FMP Batches 01 and 02 **25-May-22**

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Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: City of Boerne Backup Generators | ID#: 103000049

Sponsor (note if City or County): Boerne (Municipality) | Commitment: ☑ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☑ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Boerne | County: Kendall

Watershed name(s): Bear Creek - Pedernales River, South Grape (

Tributary(ies): Unnamed Tributary

HUC#(s): 12090206,12100201 | Stream miles (est.): TBD

Drainage area: square miles, est: 660.51 | or acreage, est:

Social Vulnerability Index (SVI): 0.04

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The city has identified the need to purchase and install backup generators for the courthouse and Fire Departments to extend operation during outages.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Yes

Project Description

Conduct study to determine/verify the size of generator required including all ancillary fittings/components to retrofit to the existing infrastructure.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Project Cost

Capital cost: TBD | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Various Streets - Flood Warning System | ID#: 103000051

Sponsor (note if City or County): Menard (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ✓ Flood warning system/gauges

Other:

Problem Area

City: Menard | County: Menard

Watershed name(s): Menard Irrigation Company Canal - San Saba Rivier

Tributary(ies): Menard Irrigation Company Canal, San Saba River

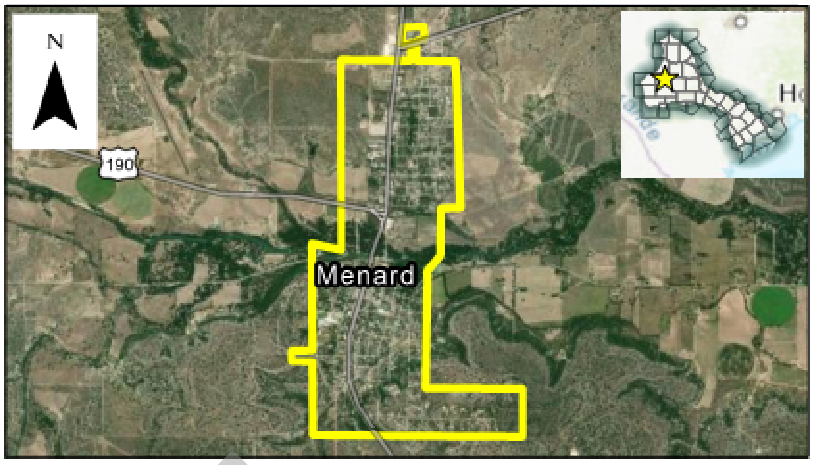
HUC#(s): 12090109 | Stream miles (est.): TBD

Drainage area: square miles, est: 2.19 | or acreage, est:

Social Vulnerability Index (SVI): 0.36

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The city has identified multiple (10) low water crossings that overtop and where roadway/crossing improvements are not feasible.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Yes

Project Description

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements, select and install the flood warnings system.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Project Cost

Capital cost: $250,000 | Ongoing O&M costs: $25,000 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: FM 685 Crossing Improvements | ID#: 103000006

Sponsor (note if City or County): Pflugerville (Municipality) | Commitment: ☑ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☑ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Pflugerville | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek

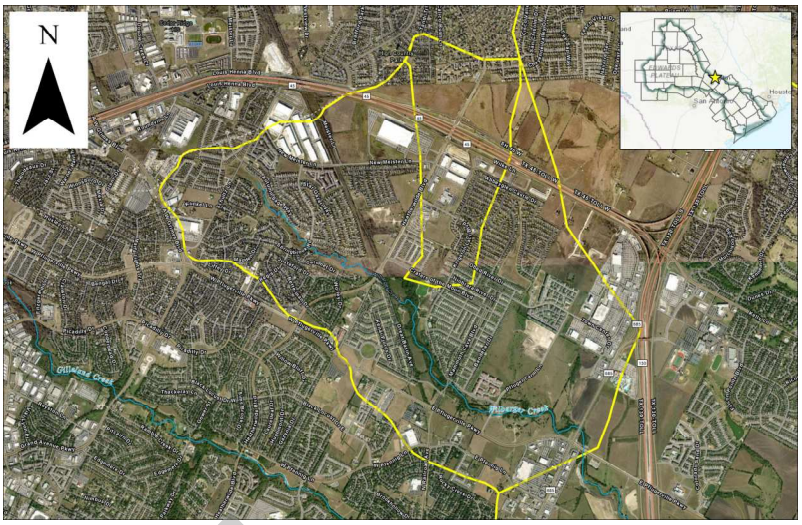
HUC#(s): 12090301 | Stream miles (est.): 0.5

Drainage area: square miles, est: 4.47 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The FM685 crossing is located on Wilbarger Creek near the intersection with E. Pflugerville Parkway. Hydraulic analysis show overtopping of the roadway to a depth of 1.6 feet during the 5-year event and 4.0 feet during the 100-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 200 foot long bridge and approximately 810 feet of roadway improvements.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $8,300,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: E. Pflugerville Parkway Crossing Improvements | ID#: 103000007

Sponsor (note if City or County): Pflugerville (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ✓ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Pflugerville | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek

