

# ATXfloods.com

Real-Time Map Alerts Public to Flood Hazards

Matt Porcher & Rob Clayton  
Open Gov & Civic Tech Meet-Up | 1.27.2014

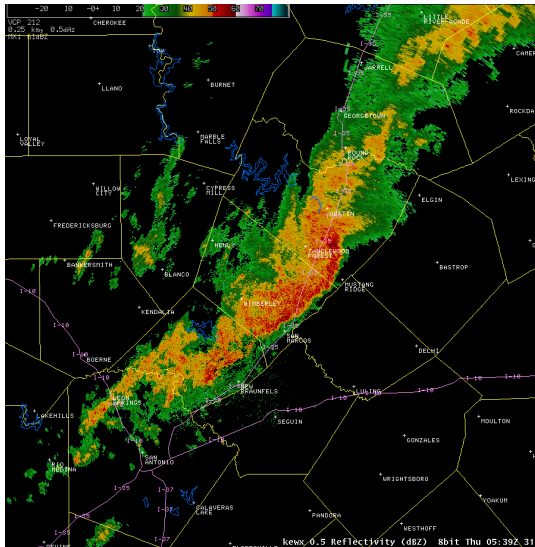


# Outline

- The City of Austin  
Flood Early Warning System (FEWS)
- ATXFloods Development
- ATXFloods.com During the Halloween Flood
- Alternate notification tools: Waze & Twitter

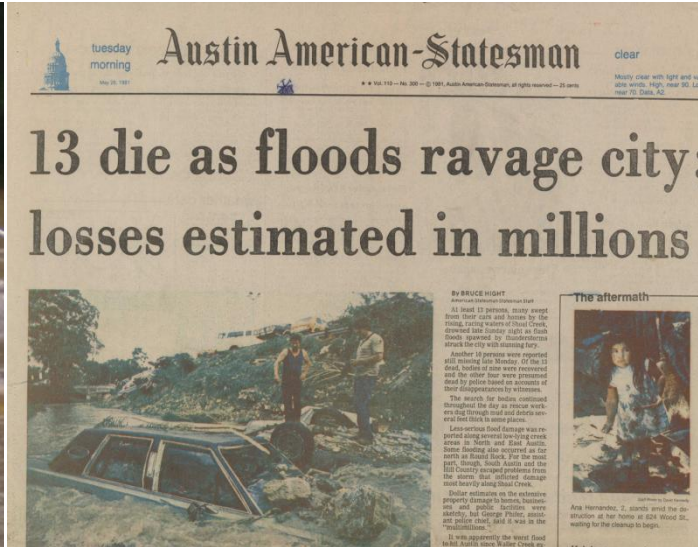
# The Halloween Flood

## 10/31/2014

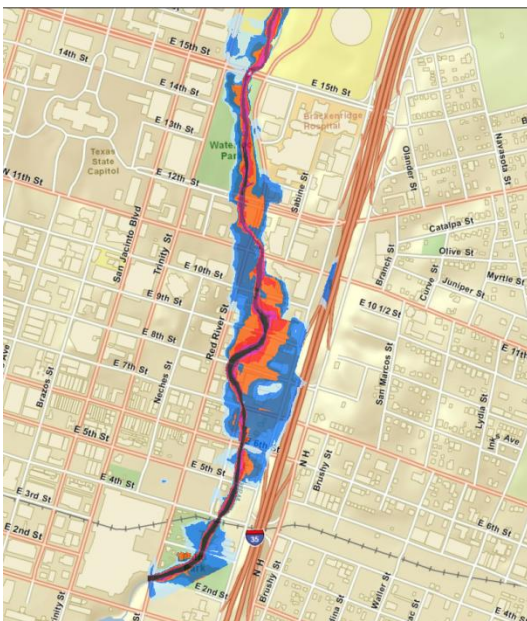




# Flooding Events in The City of Austin







# Outline

- The City of Austin  
Flood Early Warning System (FEWS)
- **ATXFloods Development**
- ATXFloods Alerts
- Future Development

