

NOTICE OF OPEN MEETING OF THE SAN ANTONIO REGIONAL FLOOD PLANNING GROUP
TECHNICAL SUBCOMMITTEE

Region 12 San Antonio RFPG

09/20/2022

10:00 AM

TAKE NOTICE that a meeting of the Technical Subcommittee of the San Antonio Regional Flood Planning Group as established by the Texas Water Development Board will be held on Tuesday, September 20, 2022, at 10:00 AM, in-person at the San Antonio River Authority, located at 201 W. Sheridan St and virtually at <https://meet.goto.com/437775749>.

Agenda:

1. (10:00 AM) Roll-Call
2. Public comments – limit 3 minutes per person
3. Preview Tasks 11-13
4. Public comments – limit 3 minutes per person
5. Date and Potential Agenda Items for Next Meeting
6. Adjourn

If you wish to provide written comments prior to or after the meeting, please email your comments to khayes@sariverauthority.org or physically mail them to the attention of Kendall Hayes at San Antonio River Authority, 201 W. Sheridan, San Antonio, TX, 78204 and include “Region 12 San Antonio Flood Planning Group Meeting” in the subject line of the email.

Additional information may be obtained from: Kendall Hayes, (210) 302-3641, khayes@sariverauthority.org, San Antonio River Authority, 201 W. Sheridan, San Antonio, TX 78204.

SARFP: Amendment Projects - Level of Effort

| LOE | FME ID | Community /Sponsor | County | Source Name | Source Date | Project Title | Project Type | Project Description | Notes |
|-----------|---------------------|---------------------|-------------------------------------|---|---|--|---|--|---|
| LOW | 121000156 | City of La Vernia | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Repetitive loss properties | Regulatory and Guidance | Study: Offer relocation/mitigation incentives to current flood hazard area property owners; initiate a community program to acquire repetitive loss structures identified by FEMA. | Detailed Study? Repedative losses total = 3 in 2020, detailed cost estimate |
| | 121000155 | City of Floresville | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 1: Project 1A, 1B, 1C | Engineering Project Planning | PER: Detention upstream of Lost Springs Hollow along with some channel work. Upgrade Hwy 181 crossing at Lodi Branch and channelization (contingent of Project 1A). | Yes, model. Need to No Impact Analysis and Benefit cost ratio? |
| | 121000123 | City of La Vernia | Wilson | Overall Preliminary Drainage Report | 2022 | Issue #2 and #3 (City Park/La Vernia ISD) | Engineering Project Planning | Study to assess 6'-wide concrete-bottom channel/sidewalk with earthen sides (graded 5:1) be constructed through this area to better define the flow path. Gauge boards on San Antonio Road. Acquire 25'-wide drainage easements. | waiting on Model, will need BCA |
| | 121000122 | City of La Vernia | Wilson | Overall Preliminary Drainage Report | 2022 | Issue #5 (HWY 87 Crossing & CR 342 Crossing) | Engineering Project Planning | Study to assess city acquire drainage easements in the area upstream of the Highway 87 crossings, as well as the area between the crossings at Highway 87 and the crossing at CR 342. Easement acquisition would allow for the construction of a defined channel through these sections. | waiting on Model, will need BCA |
| | 121000151 | Bexar County | Bexar | Bexar County Sponsor Outreach | 2022 | Bexar County Line LWC Engineering Study | Engineering Project Planning | Engineering Study to evaluate twelve LWC upgrades at county line | Easy Engineering study to do in the amendment |
| | 121000164 | Bexar County | Bexar | Bexar Sponsor Outreach | 2022 | Bexar County LWC Engineering Study | Engineering Project Planning | Engineering Study to evaluate seven LWC upgrades. | Easy Engineering study to do in the amendment |
| | 123000029 | City of San Antonio | Bexar | Sponsor Outreach | 2022 | Concepcion Creek Improvements Project | Comprehensive Regional Project | Ph1. 54-ac detention, property acquisition and 10,000ft of storm drain systems and road reconstruction. Ph2. 1.36mi of Concepcion Creek channel improvements. Ph3. 2,300ft of (3)10x8 MBC systems | Model yes, need BCA |
| | 121000089 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2021 | Damage Center 14- Airport Trib | Loop 410 on the north side and US 281 on the east and south side | There are four bridges within this Damage Center, of which all overtop during the 1% AC storm event. Voluntary Acquisition of 79 residential properties that are compromised | Property Acquisition |
| | 121000052 | City of Poth | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 2- Project 1 Culvert Improvements at Manchaca | Menchaca (CR220) crossing at Poth Creek | Significant overtopping at one 3' x 5' box culvert. Improving this culvert would provide emergency access to the areas of Poth west of Poth Creek | |
| | 121000084 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 38- Olmos Creek Lower Reach Near Montview | Jackson Keller Road and West Avenue just downstream of the confluence of Rock Creek and Olmos Creek | Flooding occurs on the left overbank and begins just upstream of Montview. A total of 10 lots are impacted by the 100-year storm event and the depth of flooding ranges between 0.10 and 0.15 feet. Flood depths are less than 0.5 feet; therefore | |
| | 121000083 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 39- Olmos Creek and Olmos Creek East Channel | Jackson Keller Road and West Avenue between Damage Center 38 and NW Loop 410 | Antonian High School is just downstream of this damage center. There are a total of eight parcels that are flooded by the 100-year storm event. Flood-proofing appears to be a practical approach for these properties. Flood-proofing/Elev | |
| | 121000082 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 40-San Antonio River DS Reach near Roosevelt | Bound on the east side by S. Presa St and downstream of Mission Road. | Three lots have 100-year flood depths greater than 2 feet and were therefore not considered for flood-proofing. Due to its location between parks, it appears reasonable to be buyout the flooded properties and continue the park area along th | Property Acquisition |
| 121000081 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 44-San Antonio River Near Center Road | S. Blue Wing Road on the south and Southton Road on the north east | This area consists of large agricultural lots. Buyouts appear to be the best option since the entire damage center is in the floodplain. The area can be converted to a recreational water park area or pavilions to encourage biking and w | Property Acquisition | |