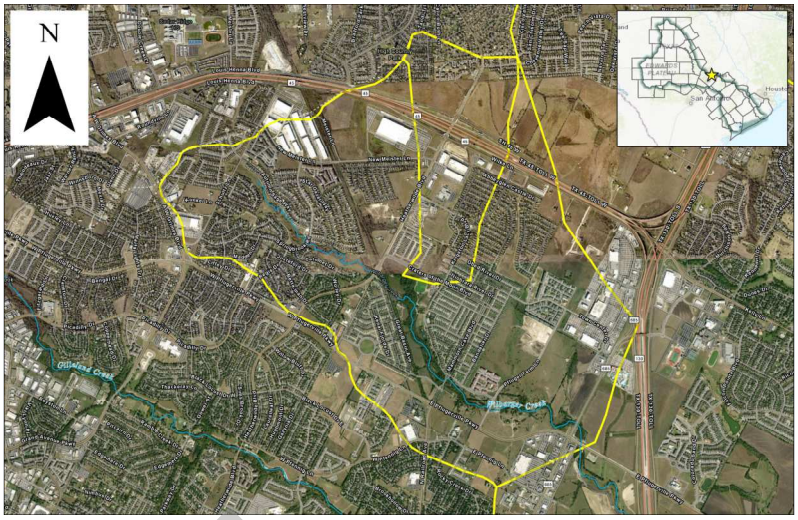
HUC#(s): 12090301 | Stream miles (est.): 0.5

Drainage area: square miles, est: 4.47 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The E. Pflugerville Parkway Crossing is located on Wilbarger Creek near the intersection with FM685. Hydraulic analysis show overtopping of the roadway to a depth of 0.9 feet during the 25-year event and 2.2 feet during the 100-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 200 foot long bridge and approximately 1,700 feet of channel benching.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $3,100,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Highland Park Subdivision Culvert Improvements | ID#: 103000008

Sponsor (note if City or County): Pflugerville (Municipality) | Commitment: ☑ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☑ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Pflugerville | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek Tributary 185

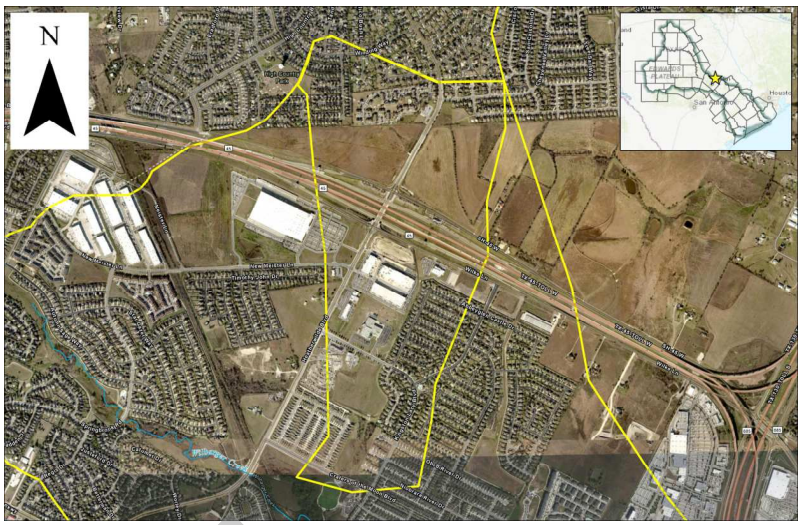
HUC#(s): 12090301 | Stream miles (est.): 0.25

Drainage area: square miles, est: 0.73 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

There are two houses located just upstream of the Craters of the Moon road crossing that are in the 100-year floodplain. The existing crossing consists of one 10'x4' box culvert and five 8'x4' box culverts at a secondary crossing. The roadway is currently overtopped to a depth of 1.7 feet during the 50-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of two additional 8'x4' box culverts and a 150 foot earthen berm.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $578,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Cele Road Crossing Improvements | ID#: 103000009

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek Tributary 210

HUC#(s): 12090301 | Stream miles (est.): 1.0

Drainage area: square miles, est: 4.32 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The crossing is located north of the Reserve at Westcreek Subdivision and is overtopped to a depth of almost 0.9 feet during the 2-year event and 3.1 feet during the 100-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 200 foot bridge and approximately 1,160 feet of roadway improvements.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $4,300,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Gregg Lane Crossing Improvements | ID#: 103000010

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek Tributary 220

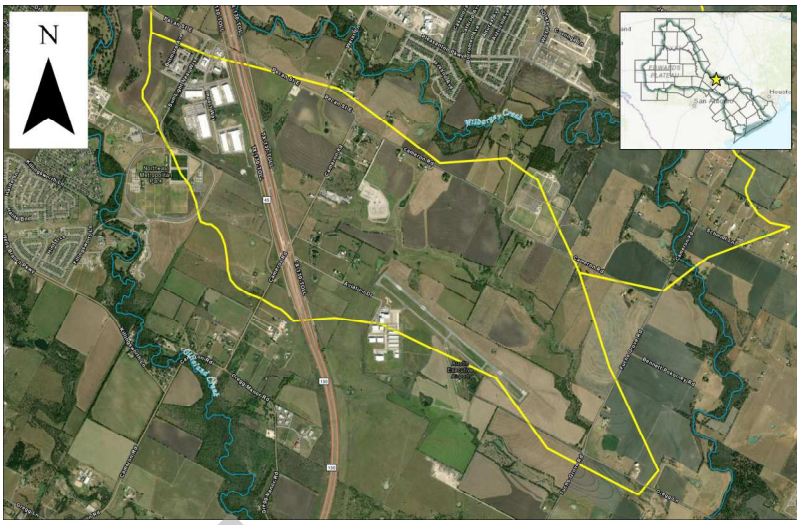
HUC#(s): 12090301 | Stream miles (est.): 0.5

Drainage area: square miles, est: 3.55 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The crossing is located about 2.2 miles easy of SH130 and 1.4 miles west of FM973. The road is overtopped to a depth of almost 1.5 feet during the 2-year event and 3.3 feet during the 100-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 200 foot bridge and approximately 870 feet of roadway improvements.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $5,500,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Cameron Road Crossing Improvements | ID#: 103000011

