								JAN JA	ACHINI U I	1EUIUI	VAL FLU	JUD PLANNIN	U UKUUP
Title	Brazoria County NFIP	P Technical Ma	aterial				•••	R	Ε	G		D N	6
ID#	063000136 Spor	nsor Brazori	a (County	y)									
RFPG re	ecommend? Yes		Reaso	on for Recomm	endatio	n Alignment with F	RFPG goals an	d TWDB g	guidanc	e prir	nciples		
				_									
Projec	t Description												
-	• opies of FEMA Flood-r	elated techni	cal bullet	ins in County li	braries.								
Watersh	ned HUC# (if known)	12040204030	0,120402	2040200,12040)204040	Emergency Need?	No						
						Drainage area (mi	² est.) 1,482						
Associa	ted FME's 999999					County Brazoria							
Associa	ted FMS's 9999999					Associated FMP's	999999						
Existir	ng 100-Year Flood F	Risk											
	risk type: Riverine	_	C	oastal? No		Local? Yes	c	Playa? No			C	Other? No	
	tion at risk 38,626	: 110		# of struct	ures 18		·	Critical	facilitie	es 248			
	Ranch land impacted (a	acres) 8.584			_	Roadway(s) impacte	ed (length)	328		210	•		
	er of low water crossin					Historical road closu							
	ear Flood Risk Redu	_								_			
	tion removed from 10					# of structures		-		-			
	facilities removed fro					Farm/Ranch lar				5) -			
	emoved from 100-yr (_				Low water cross	-			-			
	benefits Public Educ	cation				Reduction in # o	of road closur	es over 10) years	-			
Impac		No	Nogative	e impacts descr	intion								
-	supply contributions?		-	upply contribut	•	rintion -							
			water st		ion acse								
	ated Cost				_								
Project					%	Nature-Based 0	E	BCR -					
Recurri	ng costs \$1,063				lss	sues -							
	Rosenberg		$\overline{\langle}$		<u>_</u>	7		5					3





FMP area

Regional view of FMP area

		Ŭ				,										PLANNIN	IG GRO	UP
Title	East Fork San	Jacinto Rivei	r - Winter	s Bayou I	Detention				•.		R		G	L	0	Ν		6
ID#	063000059	Sponsor	San Jacir	nto (Coun	ty)													
RFPG re	ecommend? <mark>Ye</mark>	S		Reason	i for Recon	nmendation	Alignment	with R	RFPG goals a	ind TW	DB gu	idan	ce pri	nciple	S.			

Project Description

The goal of the detention facility is to reduce flooding in the East Fork watershed by constructing a 1.60-mile-long earthen impoundment that captures runoff from Winters Bayou.

Watershed HUC# (if known) -	Emergency Need? No
	Drainage area (mi ² est.) 409
Associated FME's 999999	County Harris, Liberty, Montgomery, San Jacinto, Walker
Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Ye	s Coa	oastal? No	Local? No	Playa? No	Other? No
Population at risk 2,559		# of structures 1,896		Critical facilities 3	
Farm/Ranch land impacted (acres)	72	Roa	dway(s) impacted (length)	73	
Number of low water crossings	1	Hist	orical road closures 1		

100-Year Flood Risk Reduction

Population removed from 100-yr	1412	# of structures removed from 100-yr	651			
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	5.86065578			
Road removed from 100-yr (miles)	17	7 Low water crossings removed from 100-yr				
Other benefits _		Reduction in # of road closures over 10 years	0			
Impacts						
Negative impacts? No	Negative impacts description	-				
Water supply contributions? No	Water supply contribution des	Water supply contribution description -				

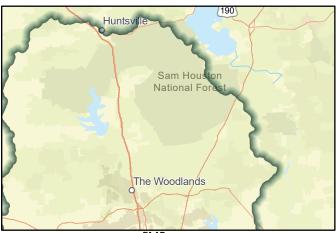
% Nature-Based 0

Estimated Cost

Project Cost \$134,000,000 Recurring costs \$10,007,205

Issues Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation

BCR 0.47





FMP area

Regional view of FMP area

	0		, , ,	`	·				S	AN JA	CINTO	REGIO	ONAL F	LOOD F	PLANNIN	G GROUP
Title	Halls Bayou Waters	ned Mitiga	tion Applic	ation 1 - CDBG I	MIT			•.		2	Ε	G	I	0	Ν	6
ID#	063000040 Spo	onsor Ha	rris County	Flood Control E	District											
RFPG re	ecommend? Yes		Re	ason for Recom	mendation	Alignment	with RF	PG goals a	nd TW	DB gu	uidan	ce pr	incipl	es.		
Projec	t Description															
-	s submitted as part o 2-41 Mainstem, C-30,		-	t in Halls Bayou	which incl	ude five (5) ı	egional	channel an	d dete	entior	n proj	ects i	nclud	ling C-	28, C-41	1 Hardy
Watersh	ned HUC# (if known)	12040104	40605,1204	401040601,1204	40104030	Emergency	Need?	/es								
						Drainage ar	ea (mi² e	est.) 44								

Associated	FME's	999999

Associated FMS's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No		Local? No		Playa? No	Other? No
Population at risk 43	3,667		# c	f structures	15,541			Critical facilities 96	
Farm/Ranch land im	pacted (acr	es) 15			Road	dway(s) impacted (leng	gth)	139	
Number of low wate	er crossings	7			Hist	orical road closures 7			
	-								

County Harris

Associated FMP's 999999

100-Year Flood Risk Reduction

9386	# of structures removed from 100-yr	3023
6	Farm/Ranch land removed from 100-yr (acres)	0.032652
17	Low water crossings removed from 100-yr	0
	Reduction in # of road closures over 10 years	0
Negative impacts description	-	
Water supply contribution desc	cription -	
	6 17 Negative impacts description	6 Farm/Ranch land removed from 100-yr (acres) 17 Low water crossings removed from 100-yr Reduction in # of road closures over 10 years

Estimated Cost

Project Cost \$99,653,000

Recurring costs \$6,037,488

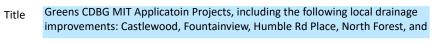
% Nature-Based 0

BCR 1.4600004

Issues Right-of-Way, Acquisition, Utility Conflicts, Environmental Concerns









ID# 063000167 Sponsor Harris County Flood Control District

RFPG recommend? Yes

Reason for Recom

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submited as part of the CDBG MIT grant in Greens Bayou including Projects: Fountainview Sec 1&2, Castlewood Sec 3&4, North Forest, Mid-Reach Greens, Parkland Estates, and Humble Road Place.

Watershed HUC# (if known)	120401010501,120401010502,12040102010	Emergeno	cy Need?	Yes	
			Drainage	area (mi²	est.)	166
Associated FME's	999999		County H	larris		
Associated FMS's	999999		Associate	d FMP's 🧧	999999)

Existing 100-Year Flood Risk

Flood risk type: Riverine? No	coastal?	No Local	? Yes P	Playa? No	Other? No
Population at risk 56,121	# 0	of structures 6,644		Critical facilities 112	
Farm/Ranch land impacted (acres)	127	Roadway(s) impacted (length) 1	.,558	
Number of low water crossings	2	Historical	road closures 2		

100-Year Flood Risk Reduction

Population removed from 100	-yr	21508	# of structures removed from 100-yr	1816
Critical facilities removed from 100-yr		21	Farm/Ranch land removed from 100-yr (acres)	-3.21593904
Road removed from 100-yr (miles)		2501851	Low water crossings removed from 100-yr	0
Other benefits			Reduction in # of road closures over 10 years	0
Impacts				
Negative impacts?	lo	Negative impacts description	-	
Water supply contributions? N	lo	Water supply contribution des	cription -	

Estimated Cost

Project Cost \$120,284,000

Recurring costs \$7,287,419

% Nature-Based 0

BCR 2.13000011

Issues Right-of-Way, Permitting, Acquisitions, Utility Conflicts









Project Description

Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Watershed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.

Watershed HUC# (if known)	120401020104,120401020106,12040104060	Emergency Need? Ye	/es
			Drainage area (mi ² e	est.) 111
Associated FME's	999999		County Harris	
Associated FMS's	999999		Associated FMP's 99	99999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No	D C	oastal? No	Local? Yes	Playa? No	Other? No
Population at risk 10,513		# of structures 2,	937	Critical facilities 41	
Farm/Ranch land impacted (acres)	0		Roadway(s) impacted (length)	47	
Number of low water crossings	4		Historical road closures 4		

100-Year Flood Risk Reduction

Population removed from 100-	yr .	3899	# of structures removed from 100-yr	670
Critical facilities removed from	100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0.004458
Road removed from 100-yr (miles)		7	Low water crossings removed from 100-yr	0
Other benefits _			Reduction in # of road closures over 10 years	0
have a she				
Impacts				
Negative impacts? No	c	Negative impacts description	-	
Water supply contributions? No		Water supply contribution descri	iption -	

Estimated Cost

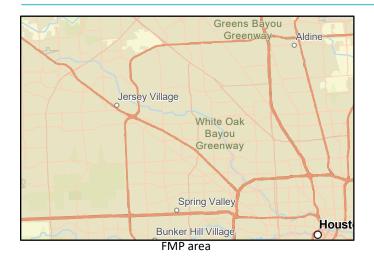
Project Cost \$120,015,000

Recurring costs \$7,271,121

% Nature-Based 0

BCR 0.8000001

Issues Right-of-Way, Permitting, Acquisitions, Transportation Conflicts, Environmental





Title	Brays Bayou Ditch Improv	•	R	Ε	G		0				
ID#	063000027	Sponsor	Harris C	ounty Flood Control District							
RFPG r	ecommend? Y	/es		Reason for Recommendation	Alignment wi	ith RFPG goals a	and TWDB	guidar	nce pri	ncipl	es.



Project Description

Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.

Watershed HUC# (if known)	120401040401	Emergency Need? Yes
		Drainage area (mi ² est.) 128
Associated FME's 999999		County Harris
Associated FMS's 999999		Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine?	′es	Coastal?	No	Local? No	Playa? No	Other? No
Population at risk 6,750		# o	f structures 26	57	Critical facilities 26	
Farm/Ranch land impacted (acre	s) 0			Roadway(s) impacted (length)	34	
Number of low water crossings	0			Historical road closures 0		

100-Year Flood Risk Reduction

Population removed from 100-yr	2890	# of structures removed from 100-yr	160
Critical facilities removed from 100-yr	4	Farm/Ranch land removed from 100-yr (acres)	0.00166
Road removed from 100-yr (miles)	5	Low water crossings removed from 100-yr	0
Other benefits _		Reduction in # of road closures over 10 years	0
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descr	iption -	

Estimated Cost

Project Cost \$107,061,000

% Nature-Based 0

BCR 0.13

Recurring costs \$6,486,302

Issues Right-of-Way, Acquisitions, Utility Conflicts





Regional view of FMP area

	J , , , ,							•	SAN .	JACINT	NTO REGIONAL FLOOD PLANNING GROUP							
Title	West Fork San	Jacinto Rive	er - Kingwo	ood Ber	nching & H	HW 242 Chanr	nelization		•.	•	R	Ε	G		0	Ν	6	
ID#	063000064	Sponsor	Harris Co	ounty Fl	ood Contr	rol District												
RFPG r	RFPG recommend? Yes Reason for Recommendation Alignment w					with	RFPG goals a	and T	WDB	guida	nce pr	incipl	es.					

