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

Region 12 San Antonio RFPG

05/16/2022

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 Monday, May 16, 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/287950165.

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 <u>khayes@sariverauthority.org</u> 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, <u>khayes@sariverauthority.org</u>, San Antonio River Authority, 201 W. Sheridan, San Antonio, TX 78204.

SARFP: FMP/FME/FMS Identificati	ion Process Table				*Steps defined per Task 48 Process Outline. Beh	er to Technical Memo. Step 1		Step 2-1: FMP	Step 2-2: FME	Step 2	-3: FMS Step 3 Step 4:	roject Details/Feasi	bility	Step 4-1: Additional Project Details	Step 5	
						8FPG Allows	STRUCTURAL N Sufficient Data	ONSTRUCTURAL No Negative Effect	ADDITIONAL INFO FMP Will identify	STUDIES Has a Planning Level	Estimated Flood Rick			Atlas 14		
General ID Community/Sponsor County	Source Name Source Type Source	rce Date Project Title Project Location	Project Type	Project Description	completed? Management Goal (FPR to define)	Addresses flood problem with DA > 1 mi^2 2 Reduces 100-year flood risk Problem Area Size	Type of (Y/N)	(V/N) (Y/N) (V/N) (V/N) (V/N)		Cost Estimate (Y/N) (Y/N/C)	(Y/N) Associated Goals Project Cost Project Cost	Operations and FM Maintenance Cost Benefit	P ONLY	(Y/N/U) FMP ONLY FMP ONLY FMP ONLY Putrified Pro-Project Post-Project	ublic Comment/RFPG Notes FMP_ID FME_IC	_ID FMS_ID
					(Y/N) (Y/N)	(Y/N/U) (Y/N/U) - Flood Risk Reduction (Y/N)	If "No" consider FME	No" consider FME If "No" 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*			Level of Service Level of Service Level of Service		
City of Balcones Heights Bexar	Upper Woodlawn Lake Drainage Study Drainage Report 20	2014 Woodlawn Lawn Lake Option 1 (Phases 1 - 3) Hiltrest Drive to Balcones Heights Rd	Detention, Storm drain improvements, Culvert	Detention, Storm drain improvements, Culvert Improvements, Roadway Improvements		y y .	- Y	y N	, у у		· · \$10,000,000 2016		. City of Ba		Includes full benefit of project area, project combines	
1			Improvements, Roadway Improvements Detention, Storm drain improvements, Culvert										Heights City of Ba	koor	Option 1 - Phase 1 - 3	
City of Balcones Heights Bexar	Drainage Study Drainage neport 2X	Heights Rd	Improvements, Roadway Improvements Storm drain	Detention, Storm drain improvements, Culvert Improvements, Roadway Improvements Drainage Improvements	Y Y	Y Y -	- Y -	Y N	r ү ү	•	\$5,500,000 2016	•	- Heights			
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT 1A - ADLER ROAD AT CURREY CREEK AND UNNAMED TRIBUTARY A Unnamed Tributary A	improvements Low water crossing improvement	Improve low water crossings along Adler Road, channel regrading, curbs, sidewalks, street reconstruction	γ γ -	Y Y -	- Y -	Y Y		-	- \$1,700,000 2021	•	- City of Bo	erne Y 10-year 100-year		
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT 2 - UNNAMED TRIBUTARY A REGIONAL DETENTION FACEITY Unnamed Tributary A	Regional Detention, Infrastructure	Inline detention facility with cubert improvements	γ γ .	¥ ¥ -	- ¥ -	Y Y			- \$7,400,000 2021	-	0.54 City of Bo	structures from 100-year floodplain, and 5 structures floodplain, and 5 structures		
5														from 500-year floodplain from 500-year floodplain The project is expected to remove 118 structures from the 10-year structures from the 10-year		
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT 3 - CURREY CREEK REGIONAL DETENTION FACULTY Currey Creek	Regional Detention, Infrastructure	Inline detertion facility with additional storm drain improvements	Υ Υ .	¥ ¥ -	- ¥ -	Y Y			- \$9,400,000 2021		2.79 City of Bo			
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20		improvement	Elevated bridge, channel grading, street reconstruction, curb, sidewalks, and driveways	у у -	у у -	. γ .	Y Y			55,300,000 2021	-	- Gty of Bo	erne Y 10-year 100-year		
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT SD - OLD SAN ANTONIO STREET AT MENGER CREEK MENGER CREEK	Regional Channel Improvements, Bridge Improvements	Bevated bridge, channel grading, street reconstruction, curb, sidewalks, and driveways	Y Y -	¥ ¥ -	- Y -	у у .			\$3,700,000 2021		- City of Bo	erne Y 10-year 100-year		
City of Boorne Boosr	Boerne Matter Drainage Plan Master Drainage Plan 20	NOT POLICY 6 - ISING MULA CARC CARC INDEX SUBDIVISION Covery Subdivision	Storm Drain improvement, channel improvements	Storm drain, channel, increase capacity of existing detention	γ γ .	а а -	- ¥ -	¥ ¥ .			\$1,500,000 2021		0.86 City of Bo	Provide ta expective to the provide a expected to remove the anticularity from the 10 year in tractures from the 10 year intructures from the 20 year interview.		
Cry of Boerne Basar	Baerne Master Doininge Plan Master Drainage Plan 20	ND23 PROJECT 7 - SCHWEPPE AND HICKMAN STREET	Storm Drain improvement, channel improvements	Storm drain, and channel improvements	у у .	а а.	- Ч -	y y .			52,150,000 2021	-	0.82 City of Br	The project is expected to ration 11 metro 13 parameter frames 11 metros 14		
City of Bastre Bastr	Boerne Matter Drainage Plan Matter Drainage Plan 20	NO21 MIGHET 8 - JOINS AND LOIMAANN Johns and Loimann Street	Storm Drain improvement, channel improvements	Storm diain and channel improvements	у у .	ч ч -	- ¥ -	γ γ			51,800,000 2021		5.46 City of Bo	The project is expected to remove 7 encode 7 en		
13 City of Boerne Bacar	Boerne Matter Drainage Plan Master Drainage Plan 20	PROJECT 9 - UNIVERSED TREATERY & SUBDYVECKI FLOOD PROTECTION & Universed Treatary & MOBILITY PROJECT	Low water crossing improvements, Channel improvements	Lee water crossing improvements, channel improvements	v v .	ΥΥΥ.	. ү.	γ γ .			55.100.000 2021	-	0.48 City of Bo	Y project in spectral to concrete to the project in spectral to concrete to the project in spectral to the project in the 10 year the 10 year to the project in the 10 year the 10 year to the 10 year to the 10 year the 10 year to the 10 year to the 10 year the 10 year to the 10 year to the 10 year the 10 year the 10 year to the 10 year the 10 year to the 10 year		
12 City of Boarne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT 10 - E. BLANCO RDAD AT UNNAMED TRIBUTARY A Unnamed Tributary A	Low water crossing improvements, Channel improvements	Improve low water crossings along Blanco Road, channel regrading, curbs, sidewalks, street reconstruction	ү ү .	y y .	- ¥ -	Y Y			\$1,600,000 2021	•	- City of Bo	erne Y 10-year 100-year		
Lity of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	2021 PROJECT 11 - RIVER ROAD AT UNNAMED TRIBUTARY A Unnamed Tributary A	Low water crossing	Improve low water crossings along River Road, channel regrading, curbs, sidewalks, street reconstruction	Υ Υ -	¥ ¥ -	- ¥ -	У. У.			- · \$1,400,000 2021	•	- City of Bo	erne Y 10-year 100-year		
City of Baarne Bacar	Boerne Master Drainage Plan Master Drainage Plan 20	NO21 REACT 12 FLANT OMMINEL Transformer Original Strength Country Creak	Channel improvements	Channel improvements	γ γ .	а а -	. ¥.	¥ ¥ .			<u>51,300,000</u> 2021		- City of Bo	The project is expected to remove 2 inclusions from the 30 year inclusions from the 30 year inclusions from the 30 year inclusions from the 30 year inclusions in the 30 year from the 30 year inclusions from the 30 year from the 30 year from the 30 year		
City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	PROJECT 13 - HERFF AND ESSER ROAD IMPROVEMENTS AT CURREY AND CIBOLO CREEK	improvements, Roadway	Bridge at Currey Creek and Esser Road, Bridge at Cibolo Creek and River Road, Channel grading, Roadway reconstruction	Y Y -	γ γ -	- Y -	Y Y			- · \$15,300,000 \$2,021		City of Bo	erne Y 10-year 100-year		
16 City of Boerne Bexar	Boerne Master Drainage Plan Master Drainage Plan 20	DEDUCT 44 CATE DOCING DECIDINAL Chails Could and Decide	Improvements Nature Based Project	Proposed inline extended detention facility that provides water quality benefits to the urbanized tributary of Cibolo Creek and properties downstream of Scenic Loop Road	Y Y .	¥ ¥ .	- Y -	Y Y			\$700,000 2021		City of Bo	erne Y		
Cay of Basene Baser	Boerne Matter Drainage Plan Master Drainage Plan 20	NO1 PROJECT 15 - NORTY-CURREY CHARMER North Currey Creek at Bautonnet Circle	Street	Dannel regrading, curbs, sidewalks, street reconstruction	γ γ .	γ γ .	- ¥ -	v v .			5780,000 2031		Gty of Bo	The enjoint is expected to remove this remove this interculars from the 30 years fractulars from the 30 years fracedures. The structures from the 10 years fracedures is the interculars from the 10 years fracedures is the interculars fracedures is the intercular is the intercu		
City of Boorne Becar	Boerne Master Drainage Plan Master Drainage Plan 20	2023 PROJECT 16- SOUTH-CURRY CREEK CHANNEL IMPROVEMENTS Curry Creek	Low water crossing and channel improvements	Low water crossing improvements, channel improvements	γ γ .	¥ ¥ .	. ¥.	v v .			<u>\$1,500,000</u> 2021		City of Bo	The paper of a sepected to monoscience of the sepected to resource and the sepected to resource and the sepected to resource and the sepected to resource and the sepected to the sepected		
City of Bulverde Comai	City of Bulverde Mapping Improvement: Cibolo Creek Tributary 19 Drainage Report 20	2016 Cibolo Creek Tributary 19 Mapping Cibolo Creek Tributary 19 Improvements	Feasibility Assessment	Alternative Analysis and Project recommendation	Y Y -	Y U -	- N N	N N	r y N	N	N . NONE .		- Gity of Bu	hvorde N -		
20 City of Bulverde Comal	City of Bulverde Mapping Improvements Indian Creek Drainage Report 20 Drainage Report	2016 Indian Creek Mapping Improvements Indian Creek	Feasibility Assessment	Alternative Analysis and Project recommendation	y y .	Y U -	- N N	N N	r y N	N	N . NONE .		- Gty of Bu	werde N -		