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ✓ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Upper Wilbarger Creek

Tributary(ies): Wilbarger Creek

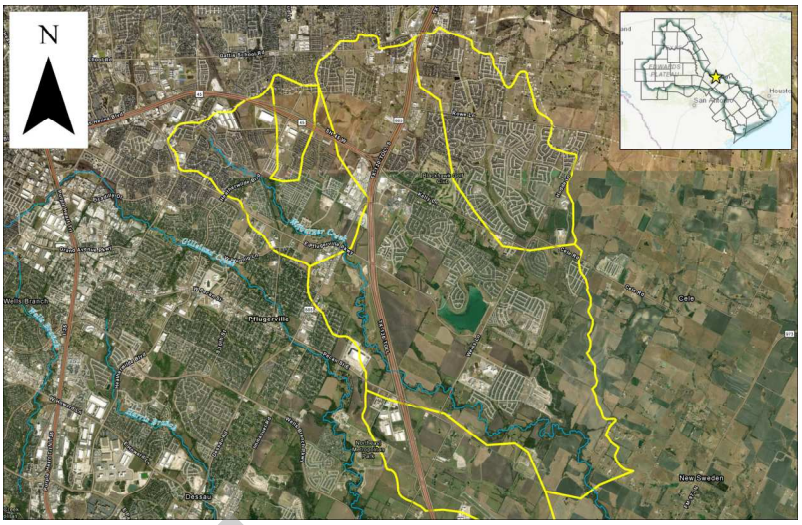
HUC#(s): 12090301 | Stream miles (est.): 0.5

Drainage area: square miles, est: 23.83 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The crossing is located about 2.5 miles easy of SH130. The road is overtopped to a depth of almost 2.8 feet during the 2-year event and 10.2 feet during the 100-year event.

Proposed level-of-service: 100-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 300 foot bridge, approximately 1,520 feet of roadway improvements, and approximately 280 feet of channel grading.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $3,100,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title McNeil Drainage Improvements ID# 103000012

Sponsor (note if City or County) Travis (County) Commitment ✓ Yes ☐ No

Technical committee recommend ☐ Yes ☐ No RFPG recommend ☐ Yes ☐ No

Project Type

STRUCTURAL

✓ Detention ✓ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other

Problem Area

City N/A County Travis

Watershed name(s) Walnut Creek

Tributary(ies) Walnut Creek

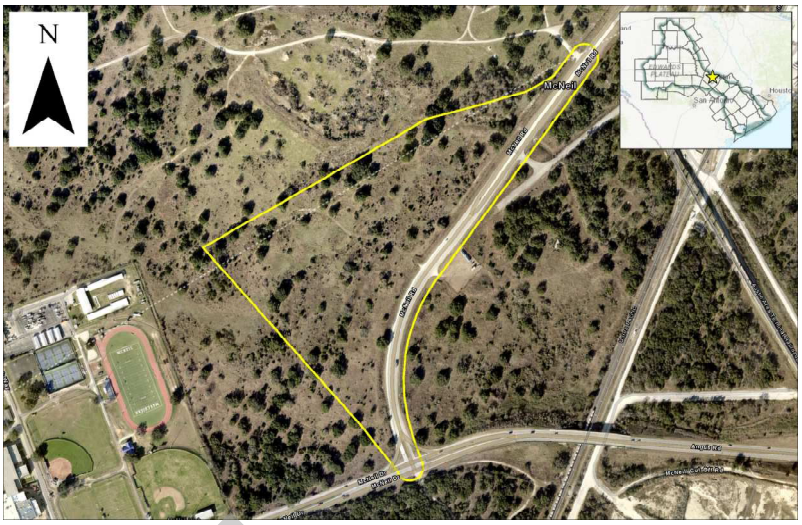
HUC#(s) 12090205 Stream miles (est.) 0.15

Drainage area: square miles, est 11.8 or acreage, est

Social Vulnerability Index (SVI) 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other McNeil Road from Howard Lane to Travis County limits



Flood Risk Description

Approximately 500 feet of McNeil Road, south of Howard Lane, is located within the 100-year floodplain. The surrounding areas is generally flat with limited drainage infrastructure. The roadway provides the only means of ingress/egress to the Ashton Woods Subdivision.

Proposed level-of-service 100-year Status Final design is ongoing Atlas 14 rainfall used Yes

Project Description

The improvements include drainage channels, detention, and culvert upgrades to remove this segment of the road from the 100-year floodplain.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost $13,300,000 Ongoing O&M costs TBD Cost/benefit analysis TBD

Potential funding source(s) Bonds

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Spicewood Springs Road Low Water Crossing #1 ID#: 103000013

Sponsor (note if City or County): Travis (County) Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A County: Travis

Watershed name(s): Bull Creek

Tributary(ies): Bull Creek

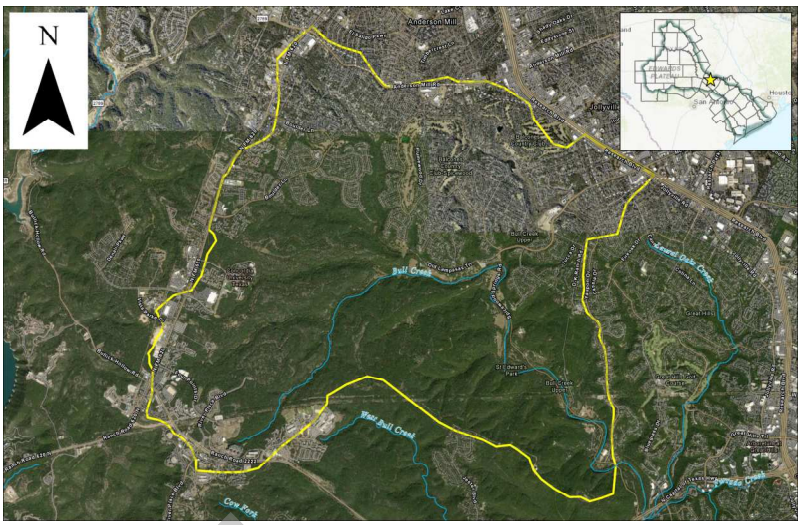
HUC#(s): 12090205 Stream miles (est.): 0.10

Drainage area: square miles, est: 14.86 or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The existing crossing consists of small pipe culverts is the roadway is overtopped in small, frequent, storm events (less than 5-yr). Road closures limit ingress/egress to several surrounding neighborhoods.

