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

Region 12
01/28/2025
2:00 PM

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, January 28, 2025, at 2:00 PM, in-person at the San Antonio River Authority, located at 100 E. Guenther St and virtually at https://meet.goto.com/288512749.

Agenda:

1. (2:00 PM) Roll Call
2. Public Comments – limit 3 minutes per person
3. Discussion and Appropriate Action to Elect Officers of the Technical Committee
4. Review Amendment Proposals and Any Supplemental Information
5. Public Comments – limit 3 minutes per person
6. Date and Potential Agenda Items for Next Meeting
7. 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, 100 E. Guenther St., San Antonio, TX, 78204 and include "Region 12 San Antonio Regional Flood Planning Group Technical Subcommittee Meeting" in the subject line.

Additional information may be obtained from: Kendall Hayes, (210) 302-3641, khayes@sariverauthority.org, San Antonio River Authority, 100 E. Guenther St., San Antonio, TX, 78204.

2025 Region 12 Amendment Received Projects

					FMP Requirements									
					FME Requirements									
FMX	Project Study/Name	Scope Description	Sponsor	2023 FMX	Notice of Intent by December 15, 2024	Shapefile (Study Area or Project Area)	Estimated Study Cost (Non-Construction)	Estimated Construction Cost	Hydrologic & Hydraulic models	Pre & Post Project 100yr Floodplains	Benefit Cost Analysis	No Negative Impacts Certification	One Pager / CoSA Planning studies	Notes
FME	Water Treatment Plant Flood Proofing	Developing a drainage study to identify flood impact to SAWS infrastructure and road access.	SAWS		✓	✓	✓							
FME	Calaveras Watershed Atlas 14 Update	Update Calaveras Watershed to Atlas 14. Includes the processing and development of the terrain using latest LiDAR data, structure survey, hydrologic and hydraulics analysis, mapping, and the production of Flood Risk Products.	SARA		✓	✓	✓							
FME	Future Rainfall Projection Incorporation into Urban Watershed	This project focuses on integrating projected future rainfall frequency data into urban watershed studies for the USAR, Salado, and Leon watersheds within Bexar County.	SARA		✓	✓	✓							
FMP	Escondido Dam 4 Rehabilitation Project	The rehabilitation project includes planning, design, and construction phases. The final construction / rehabilitation phase will implement design plans to bring the dam up to modern safety standards.	SARA	FME: 121000120	✓	✓	✓	✓		✓	✓	✓		
FMP	Escondido Dam 12 Rehabilitation Project	The rehabilitation project includes planning, design, and construction phases. The final construction / rehabilitation phase will implement design plans to bring the dam up to modern safety standards.	SARA	FME: 121000120	✓	✓	✓	✓		✓	✓	✓		
FMP	Escondido Dam 1 Rehabilitation Project	The rehabilitation project includes planning, design, and construction phases. The final construction / rehabilitation phase will implement design plans to bring the dam up to modern safety standards.	SARA	FME: 121000120	✓	✓	✓	✓	✓	✓	✓	✓		
FMP	Allsup Flagle Area Drainage Project	Drainage improvements at intersection of Allsup Street and Flagle Street. Components include: road reconstruction with inlets and underground 4'x2' SBC storm sewer system.	CoSA		✓	✓	✓	✓	✓	✓	X	✓		
FME	Belfair Drive PER	Belfair Drive contains an underground section of Apache Creek. The area has experienced flooding in the past with significant damage to private property. Three alternatives were provided in the report to mitigate flooding.	CoSA		✓	✓	✓							
FMP	Blue Ridge Area Drainage Improvements Phase I	This project is on the west side of San Antonio in Apache Creek. This proposed drainage project comprises of additional storm sewer system which includes a series of 10-foot curb inlets as well as the upsizing of outfall pipe.	CoSA	Blue Ridge Drive Drainage Improvements, FMP ID: 123000040	✓	✓	✓	✓	✓	✓	X	✓		Amendment to the previous FMP? Or duplicate?
FMP	Blue Wing Bridge Improvements	This project consists of realigning Blue Wing Rd. to not encroach on the 100-year future conditions Tributary F floodplain of the San Antonio River. This project will provide unflooded access to IH 37 for the residents.	CoSA		✓	✓	✓	✓	✓	✓	X	✓		
FMP	Breeden Drainage Improvement Phase 2	Reconstruction of the street, curb and sidewalks within the project area, along with the installation of an underground drainage system. The proposed storm drain system will tie-in to an existing system at north of the W Russell Pl and Breeden Ave intersection.	CoSA		✓	✓	✓	✓	✓	✓	X	✓		
FME	Downtown Flood Risk Assessment	The proposed study would evaluate the San Antonio Downtown area with a 2D model using updated hydrology to identify the remaining flood risk to human lives and the local economy.	CoSA		✓	✓	✓							
FME	Drainage Project 58A PER	The project is intended to mitigate the 100-year regulatory floodplain in Zarzamora Creek from a pedestrian crossing near San Pablo Place to the Fortuna Street Bridge.	CoSA		✓	✓	✓							
FMP	East Ansley Street Reconstruction	This project will reconstruct about 2500 LF of East Ansley Street. The proposed street will be lowered, and curbs will be installed to intercept runoff and divert it to a proposed outfall in Six Mile Creek.	CoSA		✓	✓	✓	✓	X Conveyance Calculations	X	X	✓		
FMP	Frio City Road Outfall Project	Adding and replacing SBC alongside of the existing system on Frio City Rd. It will alleviate the flooding during a local watershed 100-year storm event and provides the main trunk system capacity required for all future upstream drainage infrastructure improvements.	CoSA		✓	✓	✓	✓	✓	X	X	✓		
FMP	Judson and Lookout LWC Improvement	The project proposes a combination of roadway improvements, culvert upgrades, and channel improvements to eliminate flooding of the roadways	CoSA	Judson and Lookout LWC Improvement FMP ID: 123000022	✓	✓	✓	✓	✓	X	✓	✓		

