

# LOWER SHOAL CREEK FLOOD HAZARD MITIGATION FEASIBILITY STUDY



PICA 29471, Austin History Center, Austin Public Library





Photo courtesy of Jonathan Berry

# Agenda

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- Feasibility Study Scope
- Feasibility Study Schedule
- Project Communication

# Feasibility Study Scope

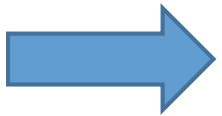
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- Mitigation goals & strategies
- Constraints & considerations
- Stakeholder involvement

# Mitigation Goals

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- Reduce/remove risk of structural flooding
- Reduce/remove risk of roadway flooding
- Reduce property damage
- Reduce floodplain footprint
- Reduce maintenance needs after storm events



What is the desired level of protection for this area?

# Mitigation Strategies

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- Detention ponds
- Channel modifications, bridge improvements
- Channel diversions
- Floodwalls
- Property buyouts

# Constraints & Considerations

- 100-year peak flow at 9<sup>th</sup> St: >17,000 cfs (more than double the flow in Waller Creek)
- Fully developed watershed:
  - Limited space for additional ponds
  - Highly urbanized, “flashy” watershed
- Recreational, historical, ecological and culturally significant aspects of watershed
- Planning & warning in tourist areas



# Stakeholders

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- Residents
- Businesses
- Neighborhood groups & interest groups
- Other City departments, including:
  - Parks and Recreation Department
  - Austin Transportation Department
  - Public Safety (APD, AFD, EMS)
  - Public Works Department

# Feasibility Study Schedule

## □ Phase 1

- Initial scoping with project team

 Late 2016 completion

- External kick-off meeting and final scoping

 Early 2017

## □ Phase 2

- Mitigation alternatives and recommendations

# Communication Plan

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- Project website:  
[www.austintexas.gov/shoalcreekfloods](http://www.austintexas.gov/shoalcreekfloods)
- Scoping kick-off meeting
- Stakeholder meetings during study



North Lamar

10th

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