City of Bulverde Comal	City of Bulverde Mapping Improvements Lewis Creek	2016 Lewis Creek Tributary 2 Alternative 1 & Lewis Creek Tributary 2	Channel improvements, Culvert improvements, Detentions	Channel widening/lowering, culvert improvement, roadway improvement	¥ ¥	¥ ¥ .	- Y -	v v			- 52,669,190 2016	-	0.19 City of Bu	hverde N -	Includes full benefit of stream, project Combines Alternative 1 & 2	
City of Bulverde Comal	Tity of Bulverde Mapping Improvements Lewis Creak Watershed Phace 2 Alternative Analysis Drainage Beont 20	2016 Lewis Creek Alternative 1 Phase 1 & 2 Valley Road and Scenic Oak Drive	Channel improvements	Diannel improvement, roadway improvement	y y	¥ ¥ -	- ¥ -	y y			· · · \$5,468,250 2016	-	0.11 City of Bu	herde N	includes full benefit of stream, project - combines Alternative 1 - Phase 1 & 2	
23 City of Bukerde Comal	Report City of Bulverde Mapping Improvements Lewis Croek Watershed Phase 2 Atemative Analysis Drainage	2016 Lewis Creek Main Lewis Creek Main	High Water Detection System	High water detection system	у ү	Y N -	. y .	Y N	N N Y	Y	Y - \$150,000 2016		City of Bu	herde N		
24 City of Castroville Medina	Report Castroville Drainage Master Plan Drainage Master Plan 20	2022 LC-3 – Athens Street Storm Drainage Improvements City of Castroville	Roadway Improvements	There is no existing drainage system drains the area. Regular rainfall causes widespread flooding, affecting roads, yards, and structures. This project proposes to analyze plan and construct a storm drain system. The project will		N					\$500,000					
25 City of Castroville Medina	Castroville Drainage Master Drainage Master Plan 20	2022 LC-4 -Maples Street Storm Drainage Improvements City of Castrovile	Storm drain improvements	also provide collection improvements and minor nodway drainage-scale improvements. An endoting characteristic protocol of the state of the scale of service is for below thatdard, causing widespread filocoling of node, yands, and structures. This project proposes to availage plan and construct lether a replacement system or opplementat characterism. The project like provide collection improvements and	N Y Y	N										
26				supportant at cohivplate. In groups will also provide coarcone improvements and minor roadway dangescalar improvements. Study of FIAI Creak and downersteam connectivity to Mediaa New: This proposed project will provide an updated detailed study including both current and expected ultimate watershed build out conditions.												
City of Castrovile Medina	Castroville Wish List Wish List 20	2022 Flat Creek Study City of Castroville		Furthermore this project will identify at-risk infractructure and detail opportunities for flood risk reduction. The project will provide mitigation plans and guidance to local government with regard to risks due to development and outline watershee wide solutions for planning purposes.	N Y Y	Y										
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										Steps defined per Task 4B Process Outline. Re						1								
SARFP: FN	IP/FME/FMS I	dentificatio	ion Process Table	e					Step 0		Step 1		Step 2-1: FMP	Sufficient Project ADDITIONAL INFO	Step 2-2: FME STUDIES	Step 2-3: FMS	Step 3	Step 4: P	oject Details/Feasibility	Step 4	-1: Additional Project Det	tails	Step 5	
										Delandar Fred	REPG Allows Exemption for not	STRUCTURAL Sufficient Data	NONSTRUCTURAL Sufficient Data No Negative Effect	(BCA, Cost Estimate, Identifier Mond for	Will Identify Structures, Population, and Critical Facilities at Cost Estimate	Has a Planning Level Estimated Flood Risk Cost Estimate or Flood Reduction				Atlas 14				
General ID	Community/Sponsor	County	Source Name	Source Type	Source Date Project Title	Project Location	Project Type	Project Description	Screening: Already completed?	Related to Flood Meets Emergency Mitigation/ Need Management Goal (FPR to define)	problem with DA > 1 mi^2 flood risk - Problem Area Size	Type of (Y/N) Exemption	(Y/N) (Y/N)	Struc/Pop/Crit.Facilitie s at Risk) (Y/N) (Y/N/D)	Risk (Y/N/C) (Y/N)	(Y/N) (Y/N)	Associated Goals Pr	oject Cost Project Cost Date	Operations and FMP ONLY Maintenance Cost Benefit-Cost Ratio Sponsor Veri	(Y/N/U) fied	Pre-Project	Post-Project	Public Comment/RFPG Response Notes	es FMP_ID FME_ID FMS
										(Y/N) (Y/N)	(Y/N/U) (Y/N/U) - Flood Risk Reduction (Y/N)	•								If "No" consider	Level of Service	Level of Service		
												If "No" consider FME	If "No" consider FME If "No" consider FME	If "No" consider FME If "ID" develop	If "No" consider FMS If "C" calculate cost	If "No" consider FMS* If "No" consider FMS	45*			additional FME for update				
								Planned development occurring north of the City lacks a defined conveyance system and potential downstream impacts to the City. This proposed project will provide an updated detailed study including both current and																
	City of Castroville	Medina	Castroville Wish List	Wish List	2022 New Development Study	City of Castroville	Hydrologic and Hydra Modeling	expected ultimate watershed build-out conditions. aulic Furthermore this project will identify at-risk infrastructure and detail opportunities for flood risk reduction.	4 Y	Y	Y													
20								The project will provide mitigation plans and guidance to local government with regard to risks due to development and outline watershed-wide solutions for planning purposes.																
25	City of Fair Oaks Ranch	Bexar	City of Fair Oaks Ranch Maste Drainage Plan	²⁷ Master Drainage Plan	2018 7840 Silver Spur Trail	7840 Silver Spur Trail	Low Water Crossing	Runoff collects from the northcide of the city and passes this point before passing under Keeneland then to the Cibolo Creek Poast Dak Creek low water crossing.									\$690	,000 2018					Need to upda with more information	
	City of Fair Oaks Ranch	Bexar	City of Fair Oaks Ranch Maste Drainage Plan	ar Master Drainage Plan	2018 29010 Tivoli Way	29010 Tivoli Way	Storm drain improvements, roadw	Utilize existing stormwater infrastructure by regrading the roadway to slope towards existing inlets and open channels on the north and south side of Windermere Dr on the east side of Fair Oaks Parkway. New curb installed along the west side of Fair Oaks									\$500	,000 2018					Need to upda with more	
30	City of Fair Oaks Ranch	Bevar	City of Fair Oaks Ranch Maste	ar Master Drainage Plan	2018 8410 Noble Lark Dr	8410 Noble Lark Dr	Channel improvements	Parkway to convey water towards stormwater inlet would also improve collection. ts, Regrade channel and install erosion control measures, repair the eroded foundation of									\$223	,066 2018					information Need to upda with more	date
31	City of Fair Oaks Ranch	Bexar	Drainage Plan City of Fair Oaks Ranch Maste Drainage Plan	ar Master Drainage Plan	2018 7900 Fair Oaks Parkway	7900 Fair Oaks Parkway	Culvert improvements	ts the culvert headwall New wall to prevent stormwater from passing into backyards.									\$10,0						information Need to upda with more	n date
33	City of Fair Oaks Ranch	Bexar	City of Fair Oaks Ranch Maste Drainage Plan	²⁷ Master Drainage Plan	2018 Ammann Road Low Water Crossing	Ammann Road Low Water Crossing		Low water crossing runs over the street due to insufficient culverts that pass under Amma nn Road.									\$1,1	24,334 2018					information Need to upda with more	date
34	City of Fair Oaks Ranch	Bexar	City of Fair Oaks Ranch Maste Drainage Plan	^{2r} Master Drainage Plan	2018 7420 Rolling Acres Trail	7420 Rolling Acres Trail	Low Water Crossing	Low Water crossing moves toward home on Meadow Creek Trail. Road Closure gate is deployed at this crossing during large storm events.									\$759	,566 2018					information Need to upda with more information	date
35	City of Fair Oaks Ranch	Bexar	City of Fair Oaks Ranch Maste Drainage Plan	²⁷ Master Drainage Plan	2018 8402 Battle Intense	8402 Battle Intense	Low Water Crossing	Battle intense is often shut down in large rain events. Debris collects and damages this low water crossing									\$3,4	21,454 2018					Need to upda with more information	
36	City of Fair Oaks Ranch	Bexar			Rolling Acres Trail LWC Flow-activated Sensors	d Rolling Acres Trail LWC	Low Water Crossing	water has surpassed the road.									\$400	,000 2022					Need to upda with more information Need to upda	n
37	City of Fair Oaks Ranch	Bexar	Karnes and Wilson Counties	-	Battle Intense LWC Flow-activated Sensors Maintain rivers and creeks and	Battle Intense LWC	Low Water Crossing	Develop and implement debris removal program(s) for creeks and tributaries leading into										,000 2022	Karnes Count	Y			with more information	
38	City of Falls City	Karnes	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Maintain rivers and creaks and crossings to a higher standard 2020 Inventory of residences in floodplain	City of Falls City	Education and Awarer	In the San Antonio River to mitigate against flooding from lack of conveyance or debris blocking drains aness identify residential structures that are located in flood zones or high hazard areas and	N	N		- N	· ·	- N	N N	N N	- \$50,0	2020	HMT, SARA	· N ·				
35	City of Falls City	Karow	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Inventory of residences in floodplain 2020 Update flood information and policies		Programs	develop plan and implement a program for floodproofing or acquisition. Identify and compile information on flood hazard areas and residential property in flood aness, establish and implement a volunteer acquisition / elevation program based on	N			. P		, n		N N		,000 2020	HMT, SARA	y N				++++
40		Contract	Hazard Mitigation Plan				Regulations	the 100-year flood event. Identify all critical and community facilities that are deemed necessary for emergency	N	N				N	**************************************				HMT, SARA		-			
41	City of Falls City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Harden critical facilities	City of Falls City	Structure and Infrastructure	operations and conduct a structural assessment for multiple hazards to determine if retrofits are necessary. Implement measures to mitigate risks.	N	N	U N -	- N		- N	N N	N	- \$120	,000 2020	Karnes Count HMT, SARA	* N -				