Proposed level-of-service: 100-year Status: Final design is complete Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include construction of a 200 foot bridge, approaches, and associated roadway improvements.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $4,550,000 Ongoing O&M costs: TBD Cost/benefit analysis: TBD

Potential funding source(s): Bonds

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Arroyo Doble/Twin Creeks Drainage Phase 3-7 Drainage System | ID#: 103000014

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ✓ Yes ☐ No | RFPG recommend: ✓ Yes ☐ No

Project Type

STRUCTURAL

✓ Detention ✓ Channel modification ✓ Bridge/culvert ✓ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Onion Creek

Tributary(ies): N/A

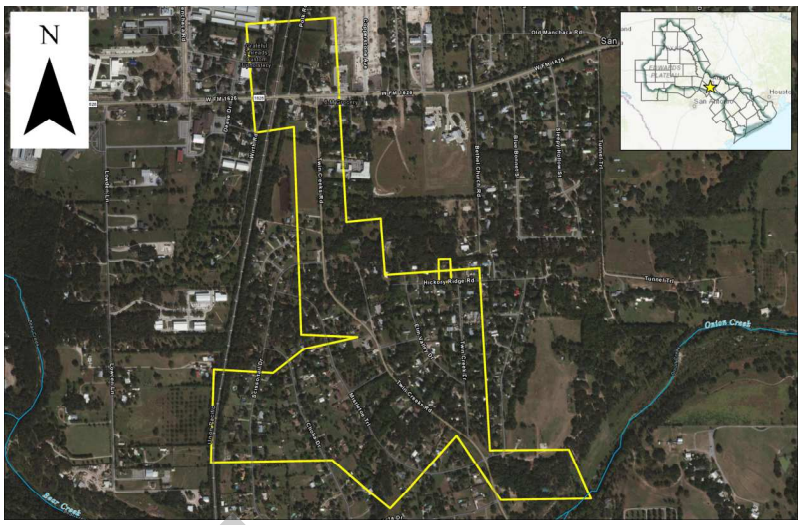
HUC#(s): 120902050407 | Stream miles (est.): N/A

Drainage area: square miles, est: 0.63 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: Arroyo Doble, Arroyo Doble Estates, Twin Creek Park Subdivisions, and the Wirth and Polk Road areas Adjacent to FM 1626.



Flood Risk Description

Subdivisions generally lack defined drainage systems. Roadside ditches and culvert crossings are systematically undersized or not provided. Lack of existing drainage infrastructure, extremely flat terrain, and a history of flooding in the area with widespread flood damage occurring as recently as the October 31, 2015 flood event in the area of concern where it was reported that 336 properties were impacted, with 161 structures experiencing significant flood damage.

Proposed level-of-service: 100-year | Status: Preliminary engineering has been completed | Atlas 14 rainfall used: Proxy (500-yr)

Project Description

Provide flood risk reduction in 100-yr storm events with storm drainage improvements, increased storm water storage, and channel modifications. Additional project activities may include, but not limited to easement acquisition, utility relocations, regrading existing ground surface conditions, and existing infrastructure repair.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Project Cost

Capital cost: $5,626,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Dalton Lane Crossing Improvements | ID#: 103000015

Sponsor (note if City or County): Austin (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: City | County: Travis

Watershed name(s): Carson Creek

Tributary(ies): Carson Creek

HUC#(s): 12090205 | Stream miles (est.): 0.5

Drainage area: square miles, est: 2.29 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The two creek crossings at Dalton Lane near Hawkins Lane and Sherman Road are inundated by small, frequent storm events (less than 2-year event) leading to unsafe conditions for motorists.

Proposed level-of-service: 25-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Yes

Project Description

The proposed improvements include upgrading the two low water crossings to improve public safety and reduce road closures during small, frequent storm events.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $13,000,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Highland Hills Crossing Improvements | ID#: 103000016

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ✓ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Austin | County: Travis

Watershed name(s): Lake Austin

Tributary(ies): Dry Creek

HUC#(s): 12090205 | Stream miles (est.): 0.25

Drainage area: square miles, est: 0.47 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The Highland Hills crossing is inundated by small, frequent, storm events (less than 2-year event) leading to unsafe conditions for motorists who need to use this roadway for neighborhood ingress/egress.

Proposed level-of-service: 10-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Proxy (500-year)

Project Description

The proposed improvements include upgrading the hydraulic capacity of the crossing to reduce the frequency and depth of inundation and improve public safety.

Related Goal(s)

6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways (e.g., low-water crossings, irrigation canals).

