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

Region 12 San Antonio RFPG 06/23/2022

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 Thursday, June 23, 2022, at 2:00 PM, in-person at the San Antonio River Authority, located at 201 W. Sheridan St and virtually at https://meet.goto.com/586668117.

Agenda:

- 1. (2:00 PM) Roll-Call
- 2. Public comments limit 3 minutes per person
- 3. Discussion on Task 4B & 5 Methodologies
 - a. Identification and Evaluation of Potential and Recommended FME's, FMP's and FMS's
- 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: FMP/FME/FMS Identification Process Table	*Step 0 Step 0		FMP	Step 3 Step 4: Project Details/Feasibility St	tep 4-1: Additional Project Details Step 5
		RFPG Allows STRUCTURAL NONSTRUCTURAL	Sufficient Project Details ADDROMAL INFO FMP Will Identify Has a Planning Level Has a Planning Level Estimated Flood Risk	FMP ONLY Atlas 14	
General Community D //sporor Duty Source Name Source Type Date Date Project Title Date Project Title Date Project Title	Related to Flood Meets Emergency Mitigation/ Need of Management Goal (FPR to define) Completed (FPR to define)	es flood Reduces 100-year flood risk - Problem Area Size Exemption Sufficient Data	(BCA_Cost Estimate, identifies Need for Structures, Population, Cost Estimate Cost Estimate or Flood Reduction (Y/N) Struc/Pop/Cirt Facilities Engineering Evaluation and Critical Recilities and Ricki (Y/N) (Y/N) (Y/N) (Y/N) Associated (Y/N)	offed Goal Associated Goal Project Cost Project Cost Bate pro US Ratio Sponsor Verified (V/N/U)	FMP ONLY
000	(x/M) (x/M) (x/	(Y/N)	(V/N) (V/N)	If "No" consider additional FME for	Level of Service Level of Service
(199)		II AU Collader File II AU Collader File	no cultisate nec a no custom nec si "O" develop a no cultisate nec si "C" calculate cost a no custom nec si no custom nec	accumular rives to update	
					More Info Needed
Bear- Com					Mode (intentioned in description) description) No Negative Effect Sufficient Project Ostalia
Medina- Asszoria 1 WCID Medina TWD8 Active Projects (Dfund) TWD8 2011 Modifications N Laie Medina Dam Laie Medina Dam Laie Medina Dam Repair the abutment	Hy dam, modify by installing and testing post-tension anchors in Y Y - Y	у у .	Structura Infrastruc U Projects	al Flood schure 4000000 2011 U	Discuss FME if model is not Atlas 14. 1
Tension Steel					includes full benefit of project
On of Balcons Upper Woodswer Lake Drainage Woodswer Lawe Lake Option 1 Balcons improvements, Detention, 50 a Rejetts Beaut Outsings Easty Report 2014 (Phases 1 - 3) Y Menglish Risk Instructure improvements, Detention, 50 and 1 August Risk Instructure improvements of the Control of Cont	torm drain improvements, Culvert Improvements, Roadway ts Y - Y	v v .	Structural Structural Market M	al Flood 12000079, 120000079, 120000	area, project combines Option 1 - Piezze 1 - 3 (PM) for need to Calculate Cacifer for further - Study and/or Develope BOAJ 3
City of Balcones Upper Woodswn Like Drainage Bour Drainage Boury Boport Bour Bour Bour Bour Bour Bour Bour Bour	torm drain improvements, Culvert improvements, Roadway to v . v	v , ,	Structura Mariante Ma	al Flood 2000029, schure 2000039, Chy of Balcones 1 2000033 55,500,000 2016 - Heights N	Will need to Calculate Cost for further Study and/or Develop BCA 1
road improver and reduce th	ocalized flooding drainage improvements (channel regrading, ements, and box culvert installations) to manage a 35% event the effects a 100% ener; [Jalegis Perse pavement and the effects a 100% ener; [Jalegis Perse pavement and the effects a 100% ener; [Jalegis Perse pavement and the effects and the ener; [Jalegis Perse pavement and the effects and the energy [Jalegis Perse pavement and the energy				
stormwater sy 1078 recurrer and 3 Aljapariar	provements (initialling a cut an ang gutter with a buried bytem) to discrease the find orisk in this same from a 20° to a ence interval and mitigate erosion along the riverbanks and part; an improvements and foroison Control on the Medium River				More linfo Needed - Models/jneetsloned in
upstream of the City of Storm drain adding native:	the dam along the city park (creating necreation and parking, vegetation, and adversaring stormatters insues) improve the ction to the floodplain and processes and ecological benefits. Y	у у .	Structura Infrastructura Infrastruct		manage 3 25-year storm description) event and refuse the effects a
Misster PROJECT 1A - ADJER ROAD AT Currey Crosk Low water			Structura	al Rood	Need to Develop BCA with
5 Boerne Bexar Boerne Master Drainage Plan Plan 2021 TRIBUTARY A Y Tributary A improvements sidewalks, stre	water crossings along Adler Road, channel regrading, curbs, Y Y - Y	Y Y .	N D - C - Projects	: 1200030 \$1,700,000 2021 - City of Boerne Y	100-year 100
Master PRODUCT 2 - UNIVAMED Regional City of God Regional Contage Plan Plan 2021 DETRITION FACURITY Y Tributary A effrastructure inline detention.	tion facility with culvert improvements Ψ Ψ . Ψ	у у .	Structura Infrastructura (infrastructura per	al Road sucture 12000039, 12000030 57,400,000 2021 . 0.54 City of Boerne Y	from the 50-year floodplain, 8 from the 50-year floodplain, 8 structures from 100-year structures from 100-year 1
					The project is expected to remove 118 remove 119 remove
Master City of Doninage PROJECT 3 - CURREY CREEK Detention,			Structura		from the 50 year floodplan, 174 structures from the 100 - 124 str
	tion facility with additional storm drain improvements Y Y - Y	y y .	Y Projects		from the 500-year floodplain from the 500-year floodplain.
Master PROJECT 4 - SCHOOL STRIET AT School Street at Low water CRU/O CREE AND PRESENCE. Close Creek and crossing Binwated bridge	dge, channel grading, street reconstruction, curb, sidewalks, and		Sinuclura Matazinu		Need to Develop BCA with Traffic Counts; May need to
8 Bearre Benar Ben	ige, channel grading, street reconstruction, curb, sidewalks, and		N D - C - Projects Structura - Infrastructura - Infrastru	al Flood schure 12000029,	100-year 100-year Calcilinate study-cost 1
9 Boarse Boar Boenne Master Drainage Plan Plan 2021 CREEK Y MENGER CREEK efficiativicture driveways	V V - V	V - V	N D - C - Posects	2000030 \$3,700,000 2021 - Chy of Boerne Y	10 year Calculate study cost 1 The project is expected to remove 11 remove 11 remove 11 remove 11
Master PROJECT 6 - XOHNS ROAD NEAR Johns Road near Storm Drain			Structura	tal Rood	structures from the 30-year (Stondpian, 1.5 structures from the 10-year (Stondpian, 1.5 structures from (sooplan, 15 structures from the 50-year floodpian, 18 structures from the 50-year structures from the 30-year structure
City of Dainage CBOLO CROSNIG Cholo Crossing Improvement, 10 Boarne Benar Boerne Master Crosinage Plan Plan 2021 SUBDIVISION Y Subdivision Infrastructure Somm drain, c	channel, increase capacity of existing detention Y Y - Y	Y Y .	Y - Projects	acture 22000039,	Roodpian, and 21 structures (Roodpian, and 21 structures from the 50-oy ear Roodpian in the 50-oy ear Roodpian in the 50-oy ear Roodpian in the project is expected to the project is expected to
					remove 11 structures from the 10-year structures from the 10-year structures from the 10-year floodplan, 3-6 structures from (floodplan, 3-6 structures from (floodplan, 3-6 structures from (floodplan, 3-1 structures from (
Model Gry of Gry of Benar Boenne Model Colinage Pan Pan 2021 MCXMM-STREET Y McGman See Information (Som Crain (Som Grain))	and channel improvements Y Y - Y	v v .	Structural Structural Management of the Struc	al Flood citure 1,3000039, 1 2,2000030 52,100,000 2021 - 0.82 City of Boerne V	structures from the 300-year structures from the 100-year floodplain, and 35 structurers from the 500-year floodplain floor
					The project is expected to remove 7 memory 8 mem
Master Storm Drain City of Grainage PROJECT 8 - JOHNS AND Johns and Improvement,			Infrastruc	ral Flood schure 12000029,	the 50-year floodplain, 12 structures from the 100-year floodplain, 12 structures from the 100-year floodplain, 12 structures from the 100-year floodplain, and 51 structures floor the 100-year floodplain, and 51 structures
	and channel improvements. Y Y Y	V - V	Y - Projects	120000310 \$1,800,000 2021 - 5.46 Chy of Boerne Y	from the 500 year filosoplans if from the 500 year filosoplans 1 The project is operated to the project is operated to remove 46 structures from the 10 year structures from the 10 year st
PRODUCTS - UNIMARED	rossing improvements, channel improvements	, , , , , , , , , , , , , , , , , , ,	Structura Structura Infrastructura		Roodplan, 59 structures from Roodplain, 59 structures from the SO-year Roodplain, 42 the 55-year Roodplain, 42 the 55-year Roodplain, 42 the 55-year Roodplain, 42 structures from the 100-year floodplain, and 27 structures from the 100-year floodplain, and 27 structures floodplain, and 27 structures floodplain, and 27 structures 1
Low water Master crossing	water crossings along Blanco Road, channel regrading, curbs,	, , , , , , , , , , , , , , , , , , ,		al Flood	Need to Develop BCA with
City of Master Master Crossing Master Crossing Master Crossing Crossin	water crossings along River Road, channel regrading, curbs, vert reconstruction Y Y Y - Y	v	Structura N D - C Projects	al Flood acture : 120000034 \$1,400,000 2021 City of Soeme Y	Need to Develop ECA with Traffic Countris, Mayored to 150 years 15
					Inter project is expected to it into project is expected to it remove 2 remove 3 remove 4 remove 6 rem
City of Source Benzi Soeme Master Disings Plan 2021 IntRPS/VEMSHT Y Curry Cresk Improvements Channel Impr	rovements v v v	у	Structura N	acture 12000029,	the 30-year floodplain, 6 structures from the 150-year floodplain, 6 structures from the 100-year structures from the 100-year floodplain, 6 structures floodplain, and 4 structures floodplain, and 4 structures floodplain, and 4 structures floodplain (academost floodplain) floodplain floodplain (academost floodplain) floodplain floodplain (academost floodplain) floodplain
Master PROJECT 13 - HERFF AND ESSER Clobo and Improvement, Bridge at Curr 17 - Boorne Benat Boome Moster Drainage Plan 2021 CURREY AND CONCREX Curry Cress Hinduschus Road Road Road Road Road Road Road Road	rrey Creek and Esser Road, Bridge at Cibolo Creek and River of grading, Roadway reconstruction Y Y Y . Y	, , , , , , , , , , , , , , , , , , ,	Structura N D - C Project		Need to Develop BCA with
Master Gbolo Creek and Proposed inlin	ine extended detention facility that provides water quality he urbanized tributary of Obolo Creek and properties	, , , , , , , , , , , , , , , , , , ,	Structura	al Flood schure 12000029,	Need to Develop BCA with Traffic Counts, May need to calculate study cost 1
The second secon					The project is expected to The project is The pr
North Currey Creek at				al Rood	floodplain, 196 structures floodplain, 296 structures floodplain, 296 structures from the 50-year floodplain, 216 structures from the 100- 216 structures from the 100- 216 structures from the 100-
City of Drainage PROJECT 15 - NORTH CURREY Bluebonnet Regional Channel	ading, curbs, sidewalks, street reconstruction Y Y - Y	v v	Silvician Silvic	ucture 12000029,	year floodplain, and 237 structure filoodplain, and 237 structures floodplain, and 237 structures floodplain f
					remove 513 entractures from the 10-year floodplan, 196 structures from the 10-year floodplan, 196 structures from the 10-year floodplan, 196 structures from the 50-year floodplan, 196 structures flood
Master PROJECT 16 - SOUTH CURREY Low water			Structura	al Flood	216 structures from the 100- year year Whooglain, and 21 25 structures from the 100- year Whooglain, and 21 structures Whooglain, and 21 structures Whooglain, and 21 structures Whooglain who was a structure Whooglain
City of Bulverde Mapping City of Improvements Diolo Creek Drainage Cibolo Creek Tributary 19 Cibolo Creek Feasibility	rossing improvements, channel improvements Y Y Y	v	N D - C Projects	acture 2,0000039, 1,0000000 51,500,000 2021 City of Boerne V 1,0000011, udes and 1,0000013,	year to 100-year year to 100-year Calculate Study Cost 1
21 Bulverde Comal Tributary 19 Crainage Report 2016 Mapping Improvements N Tributary 19 Assessment Alternative An City of Bulverde Mapping Improvements Indian Creek Oraninge Indian Creek Mapping Feasibility	nal yels and Project recommendation Y Y . N	Y - Y - N		12000014 - - - City of Bulvende N	- Calculate Study Cost 1 - Calculate Study Cost 1
City of Bulverde Mapping Regional Channel Improvements Lewis Creek Improvements,				al Flood 12000029, chare 12000030,	Includes full benefit of stream, project Combines Alternative
	ening/lowering, culvert improvement, roadway improvement Y - Y	v . . v . ,	Y - Projects	12000033 52,669,190 2016 - 0.19 City of Bulverde N	. 1 & 2 1

SARFP: FMP/F	ME/FMS	Identificati	on Proce	ess Table			Step 0	*Steps defined per Task 48 Process Out	line. Refer to Technical Mer	emo.				Step 2-1	: FMP			Step 2-2: FME		Step 2-3: FMS	Step	p 3	s	tep 4: Project Deta	ils/Feasibility		Step	4-1: Additional Pro	oject Details	Step 5			
											RFPG Allows					Sufficient Project Details	ADDITIONAL INFO FMP	STUDIES															
General Community Coun	ity Sour	ce Name Source	Source Source	Phase Damage Project Title	ed/ e Area Project Location Project Type	Project Description	Screening: Already	Related to Flood Meets Emerg Mitigation/ Need Management Goal (FPR to def	problem with DA		Exemption for not meeting;	Type of	STRUCTURAL Sufficient Data (Y/N)	NONSTRUCTURAL Sufficient Data (Y/N)	No Negative Effect (Y/N)	(BCA, Cost Estimate, Struc/Pop/Crit.Facilitie s at Risk)	Identifies Need for Engineering Evaluation	Will Identify Structures, Population, and Critical Facilities at Risk	las a Planning Level Cost Estimate (Y/N/C)	Has a Planning Level Estimated Flood Ri or Flood Reduction (Y/N) (Y/N)	Associated Goal	Associated Goal	Project Cost Projec	Operations a Maintenance	nd Benefit-Cost	Spansor Verified	Atlas 14 (Y/N/U)	FMP ONLY	FMP ONLY	Public Comment		FMP_ID	FME_ID FMS_ID
ID /Spansor Coun			Date				completed?	(Y/N) (Y/N)		(Y/N)	Problem Area Size Flood Risk Reduction (Y/N)	Exemption				(Y/N)	(Y/N/D)	(Y/N)			Types	IDs		Cost	Ratio		600 B 11	Pre-Project Level of Service	Post-Project Level of Service	Response			
				(1/0	N) Lewis Creek						(3.3)		If "No" consider FME	If "No" consider FME	If "No" consider FME	If "No" consider FME	If "No" consider FMS If "D" develop	If "No" consider FMS	"No" consider FMS f "C" calculate cost	If "No" consider FMS* If "No" consider FN	uts*					a	f "No" consider dditional FME for update						
City of	Watershed Pl	s Lewis Creek nase 2 Alternative Draina	ge	Lewis Creek Alternative 1	Main at Smithson Valley Road and Scenic Regional Channel																Structural Flood 1	12000029, 12000030,									Includes full benefit of project combines Alter		
24 Bulverde Comal	City of Bulver	de Mapping s Lewis Creek	2016	Phase 1 & 2 Y	Oak Drive Improvements Lewis Creek Main at Smithson Valley	Channel improvement, roadway improvement		· -	Y	A		-	Y	- 1		Y	-	-			Projects 1	12000033	5,468,250 2016	-	0.11	City of Bulverde N	-	•	-		- Phase 1 & 2	1	
City of 25 Bulverde Comal		nase 2 Alternative Draina	ge 2016	Lewis Creek Alt 1 Y	Road and Scenic Flood Early	High water detection system. System includes warning signs, with flashers and automatic arm barricade.	,	r -	Y	N	-			у ,		Y					Flood Warning 3 and Readiness 3	12000005, 12000006	150,000 2016	-		City of Bulverde N			-	-	Benefit Criteria Scores		
City of 26 Bulverde Comal	Cibolo Creek Holistic Mast		shed r Plan 2018	FM 1863 at Cibolo Creek LWC Replacements (2 crossings) N	Low water FM 1863 crossing Bulverde improvements	Replace low water crossings at two locations where FM1863 crossing Clb Creek with bridges.	olo	r -	U	¥	-		Υ	- 1		Y					Structural Flood Infrastructure Projects	12000033	8,000,000 2018	-		SARA N					calculated; May be abl as BCR (0.29FT Negati effect)	e to use ve 1 1	1
						2D Detailed Model Needed. LC-3: There is no existing drainage system drains the area. Regular rainfal	.																										
						causes widespread flooding, affecting roads, yards, and structures. This project proposes to analyze plan and construct a storm drain system. The project will also provide collection improvements and minor roadway.	n.																										
						drainage-scale improvements. LC-4: An existing drainage system drains the area, however the level of																											
Chuof	Cartrovilla Dr	ainage Master Draina		LC-3 – Athens Street Storm Drainage Improvements, LC-4 - Naples Street Storm Drainage	City of Castroville, Area Engineering	service is far below standard, causing widespread flooding of roads, yard and structures. This project proposes to analyze plan and construct either a replacement system or supplemental conveyance. The project will also provide	I I														Flood Studies and										More information Nee	dad	
27 Castroville Medina	Plan	Maste	r Plan 2022	Improvements Y	LC Project Planning	Collection improvements and minor roadway drainage-scale improveme Study of Flat Creek and downstream connectivity to Medina River. This proposed project will provide an updated detailed study including bo	nts. Y	r -	U	¥			N			-	Υ .	с			Analysis		C-3: \$500000 -	-		- у					- Drainage Area	1	
						current and expected ultimate watershed build-out conditions. Furthermore this project will identify at-risk infrastructure and detail																											
- /						opportunities for flood risk reduction. The project will provide mitigation plans and guidance to local governments.	nt																										
28 Castroville Medina	Castroville W	ish List Wish L	ist 2022	Flat Creek Study N	City of Hydraulic Castroville Modeling	with regard to risks due to development and outline watershed-wide solutions for planning purposes. Planned development occurring north of the City lacks a defined conveyar system and potential downstream impacts to the City.	y nce	r .	Y.	N	-			N .			- 1	r c			Flood Studies and Analysis		-	-	-	- у			-			1	
						This proposed project will provide an updated detailed study including be current and expected ultimate watershed build-out conditions.	oth																										
						Furthermore this project will identify at-risk infrastructure and detail opportunities for flood risk reduction.																											