# Code for America

- 2012 Fellowship in Austin

- Prepared.ly
- StrayMapper
- ATXFloods
  - Emily Wright
  - @emilyville



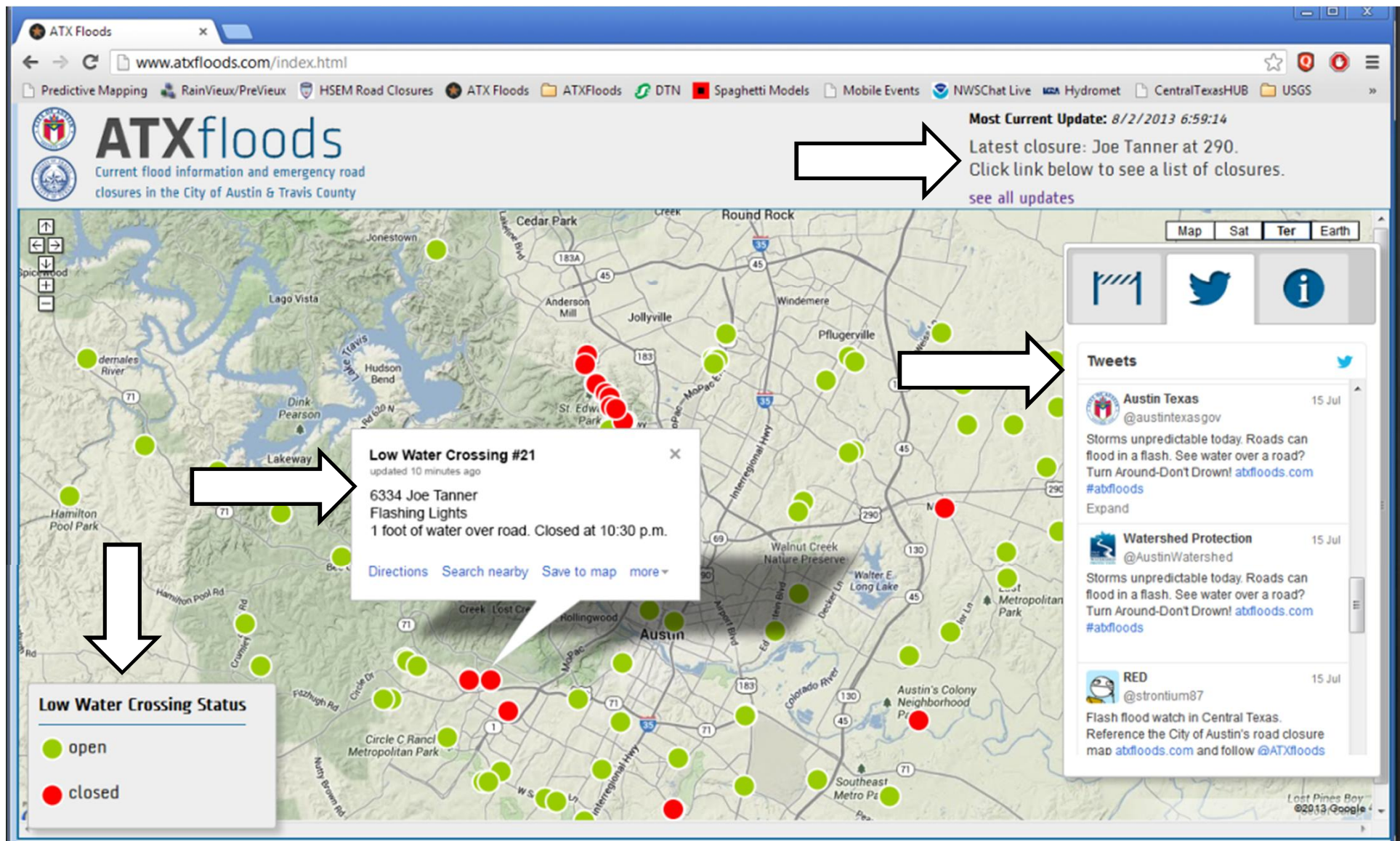
# CoA FEWS is using “New” Communications to reach citizens

- Desktop & mobile site
- NOT app

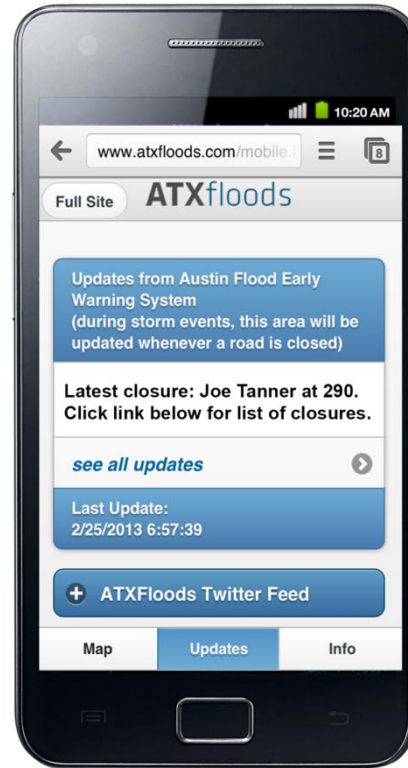




# Components of ATXFloods



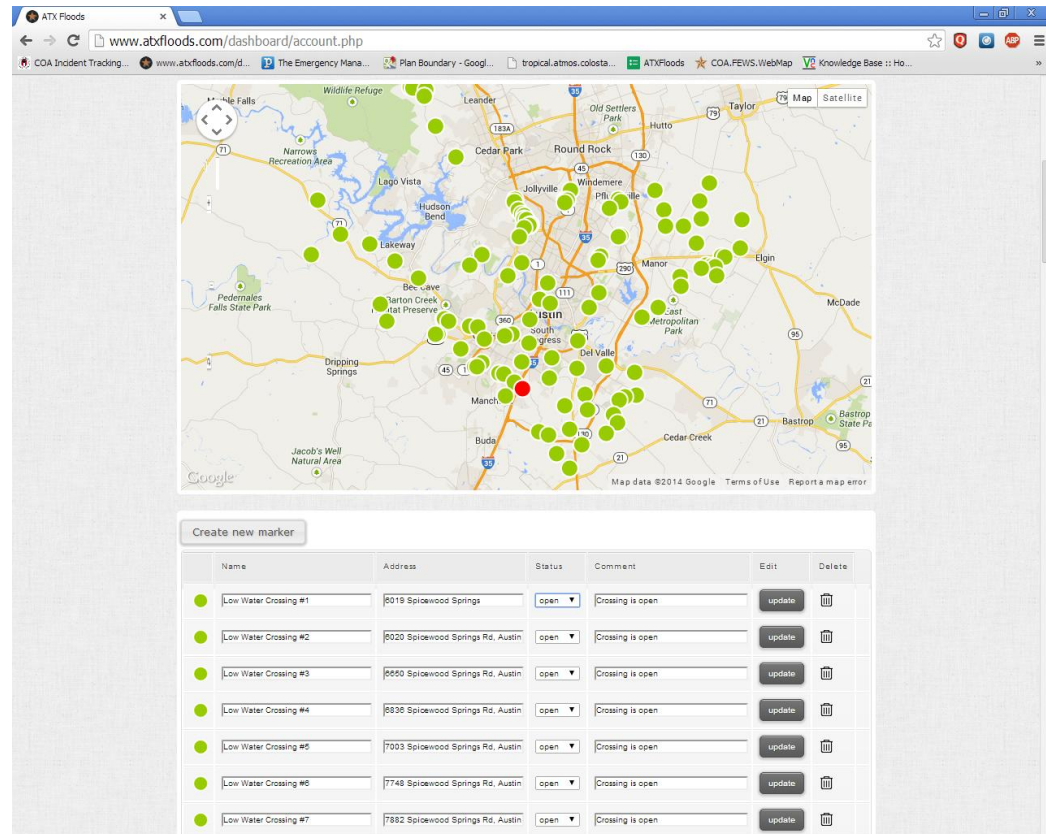
# The ATXFloods Mobile Site reaches users on their preferred device