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| LOW | 0 | City of Shavano Park | Bexar | Preliminary Engineering Report | 2020 | De Zavala/ Ripple Creek | Bikeway Ln and Da Zavala | Currently a ridge transverses through the munitract with a northwest portion of the munitract property sheet flowing onto existing lots along Bikeway Ln and the southwest portion of the munitract sheet flows towards an existing low and culvert crossing located at De Zavala. The proposed option to mitigate the drainage concerns within this area include capturing on the southern side of Da Zavala with a storm drain and conveying the runoff along De Zavala and discharging into Olmos Creek at De Zavala | |
| | 0 | City of Shavano Park | Bexar | Preliminary Engineering Report | 2020 | Elm Spring | Bikeway Lane and Elm Spring Ln intersection | This flooding creates dangerous driving conditions and flood multiple homes, At the Bikeway Lane and Elm Spring Ln intersection, the proposed underground drain will be constructed between the existing homes past their rear property lines. At this point, an earthen channel will be constructed on private property to convey the runoff across the property and discharge into Olmos Creek. HIGH LOE | |
| MEDIUM | 121000048 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 7840 Silver Spur Trail | 7840 Silver Spur Trail | Runoff collects from the northside of the city and passes this point before passing under Keeneland then to the Cibolo Creek Post Oak Creek low water crossing. MEDIUM LOE - EVALUATE AGAIN IN NOV | PER under development by FOR |
| | 121000006 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 8402 Battle Intense Low Water Crossing | 8402 Battle Intense | Battle intense is often shut down in large rain events. Debris collects and damages this low water crossing MEDIUM LOE | Regional but not high emergency needf |
| | 121000053 | City of Poth | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 2- Project 2 Road connection from Mosspoint to Sunshine | Mosspoint Street to FM 541 at Sunshine Drive | During a large storm event, access to and from residences adjacent to Mosspoint Street is compromised. MEDIUM LOE | Regional |
| | 121000098 | City of Bulverde | Comal | Cibolo Creek Watershed Holistic Master Plan | 2018 | FM 1863 at Cibolo Creek LWC | FM 1863 Bulverde | Replace low water crossings at two locations where FM1863 crossing Cibolo Creek with bridges MEDIUM LOE. | Regional |
| | 121000096 | Kendall County | Kendall | Kendal County | 2022 | LWC at Old Fredericksburg Rd and Balcones Creek | Old Fredericksburg Rd and Balcones Creek | Improve low water crossing at Old Fredericksburg Rd and Balcones Creek MEDIUM LOE - EMERGENCY NEED | Regional |
| | 121000003 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 7900 Fair Oaks Parkway | 7900 Fair Oaks Parkway | Analysis needed to confirm no adverse impacts on the solution that was implemented. | Small watershed - more of a local drainage issue |
| | 121000049 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 8410 Noble Lark Dr | 8410 Noble Lark Dr | Regrade channel and install erosion control measures, repair the eroded foundation of the culvert headwall | Repair and maintenance project |
| | 121000044 | City of Poth | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Build Detention Pond | City of Poth | Phase I: Perform a study to evaluate Poth Branch Watershed - Phase II: Purchase land and construct a drainage infrastructure facility in accordance with the engineering recommendations of the study. | Additional study needed. Note: Watershed master plan summarizes hydrologic and hydraulic results and recommendations model set up might be possible |
| 121000011 | City of San Antonio | Bexar | Medina River Holistic Watershed Master Plan | 2015 | D/O Center M(HWY 1604 East of Somerset Community) | HWY 1604 East of Somerset Community | Oak Island Drainage Improvements. Culvert upgrades at two locations on Oak Island Dr and 1604 with channel work. | No Model provided for this project. Unnamed Tributary 10 in Medina Creek existing conditoions are still undergoing modelling. Possibility of creating a Proposed model condtion for BCA calculations. | |