City of 29 Castroville Medina	a Castroville W	ish List Wish L	ist 2022	New Development Study N	Hydrologic and City of Hydraulic Castroville Modeling	The project will provide mitigation plans and guidance to local governmen with regard to risks due to development and outline watershed-wide solutions for planning purposes.	nt	r .	¥	N	-			N .			. ,	r c		-	Flood Studies and Analysis					у					More Information Nee specific location. Preliminary BCR calcul	ded on	1
City of Fair 30 Oaks Ranch Bexar	City of Fair O	Maste Draina Plan	r ge 2018	7820 Rolling Acres Trail N	7820 Rolling Crossing Acres Trail Improvements	Low water crossing. Road closure gate is deployed at this crossing during large storm events.			U	Y			Y		,	N	p .			_	Structural Flood Infrastructure Projects	12000033	685.000 2018			City of Fair Oaks					specific site locations Needs to Develop BCR	.	1
City of Fair		Maste aks Ranch Master Draina	r ge		Low Water 7840 Silver Spur Crossing	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 wa	e ter														Structural Flood Infrastructure					City of Fair Oaks					Preliminary BCR calcul specific site location Needs to Develop BCR		
31 Oaks Ranch Bexar	Drainage Plan	n Plan	2018	7840 Silver Spur Trail N	Trail Improvements	crossing. Utilize existing stormwater infrastructure by regarding the roadway to slot towards existing inlets and open channels on the north and south side of	ope f	· .	U	Y	-	-	Y	- 1		N	D .	. с		-	Projects 3	12000033	690,000 2018		-	Ranch N	-			-	Calculate study cost	1	
City of Fair Oaks Ranch Bexar	City of Fair Ox Drainage Plan	Maste Draina Plan	ge 2018	29010 Tivoli Way N	Storm drain 29010 Tivoli improvements, Way infrastructure	Windermere Dr on the east side of Fair Oaks Parkway. New curb installed along the west side of Fair Oaks Parkway to convey water towards stormwater inlet would also improve collection.	'	r .	U	Y	-		у	- 1		Υ				-		12000029, 12000030	500,000 2018		6.92	City of Fair Oaks Ranch N						1	
City of Fair 33 Oaks Ranch Bexar	City of Fair O	Maste Draina Plan	r ge 2018	8410 Noble Lark Dr N	8410 Noble Lark Regional Channel Dr Improvements	Regrade channel and install erosion control measures, repair the eroded foundation of the culvert headwall		N -	U	U	-		Y	- 1		N	ь .	. с		-	Structural Flood Infrastructure 1 Projects 1	12000029, 12000030	223,066 2018	_		City of Fair Oaks Ranch N						1	1
City of Fair 34 Oaks Ranch Bexar	City of Fair O	Maste Draina Plan	r ge 2018	7900 Fair Oaks Parkway N	7900 Fair Oaks Regional Channel Parkway Improvements	Analysis needed to confirm no adverse impacts on the solution that was implemented.		r .	U	U	-		Y	- 1	,	N	D .	. с		-	Flood Studies and 1 Analysis	12000011, 12000013, 12000014	10,000 2018			City of Fair Oaks Ranch N						1	1
City of Fair Oaks Ranch Bexar	City of Fair O	aks Ranch Master Wish L	ist 2018	Ammann Road Low Water Crossing N	Road Low Water Crossing	Low water crossing runs over the street due to insufficient culverts that p under Ammann Road. Replacing the current road with an elevated concre bridge above the flood stage.	ass ete	r .	U	U	-		Υ	- 1		N	ь .	. с		-	Structural Flood Infrastructure Projects	12000033	1,124,334 2018			City of Fair Oaks Ranch N					Need to Calculate Stud and Develop BCA	ly Cost	1
City of Fair Oaks Ranch Bexar	City of Fair Ox Drainage Plan	aks Ranch Master Draina Plan Maste	ge 2018	7420 Rolling Acres Trail N		Low Water crossing moves toward home on Meadow Creek Trail. Road Closure gate is deployed at this crossing during large storm events.			U	U			Υ	- 1		N	D .	. с			Structural Flood Infrastructure Projects	12000033 S	759,566 2018	-		City of Fair Oaks Ranch N				-	Need to Calculate Stud and Develop BCA	ly Cost	1
City of Fair Oaks Ranch Bexar	Drainage Plan		2018	8402 Battle Intense N	Intense Improvements Low Water	Battle intense is often shut down in large rain events. Debris collects and damages this low water crossing		r -	U	U			Y	- 1		N	D .	. с		-	Flood Studies and 3 Analysis		3,421,454 2018	-		City of Fair Oaks Ranch N					Need to Calculate Stud and Develop BCA	1	
Olty of Fair Oaks Ranch Bexar	Drainage Plan		2018	Rolling Acres Trail LWC Flow- activated Sensors N	Trail LWC Improvements Low Water	Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road.		N -	U	U	-		N	- 1		N	р .	. с			Flood Warning and Readiness 3	12000005	400,000 2022	-		City of Fair Oaks Ranch N				-	Need to Calculate Stud and Develop BCA	1	
Olty of Fair Oaks Ranch Bexar	Drainage Plan	aks Ranch Master	2018	Battle Intense LWC Flow- activated Sensors N	LWC Improvements Education and	Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road. Identify residential structures that are located in flood zones or high haza		N .	U	U	-		N	- 1		N	ь .	. с			Flood Warning and Readiness 1	12000005 :	200,000 2022	-	-	City of Fair Oaks Ranch N			-	-	Need to Calculate Stud and Develop BCA Buyout and/or Floodpi	1	
Oty of Falls Oty Karnes	Karnes and W Hazard Mitig	Allson Counties Mitiga ation Plan Plan	tion	Inventory of residences in floodplain N	City of Falls City Guidance	areas and develop plan and implement a program for floodproofing or acquisition.		N .	U	N				N .			. ,	r c			Flood Studies and 1 Analysis	12000013,	50,000 2020	-		Karnes County HMT, SARA N					Program (Need to Calc Study Cost)	ulate 1	1
City of Falls	Karnes and W	Hazaro Alson Counties Mitiga ation Plan Plan	tion	Update flood information and	Outreach; Regulatory and	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition, elevation program based on FEMA protocol in association with SARA stud	/														1	12000021,				Karnes County					Same Study as Above (Calculate Cost); Maste Drainage Plan could	r	
41 City Karnes	Hazard Mitig	roon Man Plan	2020	poricies N		and review permitting process based on the 100-year flood event. When the San Antonio River floods, the city is cutoff from the rest of the county (hospital and EMS) with islands lasting over a week. Install stream		N -	U	N			N .				- Y	. с			Hood Prevention	12000022	200,000 2020	-		HMT, SARA N Local, County,		•			encompass this	1	
City of Falls City Karnes	Karnes and W Hazard Mitig	Alson Counties Mitiga ation Plan Plan	tion 2020	Study the San Antonio River and its tributes N	Regulatory and	gauges and develop a study to identify solutions to flooding. SARA comple a study but County officials wary due to lack of coordination and results.	eted	N -	U	N	-	-		N .			. ,	N N		y N	Flood Warning and Readiness 1	12000007	250,000 2020			TWDB, HMGP, PDM N	-	-	-		Similar to Studies Abou be FME or FMS	ve; Can	1
City of Falls 43 City Karnes	Karnes and W Hazard Mitig	Alson Counties Mitiga ation Plan Plan	tion	San Antonio River drainage ownership study N	Outreach, Natural Based	Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access areas that need flood control mitigation and erosion control	s to	N -	U	N				N			. ,	N Y		Y N	Education and Outreach	12000001	30,000 2020			Local, TWDB, SARA N					Develop Strategy Cost		1
City of Falls	Hollistic Wate Plan Wilson, Karne	rshed Master		Karnes County Damage Centers	US 181 and San																Flood Studies and 1	12000011, 12000013.									FRR calculated Needs develop BCR; May nee calculate study cost Vo	to d to	
44 City Karnes	Counties	rshed Master	2015	Karnes A N	Antonio River Infrastructure	Multiple structures at risk Within San Antonio River at US 181		r .	U	A		-	Y		-	N	D .	- с			Analysis 3	12000013,	3,659,356 2015	-	-	SARA N					Acquisition Cost Calcul FRR calculated Needs	ated 1	
City of Falls 45 City Karnes	Plan Wilson, Karne Counties		2015	Karnes County Damage Centers Karnes B N	US 181 and San Regional Channel Marcelinas creek Improvements	Multiple structures at risk Within Marcelinas Creek at US 181			U	Y			Y	. ,		N	в .	. c			Flood Studies and 3 Analysis	12000011, 12000013, 12000014	3,659,356 2015	-		SARA N			-	-	develop BCR; May nee calculate study cost Vo Acquisition Cost Calcul	d to oluntary	1
						Assess existing floodplain management ordinances and recommend									7]			Ī				City Council,	T						
City of	Karnes and W	Hazaro Alson Counties Mitiga	i tion	Enhance floodplain	Regulatory and	improvement to mitigate the flood and water quality impacts of new development and redevelopment. This can include requirements for drainage easements, water detention, road design, Base Flood Elevation																				Floodplain Manager, Planning							
46 Floresville Wilson City of	Hazard Mitiga Karnes and W	ation Plan Plan Hazaro Alson Counties Mitiga	2020 i tion	management ordinances N	City of Floresville Guidance Watershed	(BFE) height requirements, and green infrastructure Study to identify roadways that are submerged during high frequency rai events and develop and implement a flood/high water early warning systy	in em	r -	N	N	-	-	-	N		-	- 1	N -		Y N	Flood Prevention Flood Studies and	ľ	200,000 2020	-	-	Department - Engineering,			-				1
47 Floresville Wilson City of	Hazard Mitig Karnes and W	ation Plan Plan Hazaro Alson Counties Mitiga	2020 tion	Flood early warning system N Update IBC to 2015 version and enforce building codes.		to notify city, county, and first responders. The city will adopt and enforce the measures and guidelines of Internatio Building Code (IBC) 2015. This will increase the resilience of structures to	nal	,	Y N	N N			-	N .				Y Y		v	Analysis	ľ	150,000 2020	-		Planning Y City Council, City Manager, Code						1	
48 Floresville Wilson City of Floresville Wilson	Karnes and W Hazard Mities	Alson Counties Mitiga ation Plan Plan	1	enforce building codes N Floresville 2 - Drainage Improvements at identified Hazardous Crossings N	Watershed	natural hazards, in regard to Flooding. Consult SARA San Antonio River lower watershed plan and to identify an rank improvements to mitigate flooding at low water crossings and imporeliability of transportation system during hazardous events.	ove	,	Y	N				N			. ,	, ,			Flood Studies and Analysis	ļ	75,000 2020 1,000,000 2020			Engineering, Planning Y						,	1
		7.00				reliability of transportation system during hazardous events: Phase I: Undertake storm water drainage study for the City of Floresvilli protect people and property from flood events, manage the stormwater pipe system, enhance streams and floodplains, and recommend policy as	r nd											ĺ								City Manager,							
City of Floresville Wilson	Karnes and W Hazard Mitig	Alson Counties Mitiga ation Plan Plan	tion 2020	Develop and adopt a Stormwater Master Plan Y	Watershed City of Floresville Planning	regulatory enhancements. Phase II: Implement recommendations from study of most critical flood control improvements, low water crossing upgrades.		r .	Y	N				N .			. у	r Y			Flood Studies and Analysis		350,000 2020	-		Floodplain Manager, Engineering Y			-			1	1
						Designate a local floodplain manager and provide education materials online, and to real estate and insurance agencies to increase community understanding or flood insurance. Hold a town hall meeting with NFIP representatives to discuss the insurance purchase process. Enter the																											
City of	Karnes and W	Hazaro Alson Counties Mitiga	i tion		Regulatory and	Community Rating System (CRS) program to enable reduced insurance premiums within the community. The first priority is to establish a progra for public information (PPI) with a PPI committees as suggested by activity																				Floodplain							
51 Floresville Wilson City of	Hazard Mitiga Karnes and W	ation Plan Plan Hazaro Alson Counties Mitiga	2020 tion	Improve Compliance with NFIP N Water System Emergency	City of Floresville Guidance Studies on Flood	332 of the CRS coordinator's Manual. Develop an Emergency Response Plan to identify vulnerabilities in the war treatment and delivery systems and address possible water supply		· -	N	N	-			N				N .		Y N	Flood Prevention Flood Warning		20,000 2020	-		Manager - Engineering		-	-				1
52 Floresville Wilson City of	Hazard Mitiga Karnes and W	ation Plan Plan Hazaro Alson Counties Mitiga	2020 tion	Response Plan N Citizen flood education	City of Floresville Preparedness Education and	distribution or contamination scenarios. Educate citizens about mitigation strategies prior to any flood conditions, including dangers of debris flooding roads and how to best floodproof		r -	Y N	N N			-	N .			. ,	Y Y		v .	and Readiness Education and		250,000 2020		-	Department Y City Council, City			-			1	
53 Floresville Wilson City of	Karnes and W	ation Plan Plan Hazaro Alison Counties Mitiga	i tion	Property acquisition and		homes and businesses. Establish and implement a voluntary "acquisition and demolition program" "acquisition and structure relocation program", "structure elevation program" to address repetitive loss, flood prone properties. Keep lands	n",										ľ				Outreach	ľ	,000 2020			Manager, ISD - City Council,							
54 Floresville Wilson	Hazard Mitig	ation Plan Plan	2020	demolition and/or relocations N		subject to repetitive flooding in natural state in perpetuity.	I .	r .	N	N		-	ļ-	N .		-	. ,	N -		y N	Flood Prevention		1,500,000 2020	-	-	Planning	-		-				1

SARFP: FMP/FME/FMS Identification Process Table			ps defined per Task 48 Pro	ocess Outline. Refer to						C 24-5				O 22 FMF				C 2		54 4-D	and and Darbella for a statillar	p 4-1: Additional Proje	P"-		7	
SART. FWIP/FWIE/FWIS INCHILITICATION FIOCESS TABLE		Step 0			Step 1					Step 2-1: F		Sufficient Project	ADDITIONAL INFO FMP	Step 2-2: FME		Step 2-3:	FIVIS	Step 3		Step 4: Pr	roject Details/Feasibility Ste	p 4-1: Additional Proje	ect Details	Step 5		
	Phased/		telated to Flood Mee		Addresses flood	Reduces 100-year	RFPG Allows Exemption for not meeting;	STF Suff	RUCTURAL NON ficient Data Su	NSTRUCTURAL No		Details (BCA, Cost Estimate,	Identifies Need for	Will Identify Structures, Population, and Critical Facilities	Has a Planning Level Cost Estimate	Has a Planning Level Es Cost Estimate o	stimated Flood Risk or Flood Reduction				FMP ONLY Atlas 14 Operations and	FMP ONLY	FMP ONLY			
General Community ID /Sponsor County Source Name Source Type Source Date Project Title	Damage Area Project Location Project Type Project Description	Screening: Already completed?	lanagement Goal (FF	FPR to define)	roblem with DA > 1 mi^2	flood risk (Y/N)	Problem Area Size Flood Risk Reduction	Type of Exemption	(Y/N)	(Y/N)	(Y/N) St	truc/Pop/Crit.Facilitie s at Risk)	Engineering Evaluation (Y/N/D)	at Risk	(Y/N/C)	(Y/N)	(Y/N) Asso	Types IC	ed Goal Project Cost	Project Cost Date	Maintenance Reports Cort (Y/N/II)	Pre-Project Level of Service	Post-Project Level of Service	Public Comment/RFPG Response	Notes	FMP_ID FME_ID FMS_ID
-			(Y/N)	(Y/N)	(Y/N)	(-7-4)	(Y/N)					(Y/N)	If "No" consider FMS	(Y/N)	If "No" consider FMS						If "No" consider					
Hazard	(Y/N)							If "No"	" consider FME If "No	o" consider FME If "I	No" consider FME If	If "No" consider FME	If "No" consider FMS If "D" develop	If "No" consider FMS	If "C" calculate cost	If "No" consider FMS* If "	"No" consider FMS*				additional FME for update					
City of Karnes and Wilson Counties Mitigation Develop Funding Mechanism SS Floresville Wilson Hazard Mitigation Plan Plan 2020 for Flood Mitigation N	Regulatory and Implement impact fees and drainage utility fees to fund improvements to municipal drainage and flood control network.	o the	-	N	N			-	N	-				N		y N	Flood	f Prevention	\$150,000	2020	City Manager, - City Council -					1
City of Karnes and Wilson Counties Mitigation Update flood information and	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition City of Karnes Education and elevation program based on ENAM protocol in association with Shari	/ des.																1200002							Buyout and/or Floodproofing Program (Need to Calculate Study Cost); Master Drainage	