- ATXFloods Mobile website accessible from the desktop version
- Not an app, but looks and acts like one

# ATXFloods Dashboard

- Allow us to set permissions to allow crossings to be closed by other agencies, jurisdictions or even local volunteers.

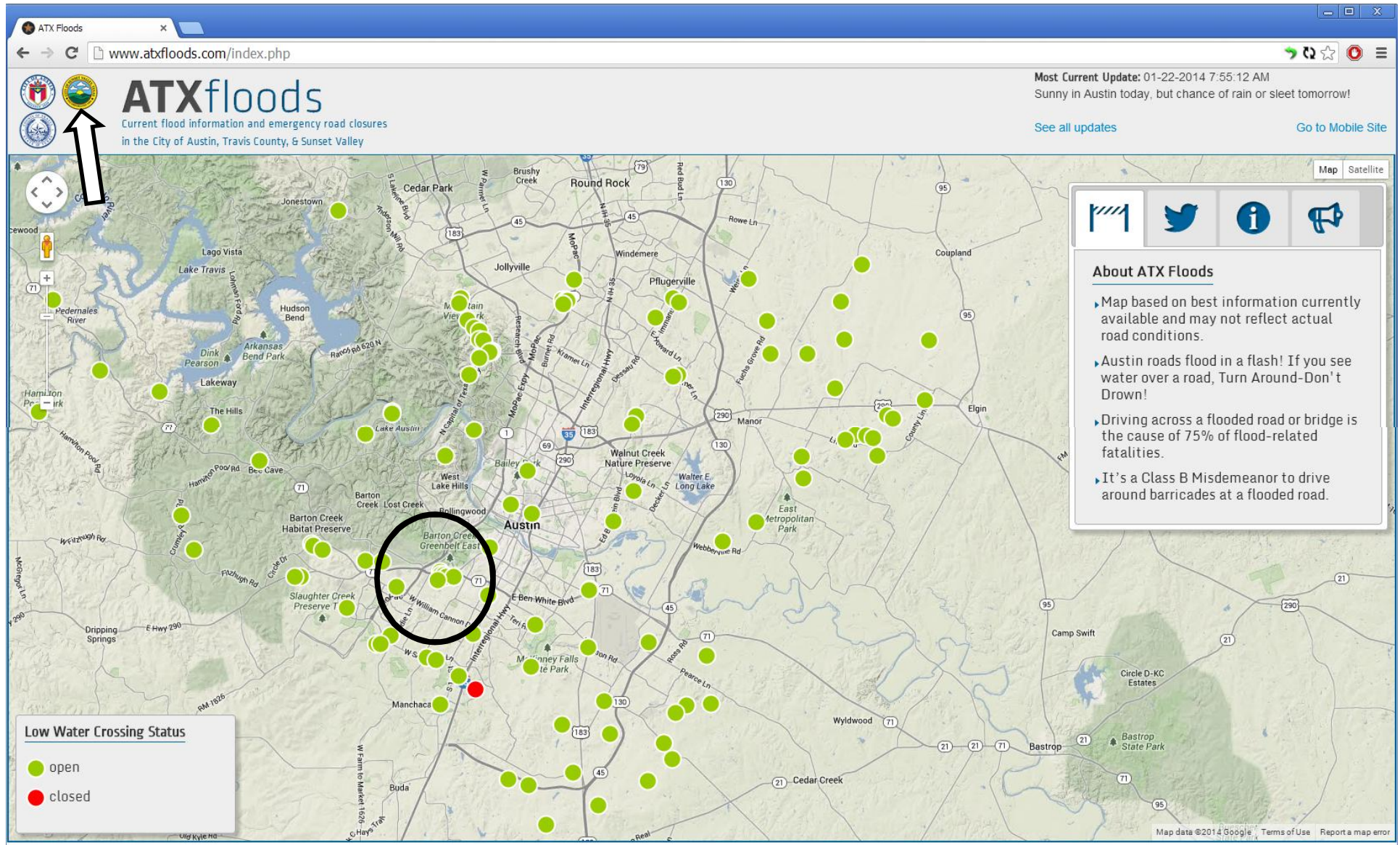


The screenshot displays the ATXFloods Dashboard interface. At the top, the browser address bar shows the URL [www.abxfloods.com/dashboard/account.php](http://www.abxfloods.com/dashboard/account.php). Below the browser window, a map of Austin, Texas, is shown with numerous green circular markers indicating flood crossings. The map includes labels for various locations such as Cedar Park, Round Rock, Jollyville, and Austin. Below the map, there is a section titled "Create new marker" followed by a table with the following columns: Name, Address, Status, Comment, Edit, and Delete. The table contains seven entries, all labeled "Low Water Crossing" with addresses in Sploewood Springs Rd, Austin. Each entry has a status of "open" and a comment of "Crossing is open".

