Agenda item 4b

City of Austin
WATERSHED PROTECTION

FY 2013 Financial Forecast Presentation

Protecting lives, property and the environment by reducing the impact of flood, erosion and water pollution.

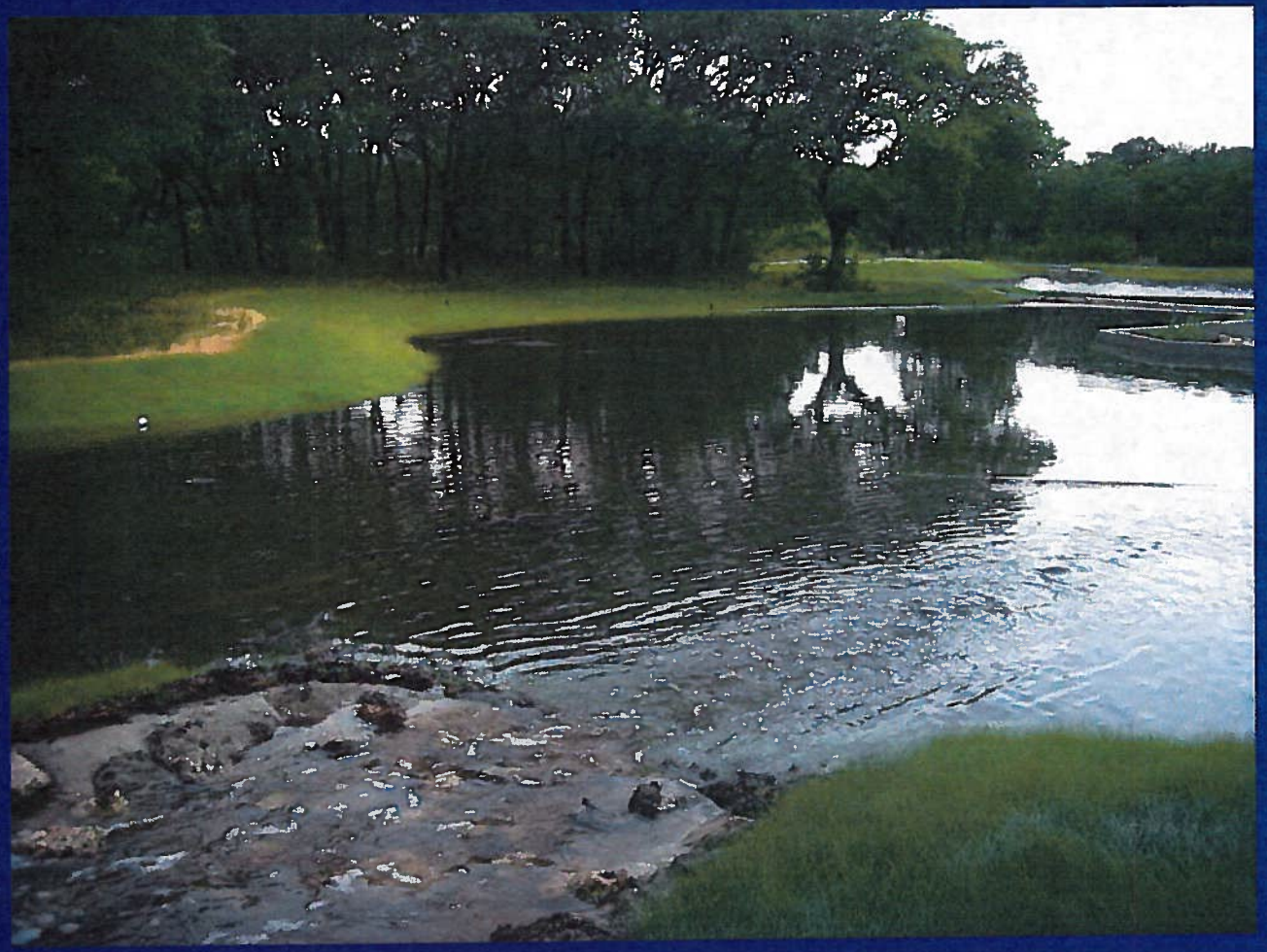
Photo: Austin Convention & Visitors Bureau

Snow Goose Emergency Streambank Restoration

Tropical Storm Hermine caused dangerous erosion that Watershed Protection restored.

