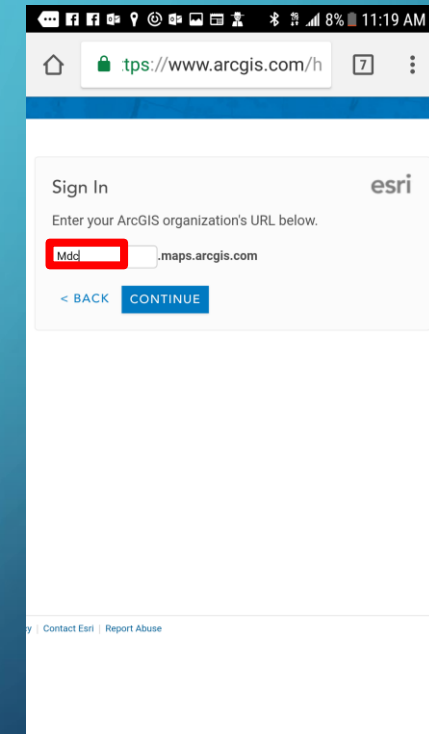
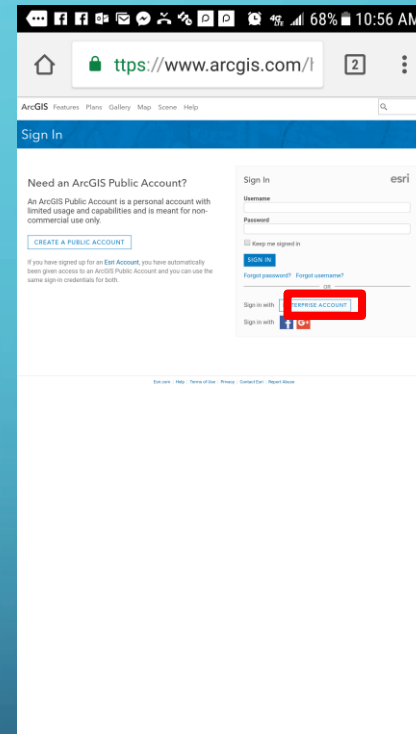
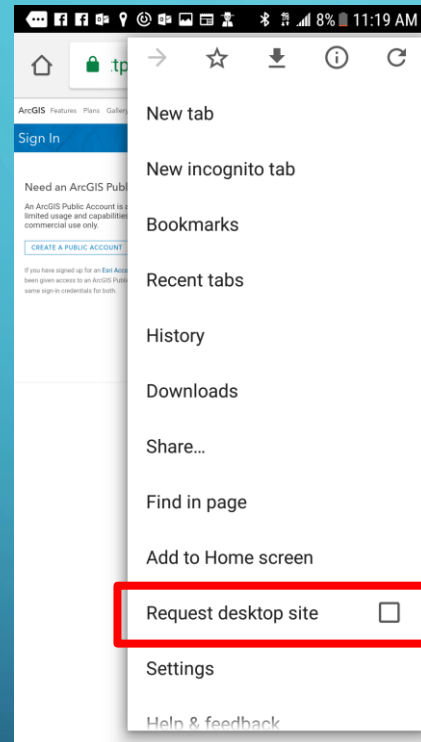
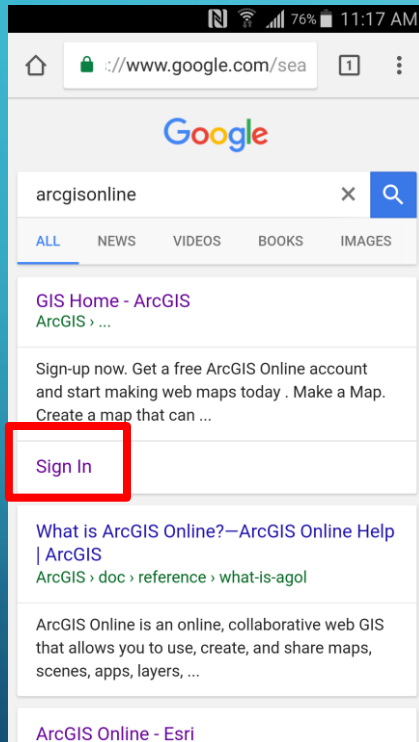
- User enters construction duration
- Duration options include continuous or recurring time
- Ticket does not have to be resubmitted to WAZE to persist
- Users enter project number, comment, and take picture of jobsite
- Picture quality does not degrade and contains all image properties including time, size, location, etc. which can be used for other initiatives
- Users do not have to memorize a specific comment format
- Takes less than 1 minute to submit