FMP	Lyngrove and Windbrooke Area Drainage Improvements	The scope of this project is to capture the 25-yr runoff along Lyngrove via proposed curb inlets and an underground storm system.	CoSA		✓	✓	✓	✓	X WinStorm and Flowmaster	X	X	✓	✓	
FME	Olmos Dam Facilities Upgrades	Olmos Dam requires full replacement of main components and electrical components to ensure continual and efficient operations.	CoSA		✓	✓	✓							
FMP	Olympia Drive Phase II Drainage Project	The project contains upsizing of underground drainage system and street reconstruction. The proposed project will mitigate localized drainage issues within the streets and street rights-of-way as well as improving vehicular and pedestrian access and safety within the project area.	CoSA		✓	✓	✓	✓	X Flowmaster, HY8 and StormCAD	X	X	✓		
FMP	Ray Ellison South Drainage Improvements	This project will require construction of an underground drainage system consisting of inlets, reinforced concrete trunklines and culvert boxes and outfall structures. Ray Ellison Blvd. will be reconstructed to include sidewalks, curbs, and driveway approaches.	CoSA		✓	✓	✓	✓	X Conveyance Calculations	X	X	✓	✓	
FME	San Antonio River Tunnel Inlet Facility Upgrades	The facility upgrades require the replacement of the gates, actuators, gate opening mechanisms (stems), and generator.	CoSA		✓	✓	✓							
FME	San Antonio River Tunnel Outlet Repairs	The need to replace the ceiling grid, repair cracks on the walls, and replace actuators and gates are essential to maintaining continued operations.	CoSA		✓	✓	✓							
FME	San Pedro Creek Tunnel Inlet and Outlet Repairs	The flood diversion tunnel needs to replace aging motors to keep it operational.	CoSA		✓	✓	✓							
FMP	Budding Culvert Replacement	The culvert is slightly skewed to the channel which has caused erosion to the northern bank. This project will increase the size of the culvert, slightly raise the road and realign the angle of the culvert with the channel to prevent future erosion.	CoSA		✓	✓	✓	✓	✓	X	X	✓	✓	
FMP	Eisenhauer Northwood Devonshire Area Drainage Ph II	The project reconstructs Eisenhauer Rd with curbs and gutters and install an underground drainage system to correct the flooding of residential lots and remove a low water crossing (LWC) on Vandiver and alleviate flooding on Chevy Chase and Devonshire with an underground system.	CoSA		✓	✓	✓	✓	✓	X	X	✓	✓	
FMP	Oak Haven (Kentwood PH3) Area Drainage Improvements	This project includes street reconstruction, storm sewer, culvert crossings, and channelization, which will mitigate flows draining into properties.	CoSA		✓	✓	✓	✓	X WinStorm	X	X	X	✓	
FMP	Tributary F to Salado Creek Area Drainage Project Alt 1 Ph 1	The project will improve the channel and raise Stahl Rd to convey the 25-yr design storm event and also remove 32 structures from the 100-year floodplain.	CoSA		✓	✓	✓	✓	✓	X	✓	✓	✓	
FMP	Water Quail Area Drainage Improvements	This project includes storm sewer, and channelization well as street reconstruction with curbs, sidewalks and driveways approaches. The roadway profile and street typical section will be reconstructed to crown profile.	CoSA		✓	✓	✓	✓	✓	X	X	✓	✓	
FMP	W. Commerce - LWC #106 Area Drainage Improvements PER	The proposed planning project comprises developing a Preliminary Engineering Report (PER) to identify options for accommodating the 1% annual chance storm event for ultimate development for Leon Creek at W. Commerce St. approximately 2750' west of Pinn Rd.	CoSA		✓	✓	✓	✓	✓	X	X	✓	✓	
FMP	Wellesley Manor Drive Area Drainage Improvements	The project scope includes construction of inlets and storm drain along Wellesley Manor Drive that outfall to Huebner Creek, replacement of the existing channel, driveways, sidewalks, mailboxes, and related drainage features for storm water management to address existing flooding.	CoSA		✓	✓	✓	✓	X Conveyance Calculations	X	X	✓	✓	