Project Description

Channel improvement to reduce flooding in West Fork watershed by benching/widening to increase conveyance capacity of West Fork to lower the water surface elevation. Conduct after or in conjunction with detention on Lake Creek or Spring Creek.

Watershed HUC# (if known)		120401010502,120401010501,12040101040	Emergency Need? No					
			Drainage area	rea (mi ² est.) 141				
Associated FME's	999999		County Harri	rris,Montgomery				
Associated FMS's	999999		Associated FN	FMP's 999999				

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk 13,053	# of structures	4,364	Critical facilities 50	
Farm/Ranch land impacted (acres) 381		Roadway(s) impacted (length)	107	
Number of low water crossings 0		Historical road closures 0		

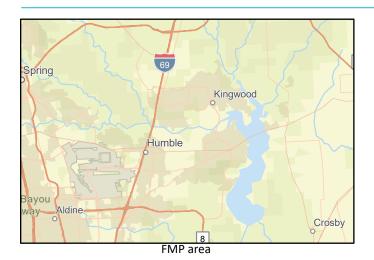
100-Year Flood Risk Reduction

Population removed from 100)-yr	7636	# of structures removed from 100-yr	1638
Critical facilities removed from	n 100-yr	10	Farm/Ranch land removed from 100-yr (acres)	19.39033127
Road removed from 100-yr (m	niles)	28	Low water crossings removed from 100-yr	0
Other benefits _			Reduction in # of road closures over 10 years	0
Impacts				
Negative impacts?	10	Negative impacts description	-	
Water supply contributions? No Water supply contributions		Water supply contribution descrip	otion -	

Estimated Cost

Project Cost \$994,000,000 % Nature-Based 0 BCR 0.1 Recurring costs \$50,814,968







Title	White Oak Bay Detention Basi	0	mwater	•. •	R	Ε	G		Ν	6		
ID#	063000344	Sponsor	Harris Co	ounty Flood Control District								
RFPG re	commend? Yes			Reason for Recommendation	Alignment with	RFPG goals and	TWDB	guidar	nce pri	nciples.		
Projec	t Description)										
This pro	his project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.											

SAN JACINTO REGIONAL FLOOD PLANNING GROUP

Watershed HUC# (if known)	Emergency Need? No
	Drainage area (mi ² est.) 79
Associated FME's	County Harris
Associated FMS's -	Associated FMP's -

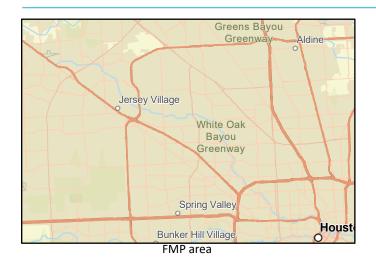
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No		Local? Y	′es	F	Playa? No		Other? No	
Population at risk 2	9,631		# c	f structures	5,661				Critical faciliti	es 30		
Farm/Ranch land im	pacted (acr	es) 22			Road	lway(s) ii	mpacted (length	n) 1	121			
Number of low wate	er crossings	2			Histo	orical roa	d closures 2					

100-Year Flood Risk Reduction

Population removed from 100	-yr	3011	# of structures removed from 100-yr	702		
Critical facilities removed from	n 100-yr	2	Farm/Ranch land removed from 100-yr (acres)	0		
Road removed from 100-yr (m	niles)	19	Low water crossings removed from 100-yr	0		
Other benefits			Reduction in # of road closures over 10 years			
Impacts						
Impacts						
Negative impacts?	lo	Negative impacts description	-			
Water supply contributions? -		Water supply contribution desc	ription -			

Project Cost	\$42,600,000	% Nature-Based -	BCR	1.89
Recurring costs	-	Issues -		





	Ŭ	-	•	•			SAN J	IACINT) REGIO	NAL FLO	DOD F	PLANNIN	G GROUP
THE U	n and Construction ntion Basins (2018 B			0 Stormwater		· · ·	R	Ε	G		0	Ν	6
ID# 0630	00319 Sponsor	Harris County F	Flood Control Dis	trict									
RFPG recomm	end? Yes	Reas	son for Recomme	endation Alignmen	t with RFPG go	bals and ⁻	TWDB	guidar	nce pri	nciples	i.		
Project Des	cription												
This project p	rovides for design a	nd construction c	of three offline de	etention basins in B	509-03-00 and	l B509-04	4-00.						
Watershed HU	C# (if known) -			Emergency	Need? No								
				Drainage a	rea (mi² est.)	59							
Associated FM	E's _			County Ha	nrris								
Associated FM	S's -			Associated	FMP's -								

6

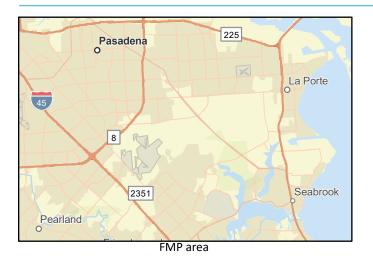
Existing 100-Year Flood Risk

Flood risk type: R	Riverine?	No	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk 3,7	⁷ 57		# o	f structures 1,3	387		Criti	cal facilities 6	
Farm/Ranch land imp	oacted (acre	es) 23			Roadway(s) i	impacted (length)	31		
Number of low water crossings 2		Historical road closures 3							

100-Year Flood Risk Reduction

Population removed from 100-yr	114	# of structures removed from 100-yr	15
Population removed from 100-yr	114	# Of structures removed from 100-yr	15
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits		0	
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descript	on -	
Ectimated Coct			

Project Cost	\$34,850,000	% Nature-Based -	BCR 0.01
Recurring costs	-	Issues -	





Title	Design and C Project C-37)		f Little York Stormwater Detention Basin	(2018 Bond	•. •	R E	GIO	
ID#	063000473	Sponsor	Harris County Flood Control District					
RFPG re	commend? <mark>Ye</mark>	25	Reason for Recommendation	Alignment with RF	PG goals and TW	DB guidar	nce principles.	

Project Description

This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir waterhsed to mitigate peak discharges expected with new development in the area.

Associated FME's County Harris Associated FMS's - Associated FMP's -	Watershed HUC# (if known) -	Emergency Need?NoDrainage area (mi² est.)55
Associated FMS's - Associated FMP's -	Associated FME's	County Harris
	Associated FMS's -	Associated FMP's -

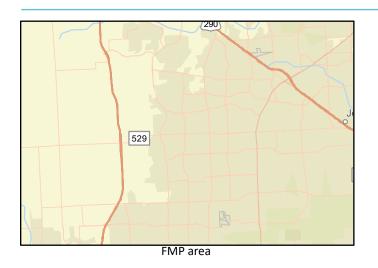
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local? Yes	Playa? No	Other? No
Population at risk 1	,174		# c	of structures	234	Critical facilities	1
Farm/Ranch land in	npacted (aci	res) 13			Roadway(s) impacted	d (length) 6	
Number of low wat	er crossings	0			Historical road closu	res 0	
	tel: De du ci	Han					
100-Year Flood R	isk reduc	tion					
Population remove	d from 100-	yr C)		# of structures re	emoved from 100-yr	0
Critical facilities rer	noved from	100-yr <mark>(</mark>)		Farm/Ranch land	d removed from 100-yr (acres)	-
Road removed from	n 100-yr (mi	les) C)		Low water cross	ings removed from 100-yr	0

Other benefits		Reduction in # of road closures over 10 years 0
Impacts		
Negative impacts?	No	Negative impacts description -
Water supply contributio	ns? No	Water supply contribution description -

Estimated Cost

Project Cost	\$2,553,000	% Nature-Based -	BCR	0.05
Recurring costs	-	Issues -		





SAN JACINTO REGIONAL FLOOD PLANNING GROUP

6

Title	Mainstem Eval	uation Proje	ects - Park	er Basin (2	2018 Bor	d Project	t C-41	.)		•	· · ·					PLANNING N	GROUP	
ID#	063000471	Sponsor	Harris Co	ounty Floo	d Contro	District												
RFPG re	commend? <mark>Yes</mark>			Reason	for Recoi	nmendat	tion	Alignment	with F	RFPG go	als and T	WDB	guidar	nce prii	nciples			
Projec	t Description																	

This project provides for design and construction of four detention basisns providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Inlcudes a half mile of channel improvements to P118-00-00.

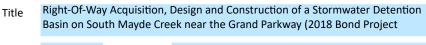
Watershed HUC#	[#] (if known)	-		Eme	ergency Need? No									
				Drai	inage area (mi ² est.) 52									
Associated FME's	-			Cou	County Harris									
Associated FMS's	; -			Asso	Associated FMP's -									
Existing 100-Y	ear Flood	Risk												
Flood risk type:	Riverine	e? No	Coastal? No	L	ocal? Yes	Playa? No	Other? No							
Population at ri	sk 1,936		# of structures	886		Critical facilitie	^{IS} 13							
Farm/Ranch lan	d impacted	(acres) 1		Roadv	way(s) impacted (length)	11								
Number of low	water crossi	ngs O		Histor	rical road closures 0									
100-Year Floo	d Risk Red	uction												
Population rem	oved from 1	00-yr	319	# of structures removed from 100-yr 76										
Critical facilities	removed fro	om 100-yr	0	Fa	arm/Ranch land removed f	from 100-yr (acres) -							
Road removed	from 100-yr	(miles)	1	Lo	ow water crossings remove	ed from 100-yr	0							
Other benefits	-			R	eduction in # of road closu	ires over 10 years	0							
Impacts														
Negative impact	ts?	No	Negative impacts description	1	-									
Water supply co	ontributions	No	Water supply contribution de	escriptio	n -									
Estimated Co	st													
Project Cost	\$38,230,00	0		% Natur	e-Based -	BCR 0.18								

Recurring costs \$0

Issues -









ID# 063000472 Sponsor Harris County Flood Control District

RFPG recommend? Yes

Descar for Descurrent

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Project Description

This project includes the design and construciton of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).