Name	Address	Status	Comment	Edit	Delete
Low Water Crossing #1	6019 Sploewood Springs	open	Crossing is open	update	delete
Low Water Crossing #2	6020 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete
Low Water Crossing #3	6500 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete
Low Water Crossing #4	6838 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete
Low Water Crossing #5	7003 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete
Low Water Crossing #6	7748 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete
Low Water Crossing #7	7882 Sploewood Springs Rd, Austin	open	Crossing is open	update	delete



# Sunset Valley: First ATXFloods Partner

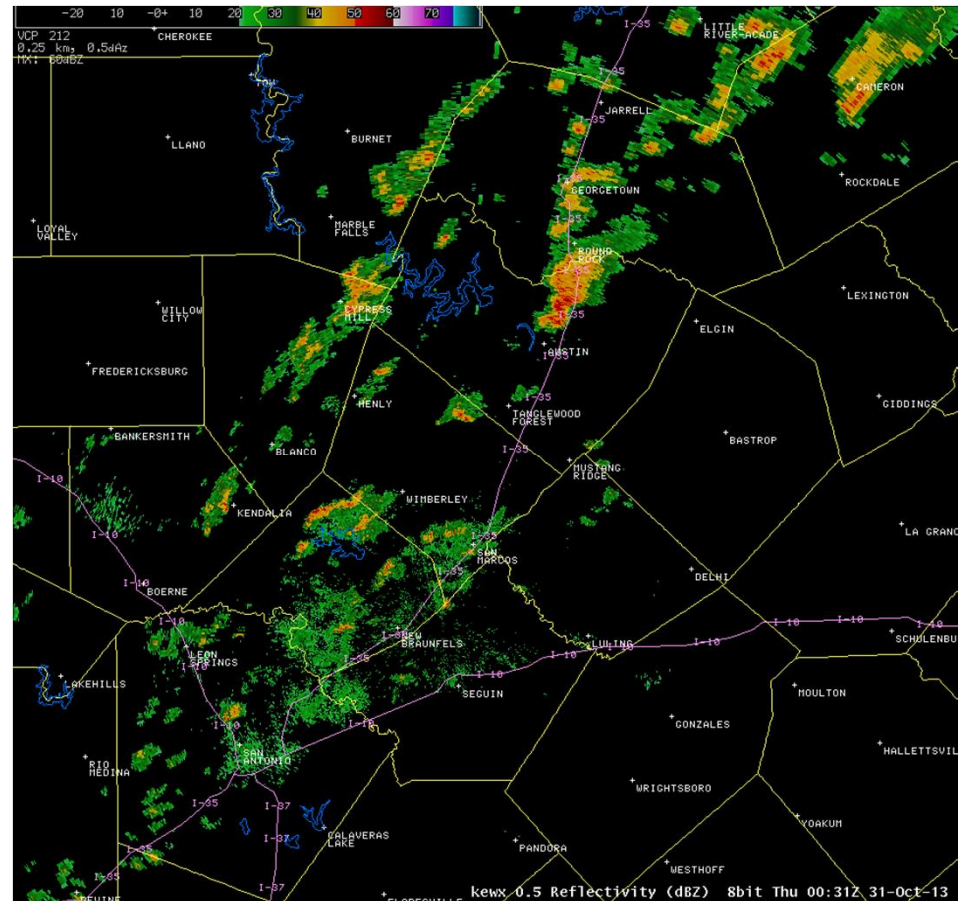


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- The City of Austin  
Flood Early Warning System (FEWS)
- ATXFloods Development
- **ATXFloods During the Halloween Flood**
- Other notification tools: Waze & Twitter