42	City of Falls City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Flood insurance education and awareness	City of Falls City	Education and Awaren Programs	Provide educational materials online, and to real estate and insurance agencies, to increase community understanding of flood insurance. Hold a town hall meeting with NFIP representatives to discuss the insurance purchase process.	N	N	U N -	- N		- N	N N	N	- \$5,0	2020	City, Karnes County, TWD SARA					
	City of Falls City	Karnes	Karnes and Wilson Counties Hazard Mikigation Plan	Hazard Mitigation Plan	2020 Study the San Antonio River and its tributes	City of Falls City	Local Plans and Regulations, Structure Infrastructure	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 gauges and develop a study to identify solutions to flooding. SARA completed a study but County officials wary due to lack of coordination and results.	N	N	U N -	- N		- N	N	N	- \$250	,000 2020	Local, County TWDB, HMGI PDM					
	City of Falls City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 San Antonio River drainage ownership study	P City of Falls City	Education and Awaren Programs, Natural Sys Protection	make or occurrentiation and reaction. ansess Develop ownership and access understanding parcels fronting the San Antonio River and system major relations to have better agreements and access to areas that need flood control mitigation and erosion control	N	N	U N -	- N		- N	N	N	- \$30,0	2020	Local, TWDB, SABA	N -				
44	City of Falls City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Develop public education program	City of Falls City	Education and Awaren Programs	Develop and loads were a set because of a bit and a set of a set o	N	N	U N -	- N		- N	N N	N N	- \$10,0	2020	Local, TDEM	N -				
	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Enhance floodplain management	City of Floresville	Local Plans and Regulations	Assess existing flood plain management ordinances and recommend 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,	r y	Y	N N Y	- Regulatory and Guidance	N -		N Y	Y N	- Flood warning and readiness \$200	,000 2020	City Council, Floodplain . Manager, Planning	υ -				
46	City of Floresville	Milron	Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Flood early warning system	City of Floresville	Structure and	Base Flood Elevation (BFE) height requirements, and green infrastructure Identify roadways that are submerged during high frequency rain events and develop and implement a flood/high water early warring system to notify city, county, and first	, ,		v N v	-Flood Warnings					- Flood warning	,000 2020	Planning Department . Engineering, Planning					
47	City of Floresville	Wilson	Hazard Mitigation Plan Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	Early Warning Strens to installed at strategic locations within the city	City of Floresville	Structure and Infrastructure	Currently sizes cannot be heard city wile area of 4.75 sq. mile. Provide sizes sites, with electrical service and sizes poles.	, v		N N Y	Measurements N			· · ·		and readiness	,000 2020	Planning	U -				
45	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Update IBC to 2015 version and enfor building codes	rce City of Floresville	Local Plans and Regulations	electrical service and siren poles. The city will adopt and enforce the measures and guidelines of IBC 2015. This will increase the resilience of structures to natural hazards	r y	Y	N N Y	warning systems Regulatory and Guidance	N -	- N	- ¥	Y N	Flood warning and readiness \$75,0	2020	- City Council, 0 Manager, Co	se U -				
45	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Update community warning system - reverse 911	City of Floresville	Education and Awarer Programs, Local Plans	aness Implement a community warning system to alert citizens in the event of an emergency. s and Work with providers and Wilson County to coordinate and assist with outreach and	r Y	Y	N N Y	-Education and Outreach - Flood early N			v v		- Flood warning and readiness \$30,0	2020	- Enforcement Wilson Count - City Manager	y.				
50	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Floresville 2 - Drainage Improvements at Identified Hazardous Crossings	5 City of Floresville	Regulations Structure and Infrastructure	education of warning systems. Consult SARA San Antonio River lower watershed plan and to identify and rank improvements to mitigate flooding at low water crossings and improve reliability of	r ¥	Y	N N Y	warnine systems - Flood Warning and N		. ¥	- ¥			10,000 2020	City Council City Council Engineering, Planning	υ -				
51	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2021 Structural Hardening of Critical Facilities	City of Floresville	Structure and Infrastructure	transportation system durine hazardous events Review opportunities and implement findings to harden critical facilities against impacts of all hazards and implement findings	Y	Y	N N Y	Flood Proofing	N -	- ¥	Y Y	- N	-Flood Prevention \$200	,000 2020	- Public Works	u -				
	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Develop and adopt a Stormwater Master Plan	City of Floresville	Education and Awaren Programs, Local Plans	Phase I: Undertake storm water drainage study for the City of Floresville to protect people and property from flood events, manage the stormwater pipe system, enhance streams and floodplains, and recommend policy and regulatory enhancements. Phase II: Implement recommendations from study of most critical flood control improvements, low	Y	¥	Y N Y	- Regulatory and Guidance	N -		y y	Y N	- Flood Studies and Analysis \$350	,000 2020	City Manager Floodplain Manager,	, U -				
53			The second s		Prink Anti Panto			water crossing upgrades. Designate a local floodplain manager and provide education materials online, and to real				Condition					and ready to		Engineering					
	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Improve Compliance with NFIP	City of Floresville	Education and Awaren Programs, Local Plans	estate and insurance agencies to increase community understanding or flood insurance. Hold a town hall meeting with NEP representatives to discuss the insurance purchase s and process. Enter the Community Rating System (CRS) program to enable reduced insurance premiums with the community. The first priority is to establish a program for public	Y	¥	N N Y	-Education and Outreach	N -		- ¥	Y N	- Education and Outreach \$20,0	2020	Floodplain Manager	u -				
54							inguations.	Information (PPI) with a PPI committees as suggested by activity 332 of the CPS coordinator's Manual. Develop an Emergency Response Plan to identify vulnerabilities in the water treatment				- Execution or												
	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Water System Emergency Response Plan	City of Floresville	Local Plans and Regulations Education and Awaren	and delivery systems and address possible water supply distribution or contamination scenarios.	Y	Y	N N Y	Structures -Regulatory and	N -		N -	Y N	- Flood Warning and Readiness \$250	,000 2020	- Engineering Department	u -	-			
	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Online GIS	City of Floresville	Programs, Local Plans Regulations	s and Offer GIS hazard mapping online for residents and design professionals	Y	¥	N N Y	-Education and Outreach	N -		N -	Y N	Outreach	,000 2020	Planning & Engineering					
57	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 NDAA Weather Radios	City of Floresville	Education and Awares Programs	Purchase and distribute NCAA Weather Hadios with uniform technology	Y	Y	N N Y	-Education and Outreach	N -		N -	Y N	Education and Outreach S10,0		. City Manager City Council	-				
	City of Floresville	Wilson	Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Citizen flood education outreach	City of Floresville	Programs Structure and	Educate citizens about mitigation strategies prior to any flood conditions, including dangers of debris flooding roads and how to best floodproof homes and businesses. Establish and implement a voluntary "acquisition and demolition program", "acquisition net drawture soloration program". The use along the program "acquisition of the solution soloration program".	Y	Y	N Y	-Education and Outreach	N -	•	N -	Y N	- Education and Outreach \$10,0		City Council, 0 Manager, ISD	· · ·				
55	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Property acquisition and demolition and/or relocations	City of Floresville	Infrastructure, Local Plans and Regulations	loss, flood prone properties. Keep lands subject to repetitive flooding in natural state in perpetuity.	Y	Y	N N Y	Regulatory and Guidance respiratory	N -		N -	Y N	-Flood Prevention \$1,50		· · Planning	U -				
60	City of Floresville	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Develop Funding Mechanism for Floo Mitigation	City of Holestein	Local Plans and Regulations Education and Awaren	Implement impact fees and drainage utility fees to fund improvements to the municipal drainage and flood control network.	Y	Y	N N Y	requirements for reduction of	N -	-	N Y	Y N	Currentin	,000 2020	City Manager City Council	· u .	-			
61	City of Karnes City	Karnes	Karnes and Wilson Counties Hazard Mikigation Plan	Hazard Mitigation Plan	2020 Update flood information and policies	s City of Karnes City	Programs, Local Plans Regulations	s and FEMA protocol in association with SARA studies, and review permitting process based on the 100-year flood event.	N	N	U N -	- N		- N	N N	N	- \$100	,000 2020		N -				
62	City of Karnes City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Flood insurance education and awareness	City of Karnes City	Education and Awaren Programs	NFIP representatives to discuss the insurance purchase process.	N	N	U N -	- N		- N	N	N	- \$5,0	2020		N -				