FIRST TIME USERS

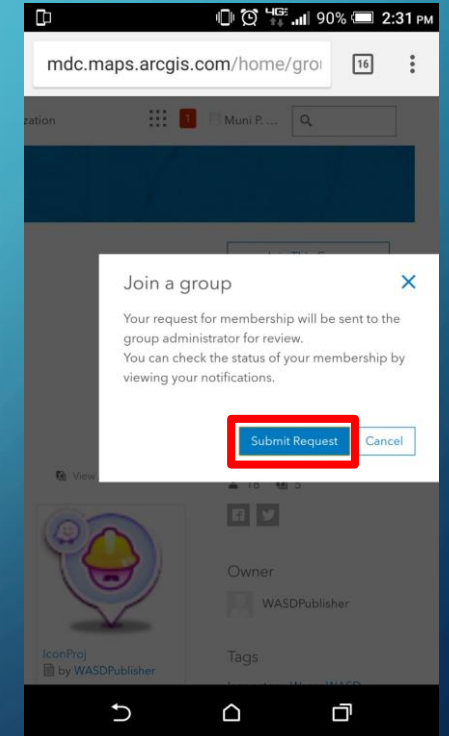
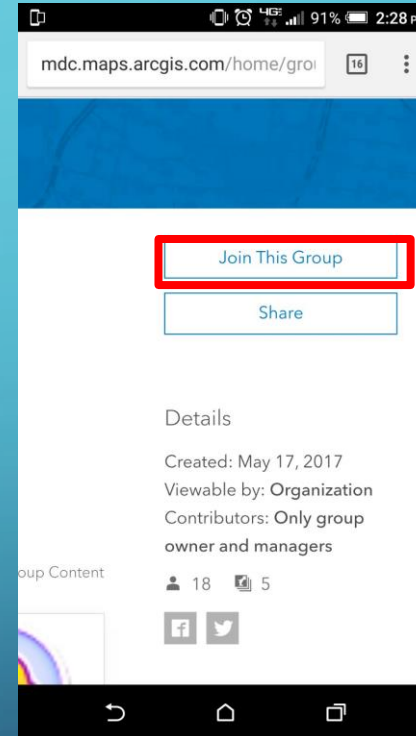
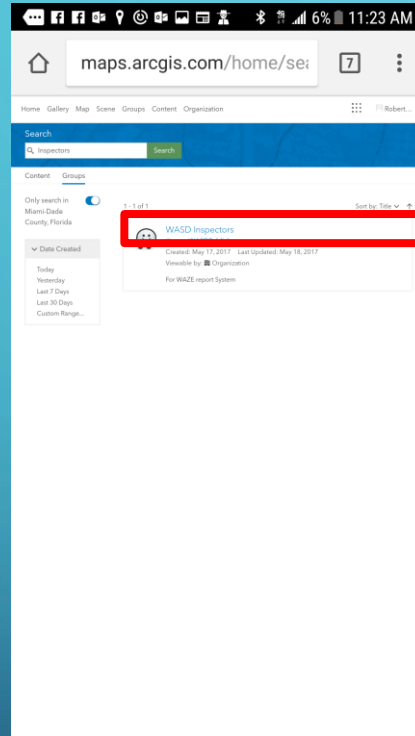
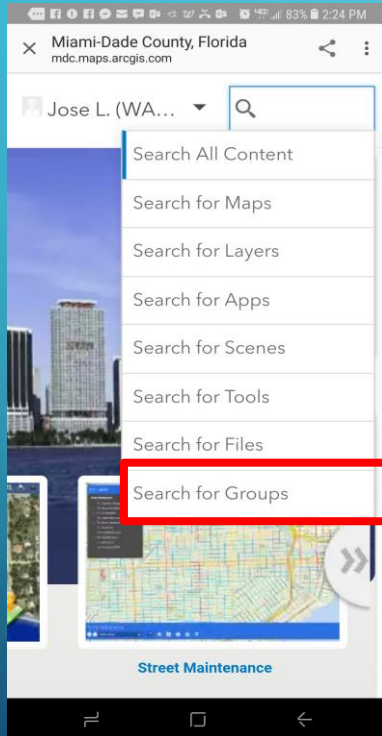
- Request an ArcGIS Online account
- Request to JOIN the Organization Group “WASD Inspectors”.
- Download and install Survey 123 from Google Play Store
- Download WASD WAZE Notifier (Survey)
- Begin submitting WAZE Tickets for your jobsite