Watershed HUC# (if known)	Emergency Need? No
	Drainage area (mi ² est.) 45
Associated FME's	County Harris,Waller
Associated FMS's -	Associated FMP's -

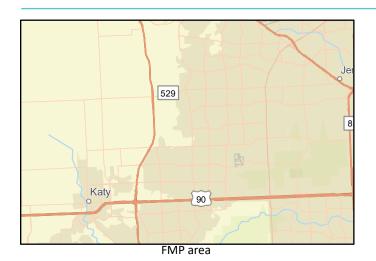
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local	? Yes	Play	/a? No	Other? No
Population at risk 8	,067		# o	f structures 2,3	39		C	Critical facilities 43	
Farm/Ranch land im	pacted (acr	es) 269		ł	Roadway(s) impacted (length)	49		
Number of low wat	er crossings	0		H	Historical	road closures 0			

100-Year Flood Risk Reduction

Population removed	from 100-yr	194	# of structures removed from 100-yr	59		
Critical facilities remo	oved from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-		
Road removed from	100-yr (miles)	0	Low water crossings removed from 100-yr			
Other benefits _			Reduction in # of road closures over 10 years	0		
Impacts						
Negative impacts?	No	Negative impacts description	-			
Water supply contrib	utions? No	Water supply contribution des	cription -			

Project Cost	\$11,440,000	% Nature-Based -	BCR	0.18
Recurring costs		Issues -		





		•		-	•											PLANNIN	G GROU	P
Title	Mainstem Eva	luation Proje	ects - Hah	l Basin	(2018 Bon	d Project C-41)		•.	••••	R	Ε	G		D	Ν	6	;
ID#	063000475	Sponsor	Harris Co	ounty F	lood Contr	ol District												
RFPG re	ecommend? Yes	S		Reas	on for Reco	ommendation	Alignment	with I	RFPG goa	als and	TWDB	guida	nce pri	nciples				
Ducios	t Decemination																	

Project Description

This project provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to P118-21-00.

Watershed HUC# (if known)	Emergency Need? No
	Drainage area (mi ² est.) 52
Associated FME's	County -
Associated FMS's -	Associated FMP's -
Existing 100-Year Flood Risk	
Flood risk type: Riverine? No Coastal? No	Local? Yes Playa? No Other? No
Population at risk 13,690 # of stru	ctures 4,383 Critical facilities 23
Farm/Ranch land impacted (acres) 3	Roadway(s) impacted (length) 33
Number of low water crossings 2	Historical road closures -
100-Year Flood Risk Reduction	
Population removed from 100-yr -	# of structures removed from 100-yr 0
Critical facilities removed from 100-yr 6	Farm/Ranch land removed from 100-yr (acres) -
Road removed from 100-yr (miles) 12	Low water crossings removed from 100-yr 0
Other benefits	Reduction in # of road closures over 10 years 0
Impacts	
Negative impacts? No Negative impacts des	scription -
Water supply contributions? No Water supply contrib	ution description -
Estimated Cost	
Project Cost \$40,780,000	% Nature-Based - BCR 0.21

Recurring costs \$481,200

Issues -





Title	Design and Co Bond project		of Dinner (Creek Stormwater Detention Ba	sin (2018		()((• <i>i</i>	•			_	_	_	 IG GROUP
ID#	063000313	Sponsor	Harris Co	ounty Flood Control District										
RFPG re	commend? Ye	S		Reason for Recommendation	Alignment v	vith I	RFPG goa	ls and T	rwdb	guida	nce pri	nciple	es.	

6

Project Description

Design and Construction of Dinner Creek Stormwater Detention Basin (U520-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention.

Watershed HUC# (if known)		Emergency Need? No									
		Drainage area (mi ² est.) 21									
Associated FME's 999999		County Harris	County Harris								
Associated FMS's 999999		Associated FMP's 999999									
Existing 100-Year Flood Risk											
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No							
Population at risk 1,377	# of structures 3	06	Critical facilitie	²⁵ 1							
Farm/Ranch land impacted (acres) 14 Roadway(s) impacted (length) 8											
Number of low water crossings 0		Historical road closures 0									

100-Year Flood Risk Reduction

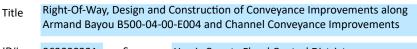
Population remove	ved from 10)0-yr	-	# of	structures removed from 100-yr	42
Critical facilities r	emoved fro	om 100-yr	0	Farm	n/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)			1	Low	water crossings removed from 100-yr	0
Other benefits 67 acre-ft of ret		of retentior	volume, recreation	Redu	uction in # of road closures over 10 years	0
Impacts						
Negative impacts?	? No	Negative impacts description		-		

Water supply contributions? No	Water supply contribution description	-

Project Cost	\$33,080,232	% Nature-Based 0	BCR	0.04
Recurring costs	\$938,000	Issues -		









ID# 063000321 Sponsor Harris County Flood Control District

RFPG recommend? Yes

Besson for Pocommo

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Project Description

The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed.

	Watershed HUC# (if known) -	Emergen	cy Need?	No	
County marries		Drainage	area (mi² e	est.) 59	
Associated FMS's - Associated FMP's -	Associated FME's	County I	Harris		
	Associated FMS's -	Associate	ed FMP's -		

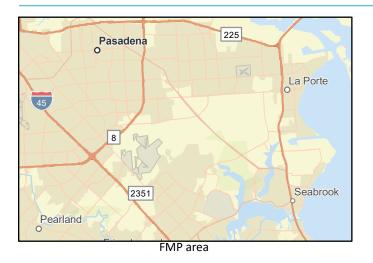
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other? No
Population at risk 1	8,858		# of	f structures 6,36	3		Criti	cal facilities 28	
Farm/Ranch land in	npacted (acr	es) 59		R	badway(s)	impacted (length)	150		
Number of low wat	er crossings	4		Н	storical ro	ad closures 0			

100-Year Flood Risk Reduction

-	# of structures removed from 100-yr	230
0	Farm/Ranch land removed from 100-yr (acres)	-
1	Low water crossings removed from 100-yr	0
	Reduction in # of road closures over 10 years	0
Negative impacts description	-	
Water supply contribution descr	ription -	
	1 Negative impacts description	0 Farm/Ranch land removed from 100-yr (acres) 1 Low water crossings removed from 100-yr Reduction in # of road closures over 10 years

Project Cost	\$9,450,000	% Nature-Based -	BCR 0.81
Recurring costs	-	Issues -	





	o a n				, ojc					SAN J	ACINTO	REGIO	NAL FL	DOD PL/	ANNING	GROUP
Title			-			Plan, 23 Stormwater D and CI-20)	Detent	tion Basin	•.	R	Ε	G		0	N	6
ID#	063000	357 S	ponse	or Hari	ris Count	y Flood Control District	:									
RFPG re	ecommei	nd? <mark>Yes</mark>			Re	eason for Recommenda	ation	Alignment with F	RFPG goals a	nd TWDB	guidano	ce pri	nciples	i.		
Projec	ct Descr	iption														
-	•				-	d construction of 22 reg or Tributaries Regional	-				Cypress	Creek	k water	shed K	(100-00)-00)
Watersh	ned HUC#	# (if knowr) 12	0401020	0104,120	401020106,120401020	010	Emergency Need?	No							
								Drainage area (mi	² est.) 119							
Associa	ted FME's	5 _						County Harris								
Associa	ted FMS's	s -						Associated FMP's	-							
Fyistir	100-\	/ear Floo	d Rig	k												
	-					a		1 12 14								
	risk type:	_	ne?	Yes		Coastal? No	46.0	Local? Yes		Playa? No				Other?	No	
		sk 49,086				# of structures					l facilitie	25 158	8			
		nd impacte						oadway(s) impacte		264						
Numbe	er of low	water cros	sings	0			Hi	storical road closu	ires 3							
100-Ye	ear Floo	d Risk Re	educ	tion												
Popula	ition rem	oved from	100-	yr	9880			# of structures r	removed fro	om 100-yr		283	14			
Critical	l facilities	removed	from	100-yr	18			Farm/Ranch lan	d removed	from 100-y	yr (acre	s) -				
Road r	emoved	from 100-չ	/r (mi	iles)	27			Low water cross	sings remov	ed from 10)0-yr	0				
Other	benefits	-						Reduction in # c	of road closu	ures over 1	0 years	0				
-	ve impac	ts? ontributior	No No No			tive impacts description r supply contribution d		- ption -								
Estima	ated Co	st														
Project	Cost	\$550,000	,000				% Na	ture-Based -		BCR 0.28	4					
Recurri	ng costs	\$91,000					lssu	es -								
	h	Tomball	X			Spring		/		Sit						300

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Title	Poor Farm Dito and University	•	•	eyance Ir	nprovem	ients bet	tween I	Bellaire				san R					plannin N	G GROUP	
ID#	063000186	Sponsor	Harris C	ounty Flo	od Contro	ol Distric	ct												
RFPG r	ecommend? <mark>Ye</mark> s	i		Reasor	for Reco	ommend	lation	Alignment	with F	RFPG ;	goals and	ITWDB	guida	nce pr	incipl	es.			

Project Description

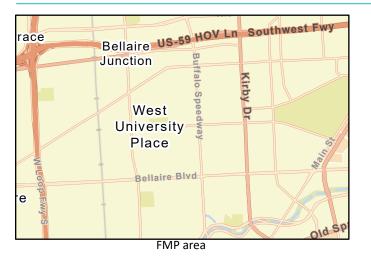
Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin.

Watershed HUC# (if	known) 12	0401040	0402		Emergency Need? No		
					Drainage area (mi ² est.) 2		
Associated FME's 99	99999				County Harris		
Associated FMS's 99	99999				Associated FMP's 999999		
Existing 100-Year	Flood Ris	sk					
Flood risk type:	Riverine?	Yes	Coastal? No		Local? No	Playa? No	Other? No
Population at risk 1	,410		# of stru	ctures 33		Critical facilitie	²⁵ 4
Farm/Ranch land im	npacted (ac	res) -		I	Roadway(s) impacted (length)	3	
Number of low wate	er crossings	s 0			Historical road closures 0		
100-Year Flood R	isk Reduc	tion					
Population removed	d from 100-	-yr	54		# of structures removed f	rom 100-yr	8
Critical facilities rem	noved from	100-yr	2		Farm/Ranch land remove	i) -	
Road removed from	n 100-yr (m	iles)	3		Low water crossings remo	oved from 100-yr	0
Other benefits _					Reduction in # of road clo	sures over 10 years	0
Impacts							
Negative impacts?	N	0	Negative impacts des	scription	-		
Water supply contri	butions? N	0	Water supply contrib	ution desc	ription -		
Estimated Cost							
Project Cost \$19	9,916,965			%	Nature-Based 0	BCR 1.23	

Recurring costs \$721,000

BCR 1.23

Issues -





		•			•					SAN	JACINT	O REGIO	NAL FLOO	D PLANN	ING GROUP	
Title	Mainstem Eva	luation Proje	ects - Vete	rans Men	norial (20)18 Bond Pr	oject C-41)		•. •	R	Ε	G		Ν	6	
ID#	063000469	Sponsor	Harris Co	unty Floo	d Contro	l District										
RFPG re	ecommend? Yes	S		Reason	for Reco	mmendatio	n Alignment	t with	RFPG goals and	I TWDB	guida	nce pri	nciples.			
Proied	t Descriptior	ı														

J ł

Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage.