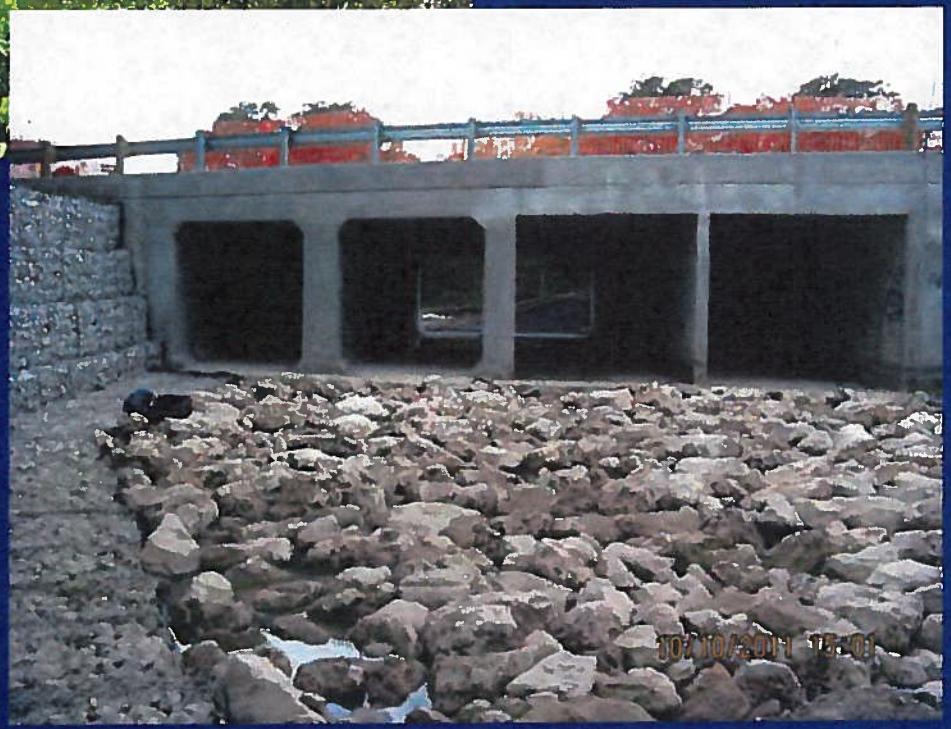
Lundelius-McDaniels Water Quality Pond

EPA announced Austin as model city for green infrastructure.



This water quality pond treats storm water that eventually flows into the Edwards Aquifer and Barton Springs.

Low Water Crossing Upgrades



Covered Bridge Roadway Improvement

Completed Covered Bridge and Thaxton Road Low Water Crossing Upgrades

- Both projects were a result of the Regional Stormwater Management Program.
- Cost participation with Travis County via their RSMP fee.
- City RSMP funds used for Covered Bridge.
- Both are now compliant with Drainage Criteria Manual requirements.

Education & Outreach

Youth Education: Earth Camp/Earth School

Flash Flood Facts

Spicewood Spicewood Springs Road at Bull Creek, September 2010.

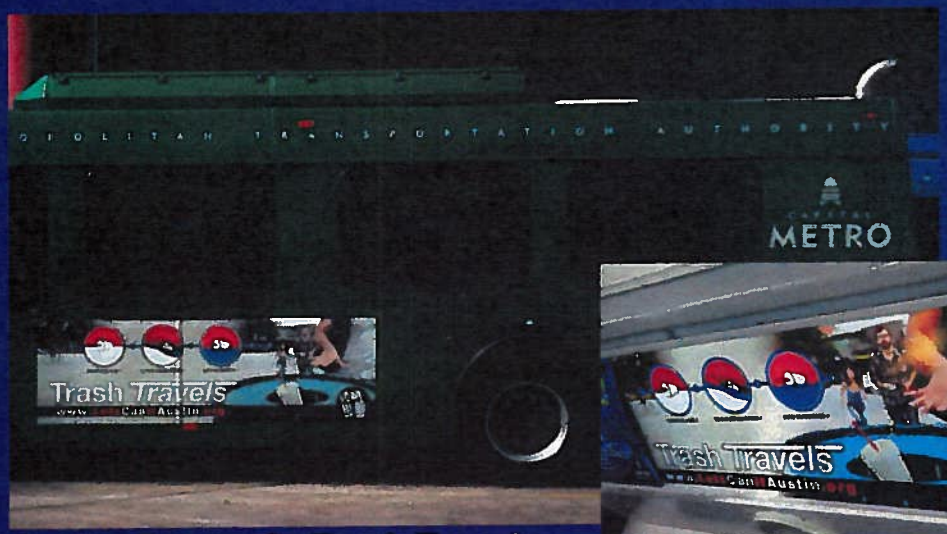
- If you see water over the road or a barricade, turn around.
- You can't see what's under the floodwaters. The road may be washed away.
- It is a Class B misdemeanor in Texas to drive around a barricade at a flooded road.