REQUEST AN ARCGIS ONLINE ACCOUNT (FIRST TIME USERS)

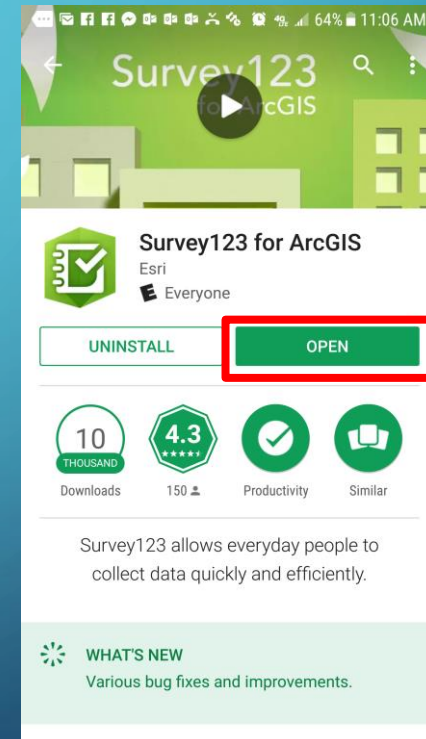
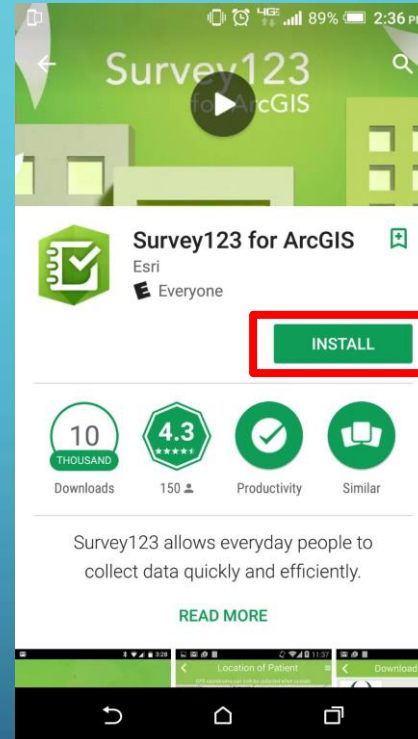
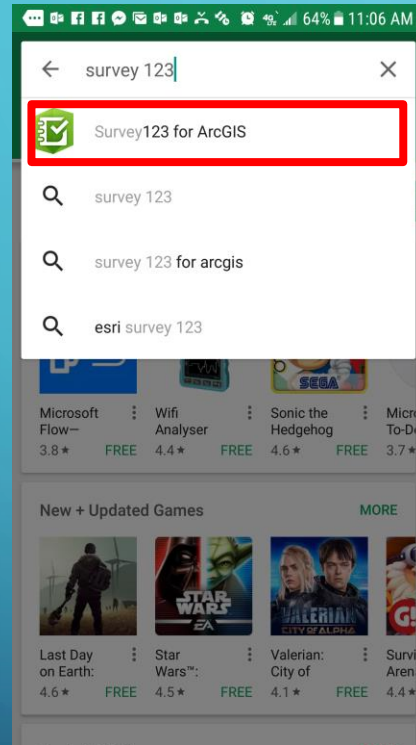
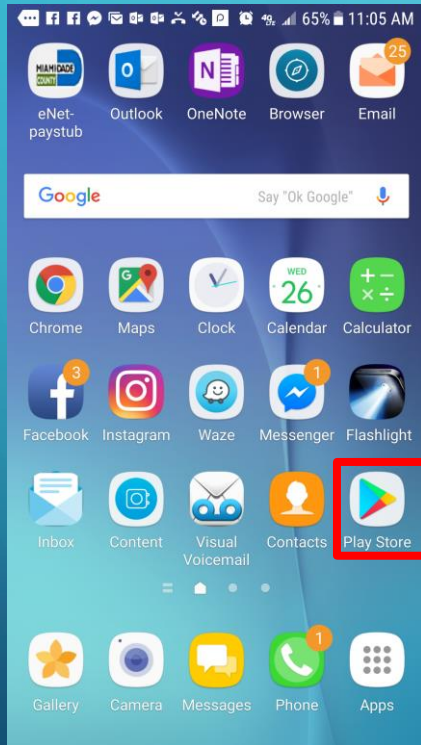