63	City of Karnes City	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 San Antonio River drainage ownership mapping			Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control	N	N	U N -	- N		- N	N N	N	- \$30,0			N -				
64	City of Karnes City	Karnes	Karnes and Wilson Counties Hazard Mikigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Inventory of residences in floodplain		Programs	Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquisition. Develop and implement debris removal program(s) for creeks and tributaries leading into	N	N	U N -	- N		- N	N N	N N	- \$50,0		Karnes Count HMT, SABA Karnes Count					
65	City of Kenedy	Karnes	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Maintain rivers and creaks and crossings to a higher standard 2020 Inventory of residences in floodplain	City of Kenedy	Education and Awarer	action the San Antonio River and establish voluntary public programs to mitigate against flooding from lack of conveyance or debris blocking drains aness Identify residential structures that are located in flood zones or high hazard areas and	N	N		- N	· ·	- N	N N	N N	- \$50,0		HMT, SARA Karnes Count					
66	City of Kenedy	Karnas	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Inventory of residences in floodplain 2020 Update flood information and policies		Programs Education and Awaren Programs, Local Plans	develop plan and implement a program for floodproofing or acquisition. develop plan and implement a program for floodproofing or acquisition. Heating and compile information on flood hazard areas and residential property in flood banes, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process based on	N			. N		. N	N N	N		,000 2020	HMT, SARA Karnes Count	v. N				
67	City of Kenedy	Frence	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 Update mood information and policies 2020 San Antonio River drainage ownership			E and FEMA protocol in association with SARA studies, 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 access to areas that need flood control								N N	- \$100		HMT, SARA Karnes Count		-			
68		Variant Variant	Hazard Mitigation Plan Karnes and Wilson Counties		2020 mapping 2020 Flood insurance education and awareness	City of Menedy	Education and Awaren	mbgation and erosion control Provide educational materials online, and to real estate and insurance agencies, to	N	N		N		N	N N	N N	- \$30,0		SARA City Manager Karnes Count EMS, FEMA,		-			
65	City of Kenedy	Variant No.	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	Provide generators at all critical and	City of Kenedy	Programs Structure and	NETPreprentatives of dataseting of index maintice, index from the message was NETPreprentatives do dataset the index maintice process. Purchase and install portable generatory' stationary generators to keep government and	N	N		N		. N	N N			,000 2020	SARA, AACOG Emergency Management		-			
70	City of Kenedy	Variant Variant	Hazard Mitigation Plan Karnes and Wilson Counties	Hazard Mitigation Plan	2020 government facilities 2020 Harden critical facilities	City of Kenedy	Infrastructure Structure and	critical facilities operating during loss of electrical power.	N	N		N		N	N N	N N		,000 2020	County Karnes Count	· ·	-			++++
71		Contract	Hazard Mitigation Plan				Infrastructure Education and Awarer	operations and conduct a structural assessment for multiple hazards to determine if retrofits are necessary. Implement measures to mitigate risks.	N	N					N				HMT		-			
72	City of Kenedy	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Emergency Warning Sirens	City of Kenedy	Programs, Local Plans Regulations	s and Warning sirens needed throughout city such as in main street and park areas	N	N	U N -	- N		- N	N N	N		,000 2020	City Manager EMS, EMC	^ N -				
73	City of Kenedy	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 Develop public education program	City of Kenedy	Education and Awaren Programs	on how to mitigate their homes from all hazards through distribution of pamphlets, flyers, and social media. This action will create a program to educate the public about specific mitigation actions	N	N	U N -	- N		- N	N N	N N	- \$10,0	2020	City Manager	N -	-			
	City of La Coste	Medina	Medina County HMAP Adopted	Multi-Hazard Mitigation Plan	2020 Public Education & Outreach	City of La Coste	Education and Awaren Programs	for all hazards, including but not limited to participation in NFIP, Wildfire Fuels Reduction, Structural Hardening, developing a newsletter to residents and business owners to educate and inform them of area hazards and protection and mitigation steps they can	Y	Y	N N Y	-Education and Outreach	N -		N Y	Y	- Education and Outreach							
74	City of La Coste	Medina	Medina County HMAP Adopted	Multi-Hazard Mitigation	2020 New Drainage Analysis to Update/Revise Flood Maps	City of La Coste	Structure and	take to protect their lives and property, etc This action proposes performing a new drainage analysis for the community to update/revise Flood Maps to better identify areas subject to this Hazard; last study	Y	Y	N N Y	- Flood Warning and N			у У		- Flood Studies and Analysis							
75	City of La Coste	Medina	Medina County HMAP Adopted	Multi-Hazard Mitigation	2020 Wet-Proof Wastewater System	City of La Coste	Structure and Infrastructure	completed in September 1977. This action proposes "wet-proofing" components of the Wastewater Treatment Plant and sewer lines to minimize/prevent infitration of storm/flood waters.	Y	Y	N N Y	-Flood Proofing -	N -	- ¥	. Y		-Flood Prevention							
77	City of La Vernia	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	2020 New Flood Control Infrastructure	City of La Vernia	Structure and Infrastructure	Study to determine master drainage plan construction of drainage culverts, acquisition of flood prone lands for detention or retention and implement findings.	Y	Y	Y N Y	-negulatory requirements for reduction of	N -	-	Y Y	Y N	Flood Studies and Analysis \$2,50	20,000 2020	- Public Works	u -				

	1P/FME/FMS Ide	ntification								fined per Task 48 Process Outlin				0		51	61. 00 P					4-1: Additional Proie		6	
SARP: P			rocess rable						Step 0		Step 1			Step 2-1: FMP	Sufficient Project Details ADDITIONAL INFO	Step 2-2: FME STUDIES STUDIES	Step 2-3: FMS	Step 3	Step 4	Project Details/Feasibility	Step	4-1: Additional Project	t Details	Step 5	
										d to Flood Meets Emerge	ncy Addresses flood Reduces 100-year	REPG Allows Exemption for not meeting;	STRUCTURAL Sufficient Data (Y/N)	NONSTRUCTURAL Sufficient Data (Y/N) (Y/N)	(BCA, Cost Estimate, Struc/Pop/Crit.Facilitie	Will Identify Structures, Population, and Critical Facilities at Cost Estimate	Has a Planning Level Cost Estimate Estimated Flood Risk or Flood Reduction			Operations and FMP ONLY	Atlas 14 (Y/N/U)	FMP ONLY	FMP ONLY		
General ID	Community/Sponsor	County	Source Name Source Type	Source Date	e Project Title	Project Location	Project Type	Project Description	completed? Manage	igation/ Need ement Goal (FPR to defin Y/N) (Y/N)		- Problem Area Size Exer	peof	(Y/N) (3745)	s at Risk) Engineering Evaluation (Y/N) (Y/N/D)	Nisk (Y/N/C) (Y/N)	(Y/N) (Y/N)	Associated Goals	Project Cost Project Cost	ate Cost Benefit-Cost Ratio Sponsor Verifi	ed	Pre-Project Level of Service	Post-Project Level of Service	Public Comment/RFPG Note Response Note	FMP_ID FME_ID FMS_ID
										(1/4)	(1/10)	(Y/N)	If "No" consider FME	If "No" consider FME If "No" consider FME	If "No" consider FME	If "No" consider FMS	If "No" consider FMS* If "No" consider FMS'				If "No" consider additional FME for				
								The wastewater treatment plan is particularly susceptible to rain events and need to be													update				
7	City of La Vernia	Wilson Ha	nes and Wilson Counties ard Mitigation Plan	2020	Additional flood proof at wastewate treatment plant	er City of La Vernia	Structure and Infrastructure	floodproofed. If floodproofing does not meet the cost-benefit threshold, a new wastewater treatment plant needs to be built outside of the floodplain.	Y	Y	N	Y -Flood F	Proofing -	N -	. ¥	- ¥	Y N	-Flood Prevention	350,000 2020	Public Works	U -	-			
	City of La Vernia	Wilson Ka	nes and Wilson Counties ard Mitigation Plan	2020	Develop and implement Stormwater Management Plan	" City of La Vernia	Structure and Infrastructure, Local Plans and Regulations	More than half the land area in Gity of La Vernia is within the 100-year floodplain of Cibolo Creek per the current FEMA Flood Insurance Rate Maps. 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 rest of the city. Conduct a detailed hydrologic and hydraulic study.	Y	ч	Y N	Y -Waters Plannin	shed . Ng	N -		v v		- Flood Studies and Analysis	1,500,000 2020	Planning, Engineering	u -				
7		ка	nes and Wilson Counties				Structure and	and from the results, develop a flood protection plan for Cibolo Creek. The elevated storage tower, 3 lift stations, and wastewater treatment plant are all within										- Non-Structural Flood							
	City of La Vernia	Ka	Hazard Mitigation Plan Hazard Mitigation Plan Hazard Mitigation Plan Hazard Mitigation Plan	2020	Harden Critical Facilities	City of La Vernia	Education and Awareness	the 100-year floodplain or floodway. Appropriate methods to harden these facilities against flooding and other impacts from hazards will be explored and implemented. Implement public education and outreach programs to educate citizens about mitigation	¥	Ŷ	Y Y	-Educat	Proofing N		· · · · · · · · · · · · · · · · · · ·	N Y	Y N	Projects - Education and	500,000 2020	- Public Works Office of Emergency					
	City of La Vernia		nes and Wilson Counties	2020		City of La Vernia	Programs Natural System Protection, Local Plans	⁵ against hazards; seek partnership with county neighboring communities and San Antonio River Authority. Offer relocation/mitigation incentives to current flood hazard area property owner.	Y Y	A.	N N	Y Outread - regula Guidan	acory and	N -		N Y	Y N	Contenent	5,000 2020	Management, Omca or Emergency	u .				