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| MEDIUM | 121000010 | City of Poth | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 1 Project1 – Detention in East Branch Poth Creek | Detention basin on East Branch Poth Creek | Storage in this area would reduce downstream flooding and remove existing structures from the FEMA floodplain | Additional study needed. Note: Watershed master plan summarizes hydrologic and hydraulic results and recommendations model set up might be possible |
| | 121000090 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2021 | Damage Center 19- San Pedro Creek | From San Pedro Creek to North Laredo Street. | San Pedro Creek and is a rectangular channel that runs parallel to North Laredo Street, which is a heavily trafficked road providing access to IH-10. A lateral detention project is recommended to reduce the Camaron Street spill which will also provide | 2021 USRMP provided additional study and analysis to damage center 19. BCR can be calculated with information provided. |
| | 121000085 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 3- Zarzamora Creek | Upstream of Garza Park to approximately 780 feet downstream of Ingram Road | A channelization option was considered only for the area upstream of the pedestrian bridge, adjacent to Garza Park. The proposed earthen channel would begin upstream of the pedestrian bridge and end approximately 780 feet downstream of Ingram Road | Ask SARA about updated floodplains |
| | 121000093 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 32-Six Mile Creek | Vickers Avenue on the north side and by I-35 on south side | the proposed pond would have a direct impact on the flow in Normoyle Ditch, it is recommended that the required drainage structures be reanalyzed | Ask SARA about updated floodplains |
| | 121000018 | City of Leon Valley | Bexar | Huebner Creek CAP 205/ | 2021 | Huebner Creek Flood Control Project Segment 1 | Starting at Bandera Rd Bridge to Evers road | The channel will be widened to 50" in front of Raymond Rimkus Park (6440 Evers Road) and then widened more from the park to the bridge. | |
| | 121000063 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | Huebner Creek Flood Protection Barrier | upstream of Ingram Road | This project includes proposed Flood Protection Barrier between Ingram Road and Culebra Road | Regional |
| | 121000033 | City of Bulverde | Comal | City of Bulverde Mapping Improvements Indian Creek Drainage Report | 2016 | Indian Creek Mapping Improvements | Indian Creek | Alternative Analysis and Project recommendation | Regional |
| | 121000070 | City of Balcones Heights | Bexar | Upper Woodlawn Lake Drainage Study | 2014 | Woodlawn Lawn Lake Option 1(Phase 1-3) | Hillcrest Drive to Balcones Heights Rd | Detention, Storm drain improvements, Culvert Improvements, Roadway Improvements | Completed H&H proposed analysis within report. Model not provided. Track down model and update the BCA |
| | 121000069 | City of Balcones Heights | Bexar | Upper Woodlawn Lake Drainage Study | 2014 | Woodlawn Lawn Lake Option 2 | Hillcrest Drive to Balcones Heights Rd | Detention, Storm drain improvements, Culvert Improvements, Roadway Improvements | Completed H&H proposed analysis within report. Model not provided. Track down model and update the BCA |
| HIGH | 121000126 | Wilson County | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Wilson 10 - Acquisitions of Flooded Structures | Engineering Project Planning | Study to locate flooded structures to remove them out of the SFHA and restrict future structures from development on the site. Removal of damaged structures that are no longer liveable. | Need a study and detailed cost estimate |
| | 121000153 | City of Floresville | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Property acquisition and demolition and/or relocations | Engineering Project Planning | Study: Acquisitions for repetitive loss structures | Need a study and detailed cost estimate |
| | 121000005 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 7420 Rolling Acres Trail Low Water Crossing | 7420 Rolling Acres Trail | Low Water crossing moves toward home on Meadow Creek Trail. Road Closure gate is deployed at this crossing during large storm events HIGH LOE | |

