



**REQUEST FOR PROPOSAL ADDENDUM  
PURCHASING OFFICE  
CITY OF AUSTIN, TEXAS**

**REQUEST FOR PROPOSAL: SMW0125 ADDENDUM NO. 2 DATE OF ADDENDUM: February 26, 2015**

This addendum is to incorporate the following questions and answers:

**Q1: Will maps (or project planning diagrams) be made available which show distances between preferred sites?**

A1: The sites have not yet been selected as it will depend on the cost. The cameras shall be installed on bridges, poles, or similar City infrastructure. The Contractor shall provide descriptions and pricing on bracket hardware for different types of installations, but City personnel will perform the actual installation (with guidance from the vendor's representative). Please detail costs in your proposal for different mounting situations.

**Q2: Will remote access to stored data be required?**

A2: Yes, the City shall be able to access images from the camera network remotely.

**Q3: After the 90-day period for storage, what is the expectation for stored data? Purging Archiving to disk? Please advise.**

A3: It is preferable that the data be made available to the City for archiving. This could be accomplished by archiving them to disk or making a download package available to the City. Please detail in your proposal your recommended options and associated costs.

**Q4: What are the specifications for any required "cyber security" and/or encryption?**

A4: There are no specifications for cyber security or encryption. These images are to be publicly available and thus we are not concerned if they are "intercepted." However, it would be problematic if a malicious entity were to be able to upload images that would be displayed to the end user. Please detail any safeguards or precautions you would take to thwart such malicious activity in your proposal.

**Q5: What brand name and model number are the two cameras that the city is currently using?**

A5: Acorn 6210M

**Q6: On the two current sites, are IR illuminators being used? If so please state the make and model.**

A6: IR illuminators are not being used. The cameras have built-in IR illuminators. If you recommend IR illuminators, please note that in your proposal along with their installation cost.

**Q7: On the two current sites, what are the pixel dimensions, and minimum size in K(kilobytes) and image compression being used?**

A7: 640x480 Resolution. The file size is unknown.

**Q8: What is the desired image resolution for the new sites?**

A8: 640x480

**Q9: On the two current sites, what size batteries and solar panels are used?**

A9: The battery size is unknown; however the solar panels are 50W, 12V.

**Q10: On the two current sites, what cell carrier is used?**

A10: AT&T is the cell carrier.

**Q11: On the two current sites, if cellular data is used, what is the data plan size?**

A11: The data plan size is unknown.

**Q12: If cellular is used for communications, does the city have a carrier preference?**

A12: The City does not have a preference.

**Q13: How long do the cameras need to operate with dark days? This information is required for proper sizing of the solar and battery.**

A13: The cameras need to operate for a minimum of five (5) days.

**Q14: What are the coordinates, addresses, or cross streets of the proposed 30 locations?**

A14: The City has not identified the proposed 30 locations. Depending on the results of the RFP, The City may install more or fewer cameras.

**Q15: Is the City providing and installing the infrastructure that the camera systems will be mounted on? If so what is the infrastructure configuration that will be provided to attach the Camera Systems to? Poles, Buildings, etc.**

A15: The City prefers the Contractor have a mounting solution (e.g. brackets) that can be installed by City personnel. However, the City would consider a bid for just the cameras and back-end infrastructure (data transmission and storage). In that case, the City would have to weigh the internal costs of designing and fabricating its own brackets.

**Q16: Will the City install the IR tape at the sites?**

A16: The City will install the IR tape.

**Q17: If a Camera is mounted such that it shows a roadway does the City want the Contractor to include a Motorist Staff Gauge to indicate the level of the water over the roadway, or will the City provide the signs and locations?**

A17: The City will provide this signage.