8	City of Leon Valley	Bexar	jects for Flood Risk in SARA Project List	2016	Antonio Drive Drainage Improvemen	nts Los Reyes Creek at Antonio Dr	and Regulations Low water crossing improvement	initiate a community program to acquire repetitive loss structures identified by FEMA. Bridge at Los Reyes Creek and Antonio Dr	Y	Y	Y Y		Y Y		- ¥	Y Y			2,982,000 2016		N -	-			
8	City of Leon Valley City of Leon Valley	Bexar	jects for Flood Risk in SARA Project List jects for Flood Risk in ones SARA Project List	2016	Detailed Study of Culebra Creek Trib Detailed Study of Trib 3 to Helotes Creek Trib C		Watershed Study Watershed Study	Detailed H&H study of Culebra Creek Trib C Detailed H&H study of Trib 3 to Helotes Creek Trib C	Y Y	N	Y N Y N	· ·	N	· · ·	- ¥	Y N	N N		-	· · ·		-		-	
	City of Leon Valley	Bexar Hu	zbner Creek CAP 205 USACE Feasibility Study	2021	Huebner Creek Flood Control Projec Segment 1	t Starting at Bandera Rd Bridge to Cherryleaf and Poss Rd	Channel improvements	The channel will be widened to 50" in front of Raymond Rimkus Park (6440 Evers Road) and then widened more from the park to the bridge.	Y	-	υυ		Y.		. ¥	Y C		-	-		¥ -	-			
	City of Poth	на	nes and Wilson Counties and Mitigation Plan	2020	Mitigate local flooding in identified problem areas	City of Poth	Local Plans and Regulations	Identify problem flooding areas and implement a program to reduce localized flooding	N	N	U N		N		. N	N N	N	-	5,000 2020	City of Poth, IS Police, Fire	D N .				
	City of Poth	Wilson Ha	nes and Wilson Counties ard Mitigation Plan	2020	Strengthen floodplain management ordinances	City of Poth	Local Plans and Regulations	Adopt higher floodplain standards for new development Conduct a feasibility study that evaluates the coverage area, property ownership and	N	N	U N								25,000 2020	Engineering , Planning	N -				
	City of Poth	Wilson Ha	nes and Wilson Counties ard Mitigation Plan	2020	Install early warning systems	City of Poth	Education and Awareness Programs, Structure and Infrastructure	⁵ availability, power requirements, telemetry requirements, technology, cost, and other local considerations. Based on study findings, install an emergency warning systems citywide	N	N	U N		N	N	N N	N N	N		100,000 2020	City Council, Police	N -				
9	City of Poth	H	nes and Wilson Counties and Mitigation Plan	2020	Adopt ordinances that enforce floor mitigation strategies	d City of Poth	Local Plans and Regulations	Institute fine for trach or wooded build-up in creek or for going around barricades setup to prevent vehicles going over flooded crossings	N	N	U N								5,000 2020	City Council	N -				
9	City of Poth	Wilson Ha	nes and Wilson Counties ard Mitigation Plan Hazard Mitigation Plan	2020	Education Signage	City of Poth	Education and Awareness Programs Education and Awareness	s Install educational signage such as "Turn around don't drown" at high risk low water crossings.	N	N	U N		N	N	N N	N N	N		5,000 2020	City, Public Wo	rits N -	-			
	City of Poth	-	nes and Wilson Counties ard Mitigation Plan	2020	Digital signage for communication	City of Poth	Programs, Structure and Infrastructure	Coordinate with school district to use sign on US 181 for emergency info and safety directions during hazard events.	N	N	U N		N	N	N	N	N		5,000 2020	ISD, Gty	N -	-			
9	City of Poth	Wison Ha	nes and Wilson Counties Lard Mitigation Plan Hazard Mitigation Plan		Early warning system education	City of Poth	Programs	s Alert the population through education material, media and other methods about enrolling in the early warning system	N	N	U N		N	N	N N	N N	N		5,000 2020	Country, Emergency mg	mt. N -	-			
9	City of Poth	Wilson Ha	nes and Wilson Counties and Mitigation Plan nes and Wilson Counties	2020			Natural System	Install automated systems at low-water crossings with high rate of vehicular access resulting in frequency of accidents and loss of life.	N	N	U N		N	N	N N	N N	N N	·	250,000 2020	Police, Public Works Engineering,	N -				
9	City of Poth	Histori Hi	and Mitigation Plan		Structural Hardening of Critical	City of Poth	Protection, Structure and Infrastructure Structure and	Welcomas Creek nas a notoppan char runs through the cinter or the city, instant stream gauges and identify alternatives to mitigate flooding. Implement study findings. Harden critical facilities against impacts of all hazards.	N	N			N	N N	N N	N N	N N		200,000 2020	Planning Public Works	N -				
9	City of Poth	H	ard Mitigation Plan Hazard Mitigation Plan nes and Wilson Counties ard Mitigation Plan Hazard Mitigation Plan		Facilities Build Detention Pond	City of Poth	Infrastructure	Phase I: Perform a study to evaluate Poth Branch Watershed - Phase II: Purchase land and construct a drainage infrastructure facility in accordance with the engineering	N	N	- "		N	N N	N N	N N	N N		100,000 2020	City Council	N .				
9	City of Runge		nes and Wilson Counties and Mitigation Plan Hazard Mitigation Plan	2020	Study the San Antonio River, Ojo de Agua Creek and its tributaries	City of Runge	Local Plans and Regulations, Structure an	recommendations of the study. Install steam gauges and develop a study to identify solutions to flooding. Implement engineering findings to reduce and mitigate risks.	N	N	U N		N		- N	N N	N N		250,000 2020	City Council, County, SARA,	N -				
9	City of Runge	Karoor Ka	nes and Wilson Counties card Mitigation Plan	2020		1 City of Runge	Infrastructure Structure and Infrastructure	Purchase and install portable generators/ stationary generators to keep government and critical facilities operating during loss of electrical power.	N	N	u N		N		- N	N N	N N		100,000 2020	Public Works Emergency Management/ County					
	City of Runge	Karnes Ka	nes and Wilson Counties ard Mitigation Plan	2020	Harden critical facilities	City of Runge	Structure and Infrastructure	identify all critical and community facilities that are deemed necessary for emergency operations and conduct a structural assessment for multiple hazards to determine if retrofits are necessary. Implement measures to mitigate risks.	N	N	U N		N		. N	N N	N N		120,000 2020	Karnes County, HMT	. N				
10	City of Runge	Karnes	nes and Wilson Counties	2020	Flood insurance education and	City of Runge		Provide educational materials online, and to real estate and insurance agencies, to	N	N	U N		N		- N	N N	N N		5.000 2020	City Manager, Karnes County					
10		Ha	nes and Wilson Counties Hazard Mitigation Plan		awareness			Increase commulty understanding of flood insurance. Hold a town hall meeting with NFIP representatives to discuss the insurance purchase process. Identify and compile information on flood hazard areas and residential property in flood poses, exability and implement a volunteer acquicition / elevation program based on FEMA ontotool in association with SAAR studies, and review emethics process based on												EMS, FEMA, SARA, AACOG Karnes County,					
.10	City of Runge	-	ard Mitigation Plan	2020	Update flood information and polici San Antonio River drainage ownersh			the 100-year flood event. Develop ownership and access understanding parcels fronting the San Antonio River and	N	N	U N		N		- N	N N	N N	*	100,000 2020	HMT, SARA Karnes County,	· N -				
.10	City of Runge	Names Ha	ard Mitigation Plan		mapping	City of Runge	Programs	migration of accession control mitigation and erosion control Develop and implement debris removal program(s) for creeks and tributaries leading into	N	N	U N	-	N		- N	N N	N N		30,000 2020 50,000 2020	SARA Karnes County	- N -				
.10	City of Runge	Karnes Ka	nes and Wilson Counties	2020			Education and Awareness	flooding from lack of conveyance or debris blocking drains Identify residential structures that are located in flood zones or high hazard areas and	N	N	U N		N		. N	N N	n n		50,000 2020	HINT, SARA Karnes County, HINT, SARA	- N -				
10	City of Runge	-	ard Mitigation Plan nes and Wilson Counties ard Mitigation Plan Hazard Mitigation Plan		Develop public education program	City of Runge	Education and Automotor		N	N	U N		N		. N	N N	N N		10,000 2020	City Manager	N -				
10	City of San Antonio	Bexar Se	ling Phase IV PER Preliminary Engineering	2021	Seeling Drainage Improvements Pha	Seeling Blvd from Lowery Dr to Donaldson Ave; Placid Dr from Pardo Cir to Oriole Dr; Palm Dr	D Storm drain improvements, channel	and social media.	Y		v v		y.	- ¥	Y .				11,490,000 2021	- 0.86 City of San	Y			Need to up with more	ate
10			Report		v	from Oriole Ln to E Cheryl Dr. Dellwood Drive and Shadywoo		Ussizing the boxes underneath Dellwood Drive and Oblate Drive. The improvements will												Antonio City of San				information Need to up	
.10	City of San Antonio	Bexar			Barbara Drive Ph 3	Barbara Drive Delwood Dr from Springwood	improvements Storm drain	also include reconstruction of the street and curb for the portion of Dellwood Drive and Oblate Drive within the project boundary Upsizing the boxes underneath Dellwood Drive. The improvements will also include reconstruction of the street and curb for the portion of Dellwood Drive within the project	Y											Antonio				with more information Need to up with more	
.10	City of San Antonio	Decen			Barbara Drive Ph S	Lane to Shadywood Lane	improvements Storm drain	boundary. Enlarging the open channel, upsizing the boxes underneath portions of El Montan												City of San				information Need to up with more	ate
11		bexar			Thames Drainage Channel Replacem	Ave to Springwood Lane	improvements Storm drain	Avenue, Pinewood Lane and Delwood Drive. The improvements will also include reconstruction street and curb for the street portions with boxes underneath. Replace the existing culverts at Blanco Rd, San Pedro Ave, Thames Dr, Private Dr and												Antonio City of San				Need to up with more	
11	City of San Antonio	Bexar			Alt 1	Blanco Rd to Langton Dr (NSN Rock Creek Channel from Loop		Dorsets. Reducing the height of the drop structure at the Olmos Creek outfall, Bridge	Y											Antonio City of San				information Need to up	ate
11	City of San Antonio	Bexar			Rock Creek - Alt 1	410 to Olmos Creek (NSM) Symphony Lane & E Pyron Ave	roadway improvements	Paradacting the megin of the drop structure at the Units Creak dottal, Brage replacements will be required for both the railroad crossing and West Ave. Purchase 32 properties located west of the San Antonio River Symphony Reach, and along	Y		¥		Y		N Y	Y Y	· ·		15,860,000 2016	City of San	+			with more information Need to up	
11	City of San Antonio	Bexar			Symphony Lane (BUYOUT)	to SE Military Nogalitos to IH 35- Outfall	Channel improvements.	Pyron Ave and Symphony Lane. Channel improvements from Nogalitos Street to Probandt Street outfalling to the SA											9,410,000 2019	Antonio	+ +			with more information Need to up	ate
11	City of San Antonio	Bexar			Concepcion Creek	Nogaintos to IH 35- Outrall from S. Flores to SA river	Low water crossing and	River Floodway. Bridge crossing improvements at S. Flores St. and Probandt Street, box culverts installation at Edwardo St., Theo St., and Malone St.												City of San				with more information Need to up	
11	City of San Antonio	Bexar			Judson and Lookout LWC Improvem Holbrook Road Improvements	woodburn Rd to approximate	channel improvements	Upgrade the low water crossings and the connecting/downstream channel Offset a portion of the roadway south of Woodburn Rd					_							Antonio City of San	+ +			with more information Need to up with more	ate
11	City of San Antonio City of San Antonio	Bexar			Holbrook Road Improvements	2,700 feet south Shady Lane Drive	Property acquisition	Offset a portion of the roadway south of Woodburn Rd This project consist primarily of property buy-outs within the floodplain to mitigate structural floodine to those encoerties.											1,130,000 2019	Antonio City of San Antonio	+ +			information Need to up with more	ate
11	City of San Antonio	Bexar			Huebner Creek/Huebner Creek Trib.	Control in the second second		structural flooding to those properties. Construction of a Regional Storm Water Facility (RSWF, detention basin) on approximately 35 Acres (ROW to be acquired) at confluence of Huebner and Tributary to											19,401,969 2010	City of San	+ +			information Need to up with more	ate
11			nes and Wilson Counties		RSWF (Eckhert RSWF)	of Eckhert	Structure and	Huebner Creek. The water plant, emergency services Building and City Hall lose power under variety of rain events. There is an immediate need for stand-by power generation and a long-term												Antonio Engineering,	-			information	
11	City of Stockdale		has and Wilson Countries Fard Mitigation Plan	2020	Harden Critical Facilities	City of Stockdale	Infrastructure	rain events. There is an immediate need for stand-by power generation and a long-term need to harden these facilities to less hazardous areas. The City of Stockdale has 48 hours of emergency water storage. Stockdale Creek, as tributary of Clinton Branch which flows into Cibolo Creek, does not	N	N	U N		N	N	N N	N N	N N	-	500,000 2020	Planning, Publi Works	c N .				