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| | 121000002 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | 7820 Rolling Acres Trail | 7820 Rolling Acres Trail | Low water crossing. Road closure gate is deployed at this crossing during large storm events HIGH LOE | |
| | 121000004 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | Ammann Road Low Water Crossing | 341 Ammann Road Low Water Crossing | Low water crossing runs over the street due to insufficient culverts that pass under Ammann Road. Replacing the current road with an elevated concrete bridge above the flood stage.HIGH LOE | |
| | 121000016 | City of Helotes | Bexar | Projects for Flood Risk in Helotes | 2016 | Antonio Drive Drainage Improvements | Los Reyes Creek at Antonio Dr | Bridge at Los Reyes Creek and Antonio Dr HIGH LOE | |
| | 121000007 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | Battle Intense LWC Flow-activated Sensors | Battle Intense LWC | Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road. HIGH LOE | |
| | 121000050 | City of San Antonio | Bexar | Medina River Holistic Watershed Master Plan | 2015 | D/O Center A (Old Pearsall road at Medio Creek) | Old Pearsall Road 410 Southwest | Old Pearsall Rd overtopping at Medio Creek Bridge and backwater conditions created from Railroad Bridge DS Old Pearsall rd. HIGH LOE | |
| | 0 | City of San Antonio | Bexar | - | | LC-44 Huebner Creek at Evers Rd. NWWC | Huebner Creek from Apple Green Rd. to Evers Rd. | The project consists of increasing conveyance by widening the existing Huebner Creek as a grass-lined channel, proposing a new bridge at the Apple Green Rd. crossing, and improving the culvert crossing at Evers Rd - HIGH LOE | |
| | 121000026 | City of San Antonio | Bexar | Project Summary Sheet | 2022 | LWC #153 W.W. White at Rosillo Creek | WW White at Rosillo Creek | Improving the bridge and or creekway to reduce the frequency at which flood waters result in closure of WW White. Existing High Water Detection and Flood Warning signal systems could then be removed from this location. HIGH LOE | |
| | 121000078 | City of San Antonio | Bexar | Project Summary Sheet | 2022 | LWC #34 Sleepy Hollow @ Sunburst | Sleepy Hollow @ Sunburst | This project requires the placement culverts or a bridge to eliminate a low water crossing . Street Reconstruction includes driveway approaches, curbs, and sidewalks as required. HIGH LOE | |
| | 121000023 | City of San Antonio | Bexar | Project Summary Sheet | - | LWC #71 Danville and Overbrook | Danville and Overbrook | This project requires the replacement of existing low water crossing on Danville with an upgraded culvert (2-10'X10' MBC) or bridge to eliminate a low water crossing with some channel modifications upstream and downstream of the crossing. Street reconstr - HIGH LOE | |
| | 121000095 | Kendall County | Kendall | Kendal County | 2022 | LWC at Ammann Rd and Post Oak Creek | Ammann Rd and Post Oak Creek | Improve the low water crossing at Ammann Road and Post Oak Creek which is frequently flooded HIGH LOE | |
| | 121000100 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC# 101 Rittiman Creek @ Gibbs Sprawl | On the east side of San Antonio upstream of Gibbs Sprawl Road and just north Lou Kardon Memorial Park | This proposed planning study adds culverts at the railroad crossing, upgrades the earthen channel in the park from the westerly property line to Rittiman road, and installation of larger box culverts at the Gibbs Sprawl LWC which requires Gibbs Sprawl to HIGH LOE | |
| | 121000021 | City of San Antonio | Bexar | Project Summary Sheet | 2010 | LWC#41 Vance Jackson 200ft south of Scenic | From Scenic intersection to 400' South on Vance Jackson; 200' channel upstream and downstream from Vance Jackson | Low Water Crossing needs Bridge/Culvert Improvements with possible advanced warning signals. Associated street reconstruction to include curbs, sidewalks, and driveway approaches be incorporated into the project. HIGH LOE | |
| | 121000077 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | New Sulphur Springs – East of Lodi Rd | New Sulphur Springs Rd - | This project will install a cross arm/barricade at the LWC. Construction of a bridge or culvert installation was considered at this location however, both options were deemed to not be cost effective given the location and the amount of traffic traversin HIGH LOE | |
| | 121000055 | City of Helotes | Bexar | Projects for flood risk Reduction in Helotes | 2016 | Parrigin Road Drainage Improvements | Parrigin Road crossing of Helotes Creek Tributary A near Indian Trail | Parrigin Road low water crossing at Helotes Creek Tributary A floods frequently, limiting access for nearby residences HIGH LOE | |