The Power of Water

10 inches of rainfall in 24 hours can cause Austin creeks to flood with 500,000 pounds of water raging downstream every second.

Spicewood Spicewood Springs Road at Bull Creek, September 2010 after flood waters receded.

Flood Safety: City of Austin Defensive Driving



Public Outreach: Trash Travels

Master Plan Progress

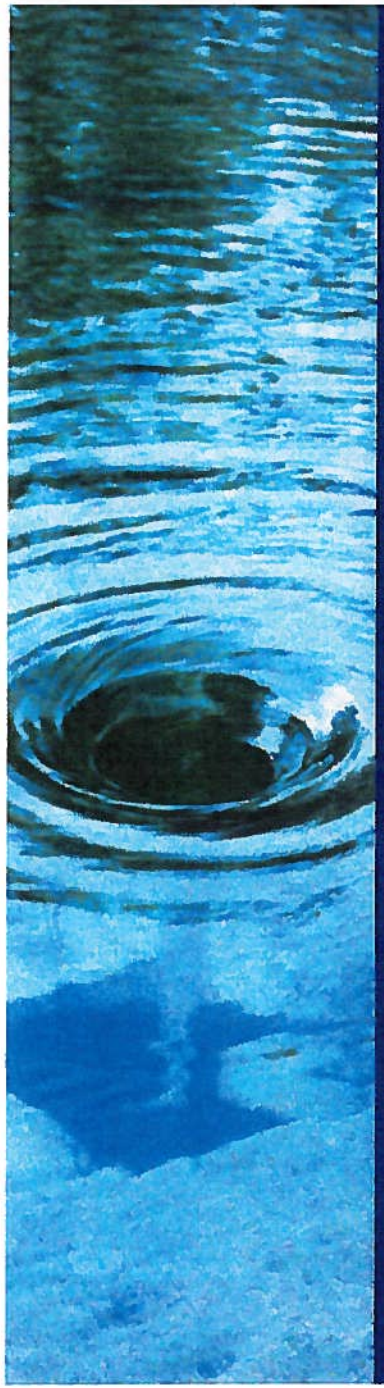
Council Adopts Master Plan in 2001

~ $248 Million Invested for Solutions 2001-2011

- **Increased flood protection for 625 structures and roadways.**
- **Bought out 350 homes in floodplains.**
- **Stabilized 24,300 linear feet of eroded stream channel.**
- **Completed 25 water quality projects, including wet and biofiltration ponds and rain gardens.**
- **Acquired 3,300 acres of land and rights to 8,340 acres for water quality protection.**