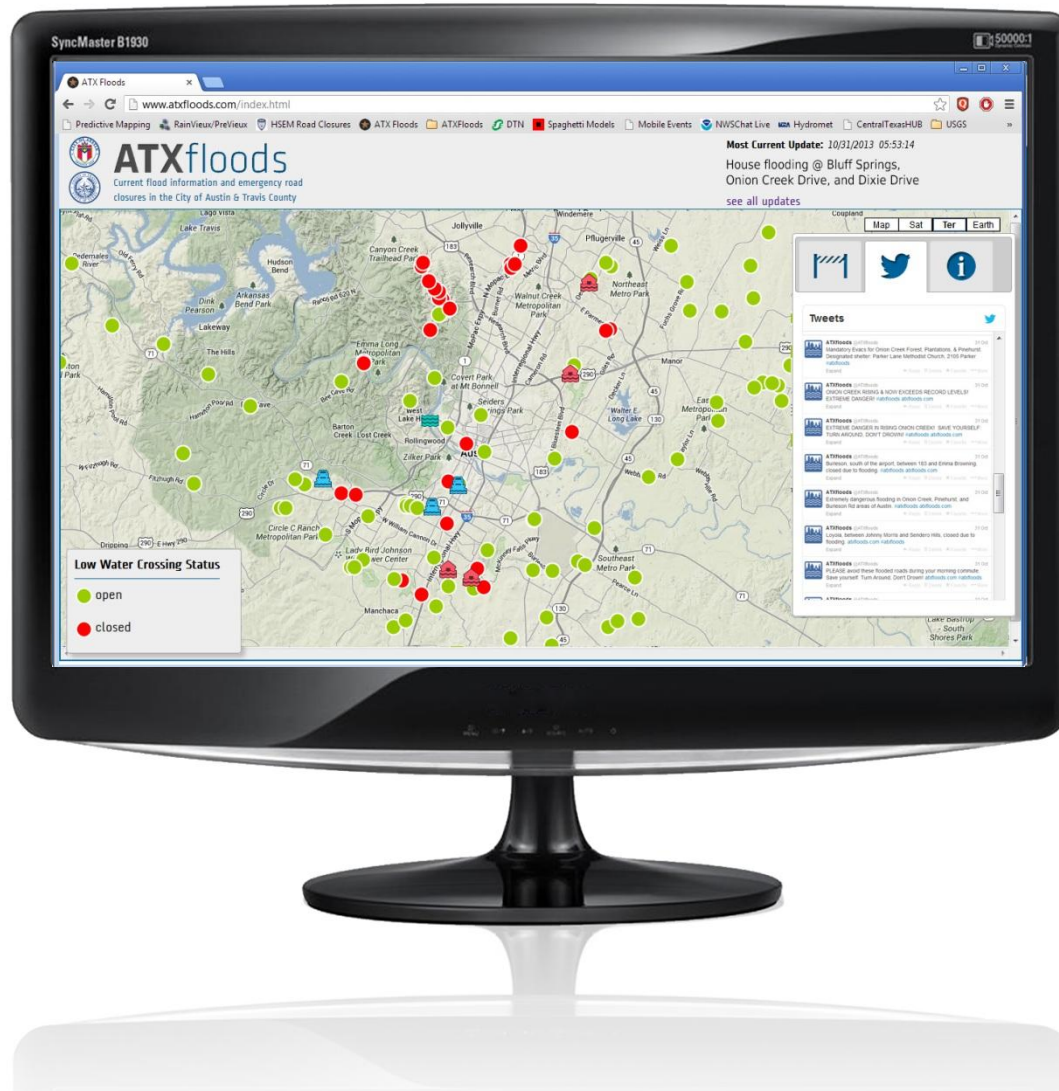
# The Halloween Storm

- For the first 12 hours of the storm, training occurred from southwest to northeast
- For the second 12 hours, the training also had an eastward movement
- Soils were saturated because of previous rainfall that had occurred on October 13





# ATXFloods During the Storm



- 40 road closures
- 40,000 unique visitors during the storm—approximately 5% of the city visited the site
- Site shown live on local news broadcasts
- Tweets from @atxfloods reached tens of thousands