56 Karnes City Karnes Hazard Mitigation Plan Plan 2020 policies N Hazard City of Karnes and Wilson Counties Mitigation San Antonio River drainage	N City Outreach and review permitting process based on the 100-year flood event. Develop ownership and access understanding parcels fronting the San City of Karnes Education and Antonio River and major tributaries to have better agreements and acce	N N	-	U	N		-	-	N	-	-			Y	С		Flood	Prevention 1200002 ation and	2 \$100,000	2020	N N				Plan?	1
57 Karnes City Karnes Hazard Mitigation Plan Plan 2020 ownership mapping N	N Oty Outreach areas that need flood control mitigation and erosion control	N N		U	N			-	Y	-	-			N	N	N N		each 1200000	\$30,000	2020	N N				Develop Strategy Cost	1
City of Karnes and Wilson Counties Mitigation Inventory of residences in	Identify residential structures that are located in filood zones or high haz City of Karnes Education and areas and develop plan and implement a program for floodproofing or	ard															Flood	1200001 Studies and 1200001	1.		Karnes County,				Same Study as Above (Need to Calculate Cost); Master Drainage Plan could	
58 Karnes City Karnes Hazard Mitigation Plan Plan 2020 floodplain N City of Karnes and Wilson Counties Mitigation Inventory of residences in	Oty Outreach acquisition. Identify residential structures that are located in flood zones or high haz Education and areas and develop plan and implement a program for floodproofing or	ard N		U	N			-	N	-	-			Y	С			Studies and 1200001 psis 1200001 1200001 1200001 1200001		2020	HMT, SARA N Karnes County.				encompass this Need to Calculate Cost; Master Drainage Plan could	1
59 Kenedy Karnes Hazard Mitigation Plan Plan 2020 floodplain N	N Gity of Kenedy Outreach acquisition. Education and Identify and compile information on flood hazard areas and residential	N	-	U	N		-	-	N	-	-	,		N	с	Y N		rsis 1200001		2020	HMT, SARA N				encompass this	1
City of Karnes and Wilson Counties Mitigation Update flood information and	Outreach; property in flood zones, establish and implement a volunteer acquisition Regulatory and elevation program based on FEMA protocol in association with SARA stu	/ dies,																1200002	ı		Karnes County,				Similar to Study Above; Can be	
60 Kenedy Karnes Hazard Mitigation Plan Plan 2020 policies N City of Karnes and Wilson Counties Mitigation San Antonio River drainage	N City of Kenedy Guidance and review permitting process based on the 100-year flood event. Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and acce	is to							Ĺ									Prevention 1200002 ation and	3100,000	2020	HMT, SARA N Karnes County,				FME or FMS	
61 Kenedy Karnes Hazard Mitigation Plan Plan 2020 ownership mapping N Hollistic Watershed Master Plan	N City of Kenedy Outreach areas that need flood control mitigation and erosion control	N N			N				N					N	L	Y N	Struct	tural Flood	\$30,000	2020	SARA N				Develop Strategy Cost	1
City of Wilson, Karnes, and Gollad Watershed 62 Kenedy Karnes Countiles Master Plan 2015 Karnes Hwy at Escondido Creek N	This action will create a program to educate the public about specific	Y Y	-	U	γ		-	Y	-	N	N		Y		с		Infras Proje	structure cts 1200002	\$277,000	2015	SARA N				Need to develop BCA and Calculate Study Cost;	1
Multi- Hazard	mitigation actions for all hazards, including but not limited to participati NFIP, Wildfire Fuels Reduction, Structural Hardening, developing a newsletter to residents and business owners to educate and inform ther	n of																								
City of La Coste Medina Medina County HMAP Adopted Plan 2020 Public Education & Outreach N Multi-	Education and area hazards and protection and mitigation steps they can take to prote their lives and property, etc	t Y		N	N			-	N					N		y N		ation and each		-						1
City of La Medina County HMAP Adopted Plan 2020 Update/Revise Flood Maps N	This action proposes performing a new drainage analysis for the commu- to update/revise Flood Maps to better identify areas subject to this Hazz N City of La Coste Planning last study completed in September 1977.	nity rd;		γ	N		<u> </u>		N N					Υ	c	<u> </u>	Flood Analy	f Studies and		<u> </u>	<u> </u>	<u>. </u>				1
Multi- Hazard City of La Miltigation	This action proposes "wet-proofing" components of the Wastewater Treatment Plant and sewer lines to minimize/prevent infiltration of																									
65 Coste Medina Medina County HMAP Adopted Plan 2020 Wet-Proof Wastewater System N City of La Karnes and Wilson Counties Mitigation New Flood Control	N City of La Coste Flood proofing storm/flood waters. Study to determine master drainage plan construction of drainage culve watershed Watershed	rts,		Y	Y		-	N	-		-	,	Y		c	-	Flood	Prevention Studies and	-	-					Location of WWTP	1
66 Vernia Wilson Hazard Mitigation Plan Plan 2020 Infrastructure N	Watership acquisition or node prone rands for detention or retention and impleme (it of La Vernia Planning findings.)	Y Y	-	Y	N			-	N	-	-			Y	Y		Analy		\$2,500,000	2020	- Public Works Y					1
Hazard	Study to evaluate if further floodproofling needs to be done on wastew treatment plant. This WWTP is particularly susceptible to rain events an needs to be floodproofed, some floodproofling has already been done. If	d																								
City of La Karnes and Wilson Counties Mitigation Additional flood proof at Vernia Wilson Hazard Mitigation Plan Plan 2020 wastewater treatment plant N	Engineering N City of La Vernia Project Planning floodproofing does not meet the cost-benefit threshold, a new wastewa treatment plant needs to be built outside of the floodplain. More than half the land area in City of La Vernia is within the 100-year	Y	-	Y	У			N	-	-			Y		Y		Flood	f Prevention			- Public Works				Location?	1
Hazard	floodplain of Clobio Creek per the current FEMA Flood Insurance Rate M US 87 is submerged going North and South out of the city during flood events which means the fire department and EMS are cutoff from the re																									
City of La Karnes and Wilson Counties Mitigation Develop and Implement 68 Vernia Wilson Hazard Mitigation Plan Plan 2020 Stormwater Management Plan N	Watershed the city. Conduct a detailed hydrologic and hydraulic study, and from the City of La Vernia Planning results, develop a flood protection plan for Cibolo Creek.	e Y	-	Y	N			-	N	-	-			Y	Y		Flood Analy	f Studies and sis	\$1,500,000	2020	Planning, - Engineering Y					1
Hazard Hazard City of La Karnes and Wilson Counties Mitigation Witigation Plan 2020 Public education and outreach N	Implement public education and outreach programs to educate citizens about mitigation against (flood) hazards; seek partnership with county neighboring communities and San Antonio River Authority.	ν,		N	N			_	N N					N		Y N		ation and each	\$5,000	2020	Office of Emergency - Management, ISD -					1
City of La Karnes and Wilson Countiles Mittigation	Offer relocation/mitigation incentives to current flood hazard area prop Regulatory and owners; initiate a community program to acquire repetitive loss structus	erty																			- Management, ISD - Office of Emergency Management,					
70 Vernia Wilson Hazard Mitigation Plan Plan 2020 Repetitive loss properties N	N City of La Vernia Guidance identified by FEMA.	Y	-	N	N			-	N	-	-			N		N N	Flood	Prevention	Unknown	2020	- City Manager -				Benefit Criteria Scores were calculated; May be able to use	1
City of La Wilson/ Cibolo Creek Watershed Watershed Yumia Guadalupe Holistic Matter Plan Master Plan 2018 Zuehl Crossing Replacement N	Zuehl Rd. Low water crossing La crossing Versia replacement Creek (Zuehl Crossing) with a bridge.				,			v				,					Struct Infras Projes	tural Flood structure	3 \$1,400,000	2018	. SARA N				as BCR; Project on Border of City and County	
City of La Wilson/ Cibolo Creek Watershed Watershed	Low water Scull Crossing, Replace Wilson CR 347/Guadalupe CR 417 low water crossing of Cibolo																Struct	tural Flood structure							Benefit Criteria Scores were calculated; May be able to use as BCR; Project on Border of	
72 Verhal Güddülupe Holistik Master Plan Master Plan 2018 Scull Crossing Replacement N City of Leon Projects for Flood Risk in SARA Antonio Drive Drainage	N La Vernia relacement Los Reyes Creek (Crossing) with a bridge.	Y		U	Y			Y	-	Y	Y						Projet Struct	cts 1200003 tural Flood 1200002 structure 1200003	3 \$2,500,000 9,	2018	SARA N				City and County 1 Need to Develop BCA with	2
73 Valley Bexar Helotes Project List 2016 Improvements N	N at Antonio Dr Improvements Bridge at Los Reyes Creek and Antonio Dr Regional	Y	-	Y	Y			Y	-	U	N		D	-	с		Proje	cts 1200003 1200001	3 \$2,982,000	2016	N				Traffic Counts	1
City of Leon Projects for Flood Risk in SARA Detailed Study of Culebra Creek 74 Valley Bexar Helotes Project List 2016 Trib C N	Culebra Creek Watershed N Trib C Studies Detailed H&H study of Culebra Creek Trib C Unnamed Trib 3 Regional	Y	-	Y	N			Y	-	U	N			Y	Y		Analy	Studies and 1200001 psis 1200001 1200001	\$ \$65,000 1,	2016	u					1
City of Leon Projects for Flood Risk in SARA Detailed Study of Unnamed Trib 75 Valley Bexar Helotes Project List 2016 3 to Helotes Creek Trib N	to Helotes Creek Watershed N Trib Studies Detailed H&H study of Unnamed Trib 3 to Helotes Creek Trib Starting at	Y	-	Y	N			Y	-	U	N			Y	Y		Analy	Studies and 1200001 psis 1200001	\$40,000	2016	N					1
USACE	Bandera Rd Bridge to Evers road The channel will be widened to 50" in front of Raymond Rimkus Park (6' Evers Road) and then widened more from the park to the bridge.	140 Y		U	U			Y		U	N		Y	Y	с			tural Flood 1200002 structure 1200003 cts 1200003		2018	Y				Need to Calculate Study Cost	1
Hazard Karnes and Wilson Counties Mitigation Mitigate local flooding in 77 Oty of Poth Wilson Hazard Mitigation Plan Plan 2020 identified problem areas N	Regulatory and Identify problem flooding areas and implement a program to reduce N City of Poth Guidance localized flooding	N	_	U	N			N	_	_			N	Y	c		Flood	1200001 Studies and 1200001 sis 1200001	1, 3, 4 \$5,000	2020	City of Poth, ISD Police, Fire N				MDP	1
Hazard Karnes and Wilson Counties Mitigation Strengthen floodplain 78 City of Poth Wilson Hazard Mitigation Flan Plan 2020 management ordinances N	Regulatory and	N	-	U	N			-	N	_				N	N	y N	Flood	1200002 Prevention 1200002	1, \$25,000	2020	Engineering , Planning N				Ordinance Strategy	1
Hazard Karnes and Wilson Counties Mitigation	N Gly of Poth Guidance Adopt higher filosoplain standards for new development Conduct A feasibility subt that evaluates the coverage area, property Education and Outreach; technology, cost, and other local considerations. Based on study finding																Flood	f Studies and 1200001	3,		City Council,		-		Identify Emergency Warning System Locations (Could be	
79 Cley of Poth Wilson Hazard Mitigation Plan Plan 2020 Install early warning systems N Hazard Karnes and Wilson Counties Mitigation	N City of Poth Infrastructure install an emergency warning systems citywide Education and Install educational signage such as "Turn around don't drown" at high ri	N	-	U	N		-		N	-	-		-	Y	c		Analy	sis 1200001 i Warning	\$100,000	2020	Police N City, Public	-			incorporated into an MDP?)	1
80 City of Poth Wilson Haar Mitigation Plan Plan 2020 Education Signage N Hazard Milson Countries Karnes and Wilson Countries Karnes and Wilson Countries Digital signage for	City of Poth City of Poth City of Poth City of Poth Coordinate with school district to use sign on US 181 for emergency infi	N.		U	N		-	-	N	-	-		-	N	N	N N	and R	Readiness 1200000	\$5,000	2020	Works N					1
81 Otty of Poth Wilson Hazard Mitigation Plan Plan 2020 communication N Hazard Karper and Milron Counties Militarities	N City of Poth Outreach and safety directions during hazard events. Education and Alert the population through education material, media and other meth	N N		U	N			-	N	-	-			N	N	N N	and R	Readiness 1200000 ation and	\$5,000	2020	ISD, City N County, Emergency					1
82 City of Poth Wilson Hazard Mitigation Plan Plan 2020 Early warning system education N Hazard	Oty of Poth Outeach about miles of the analyses of the Controlling in	N	-	U	N		-	-	N			+		N	N	N N	Outre	each 1200000	\$5,000	2020	mgmt. N Police, Public				May need to identify crossings before installation; if not this	1
83 City of Poth Wilson Hazard Miligation Counties Mitigation Install pipe gates to close off N Hazard Miligation Plan Plan 2020 streets N Hazard Karnes and Wilson Counties Mitigation Orainage Study Marcelinas	Flood Readiness Install automated systems at low-water crossings with high rate of which N City of Pota and Resilience and Service server of the recommendation of the Resilience and Service server of the Resilience and Service server of the City of Projects; Install stream guages and identify afternatives to mitigate flooding.	y. N	-	U	N		-		N	-	-		-	N	N	N N	and R	Warning Readiness 1200000 Warning	\$250,000	2020	Works N				before installation; if not this is a Project 1	1
34 City of Poth Wilson Hazard Mitigation Plan Plan 2020 Creek and its major tributary N Hazard	N City of Poth Infrastructure Implement study findings. Phase I: Perform a study to evaluate Poth Branch Watershed - Phase II:	N N	-	U	N		-		N	-	-			Y	С	-	and R	Readiness 1200000 1200001	-	2020	Engineering, Planning N				Develop Study Cost	1
85 City of Poth Wilson Hazard Mitigation Plan Plan 2020 Build Detention Pond N	Regulatory and Purchase land and construct a drainage infrastructure facility in accorda N City of Poth Guidance with the engineering recommendations of the study.	N.E.		U	N		-		N	-				Υ	с		Analy	Studies and 1200001 psis 1200001		2020	City Council N				Develop Study Cost Calculated Flood Reduction	1
B6 City of Poth Wilson Master Plan Master Plan 2012 Creek Y	Detention basin on East Branch Regional Storage in this area would reduce downstream flooding and remove exist Proth Creek Detention structures from the FEMA floodplain	ting Y		N	у			у		N	N		D		с		Infras	tural Flood structure 1200002 cts 1200003		2015	SARA N	,		-	Ratio Need to develop BCR; May need to Calculate Study Cost;	1
Damage Center 1 Project2A&2B Wilson County Watershed Watershed — improved crossing at U.S.	Upgrade Hwy 181 crossing at East Branch Poth Additional Box Culverts to U.S. Highway 281 Crossing/Crossing Replace	nent															Infras	tural Flood structure 1200002							Calculated Flood Reduction Ratio Need to develop BCR; May need to Calculate Study	
87 City of Poth Wilson Master Plan Master Plan 2012 Highway 181 Y Ulson County Watershed Watershed Cubert Improvements at	f Creek Infrastructure with a 100-feot Bridge Section Menchaca Significant overtopping at one 3' x 5' box culvert. Improving this culvert (CR220) crossing would provide emergency access to the areas of Poth west	Y Y	-	U	U		-	A	-	N	N		D	-	c	-	Infras	cts 1200003 tural Flood structure 1200002	э.	2015	SARA N			*	Cost; May need to Calculate Study	1
88 City of Poth Wilson Master Plan Master Plan 2012 Menchaca Y Damage Center 2- Project 2	f at Poth Creek Infrastructure of Poth Creek Mosspoint Street Low water During a large storm event, access to and from residences adjacent to	Y	-	U	U		-	Y	+	N	N	-	Y	-	c	-	Projes	cts 1200003	\$198,000	2015	SARA N				Cost;	1
89 City of Poth Wilson Master Plan Watershed Master Plan Mosspoint to Sunshine Y	to FM 541 at Sunshine Drive Improvements Compromised	Y		U	U			Y	-	N	N		Y		с		Flood Analy	Studies and 1200003 sis 1200003 1200000	3, 4 \$130,000 7,	2015	SARA N				May need to Calculate Study Cost;	1
City of Karnes and Wilson Countiles Mitigation 90 Runge Karnes Hazard Mitigation Plun 2020 tributaries N	Regulatory and Guidance; N City of Runge Install steam gauges and develop a study to identify solutions to flooding timplement engineering findings to reduce and mitigate risks.	; N		,.				N N		,				Y	c		Flood	1200001 1200001 1200001 1200001	3,	2020	City Council, County, SARA, Public Works N				Gages and MDP; Calculate Study Cost	1