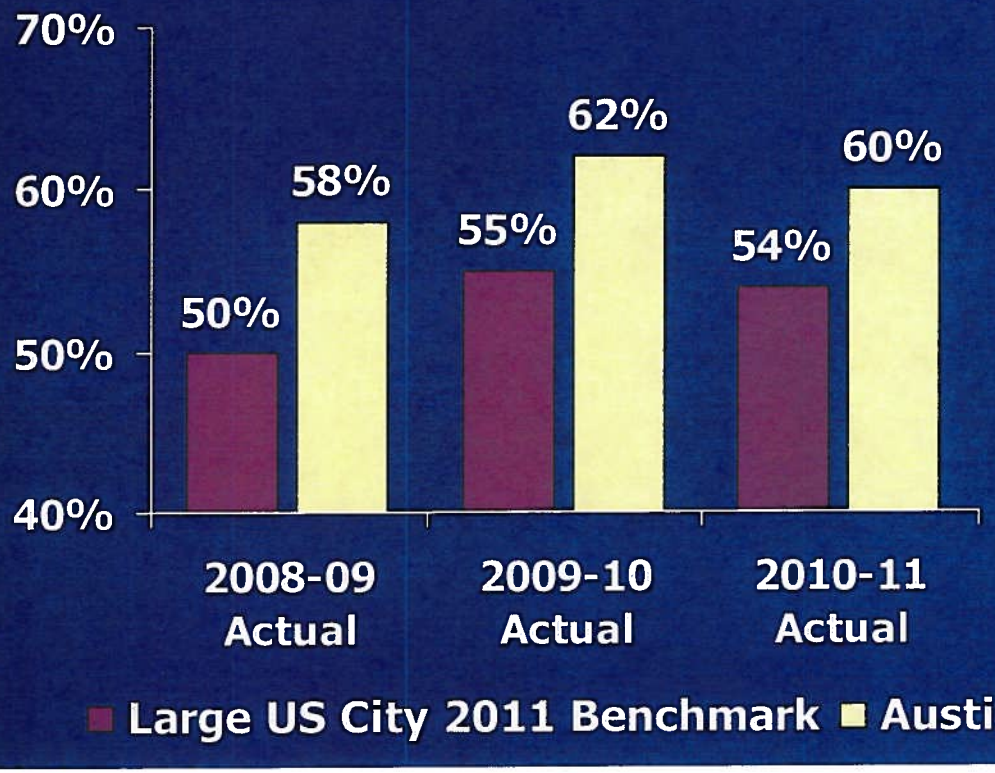
FY 2011 Achievements

- Installed or replaced over 21,000 feet of storm drain.
- Stabilized 1,751 linear feet of unstable stream channel.
- Removed over 200 tons of debris from Lady Bird Lake.
- Maintained vegetation and removed trash from over 87 miles of creeks.
- Inspected almost eight miles of pipeline.
- Identified over $1 million in potential CIP cost savings via Value Engineering Team.



Citizen Survey Results

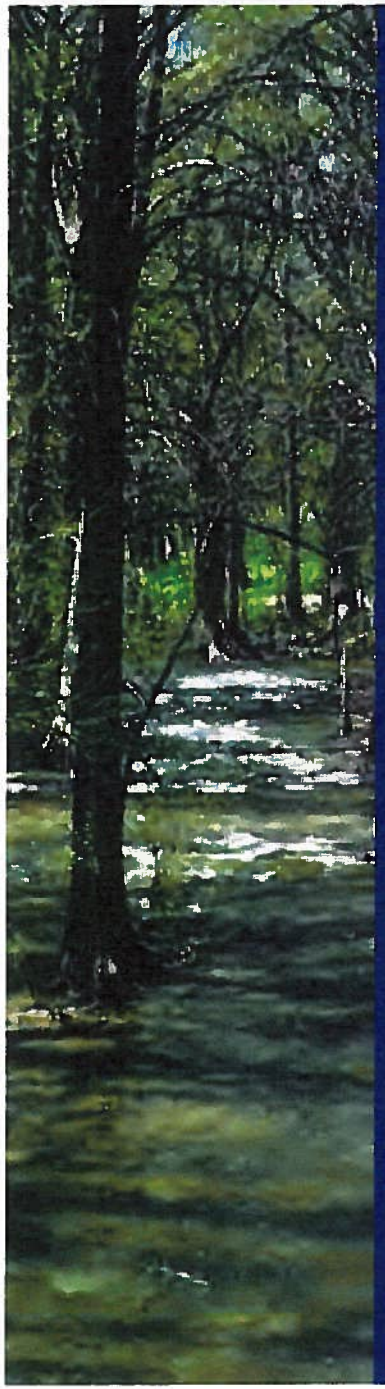
Citizen Satisfaction with Overall Management of Stormwater Runoff



Forecast Highlights

FY 2013 Cost Drivers

Category	Estimated Increases	Justification
Base Personnel Costs	$2.2M	*Health insurance *Civilian wage adjustments *Supplemental retirement
Other Departmental Costs	$0.5M	*Service agreement contract increases associated with construction materials *Fleet maintenance *Temporary staff
Transfers / Other Requirements	$3.5M	*Increase Drainage Utility transfer to CIP by $1.5 *Net increase in other transfer requirements
Totals	$5.2M	



Fund Summary

Drainage Utility Fund Five Year Forecast
(millions)