# Lakewood Drive



# Lakewood Drive

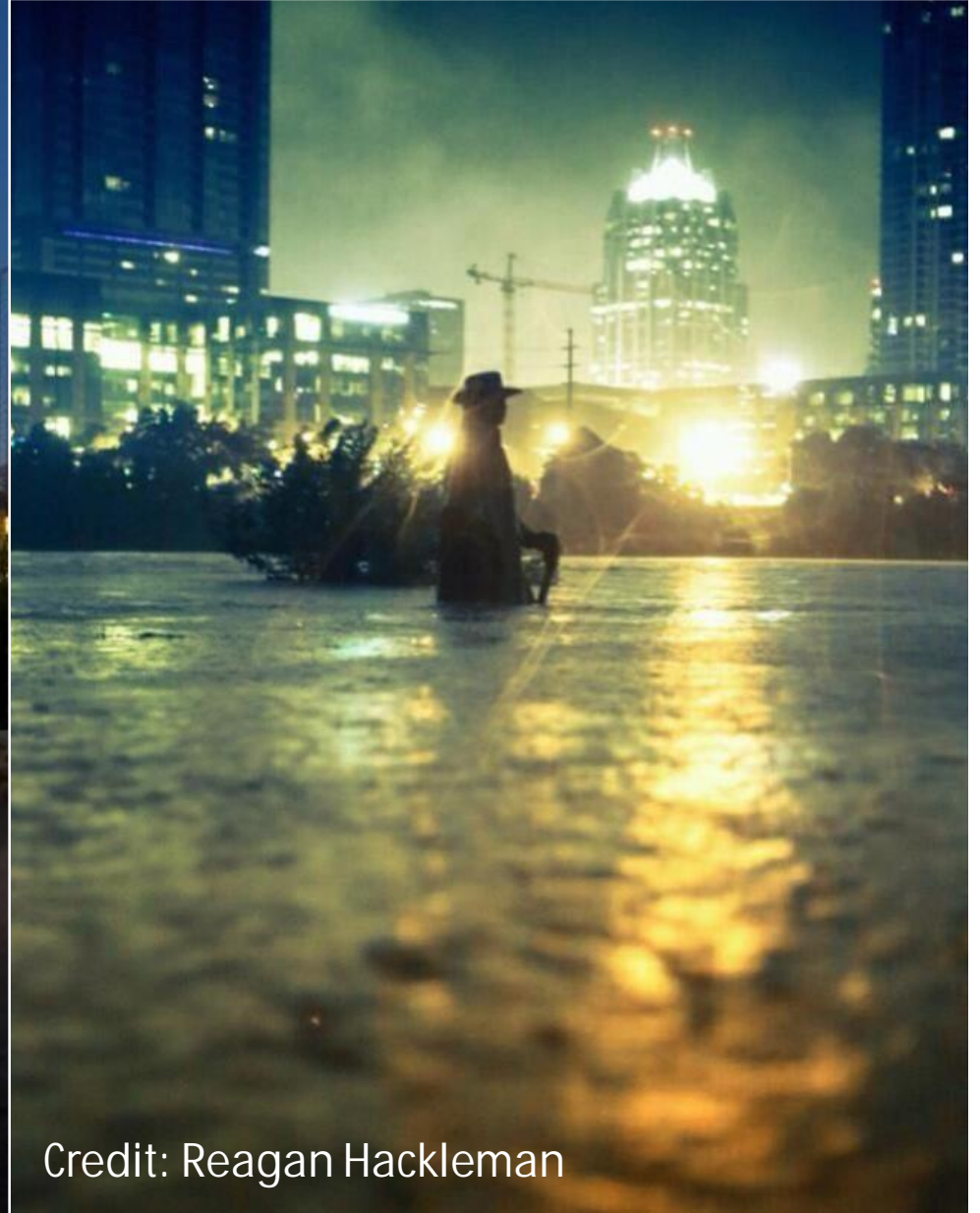




# Ladybird Lake



# Ladybird Lake



Credit: Reagan Hackleman

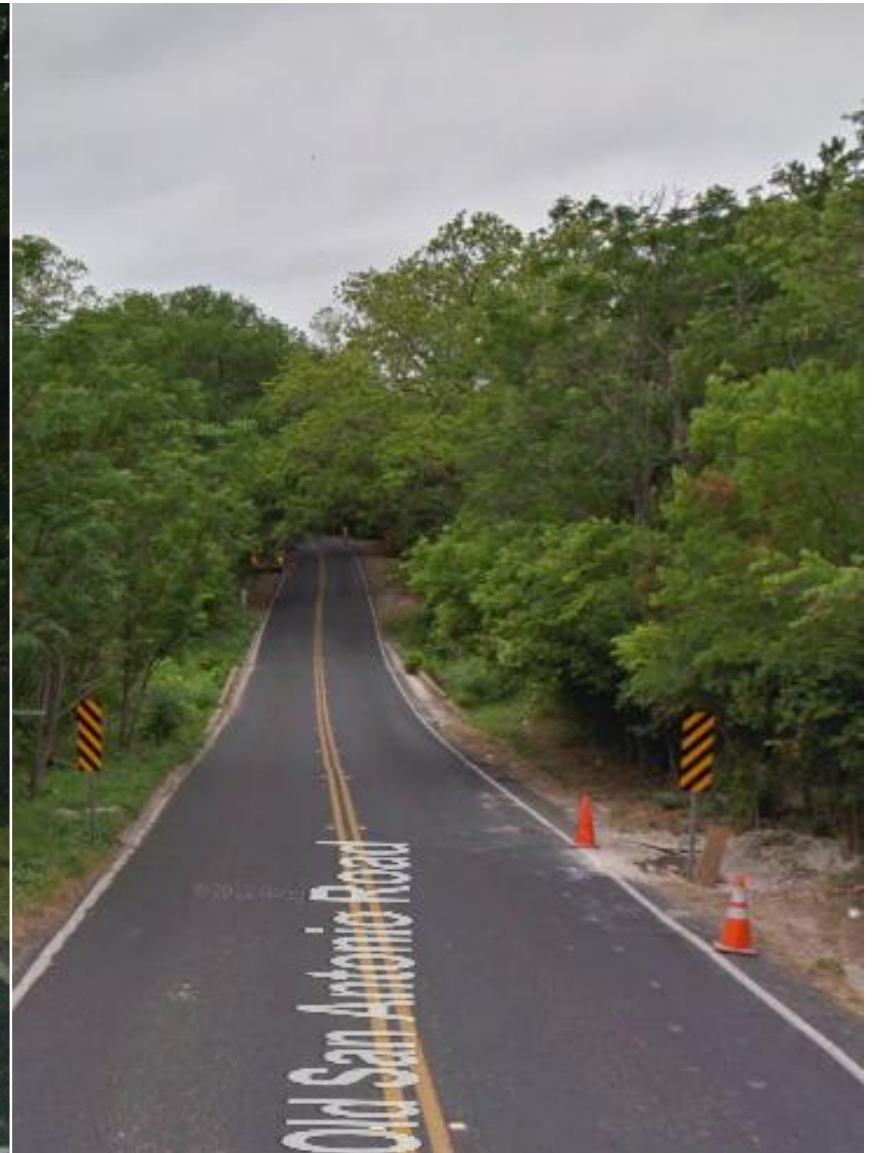


# Old San Antonio Road





# Old San Antonio Road