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| | 121000008 | City of Fair Oaks Ranch | Bexar | City of Fair Oaks Ranch Master Drainage Plan | 2018 | Rolling Acres Trail LWC Flow-activated Sensors | Rolling Acres Trail LWC | Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road. HIGH LOE | |
| | 0 | City of Shavano Park | Bexar | Preliminary Engineering Report | 2020 | Turkey Creek | NW Military north of Turkey Creek | This area of concern consists of a natural low that drains from NW Military north of Turkey Creek, through the neighborhoods across Honeybee Lane, Turkey Creek Road, and Long Box Road. Proposed Conditions include would consist of a 36-inch pipe within the NW Military Highway to convey runoff from the northern culvert crossing to the southern crossing The remaining downstream system would consist of 5'x5' and 7'x5' box culverts that convey runoff from the southern culvert to the existing low water crossing on Long Bow Road. From this point, an earthen channel would need to be constructed across private property to provide positive drainage to Olmos Creek HIGH LOE | |
| | 121000102 | City of San Antonio | Bexar | Cibolo Creek Watershed Holistic Master Plan | 2018 | Upper Martinez Creek Improvements | Woodlake Pkwy | Improvements to already channelized section of Martinez Creek (Cibolo Watershed) from Montgomery Dr to Walzem Rd and bridge improvements at Gibbs Sprawl Road HIGH LOE | |
| | 121000022 | City of San Antonio | Bexar | Project Summary Sheet | 2022 | LWC 100, Blakeley Area Drainage Improvement | Blakeley Drive - 200' West of Vandiver | This option consists of upsizing the Blakeley crossing to (3) 6'x3' RCB and providing a 7' bottom width concrete trap channel with 3:1 side slopes upstream of the crossing. | Not enough information provided. Discussed with City of San Antonio Abigail Knott and Erin Cavazos and no additional information is available. |
| | 121000031 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | Apache Creek & Elmendorf Lake Dam | Bounded by Northwest 26th Street, West Commerce and Southwest 19th Street | The Elmendorf Lake Dam area is prone to flooding and will require an extensive drainage project to mitigate the floodplain. A Preliminary Engineering Report (PER) will need to be provided to assess a feasible solution | Not enough information provided. Discussed with City of San Antonio Abigail Knott and Erin Cavazos and no additional information is available. |
| | 121000032 | City of Bulverde | Comal | City of Bulverde Mapping Improvements Cibolo Creek Tributary 19 Drainage Report | 2016 | Cibolo Creek Tributary 19 Mapping Improvements | Cibolo Creek Tributary 19 | Alternative Analysis and Project recommendation | No proposed analysis done just alternatives recommended. Report contains |
| | 121000060 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | Culebra Creek Tributary A at Tezel Road Enhanced Conveyance | Located along Culebra Creek Tributary A between Dover Ridge and Tezel Road | Increasing the flow area by widening the channel and increasing its side slopes. | No model provide but 2011 map exhibits shows structures with in floodplain. Proposed models could be modeled. |
| | 121000012 | City of Stockdale | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 1 (Stockdale Creek) | Stockdale Creek between State Highway 123 and U.S. Highway 87 | Stockdale Creek Stream Restoration with a natural channel design | No model available. Larger area of stream restoration. Need to confirm BCA requirements for Stream Restoration. |

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| HIGH | 121000051 | City of Poth | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 1 Project2A – Improved crossing at U.S. Highway 181 | Upgrade Hwy 181 crossing at East Branch Poth Creek | Additional Box Culverts to U.S. Highway 281 Crossing/Crossing Replacement with a 100-foot Bridge Section | No Model available. Phased project with Detention in East Branch Poth Creek. Both project removes 20 structure from 100-yr. Possibility of modelling proposed conditions |
| | 121000054 | City of Stockdale | Wilson | Wilson County Watershed Master Plan | 2012 | Damage Center 2 (South Tributary to Stockdale Creek) | South Tributary to Stockdale Creek | Detention South Tributary to Stockdale Creek near the eastern city limit | NO model available |
| | 121000068 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 2- Martinez Creek | Bound by Interstate 10 to the south, Vance Jackson Road to the west, West Avenue to the east, and Wayside Drive to the north | The downstream culvert system creates a backwater which will continue to affect properties near the inlet of that structure. Improved channelization and culvert/bridge replacement and voluntary property acquisition | |
| | 121000091 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 20- Matinez Creek | Fredericksburg Road to the north, Interstate 10 to the east, Culebra Road to the south, and North Calaveras Street to the west | A significant number of houses within this damage center flood during the 10% AC storm event. Lateral detention is a viable alternative for this project and could be used in conjunction with VPA, and reduced channelization, to meet the | |
| | 121000092 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 23-New Braunfels, Austin Hwy, Broadway Drain | The project area is from Broadway Street at Burr Road north to New Braunfels Avenue at Nottingham Drive | Reduce regional flooding and remove secure safe passage during 100 yr. event. Utilizes a combined regional and local trunkline of 4'x4' and new outfall near Patterson Avenue. | |
| | 121000097 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 31- Rockwood Creek | east of the San Antonio River south of US90 and east of US37 | there are residential lots that abut the top of bank of the creek. the floodplain limits of the effective DFIRM model are incorrect based on the DFIRM hydrology if the hydrology is re-evaluated to take into account the limiting factor of t | |
| | 121000094 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 34- State Hospital Creek | From Hot Wells Blvd across IH-37 to sally gay drive. | The culvert system under IH-37 and Hillje Street is severely undersized, causing water to pond and overtop the median concrete barriers both the detention basin and the channelization project will have to be constructed to remove all structures from | |
| | 121000065 | City of San Antonio | Bexar | Salado Creek Watershed Master Plan Report-Phase 1 | 2011 | Damage Center 3- Lorence Creek | Between US Hwy 281 and Jones Maltsberger Drive | Approximately 10,000 feet of channel improvement. The proposed drainage improvements reduces the occurrence of structural flooding in several areas along the banks of the creek. | No Model |
| | 121000030 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 4- Apache Creek | West Woodlawn Avenue and northwest 36th | Majority of the flooding is caused by the undersized culverts downstream of West Woodlawn, providing addition of box culverts will provide adequate capacity to the existing storm drain system | No Model |