	Amended 2011-12	Estimated 2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
BEGINNING BALANCE	8.4	9.3	7.4	3.1	3.0	3.4	3.9
TOTAL AVAILABLE FUNDS	60.0	59.9	64.8	73.4	79.1	84.9	88.4
Transfer to CIP	19.1	19.1	20.6	22.1	24.1	27.6	28.0
TOTAL REQUIREMENTS	64.0	61.9	69.1	73.5	78.7	84.3	86.4
EXCESS (DEFICIENCY) OF TOTAL AVAILABLE FUNDS OVER TOTAL REQUIREMENTS	(4.0)	(2.0)	(4.3)	(0.1)	0.3	0.6	2.0
ENDING BALANCE	4.4	7.3	3.1	3.0	3.4	3.9	5.9
Reserve requirement	2.6	2.4	2.8	3.0	3.2	3.3	3.4
FTEs	259.25	259.25	259.25	263.25	266.75	270.75	271.50

Drainage Utility Fund Revenue

Customer growth projections:

- 1.75% growth estimated for residential customers is in keeping with population growth assumptions issued by City of Austin Demographer.
- Minimal non-residential customer growth projected for 2013-2017.

Rates

	Residential (per ERU)	Change	% increase		Non-residential (per impervious acre)	Change	% increase
Current	$7.75				$191.50		
FY 2013	$8.35	$ 0.60	8%		$206.33	$14.83	8%
FY 2014	$9.35	$ 1.00	12%		$231.04	$24.71	12%
FY 2015	$9.95	$ 0.60	6%		$245.86	$14.83	6%
FY 2016	$10.55	$ 0.60	6%		$260.69	$14.83	6%
FY 2017	$10.85	$ 0.30	3%		$268.10	$ 7.41	3%

Cost Saving Measures

- Expanded use of strategic partnerships with other city departments, governmental and private entities.
- Improved methodologies for project prioritization, phasing, cost estimating and post project performance reviews, along with continuation of the Value Engineering activity.
- Review and update of the Drainage Criteria Manual.

Horizon Issues

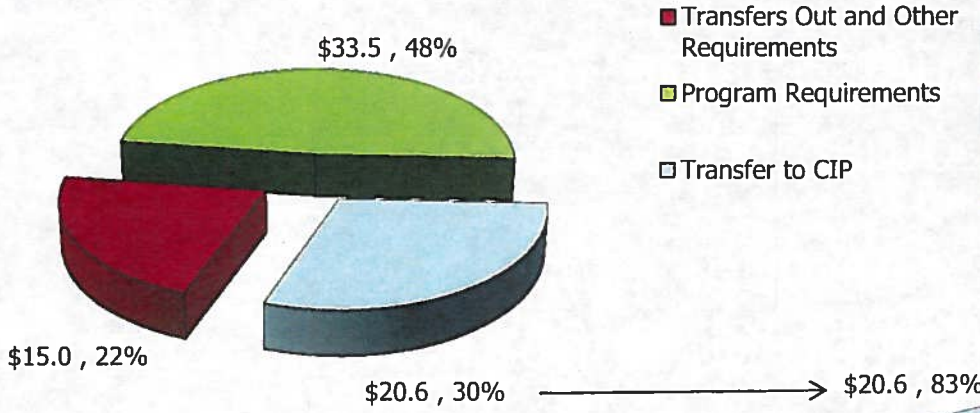
- Austin's aging and expanding stormwater infrastructure.
- Integrating department mission needs with Citywide priorities.
- Water quality impacts to Austin's creeks, lakes, aquifers and endangered species.
- Prevention of future watershed problems and associated public costs in a rapidly developing city.