Watershed HUC# (if known) 120401040)604	Emergency Need? No		
		Drainage area (mi ² est.) 52		
Associated FME's		County Harris		
Associated FMS's -		Associated FMP's -		
Existing 100-Year Flood Risk				
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk 38,916	# of structures 1	13,748	Critical facilitie	es 91
Farm/Ranch land impacted (acres) -		Roadway(s) impacted (length)	127	
Number of low water crossings 7		Historical road closures -		
100 Ve au Ela e d Diale De de estiere				
100-Year Flood Risk Reduction				
Population removed from 100-yr	1037	# of structures removed fro	om 100-yr	292
Critical facilities removed from 100-yr	1	Farm/Ranch land removed	from 100-yr (acre	s) -
Road removed from 100-yr (miles)	6	Low water crossings remov	ed from 100-yr	0
Other benefits _		Reduction in # of road close	ures over 10 years	0
Impacts				
Negative impacts? No	Negative impacts description	-		

Negative impacts:	NO	Negative impacts description	-
Water supply contributions?	-	Water supply contribution description	-

Project Cost	\$35,250,000	% Nature-Based -	BCR 0.49
Recurring costs	\$1,783,197	Issues -	





Title	Design and Co Bond project Z		of E116 tri	ibutary	modifications a	tion (2018		•.	R	Ε	G		Ν	6	
ID#	063000389	Sponsor	Harris Co	ounty Fl	ood Control Di	istrict									
RFPG re	RFPG recommend? Yes Reason for Recommendation Alignmer									and TWDI	3 guida	nce pri	nciples.		
	Project Description														
	The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention masin within White Oak Bayou Tributary E116-00-00.														

Watershed HUC# (if known)	120401040302,120401040304	Emergency Need? No
		Drainage area (mi ² est.) 7
Associated FME's		County Harris
Associated FMS's -		Associated FMP's -

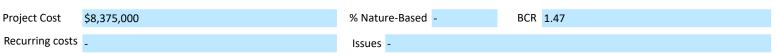
Existing 100-Year Flood Risk

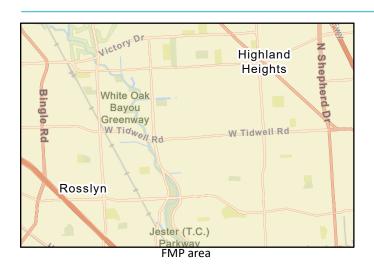
Flood risk type:	Riverine?	Yes	Coastal?	No	Local? Yes	Playa? No	Other? No		
Population at risk	36,556		# (of structures 14,652	2	Critical facilities	155		
Farm/Ranch land ir	mpacted (acr	es) 6		Roa	dway(s) impacted (length)	140			
Number of low wat	ter crossings	0		Hist	orical road closures 0				
100-Year Flood F	Risk Reduct	tion							
Population remove	d from 100-	yr	0		0				
Critical facilities rer	moved from	100-yr	1		-				
Road removed from	n 100-yr (mi	les)	1	Low water crossings removed from 100-vr					

Other benefits _		Red	uction in # of road closures over 10 years	0
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions	;? -	Water supply contribution description	-	
Estimated Cost				

Low water crossings removed from 100-yr

Estimated Cost



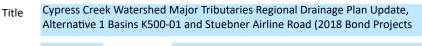


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SAN JACINTO REGIONAL FLOOD PLANNING GROUP





ID# 063000476 Sponsor Harris County Flood Control District

RFPG recommend? Yes

Reason for Recom

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

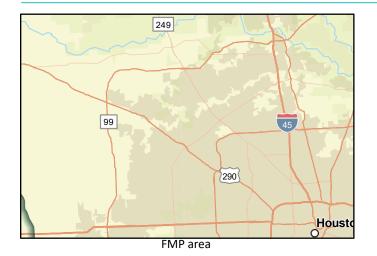
Project Description

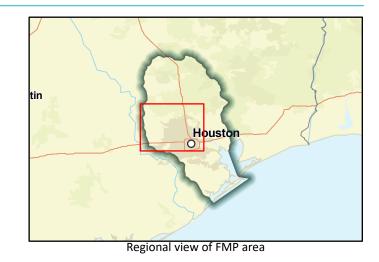
Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.

Watershed HUC#	(if known) 1	.20401020	104		Emerg	ency Need?	No							
					Draina	ge area (mi²	est.) 274							
Associated FME's	-				County	/ Harris								
Associated FMS's	-				Associ	Associated FMP's -								
Existing 100-Ye	ear Flood R	isk												
Flood risk type:	Riverine?	Yes	Coastal?	No	Loc	al? No		Playa? No		Other? No				
Population at risk 0 # of structures								Critical facilitie	es 144					
Farm/Ranch land impacted (acres) -						y(s) impacted	l (length)	448						
Number of low water crossings 4						al road closur	es -							
100-Year Flood	l Risk Redu	iction												
Population remo	oved from 100	0-yr	7070		# of	structures re	moved fro	om 100-yr	1488					
Critical facilities	removed fror	n 100-yr	10		Farr	n/Ranch land	removed	from 100-yr (acres	s) -					
Road removed fi	rom 100-yr (r	niles)	22		Low	water crossi	ngs remov	ed from 100-yr	0					
Other benefits	-				Red	uction in # of	road closu	ures over 10 years	0					
Impacts														
Negative impacts	Negative impacts? No Negative impacts description													
Water supply co	Water supply contributions? - Water supply contribution c													
Estimated Cos														
Project Cost \$345,329,984						Based 0		BCR 0.391						

Recurring costs \$20,921,852

Issues -





Title	P118-E006 (Ha	ardy West) (2018 Bon	d Project C-41)		•••						N	6 6		
ID#	063000477	Sponsor	Harris C	ounty Flood Control District											
RFPG re	commend? Ye	s		Reason for Recommendation	Alignment	with RFI	PG goals an	d TWDE	8 guida	nce pri	nciples	i.			

Project Description

Proposal of the Hardy West Detention Basin (P118-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by P118-25-00.

Associated FME's 9999999 County Harris Associated FMS's 9999999 Associated FMP's 999999	Watershed HUC# (if known) -	Emergency Need?NoDrainage area (mi² est.)52
Associated FMS's 999999 Associated FMP's 999999	Associated FME's 999999	County Harris
	Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	L	ocal? No		Playa? No	Other? No					
Population at risk 9	pulation at risk 9,997			# of structures 3,665				Critical facilities 3						
Farm/Ranch land impacted (acres) 0			Roadway(s) impacted (length)				ngth)	23						
Number of low water crossings 1				Histor	rical road closures 1									

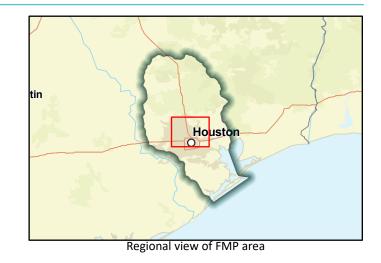
100-Year Flood Risk Reduction

Deputation removed from 100 yr	121	# of structures removed from 100 ur	C1
Population removed from 100-yr	121	# of structures removed from 100-yr	61
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits _		Reduction in # of road closures over 10 years	0
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution des	cription -	

Estimated Cost

Project Cost	\$32,052,767	% Nature-Based 0	BCR	0.38
Recurring costs	\$709,154	Issues -		





CAN LAGINTO DEGIONAL EL COD DI ANNINO ODOUD

	·	•														G GROUP	
Title	Goose Creek F	lood Risk Re	duction						•.	R	Ε	G		0	Ν	6	
ID#	063000334	Sponsor	Harris C	ounty Flood	d Control Dist	trict											
RFPG re	commend? Yes	i		Reason fo	for Recomme	endation	Alignment	with R	FPG goals ar	nd TWDE	guida	nce pri	nciples	5.			

Project Description

The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements

Watershed HUC# (if	f known) -			Emerg	ency Need? No		
				Draina	ige area (mi ² est.) 27		
Associated FME's				Count	y Harris		
Associated FMS's -				Associ	ated FMP's -		
Existing 100-Yea	r Flood Ris	k					
Flood risk type:	Riverine?	Yes	Coastal? No	Loc	cal? Yes	Playa? No	Other? No
Population at risk	5,318		# of structures	980		Critical facilitie	es 34
Farm/Ranch land in	mpacted (ac	es) 50		Roadwa	y(s) impacted (length)	17	
Number of low wa	ter crossings	1		Historic	al road closures 1		
100-Year Flood F	Risk Reduc	tion					
Population remove	ed from 100-	yr	1283	# of	structures removed fr	om 100-yr	269
Critical facilities re	moved from	100-yr	9	Farr	m/Ranch land removed	l from 100-yr (acres	s) O
Road removed from	m 100-yr (mi	les)	28	Low	water crossings remov	ved from 100-yr	0
Other benefits				Red	uction in # of road clos	sures over 10 years	0
Impacts			_				
Negative impacts?	No)	Negative impacts descriptio	n	-		
Water supply conti	ributions? -		Water supply contribution d	lescription	-		
Estimated Cost							
Project Cost \$4	6,493,360			% Nature-l	Based -	BCR 0.48	
Recurring costs				Issues -			





Title	Kingwood Di	version Ditch	(G103-38	-00)			•. •	1				J PLANNIN N	
ID#	063000360	Sponsor	Harris Co	ounty Flood Control District				_					
RFPG re	ecommend? <mark>Y</mark>	es		Reason for Recommendation	Alignment v	vith R	FPG goals and	ITWDE	guida	nce pri	nciples.		

Project Description

Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.