WAZE NOTIFIER

REQUEST TO JOIN THE “WASD INSPECTORS” GROUP (FIRST TIME USERS)

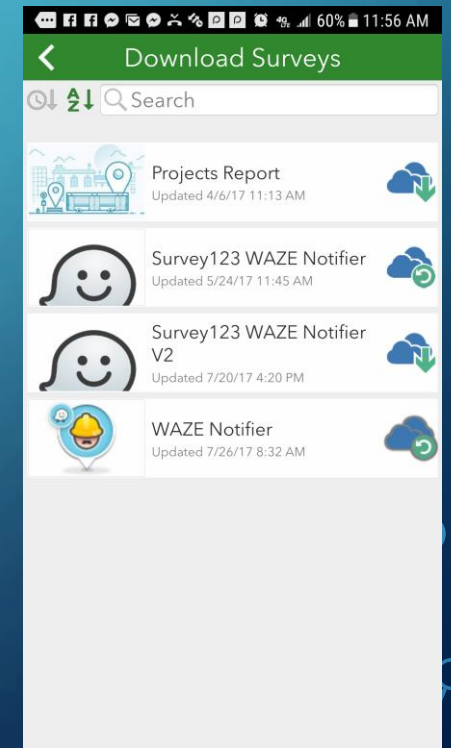
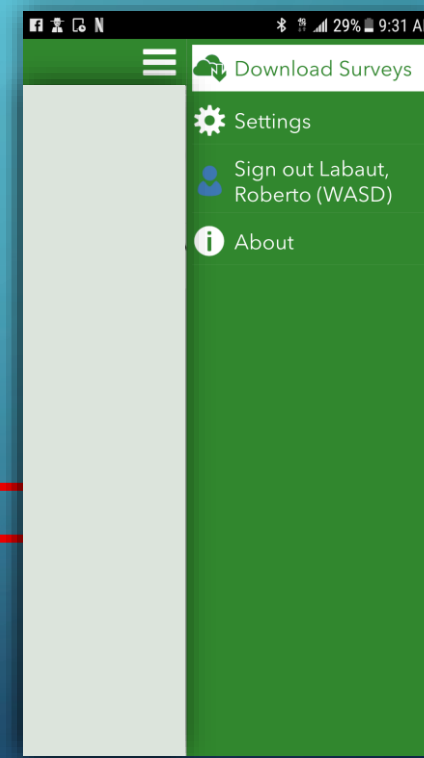
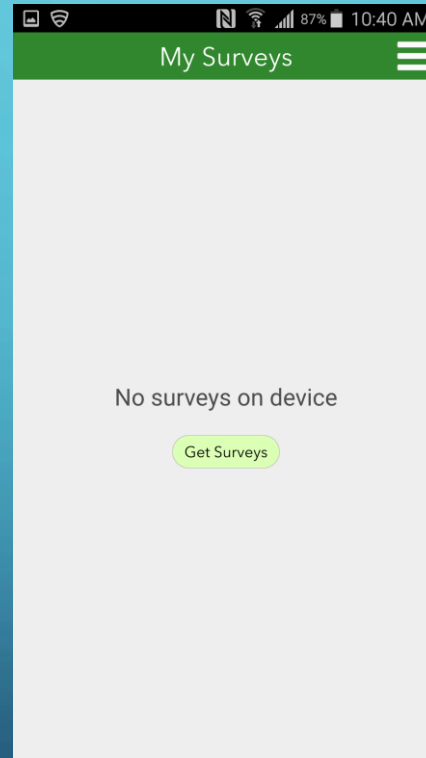
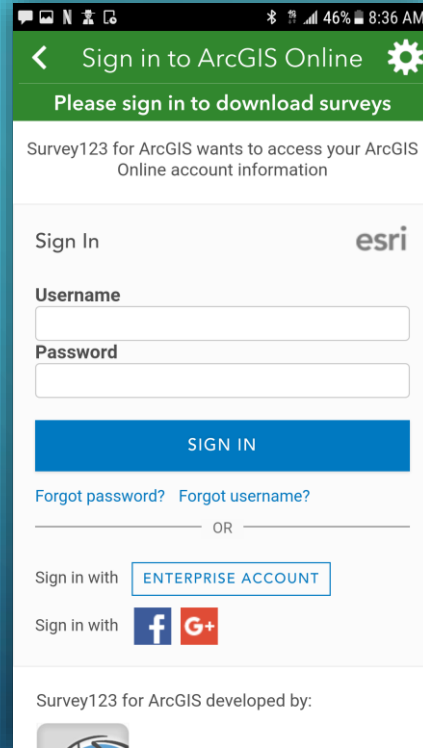
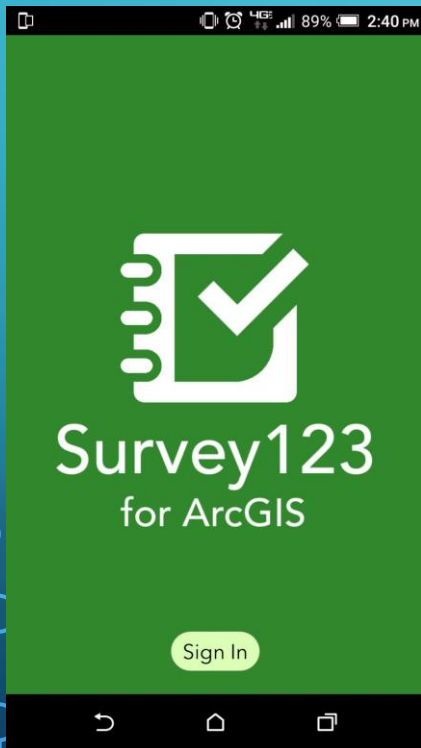