Hazard	Usy on nutrige anti-activitier implement engineering intensity so reduce and integrate risks. Education and Identify and comple information on flood hazard areas and residential Outreach; property in flood zones, establish and implement a volunteer acquisition.	/		Ĭ				-									coulty.	2100000			a more constitution (N				Need to Calculate Cost;	
City of Karnes and Wilson Counties Mitigation Update flood information and 91 Runge Karnes Hazard Mitigation Plan Plan 2020 policies N	Regulatory and elevation program based on FEMA protocol in association with SARA stu Otty of Runge Guidance and review permitting process based on the 100-year flood event.	dies,		u	N			-	У	U	N			Y	с		Flood	1200002 Prevention 1200002		2020	Karnes County, HMT, SARA N				Master Drainage Plan could encompass this	1
City of Karnes and Wilson Counties Mitigation San Antonio River drainage 92 Runge Karnes Hazard Mitigation Plan Plan 2020 ownership mapping N	Develop nombine and access understanding parcels fronting the San Education and Antonio Nievr and major tributaries to have better agreements and acce N Outreach Seduction and Areas that need flood control mitigation and erosion control Education and	ss to N		U	N				N					N	N	N N		ation and each 1200000	1 \$30,000	2020	Karnes County, SARA N				Develop Strategy Cost Similar to Study Above	1
City of Karnes and Wilson Counties Mittigation Inventory of residences in	Education and Outreach; Identify residential structures that are located in flood zones or high haz areas and develop plan and implement a program for floodproofling or	ard											_				Flood	1200001 Studies and 1200001	l. 3.	202-	Karnes County,				Similar to Study Above (Master Drainage Plan could encompass or Identify Specific	
93 Runge Karnes Hazard Mitigation Plan Plan 2020 floodolain N	V IChi of Russa Guidanna acquirition	I In	I.	In the	N.		t. L.	I su	I.	I.	1.	I								12020	I LIMIT SADA IN					

SARFP: FIV	IP/FME/FMS Ident	tification Pro	ocess Table			Γ	Step 0	ps defined per Task 48 Process Outlin	e. Refer to Technical Mem	10.				Step 2-1: FMP			Step 2-2: FME		Step 2-3: FMS	Ste	ep 3	Ste	p 4: Project Detail	s/Feasibility		Ster	4-1: Additional Pro	ect Details	Step 5	ĺ	
											RFPG Allows		STRUCTURAL	MONGTER OF THE AN	Sufficient I Detail	Project Is ADDITI	ONAL INFO FMP Will Identify	Has a Planning Level													
General Community ID /Sponsor	County Source Name	Source Type Sour	Phased, Damage A Project Title		n Project Type	Project Description Si		Related to Flood Meets Emergen Mitigation/ Need Ianagement Goal (FPR to define	problem with DA >	Reduces 100-year flood risk	Exemption for not meeting; - Problem Area Size	Type of Exemption	Sufficient Data (Y/N)	Sufficient Data (Y/N) No Negati (Y/N)	(BCA, CUSC E	sk)	tifies Need for Structures, Population, ering Evaluation and Critical Facilities at Risk		Cost Estimate or Flood Reduction (Y/N) (Y/N)	Associated Goal Types	Associated Goal	Project Cost Project	Operations an Maintenance Cost	FMP ONLY Benefit-Cost Ratio	Sponsor Verified	Atias 14 (Y/N/U)	FMP ONLY Pre-Project	FMP ONLY Post-Project	Public Comment/RFPG Response	Notes	FMP_ID FME_ID FMS_ID
,,,,,,,,,				_				(Y/N) (Y/N)	(Y/N)	(Y/N)	- Flood Risk Reduction (Y/N)				(Y/N	0	(Y/N/D) (Y/N)	of their consider that								If "No" consider	Level of Service	Level of Service			
			(Y/N)	North: John Page Dr South:									If "No" consider FME	If "No" consider FME If "No" con	ider FME If "No" consi	ider FME If "No	" consider FMS "D" develop If "No" consider FMS	If "No" consider FMS If "C" calculate cost	If "No" consider FMS* If "No" consider FMS	5*						additional FME for update					
				Seeling Dr./ Placid Dr. at Alazan Crk -																											
				East: St. Cloud - West: Beginning of channel at Donaldson Dr.	5																										
				(between Colleen Dr. & E. Cheryl Dr.),																											
				Seeling Blvd from Lowery Dr to Donaldson																											
		Preliminary		Ave; Placid Dr from Pardo Cir to Oriole Dr; Palm Dr from	Storm drain															Structural Flood											
Gity of San 94 Antonio	Bexar Seeling	Engineering Report 2021	Seeling Drainage Improvements Y	Oriole Ln to E Cheryl Dr. Dellwood Drive and Shadywood	improvements, Infrastructure	Install box culverts, grass lined channel construction	Y		Y	Y			Y	. у	Y	-			-	Infrastructure Projects	12000029, 12000030	\$30,790,000 2021		0.62	City of San Antonio	Υ		Reduction in 100 year flooding			1
				Lane to Oblate Drive and Barbara Drive, Dellwood Dr																											
				Dellwood Dr from Springwood Lane to		Upsizing the boxes underneath Deliwood Drive and Oblate Drive, Upsizing the boxes underneath Deliwood Drive, Enlarging the open channel, upsizing the boxes underneath portions of El Montan Avenue, Pinewood Lane and Deliwood Drive. The improvements will also include reconstruction of the														Structural Flood											
City of San Antonio	Bexar Barbara Drive Drainage Stu	CoSA udy Project List 2021	Barbara Drive Drainage Improvements Y	Shadywood Lane, Thames Dr	improvements,	between the first improvements will also include reconstruction to the street and curb for the portion of Dellwood Drive and Oblate Drive within the project boundary	4		Y	Y	-		Y	. Y	Y	-			-	Infrastructure Projects	12000029, 12000030	\$29,362,000 2021	-	0.04	City of San Antonio	γ	Less than the 25 year	Convey the 25 year and reduce the 100 year			1
City of San	Thames Drainage Channel	CoSA	Thames Drainage Channel	Channel from Blanco Rd to Langton Dr	Storm drain	Replace the existing culverts at Blanco Rd., San Pedro Ave, Thames Dr.															12000029, 12000030	\$30,590,000 2016		0.00	City of San			At least the 100 area			.
96 Antonio	Bexar Improvements	Projectist 2016	Replacement - Alt 1 N	Channel from Loop 410 to	improvenens	Private Dr and Dorset.														Projects Structural Flood	12000030	330,330,000 2016		UUS	Antonio	N.	Less than the 100 year	At least the 100 year			
Gity of San Antonio	Bexar Rock Creek - Alt 1	CaSA Project List 2016	Rock Creek - Alt 1 N	Olmos Creek (NSM) Symphony Lane	Infrastructure	Reducing the height of the drop structure at the Olmos Creek outfall, Bridge replacements will be required for both the railroad crossing and West Ave.	¥		Y	Y	-		Y	. Y	Y	-			-	Infrastructure Projects Non-Structural	12000029, 12000030	\$15,860,000 2016	-	0.1	City of San Antonio	N	Less than the 100 year	100 year			1
City of San Antonio		CoSA Project List 2019		& E Pyron Ave to SE Military	acquisition	Purchase 32 properties located west of the San Antonio River Symphony Reach, and along Pyron Ave and Symphony Lane.	Y	-	у	Y	-			у у	Y				-	Infrastructure Projects Structural Flood	12000025	\$36,730,520 2022	-		City of San Antonio	N				Buyout project.	1
Gity of San 99 Antonio		ct CoSA Project List 2016	Judson and Lookout LWC Improvement N	Judson Intersection Woodburn Rd to	Low water crossing, Infrastructure	Upgrade the low water crossings and the connecting/downstream channel	Y		Y	Y	-		Y	. у	Y	-			-	Infrastructure Projects Structural Flood	12000029, 12000030	\$5,665,138 2016	-	0.9	City of San Antonio	N	Less than 100 year	100 year		Parlant dans and assessment	1
City of San Antonio	Holbrook Road Preliminary Bexar Engineering Report	y Engineering Report 2021	Holbrook Road Improvements N	approximately	n Infrastructure	Offset a portion of the roadway south of Woodburn Rd	Y	-	¥	U	-		Y	. у	Y				-	Infrastructure Projects Non-Structural	12000033	\$16,250,000 2022	-	0.01	City of San Antonio	Y	Less than 100 year	100 year		Project does not remove homes from the floodplain but gives unflooded access	1
City of San 101 Antonio	Bexar Shady Lane Buyout Narrath	CoSA Project List 2019	Shady Lane Dr. Buy-Outs N	Shady Lane Drive	Property e acquisition	This project consist primarily of property buy-outs within the floodplain to mitigate structural flooding to those properties.	Y		Y	Y			-	Y Y	Y	_				Flood Infrastructure Projects	12000025	\$1,453,880 2022		0.2	City of San Antonio	N				Buyout project.	1
City of San	Leon Creek Watershed Mas	ster Watershed	Huebner Creek/Huebner Creek	Rd and Apple Green Rd.	Regional	Construction of a Regional Storm Water Facility (RSWF, detention basin) on approximately 35 Acres (ROW to be acquired) at confluence of Huebner and														Structural Flood Infrastructure	12000029,				City of San					FRR Calculated may need to develop BCR and Calculate	
102 Antonio City of San	Bexar Plan Phase 3 Cibolo Creek Watershed	Master Plan 2011	Trib. A RSWF (Eckhert RSWF) N Upper Martinez Creek	south of Eckhert	Low water crossing	Tributary to Huebner Creek. With approximately 100 acre-feet of storage Improvements to already channelized section of Martinez Creek (Cibolo	Y	-	U	U	-	-	Y	- У	N	D	- 0		-	Projects Structural Flood Infrastructure	12000030	\$19,401,969 2010	-	-	Antonio	N				study cost Benefit Criteria Scores were	1
103 Antonio City of San	Bexar Holistic Master Plan Medina River Holistic	Master Plan 2018 Watershed	Improvements N D/O Center A (Old Pearsall road	Woodlake Pkwy Old Pearsall Road 410	Infrastructures	Watershed] from Montgomery Dr to Walzem Rd and bridge improvements at Glbbs Sgrawl Road Did Pearsall Rd overtopping at Medio Creek Bridge and backwater conditions created from Rallroad Bridge DS Old Pearsall rd.	Y		U	A			Y	. у	Y	-			-	Projects Flood Studies and	12000029 12000011, 12000013,	\$4,000,000 2018	-		SARA	N				calculated; May be able to use as BCR Need to Develop BCA; and	1 1
104 Antonio City of San	Bexar Watershed Master Plan Medina River Holistic	Master Plan 2015 Watershed	at Medio Creek) N D/O Center M (Oak Island	HWY 1604 East of Somerset	Regional Channe	el Oak Island Drainage Improvements. Culvert upgrades at two locations on	Υ	-	у	Y	-		Y	- N	N		Y Y		-	Structural Flood Infrastructure	12000014	\$17,830,000 2015	-		SARA	N.				Calculate Study Cost; Need to update with more information; May need to	1
105 Antonio City of San	Bexar Watershed Master Plan	Master Plan 2015	Community) Y Development of a Streamscaping Program for Flood Risk Management in	San Antonio		Oak Island Dr and 1604 with channel work: Incresse the number of public outreach and education activities to improve awareness of flood hazards and benefits of flood planning in the Flood Planning Region. Promote nature-based solution training to enable greater	,		U	*			Y		N.					Projects Education and	12000030	53,889,346 2015			SAKA	N				Calculate Study Cost;	1
106 Antonio		Wish List 2022	Texas N Culebra Creek NWWC with Culebra Road Bridge	River Basin Just upstream of	Outreach f Bridge	participation in flood risk/mitigation decisions.	Α		N	N	-		N			N	-		Y Y	Outreach Structural Flood	12000001	\$129,000 2022	-		SARA	N				(\$129,000) Proposed Budget FRR Calculated (0.22); Need to	1
City of San 107 Antonio	Leon Creek Watershed Mas Bexar Plan Phase 3	2011	Improvements (Damage Center 4) N	Old Grissom Road Located along Culebra Creek	Improvements; Infrastructure	A basic trapezoidal channel with side slopes of 3:1 along with upgrades on the Culebra Road Bridge.	Y	-	U	A	-		У	- N	N	D	- 0		-	Infrastructure Projects	12000029	\$23,700,000 2010	-	-	CoSA	N				calculated BCR. May need to calculate study cost	1
City of San	Leon Creek Watershed Mas	ster	Culebra Creek Tributary A at Tezel Road Enhanced	Tributary A between Dover Ridge and Tezel	Regional Channe	el Increasing the flow area by widening the channel and increasing its side														Structural Flood Infrastructure										FRR Calculated (0.1); Need to calculate BCR; May need to	
108 Antonio City of San Antonio	Leon Creek Watershed Mas	2011 ster 2011	French Creek at Guilbeau Road NWWC Y	Downstream of	Improvements	A basic trapezoidal channel with side slopes of 3:1, representing an earthen channel	Y		U	Y	-		Y	- N	N N	-	γ (:		Structural Flood Infrastructure Projects	12000029	\$9,310,000 2018			CoSA	N N				calculate study cost FRR Calculated (0.12); Need to develop BCR; May need to calculate study cost	1
City of San 110 Antonio	Leon Creek Watershed Mas	ster 2011	French Creek RSWF Y	Upstream of Loop 1604 on French Creek	Infrastructure	An on-channel RSWF provides approximately 150 acre-feet of storage	Y		U	Y	-		γ	- N	N		Y		-	Structural Flood Infrastructure Projects Structural Flood	12000029	\$18,246,000 2018	-		CoSA	N				FRR Calculated (0.09); Need to develop BCR; May need to calculate study cost FRR Calculated (+0.46);	1
City of San Antonio		2011	Helotes Creek at Bandera Road Enhanced Conveyance N	Bandera Road West of Texas	Improvements	el Channel modifications were designed as a basic trapezoidal channel with side slopes of 3:1	Y	-	U	N	-		Y	. N	N	D	- 0	:		Infrastructure Projects Structural Flood	12000029	\$2,416,000 2018		-	CoSA	N				Need to develop BCR; May need to calculate study cost FRR Calculated (1.71);	1
City of San Antonio City of San	Bexar Plan Phase 3	2011	Helotes Creek RSWF N Leon Creek at Grissom Road	Highway 16 and Loop 1604N North of	Infrastructure	An off-channel RSWF provides approximately 3330 acres-ft oof storage. el A combination of selective clearing and Channel modifications were	Y	-	U	Y			У	- У	N	-	Y C	:		Infrastructure Projects Structural Flood Infrastructure	12000029	\$8,493,000 2018	-		CoSA	N				Need to develop BCR; May need to calculate study cost FRR Calculated (0.17); Need to develop BCR; May	1
113 Antonio		2011	Enhanced Conveyance N Leon Creek NWWC with Ingram		Improvements	designed as a basic trapezoidal channel with side slopes of 3:1 A basic trapezoidal channel with side slopes of 3:1, representing	Y		U	Y		-	У	. у	N	D	- 0			Projects	12000029	\$20,200,000 2010	-	-	CoSA	N	•		-	need to calculate study cost	1
City of San Antonio		ster 2011	Road Bridge Improvements (LC- 8) and Huebner Creek Flood Protection Barrier (LC-17) N	upstream of Ingram Road Along Leon		an earthen channel. This project includes proposed upgrades to Ingram Road el and a proposed Flood Protection Barrier between Ingram Road and Culebra Road	Y	-	U	У	-		У	. у	N	D	- 0	:	-	Structural Flood Infrastructure Projects Structural Flood	12000029	\$27,700,000 2010			CoSA	N				FRR Calculated (0.19); Need to develop BCR; May need to calculate study cost	1
City of San Antonio	Leon Creek Watershed Mas Bexar Plan Phase 3	ster 2011	Quarry at the Rim RSWF N	Creek and	Infrastructure	Off Channel RSWF	Y	-	U	U	-		Y	. U	N	-	Y C	:	-	Infrastructure Projects	12000029	\$2,800,000 2010			CoSA	N					1
City of San	Leon Creek Watershed Mas Bexar Plan Phase 3	ster 2011	Leon Creek at IH-10 NWWC N	Downstream IH	Regional Channe Improvements	Channel modifications were designed as a basic trapezoidal channel with side slopes of 3-1, representing an earthen channel. Throughout the NWWC el modifications, the left overhank was held to its existing location with all excavation extending to the parcel limits within the right overbank	Υ.		U	Y		_	Y	. 0	N		Υ			Structural Flood Infrastructure Projects	12000029	\$37.500.000			CoSA	N					1
																														FRR Calculated May need to Develop BCR and calculate study cost. May need to re-	
City of San 117 Antonio	Salado Creek Watershed Bexar Master Plan Report-Phase :		Damage Center 3-Lorence Creek N		Regional Channe	Approximately 10,000 feet of channel improvement. The proposed drainage el improvements reduces the occurrence of structural flooding in several areas along the banks of the creek.	у	-	Y	Y			Υ	. Y	N	D	-	:		Structural Flood Infrastructure Projects	12000029	\$7,040,000 2011			CoSA	N				assess the need and regroup on the approach due to community members LOMR Fees includes in Cost	1
			Damage Center 5. Salado Pro-li	Extends from Classen Road to the north to		el Approximately 4,487 feet of channel improvements as well as constructing														Structural Flood										FRR Calculated May need to Develop BCR and calculate study cost LOMR Fees	
118 Antonio	Salado Creek Watershed Bexar Master Plan Report-Phase	1 Report 2011	Trib F N	Oaks Drive Downstream of Windway Drive;	Improvements	two infiline reservoirs. A proposed combination of regional detention and channel improvement to reduce flooding on Walzem Creek. Conveyance improvements were used to	Y		Y	Y	-		Y	. у	N	D	- (:		Projects	12000029	\$20,860,000 2011	-	-	CoSA	N		я		included in cost FRR Calculated May need to	1