Watershed HUC# (if known) -	Emergency Need? No
	Drainage area (mi ² est.) 22
Associated FME's	County Harris, Montgomery
Associated FMS's -	Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Loca	l? No	Pla	aya? No	Other? No	
Population at risk 3	,414		# o	f structures	79			Critical facilities	18	
Farm/Ranch land in	npacted (acr	es) 0			Roadway	(s) impacted (le	length) 2			
Number of low wat	er crossings	0			Historical	road closures	5 0			
										_

100-Year Flood Risk Reduction

Population removed from 100-yr	3244	# of structures removed from 100-yr	49		
Critical facilities removed from 100-yr	10	, Farm/Ranch land removed from 100-vr (acres)	0		
Road removed from 100-yr (miles)	25	Low water crossings removed from 100-yr	0		
Other benefits	20	Reduction in # of road closures over 10 years			
			0		
Impacts					
Negative impacts? No	Negative impacts description	-			
Water supply contributions? -	Water supply contribution desc				
Fatiwa at a d Ca at					

Estimated Cost

Project Cost	\$62,938,000	% Nature-Based -	BCR	0.03
Recurring costs	-	Issues -		





CAN LAGINTO DEGIONAL EL COD DI ANNINO ODOUD

Title Willow Creek Watershed Plan - M	1120 Detention/Preservation Site	SAN JACINTO REGIONAL FLOOD PLANNING GROUP REGIONAL FLOOD PLANNING GROUP
ID# 063000339 Sponsor Harris	County Flood Control District	
RFPG recommend? Yes	Reason for Recommendation Alignmen	t with RFPG goals and TWDB guidance principles.

Project Description

The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek.

Watershed HUC# (if known)	Emergency Need? No	
	Drainage area (mi ² est.) 56	
Associated FME's	County Harris	
Associated FMS's -	Associated FMP's -	
Fridding 400 Very Flaged Diale		

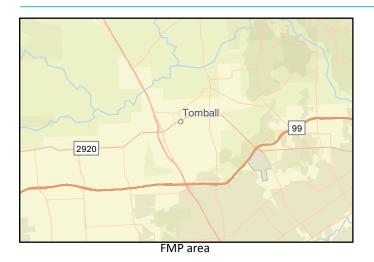
Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal?	No Local?	Yes Playa? N	No Other? No
Population at risk 2,230	# c	of structures 916	Critic	al facilities 5
Farm/Ranch land impacted (acres)	60	Roadway(s)	impacted (length) 27	
Number of low water crossings	5	Historical ro	ad closures 5	

100-Year Flood Risk Reduction

Population removed from 100-yr	548	# of structures removed from 100-yr	127			
Critical facilities removed from 100-	yr O	Farm/Ranch land removed from 100-yr (acres)	0			
Road removed from 100-yr (miles)	2	Low water crossings removed from 100-yr	0			
Other benefits Environmental		Reduction in # of road closures over 10 years	0			
Impacts						
Negative impacts? No	Negative impacts description	-				
Water supply contributions? -	Water supply contribution des	Water supply contribution description -				

Project Cost	\$64,900,000	% Nature-Based -	BCR 0.68
Recurring costs	-	Issues -	





	Dd Mi	on		•		_		NAL F	LOOD I	PLANNIN	IG GROUP					
THE		Ū	, .		·			•	•	R	E	G		U	Ν	6
ID#	063000328	Spons	or Harr	is County	/ Flood Co	ntrol District										
RFPG re	commend?	Yes		Re	ason for F	ecommenda	tion Alignm	ent with RFPG goals	and T	rwdb	guidar	nce prir	nciple	es.		
Projec	t Descripti	on														
The pro	posed proje	ct includes	widening	g sections	s of the Ke	egans Bayou	main channe	el and a 1,600 acre-	eet de	etentio	on basi	n.				
\A/atovah	ad 1111C# (if	lun au un)					_									
watersh	ed HUC# (if	KNOWN) -					Emergency Need? No									
Accoriat	ed FME's						Drainage area (mi ² est.) 23									
								Fort Bend, Harris								
Associat	ed FMS's -						Associat	ed FMP's -								
Existin	g 100 -Year	Flood Ris	sk													
Flood r	isk type:	Riverine?	No		Coastal?	No	Local	? Yes	Pla	ya? N	D			Othe	er? No	
Populat	tion at risk 2	0,045			# c	of structures	3,717		(Critica	l facilit	ies 57				
Farm/R	anch land im	pacted (ac	res) 5				Roadway(s) impacted (length	95							
Numbe	r of low wat	er crossing	s 0				Historical	road closures 0								
100-Ye	ar Flood R	isk Reduc	tion													
Populat	tion removed	d from 100-	-yr	16486			# of s	ructures removed f	rom 1	00-yr		200	09			
Critical	facilities rem	noved from	100-yr	29			Farm,	Ranch land remove	d fron	า 100-	yr (acr	es) 0				
Road re	emoved from	n 100-yr (m	iles)	150			Low water crossings removed from 100-yr 0									
Other b	enefits _						Reduc	ction in # of road clo	sures	over 1	L0 year	rs O				

Impacts			
Negative impacts?	No	Negative impacts description	-
Water supply contribution	s? -	Water supply contribution description	•
Estimated Cost			

Estimated Cost

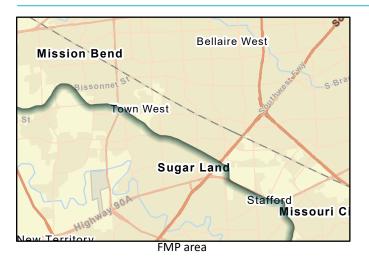
Project Cost \$190,218,000

Recurring costs _

% Nature-Based -



Issues -









RFPG recommend? Yes

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Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Project Description

Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three (3) regional channel and detention projects including C147/C547, Saltwater Ditch, and C506.

Watershed HUC#	(if known)	120401040703,120401040402,12040104050	Emergency Need?	Yes	
			Drainage area (mi ²	² est.)	93
Associated FME's	999999		County Fort Bend	l,Harris	
Associated FMS's	999999		Associated FMP's	999999)

Existing 100-Year Flood Risk

Flood risk type: F	Riverine?	Yes	Coastal?	No	Local?	Yes	Pla	iya? No	Other? No
Population at risk 14	,516		# o	f structures 4,36	7			Critical facilities 59	
Farm/Ranch land imp	pacted (acro	es) 5		R	oadway(s)	impacted (length) 55		
Number of low water	r crossings	4		Н	istorical ro	ad closures 4			

100-Year Flood Risk Reduction

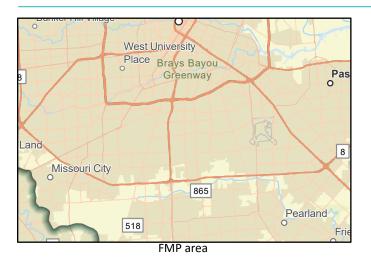
Population removed from 10	0-yr	9352	# of	structures removed from 100-yr	2283
Critical facilities removed from	m 100-yr	32	Farm	n/Ranch land removed from 100-yr (acres)	2.46273494
Road removed from 100-yr (r	niles)	17	Low	water crossings removed from 100-yr	2
Other benefits			Redu	uction in # of road closures over 10 years	2
Impacts					
Negative impacts?	No	Negative impacts description		-	
Water supply contributions?	No	Water supply contribution deso	cription	-	

Estimated Cost

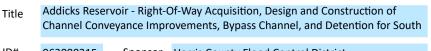
Project Cost\$99,653,000% Nature-Based0Recurring costs\$6,037,488IssuesRight-of-Wa

0 BCR 1.79999995

Issues Right-of-Way, Permitting, Acquisitions, Utility Conflicts









ID# 063000315 Sponsor Harris County Flood Control District

RFPG recommend? Yes

Descen for Decommond

Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.

Project Description

Part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.

Watershed HUC# (if known) 1204010402 1204010403	203, 120401040303,	Emergency I	Veed? No			
	1204010405	.03	Drainage are	ea (mi ² est.) 13			
Associated FME's			County Har	ris			
Associated FMS's -			Associated F	MP's -			
Existing 100-Year Floo	d Dick						
EXISTING TOO-ICAL LIOO							
Flood risk type: Riveri	ne? Yes	Coastal? No	Local? Ye	:S	Playa? No	Other? No	
Population at risk 3,403		# of structures	1,015		Critical facilitie	es 4	
Farm/Ranch land impacte	d (acres) -		Roadway(s) in	npacted (length)	24		
Number of low water cros	sings 0		Historical road	l closures 0			
100-Year Flood Risk Re	duction						
			-				
Population removed from		-	# of struct	tures removed fro	om 100-yr	-	
Critical facilities removed	from 100-yr	-	Farm/Ran	ch land removed	from 100-yr (acres	es) -	
Road removed from 100-y	r (miles)	-	Low wate	r crossings remov	/ed from 100-yr	-	
Other benefits			Reduction	in # of road clos	ures over 10 years	\$ -	
Impacts							
Negative impacts?	No	Negative impacts description	n -				
Water supply contribution	s? -	Water supply contribution de	escription -				
Estimated Cost							
Project Cost \$27,817,7	'50		% Nature-Based	-	BCR 0.73		
Recurring costs \$1,685,34	-1		Issues -				
							212
							1 1





Title	-	Construction o on (2018 Bond		ters Bayou mainstem channel m F-124)	odifications	•.	R	E (GI	(
ID#	063000402	Sponsor	Harris C	ounty Flood Control District						
RFPG re	commend?	Yes		Reason for Recommendation	Alignment with	n RFPG goals a	nd TWDB g	guidance	e princ	iples.

Project Description

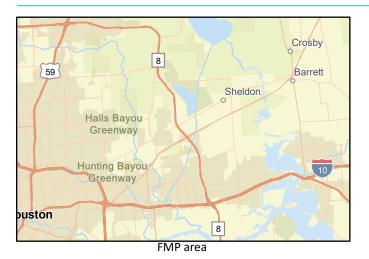
The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts.

Watershed HUC#	(if known)			I	Emergency Need? No		
				ſ	Drainage area (mi ² est.) 67		
Associated FME's	-			(County Harris		
Associated FMS's	-			I	Associated FMP's -		
Existing 100-Ye	ear Flood R	isk					
Flood risk type:	Riverine	No	Coastal? No		Local? Yes	Playa? No	Other? No
Population at ris	k 8,805		# of structur	res 2,569	Э	Critical facilities	s 34
Farm/Ranch land	d impacted (a	acres) 39		Ro	adway(s) impacted (length)	67	
Number of low v	water crossin	gs 2		Hi	storical road closures 0		
100-Year Floor	d Risk Redu	iction					
Population remo	oved from 10	0-yr	3664		# of structures removed fro	m 100-yr	379
Critical facilities	removed from	m 100-yr	8		Farm/Ranch land removed	from 100-yr (acres)) -
Road removed f	rom 100-yr (r	niles)	14		Low water crossings remove	ed from 100-yr	0
Other benefits	-				Reduction in # of road closu	ires over 10 years	0
Impacts							
Negative impact	s?	No	Negative impacts descrip	tion	-		
Water supply co	ntributions?	No	Water supply contributio	n descrip	otion -		
Estimated Cos	t						
Project Cost	\$30,360,000			% Na	ture-Based -	BCR 0.46	

Recurring costs

Issues -

BCK 0.4





SAN JACINTO REGIONAL FLOOD PLANNING GROUP

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		C				· ·											PLANNIN	IG GRO	UP
Title	P518-11-E002	2 (P118-21 Pl	nase II Det	ention) (2	2018 Bo	nd Project (C-41)			•		R	Ε	G		0	Ν		6
ID#	063000396	Sponsor	Harris Co	unty Floc	od Contr	ol District													
RFPG r	ecommend? <mark>Ye</mark>	S		Reason	for Rec	ommendati	on Ali	ignment	with	RFPG g	oals and	TWDB	guida	nce pri	nciple	s.			
Durt		_																	

Project Description

This project provides for design and construction for the second phase of the Aldine Westfield North Detendion Basin in the Halls Bayou watershed.