DOWNLOAD SURVEY 123 (FIRST TIME USERS)



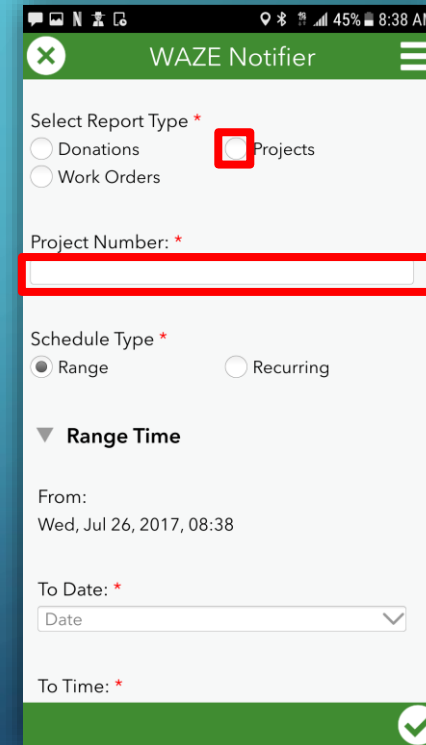
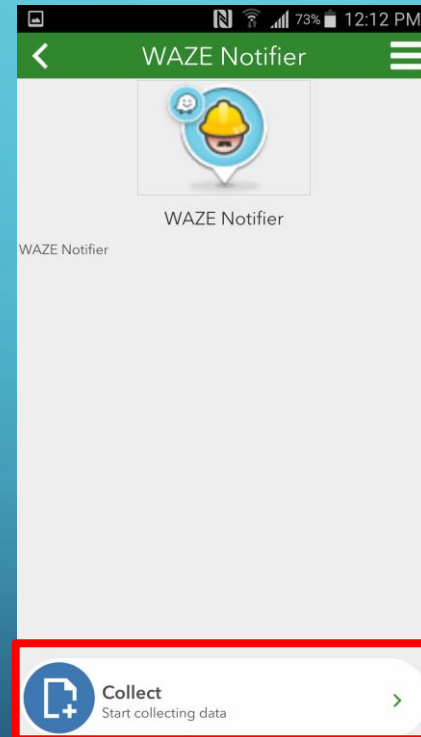
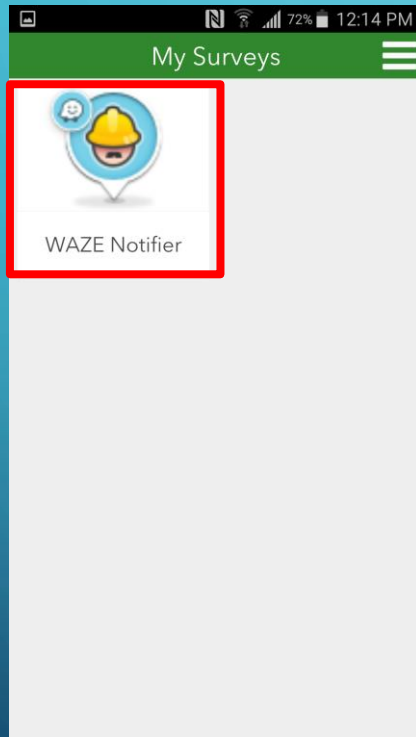
WAZE NOTIFIER