	City of Stockdale	Wilson	nes and Wilson Counties Hazard Mitigation Plan	2020	Develop and implement a Stormwat	ter City of Stockdale	Education and Awareness Programs, Structure and	Stockala Creek, as tributary of Clinton Branch which flows into Clobol Creek, does not have unficient capacity to contain floodwater as it flows through the center of Stockdias. The railcad on the east side of town used to act as a levee, but when it was removed flooding was exacerbade throughout the city. One major impact during flooding is that the EMS is located on the north side of town at the VE and is cuteff from the majority of		N	U N		N	N	N	N	N	.	1,200,000 2020	City Council, Planning,	N				
		H	ard Mitigation Plan		Management Plan for Stockdale Cre	NIK	Infrastructure, Local Plan and Regulations	the city in a flood. A study needs to be conducted to identify solutions. Engineering recommendation to be implemented.												Engineering					
	City of Stockdale	Wilson Ha	nes and Wilson Counties ard Mitigation Plan	2020	Maintain Drainage System	City of Stockdale	Natural System Protection	mprove storm water drainage within residential and commercial areas by removing brush and debris, opening and widering waterways, restricting building in the flood zone, and widering bridges. Status or project was 90% complete in 2012 plan awaiting purchase of	N	N	U N		N	N	N	N	N		2,000,000 2020	Engineering, Planning, Publi Works	c N -				
12	City of Stockdale	Wilson	nes and Wilson Counties	2020	Drainage improvements to wastewa	ater City of Stockdale	Structure and	two remaining properties. A drainage improvement was completed in 2018 with 2015 disaster relief funding. Internal optimizer work build and the close of the work how work increased. Euclidea and		N	U N		N	N	N	N N	N		800,000 2020	Engineering, Planning, Publi	6 N				
12		H	ard Mitigation Plan	2020	treatment plants		Infrastructure	improvements are still needed to connect 2 and 3 and cross CR401 to increase discharge capabilities. The diameter of the outfall pipe will be increased from 8in to 15in.						, , , , , , , , , , , , , , , , , , ,			, , , , , , , , , , , , , , , , , , ,			Works	· · · ·				
12	City of Stockdale	Wilson Ha	nes and Wilson Counties and Mitigation Plan	2020	New Bridges on 6th and 8th Streets	City of Stockdale	Structure and Infrastructure	New construction of waterway bridges on 6th and 8th Streets crossing Stockdale Creek. Lift elevation profile of the two bridges that provide access to critical facilities and services within the city as well as access from the City to the surrounding region	N	N	U N		N	N	N	N	N	-	500,000 2020	Engineering, Planning, Publi Works	c N -				
12	City of Stockdale	Wilson Ha	nes and Wilson Counties and Mitigation Plan	2020	an actions and critical racines	City of Stockdale		Power loss during hazard events is a common occurrence and standby generation for all critical facilities needs to be implemented as well as long-term solutions to the provision of electric service to critical facilities.	N	N	UN		N	N	N	N	N	-	250,000 2020	Public Works Stockdale ISD.	N -				
12	City of Stockdale	H	nes and Wilson Counties ard Mitigation Plan	2020	property	DI City of Stockdale	Structure and Infrastructure	Install a Detention/Retention pond and reservoir to store excess stormwater on school property along Fordtran Street Obtain printed detailed instruction checklist and other education brochures for	N	N	U N		N	N	N N	N N	N N		1,500,000 2020	Public Works, Engineering					
12	City of Stockdale	Wilson	nes and Wilson Counties ard Mitigation Plan	2020	Education to homeowners on all hazards	City of Stockdale	Education and Awareness Programs	bomeowners to mitigate the threat of hazards to their homes. Distribute information through information booths at public events, social media, and webpages with links to severe weather-related agencies.	N	N	U N		N	N	N N	N N	N		10,000 2020	Emergency Management, Stockdale ISD	N -				
12	City+B101:2101 of Fair Oaks Ranch	Dr	r of Fair Oaks Ranch Master Master Drainage Plan	2018		7820 Rolling Acres Trail	Low Water Crossing Flood early warning	Low water crossing. Road closure gate is deployed at this crossing during large storm events.	×	-	U U		Y		N	Y			685,000 2018					Need to up with more information	
12	DeWitt County Floresville	Wilson W	DB FIF TWDB FIF son County Watershed ster Plan Watershed Master Plan	2021 2012	Network Damage Center 1: Project 1A	DeWitt County	systems Structure and Infrastructure	Flood Warning System & Stream Gage Network Detention upstream of Lost Springs Hollow along with some channel work	Y Y	¥	Y Y		Y	. ¥	N				5 2,000,000						
13	Floresville	Wilson W	son County Watershed ster Plan Watershed Master Plan son County Watershed	-	Damage Center 1: Project 1B Damage Center 1: Project 1C	Hwy 181 at Lodi Branch Hwy 181 at Lodi Branch	Structure and Infrastructure Structure and	Upgrade Hwy 181 crossing at Lodi Branch (contingent of Project 1A) Channelizing Lodi Branch (contingent on Project 1A and 1B)	Y v	Y	Y Y		Y Y	. ¥	N				5 200,000						
	Floresville	Wikon W	ster Plan Watershed Master Plan watershed Master Plan Watershed Master Plan		Channelization south of 4th St betw D and E Streets (Floresville)	veen South of 4th St between D an E Streets	Infrastructure d Structure and Infrastructure	The channelization project would add 8 feet to the left bank of the channel, and the depth would be kept at its existing elevation. The project would remove two structures adjacent		Y	Y Y		Y	. Y	N				\$ 100,000		+ +				
13	Goliad County	Goliad			Manage vegetation on Eighteen Mil- Creek between CR 199 and CR 884 in Weesatche (Goliad E)			to the stream from the floodalain. Manage vegetation on Eighteen Mile Creek between CR 199 and CR 884 in Weesatche (Goliad E)											5 320,000						
							-																		

ARFP: FMP	/FME/FMS Id	lentification	Process Tabl	e					*Steps defined per Ta	sk 48 Process Outline. Refer to Technical Step			Step 2-1: FMP		Step 2-2: FME	Step 2-3: FMS	Step 3	Step 4:	roject Details/Feasibility	Ste	p 4-1: Additional Pro	ject Details	Step 5		
												STRUCTURAL	NONSTRUCTURAL No Norotivo Effor	Sufficient Project Details ADDITIONAL INFO	STUDIES STUDIES Will identify	Has a Planning Level Estimated Flood Risk									
									Related to Flood	Meets Emergency Addresses Need problem wit		Exemption for not meeting: (V/N)	(Y/N) (Y/N) No Negative Effect	tt (BCA, Cost Estimate, Struc/Pop/Crit.Facilitie s at Risk) Identifies Need for Engineering Evaluatio	n Structures, Population, and Critical Facilities at Risk Cost Estimate				Operations and FMP ONLY	Atlas 14 (Y/N/U)	FMP ONLY	FMP ONLY			
General ID	Community/Sponsor	County	Source Name	Source Type Sou	ce Date Project Title	Project Location	Project Type	Project Description	Screening: Already completed? Management Goal (Y/N)	Need problem wit (FPR to define) mi^2 (Y/N) (Y/N/		Problem Area Size Flood Risk Reduction		(Y/N) (Y/N/D)	(Y/N/C) (Y/N)		Associated Goals	Project Cost Project Cost Da	e Maintenance Benefit-Cost Ratio Sponsor Verifie	ed	Pre-Project Level of Service	Post-Project Level of Service	Public Comment/RFPG Response	Notes FMP	MP_ID FME_ID
									(78)	()))		(Y/N) If "No" consider FMI	E If "No" consider FME If "No" consider FM	ME If "No" consider FME If "No" consider FMS If "D" develop	If "No" consider FMS	If "No" consider FMS* If "No" consider FMS				If "No" consider additional FME for					
														ii D dawaap	II C Calculate cost					additional FME for update					
134	lad County	Goliad			Vegetated swales along Bungale and N San Patricio St (Goliad A) Construct dam north of W. War			Vegetated swales along Bungalow Ave and N San Patricio St (Goliad A)										\$ 519,000							
135 00	and county	Goliad			(Goliad B)		Education and Awarene	Construct dam north of W. Ward St (Goliad B) Greate and implement a Hazard Educational Enhancement Program in which faculty/students can collaborate in understanding and communicating hazards of										\$ 1,500,000							
Kar	nes City ISD	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Hazard Education Program	Karnes City ISD	Education and Awarenes Programs, Local Plans an Regulations	concern, such as a poster contest, essay contest, or field work that toaches practical understanding of local concerns. This includes activities such as earthquake hazard hunts to look for potential falling hazards and anchoring such as unsecured bookshelves and	N	NU	N	- N	N	N	N	N		\$5,000 2020	KOSD	N					
136	nes City ISD	Karner	Karnes and Wilson Counties	Hazard Mitigation Plan	020 Harden critical facilities	Karnes City ISD	Structure and	light flatures. Identify all critical and community facilities that are deemed necessary for emergency operations and conduct a structural assessment for multiple hazards to determine if					N N		N N	N N		\$120,000 2020	KOED	~					
137			Hazard Mitigation Plan				Infrastructure	retrofits are necessary. Implement assessment findings to reduce hazards Review existing school sites and structures as well as building practices for a new sites to ensure that they are resistant to a range of hazards. Imolement retrofits to strengthen																	
Kar	nes City ISD	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Strengthen existing structures a update code for new structures		Local Plans and Regulations Structure an Infrastructure	ensure that they are reastant to a range of nazaros. Implement recronts to strengthan in existing buildings and updates to new building standards based on hazard mitigation best practices. This includes a review of building with Unreinforced Masonry Construction	N	N U	N	N	N	N	N	N		\$500,000 2020	KOSD	N	-				
138	nes City ISD		Karnes and Wilson Counties	Lines of Million Rev.	020 Strengthen existing structures a	and Karnes City ISD	Local Plans and	[UWM] Review existing school sites and structures as well as building practices for a new sites to ensure that they are resistant to a range of hazards. Implement retroffs to strengthen existing buildings and updates to new building standards based on hazard mitigation best										5500.000 2020							