Watershed HUC#	[#] (if known)	-		Emer	gency Need? No		
				Drain	age area (mi ² est.) 52		
Associated FME's	-			Coun	ty -		
Associated FMS's	-			Assoc	ciated FMP's -		
Existing 100-Y	ear Flood	Risk					
Flood risk type:	Riverine	e? No	Coastal? No	Lo	cal? Yes	Playa? No	Other? No
Population at ri	sk 9,316		# of structures	3,412		Critical facilitie	25 3
Farm/Ranch lan	d impacted	(acres) 3		Roadwa	ay(s) impacted (length)	22	
Number of low	water crossi	ngs 1		Historio	cal road closures 1		
100-Year Floo	d Risk Red	uction					
Population rem	oved from 1	00-yr	423	# o	f structures removed fro	om 100-yr	129
Critical facilities	removed fr	om 100-yr	0	Far	m/Ranch land removed	from 100-yr (acres	s) -
Road removed	from 100-yr	(miles)	0	Lov	w water crossings remov	ed from 100-yr	0
Other benefits	-			Ree	duction in # of road clos	ures over 10 years	0
Impacts			_				
Negative impact	ts?	No	Negative impacts description		-		
Water supply co	ontributions	? No	Water supply contribution de	escription	-		
Estimated Co	st						
Project Cost	\$10,371,00	0		% Nature	-Based -	BCR 0	

Recurring costs \$415,000

Issues -





Pearland

6

FMP area

288

League City

Title	Clear Creek Mid C-03 and F-02)	d reach (Ba	sed on 20)12 GRF	R) Updated Plan	n (2018 Bo	ond Projects			•••••••••••••••••••••••••••••••••••••••			_	_	_	 GROUP 6
ID#	063000474	Sponsor	Harris C	ounty F	lood Control D	istrict										
RFPG re	ecommend? Yes			Reas	on for Recomn	nendation	Alignment	with	RFPG goa	als and	TWDB	guida	nce pri	inciple	s.	

Project Description

The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek.

Watershed HUC#	# (if known) -			Emerge	ncy Need? No		
	Ϋ́Υ, Ϋ́Υ			-	e area (mi ² est.) 201		
Associated FME's	5			County			
Associated FMS's					- ed FMP's -		
	, -			ASSOCIAL	eu Finir S		
Existing 100-Y	ear Flood Rig	sk					
Flood risk type:	Riverine?	Yes	Coastal? No	Local	l? Yes	Playa? No	Other? No
Population at ris	sk 57,612		# of structures	18,615		Critical faci	ilities 144
Farm/Ranch lan	id impacted (ac	res) 316		Roadway(s) impacted (length)	446	
Number of low	water crossings	s 5		Historical	road closures -		
100-Year Floo	d Rick Reduc	tion					
					· · · · · · · · · · · · · · · · · · ·	100	
Population rem			-		tructures removed fro	•	-
Critical facilities	removed from	100-yr	-	Farm/	Ranch land removed	from 100-yr (a	cres) -
Road removed f	from 100-yr (m	iles)	-	Low v	vater crossings remov	ved from 100-yr	· -
Other benefits	-			Reduc	ction in # of road clos	ures over 10 ye	ars -
Impacts							
Negative impact	ts? No	0	Negative impacts description	n -			
Water supply co	ontributions? N	0	Water supply contribution d	lescription -			
Estimated Co	st						
Project Cost	\$295,267,680			% Nature-Ba	ised -	BCR 0.54	
Recurring costs	\$582,554			Issues -			
69 and Missouri City	288		Pasadena		tin		



FMP area

Melrose Park

Aittine-Dr

Halls Bayou - Right-Of-Way, Design, and Construction of Chan Improvements on P118-23-00 and P118-23-02 063000397 Sponsor Harris County Flood Control District G recommend? Yes Reason for Recommend pipect Description project provides for the design and construction of flood mitigation 8-23-02.	ct dation Alignment with RFPG go		GI ance princi	D ples.	N 6
G recommend? Yes Reason for Recommend ject Description project provides for the design and construction of flood mitigation	dation Alignment with RFPG go		ance princi	ples.	
ject Description project provides for the design and construction of flood mitigation			ance princi	ples.	
project provides for the design and construction of flood mitigation	on improvements including det	ention basins along			
project provides for the design and construction of flood mitigation	on improvements including det	ention basins along			
project provides for the design and construction of flood mitigation	on improvements including det	ention basins along			
8-23-02. (2018 Bond Project C-26 & C-27)		chilon basins along	P118-23-0	0 and con	crete lining
ershed HUC# (if known) 120401040605,120401040601,12040104	1020				
		n			
pciated FME's	Drainage area (mi ² est.)	Z			
ociated FMS's -	County Harris Associated FMP's -				
	Associated FMF 5 -				
sting 100-Year Flood Risk					
od risk type: Riverine? Yes Coastal? No	Local? Yes	Playa? No		Other?	No
ulation at risk 1,108 # of structures	s 289	Critical faci	lities 0		
m/Ranch land impacted (acres) -	Roadway(s) impacted (leng	th) 2			
nber of low water crossings 0	Historical road closures 1				
)-Year Flood Risk Reduction					
pulation removed from 100-yr 1109	# of structures remove	d from 100-yr	286		
ical facilities removed from 100-yr	Farm/Ranch land remo	ved from 100-yr (ad	cres) -		
id removed from 100-yr (miles) 23	Low water crossings re	moved from 100-yr	0		
er benefits	Reduction in # of road	closures over 10 ye	ars O		
pacts					
ative impacts? No Negative impacts description					
ter supply contributions? No Water supply contribution	description -				
imated Cost					
ect Cost \$31,317,000	% Nature-Based -	BCR 0.482			
urring costs _	Issues -				
Halls Bayou Gulf-Bank-Rd	tin		3	K	

Regional view of FMP area

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Flood Mitigation Project (FMP)		SAN JACINTO REGIONAL FLOOD PLANNING GROUP								
Title Halls Bayou - Right-Of-Way, Design, and Construction of Channel Improvements on P118-25-00 & P118-25-01	Conveyance	REGION 6								
ID# 063000399 Sponsor Harris County Flood Control District										
RFPG recommend? Yes Reason for Recommendation	on Alignment with RFPG goals a	and TWDB guidance principles.								
Project Description										
This project provides analysis and preliminary design (Alternative 3b) for P118-25-01 (Halls Bayou Tributary).	detention basin, widening of exis	sting channels, and extension of channel								
Watershed HUC# (if known) 120401040605,120401040601,12040104030	D Emergency Need? No									
	Drainage area (mi ² est.) 52									
Associated FME's	County Harris									
Associated FMS's -	Associated FMP's -									
Existing 100-Year Flood Risk										
-										
Flood risk type: Riverine? Yes Coastal? No	Local? Yes	Playa? No Other? No Critical facilities 92								
Population at risk 38,873 # of structures 13										
Farm/Ranch land impacted (acres) 14 Number of low water crossings 7	Roadway(s) impacted (length) 137									
Aumber of fow water clossings 7	Historical road closures 1									
100-Year Flood Risk Reduction										
Population removed from 100-yr 3088	# of structures removed from 100-yr 952									
Critical facilities removed from 100-yr 3	Farm/Ranch land removed from 100-yr (acres) -									
Road removed from 100-yr (miles) 5	Low water crossings removed from 100-yr 0									
Other benefits _	Reduction in # of road closures over 10 years 0									
Impacts										
Negative impacts? No Negative impacts description	-									
Water supply contributions? No Water supply contribution des	cription -									
Estimated Cost										
Project Cost \$14,938,614 %	Nature-Based -	ure-Based - BCR 0.958								
Recurring costs _ Is	ssues -									





		SAN JACINT	O REGIONAL FLOOD PLANNING GROUP					
Title Halls Bayou - Right-Of-Way, Design, and Construction of Cha Improvements on P118-27-00	innel Conveyance		GION 6					
ID# 063000400 Sponsor Harris County Flood Control Distr	rict							
RFPG recommend? Yes Reason for Recommer	ndation Alignment with RFPG goals	and TWDB guidar	nce principles.					
Project Description								
This project provides analysis and description of the existing flooding mitigation alternatives, including detention basis and channel impro	-	atchment area ar	1d consequently develops flood risk					
Watershed HUC# (if known) 120401040605,120401040601,1204010	04030 Emergency Need? No							
	Drainage area (mi ² est.) 6							
Associated FME's	County Harris							
Associated FMS's -	Associated FMP's -							
Existing 100-Year Flood Risk								
Flood risk type: Riverine? Yes Coastal? No	Local? Yes	Playa? No	Other? No					
Population at risk 1,083 # of structur	res 326	Critical facilit	ties 5					
Farm/Ranch land impacted (acres) 0	Roadway(s) impacted (length)	3						
Number of low water crossings 5	Historical road closures 1							
100-Year Flood Risk Reduction								
Population removed from 100-yr 1811	# of structures removed fr	om 100-yr	325					
Critical facilities removed from 100-yr 5	Farm/Ranch land removed	l from 100-yr (acr	res) -					
Road removed from 100-yr (miles) 26	Low water crossings remo	ved from 100-yr	0					
Other benefits	Reduction in # of road clos	Reduction in # of road closures over 10 years 0						
Impacts Negative impacts? No Negative impacts descrip	tion -							
Water supply contributions? No Water supply contribution	n description -							
Estimated Cost								
Project Cost \$23,679,032	% Nature-Based -	BCR 2.18						
Recurring costs \$1,420,742	Issues -							
West-Rd								

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Regional view of FMP area

																LANNIN		ן א
Title	Halls Bayou D	rainage Proje	ect Bond C	-01						•.	R	Ε	G	L	0	Ν	6	6
ID#	063000470	Sponsor	Harris Co	unty Fl	lood Contr	ol District												
RFPG re	ecommend? Ye	S		Reas	on for Rec	ommendatio	n Alignme	ent wit	h RF	PG goals ar	nd TWDE	3 guida	nce pri	inciple	es.			
Projec	t Description	า																
	es for design an e replacement o			•	nproveme	nts to P118-2	6-00 inclu	iding ap	oprox	ximately 11	9 acre-f	eet of t	total st	orage	betw	een two	o basin	IS
		> 12040		12040	4040604 4	2040404020												