**Q18: Item 5.8 of the Statement of Objectives states that the Contractor “shall have a representative on-site or available during installation to provide guidance.” Please describe the expected installation schedule. Is it expected that all sites will be installed in a concentrated effort? If so, can you provide an estimate for the length of time this effort is expected to take? If it is not expected to be a single concentrated effort please describe the installation plan. For out of town Contractors this information is important in determining travel costs and the amount of time they should plan on having a representative physically in Austin.**

A18: The City will work with the schedule provided by the Contractor in the proposal. There may be instances where the City needs to obtain permission to access the premises or have proper safety personnel on-site during installation. These items will be addressed as necessary.

**Q19: Can one Contractor submit two separate proposals, one based on the RFP and one with an alternate approach?**

A19: Yes, the City is interested to see all possibly approaches to achieve the desired end result.

**Q20: Will the City provide the location for the cameras?**

A20: Yes, the City will provide this information to the awarded Contractor.

**Q21: What if a camera is vandalized or damaged?**

A21: The Contractor shall include a price for a replacement camera and all associated parts and costs in the proposal.

**The due date for questions has been extended to Monday, March 2, 2015 at 5:00 PM Central.**

**The Bid Due Prior To: and Public Bid Opening: dates have been extended to Thursday, March 26, 2015 at 3:00 PM.**

**The sign-in sheet from the Pre-Proposal meeting is attached to this document.**

All other terms and conditions remain the same.

BY THE SIGNATURES affixed below, this Addendum is hereby incorporated and made a part of the above-referenced Solicitation.

**APPROVED BY:**

**Paige McDonald, Senior Buyer**  
Purchasing Office, 512-974-2076

**ACKNOWLEDGED BY:**

\_\_\_\_\_  
**SUPPLIER**                      **AUTHORIZED SIGNATURE**                      **DATE**

**RETURN ONE (1) COPY OF THIS ADDENDUM TO THE PURCHASING OFFICE, CITY OF AUSTIN, PRIOR TO BID OPENING OR WITH YOUR SEALED BID. FAILURE TO DO SO MAY CONSTITUTE GROUNDS FOR REJECTION OF YOUR OFFER.**

## PURCHASING OFFICE MEETING SIGN-IN SHEET

RFP & Description: RFP SMW0125, Camera Purchase and Installation Services for Flood  
 Early Warning System  
 Buyer: Paige McDonald,  
 Senior Buyer

Meeting Date:  
 2/18/15  
 Place/Room: CTECC  
 /EOC

Please Print Legibly

Name	Company/Agency/Dept.	Phone	Email
ANDY FOOKE	AKMR CONSULTS	502 657-2946	ADDRESS.ROOKE@AKMRCONSULTS.COM
Baxter Vioux	Vioux inc.	405 325 1818	baxter.vioux@viouxinc.com
Susan Jauer	COA/WPDD	332-777-3327	susan.jauer@coacth.tn.gov
Tim Martin	Riverside	970 484 7573	tim.martin@riverside.com
BARVEN AUSTIN	Aqua Strategies Inc	(512) 326-2604 325-1818	baustini@aquastrategies.com
Jean Vioux	Vioux Inc	405 442	jean.vioux@viouxinc.com
Gregg Potter	Anythingweather	760-459 0079	gregg@anythingweather.com
Jens Procke	LCI CENTER	203-953 9991	jens.procke@lcisystems.net
Constance Plueckhahn	Argyle Security PHCS Fire Security	(512) 916-0641	cplueckhahn@argylesecurity.com
Donna-lee Bliss	COA/WPDD	512-974 2530	Donna-lee.Bliss@austintexas.gov
Kevin Shunk	COA/WPDD	974 9176	Kevin.Shunk@austintexas.gov



**PURCHASING OFFICE MEETING SIGN-IN SHEET**

RFP & Description: RFP SMW0126, Graphical User Interface for Flood Early Warning System

Meeting Date:  
2/18/15

Buyer: Paige McDonald, *former A* Purchaser and *Delatafin* Services  
Senior Buyer *for FEWS*

