UPPER ONION CREEK FLOOD RISK REDUCTION
Overview

• Project Update
• Urban Stewardship
• Flood Safety
• Atlas 14
• Questions
Project Overview

• Three Groups of Buyouts
  • Flood Recovery Buyouts – Completed
  • Phase 1 – In Progress
  • Phase 2 – Pending
  • Participation Optional
Current Status – Phase 1 and Recovery Buyouts

58 Properties
- 45 Offers Made
  - 38 Offers Accepted
  - 17 Properties Acquired
- 2 Not Interested
Buyout Process

• Initial Interview
• Third-Party Appraisal
  • Based on current condition
  • Owner should be present during appraisal
• Offer
  • Based on appraisal
  • Owner may accept, reject or counter the offer
Buyout Process

• Closing
  • 45 to 90 days after offer is accepted
  • Contingent on clear title
  • Typically coincides with replacement home closing date
  • Property must be vacant and clear of debris prior to closing
  • City pays closing costs
Relocation Benefits

- Included with offer
- One-time payment
- Spend-to-get
- Fixed or actual move payments
- May not relocate into FEMA 500-year floodplain

Owner (at least 90 days)
Difference between comparable replacement home and purchase price of buyout home.

Tenant / Owner (less than 90 days)
Difference between the replacement rental and the current rental rate x 42 months

Landlord
Up to $25,000 for re-establishing their business and $2,500 for searching
Phase 2

- Remaining properties at risk in current 100-year floodplain
- Cost estimate: about $48M
- About $2M in this year’s budget
- Additional funds in future years
- Authorization needed from City Council, possibly in early 2019
URBAN STEWARDSHIP
Roxanne Jackson
Watershed Protection Department
Field Operations Division
Urban Stewardship

Green Infrastructure

Land Management & Vegetation Control Program

- Four dedicated employees
- Support by other staff
- Keep Austin Beautiful and other nonprofits
- Vegetation management contractors
Land Management
Over 1,227 Total Acres Managed

Increased Service Level

• Individual parcels & multiple lots
• Sub-sections of subdivisions
• Accepted land donations
• Purchased in support of WPD missions
• Pace and nature of buyouts affects management strategies
Vegetation Control

Limited Service Level

- Storm water control parcels
- Engineered channels & drainage conveyance areas
Coordination with Customers

- Field Operations staff
- Standard land management activities
- Site constraints & potential service level enhancements
- Potential community partnerships
- Communication & coordination
Standard Best Management Practices

• Mowing
  • Undeveloped and Natural Areas
  • Active Residential Areas
  • Wildflower and Native Grass Meadow

• Tree Care

• Trash & Illegal Dumping Removal
Enhanced Practices

- Watershed Protection Mission
  - Grow Zones
  - Rain Gardens
  - Capital Improvement Projects
- Community Gardens
- Pollinator Gardens
- Fruit & Nut Orchard
- Adoption & Volunteer Work Days
- Trails
- Dog Waste Station
- Other Community Requests
Community Partners Coordination

- Watershed Protection
- Parks and Recreation
- Public Works
- Office of Real Estate Services
- Law Department
- Austin Resource Recovery
- Sustainability Office

- Keep Austin Beautiful (KAB)
- Texas Conservation Corp
- Tree Folks
- Sustainable Food Center
Next Steps

• Continue Standard Management Practices
• Identify Community Partners
• Coordinate with Community Partners
• Identify Enhanced Management Practices
• Develop Land Management Plan
Thank you to our future neighbors and partners!

The whole can be greater than the sum of its parts!
FLOOD SAFETY AND
NOAA ATLAS 14
Karl McArthur – WPD Floodplain Office
"Texas is a land of perennial drought, broken by the occasional devastating flood"

State Meteorologist, National Weather Service, 1927
Where to Go for Flood Safety Information

ATXfloodsafety.com

ALL YOU NEED TO KNOW ABOUT FLOOD SAFETY AND FLOOD RELATED INFO.

Austin is in the heart of Flash Flood Alley. Use the links on this page to help protect yourself, your family and your property from floods.

NEW & NOTEWORTHY

FLOOD RISK AND ATLAS 14
Understanding Austin's flood risk and changing floodplains.

FLOODED ROADS
Visit ATXfloods to see real-time road closures.

FLOODPLAIN MAPS
Use FloodMap to see Austin's floodplains.