Drainage Utility Transfer to CIP

FY13 Proposed

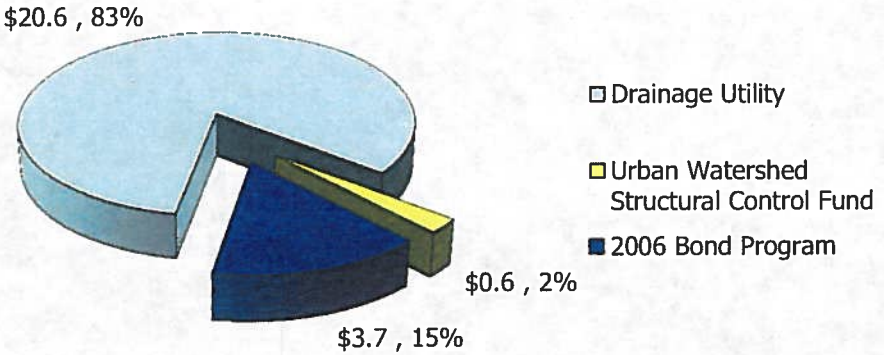
Drainage Utility Proposed Uses of Funds

in millions



CIP Funding Sources

in millions



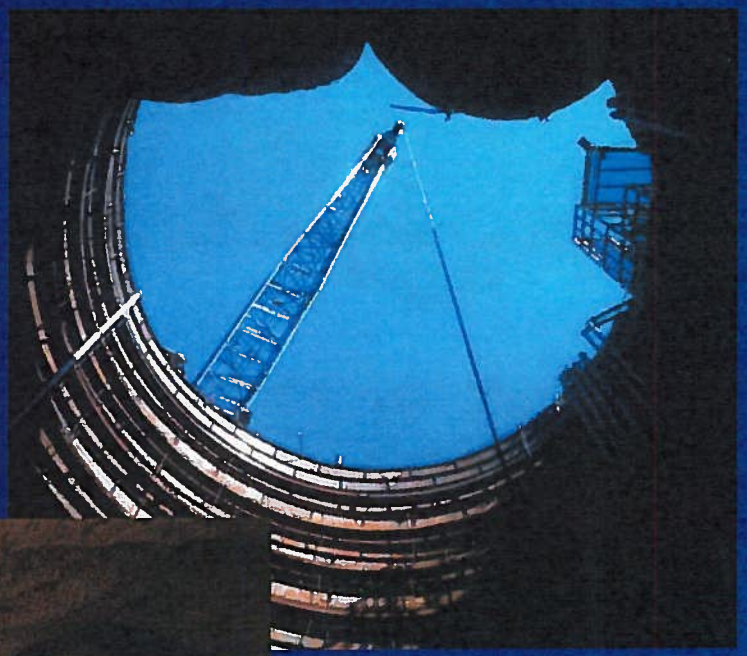
Capital Improvement Program

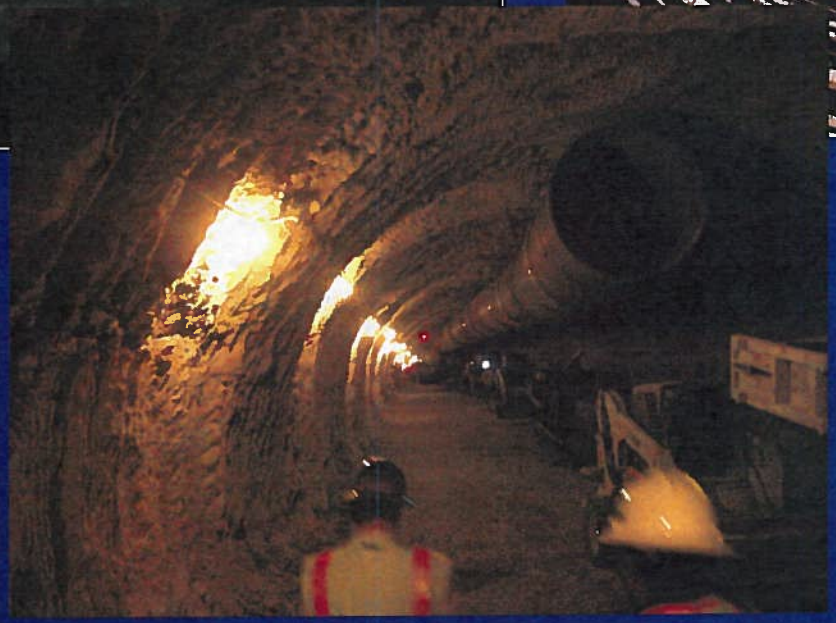
- Shoal Creek Peninsula Restoration
- Continued floodplain buyouts
- Old San Antonio low water crossing
- Old Lampasas Dam repair
- Waller Creek Tunnel Project

Shoal Creek Peninsula Erosion During Floods

Proposed Solution

Waller Creek Tunnel Project





Questions?

Photo: Jean-Michel Dufaux