Place/Room: CTECC  
/EOC

Name	Company/Agency/Dept.	Phone	Email
Georgie Billela	COA-Purchasing	512-994-2939	georgiabillela@aust.texas.gov
Alicia Richards	IBM	407-234-3796	caterich@us.ibm.com
<del>Jean Vioux</del>	<del>Vioux Inc</del>	<del>405-325-1818</del>	<del>jean.vioux@viouxinc.com</del>
Blake Kellum	One Rain, Inc	430-661-2180	blake.kellum@onerain.com
BRYNEN ASTIN	Aqua Strategies Inc	(512) 826-2604	brynena@aquastrategies.com
SUSAN DAVIEL	COA/WIPD	512-994-3323	susan.jamak@aesh-texas.gov





# Flood Cameras

## Statement of Objectives

Tomas Rodriguez, P.E., CFM | Matt Porcher, CFM  
Susan Janek, P.E., CFM | Kevin Shunk, P.E., CFM

02.18.2015



# Outline

- The City of Austin Flood Early Warning System
- 3 RFPs
- Flood Cameras
- Questions

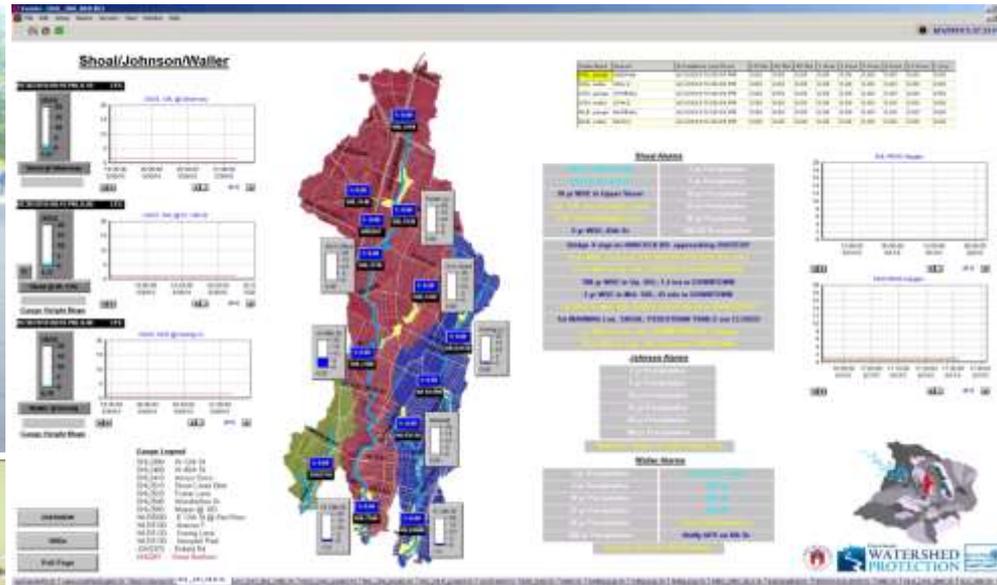
# Outline

- The City of Austin Flood Early Warning System
- 3 RFPs
- Flood Cameras
- Questions

# The City of Austin Flood Early Warning System



# The City of Austin Flood Early Warning System



# The Halloween Flood

## 10.31.2013



Credit: Reagan Hackleman

# Outline

- The City of Austin Flood Early Warning System
- 3 RFPs
- Flood Cameras
- Questions