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| HIGH | 121000029 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 43- Olmos Creek Middle Reach near DeZavala | This damage center is between DeZavala Road and Huebner Road to the east side of Lockhill-Selma Road | The depth of flooding for the 100-year event ranges between 0.10 and 3.82 feet, therefore, buyouts do not appear to be a practical solution | Property Acquisitions |
| | 121000064 | City of San Antonio | Bexar | Salado Creek Watershed Master Plan Report-Phase 1 | 2011 | Damage Center 5- Salado Creek Trib F | Extends from Classen Road to the north to south Thousand Oaks Drive | Approximately 4,487 feet of channel improvements as well as constructing two inline reservoirs. | |
| | 121000086 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 6- Martinez Creek | IH-10 near Fresno Drive and exit back under IH-10 near West Summit Avenue | Voluntary Property Acquisition is the only option that would be recommended under current regulatory and funding scenarios | |
| | 121000087 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 7- Zarzamora Creek | Commerce Street and North General McMullen | Based on the value of the homes within this damage center, VPAs appear to be a practical option that may be well received | |
| | 121000088 | City of San Antonio | Bexar | UPPER SAN ANTONIO RIVER MASTER PLAN | 2013 | Damage Center 9- Alazan Creek | Guadalupe Street between Cornal and San Marcos Streets | severe flooding upstream of South Colorado Street, where the majority of the buildings flood during the 10&50 yr. Channel improvements | |
| | 121000066 | City of San Antonio | Bexar | Salado Creek Watershed Master Plan Report-Phase 1 | 2011 | DC13/14: Walzem Creek | Downstream of Windway Drive; between Judivan and Walzem Road | A proposed combination of regional detention and channel improvement to reduce flooding on Walzem Creek. Conveyance improvements were used to reduce peak flood stages downstream of Windway Drive and upstream of Judivan, while offline detention was used t | |
| | 121000019 | City of San Antonio | Bexar | Salado Creek Watershed Master Plan Report-Phase 1 | 2011 | DC19: Salado Creek Tributary B | Along martin Luther King Dr and IH 10 | Improvement on IH 10 culvert crossing to reduce peak flood stages upstream of IH 10 channel improvements downstream of IH 10 to prevent peak flood stage increase | |
| | 121000020 | City of San Antonio | Bexar | Salado Creek Watershed Master Plan Report-Phase 1 | 2011 | DC20: Rosillo Creek Unnamed Tributary 1 | Along Diane Road between WW White Road and Loop 410 | Upgrade Diane Road and construct drainage improvements | |
| | 121000057 | City of Helotes | Bexar | Projects for Flood Risk in Helotes | 2016 | Detailed Study of Culebra Creek Trib C | Culebra Creek Trib C | Detailed H&H study of Culebra Creek Trib C | |
| | 121000056 | City of Helotes | Bexar | Projects for Flood Risk in Helotes | 2016 | Detailed Study of Unnamed Trib 3 to Helotes Creek | Unnamed Trib 3 to Helotes Creek Trib | Detailed H&H study of Unnamed Trib 3 to Helotes Creek Trib | |
| | 121000047 | City of Stockdale | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Detention/Retention pond on school property | City of Stockdale | Install a Detention/Retention pond and reservoir to store excess stormwater on school property along Fordham Street | |
| | 121000038 | City of Stockdale | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Develop and implement a Stormwater Management Plan for Stockdale Creek | City of Stockdale | Stockdale Creek, a tributary of Clinton Branch which flows into Cibolo Creek, does not have sufficient capacity to contain floodwater as it flows through the center of Stockdale. The railroad on the east side of town used to act as a levee, but when it w | |
| 121000045 | City of Stockdale | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Drainage improvements to wastewater treatment plants | City of Stockdale | A drainage improvement was completed in 2018 with 2016 disaster relief funding. Internal plumbing was buried and the size of the weir box was increased. Funding and improvements are still needed to connect 2 and 3 and cross CR401 to increase discharge ca | | |