City of San Antonio	Salado Creek Watershed Bexar Master Plan Report-Phase	Master Plan 1 Report 2011	DC13/14: Walzern Creek N	between Judivar and Walzem Road On the east side	Regional	reduce peak flood stages downstream of Windway Drive and upstream of Judivan, while offline detention was used to offset any downstream peak flow rates	Y		Y	Y			Y	. ү	N	D	- 0	:	-	Structural Flood Infrastructure Projects	12000029	\$5,438,000 2011		-	CoSA	N				Develop BCR and calculate study cost LOMR Fees included in cost	1
				of San Antonio upstream of Gibbs Sprawl																											
City of San 120 Antonio	Salado Creek Watershed Bexar Master Plan Report-Phase :		DC17: Rittiman Creek N	Road and just north Lou Kardon Memorial Park	Low water crossing	Improvement to the railroad crossing that will reduce the existing structure's head loss. Also recommended is additional floodplain storage, in the form of inline detention that will help to also mitigate any downstream peak flow impacts; created by the railroad crossine improvements.			*	v			v		N .	, and				Structural Flood Infrastructure Projects	12000029	\$3.333.000 2011			CoSA	N				FRR Calculated May need to Develop BCR and calculate study cost LOMR Fees included in cost	,
City of San	Salado Creek Watershed Bexar Master Plan Report-Phase	Master Plan		Along martin Luther King Dr and IH 10	Regional Channe Improvements	impacts created by the railroad crossing improvements 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	Y		Y	Y	-		γ	. U	N	D	- 0		-	Projects Structural Flood Infrastructure Projects	12000029	\$15,368,000 2011	-		CoSA	N					1
City of San	Salado Creek Watershed	Master Plan	DC20: Rosilio Creek Unnamed	Along Diane Road between	Low water															Structural Flood Infrastructure											
122 Antonio			Tributary 1 N	and Loop 410 Rigsby Avenue and E.	Improvements	Upgrade Diane Road and construct drainage improvements	Y	-	Y	N	-	-	Y	- U	N	-	Y		-	Projects	12000033			-	CoSA	N		-	-		1
				Southcross Boulevard on the north and south Pecan		Will consist of raising Roland Ave above the 1% chance rainfall events'																									
City of San	Salado Creek Watershed Bexar Master Plan Report-Phase :	Master Plan	DC26: Salado Creek, Downstream of IH 10 N	Valley Drive and S WW White Road on its west and east sides	t	water surface elevation crossing over Salado Creek. Roland Rd will be realigned to improve the sharp curves in this area. This project ties into the South Salado Creek							v		No.					Structural Flood Infrastructure Projects	12000070				CoSA	N					
123 Antonio	Phil Reput-Phase	_ mepors 2011	N N	Bound by Interstate 10 to		Greenway Project				Ĭ								-		/ ropeca	2000023					-					*
				Jackson Road to the west, West Avenue to the	Regional Channe	el The downstream culvert system creates a backwater which will																									
City of San 124 Antonio	UPPER SAN ANTONIO RIVEI Bexar MASTER PLAN	R Master Plan Report 2013	Damage Center 2- Martinez Creek N	east, and	Improvements o and Property	continue to affect properties near the inlet of that structure. Improved channelization and culvert/bridge replacement and voluntary property acquisition	Y	-	Y	Y			Y	. U	N		γ (:		Structural Flood Infrastructure Projects	12000029	\$24,061,300 2018			CoSA	N				Need to Calculate Study Cost	1
				Upstream of Garza Park to approximately 780 feet		A channelization option was considered only for the area upstream of the pedestrian bridge, adjacent to Garza Park.														Structural Flood											
City of San 125 Antonio	UPPER SAN ANTONIO RIVEI Bexar MASTER PLAN	R Master Plan Report 2013	Damage Center 3- Zarzamora Creek N	downstream of	Regional Channe	el The proposed earthen channel would begin upstream of the pedestrian bridge and end approximately 780 feet downstream of Ingram Road	Y		U	Y			Y	. U	N		Y			Infrastructure Projects	12000029	\$11,240,000 2018		-	CoSA	N				Need to Calculate Study Cost	1

SARFP: FMP/FME/FMS Identification Process Table			*Steps defined per Task	k 48 Process Outline. Refe	er to Technical Memo.				Step 2-1: FMP		Step 2-	: FME	Step 2-3: FMS	Ste	р 3	Ste	p 4: Project Details/	Feasibility		Step 4-1: Additional F	roject Details	Step 5	7	
						RFPG Allows Exemption for not		STRUCTURAL NO	NSTRUCTURAL No Negativ	Sufficient Pro Details	Willid	ntify Has a Planning Le		Risk				FMP ONLY	Atlas 14					
General Community D //gonore Source Name Source Type Date Project Title	Project Location Project	t Type Project Description	Screening: Already completed? Related to Flood Mitigation/ Management Goal	(FPR to define)	Addresses flood problem with DA > 1 mi^2 flood risk (Y/N)	meeting; - Problem Area Size - Flood Risk Reduction	Type of Exemption		(Y/N) (Y/b	Struc/Pop/Crit.i) at R (Y/N/D)	Facilities sk (Y/N/C)	Cost Estimate or Flood Reduct (Y/N) (Y/N)	Associated Goal Types	Associated Goal	Project Cost Project C	Operations and Maintenance Cost		ssor Verified (Y/N/U)	FMP ONLY	FMP ONLY Post-Project Level of Service	Public Comment/RFPG Response	Notes	FMP_ID FME_ID FMS_ID
(7/2)	-		(Y/N)	(Y/N)	(Y/N) (Y/N)	(Y/N)		If "No" consider FME If "N	o" consider FME If "No" cons	(Y/N) sider FME If "No" conside			MS if "No" consider FMS" If "No" consider F	FMS*					If "No" consi additional FM	der E for	Level of Jel vice			
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 4- Agache	West Woodlawn Avenue and	Majority of the flooding is caused by the undersized culverts downstream of West Woodlawn, providing addition of box culverts will provide adequate												Structural Flood Infrastructure					update					
126 Antonio Besar MASTER PLAN Report 2013 Creek N	northwest 36th Infrastruc IH-10 near Fresno Drive and exit back under	ture capacity to the existing storm drain system	Y		U Y		A	,	U	N	- Y	C		Projects Non-Structural	12000029 \$1	1,660,000 2013		- CoSA	N		*	-	Need to Calculate Study Cost	1
Chy of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 6- Martinez Report 2013 Creek N	IH-10 near West Summit Property Avenue acquisitio Commerce	in funding scenarios	Y	- 1	U Y		-	. Y	¥	N	D -	с		Flood Infrastructure Projects Non-Structural	12000025 \$3	1,453,300 2013		- CoSA	N			-		1
City of San LUPPER SAN ANTONIO RIVER Master Plan Damage Center 7- Zarzamora Antonio Besar MASTER PLAN Report 2013 Creek N	Street and North General Property McMullen acquisitio Downstream of General	Based on the value of the homes within this damage center, VPAs appear to be a practical option that may be well received	Y	- 1	у у			. У	У	N	D -	С		Flood Infrastructure Projects	12000025 \$1	1,425,000 2013		- CoSA	N.					1
	McMullen near Rosedale Park to downstream of													Structural and Non-structural										
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 8 - Apache 129 Actionio Besar MASTER PLAN RESORT 2013 Creek N	Chihuahua Regional (Channel Flooding associated with Apache Creek and Zarzamora Creek. Improved channelization on Zarzamora creek and dredging of Elmendorf lake.	Y	- 1	U Y		Y		¥	N	D -	c	-	Infrastructure Projects Structural and Non-structural	12000029 \$6	,039,000 2018	-	- CoSA						1
City of San UPPER SAN ANTONIO RIVER Master Plan 130 Actionio Besar MASTER PLAN Report 2013 Damage Center 9 - Alazan Creek N	Comal and San Marcos Regional (Streets Improvem Loop 410 on the	Channel severe flooding upstream of South Colorado Street, where the majority of the buildings flood during the 10&50 yr. Channel improvements	Y	- ,	у		У		У	N	D -	c		Flood Infrastructure Projects	12000029 \$6	3,081,000 2018		- CoSA	N			-		1
City of San UPPER SAN ANTONIO RIVER Master Plan 1311 Antonio Benar MASTER PLAN Report 2021 Damage Center 14- Airport Trib IN	north side and US 281 on the east and south Property side acquisitio		Y		U Y			. у	¥	N	D -	c	-	Non-structural Flood Infrastructure Projects	12000025 \$3	0,290,000 2021		- CoSA	u		-	-	Need to Calculate Study Cost; FRR provide need BCR	1
		Laredo Street, which is a heavily trafficked road providing access to IH-10. A lateral detention project is recommended												Structural and										
Only of San	From San Pedro Detention Creek to North drain Laredo Street. improvem Fredericksburg	to reduce the Camaron Street spill which will also provide some minor relief to the storm sewer surcharges at West Elmira Street, Cadwallader Street, Marshall Street, and Hill street.	¥		N Y		У		¥	N	D .	с		Non-structural Flood Infrastructure Projects	12000029 \$1	2,454,000 2021		- CoSA	¥				Need to Calculate Study Cost; FRR provide need BCR	1
	Road to the north, Interstate 10 to the east, Culebra Road to	A significant number of houses within this damage center flood during the LON AC storm event. Lateral detention is a viable alternative for this												Structural and										
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 20-Matinez 133 Actionio Benez MASTER PLAN BROTT 2013 Creek N	the south, and North Calaveras Detention Street to the Regional (project and could be used in conjunction with VPA, and reduced channelization, to meet the desired outcomes	, v				,	,		N				Non-structural Flood Infrastructure Projects	12000029 \$6	3 987 000 2018		. CoSA	N					
	The project area is from Broadway Street at Burr Road																							
Chy of San UPPER SAN ANTONIO RIVER Muster Plan Braunfels, Austin Hwy,	north to New Braunfels Avenue at Nottingham Storm Dra	Reduce regional flooding and remove secure safe passage during 100 yr. event. Utilizes a combined regional and local trunkline of 4'x4' and new												Structural and Non-structural Flood Infrastructure										
134 Aetonio Besar MASTER PLAN Report 2013 Broadway Drain N	Antonio River Updates;	nent outfall near Patterson Avenue. there are residential lots that abut the top of bank of the creek, the floodlajin limits of the effective DFIRM model are incorrect based on the DFIRM hydrology if the	Y	- 1	Y Y		Y	· ·	A	N	D -	c		Projects Structural and Non-structural	12000029 \$5	3,405,000 2018		- CoSA	N					1
Chy of San Lipper SAN ANTONIO RIVER Master Plan Damage Center 31-Rockwood N Report 2013 Creek N	and east of Hydraulic US37 Modeling Vickers Avenue	significantly less than the DFIRM flows	5				Y			-	. У	N		Flood Infrastructure Projects	12000029	-		- CoSA	U				Need to Calculate Study Cost;	1
Only of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 32-Six Mile NASTER PLAN Report 2013 Creek N	on the north side and by I-35 on south side From Hot Wells Regional Watershe Studies	Normoyle Ditch, it is recommended that the required drainage structures be reanalyzed. The culvert system under IH-37 and Hillje Street is severely undersized,	Y	- 1	у у		Y		U	N	- У	С		Flood Studies and Analysis Structural and Non-structural	12000013, 12000014 \$1	5,630,700 2013		- CoSA	U		*		Need to Calculate Study Cost;	1
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 34-State 137 Antonio Besar MASTER RAN Roport 2013 Hospital Creek N	Blvd across IH- Detention 37 to sally gay Regional (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 the 1% annual chance storm event floodplain. There are a total of 19 lots in the 100-year floodplain with flood	Y	- ,	γ γ		Y		U	N	- у	c		Flood Infrastructure Projects	12000029 \$5	,716,000 2018		- CoSA	N				Need to Calculate Study Cost;	1
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 37-Olmos	north of Loop 410 in the Castle Property	depths that range from 0.03 to 3.25 feet. Eight of the lots have 100- year flood depths greater than 2 feet. The lots have the potential to be converted into trails, a park, community gardens, or Low Impact												Non-structural Flood Infrastructure										
138 Actonio Beuar MASTER PLAN Report 2013 Creek Middle Reach N	Hills area acquisitio Jackson Keller Road and West Avenue just		Y		U Y	-	-	. у	Y	N	- A	C		Projects	12000025 \$3	,526,800 2013		- CoSA	N				Need to Calculate Study Cost;	1
Chy of San UPPER SAN ANTONIO RIVER Muster Plan Creek Lower Reach Near	downstream of the confluence Elevation of Rock Individual Creek and Structures	the depth of flooding ranges between 0.10 and 0.15 feet. Flood depths												Structural and Non-structural Flood Infrastructure										
139 Antonio Besar MASTER PLAN Report 2013 Montview N	Jackson Keller Road and	Antonian High School is just downstream of this	Y	- 1	U Y			. у	A	N	- ү	C		Projects	12000029 \$4	07,544 2013	*	- CoSA	N	-			Need to Calculate Study Cost;	1
City of San UPPER SAN ANTONIO RIVER Master Plan Creek and Olimos Creek Est		I 100-year storm event. Flood-proofing appears to be a practical approach for these properties. Flood-proofing/Elevating structures appears to be a												Structural and Non-structural Flood Infrastructure										
1460 Antonio Bener MASYER FLAN Report 2013 Channel N Chyor San UPPER SAN ANYTONIO RIVER Master Plan Damage Center 40-San Antonio	Bound on the east side by S. Presa St and downstream of Property	practical approach for these properties 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	T T		U Y				*					Projects Non-structural Flood Infrastructure	12000029 53	90,530 2013		- COSA	N		*		Need to Calculate Study Cost;	
161 Aetonio Besar MASTER PLAN Report 2013 River OS Reach near Roosevelt N	Mission Road. acquisitio This damage center is between	on continue the park area along the river	Y	-	U Y			. У	¥	N	. у	c		Projects	12000025 \$1	1,963,300 2018	-	- CoSA	N				Need to Calculate Study Cost;	1
Chy of San UPPER SAN ANTONIO RIVER Muster Plan Creek Middle Reach near	DeZavala Road and Huebner Road to the east side of Lockhill- Property	The depth of flooding for the 100-year event ranges between 0.10 and 3.82												Non-structural Flood Infrastructure										
142 Antonio Besar MAGTER PLAN Report 2013 DeZavala N	Selma Road acquisitio S. Blue Wing Road on the south and Southton Road	in feet, therefore, buyouts do not appear to be a practical solution This area consists of large agricultural lots. Buyouts appear to be the best option since the entire damage center is in the floodolain. The area can be converted to a	Y		U Y			· Y	Y	N	- Y	c		Non-structural	12000025 56	33,500 2013		- CoSA	N		*		Need to Calculate Study Cost;	
City of San UPPER SAN ANTONIO RIVER Master Plan Damage Center 44-San Antonio 143 Antonio Besar MASTER PLAN Report 2013 River Year Center Road N	on the north Property east acquisitio	recreational water park area or pavilions to encourage biking and	Y	- 1	U Y			. у	¥	N	- Y	c	-	Infrastructure Projects Structural and Non-structural	12000025 \$4	,983,650 2013		- CoSA	N	-	-		Need to Calculate Study Cost;	1
City of San 144 Antonio Benar Project Summary Sheet Quadsheet - Mahncke Park Outfall N	Watershe Broadway at Studies; Funston Infrastruc	backwater conditions. This project proposes drainage improvement to watershed SA4. To reduce clogging and increase efficiency.	Y		U		У		U	N	- У	Y		Flood Infrastructure Projects Structural and	12000029 \$2	5,000	-	- CoSA	N		*		Need to Calculate Study Cost;	1
City of San Antonio Benar Project Summary Sheet Quadsheet 2020 Balcone Rd. N	Spencer lane Infrastruc	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.	Y		U		Y	, .	U	N	- Y	Y		Non-structural Flood Infrastructure Projects Structural and	12000029 \$3	15,000		City o	if San nio TCI U				Need to Calculate Study Cost;	1
City of San LIWC #34 Sleepy Hollow @	Low wate Sleepy Hollow @ Crossing	This project requires the placement culverts or a bridge to eliminate a low						_						Non-structural Flood Infrastructure	12000029,	5.000		City o						
146 Antonio Benar Project Symmany Sheet Quadsheet 2022 Sorburst N	From Scenic intersection to 400' South on Vance Jackson;	white stoke makes as a vagor ESS.			- 0		Y			100		,		Projects				- Antor					Need to Calculate Study Cost;	