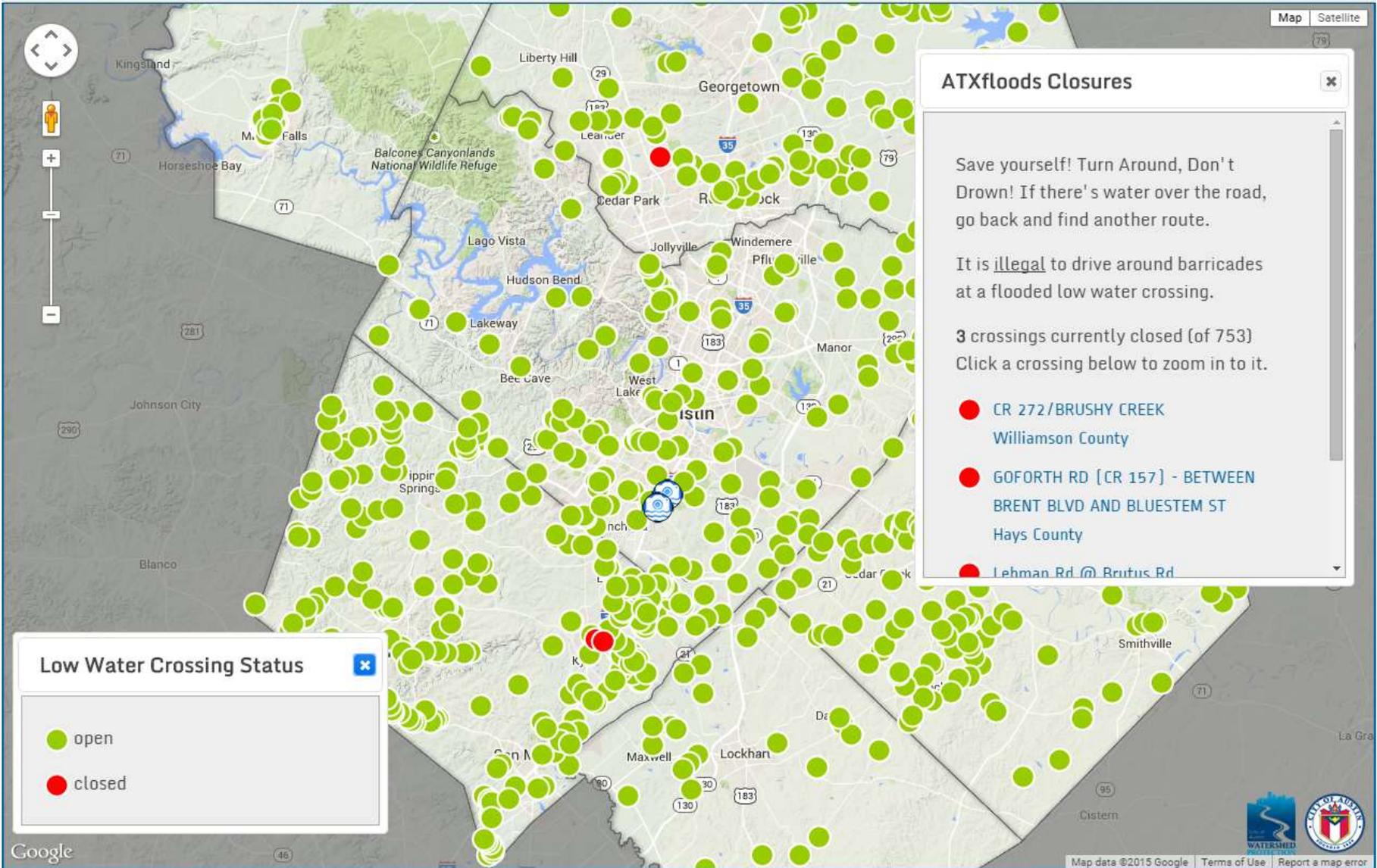
# 3 RFPs

- In response to the Corrective Action Plan (CAP) for the Halloween Flood
- 3 interrelated RFPs
  - Common Operating Picture
  - Flood Forecasting, Mapping, and Modeling
  - Flood Cameras
- The City reserves the right to make multiple awards

# Outline

- The City of Austin Flood Early Warning System
- 3 RFPs
- Flood Cameras
- Questions

Objective: build a network of  
creek cameras publicly  
accessible on ATXfloods for  
visual situational awareness.



### ATXfloods Closures

Save yourself! Turn Around, Don't Drown! If there's water over the road, go back and find another route.

It is illegal to drive around barricades at a flooded low water crossing.

3 crossings currently closed (of 753)  
Click a crossing below to zoom in to it.