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| HIGH | 121000043 | City of Poth | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Drainage Study Marcelinas Creek and its major tributary | City of Poth | Marcelinas Creek has a floodplain that runs through the center of the city. Install stream gauges and identify alternatives to mitigate flooding. Implement study findings. | |
| | 121000017 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | French Creek at Guilbeau Road NWWC | Downstream of Guilbeau Road | A basic trapezoidal channel with side slopes of 3:1, representing an earthen channel | |
| | 121000059 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | French Creek RSWF | Upstream of Loop 1604 on French Creek | An on-channel RSWF provides approximately 150 acre-feet of storage | |
| | 121000061 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | Helotes Creek at Bandera Road Enhanced Conveyance | Between Scenic Loop and Bandera Road | Channel modifications were designed as a basic trapezoidal channel with side slopes of 3:1 | |
| | 121000062 | City of San Antonio | Bexar | Leon Creek Watershed Master Plan Phase 3 | 2011 | Helotes Creek RSWF | West of Texas Highway 16 and Loop 1604N | An off-channel RSWF provides approximately 3330 acres-ft oof storage. | |
| | 121000042 | City of Poth | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Install early warning systems | City of Poth | Conduct a feasibility study that evaluates the coverage area, property ownership and availability, power requirements, telemetry requirements, technology, cost, and other local considerations. Based on study findings, install an emergency warning systems | |
| | 121000099 | City of Poth | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Install pipe gates to close off streets | City of Poth | Install automated systems at low-water crossings with high rate of vehicular access resulting in frequency of accidents and loss of life. | |
| | 121000034 | City of Falls City | Karnes | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Inventory of residences in floodplain | City of Falls City | Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquisition. | The first steps are done with the analysis done for existing conditions. The steps would be to figure out costs for floodproofing or voluntary acquisition |
| | 121000034 | City of Karnes City | Karnes | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Inventory of residences in floodplain | City of Karnes City | Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquisition. | The first steps are done with the analysis done for existing conditions. The steps would be to figure out costs for floodproofing or voluntary acquisition |
| | 121000034 | City of Kenedy | Karnes | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Inventory of residences in floodplain | City of Kenedy | Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquisition. | The first steps are done with the analysis done for existing conditions. The steps would be to figure out costs for floodproofing or voluntary acquisition |
| 121000034 | City of Runge | Karnes | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Inventory of residences in floodplain | City of Runge | Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquisition. | The first steps are done with the analysis done for existing conditions. The steps would be to figure out costs for floodproofing or voluntary acquisition | |
| 121000013 | City of Falls City | Karnes | Holistic Watershed Master Plan Wilson, Karnes, and Goliad Counties | 2015 | Karnes County Damage Centers Karnes A | US 181 and San Antonio River | Multiple structures at risk Within San Antonio River at US 181 | | |

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| HIGH | 121000014 | City of Falls City | Karnes | Holistic Watershed Master Plan Wilson, Karnes, and Goliad Counties | 2015 | Karnes County Damage Centers Karnes B | US 181 and San Marcelinas creek | Multiple structures at risk Within Marcelinas Creek at US 181 | |
| | 121000009 | City of Kenedy | Karnes | Holistic Watershed Master Plan Wilson, Karnes, and Goliad Counties | 2015 | Karnes Hwy at Escondido Creek | City of Kenedy | Raise bridge on Hwy and channel expansion on 181/5th in Kenedy | |
| | 121000076 | City of San Antonio | Bexar | Project Summary Sheet | 2022 | LWC #13 West Ave. @ Interpark | Approximately 800 FT Southwest of Interpark | Since approximately 2006, residents have complained about flooding within a low point on West Ave. Approximately 173 acres drains through this area. This project will construct an underground drainage system with an earthen channel to convey the storm wa | Proposed solution available but needs H&H analysis |
| | 121000075 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC #15 Copperhill Between Parkstone & Happy Hollow | Between Parkstone & Happy Hollow | Low Water Crossing #15 has approximately 128 acres of storm water that is conveyed through this crossing. This project proposes to construct an underground drainage system to assist in the conveyance of runoff crossing through this section of the street. | Proposed solution available but needs H&H analysis |
| | 121000028 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC #159.1 Southton Rd | Southton Rd. - 0.5 mile West of IH 37 | The proposed project will replace the existing culvert system with a bridge approximately 1500' in length. | Proposed solution available but needs H&H analysis |
| | 121000072 | City of San Antonio | Bexar | Project Summary Sheet | - | LWC 112.1 Pvt Rd. 300' North of Marbcah Rd. | LWC 112.1/Pvt Rd. - 150' South of Meadow Leaf LWC 112.2/Meadow Way - 200' South of Meadow Leaf | Project consists of channel improvements and an outfall to Slick Creek to alleviate street flooding. Channel improvements include installing 10x4 MBC along the channel to improve flow at this portion of Slick Creek. | Proposed solution available but needs H&H analysis |
| | 121000073 | City of San Antonio | Bexar | Project Summary Sheet | 2021 | LWC No 113-116 and Associated Channel Improvements | Drainage Channel - U.S. Hwy. 90W access road to Martinique Dr.; Martinique Dr. - to 725 ft. east of Westward Dr. | This project proposes to upgrade LWC 115 & 116 and construct an underground storm system on Military to tie into the existing earthen channel. The underground system will consist of 10' curb inlets, 6'x3' box culverts, 24"-42" Reinforced Concrete Pipes | Proposed solution available but needs H&H analysis |
| | 121000074 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC# 91 Weidner 500 ft N of Schertz | Weidner Rd | Construct a bridge on Weidner Rd. to pass a 100 yr. storm to replace LWC# 91, to include curbs and sidewalks. This project will require channel excavation. This LWC is not within a FEMA floodplain. | Proposed solution available but needs H&H analysis |
| | 121000025 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC#156 New Sulphur Springs Rd – btwn S. Foster & Gardner | New Sulphur Springs Rd. - 1-mile East of S. Foster Rd. | The proposed project will replace the existing culvert system with a bridge approximately 1500' in length. The proposed bridge will span two streams at this location | Proposed solution available but needs H&H analysis |
| | 0 | City of San Antonio | Bexar | Project Summary Sheet | - | LWC#42 Dreamland south of RR Xing | Dreamland from RR to 550' West of RR Crossing; 1600 LF North and 4700 LF South of Dreamland LWC | The project will consist of proposed Bridge crossing with +/- 6300 LF of total channel grading upstream and downstream and excavating to eliminate a low water crossing. Street reconstruction includes driveway approaches, curbs, and sidewalks as required | Proposed solution available but needs H&H analysis |
| | 121000079 | City of San Antonio | Bexar | Project Summary Sheet | 2020 | LWC#72 Spencer Lane, east of Balcones Rd. | Spencer lane | During a rain storm event, storm water runoff from the East Woodlawn Ditch overtops the road. This project proposes the construction of a culvert crossing to include an associated energy dissipation system, headwall, and outfall structures. | Proposed solution available but needs H&H analysis |
| | 121000024 | City of San Antonio | Bexar | Project Summary Sheet | 2019 | LWC157 New Sulphur Springs Rd – East of Beck Rd | Approximately 240 LF east of Beck Rd. | The proposed project will install 4-10' x 9' MBC at the LWC and reconstruct the portion of New Sulphur Springs Rd. affected by the culvert installation. The proposed street reconstruction will not include sidewalks or curbs. | Proposed solution available but needs H&H analysis |
| | 121000080 | City of San Antonio | Bexar | Project Summary Sheet | - | Mahncke Park Outfall | Broadway at Funston | To convey the 100-yr ultimate development and relieve the current backwater conditions. This project proposes drainage improvement to watershed SA4.To reduce clogging and increase efficiency. | Proposed solution available but needs H&H analysis |