LOGIN AND DOWNLOAD “WAZE NOTIFIER” SURVEY (FIRST TIME USERS)



WAZE NOTIFIER

OPEN THE “WAZE NOTIFIER” SURVEY AND BEGIN SUBMITTING WAZE TICKETS FOR YOUR JOBSITE



SUBMITTING A WASD-WAZE TICKET

WAZE Notifier

Schedule Type *
 Range Recurring

▼ Range Time

From:
Wed, Jul 26, 2017, 08:38

To Date: *
Date

To Time: *
Date

Comment

✓

Use Range Time when the construction/obstruction is continuous.

WAZE Notifier

Schedule Type *
 Range Recurring

▼ Work Date Period

Start *
Wed, Jul 26, 2017

End *
Date

▼ Work Time Frame

Start *
Date

End *
Date

✓

Use Recurring when the construction/obstruction is not continuous but reoccurs in specific intervals

WAZE Notifier

Comment
sample

Please, add picture

Location
If the map is not centered at your location, please indicate your address in the comments section above.

No Location

✓

WAZE Notifier

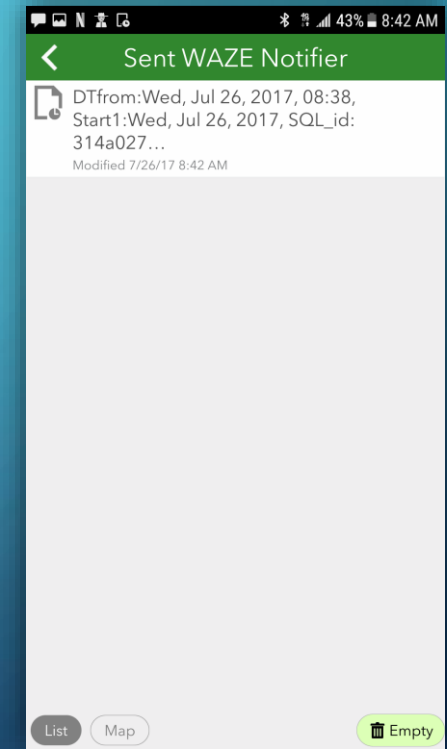
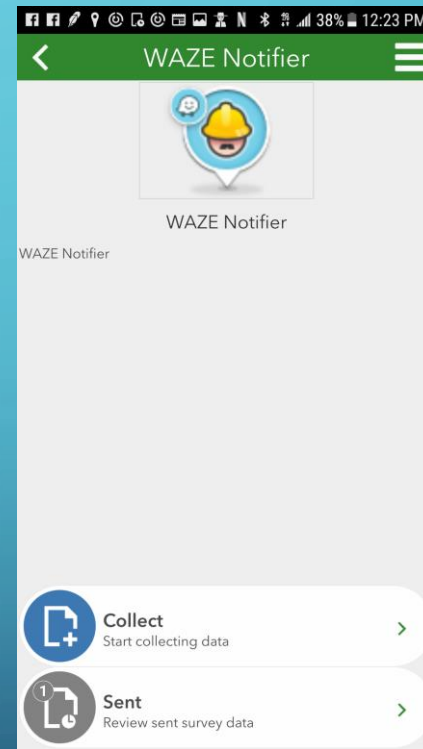
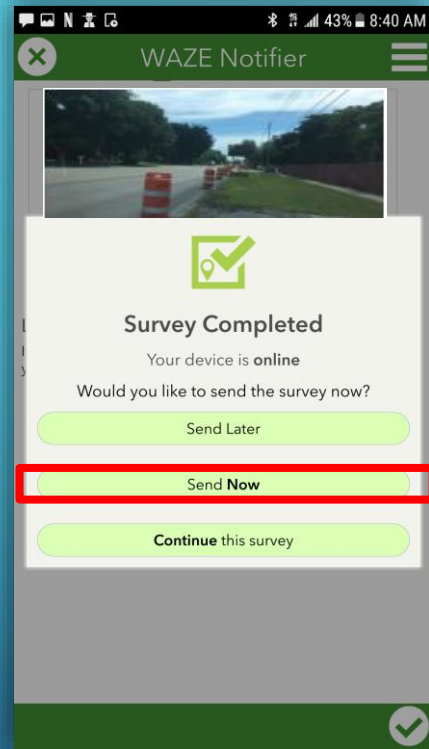
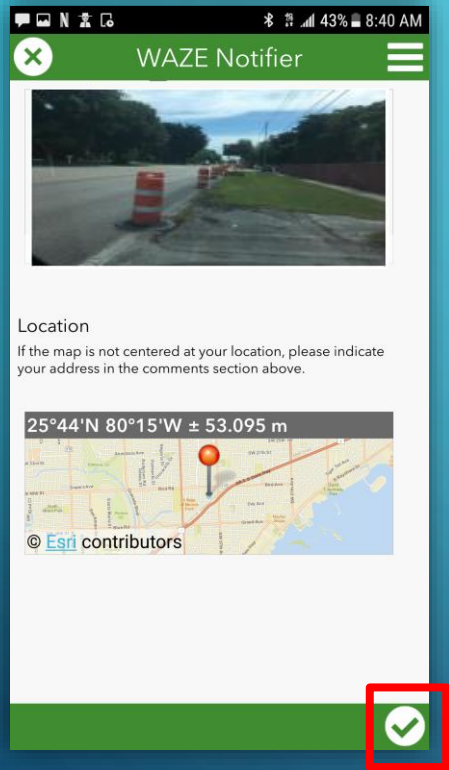
Location
If the map is not centered at your location, please indicate your address in the comments section above.

No Location

Please enable location services in your device

✓

SUBMITTING A WASD-WAZE TICKET



WAZE NOTIFIER

DASHBOARDS AND EMAIL REPORTS

- [MyWASD WAZE \(Power BI\) Dashboard](#)
- [MyWASD WAZE \(GIS\) Dashboard](#)
- [Email Report](#)