City of San LWG41 Vance Jackson 200ft	200' channel upstream and downstream Low Wate	er Low Water Crossing needs Bridge/Culvert Improvements with possible 8 Bridge advanced warning signals. Associated street reconstruction to include curbs,												Structural and Non-structural Flood Infrastructure	12000029,			CoSA Work	Public s					
147 Antonio Benar Project Summary Sheet Guadaheet 2010 south of Scenic N	Jackson Improvem Bounded by Northwest 26th Street, West	nents sidewalks, and driveway approaches be incorporated into the project. The Elmendorf Lake Dam area is prone to flooding and will require an	¥.	- 1	U U	-	¥	-	U	N	- ¥	Y		Projects	12000033 \$3	5,000	-		rtment N				Need to Calculate Study Cost;	1
City of San 148 Antonio Besar Project Summary Sheet Quadsheet 2019 Lake Dam N	Commerce and Regional Southwest 19th Watershe Street Studies	extensive drainage project to mitigate the floodplain. A Preliminary d Engineering Report (PER) will need to be provided to assess a feasible solution This project requires the replacement of existing low water crossing on	Y		U U		Y		U	N	- Y	Y		Flood Studies and Analysis	12000013 \$3	50,000		- City o	of San nio TCI U	-	-		Need to Calculate Study Cost;	1
City of San	Low Wate	Bridge approaches, curbs, and sidewalks as required. Requires downstream										-		Structural and Non-structural Flood Infrastructure	12000029,									
149 Antonio Besar Project Summary Sheet Quadisheet - Overbrook N	Overbrook Improvem	nents improvements Er Low Water Crossing needs Bridge/Culvert improvements(10 ~ 8x5 MBC) with	y Y		U		Y		U	N	- Y	Y		Projects Structural and Non-structural Flood	12000033 \$5 12000029,	u,u00	-	-	N	-	-		Need to Calculate Study Cost;	1
City of Sam Antonio Besar Project Summary Sheet Quidsheet - Way, E. of Boddy Allen N	Bobbie Allen Improvem	¿ Bridge possible advanced warning signals. Associated street reconstruction to include curbs and pavement be incorporated into the project. 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	Y		U	-	У		U	N	- Y	Y	-	Infrastructure Projects Structural and Non-structural Flood	12000029, 12000033 \$3	5,000	-	-	N		-		Need to Calculate Study Cost;	1
City of San New Sulphus Springs – East of Ne Antonio Benar Project Summary Sheet Quadsheet 2019 4cd Rd New Sulphus Springs – East of Ne	New Sulphur Crossings; Springs Rd - Improvem	; Bridge deemed to not be cost defective given the location and the amount of traffic traversing the area.	¥		U		Y		U	N	- Y	Y		Infrastructure Projects Structural and Non-structural	12000029, 12000033 \$3	5,000	-	- City o					Need to Calculate Study Cost;	1
City of San 152 Antonio Bevar Project Summary Sheet Quaddheet 2019 Gardner & Cardner & Cardner & Cardner & Cardner & Cardner & Cardner & No	Springs Rd 1- Bridge mile East of S. Improvem	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	Y Y	- 1	U		Y		U	N	- Y	У	-	Flood Infrastructure Projects Structural and	12000029 \$3	is,000		- City o	of San nio TCI U		-		Need to Calculate Study Cost;	1
City of San Lixi Shorinia Benari Project Summary Sheet Quadsheet 2019 Nd - East of Seck Nd N	Approximately 240 LF east of Beck Rd. Infrastruc	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. ture The proposed street reconstruction will not include sidewalks or curbs.	Y	-	U		Y	, .	U	N	- Y	Y		Non-structural Flood Infrastructure Projects Structural and	12000029 \$3	15,000		City o	of San nio TCI U				Need to Calculate Study Cost;	1
City of San	Southton Rd 0.5 mile West of	The proposed project will replace the existing culvert system with a bridge								_				Structural and Non-structural Flood Infrastructure	12000020	5.000		City o	of San				Need to Coloniate F	
The state of the s	- Immediac	approximately 1500' in length.			, I'v		1,4		12	la.	- "			1 - alphane				I writter		- 1			Need to Calculate Study Cost;	

SARFP: FM	P/FME/FMS Ident	tification Pro	ocess Table				Step 0	eps defined per Task 48 Process Ou	tline. Refer to Technical Me	10.		1		Step 2-1: F	MP		Step 2-2: FME	:	Step 2-3: FMS	Ste	ep 3	Step 4: Project Details,	Feasibility	Ste	ep 4-1: Additional Pro	ject Details	Step 5]	
											RFPG Allows		STRUCTURAL	NONSTRUCTURAL No.		Sufficient Project Details	STUDIES DDITIONAL INFO FMP Will Identify	Use a Disperior Local	Has a Planning Level Estimated Flood Ris										
General Community	County Source Name	Source Type Source	Phased/ Damage Are	na Project Location	n Project Type	Project Description	Screening: Already	Related to Flood Meets Emer Mitigation/ Need fanagement Goal (FPR to de	gency Addresses floo problem with DA ine) mi^2	Reduces 100-year flood risk		Type of	STRUCTURAL Sufficient Data (Y/N)	Sufficient Data No	Negative Effect (Y/N)	(BCA, Cost Estimate, Struc/Pop/Crit.Facilitie I s at Risk)	Identifies Need for Structures, Population ingineering Evaluation and Critical Facilities at Risk	Cost Estimate (Y/N/C)	Cost Estimate or Flood Reduction (Y/N) (Y/N)		Associated Goal	Project Cost Project Cost Date Operations and Maintenance	FMP ONLY Benefit-Cost Sponsor V	Atlas 14 (Y/N/U)	FMP ONLY	FMP ONLY	Public Comment/RFPG	Notes	FMP_ID FME_ID FMS_ID
ID /Sponsor		Date		_			completed?	(Y/N) (Y/N)		(Y/N)	Problem Area Size Flood Risk Reduction (Y/N)					(Y/N)	(Y/N/D) (Y/N)			Types	IDs	Cost	Ratio	25000	Pre-Project Level of Service	Post-Project Level of Service	Response		
			(Y/N)								(1,1,1)		If "No" consider FMI	E If "No" consider FME If "N	io" consider FME	If "No" consider FME	If "No" consider FMS If "D" develop If "No" consider FMS	If "No" consider FMS If "C" calculate cost	If "No" consider FMS* If "No" consider FM	S* Structural and				If "No" consider additional FME for update					
City of San				Approximately 800 FT Southwest of	Storm Drain	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 ea														Non-structural Flood Infrastructure			CoSA Public Works						
155 Antonio I	Bexar Project Summary Sheet	Quadsheet 2022	LWC #13 West Ave. @ Interpark N	Interpark Between		channel to convey the storm water downstream. Low Water Crossing #15 has approximately 128 acres of storm water that is consumed through this concern. This populate proposes to construct an	A		U	U		-	Ā	- U		N	A	Y		Projects Structural and Non-structural Flood	12000029	\$35,000	- Departmen	U	-	-		Need to Calculate Study Cost;	1
City of San 156 Antonio I	Bexar Project Summary Sheet	Quadsheet 2019	LWC #15 Copperhill Between Parkstone & Happy Hollow N	Parkstone &	Storm Drain Improvement	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.	Y	-	U	U			Y	. u	,	N .	Y	Y		Infrastructure Projects	12000029	\$35,000	City of San Antonio TC	U				Need to Calculate Study Cost;	1
City of San			LWC 100, Blakeley Area	Blakeley Drive - 200' West of	Regional Channe	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														Structural and Non-structural Flood Infrastructure			CoSA Public Works						
157 Antonio I	Bexar Project Summary Sheet	Quadsneet 2022	Drainage Improvement N	Vandiver	Improvements Bridge	upstream of the crossing. Construct a bridge on Weidner Rd. to pass a 100 yr. storm to replace LWC#							Y		ľ	N .	Y	Y		Projects Structural and Non-structural Flood	12000029	525,000 -	- Departmen					Need to Calculate Study Cost;	1
City of San 158 Antonio I	Bexar Project Summary Sheet	Quadsheet 2019	LWC# 91 Weldner 500 ft N of Schertz N	Weidner Rd	Improvements; Infrastructure	91, to include curbs and sidewalks. This project will require channel excavation. This LWC is not within a FEMA floodplain.	Y		U	U		-	Y	. u	,	N .	Y	у	-	Infrastructure Projects Structural and	12000029, 12000033	\$25,000	City of San Antonio TC	U	-			Need to Calculate Study Cost;	1
City of San	Bours.		Havenbrook RSWF (Slick Ranch	Havenbrook to State Hwy 151	Infrastructura	This on-channel RSWF site is located southeast of Texas State Highway 151 and Loop 410 West. The proposed RSWF would have a storage capacity of approximately 210 acre-feet with minimum and maximum elevations at 732 feet and 743 feet, respectively.										N .	ļ,	v		Non-structural Flood Infrastructure	12000029	620.000						Need to Calculate Study Cost;	
159 Antonio	Market 1		Caroling 14	Drainage Channel - U.S. Hwy. 90W	HITEGO SCARE	The since And their, respectively.														riojeca	11000013	330,000						need to carculate study cost,	
				access road to Martinique Dr.; Martinique 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														Structural and Non-structural									
City of San Antonio	Bexar Project Summary Sheet	Quadsheet 2021	LWC No 113-116 and Associated Channel Improvements N	Westward Dr. LWC 112.1/Pvt	Storm Drain Improvements	channel. The underground system will consist or 10° curb inlets, 6 x 5° box culverts, 24°-42° Reinforced Concrete Pipes (RCP), 5 x 5' junction boxes and outfall structures	Y		U	U			Y	. u		N .	Y	Y		Infrastructure Projects	12000029	\$35,000	City of San Antonio TC	U				Need to Calculate Study Cost;	1
				Rd 150' South of Meadow Leaf LWC	f															Structural and									
City of San	Desirat Common Chart	0	LWC 112.1 Pvt Rd. 300' North	112.2/Meadow Way - 200' South of	Regional Channel	Project consists of channel improvements and an outfall to Slick Creek to alleviate street flooding. Channel improvements include installing 10x4 MBC										_				Non-structural Flood Infrastructure	13000030	57 000						Need to Colorida Deck Cont.	
161 Antonio I	Bexar Project Summary Sheet	Quadsneet -	of Marbach Rd. N	Dreamland from RR to 550' West	n	along the channel to improve flow at this portion of Slick Creek.							Y .		ľ	N .	Y	ı,		Projects	12000029	535,000 -				-		Need to Calculate Study Cost;	1
				of RR Crossing; 1600 LF North and 4700 LF	Bridge	The project will consist of proposed Bridge crossing with +/- 6300 LF of total channel grading upstream and downstream and excavating to eliminate a														Structural and Non-structural Flood									
City of San 162 Antonio I	Bexar Project Summary Sheet	Quadsheet -	LWC#42 Dreamland south of RR Xing N	South of Dreamland LWC Wabash St from	Infrastructure	low water crossing. Street reconstruction includes driveway approaches, curbs, and sidewalks as required Channel improvements are proposed from the Six Mile Creek outfall up to	Y		U	U			Y	. u		N .	Y	Y		Infrastructure Projects Structural and Non-structural	12000029, 12000033	\$35,000		U				Need to Calculate Study Cost;	1
City of San 163 Antonio	Bexar -		Normoyle Ditch - Alt 1 N	200 Ft north of New Laredo Hw	v Regional Channel	Challins improvements are purposed into the saw wife Celes colonial 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 Laredo Hwy.	Y		u	U		_	¥	. u	,	N .	¥	c	_	Flood Infrastructure Projects	12000029, 12000033			U				Need to Calculate Study Cost;	1
City of 164 Selma	Bexar -	Wish List 2022	Master Drainage plan N	City of Selma	Watershed	A detailed drainage study of the city of Selma Stockdale Creek, a tributary of Clinton Branch which flows into Cibolo Creek,	N		N	N			N			- 1	. У	с		Flood Studies and Analysis		Calculating 2022 -		N				Need to Calculate Study Cost	1
					Education and	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 was removed flooding was exacerbated throughout the																							
City of	Karnes and Wilson Countie	Hazard Mitigation	Develop and implement a Stormwater Management Plan		Outreach; Regulatory and	city. One major impact during flooding is that the EMS is located on the north side of town at the VFD and is cutoff from the majority of the city in a flood. A study needs to be conducted to identify solutions. Engineering														Flood Studies and			City Counci Planning,						
165 Stockdale 1	Wilson Hazard Mitigation Plan		for Stockdale Creek N	City of Stockdale	e Infrastructure	recommendation to be implemented. Improve storm water drainage within residential and commercial areas by	N		U	N			-	N -			Y	С		Structural and Non-structural	12000014	\$1,200,000 2020	Engineering					Stockdale Creek Study	1
City of Stockdale	Karnes and Wilson Countie Wilson Hazard Mitigation Plan	Hazard Mitigation Plan 2020	Maintain Drainage System N	City of Stockdale	Natural Based e Projects	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 purchase of two remaining properties. A drainage improvement was completed in 2018 with 2016 disaster relief	у		U	N				γ .			N	с	C N	Flood Infrastructure Projects Structural and	12000029, 12000030, 12000033	\$2,000,000 2020	Engineering Planning, P Works	blic N				Property Buyout and Ordinance Changes	1 1
City of	Karnes and Wilson Countie	Hazard es Mitigation	Drainage improvements to			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 capabilities. The diameter of the														Non-structural Flood Infrastructure	12000029, 12000030,		Engineering Planning, P	blic				Not sure if this is already Studied or will just need Design phase and BCA	
167 Stockdale 1	Wilson Hazard Mitigation Plan	Plan 2020	wastewater treatment plants N	City of Stockdale	e and Resilience	outfall pipe will be increased from 8in to 15in. New construction of waterway bridges on 6th and 8th Streets crossing Stockdale Creek. Lift elevation profile of the two bridges that provide access	Y	-	U	N		-	-	N -			A	c		Projects Structural and Non-structural	12000033	\$800,000 2020	Works Engineering	N				Not sure if this is already Studied or will just need	1
	Karnes and Wilson Countie Wilson Hazard Mitigation Plan	Plan 2020 Hazard		City of Stockdale	Bridge Improvements Regional	to critical facilities and services within the city as well as access from the City to the surrounding region	, _v		U	N			N				Y	с		Infrastructure Projects Structural Flood	12000029, 12000030	\$500,000 2020	Planning, P Works Stockdale t Public Wor	blic N				Design phase and BCA calculated	1
City of 169 Stockdale	Karnes and Wilson Countie Wilson Hazard Mitigation Plan		Detention/Retention pond on school property N	City of Stockdale Stockdale Creek between State	e Infrastructure	Install a Detention/Retention pond and reservoir to store excess stormwater on school property along Fordham Street	N		U	N				N .			A	с	-	Infrastructure Projects	12000029, 12000030	\$1,500,000 2020	Public Wor Engineering			-		Need a study Cost	1
City of Stockdale	Wilson County Watershed Wilson Master Plan	Watershed Master Plan 2012	Damage Center 1 (Stockdale Creek) N	Highway 123 and U.S.	Infrastructure	Stockdale Creek Stream Restoration with a natural channel design	Y		Y	¥		_	Y	. N	,	N .		c		Structural Flood Infrastructure Projects	12000029, 12000030	\$3,071.397 2015	- SARA	N				Need to Calculate Study Cost:	1
City of 171 Stockdale	Wilson County Watershed		Damage Center 2 (South Tributary to Stockdale Creek) N	Highway 87 South Tributary to Stockdale Creek Parrigin Road	Regional Detention	Detention South Tributary to Stockdale Creek near the eastern city limit	у		N	N			Y	. N	,	N I		с		Projects Structural Flood Infrastructure Projects	12000029, 12000030	\$533,030 2015 -	- SARA	N				Need to Calculate Study Cost; FRR Calculated Need to develop BCR; May need to calculate study cost	1
City of Helo	SARA: Projects for flood risk		Parrigin Road Drainage	Parrigin Road crossing of Helotes Creek Tributary A near	Low Water	Parrigin Road low water crossing at Helotes Creek Tributary A floods frequently. limiting access for nearby														Flood Studies and	12000011,								
172 tes I	Bexar Reduction in Helotes	2016	Improvements N	Indian Trail Lost Springs Hollow, Hwy	Improvements		A	-	U	U	-		Y	- N	,	N 7		С		Analysis Structural Flood		\$1,053,000 2016 -	SARA	N		-	-	LWC; needs study	1
173 Floresville 1	Wilson County Watershed Wilson Master Plan	Watershed Master Plan 2012	Damage Center 1: Project 1A, 1B Y	181 at Lodi Branch South of 4th St	Project Planning	Detention upstream of Lost Springs Hollow along with some channel work. Upgrade Hwy 181 crossing at Lodi Branch (contingent of Project 1A). The channelization project would add 8 feet to the left bank of the channel,	Y		Y	Y		-	Y	- U	·	U .	-	-		Infrastructure Projects Structural Flood		\$ 2,200,000 2012		N	<1%	>1%		No Impact? Benefit cost ratio?	