2025 Amendment

Amended 2023 San Antonio Regional Flood Plan

April 1, 2025

SAN ANTONIO RIVER AUTHORITY

EXAMPLE COVER LETTER

January 6, 2023

Reem J. Zoun, PE, CFM
Director of Flood Planning
Flood Planning
Texas Water Development Board

RE: Final Regional Flood Plan Submittal for the San Antonio Regional Flood Planning Group

Director Zoun,

Included in this transmittal are two hard copies and two electronic copies of the Final San Antonio Regional Flood Plan (Flood Plan), including one in searchable portable document format (PDF) and one in Microsoft Word format. Also included are an executive summary, a copy of the TWDB Comment Letter, and the requested geodatabases with spatial data associated with the Flood Plan.

On December 19, 2022, the San Antonio Regional Flood Planning Group (Region 12) approved and authorized the San Antonio River Authority to submit the Final Regional Flood Plan and associated data to the Texas Water Development Board. The Flood Plan was developed in accordance with Texas Water Code and 31 TAC Chapters 361 and 362. Region 12 met all requirements under the Texas Open Meetings Act and Public Information Act during the development of the Flood Plan.

We look forward to enhancing the information presented in the Flood Plan during the amendment process. If you have any questions, please don't hesitate to contact Kendall Hayes at (210) 302-3641 or via email at khayes@sariverauthority.org.

Thank you,

Derek Boese, JD, PMP

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Summary of Changes

2023 Regional Flood Plan Amendment #2

Executive Summary

ES.1 General Description of the Region: Adjusted to include RFPG members that approved the Amended Plan. ES.5.2.1 Additional Flood Mitigation Actions for the Amended 2025 San Antonio RFP: Added to Executive Summary for Amendment work. ES.5.2.2 Recommended Flood Management Projects, Evaluations and Strategies: FMX numbers updated to account for Amendment work. ES.6.1 Impacts of Regional Flood Plan: Impacted numbers updated to account for Amendment work.

Chapter 1

1.1 Background: Adjusted to include RFPG members that approved the Amended Plan.

Chapter 2 - 4

No changes were made.

Chapter 5

Updated to account for Amendment work.

Chapter 6

Updated to account for Amendment work.

Chapter 7 - 8

No changes were made.

Chapter 9

Updated to account for Amendment work.

Chapter 10

Updated to account for Amendment work.

Appendix A

Updated to account for Amendment work.

Appendix B

Updated to account for Amendment work.

Appendix C

Updated to account for Amendment work.

Appendix D

Updated to account for Amendment work.

Appendix E

Updated to account for Amendment work.

2023 San Antonio Regional Flood Plan

Amended April 1, 2025

Prepared for San Antonio Regional Flood Planning Group

This report was released for planning purposes only on April 1, 2025, by HDR Engineering, Inc., Texas Board of Professional Engineers, and Land Surveyors Registered Firm F-754, Texas Board of Professional Geoscientists Firm No. 50226. It is not to be used for any other purpose.

PE SEAL

April 1, 2025

Ron Branyon, PE
HDR Engineering, Inc.

1 Introduction and Planning Group Action

1.1 Summary of Amendments and Associated Evaluations

Every five years, the 15 regional flood planning groups (RFPG) develop and adopt regional flood plans (RFP), that are submitted to the Texas Water Development Board (TWDB) for approval. The TWDB compiles the regional flood plans into a state flood plan. During the five-year span between regular, regional flood plan adoptions, plans may be amended to incorporate additional flood risk reduction solutions (FMX) or to reflect changes to conditions or new information.

2 Consistency with Rules and Statute

Information about how the RFPG ensured consistency with all relevant administrative rules and statute. At minimum this should include assurances the regional flood plan amendment:

- Was adopted by the RFPG in accordance with 31 TAC §361.21 related to notice requirements;
- Satisfies the requirements for regional flood plans adopted in the guidance principles pursuant to TWC §16.062(h)(1);
- Adequately provides for the preservation of life and property and the development of water supply sources, where applicable pursuant to TWC §16.062(h)(2); and
- Does not negatively affect a neighboring area, pursuant to TWC §16.062(h)(3).

3 Modifications and Additions to the 2023 Regional Flood Plan

Amended Plan changes tracked per section.

4 Modifications and Additions to Appendices

Amended Plan changes tracked per Appendix document or table.

5 Modifications and Additions to the Geodatabase

Amended Plan changes tracked per geodatabase item.

Submit the Geodatabase Change Log Excel Document along with it.