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| HIGH | 121000101 | City of Stockdale | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Maintain Drainage System | City of Stockdale | Improve storm water drainage within residential and commercial areas by removing brush and debris, opening and widening waterways, restricting building in the flood zone, and widening bridges. Status or project was 90% complete in 2012 plan awaiting purc | |
| | 121000015 | City of Selma | Bexar | - | 2022 | Master Drainage Plan | City of Selma | A detailed drainage study of the city of Selma | |
| | 121000037 | City of Poth | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Mitigate local flooding in identified problem areas | City of Poth | Identify problem flooding areas and implement a program to reduce localized flooding | |
| | 0 | City of San Antonio | Bexar | - | | Mulberry Ave. Bridges | Mulberry Ave from N St Marys St to Red Oak | Study of Mulberry Avenue and the historic San Antonio Zoo Rail Road bridge. Flows over Mulberry Ave will be reduced to a level allowed by City drainage criteria. Improvements include channelizing the San Antonio River approximately 1,600 ft downstream of Mulberry Ave with bottom widths ranging from 100 ft to 160 ft. The proposed channel would maintain 3:1 side slopes and allow for natural channel growth rather than being maintained. Although only 1 building would be removed from the regulated 100-year ultimate floodplain, Mulberry Ave would be improved to a "Proceed with Caution" Level of Service from "Unsafe". Additionally, a significant amount of open space area upstream of Mulberry Ave is removed from the floodplain which could tie into the surrounding park and trails system. NOTE that part of the San Antonio River in this area is considered a Wetland and that a 404 permit from the U.S. Army Corp of Engineers will be required. Also, this project will need to be evaluated for downstream impacts to ensure it does not cause a negative impact to downstream floodplain limits or structures HIGH LOE | |
| | 121000046 | City of Stockdale | Wilson | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | New Bridges on 6th and 8th Streets | City of Stockdale | New construction of waterway bridges on 6th and 8th Streets crossing Stockdale Creek. Lift elevation profile of the two bridges that provide access to critical facilities and services within the city as well as access from the City to the surrounding reg | |
| | 121000071 | City of San Antonio | Bexar | - | - | Normoyle Ditch - Alt 1 | Wabash St from 200 Ft north of New Laredo Hwy to Wagner Av | Channel improvements are proposed from the Six Mile Creek outfall up to approximately 200 feet upstream of New Laredo Hwy. The project area was limited to the area south of Kelly AFB as the majority of habitable structures area located south of New Lared | |
| | 121000001 | City of Runge | Karnes | Karnes and Wilson Counties Hazard Mitigation Plan | 2020 | Study the San Antonio River, Ojo de Agua Creek and its tributaries | City of Runge | Install steam gauges and develop a study to identify solutions to flooding. Implement engineering findings to reduce and mitigate risks. | I feel like this should have been two separate FMEs. |