174 Floresville 1	Wilson County Watershed Wilson Master Plan Holistic Watershed Master	Master Plan 2012	Damage Center 2: Project 1 Channelization N	between D and I Streets	E Engineering	and the depth would be kept at its existing elevation. The project would remove two structures adjacent to the stream from the floodplain.	у		Y	Y			Y	. u		U .	-			Infrastructure Projects Non-Structural		\$ 100,000 2012		N	<1%	>1%		No Impact? Benefit cost ratio? No Impact? Benefit cost ratio? FRR calculated.	
Goliad 175 County (Plan Wilson, Karnes, and Goliad Counties, Flood Issu Goliad Volume Holistic Watershed Master	ues Watershed Master Plan 2015	Goliad Damage Center A N	Bungalow Ave and N San Patricio St	Engineering Project Planning	Vegetated swales along Bungalow Ave and N San Patricio St, includes LID elements.	Y		Y	¥			Y	. u		u .				Flood Infrastructure Projects		\$519,000 2015	U	N	<1%	1%		FRR calculated. Consider FME to update model to Atlas 14. No Impact? Benefit cost ratio?	1
Gollad 176 County	Plan Wilson, Karnes, and Goliad Counties, Flood Issu Goliad Volume	Holistic	Goliad Damage Center B N	north of W. Ward St	Engineering Project Planning	Construct dam north of W. Ward St. Increase the number of public outreach and education activities to	Y		Y	¥		_	Y							Structural Flood Infrastructure Projects		\$1.247.000 2015	U	N	<1%	1%		FRR calculated. Consider FME to update model to Atlas 14.	1
176 County (Greater Edwards Aquifer			Development of a Streamscaping Program for Flood Risk Management in	San Antonio	Education and	improve awareness of flood hazards and benefits of flood planning in the Flood Planning Region. Promote nature-based solution training to enable														Flood Studies and									
177 Alliance I	Bexar RFPG Committee	Wish List 2022	rexas N	River Basin	Outreach	greater participation in flood risk/mitigation decisions	Y	-	,	Y				ni Y	,		N	, a	, Y	Analysis	12000014	\$129,000 2022	SARA Karnes Cou Road and B Special Pro			*			1
178 County I	Karnes and Wilson Countie Hazard Mitigation Plan	Plan 2020 Hazard	Low Water Crossing signage N	Karnes County		Identify sites and install Road Closed Signage/ Warning device to alert traffic that roads closed due to high water	Y		Y	N				N -			Y	у		Flood Studies and Analysis		\$300,000 2020 -	- Emergency Manageme	t Y					1
Karnes 179 County	Karnes and Wilson Countie Karnes Hazard Mitigation Plan	es Mitigation	Low Water Crossing Upgrades N	Karnes County		Prioritize low water crossings within Karnes County and upgrade with higher level of flood protection, warnings, and signage	Y		Y.	N	-	-		N -			A	Y		Flood Studies and Analysis		\$5,000 -	Karnes Cou SARA Sheriff Departmen	Y					1
Karnes 180 County	Karnes and Wilson Countie Karnes Hazard Mitigation Plan	Hazard Mitigation Plan 2020	Early warning flood systems N	Karnes County	Engineering Project Planning	Conduct feasibility analysis for need and location for placement and installation of an early warning system. Install early warning systems for non- incorporated communities		_	¥	N		_	_	N -			Y	Y		Flood Studies and Analysis		\$150,000 2020 -	Departmen Emergency Manageme Special Pro	t.					1
Karnes	Karnes and Wilson Countie	Hazard Mitigation	Update flood information and		Watershed	Incorporated communities Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies,														Flood Studies and			Karnes Cou	ty					
181 County I	Karnes Hazard Mitigation Plan	Plan 2020	policies N	Karnes County	Planning	and review permitting process based on the 100-year flood event Identify residential structures that are located in flood zones or high hazard	Y	-	Y	N		-	-	N -			A	Y		Analysis		\$100,000 2020 -	- HMT, SARA	Y					1
Karnes 182 County I	Karnes and Wilson Countie Hazard Mitigation Plan	Mitigation Plan 2020	Inventory of residences in floodplain N	Karnes County	Watershed Planning	areas and develop plan and implement a program for floodproofing or acquisition. Keep a database of flood prone, repetitive loss, and severe repetitive loss properties with pertinent information about each property	Α.	-	¥	N				N -			Y	Y		Flood Studies and Analysis		\$50,000 2020 -	Karnes Cou HMT, SARA Commissio						1
Karnes	Karnes and Wilson Countie	Hazard Mitigation	Shelter requirement for RV	No.	Regulatory and	Adopt and implement an ordinance to require RV Parks to provide shelter														Structural Flood Infrastructure			Court/ Emergency Manageme	t/					
183 County I	Karnes Hazard Mitigation Plan Karnes and Wilson Countie	Hazard		Karnes County	Guidance Low Water Crossings or Bridge	facilities. Wilden bridge at CR 337 to accommodate two way traffic in case	Y	-	N .	N				ni -			N		, N	Projects Structural Flood Infrastructure		2020 -	County Attr Karnes Cou Road and E Emergency	idge,		*			1
184 County I	Karnes Hazard Mitigation Plan Holistic Watershed Master Plan Wilson, Karnes, and	Plan 2020 Holistic	Improve bridge at CR 337 N	Karnes County	Improvements	Wilden pringle at CK 337 to accommodate two way traffic in case emergencies and to allow the conveyance of floodwaters	Y		Y	Y	-	-	N			- ,		С		Projects Structural Flood		\$500,000 2020 -	- Manageme					Need to update with more information.	1
185 County I	Goliad Counties, Flood Issu Volume	Watershed Master Plan 2015	Karnes Damage Center H N	Hwy 181/5th in Kenedy	Engineering Project Planning	Raise bridge on Hwy 181/5th in Kenedy	Y		U	У			Y	. 0	ı	u .	-			Infrastructure Projects		\$277,000 2015 -	-	N	<1%	1%		Consider FME to rerun analysis with Atlas 14	1
						Farner County (County) is presented in the second																							
						Karnes County (County) is requesting financial assistance to conduct a region flood protection planning study. This study will include tasks to: develop and update floodplain models and maps for high priority streams; identify flood problem area and road crossings; develop structural and non-structural																							
						mitigation alternatives like channel improvements, detention facilities, bridge/culvert crossing upgrades, levees, early warning systems and implementation of higher standards for floodplain development; conduct																							
186 County	Karnes TWDB Active Projects (FIF)	TWD8 2021	Flood Protection Planning Study N	Karnes County Escondido Creek	Planning	benefit-cost analyses of mitigation alternatives; and improve flood mitigation plan and emergency response planning.	Α Α	-	¥	N		-		N -			Y	Y		Flood Studies and Analysis Structural Flood		\$619,000 -		Y					1
Karnes 187 County I	Karnes SARA Wish List	Wish List 2022	Karnes Dam Rehabilitation N Damage Center 1: Upgrade	WS SCS Site 1,2, and 4 Dam	Engineering Project Planning	Rehabilitation of Escondido Creek 1.2, and 4 to ensure passage of the PMF. Perform a PER to study the addition of fourteen 6-foot by 3-foot culverts	Y	-	Y	У			N					с		Infrastructure Projects				Y		Passage of PMF			1
188 La Vernia	Wilson County Watershed Wilson Master Plan	Watershed Master Plan 2012	Damage Center 1: Upgrade Hwy 87 crossing at Chihuahua (La Vernia) N	Hwy 87 crossing	g Engineering Project Planning	required to create enough capacity to convey the flow without overtopping	Y	-	N	Y			Y	. N		- ,		с		Flood Studies and Analysis		\$700,000 2012 -		Y	<1%	1%			1

SARFP: FMP/F	MF/FMS Ider	ntification Pr	ocess Table			Step 0	*Steps defined per Task 48 Process Outline	Refer to Technical Mem	0.				Step 2-1: FM	•		Step 2-2: FME		Step 2-3: FMS	Step 3		Step 4: Project Det	ails/Feasibility		Stor	p 4-1: Additional Pro	iert Details	Step 5		
SAILT THUI Y		Tellication 1	occas rubic			Зсеро		Jiep I					Step 2-1. rm	Sufficient P Detail:		STUDIES STUDIES		Step 2-3. FWS	Step 3		Step 4. Froject Det	ansyreasionity		Jie	p 4-1. Additional PTO	Jett Details	зтер 3		
			Pha	ased/			Related to Flood Meets Emergence		, Reduces 100-year	RFPG Allows Exemption for not meeting;		STRUCTURAL Sufficient Data	Sumplem Data	gative Effect (BCA, Cost Es			Has a Planning Level Cost Estimate	Has a Planning Level Estimated Flood R Cost Estimate or Flood Reduction	sk n		Operations	FMP ONLY		Atias 14	FMP ONLY	FMP ONLY			
General Community /Sponsor Coun	y Source Name	Source Type So	arce Project Title Dama;	Project Location Project Type	Project Description	Screening: Already completed?	,		flood risk (Y/N)	Problem Area Size Flood Risk Reduction	Type of Exemption	(Y/N)	(Y/N)	(Y/N) Struc/Pop/Crit s at Ris	(Y/N/D)	on and Critical Facilities at Risk	(Y/N/C)	(Y/N) (Y/N)	Associated Goal Asso Types	ociated Goal IDs Proje	t Cost Project Cost Date Maintena Cost	nce Benefit-Cost	Sponsor Verified	(Y/N/U)	Pre-Project Level of Service	Post-Project Level of Service	Public Comment/RFPG Ne Response	otes FMF	P_ID FME_ID FMS_ID
			_				(Y/N) (Y/N)	(Y/N)	1.7.4	(Y/N)				(Y/N)		(Y/N)	If "No" consider FMS		-				-	If "No" consider	-				
			(r	/N)	There is not adequate drainage infrastructure to convey these flows without	out						If "No" consider FME	If "No" consider FME If "No"	consider FME If "No" consider	r FME If "D" develop	If "No" consider FMS	If "C" calculate cost	If "No" consider FMS* If "No" consider FN	IS*					additional FME for update					
	Wilson County Watersho	ed Watershed	Damage Center 2: Southern	Channel at Engineering	major flooding in the streets and adjacent properties. An interception channel is proposed upstream of the City to capture flows and divert them west to a tributary i														Flood Studies and										
189 La Vernia Wilson	Master Plan Overall Preliminary Drain	Master Plan 201	! Watershed Channel N Issue #2 (City Park/La Vernia	FM775 Project Planning	Lower Cibolo Creek. Perform a PER to study alternatives. Study to assess 6'-wide concrete-bottom channel/sidewalk with earthen		Α -	N	Y	-		Y	- N	-	Y	- 0	С	-	Analysis Flood Studies and	\$370,00	2012 -		- Y		N/A	1%			1
	Report Overall Preliminary Drain	inage Drainage Master Plan 202 Inage Drainage	! ISD) N Issue #4 (Woodbridge Farms ! Unit #2) N	City Park Project Planning Regulatory and	sides (graded 5:1) be constructed through this area to better define the fli path. Gauge boards on San Antonio Road. Creating or increasing requirements for erosion and sedimentation contro	ow ols	у .	N	Y	-		N		-	D	- (С		Analysis	\$430,90	2022 -	-	- у		<1%	1%			1
191 La Vernia Wilson					installed during the homebuilding phase. 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 crossings.		Α .	Y	Y	-		-	N -	-	N			N N	Flood Prevention	-						-			1
192 La Vernia Wilson	Overall Preliminary Drain Report	inage Drainage Master Plan 202 Hazard	Issue #5 (HWY 87 Crossing & CR 342 Crossing) N	Engineering HWY 87 Crossing Project Planning	87 and the crossing at CR 342. Easement acquisition would allow for the construction of a defined channel through these sections. The schools in La Vernia are most at risk of flooding. A detailed study of co	ost	Υ -	U	У			N		-	D	-	С	-	Flood Studies and Analysis	\$513,40	2022 -	-	- у		<1%	1%			1
La Vernia 193 ISD Wilson	Karnes and Wilson Coun Hazard Mitigation Plan	nties Mitigation	Upgrade/Harden Schools I against all hazards N Lucas Creek at Cinco De Mayo		effective measures to protect and harden schools against (flooding) hazar needs to be developed and the findings to be implemented.	ds	γ .	Y	Υ			N		-	-	y y	Y		Flood Studies and Analysis Structural Flood	\$275,00	2020		LVISD, Public Works N				No negative in	npact?	1
Medina 194 County Medina	Medina River Holistic Watershed Master Plan	Watershed N 201	Dr Bridge and Channel (DC- MRD) Y	Cinco De Mayo Engineering Dr Bridge Project Planning	Regional detention, channel improvements, and bridge/culvert upgrades,		Υ -	Y	Y			Y	. u	Y				-	Infrastructure Projects Structural Flood	\$ 63	000,000 2015 .				>1%	1%	Consider FME model to Atlas	to update 14 1	1
Medina 195 County Medina	Medina River Holistic Watershed Master Plan	Watershed N 201	Cagnon Rd at Polecat Creek (DC- i MRN) N	Engineering Cagnon Rd at Pol Project Planning	Replace the existing crossing with an approximately 320-foot long bridge.		γ .	Y	Y	-		Y	. U	Y	-				Infrastructure Projects Structural Flood	\$ 16	200,000 2015 -		. n		>1%	1%	No negative in Consider FME model to Atlas	15 1	1
Medina 196 County Medina	Medina River Holistic Watershed Master Plan	Watershed N 201	Trumbo Rd at Palo Blanco Creek (DC-MRP) N	Palo Blanco Engineering	Upgrades to Trumbo Rd and Loop 1604 crossings at Palo Blanco Creek wit channel work.	th	Υ -	Y	Y			Y	. u	Y				_	Structural Flood Infrastructure Projects	\$ 11	000,000 2015 -				>1%	1%	No negative in Consider FME model to Atlas	to update	1
					Develop a Conservation Easement Program that leverages partnerships to protect open spaces and natural areas within the Watershed. Such a program is applicable on a watershed basis and to the project developmen	nt																							
					and design phase for each of the D/O centers. The program will help to m hydrology and hydraulic objectives for the Watershed and provide public education and recreational opportunities. The latter, combined with	eet																							
					interagency and intergovernmental coordination inherent to the program, has the potential to create initiatives that influence Watershed decisions in	n l																							
Medina 197 County Medina	Medina River Holistic Watershed Master Plan	Watershed Maste	Conservation Easement Plan Program N	Regulatory and Medina River Guidance	portions of the Watershed that are outside of SARA's authority. Mission of Service is to provide technical assistance, program delivery and	1	Υ .	Y	N				N -	-	-	N -		N N	Flood Prevention		-	-							1
					science-based information to protect against wildland fires and other emergencies. A major part of the Texas Forest Service (TFS) activity is related to building partnerships and coalitions with entities such as SARA																								
Medina	Medina River Holistic			Flood readiness	that share its mission. The TFS provides programs to aid communities by giving these communities tools and resources to actively protect property	,													Education and										
198 County Medina	Watershed Master Plan	Watershed Maste	Plan Texas Forest Service N	Medina River and resilience	This Flood Management Evaluation (FME) will fill the knowledge gap in the	e	A .	A	N			-	N -		-	N		N N	Outreach			-							1
San detecto			Holistic Watershed based	Regional	region on the benefits of NFMS for floodplains, flood peak attenuation, ecosystem services, groundwater recharge, and recreational value. Both monetary and non-monetary qualitative benefits will be established for th																						Need to evalua	ate whether	
River 199 Authority All	RFPG Committee	Wish List 202	master planning consistent ! with Nature Based Solutions N	San Antonio Watershed River Basin Studies	San Antonio River Watershed d based on recent San Antonio River Author flood risk mapping studies and previous watershed master planning.	rity	Υ .	Y	Υ		-		N Y	N	Y	- (с		Flood Studies and Analysis 12000	0013 \$2,500,	00 2022 -		SARA U				entire SA River	r Basin should first study	1