Email questions to wasdgissolutions@miamidade.gov

8/18/2017
3:45:29 PM

This is a mandatory auto generated report. Details on the Donation WAZE report include activity for the last 7 days.

From: 8/11/2017 To: 8/18/2017

(Tickets-Informational)
These WASD generated WAZE tickets were reported for "Active" Donation Projects during the last 7 days.

AGR: Number	Name	Date	Proj. Name
AGR#2181	Aguilar, Scott A.	8/15/2017	SHORECREST APARTMENTS
AGR#23008	Munoz, Frank	8/15/2017	FPAL TRAINING METHODS CENTER (TMC) DISTRIBUTION SOUTH CAMPUS (DSC)
AGR#22871	Alvarez, Jose E.	8/15/2017	PROPOSED 12,800 SF CIVS & 2408 SPENDY'S BIRD RD & SW 107 AVE
AGR#1893	Aguilar, Scott A.	8/16/2017	
AGR#23387	Vega, Darian	8/17/2017	
AGR#22083	Munoz, Frank	8/16/2017	

(Potential Error)
These WASD generated WAZE tickets were reported for "Non Active" Donation Projects during the last week. If the projects are currently under construction, please change the projects phase status.

AGR: Number	Name	Date	Proj. Name
AGR#2183	Munoz, Frank	8/14/2017	ARIA ON THE BAY F.K.A. ON THE PARK
AGR#1993	Aguilar, Scott A.	8/14/2017	EDGEWATER 28 CONDOMINIUM

(Potential Error)
These WASD generated WAZE tickets were reported, but no projects with same agreement number were found within 200 feet. Please verify that the corresponding Donation GIS record has been digitized in the correct location.