# William Cannon Bridge over Onion Creek



# Bluff Springs Road

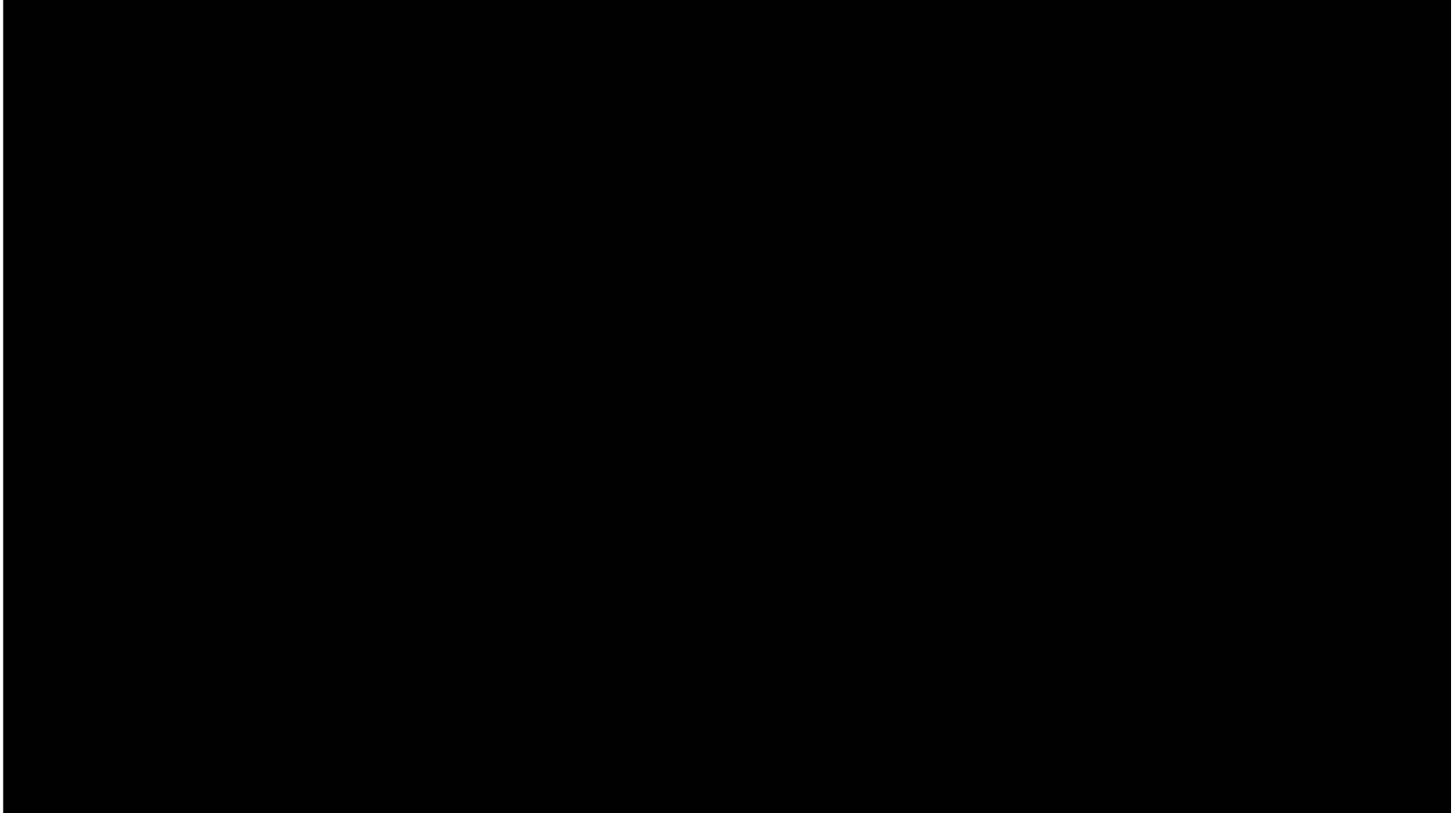




# 183 bridge over Onion Creek



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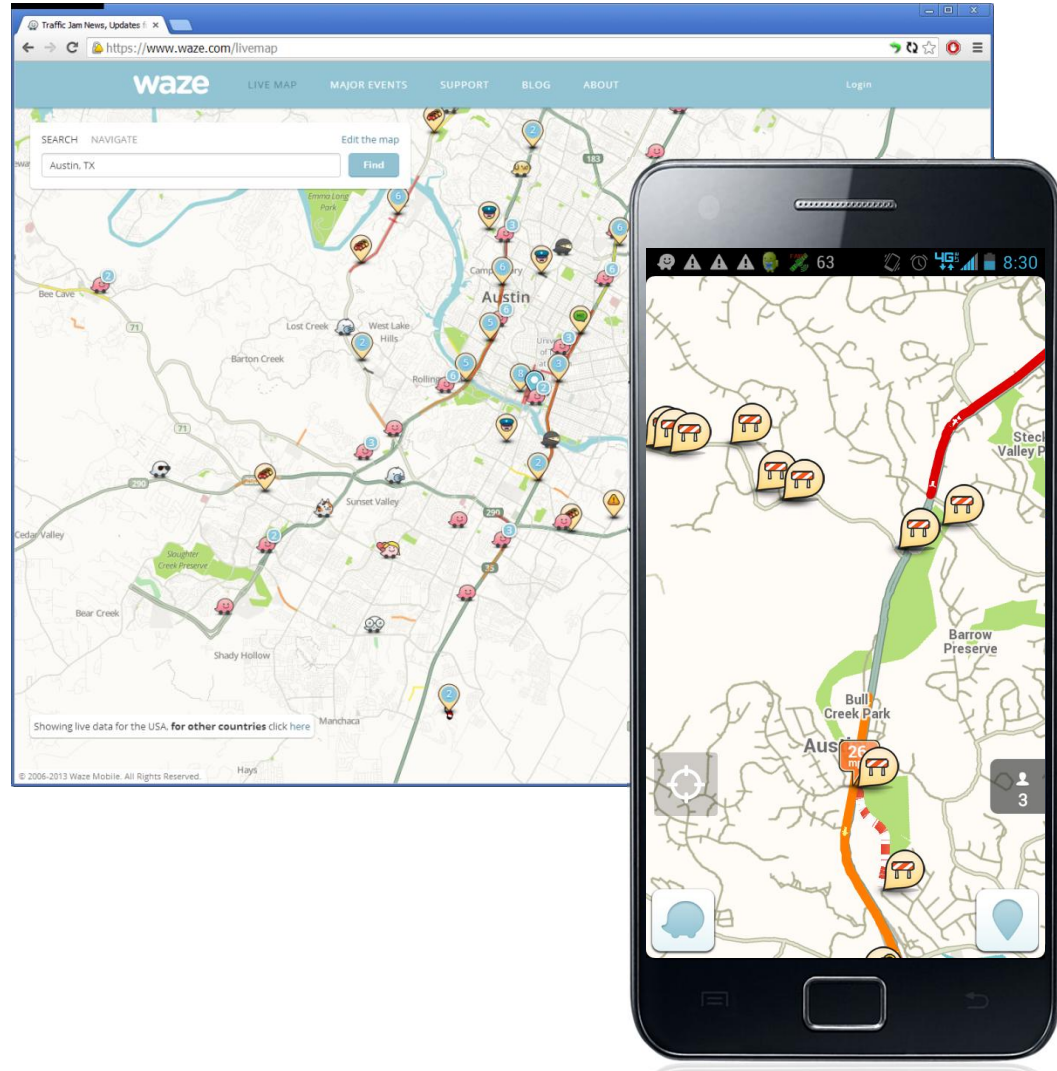