Wilson, Karnes, Goliad,																													
Goliad, Refugic Victoria DeWitt Aransa:																													
	SARA Wish List	Wish List 202	Lower Basin Predictive Flood Model N	SARA Lower Basin Watershed Plans	Lower Basin Predictive Flood Model		Υ .	Y	N			-	N .			Y	С		Flood Studies and Analysis				. у				Need more inf	formation	1
					Restoration of Nichols Creek to improve stream function including conveya																								
					Resoration of Nichols Creek to improve stream function including conveya- of flow and sediment. This will address cracking and instability of the concre- lining of the creek, to maintain flood conveyance of the channel white ensuri- estability of the stream.	nce ste ing						_							Structural Flood Infrastructure										
201 SAKA Karnes	SARA Wish list	wish List	Nichols Creek Stabilization N	Nichols Creek Engineering Proj	a saturity of the saturality				1										Projects			-					Need more inf	ormation 1	
					Study to identify the appropriate and most efficient locations to monitor																								
202 SARA SARB	SARA Wish list	Wish List	Evaluation and prioritization of r N	SARB Watershed plans	stage/discharge on streams within the San Antonio River Basin. Evaluation emerging technologies and combinations of monitoring technologies in orde il identify cost effective and resilient monitoring programs.	on er to	Υ .	Y	Y			-	N .		Y		С		Flood Studies and Analysis				. Y				Need more inf	formation	1
					Development of a dataset identifying lands under conservation easement. Project includes courthouse and deed records research to identify lands that are protected or have future development restrictions. With a protected land	at de																							
					dataset, improved future land use projects can be developed for improved is term floodplain models. In addition, programs for the enhancement of the function of protected lands can be implemented, such as vegetation or stres																								
203 SARA SARB	SARA Wish list	Wish List	Natural capital inventory N	SARB Watershed plans	buffer improvements, soil health management, etc. Such a program would in improve the function and stability of floodplain.		γ .	Y	Y				N -	-	-	N -		N N	Flood Studies and Analysis								Need more inf	ormation	1
					Study to identify and quantify the impact of floodplain condition on flood																								
					mitigation. The flood impacts of natural floodplains in various conditions can compared to fully developed floodplains with the difference considered to be the function of the natural floodplain. This can be used to identify areas of I value for preservation or even for investment in improving the function of the	i be e high																							
204 SARA SARB	SARA Wish list	Wish List	Quantification of benefits of nat N Future conditions data	SARB Watershed plann	natural capital.		у .	Y	Y				N -		Y	- (с		Flood Studies and Analysis	-		-	- у				Need more inf		1
205 SARA SARB 206 SARA SARB	SARA Wish list SARA Wish list	Wish List Wish List	refinement study N "Port SA "River Authority WWTP	Engineering	i Future conditions data refinement study *Port SA		Y -	Y	N .				N -			ľ	c					-					More Info Nee		1
207 SARA SARB 208 SARA SARB		Wish List Wish List	Resilience N *Other suburban city projects N *Buyouts/neighborhood		*River Authority WWTP Resilience *Other suburban city projects		Y .	Y U	Y U			N N			Y Y	- 0	C C			-			: :				More Info Nee		1 1
209 SARA SARB Tivoli	SARA Wish list Refugio County Flood Mitigation Projects Outr	Wish List	elevation N	Property/Easemi	Buyoutsineighborhood elevation The bridge on Hatch Street in Tivoli was replaced with a culvert which dra	ins	Υ .	Y	Y	-	-	N	. U	U	Y	-	С	-	Structural Flood	-		-					More info Nee	eded	1
210 Community Refugio	Refugio County Flood	Wish List 202	Culvert improvement on Hatch ! St in Tivoli N	Community Project Planning	slow and causes the water to breach the levee. Study to find alternatives determine solutions for this drainage issue. Culverts on Highway 239 in Tivoli are too small causing water to get in		Α -	U	Y			N		-	У	-	с		Infrastructure Projects Structural Flood										1
Tivoli 211 Community Refugio	Mitigation Projects Outri Data Collection	reach Wish List 202	Culvert Improvement on Highway 239 in Tivoli Miller Creek on the Smoky	Tivoli Engineering	houses. Study to find alternatives to determine solutions for this drainag issue. Miller Creek on the Smoky Creek Ranch drains Tivoli and the surrounding area which is washing out property where Indian artifacts were found. Stu	ge	γ -	U	Y			N		-	Ä	-	с	-	Infrastructure Projects Structural Flood										1
Tivoli 212 Community Refugio	Refugio County Flood Mitigation Projects Outr Data Collection Refugio County Flood Mitigation Projects Outr	reach Wish List 202	Miller Creek on the Smoky Creek Ranch Drainage Improvements N	Tivoli Engineering Community Project Planning	area which is washing out property where Indian artifacts were found. Stu to find alternatives to determine solutions for this drainage issue.	ady	ν .	U	У			N		-	У	-	с		Infrastructure Projects Structural Flood	-		-					More Info Nee	eded	1
Tivoli 213 Community Refugio	Mitigation Projects Outr Data Collection	reach Wish List 202	J.W.Johnson in Tivoli Bridge Replacement N		Bridge improvements for the bridge on J.W. Johnson in Tivoli. Study to fin alternatives to determine solutions for this drainage issue.	d	Υ .	U	Υ			N			Y		с		Infrastructure Projects										1
Wilson	Wilson County Watersho	ed Watershed	Recommend for Wilson Roadways - Project 1 - CR 401 & Clifton		Upgrade bridge so that it provides a safe evacuation route during large														Structural Flood Infrastructure								Ask Wilson - w does this bridg upgraded to?	ge need to be	
214 County Wilson	Master Plan	Master Plan 201	Branch N Recommend for Wilson Roadways -	Wilson County Project Planning	storm events.		Α .	Y	U	-	-	N		-	У	-	С		Projects Structural Flood	\$	500,000 2012 -	-	- Y		-	-	Ask Wilson - w does this bridg	what storm event	1
Wilson County Wilson	Wilson County Watershe Master Plan	ed Watershed Master Plan 201	Project 3 - CR 122 & Mariana	Wilson County Project Planning	Upgrade crossing so that it provides a safe evacuation route during large storm events.		γ .	Y	U			N			Y		с		Infrastructure Projects	\$806,00	2012 -		. у				upgraded to? Ask Wilson - w		1
Wilson	Wilson County Watersho	ed Watershed	Recommend for Wilson Roadways - Project 4 - Mariana	Engineering	Upgrade crossing so that it provides a safe evacuation route during large														Structural Flood Infrastructure								Ask Wilson - w does this bridg upgraded to?	ge need to be	
216 County Wilson	Master Plan	Master Plan 201	Rd & Mariana Creek N Recommend for Wilson	Wilson County Project Planning	storm events.		Α -	Y	U	-	-	N		-	У	-	С		Projects Structural Flood	\$806,00	2012 -	-	- Y		-	-	Ask Wilson - w does this bridg	shat storm event	1
Wilson 217 County Wilson	Wilson County Watershe Master Plan	ed Watershed Master Plan 201	Roadways - Project 5 - CR 108	Wilson County Project Planning	Upgrade crossing so that it provides a safe evacuation route during large storm events.		Α .	Y	U			N			Y		с		Infrastructure Projects	\$477,00	2012 -		. у				upgraded to? Ask Wilson - w		1
Wilson	Wilson County Watershe		Recommend for Wilson Roadways - Project 6 - CR 225	Engineering	Upgrade bridge so that it provides a safe evacuation route during large														Structural Flood Infrastructure								Ask Wilson - w does this bridg upgraded to?	ge need to be	
218 County Wilson	Master Plan		Recommend for Wilson	Wilson County Project Planning	storm events.		Α	Y	U		-	N		-	Y	-	С	-	Projects Structural Flood	\$3,150/	00 2012 -	-	- Y			-	Ask Wilson - w does this bridg	hat storm event ge need to be	1
Wilson 219 County Wilson	Wilson County Watershe Master Plan	ed Watershed Master Plan 201	Roadways - Project 7 - CR 119	Wilson County Project Planning	Upgrade bridge so that it provides a safe evacuation route during large storm events. Phase I: Engineering study of design solutions to erosion of CR 401 at Cib	ndo.	Α .	Y	U			N			Y		с		Infrastructure Projects	\$1,440,	00 2012 -		. у				upgraded to?		1
Wilson	Karnes and Wilson Coun	Hazard hties Mitigation	Erosion at CR 401 and Cibolo	Engineering	Creek. Phase II: Implementation of stabilization project to address stream incision														Structural Flood Infrastructure				Wilson County						
220 County Wilson Wilson	Hazard Mitigation Plan Karnes and Wilson Coun	Plan 202 Hazard	D Creek Y	Wilson County Project Planning	and erosion CR 401 at Cibolo Creek. Develop flood hazard information by collection information, high water marks, and conduct engineering studies to develop the 100-year and 500-		Α -	Y	N	-	-	N		-		Y Y	Y		Projects 12000 Flood Studies and 12000	0034 \$300,00	2020 -	-	Commissioners Y		-	-			1
221 County Wilson	Hazard Mitigation Plan	Plan 202	Wilson 4 - stormwater Management Plan N	Wilson County Planning	year flood elevation levels Phase I: Engineering study of design solutions to erosion of CR 202 at		Υ .	Y	N	-	-	-	N -	-	-	Y Y	Y	-	Analysis 12000		2020 -	-	SARA Y		-	-			1
Wilson 222 County Wilson	Karnes and Wilson Coun Hazard Mitigation Plan	Hazard httes Mitigation Plan 202	Erosion on CR 202 East and Marcelina Creek Y	Wilson County Project Planning	Marcelina Creek. Phase II: Implementation of stabilization project to address stream incision and erosion CR 202 at Marcelina Creek.	n	Α	Y	N	<u> </u>		N	<u> </u>	.		y	Y	<u> </u>	Structural Flood Infrastructure Projects	\$300.00	2020 -	<u> </u>	County Commissioners Y			<u> </u>			1
Wilson 223 County Wilson	Hazard Mitigation Plan Karnes and Wilson Coun Hazard Mitigation Plan	nties Mitigation	Marcelina Creek Y Erosion on CR 128 drainage channel Southeast of FM 775			-	v .	v .	N			N .			v		v		Structural Flood Infrastructure Projects	****	2020		Wilson County						
County Wilson	Hazard Mitigation Plan	- MII 202) intersection N	Project Planning	improvements to dramage structure to minimize erosion downstream and upstream Acquire flooded structures to remove them out of the SFHA and restrict future structures from development on the site. Consider the establishm of a voluntary "acquisition and demolition program", "acquisition and	ent			ľ			ĺ					-		roped	5155,00	2000		Road & Bridge Y						
		Hazard			structure relocation program", "Structure elevation program" to address																		Wilson County, Office of						
Wilson 224 County Wilson	Karnes and Wilson Coun Hazard Mitigation Plan	nties Mitigation	Wilson 10 - Acquisitions of Flooded Structures N	Property/Easems Wilson County nt Acquisition	repetitive loss, flood prone properties. Keep a database of flood prone, repetitive loss and severe repetitive loss properties with pertinent information about each property		ν .	Y	Y			N		-	Y	-	с		Flood Prevention -	\$850,00	2020 -		Emergency Management Y			-	Need location properties	of flooded	1
Wilson County Wilson	Karnes and Wilson Coun	nties Mitigation	Wilson 9 - Install Gates at Low Water Crossings N	and	Install gates at low water crossings on county roads repeatedly resulting is road closure due to rapid rising flood waters	n	γ .	Y	Υ			N			Y		с		Flood Warning and Readiness -	\$600,00	2020 -		Wilson County Road & Bridge				Need location Need to updat	of LWC	1
				Low Water Crossings or															Structural Flood								information; - model	~ with more	
Wilson 226 County Wilson	Cibolo Creek Watershed Holistic Master Plan	Watershed Master Plan 201	FM 537 at Cibolo Creek LWC Replacement N	FM 537 low Bridge	Third most dangerous crossing in Cibolo Creek watershed. Replace FM 53: low water crossing of Cibolo Creek with a bridge.	7 Y	γ .	¥	γ		-	Υ	. u	U					Infrastructure Projects	\$4,000,	00 2018 -	U	u		<50%	>1%	- BCA - No Impact	1	

		*Steps defined per Task 4B Process Outline. Refe	er to Technical Memo.																				
SARFP: FMP/FME/FMS Identification Process Table	Step 0		Step 1			Ste	p 2-1: FMP		Step 2-2: FN	1E	Step 2-3: FMS	Step 3		Step 4: Projec	ct Details/Feasibi	lity	Ste	p 4-1: Additional Proj	ect Details	Step 5			
General Community D //gonzer County Source Name Source Type Source Date Project Tide Project Location Project Type Project Location Project Type Project Description	Screening: Already completed?	Related to Flood Meets Emergency Mitigation/ Need Management Goal (FPR to define) (Y/N) (Y/N)	Addresses flood problem with DA > 1 Reduces 100-year flood risk (Y/N) (Y/N)	RFPG Allows Exemption for not meeting; - Problem Area Size - Flood Risk Reduction (Y/N)	Suf	STRUCTURAL NONSTRUCTURAL Sufficient Data (Y/N) (Y/N)	No Negative Effect (Y/N)	Sufficient Project Details (BCA, Cost Estimate, Struc/Pop/Crit.Facilitie s at Risk) (Y/N)	Engineering Evaluation and Critical Facilit at Risk (Y/N/D) (Y/N)	(Y/N/C)	el Mas a Planning Level Estimated Flood Ris or Flood Reduction (Y/N) (Y/N)	Associated Goal Assoc Types	ilated Goal	Broject Cort Broject Cort Date N	erations and faintenance Benefit Cost Rat	Cost	Atlas 14 (Y/N/U) If "No" consider	FMP ONLY Pre-Project Level of Service	FMP ONLY Post-Project Level of Service	Public Comment/RFPG Response	Notes	FMP_ID	FME_ID FMS_ID
(*/**)					If "No	io" consider FME If "No" consider F	ME If "No" consider FME	If "No" consider FME	If "No" consider FMS If "D" develop If "No" consider F	MS If "No" consider FN If "C" calculate cos	If "No" consider FMS* If "No" consider FM	*					additional FME for update						
Wilson Wilson County Watershed Watershed 202 and Tributary 315 to the clower San Antonio Meru. Wilson Wilson Matter Plan Matter Plan Watershed 2022 A New Yestershed W Basilium San Antonio Meru. Basilium San Antonio Meru. County Road 302 and Tributary 315 to the County San Antonio Meru. Antonio Meru. Pagineering Adding a bridge to allow the 5yr design storm to pass. A bridge Meru. Recommended San Antonio Meru.		Υ -	u N		Y		U	N	D -	с		Structural Flood Infrastructure Projects	s	5697,500			N	≪Yr	>5Yr		Need to update with more information; - model - BCA - No Impact - detailed cost needed Consider FME to run model with Atlas 14.	1 1	
Wilson Wilson County Watershed Watershed 228 County Wilson Master Plan 2012 Creek N Creek Project Planning passing the 1yr storm.		v .	ı N	l	N N				, l.		l. l.	Flood Studies and Analysis					v					,	
Wilson County Wi		Α .	U N		N				у .	c		Flood Studies and Analysis Structural Flood Infrastructure				-	У					1	
Country / Wilson Country watersned watersness watersned watersness watersnes		Υ .	r u	-	N	-				Y		Projects Structural Flood	s	3,091,500 2012 -			Y		-			1	
County/ Wilson County Watershed Wate		, .	r U		N					Y		Infrastructure Projects	s	3565,000 2012 -			Y					1	