Estimated Project Cost

Capital cost: $1,000,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Shoal Creek - Nueces St Flood Risk Reduction Project | ID#: 103000017

Sponsor (note if City or County): Austin (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ✓ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Austin | County: Travis

Watershed name(s): Town Lake

Tributary(ies): Shoal Creek

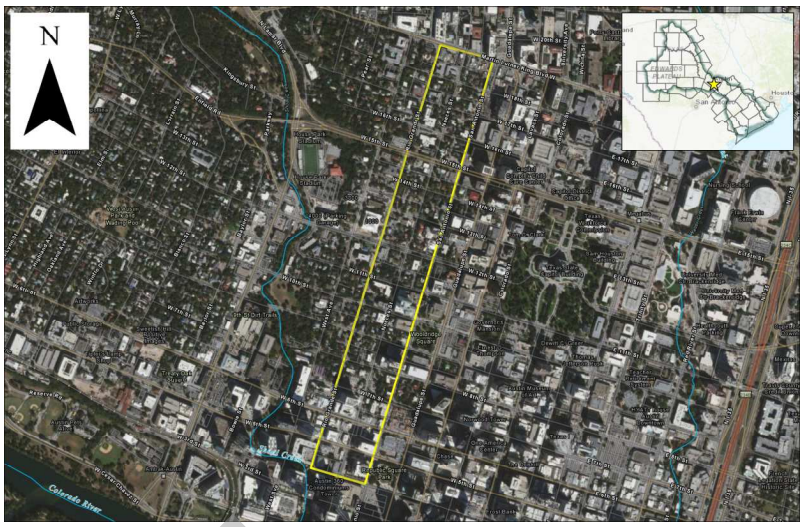
HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: 13.22 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

Shoal Creek has a history of flooding including the 1981 Memorial Day Flood that killed 13 people. More recently, the 2015 Memorial Day flood resulted in widespread flooding that impacted commercial and residential structures, and local street flooding. Residents have formally requested service from the City to address 25 locations of reported house flooding, 11 locations of reported yard flooding, and 11 locations of reported street flooding.

Proposed level-of-service: 10-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Proxy (500-year)

Project Description

The improvements include the construction of approximately 16,000 feet of upgraded storm drain pipe and numerous new storm drain inlets throughout the area, including a large tunnel which will extend along Nueces St from Martin Luther King Jr St to 4th St.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Project Cost

Capital cost: $43,000,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Waller Creek - Guadalupe Street Flood Risk Reduction | ID#: 103000018

Sponsor (note if City or County): Austin (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

✓ Detention ✓ Channel modification ☐ Bridge/culvert ✓ Storm drain ☐ Levee/floodwall

Other: Waller Creek - Guadalupe Street Flood Risk Reduction

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Austin | County: Travis

Watershed name(s): Town Lake

Tributary(ies): Waller Creek

HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: 12.71 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

When the area of interest was developed, it appears an existing creek was covered/diverted to a small storm drain. The area has been identified as high priority due to street, yard, and structural flooding including the 2015 Memorial Day and 2015 Halloween floods.The City has logged flooding complaints for 30 residences and 14 streets in the Hyde Park neighborhood. Analysis of the project drainage area indicates there are a significant number of structures that experience flooding that have not reported flood complaints.

Proposed level-of-service: 10-year | Status: Preliminary engineering report complete | Atlas 14 rainfall used: Proxy (500-year)

Project Description

The improvements include the construction of approximately 28,000 linear feet of subsurface stormwater drains east of Guadalupe Street and west of Avenue G, between 33rd and 46th streets. The project also include three new surface-level detention ponds near the Baker Center and in Adams-Hemphill Park with green stormwater infrastructure for water quality treatment; stream restoration using natural channel design for Waller Creek downstream of detention pond; underground stormwater detention structures around the former Baker Center; improvements to the outfall structures at Central Park Pond and Triangle Pond just west of Guadalupe Street; and related utility relocations throughout.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects. 6.2 Increase the number of entities that mitigate flood risk at vulnerable roadways or waterways.

Estimated Project Cost

Capital cost: $85,000,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Sandy Creek/Pecan Park Areas Buyout ID#: 103000023

Sponsor (note if City or County): Jonestown (Municipality) Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other

NON-STRUCTURAL

✓ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other

Problem Area

City: Jonestown County: Travis

Watershed name(s): Hurst Creek

Tributary(ies): Big Sandy Creek

HUC#(s): 12090205 Stream miles (est.): N/A

Drainage area: square miles, est: N/A or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other

Flood Risk Description

There is at least one flood prone property located within the floodway on Big Sandy Creek near the Pecan Park area.

Proposed level-of-service: N/A Status: N/A Atlas 14 rainfall used: Proxy (500-year)

Project Description

Buyout the repetitive loss residential structure.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Project Cost

Capital cost: $200,000 Ongoing O&M costs: $1,000 Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Lake Travis/Cross Street Area Buyout | ID#: 103000024

Sponsor (note if City or County): Jonestown (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

✓ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Jonestown | County: Travis

Watershed name(s): Hurst Creek

Tributary(ies): Big Sandy Creek

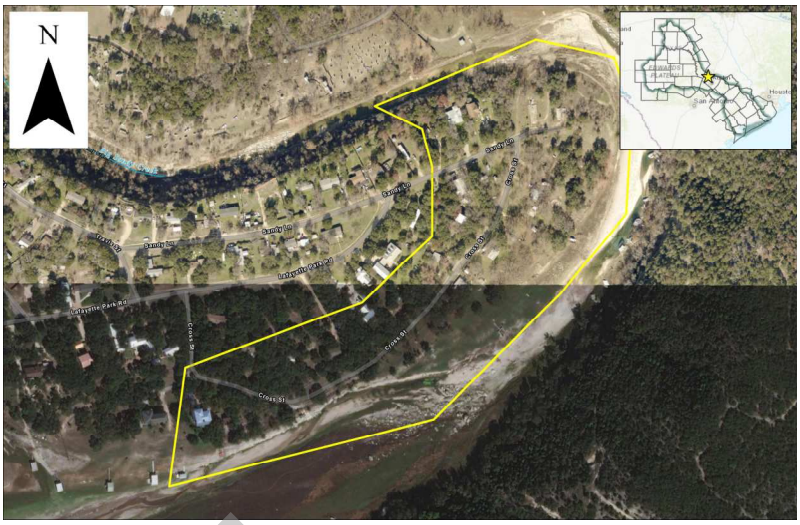
HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