- CR 272/BRUSHY CREEK  
Williamson County
- GOFORTH RD [CR 157] - BETWEEN BRENT BLVD AND BLUESTEM ST  
Hays County
- Lehman Rd @ Brutus Rd

### Low Water Crossing Status

- open
- closed

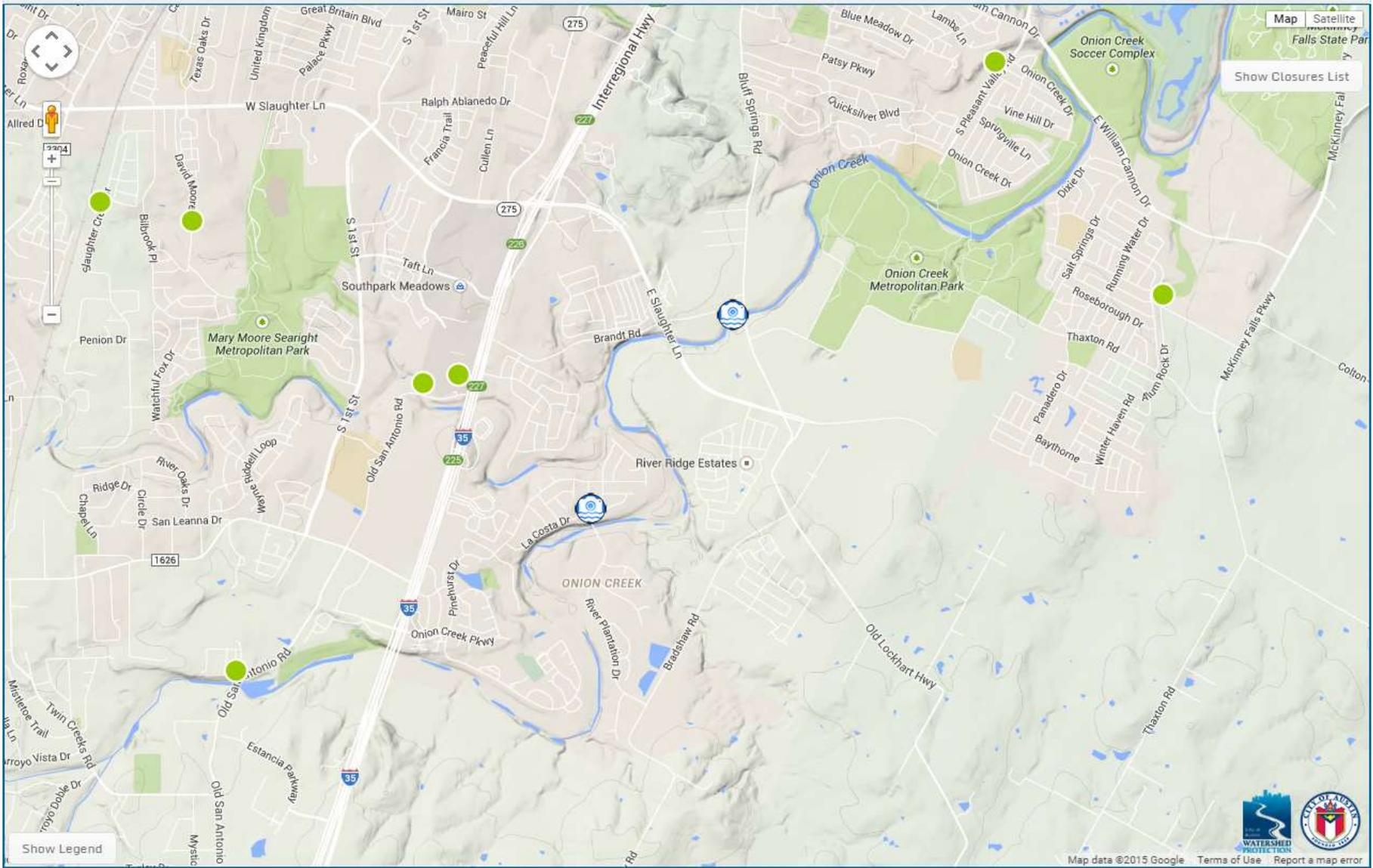
# ATXfloods

Current flood information and emergency road closures in Austin and partner communities in Central Texas.