139	nes city iso	Narres	Hazard Mitigation Plan	Hazard Wildgacion Plan	update code for new structures	Karnes City ISD	infrastructure	practices. This includes a review of building with Unreinforced Masonry Construction [URM1]	~	N U	n	• • • • •	n n	N N	n n	n n		5300,000 2020	karnes county	·	-				
140 Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Low Water Crossing signage	Karnes County	Education and Awarener Programs, Structure and Infrastructure		Y	Y Y	N	-Flood Warning Y and - Measurement	N -		Y Y	Y -	- Flood warning and readiness	\$300,000 2020	Special Projects Emergency						
Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Low Water Crossing Upgrades	Karnes County	Education and Awarene Programs, Structure and	SS Prioritize low water crossings within Karnes County and upgrade with higher level of flood protection, warnings, and signage	¥	Y Y	N	-Flood Warning and -	N -	. ¥	- ¥	¥ .	- Flood warning and readiness	\$5,000 2020	Karnes County,						
141 Kar	nes County	Karnes	Karnes and Wilson Counties	Hazard Mitigation Plan	020 Early warning flood systems	Karnes County	Infrastructure Structure and	Conduct feasibility analysis for need and location for placement and installation of an	Y	y y	N	-Flood Warning And -	N -		y y	Y .	- Flood Studies	\$150,000 2020	Smernin Department,	-					
142		Nation 2	Hazard Mitigation Plan				Education and Awarenee	early warning system. Install early warning systems for non incorporated communities Identify and compile information on flood hazard areas and residential property in flood				Measurement Regulatory and	n ·				- Flood Studies		Emergency Karnes County						
Kar 143	nes County	Karnes	Hazard Mitigation Plan	Hazard Mitigation Plan	020 Update flood information and p			25 zones, establish and implement a volunteer acquisition / elevation program based on net FEMA protocol in association with SARA studies, and review permitting process based on the 100-year flood event provide events and accord understanding operate forester the San Antonia River and provide events and accord understanding operate forester the San Antonia River and provide events and accord understanding operate forester the San Antonia River and provide events and accord understanding operate forester the San Antonia River and provide events and accord understanding operate forester the San Antonia River and provide events and accord understanding operate forester the San Antonia River and provide events and accord	Å	Y Y	N	Guidance ·	N -		Y Y	Υ -	and Analysis	\$100,000 2020	HIMT, SARA						
144 Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 San Antonio River drainage own mapping	hership Karnes County	Education and Awarene Programs	se Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control identify residential structures that are located in flood zones or high hazard areas and	Y	Y N	N	Y requirements for reduction of	N -		Y Y	Y .	- Education and Outreach	\$30,000 2020	. Karnes County HMT, SARA						\rightarrow
145 Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Inventory of residences in flood	plain Karnes County	Education and Awarene Programs	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	¥	Y	N	Y -Floodproofing -	N -		Y	Y N	- Flood Studies and Analysis	\$50,000 2020	. Karnes County HMT, SABA						
Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Shelter requirement for RV park	ks Karnes County	Local Plans and Regulations	Adopt and implement an ordinance to require RV Parks to provide shelter facilities.	Y	Y N	N	Y - Regulatory and Guidance -	N -		Y	Y	- Flood warning and readiness	\$10,000 2020	Court/ Emerger Management/	ncy					
147 Kar	nes County	Karnes	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Improve bridge at CR 337	Karnes County	Structure and Infrastructure	Wilden bridge at CR 337 to accommodate two way traffic in case emergencies and to allow the conveyance of floodwaters	¥	Y Y	N	Y Flood readiness and resilience N			¥ ¥		- Structural Flood Infrastructure Projects		Karnels Columy Road and Bridg Emergency	R.					
	nes Countv Vernia	Wilson	TWDB FIF Wilson County Watershed Master Plan		021 Flood Protection Plannine Study 012 Damage Center 1: Upgrade Hwy crossing at Chihuahua (La Verni	87 Hum 97 crossing of Chibush	Watershed Planning Structure and Infrastructure	Flood Protection Planning Study Fourteen additional 6-foot by 3-foot culverts would be required to create enough capacity to convey the flow without overtopping the road	Y	Y Y	Y	¥		N Y	- ¥		-Flood Prevention		- La Vernia		<1%	1%			\rightarrow
101	Vernia	Wikon	Wilson County Watershed	Watershed Master Plan	Damage Center 2: Southern Wa		Structure and	There is not adequate drainage infrastructure to convey these flows without major flooding in the	Y	y y	Y		- Y	NY	- Y		-Flood Prevention	\$370,000 2012	- La Vernia		N/A	1%			
150			Master Plan Overall Preliminary Drainage		Channel		Infrastructure	streets and adjacent properties. An interception channel is proposed upstream of the City to capture flows and divert them west to a tributary of Lower Cibolo Creek.		· · · · ·			<u> </u>		· · · ·										
151	Vernia Vernia	Wilson	Report Overall Preliminary Drainage Benort		021 Issue #1 (HEB) 021 Issue #2 (City Park/La Vernia ISD	0)		Detention																	
153	Vernia	Wilson	Overall Preliminary Drainage Report		021 Issue #4 (Woodbridge Farms Ur Issue #5 (HWY 87 Crossing & CR																				
154	Vernia Vernia ISD	Wilson	Overall Preliminary Drainage Report Karnes and Wilson Counties		Crossing) Upgrade/Harden Schools again:		Structure and	The schools in La Vernia are most at risk of flooding. A detailed study of cost effective measures to protect and harden schools against all hazards needs to be developed and		N								\$275,000 2020	LVISD, Public						
155	Vernia ISD		Hazard Mitigation Plan Karnes and Wilson Counties		020 hazards 020 Install Backup Generators	La Vernia ISD	Infrastructure Structure and	Inequire to be interferenced. Install backup generators at school sizes.		N U			n n	n n	N N	n n		\$150,000 2020	Works LVISD, Public						
156	Vernia ISD	Wilkon	Hazard Mitigation Plan Karnes and Wilson Counties		020 Community Safe Room	La Mercia ISD	Infrastructure Structure and	Construct a safe room / Building for public to go to for shelter during storms by upgrading		N U			n n	n n	N N	n n		\$150,000 2020	Works LVISD, City of Li						
157		WINDOW	Hazard Mitigation Plan	The second s	Contractivy sale room		Infrastructure	existing high school gym facility Create and Implement a hazard educational enhancement program in which ss faculty/students can collaborate in understanding and communicating hazards of		N 0			n n	n n	n n	n n		2220,000	Vernia						
150	Vernia ISD	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Hazard Education Program	La Vernia ISD	Programs, Local Plans an Regulations	 Security products as a poster context, escay context, or Field work that teacher participal concern, such as a poster context, escay context, or Field work that teacher participal understanding of local concerns. Encourage good practices at home such as water concervation 	N	N U	N	- N	N	N	N	N		\$5,000 2020	LVISD	N					
159	dina County	Medina	мено		Lucas Creek at Cinco De Mayo D and Channel (DC-MRD) Old Pearsall Rd at Medio Creek			CONSTRUCT										\$ 18,000,000							
100	dina County dina County		MEHO		and RR Bridge (DC-MRA) Oak Island Drainage Improveme	ents (DC-		Culvert upgrades at two locations on Oak Island Dr and 1604 with channel work.										\$ 22,000,000 \$ 17,500,000							
162	dina County	Medina	мено		Cagnon Rd at Polecat Creek (DC Trumbo Rd at Palo Blanco Creek	-MRN)												\$ 2,000,000							
163 164 Me	dina County dina County	Medina Medina	MEHO MEHO		M8P) *See "MEHO-Additional" tab			Upgrades to Trumbo Rd and Loop 1604 crossings at Palo Blanco Creek with channel work.										\$ 14,500,000							
105	dina County oli Community	Medina Refugio	MEHO Refugio County Flood Mitigation Projects Outreach	Outreach	Hwy 181 & 5th St Bridge Replac			Paice bridge on Hwy 181/5th in Kenedy (Karnes H) The bridge on Hatch Street in Tivoli was replaced with a culvert which drains slow and										\$ 277,000		-					
166	oli Community		Data Collection Refugio County Flood Mitigation Projects Outreach		Culvert Improvement on Highwa			causes the water to breach the levee.												-					
167	oli Community	-	Data Collection Refugio County Flood Mitigation Projects Outreach		Miller Creek on the Smoky Creek			Miller Creek on the Smoky Creek Ranch drains Tivoli and the surrounding area which is																	
168	oli Community		Data Collection Refugio County Flood Mitigation Projects Outreach		022 Drainage Improvements 022 Underground Drain Maintenant Tivoli			washing out property where Indian artifacts were found. Underground drains in Tivoli on Highway 239, William Street and Wilson Street need																	
169	oli Community		Data Collection Refugio County Flood Mitigation Projects Outreach		Ditches and culverts Maintenan			cleaning. The blockage causes water to drain slow and creates potential flooding hazards. Ditches and culverts in Tivoli need cleaning on Scott Street, Dedear Road, Bissett Road, Oleander Avenue, Garza Street, Villarreal Street, Lee Street, Eugen Lane and Raymond																	
170	son County	Wilkon	Data Collection Wilson County Watershed Master Plan	Watershed Master Plan	012 Wilson - CR 401 & Clifton Branc (Project 1)	h Wilson County		Lane, Layton Lane, and Bickford Road.										\$ 500,000 2012							
172 WI	son County	Million of	Wilson County Watershed Master Plan		Wilson - FM 539 & Cibolo Creek (Project 2)	Wilson County		It is recommended that the remainder of the road be upgraded and paved so that it provides a safe evacuation route during large storm events.										2012 \$ 1,000,000		Y			Privat fundir	developers g it.	