There is at least one flood prone property located within the 100-year floodplain of Lake Travis in the Cross Street Area that is subject to repetitive loss.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Buyout the repetitive loss residential structure.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Project Cost

Capital cost: $200,000 | Ongoing O&M costs: $1,000 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Onion Creek Structure Elevation | ID#: 103000025

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other: Structure elevtation

Problem Area

City: N/A | County: Travis

Watershed name(s): Mustang Branch

Tributary(ies): Onion Creek

HUC#(s): 1209020504 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

There are 15 houses located within the 100-year floodplain at Arroyo Doble and Onion Creek Meadows at risk for repetitive loss.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Elevate the repetitive loss residential structures.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Project Cost

Capital cost: $2,650,000 | Ongoing O&M costs: $0 | Cost/benefit analysis: 1.00

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Bluff Springs Elevation | ID#: 103000026

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other: Structure elevtation

Problem Area

City: N/A | County: Travis

Watershed name(s): Williamson Creek

Tributary(ies): Onion Creek

HUC#(s): 1209020504 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

There are 39 houses located within the 100-year floodplain of Onion Creek and at risk for repetitive loss.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Elevating the repetitive loss residential structures was the recommended solution.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Project Cost

Capital cost: $6,600,00 | Ongoing O&M costs: $0 | Cost/benefit analysis: 1.03

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Onion Creek Meadows Elevation | ID#: 103000027

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other: Structure elevtation

Problem Area

City: N/A | County: Travis

Watershed name(s): Mustang Branch

Tributary(ies): Onion Creek

HUC#(s): 1209020504 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

There are 6 houses at risk for repetitive losses during the 100-year event due to lack of local storm drain capacity.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Elevating the repetitive loss residential structures was the recommended solution.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation.

Estimated Project Cost

Capital cost: $845,000 | Ongoing O&M costs: $0 | Cost/benefit analysis: 1.51

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Thoroughbred Farm Buyout | ID#: 103000028

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

✓ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Red Gully Creek

Tributary(ies): Dry Creek

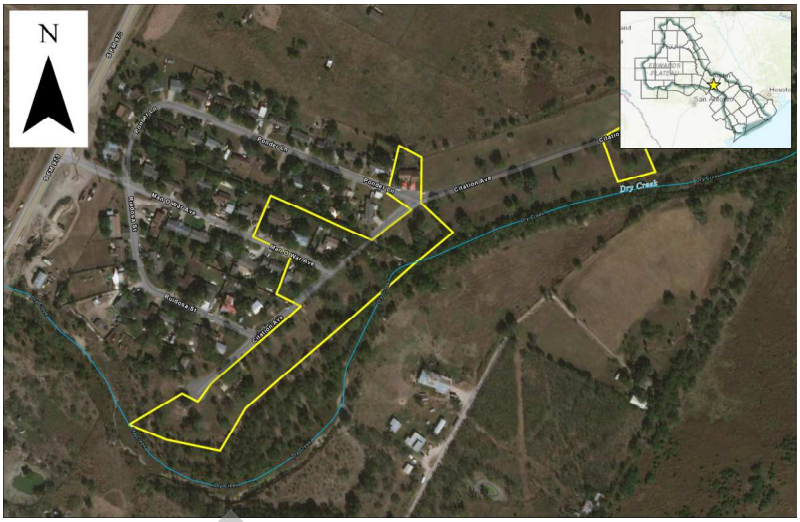
HUC#(s): 12090301 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

There are 20 houses located within the 100-year floodplain and at risk for repetitive loss.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Buyout the repetitive loss residential structures.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Project Cost

Capital cost: $3,800,000 | Ongoing O&M costs: $20,000 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Twin Creeks Buyout | ID#: 103000029

Sponsor (note if City or County): Travis (County) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

✓ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: N/A | County: Travis

Watershed name(s): Slaughter Creek

Tributary(ies): N/A

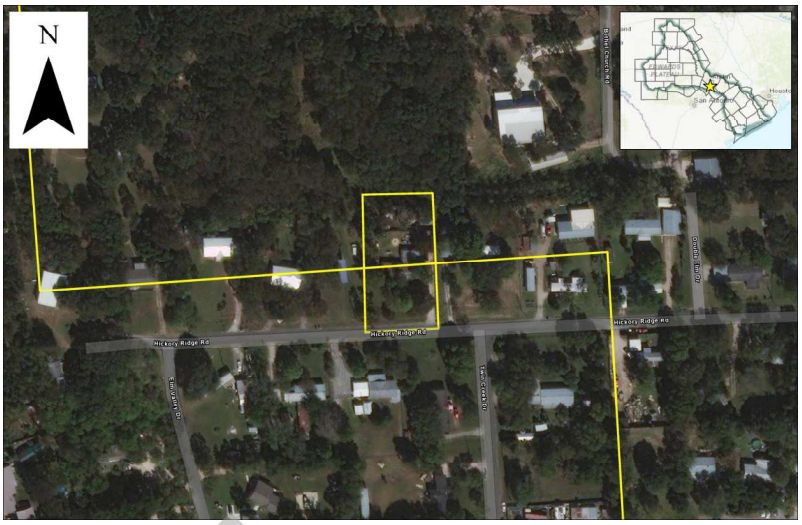
HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: N/A | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

There is 1 house located on Hickory Ridge Road at risk for repetitive loss due to inadequate local drainage infrastructure..