EMERGENCY ALERTS
Sign up for alerts through WarnCentralTexas.

FLOOD INSURANCE
Learn about flood insurance and how to get it.

RAINFALL DATA
Find out how much it's rained on LCRA Hydromet.

FLOOD SAFETY
Turn Around - Don't Drown and other flood safety information.

MAKE A PLAN
What to include in your emergency plan.

FLOODPLAIN REGULATIONS
Get information about regulations on building in the floodplain.

floodpro@austintexas.gov • Call 3-1-1 to report a drainage concern
What roads are flooded?

ATXfloods.com

- Map of closed crossings in Central Texas Area
- Cameras to show flood status
• Stay alert for flooded roads

• Flooding can occur quickly

• Even if it looks shallow, you don’t know what is underneath
Don't underestimate the power of water!

- 6 inches of fast-moving water can knock over and carry away an adult.
- 12 inches of fast-moving water can carry away a small car.
- 18-24 inches of fast-moving water can carry away most large SUVs, vans, and trucks.
Receive Warnings
WarnCentralTexas.org

- Click on “Get Alerts” and follow steps to register
View Rainfall and Stream Flow
hydromet.lcra.org

- Rainfall data for various timeframes
- Stream flow and Stage data
Local NWS Office
www.weather.gov/ewx

- Timely weather-related information
- Rainfall Total Projections
- Flash Flood Watch Areas
Make a Plan

www.ready.gov

• How will I receive emergency alerts and warnings?
• What is my shelter plan?
• What is my evacuation route?
• What is my family/household communication plan?
Atlas 14

- Nationwide study of rainfall intensities
- **Federal Partners**
  National Weather Service, U.S. Army Corps of Engineers, Federal Highway Administration
- **State/Local**
  TxDOT, Harris County Flood Control District, City of Austin, et al.
Rainfall Depth Changes

• Examination of historic rainfall data

• Adds data from 1961 – 2017
## Austin Rainfall Impacts

<table>
<thead>
<tr>
<th>Storm Level</th>
<th>Current Rainfall Depth (24 hour storm)</th>
<th>Updated Rainfall Depth (24 hour storm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-year (4% chance)</td>
<td>7.6 inches</td>
<td>Almost 10 inches</td>
</tr>
<tr>
<td>100-year (1% chance)</td>
<td>10.2 inches</td>
<td>Up to 13+ inches</td>
</tr>
<tr>
<td>500-year (0.2% chance)</td>
<td>13.5 inches</td>
<td>Up to 19.5 inches</td>
</tr>
</tbody>
</table>
What does a 1% Annual Chance of Flooding Mean?

• A 100-year flood has a 1% chance of happening every year

• It has a 26% chance of happening over a 30-year mortgage

• Can occur multiple times per year; does not occur every 100 years

• FEMA and nationwide standard to map flood hazard areas
What does the new understanding of Flood Risk Mean?

• More buildings in the 100-year floodplain

• Depth of flooding increases

• More low water crossings at risk of flooding

• Depth and velocity of flooding over roadways increase
Impacts to Citywide floodplains

<table>
<thead>
<tr>
<th>Floodplain</th>
<th>Approximate number of buildings in the floodplain</th>
<th>Approximate percent of City area in the floodplain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current 100-year</td>
<td>4,000</td>
<td>9%</td>
</tr>
<tr>
<td>Current 500-year (excluding Colorado River floodplain)</td>
<td>7,200</td>
<td>11%</td>
</tr>
<tr>
<td>Difference</td>
<td>3,200</td>
<td>2%</td>
</tr>
</tbody>
</table>
Floodplains Expand

• More homes and businesses are at risk of flooding than previously thought.
• Affects ability to develop, remodel, or redevelop property.
• Affects the need for and the cost of flood insurance.
• Floodplains will need to be re-studied.
• See impacts at ATXfloodpro.com
Using FloodPro

• Go to ATXfloodpro.com
• Click “I want to…”
• Click “Explore Atlas 14 Changes”
• Enter an address to search
What is the Impact to Flood Insurance?

- Flood insurance impacts are dependent on FEMA map update
- Map updates at least 3 years away
- Rates may go up
- Insurance requirements may change
- Talk to an insurance agent now
Websites
ATXfloodsafety.com
AustinTexas.gov/Atlas14
AustinTexas.gov/OnionCreek

Contact us
Atlas14@AustinTexas.gov
Floodplain Hotline 512-974-2843
Questions?