1/5	son County	Wilson	Wilson County Watershed Master Plan Wilson County Watershed		012 Wilson - CR 122 & Mariana Cree (Project 3) Wilson - Mariana Rd & Mariana (Project 4)	Crook	_	- maning ange sum or contlife										\$ 300,000 2012							\rightarrow
1/7	son County son County	Wilkon	Wilson County Watershed Master Plan Wilson County Watershed Master Plan		Wilson - CR 108 & Mariana Cree	ak .								+ +				s 300,000 2012 \$ 200,000 2012		-					+
175 176 Wi	son County		Wilson County Watershed		Wilson - CR 225 & Cibolo Creek	(Project												\$ 1,500,000 2012							
117	son County son County	Wilson	Master Plan Wilson County Watershed Master Plan	Watershed Master Plan Watershed Master Plan	012 6) 012 Wilson - CR 119 & Mariana Cree (Project 7) 012 Wilson - connecting FM 774 to (Project 8)	FM 539 Wilson County	Engineering Project Planning	Study for a privately funded new road connecting Farm to Market Road 775 to Farm to Market Road (FM) 539.					<u> </u>	+ +				\$ 400,000 2012 \$ 7,000,000 2012		-					+
1/8	son County	110000	Karnes and Wilson Counties Hazard Mitigation Plan		(Project 8) 020 Erosion at CR 401 and Cibolo Cr		Planning Engineering Project Planning	Phase I: Engineering study of design solutions to erosion of CR 401 at Cloolo Creek. Phase II: Implementation of stabilization project to address stream incision and erosion Y	Y	Y Y	Y	N			Y Y		12000034	\$300,000 2020	- N/A Wilson County Commissioners	Y	>1%	1%			121000004
179	son County	1100-0	Karnes and Wilson Counties		020 Wilson 4 - Stormwater Manager		Hydrologic and Hydrauli	CR 401 at Cibolo Creek.	v	y v	N	Hydrologic and Y Hydraulic -	N		y v		12000011,	\$200,000 2020	- N/A SARA	Y	-				121000005
180			Hazard Mitigation Plan Karnes and Wilson Counties				Modeling Engineering Project	conduct engineering studies to develop the 100-year and 500-year flood elevation levels Phase I: Engineering study of design solutions to erosion of CR 202 at Marcelina Creek. Phase II: Implementation of stabilization project to address stream incision and erosion Y		<u> </u>		Modeling			· ·		12000015			-					
181	son County	_	Hazard Mitigation Plan	Hazard Mitigation Plan	Creek		Planning	Phase II: Implementation of stabilization project to address stream incision and erosion CR 202 at Marcelina Creek.	Y	Y N	N	Y Engineering N Project Planning	· ·	-	Y Y	-		\$300,000 2020	- County Commissioners	-	-				\rightarrow
182 Wi	son County	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Erosion on CR 128 drainage cha Southeast of FM 775 intersection	nnel Wilson County	Engineering Project Planning	Improvements to drainage structure to minimize erosion downstream and upstream Y	Y	Y Y	N	Y Engineering Project Planning N			Y Y	· ·		\$155,000 2020	. Wilson County Road & Bridge	u	-				\rightarrow
	con County	W64	Karnes and Wilson Counties	Hazard Mitigation Plan	Wilson 10 - Acquisitions of Floo	ded ware from	Property/Easement	Acquire flooded structures to remove them out of the SFHA and restrict future structures from development on the site. Consider the establishment of a voluntary "acquisition and demosition program", "acquisition and structure relocation program", "Structure		,		,						\$850,000 2020	Wilson County, Office of						
Wi	son County	NG/ATEN I	Hazard Mitigation Plan	man mugation man	020 Wilson 10 - Acquisitions of Floo Structures	Wilson County	Acquisition	elevation program" to address repetitive loss, flood prone properties. Keep a database of flood prone, repetitive loss and severe repetitive loss properties with pertinent information about each property	ľ	. N	ri .	· · ·	· ·	, I	· ·	ľ		2020	- Emergency Management	0					
183 	son County	Wilson	Karnes and Wilson Counties Hazard Mitigation Plan	Hazard Mitigation Plan	020 Wilson 9 - Install Gates at Low V Crossings	Water Wilson County	Flood Warning and Measurement	Install gates at low water crossings on county roads repeatedly resulting in road closure due to rapid rising flood waters	Y	Y Y	N	Y - Flood warning and N		· Y				\$600,000 2020	- Wilson County Road & Bridge	u	-				
184 	son County		Cibolo Creek Watershed Holistic Master Plan		018 Kuehl Crossing Replacement		Low water crossing replacement	Replace Wilson CR 352/Guadalupe CR 440 low water crossing of Cibolo Creek (Kuehl Crossing)with a bridge.				measurements						\$1,400,000 2018					Need with r	o update ore	
185 407	son County		Cibolo Creek Watershed Holistic Master Plan	Watershed Master Plan	018 Scull Crossing Replacement		Low water crossing replacement	Replace Wilson CR 347/Guadalupe CR 417 low water crossing of Cibolo Creek (Scull Crossing) with a bridge.										\$2,500,000 2018					with r	o update ore	
186 Wi	son County		Cibolo Creek Watershed Holistic Master Plan	Watershed Master Plan	018 FM 537 at Cibolo Creek LWC Replacement		Low water crossing replacement	Replace FM 537 low water crossing of Cibolo Creek with a bridge.										\$4,000,000 2018					with r	o update ore	
187 Wi	son County		Cibolo Creek Watershed Holistic Master Plan		018 FM 1863 at Cibolo Creek LWC Replacements (2 crossings)		Low water crossing replacement	Replace low water crossings at two locations where FM1863 crossing Cibolo Creek with bridges.										\$8,000,000 2018					Need with r	ation o update ore	
188	son County	-	Cibolo Creek Watershed		018 Upper Martinez Creek Improver	ments	Channel improvements, low water crossing	Improvements to already channelized section of Martinez Greek (Cibolo Watershed) from										\$4,000,000 2018		1			infom	ation o update	+
189	son County	14flerer	Holistic Master Plan Wilson County Watershed				replacement	Montgomery Dr to Walzem Rd and bridge improvements at Gibbs Sprawl Road					<u> </u>							-			with r inform	ation	\rightarrow
190	son County/ TxDOT son County/ TxDOT	Wilson	Master Plan Wilson County Watershed	Watershed Master Plan Watershed Master Plan	012 (Project 9) Wilson - FM 2579 & Mariana Cr 012 (Project 4.0)	wison County		It is recommended that this crossing be upgraded to create a safe evacuation route during large storm events.										\$ 650,000 2012 \$ 200,000 2012							
192 Wi	son County/ TxDOT		Wilson County Watershed Master Plan	Watershed Master Plan	012 [Project 10] Recommendations for Roadway 012 [Projects 1-12]	is within																			
193					Karnes H			Raise bridge on Hwy 181/5th in Kenedy															with r inform	ation	
194					Goliad E			Manage vegetation on Eighteen Mile Creek between CR 199 and CR 884 in Weesatche															Need with r	o update	
					Goliad A			Vegetated swales along Bungalow Ave and N San Patricio St															with r	o update ore ation	
195																								o update ore	