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Proxy (500-year)

Project Description

Buyout or elevate the repetitive loss residential structure.

Related Goal(s)

5.1 Reduce the number of structures and critical infrastructure that are at high risk of repetitive loss through property/easement acquisitions, relocations, floodproofing and/or elevation. 5.2 Increase the acreage of publicly protected open space to reduce future impacts of flooding.

Estimated Project Cost

Capital cost: $200,000 | Ongoing O&M costs: $1,000 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: South Austin Regional WWTP / Sand Hill Energy Center Flood Reduction | ID#: 103000031

Sponsor (note if City or County): Austin (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ✓ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Austin | County: Travis

Watershed name(s): Onion Creek

Tributary(ies): Onion Creek Overflow

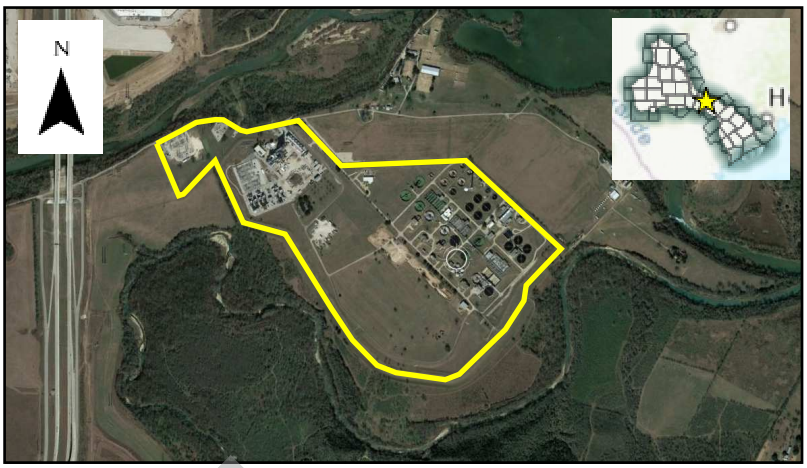
HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: 0.54 | or acreage, est: 346

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other: The City's critical infrastructure at risk of flooding from over topping existing levees and damage from massive overflows traveling from Onion Creek to the Colorado River.



Flood Risk Description

The South Austin Regional Wastewater Treatment Plant (SAR WWTP) and the Sand Hill Energy Center (SHEC) electric generating and distributing facilities are at risk of 1% ACE (100-year) flooding with the incorporation of Atlas 14 rainfall. Based on staff experience in previous flood events, the facilities are at risk of losing access and receiving flood damage that could cause catastrophic service interruptions. These interruptions, including power loss, would likely result in uncontrolled raw sewage discharge from the WWTP, sewer collection system backups, loss of power in residents' homes and under a worst-case scenario, sewage backups flooding into residents' homes. Since the WWTP facility serves approximately half of Austin (557,807 residents), the project benefits single-family and multi-family residences and businesses.

Proposed level-of-service: 100-year | Status: 30% design is ongoing | Atlas 14 rainfall used: Yes

Project Description

This project includes the addition of a levee system to protect the City's infrastructure from overland flows. The levee system will be comprised of a new levee from the SH 130 right-of-way to a floodwall that increases the elevation of the existing SAR WWTP berm. This project also consists of benching to create an overflow swale to improve the hydraulics and increase the overflow storage of Onion Creek. Due to downstream hydraulic effects, it is proposed to further extend the existing levee around the northeast

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Project Cost

Capital cost: $110,500,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: TBD

Potential funding source(s): HMGP, BRIC, FIF, GLO CDBG

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Walnut Creek Wastewater Treatment Plant Flood Wall | ID#: 103000032

Sponsor (note if City or County): Austin (Municipality) | Commitment: ☑ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☑ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Austin | County: Travis

Watershed name(s): Walnut Creek

Tributary(ies): Walnut Creek

HUC#(s): 12090205 | Stream miles (est.): N/A

Drainage area: square miles, est: 0.19 | or acreage, est: 122

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The Walnut Creek Wastewater Plant has been constructed in various stages dating back to 1977. The preliminary engineering study for the current expansion reevaluated potential impacts from Walnut Creek and Little Walnut Creek Drainage Basins. The study indicates the plant is at risk of flooding with depths ranging from one to nine feet. Potential damages include electrical equipment and control panels, structural flooding, and mechanical facilities such as filters, clarifiers, and pump stations/equipment.

Proposed level-of-service: 200-year | Status: Preliminary engineering is complete | Atlas 14 rainfall used: Yes

Project Description

The preliminary engineering determined a flood protection wall around the perimeter of the plant is the most viable and cost-effective method to protect the plant. The preliminary design includes a combination of cast-in-place concrete walls (supported by drilled piers), sheet pile walls, and access gates.

Related Goal(s)

6.1 Reduce the number of structures and critical facilities that are at high risk of repetitive loss through the implementation of structural flood mitigation projects.