AGR: Number	Name	Date
AGR#22717	Vega, Darian	8/14/2017
AGR#22772	Aguilar, Scott A.	8/14/2017
AGR#22580	Trainer, Edward J.	8/16/2017
AGR#22580	Trainer, Edward J.	8/14/2017
AGR#22971	Aguilar, Scott A.	8/14/2017
AGR#22580	Trainer, Edward J.	8/15/2017

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TimeLine

TIME
10/29/2017 11/8/2017

Ticket Type & Inspector Activity

Ticket Information

NAME	REPORT TYPE	NUMBER	START	END	TIME
Trainer, Edward J.	Donations	22757	10/30/17	10/30/17	10
Trainer, Edward J.	Donations	22890	10/30/17	10/30/17	11
Aguilar, Scott A.	Donations	22671	10/30/17	11/3/17	100
Alvarez, Jose E.	Donations	22905	10/30/17	10/30/17	7
Geffard, Benoit	Projects	15007	10/30/17	10/30/17	7
Nogueira, Carlos	Projects	14761	10/30/17	11/3/17	101
Trainer, Edward J.	Donations	22757	10/31/17	10/31/17	10
Culik, Henry	Projects	10174	10/31/17	11/14/17	336
Culik, Henry	Projects	10174	10/31/17	11/14/17	336
Fernandez, Reynier	Donations	23276	10/31/17	10/31/17	8
Cruz, Alexis	Projects	13205	10/31/17	10/31/17	6
Dominguez, Rafael	Projects	10699	10/31/17	11/1/17	19
Geffard, Benoit	Projects	15007	10/31/17	10/31/17	6
Dominguez, Rafael	Projects	16997	11/1/17	11/1/17	8
Alvarez, Jose E.	Donations	23164	11/1/17	11/1/17	8
Fernandez, Reynier	Donations	23145	11/1/17	11/1/17	9
Geffard, Benoit	Projects	15007	11/1/17	11/1/17	9

Ticket Location & Ticket Time

Report Type: Donations (green), Projects (black)

Ticket Time Per Projects

10174	13232	
Culik, Henry	Geffard, Be...	
14761	22671	23164
Nogueira, Carlos	Aguilar, ...	Alvarez, M...
21195	15007	
23149	13205	
	14520	

Ticket Quantity Per Project

13205	15007	13232	22876	
Cruz, Alexis	Geffard, ...	Geffar...	Fernan...	
22905	228...	228...	231...	231...
Alvarez, Jos...	Gonz...	Traine...	Ferna...	Alvar...
10174	23164	22757	23432	
14520	Alvare...	Traine...	Ferna...	
14761	125...	214...		
	202...	221...	22979	
16997	211...	223...	23008	
23274	214...	226...	23066	10699

Active Projects
14

Active Donations
2

Historical Projects
128

Historical Donations
155

Active Tickets: Donations & Projects

Historical Tickets: Donations & Projects

Projects Inspectors

Donations Inspectors

RESULTS

- WASD-WAZE NOTIFICATIONS ARE PROVIDED DAILY, HELPING THOUSANDS OF DRIVERS IN MIAMI-DADE COUNTY REACH THEIR DESTINATION USING THE BEST POSSIBLE ROUTES BY DETOURING AROUND WASD CONSTRUCTION PROJECTS.
- LEVERAGING THESE NOTIFICATIONS THE DEPARTMENT HAS CLEANED UP DOZENS OF PROJECT STATUSES AND DIGITIZED MISSING PROJECTS IN GIS. AS MORE FIELD STAFF ARE INCLUDED AS CONTRIBUTORS, WASD WILL BE ABLE TO KEEP ITS CAPITAL IMPROVEMENT PLAN (CIP), CONTRACTOR DONATION PROJECTS, AND MAINTENANCE/REPAIR PROJECTS DATABASE AS ACCURATE AS POSSIBLE.
- THESE NOTIFICATIONS WILL CONTINUE TO IMPROVE TRAVEL ROUTES AND KEEP ALL CONSTRUCTION PROJECT RELATED INFORMATION CURRENT.

WASD-WAZE NOTIFIER

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