Another partly cloudy day in Central Texas area. Rain possible on Sunday. | 02-13-2015 7:55:13 AM

See all updates

- Home
- Communities
- Twitter
- Contact
- Links
- Open Data
- Alerts
- Am I in a Floodplain?



The main map displays the Austin area with various streets and flood zones. A blue circle on the map indicates the location of the photo. The photo shows a flooded area with trees and a building in the background. The photo is titled "River Plantation Blvd at Onion Creek" and is dated "Feb 13 at 1:48 PM".

Map data ©2015 Google Terms of Use Report a map error

Camera images must be updated on the website at a minimum of every 3 minutes

Camera installation  
(including communications  
components) must be  
powered by solar or battery.

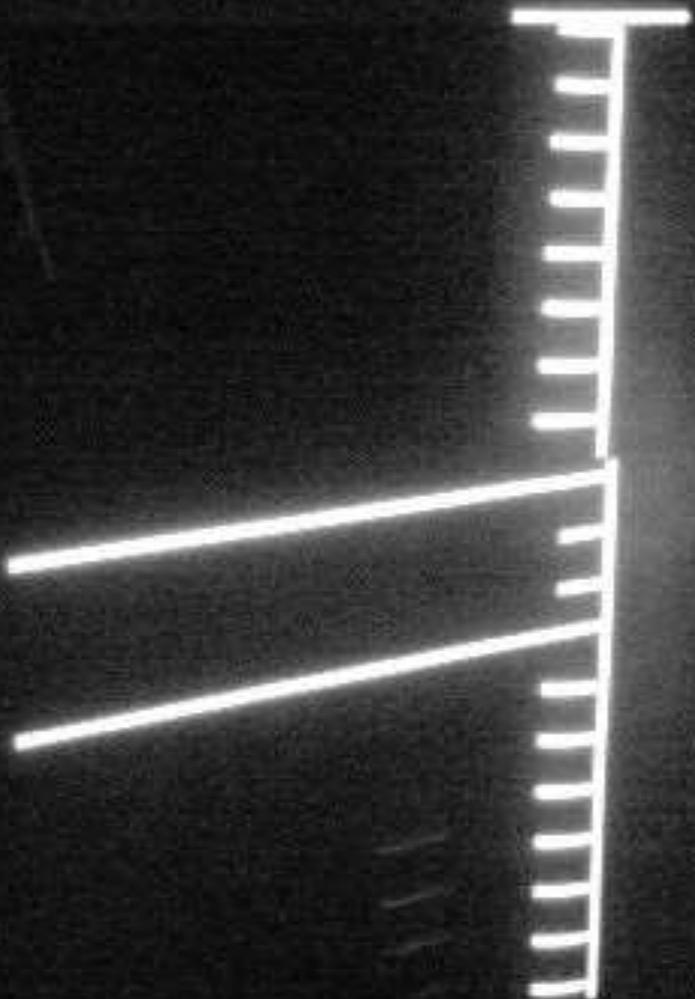
Cameras must provide images that are clear at all times, including during rain events as well as at night.



Tuesday, November 18  
5:34 PM



Tuesday, November 18  
5:37 PM



Wednesday, November 19  
12:00 AM

During installation,  
Contractor must work with  
City to ensure cameras are  
oriented to best provide  
images of areas of interest.

Contractor must host the camera imagery on their servers for display on [ATXfloods.com](http://ATXfloods.com).

Contractor must provide  
information on **billing  
procedures.**

Contractor will need to  
provide camera  
specifications that include  
life expectancy.

After installation, if a camera is **damaged**, Contractor shall provide a price for **replacement cameras** or associated parts.

# Questions?