Watershed HUC# (if known)	120401040605,120401040601,12040104030	Emergency Need? No
		Drainage area (mi ² est.) 52
Associated FME's		County Harris
Associated FMS's -		Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local? No	Playa? No	Other? Yes		
Population at risk		# c	of structures 67	7	Critical facilities 0				
Farm/Ranch land i	res) 0		Roadway(s) impacted (length) 3						
Number of low water crossings 3				Historical road closures 1					
100-Year Flood Risk Reduction									
Population remove	ed from 100-	yr O			# of structures removed	from 100-yr	677		
Critical facilities re	moved from	100-yr _			Farm/Banch land remove	d from 100-yr (acres)	-		

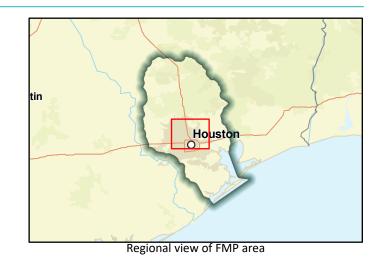
Road removed from 100-yr	r (miles)	3 Low	w water crossings removed from 100-yr	1
Other benefits _		Re	1	
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions? No		Water supply contribution description	-	
Ectimated Cost				

Estimated Cost

 Project Cost
 \$22,385,161
 % Nature-Based
 BCR
 2.31999993

 Recurring costs
 \$710,716
 Issues



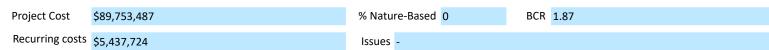


SAN JACINTO REGIONAL FLOOD PLANNIN	
Title Houston Fifth Area Flood Mitigation REGION	6
ID# 063000417 Sponsor Houston (Municipality)	
RFPG recommend? Yes Reason for Recommendation Alignment with RFPG goals and TWDB guidance principles.	

Project Description

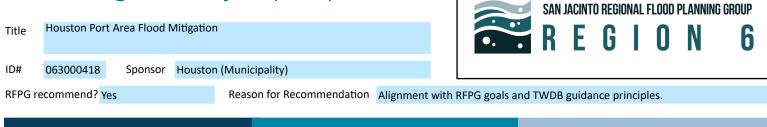
This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.

Watershed HUC# (if known) 1204010	040701	Emergency Need? No								
		Drainage area (mi ² est.) 41	Drainage area (mi ² est.) 41							
Associated FME's 999999		County Harris	County Harris							
Associated FMS's 999999		Associated FMP's 999999								
Existing 100-Year Flood Risk										
Flood risk type: Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No						
Population at risk 6,289	# of structures 2	2,162	162 Critical facilities 19							
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted (length)	Roadway(s) impacted (length) 36							
Number of low water crossings 0		Historical road closures 0								
100-Year Flood Risk Reduction										
Population removed from 100-yr	4125	# of structures removed from 100-yr 1306								
Critical facilities removed from 100-y	r 16	Farm/Ranch land removed from 100-yr (acres) 1.751e-05								
Road removed from 100-yr (miles)	16	Low water crossings removed from 100-yr 0								
Other benefits		Reduction in # of road closures over 10 years 0								
Impacts										
Negative impacts? No	Negative impacts description	-								
Water supply contributions? No	Water supply contribution de	scription -								









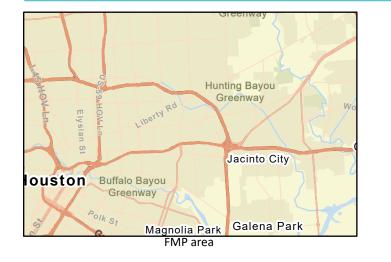
Project Description

The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.

Watershed HUC;	# (if known)	12040104)701			Em	Emergency Need? No							
						Dra	inage area (mi² est	.) 41						
Associated FME's	999999					Coι	County Harris							
Associated FMS	5 999999					Ass	ociated FMP's 9999	999						
Existing 100-	lear Flood	Risk												
Flood risk type:	Riverin	e? No		Coastal?	No		ocal? Yes		Playa? No		Other? No			
Population at ri	sk 2,550			# 0	of structures	765			Critical facili	ties 20				
Farm/Ranch lar	d impacted	(acres) 0				Road	way(s) impacted (le	ength)	14					
Number of low	water crossi	ings O				Historical road closures 0								
100-Year Floo	d Risk Rec	luction												
Population rem	oved from 1	.00-yr	1912	12 # of struct			of structures remo	ctures removed from 100-yr 538						
Critical facilities	removed fr	om 100-yr	0	Farm/Ranch land				d removed from 100-yr (acres) 0.24239976						
Road removed	from 100-yr	(miles)	2			L	Low water crossings removed from 100-yr							
Other benefits	-					R	eduction in # of roa	ad closu	ures over 10 yea	rs 0				
Impacts														
Negative impac	ts?	No	Negat	tive impac	ts descriptior	า	-							
Water supply co	ontributions	? No	Wate	r supply co	ontribution d	escriptic	n -							
Estimated Co	ct													
Estimated Co	51													
Project Cost	\$99,021,35	0				% Natu	e-Based 0		BCR 0.3					

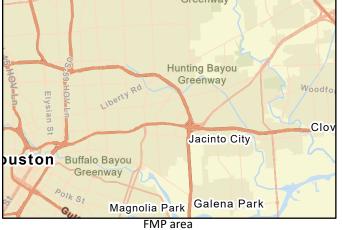
Recurring costs \$5,999,219

Issues -





Flood Mitigation Pr	oject (FMP)				
Title Houston Kashmere Gardens Area	Flood Mitigation	•		REGIONAL FLOOD PLANN	6 IING GRUUP
ID# 063000434 Sponsor Housto	on (Municipality)				
RFPG recommend? Yes	Reason for Recommendat	ion Alignment with RFPG goals a	ind TWDB guidan	ce principles.	
Project Description					
The project includes improvements to stor	m sewer. roadside ditch syste	ms. culverts. sewer inlets. and the	e construction of	detention basins.	
- F - J	,	-,,,,,			
		-			
Vatershed HUC# (if known) 12040104070	3,120401040604,1204010406				
		Drainage area (mi ² est.) 31			
ssociated FME's 999999		County Harris			
Associated FMS's 999999		Associated FMP's 999999			
xisting 100-Year Flood Risk					
Flood risk type: Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No)
Population at risk 2,985	# of structures		Critical faciliti		
arm/Ranch land impacted (acres) -		Roadway(s) impacted (length)	21		
Number of low water crossings 0		Historical road closures 0			
00-Year Flood Risk Reduction					
_	101	# of structures removed fre		457	
Population removed from 100-yr Critical facilities removed from 100-yr 1	494	# of structures removed fro	-	457	
Road removed from 100-yr (miles)		Farm/Ranch land removed Low water crossings remov		0	
Other benefits		Reduction in # of road close			
maata				0	
mpacts Negative impacts? No	Negative impacts description	-			
Water supply contributions? No	Water supply contribution de				
Estimated Cost					
roject Cost \$94,879,859	ç	% Nature-Based 0	BCR 1.09		
Recurring costs \$5,748,306		Issues -			
- 99,770,500					
Green	iway				}



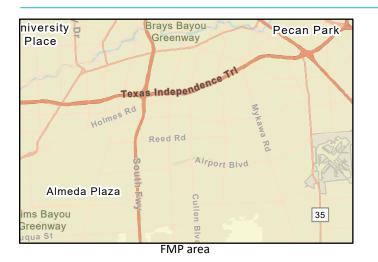


Floo	od M	itigat	ior	n Proje	ect (FMP)			SAN	ΙΔΩΙΝΤΙ) RFGIN	INAI F	ו חחח ו	PLANNI	NG GROI	IP
Title	Houston S	Sunnyside A	Area Fl	ood Mitigati	on		•••••	R	E	G		0	N		6
ID#	06300046	8 Spoi	nsor	Houston (M	unicipality)										
RFPG re	commend	? Yes		R	eason for Recommendat	ion Alignment with F	RFPG goals and	I TWDB	guidar	nce pri	ncipl	es.			
Projec	t Descrip	tion													
				stems on ma oposed impr	jor thoroughfares & new ovements.	or improved neighbo	orhood storm s	ewer sy	stems	. Will a	also r	equire	constr	uction	of
Watersh	ied HUC# ((if known)	12040	1040402,120	0401040502,1204010409	50 Emergency Need? Drainage area (mi ³									
Associat	ed FME's	999999				County Harris									
Associat	ted FMS's	999999				Associated FMP's	999999								
Existin	g 100-Ye	ar Flood F	Risk												
Flood r	isk type:	Riverine	? No)	Coastal? No	Local? Yes	Р	laya? No	D			Othe	er? No		
Popula	tion at risk	22,844			# of structures 7	7,876		Critica	l facilit	ties 97					
Farm/R	anch land	impacted (acres)	4		Roadway(s) impacte	ed (length) 1	05							
Numbe	er of low w	ater crossir	ngs	0		Historical road closu	ures <mark>0</mark>								
100_Ve	ar Flood	Risk Redu	Ictio	n											

100-fear Flood Kisk Reduction			
Population removed from 100-yr	4760 #	of structures removed from 100-yr	1410
Critical facilities removed from 100-yr	20 F	arm/Ranch land removed from 100-yr (acres)	0.03077
Road removed from 100-yr (miles)	9 L	ow water crossings removed from 100-yr	0
Other benefits _	R	Reduction in # of road closures over 10 years	0
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution description	on -	

Estimated Cost

BCR 1.2 % Nature-Based 0 Project Cost \$111,281,647 Recurring costs \$551,258 Issues -





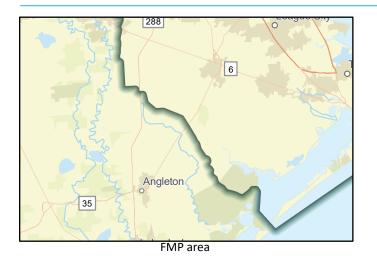
FIO	od IVI	ιπgaπ	on Proj	ect (FIVIP)		SANI	лсілта) REGIU	ΝΛΙ Ι	בו טטט ו	DI ANNIN	G GROUP
Title	City of Alv	in Unified De	evelopment Orc	linance	•		E	G		0	N	6
ID#	06300020	1 Spons	or Alvin (Mur	icipality)								
RFPG r	ecommend	? Yes		Reason for Recommendat	ion Alignment with RFPG goals	and TWDB {	guidan	nce pri	incipl	les.		
Proje	ct Descrip	tion										
		•	de combines al evelopment coo		ingle document with a logical str	ucture that	is usei	r frien	dly. (Cost is	time, da	ata and
Waters	hed HUC# (if known) 12	20402040300,1	20402040200,120402040	40 Emergency Need? No							
					Drainage area (mi ² est.) 25							
Associa	ted FME's	999999			County Brazoria, Galveston, F	ort Bend						
Associa	ated FMS's	999999			Associated FMP's 999999							
Existi	ng 100-Y ea	ar Flood Ri	sk									
Flood	risk type:	Riverine?	No	Coastal? No	Local? Yes	Playa? No)			Othe	er? No	
Popula	ation at risk	15,192		# of structures	3,445	Critical	facilit	ies <mark>18</mark>	;			
Farm/	Ranch land	impacted (ad	cres) -		Roadway(s) impacted (length)	57						
Numb	er of low wa	ater crossing	s O		Historical road closures 0							