# Tweets from @ATXFloods Reached Tens of Thousands of Twitter Users



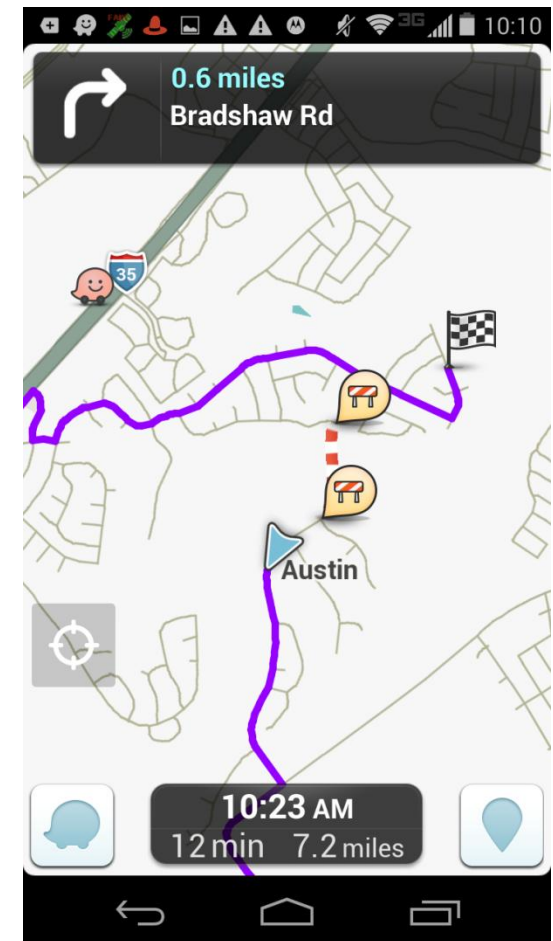
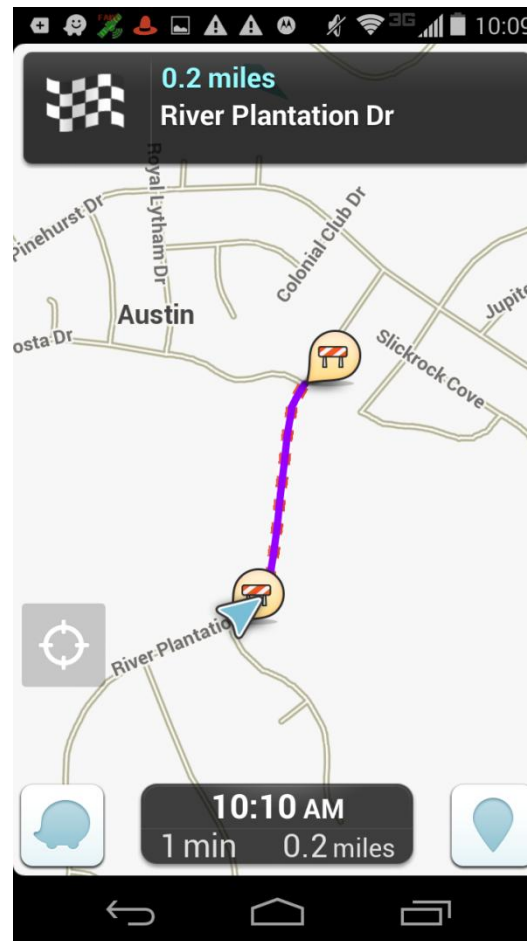
# Waze Integration

- Traffic, road hazard, and navigation app
- Reach people on products they are already using (e.g. Google Maps)



# Waze Integration

- Routes users around closures
- Avoids the temptation to drive around a barricade





# Thank You

You've been a wonderful audience.

ATXFloods address: [atxfloods.com](http://atxfloods.com) | [#atxfloods](https://twitter.com/atxfloods) | [@atxfloods](https://twitter.com/atxfloods)

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[Matthew.Porcher@austintexas.gov](mailto:Matthew.Porcher@austintexas.gov) | [@MattFEWS](https://twitter.com/MattFEWS)

[Robert.Clayton@austintexas.gov](mailto:Robert.Clayton@austintexas.gov)