Estimated Project Cost

Capital cost: $35,000,000 | Ongoing O&M costs: TBD | Cost/benefit analysis: 8.0

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Red Bud Trail - Flood Warning System | ID#: 103000040

Sponsor (note if City or County): West Lake Hills (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ✓ Flood warning system/gauges

Other:

Problem Area

City: West Lake Hills | County: Travis

Watershed name(s): Lake Austin - Town Lake

Tributary(ies): Little Bee Creek

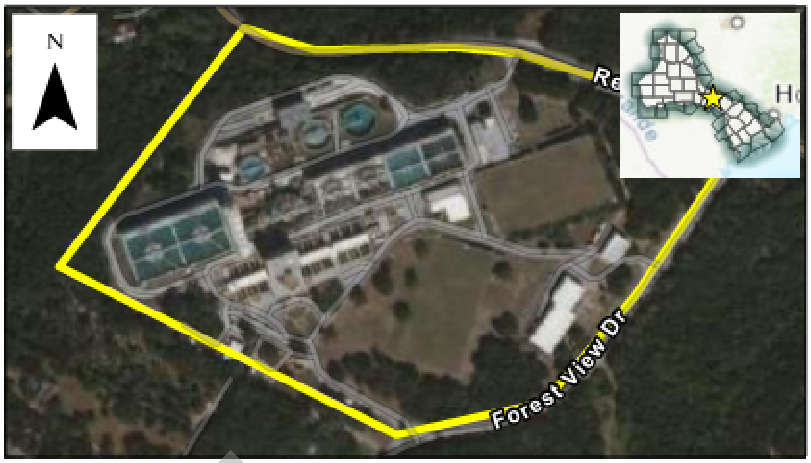
HUC#(s): 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.06 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The city has identified the need to install a warning system on Red Bud Trail near the Ulrich Water Treatment Plant.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Yes

Project Description

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements, select and install the flood warnings system.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Project Cost

Capital cost: $25,000 | Ongoing O&M costs: $2,500 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: Jonestown Flood Warning System | ID#: 103000052

Sponsor (note if City or County): Jonestown (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ☐ Flood readiness/resilience ✓ Flood warning system/gauges

Other:

Problem Area

City: Jonestown | County: Travis

Watershed name(s): Big Sandy Creek, Hurst Creek - Lake Travis

Tributary(ies): Big Sandy Creek

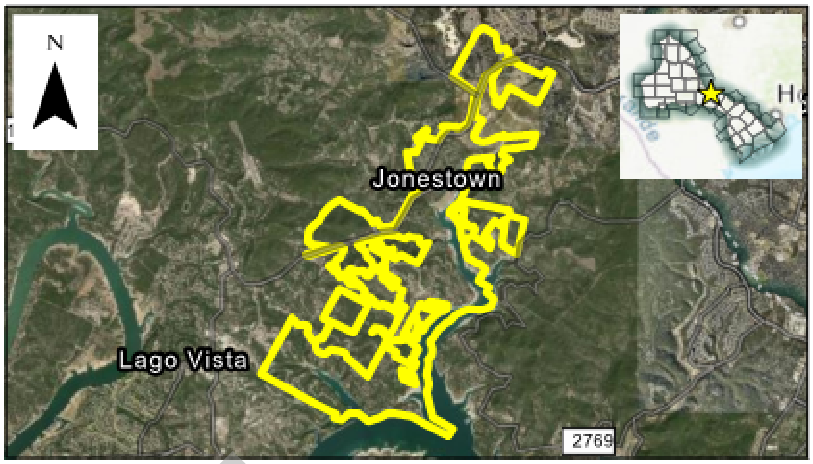
HUC#(s): 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 7.55 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:



Flood Risk Description

The city has identified multiple (up to two) low water crossings that overtop and where roadway/crossing improvements are not feasible.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Yes

Project Description

Evaluate the type of flood early warnings system (flashers, barricades, signage) and communication systems requirements, select and install the flood warnings system.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Project Cost

Capital cost: $50,000 | Ongoing O&M costs: $5,000 | Cost/benefit analysis: TBD

Potential funding source(s): TBD

Flood Mitigation Project (FMP)

Lower Colorado-Lavaca
REGIONAL FLOOD PLANNING GROUP
REGION 10

Title: City of Briarcliff WWTP Backup Generator | ID#: 103000053

Sponsor (note if City or County): Briarcliff (Municipality) | Commitment: ✓ Yes ☐ No

Technical committee recommend: ☐ Yes ☐ No | RFPG recommend: ☐ Yes ☐ No

Project Type

STRUCTURAL

☐ Detention ☐ Channel modification ☐ Bridge/culvert ☐ Storm drain ☐ Levee/floodwall

Other:

NON-STRUCTURAL

☐ Property buyouts ☐ Floodproofing ✓ Flood readiness/resilience ☐ Flood warning system/gauges

Other:

Problem Area

City: Briarcliff | County: Travis

Watershed name(s): Headwaters Lake Austin

Tributary(ies): Unnamed Tributary

HUC#(s): 12090205 | Stream miles (est.): TBD

Drainage area: square miles, est: 0.00 | or acreage, est:

Social Vulnerability Index (SVI): 0.15

(SVI score 0.0 indicates least vulnerable; 1.0 indicates most vulnerable.)

Other:

Flood Risk Description

The city has identified the need to purchase and install a backup generator for the Steiner Ranch Wastewater Treatment Plant to extend operation during outages.

Proposed level-of-service: N/A | Status: N/A | Atlas 14 rainfall used: Yes

Project Description

Conduct study to determine/verify the size of generator required including all ancillary fittings/components to retrofit to the existing infrastructure.

Related Goal(s)

2.1 Increase the number of communities with warning and emergency response capabilities, or which participate in regional flood warning systems (e.g., City of Austin Flood Early Warning System) that can detect flood threats in real time and provide timely warning of impending flood danger.

Estimated Project Cost

Capital cost: $750,000 | Ongoing O&M costs: $7,500 | Cost/benefit analysis: TBD

Potential funding source(s): TBD