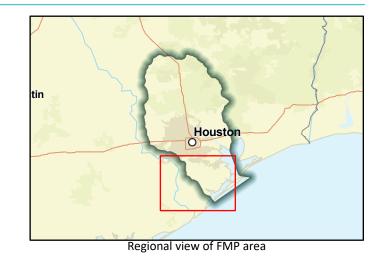
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100-Year Flood Risk Reduction

Population removed from 10	00-yr	- #o	f structures removed from 100-yr	-
Critical facilities removed fro	om 100-yr	- Far	m/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	- Lov	v water crossings removed from 100-yr	-
Other benefits _		Re	duction in # of road closures over 10 years	-
Impacts				
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions?	No	Water supply contribution description	-	
Estimated Cost				

Project Cost	\$100,000	% Nature-Based 0	BCR 5
Recurring costs	\$5,059	Issues -	





Title	Danubina Drair	nage Impro	vements			•					I PLANNING N	
ID#	063000422	Sponsor	Baytown (Municipality)								
RFPG re	commend? Yes			Reason for Recommendation	Alignment with	RFPG goals and	d TWDB	guidar	nce prii	nciples.		

Project Description

This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.

Watershed HUC# (if known) -	Emergency Need? No
	Drainage area (mi ² est.) 48
Associated FME's	County Chambers, Harris
Associated FMS's -	Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local	? Yes		Playa? No	Other? No
Population at risk 4	28		# 0 ⁻	f structures 1	137			Critical facilities 0	
Farm/Ranch land in	npacted (acro	es) -			Roadway(s) impacted (len	ngth)	5	
Number of low wat	er crossings	0			Historical	road closures -			

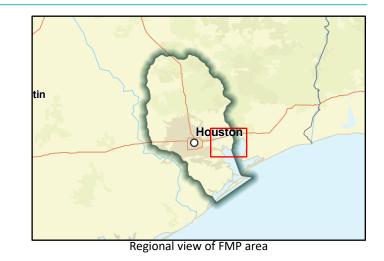
100-Year Flood Risk Reduction

Population removed from 100	0-yr	304	# of structures removed from 100-yr	111
Critical facilities removed from	n 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (n	niles)	10	Low water crossings removed from 100-yr	0
Other benefits			Reduction in # of road closures over 10 years	0
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions? -		Water supply contribution descri	ption -	

Estimated Cost

Project Cost	\$18,467,088	% Nature-Based -	BCR 0.96
Recurring costs	-	Issues -	





Title	Galveston Bay	Surge Prote	ection Coas	stal Storm Risk Management		•.	R	Ε	G		0	N	6
ID#	063000127	Sponsor	Gulf Coas	t Protection District									
RFPG re	commend? <mark>Yes</mark>			Reason for Recommendation	Alignment wit	th RFPG goals a	nd TWDB	guidar	nce pri	nciple	25.		
Projec	t Description												

Federal projects identified in the Texas Coastal Study (2021) including Boliver Gates, Galveston Sea Wall Improvements, Ecosystem Restoration, Galveston Ring Barrier system, Clear Creek & Dickinson Bayou Gates, and non-structural measures.

Watershed HUC# (if known)	120401030201,120401030108,12040103010	Emergency Need? Yes
		Drainage area (mi ² est.) 1,905
Associated FME's 999999		County Brazoria, Galveston, Fort Bend, Chambers, Harris, Liberty
Associated FMS's 999999		Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No	coastal	? Yes	Local? No	Playa? No	Other? No
Population at risk 266,742	#	of structures 103,71	16	Critical facilities 3,158	
Farm/Ranch land impacted (acres)	10,544	Roa	dway(s) impacted (length)	1,681	
Number of low water crossings	39	Hist	orical road closures 39		

100-Year Flood Risk Reduction

Population remo	opulation removed from 100-yr		346773		structures removed from 100-vr	75744
Critical facilities removed from 100-yr		2086		n/Ranch land removed from 100-yr (acres)	4693 63183594	
, Road removed from 100-yr (miles)		1056		water crossings removed from 100-yr	16	
Other benefits Environmental, Publi		,			с ,	
		ntal, Public	Uplint, Low Impact	Red	uction in # of road closures over 10 years	16
Impacts						
Negative impacts	?	No	Negative impacts description		-	

Water supply contributions? No	Water supply	contributions?	No
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Estimated Cost

Project Cost \$24,107,064,000 % Nature-Based 0

Water supply contribution description -

BCR 1.90999997

SAN JACINTO REGIONAL FLOOD PLANNING GROUP

Recurring costs \$1,399,698,560

Issues Right-of-Way, Permitting, Acquisitions, Relocations, Environmental Concerns





Title	Bolivar Penins and Island Pro		st Bay Gulf Intracoastal Waterway (GIWW) Sh	noreline	•. •	RE	GI	0	Ν	6
ID#	063000128	Sponsor	Gulf Coast Protection District							
RFPG r	ecommend? No)	Reason for Recommendation Y	ields no direct	flood risk redu	ction benefit	and does	not hav	e a BCR.	
Droio	ct Description	n								

Project Description

Ecosystem restoration efforts planned along the GIWW such as the restoration of wetlands and islands, construction of breakwaters, and oyster reef scaling will provide natural buffer from coastal storm surge and prevent erosion.

Watershed HUC#	(if known)	120401030201,120401030108,12040103010	Emerger	ncy Need?	Yes			
			Drainage	e area (mi²	est.)	1,559		
Associated FME's	999999		County	Brazoria,G	alvest	on,Fort Bend,Chamb	pers, Harris, Liberty	/
Associated FMS's	999999		Associat	ed FMP's	06300	0127		

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	Yes	l	Local?	lo		Playa?	No		Other? No	
Population at risk 4	23,473		# o	f structures 1	141,236	5			Criti	cal facilities	2,320		
Farm/Ranch land im	pacted (acr	es) 13,922			Road	way(s) i	mpacted (len	igth)	2,432				
Number of low wate	er crossings	82			Histo	rical roa	d closures <mark>8</mark> 2	2					

100-Year Flood Risk Reduction

Population removed from 100-yr		00-yr	-	-	
Critical facilities removed from 100-yr		m 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)		miles)		Low water crossings removed from 100-yr	-
Other benefits Environmental, Low		ntal, Low In	npact Development Features	-	
Impacts					
Negative impacts	?	No	Negative impacts description	-	
Water supply con	tributions?	No	Water supply contribution desc	cription -	

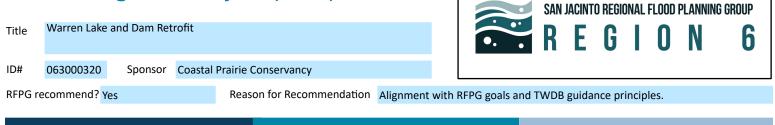
Estimated Cost

Project Cost \$1,200,169,000 % Nature-Based 100 BCR -Recurring costs \$72,712,360 Issues Right-of-Way, Permitting, Relocations





SAN JACINTO REGIONAL FLOOD PLANNING GROUP



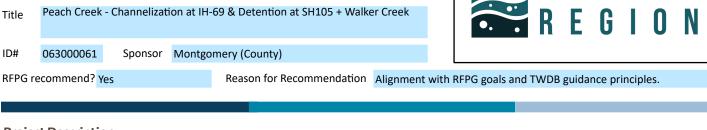
Project Description

Retrofit dam to improve detention of flood & storm water runoff, new 137.3 ac wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 ac-ft of total storage during rainfall events.

Watershed HUC# (if known) 12040	1020103	Emergency Need? No						
		Drainage area (mi ² est.) 2						
Associated FME's 999999		County Harris						
Associated FMS's 999999		Associated FMP's 999999						
Existing 100-Year Flood Risk								
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No				
Population at risk 94	# of structures 4	47	Critical facilities 0					
Farm/Ranch land impacted (acres)	183	Roadway(s) impacted (length)	-					
Number of low water crossings	0	Historical road closures -						
100-Year Flood Risk Reduction								
			100					
Population removed from 100-yr	94	# of structures removed fro	om 100-yr 47					
Critical facilities removed from 100	-yr O	Farm/Ranch land removed	from 100-yr (acres) 0					
Road removed from 100-yr (miles)	0	Low water crossings remov	ed from 100-yr 0					
Other benefits _		Reduction in # of road closu	ures over 10 years 0					
Impacts								
Negative impacts? No	Negative impacts description	-						
Water supply contributions? No	Water supply contribution de	escription -						
Estimated Cost								
Estimated Cost								
Project Cost \$6,438,252	ç	% Nature-Based -	BCR 4.45					
Recurring costs _		Issues -						







Project Description

Widen 4.3-mile-long stretch to increase conveyance capacity. Must be completed with 4.7-mile-long detention at SH105 and 3.2-mile-long at Walker Creek to reduce flooding in Peach Creek watershed.

Watershed HUC# (if know	n) 120401030110,120401030102,12040103010	Emergency Need? Yes
		Drainage area (mi ² est.) 158
Associated FME's 99999		County Liberty, Montgomery, San Jacinto, Walker
Associated FMS's 99999		Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Pla	aya? No	Other? No
Population at risk 2	,166		# o	f structures 1,5	16			Critical facilities 1	
Farm/Ranch land im	pacted (acro	es) 16		F	Roadway(s)	impacted (length)	45		
Number of low wate	er crossings	6		H	listorical ro	oad closures 6			

100-Year Flood Risk Reduction

Population removed from 10	00-yr	1855	# of structures removed from 100-yr	1146
Critical facilities removed from 100-yr		1	Farm/Ranch land removed from 100-yr (acres)	2.85938144
Road removed from 100-yr (miles)		24	Low water crossings removed from 100-yr	0
Other benefits _			Reduction in # of road closures over 10 years	0
lueue etc				
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions?	No	Water supply contribution desc	cription -	

Estimated Cost

Project Cost \$810,000,000 % Nature-Based 0 Recurring costs \$48,657,712

BCR 0.25999999

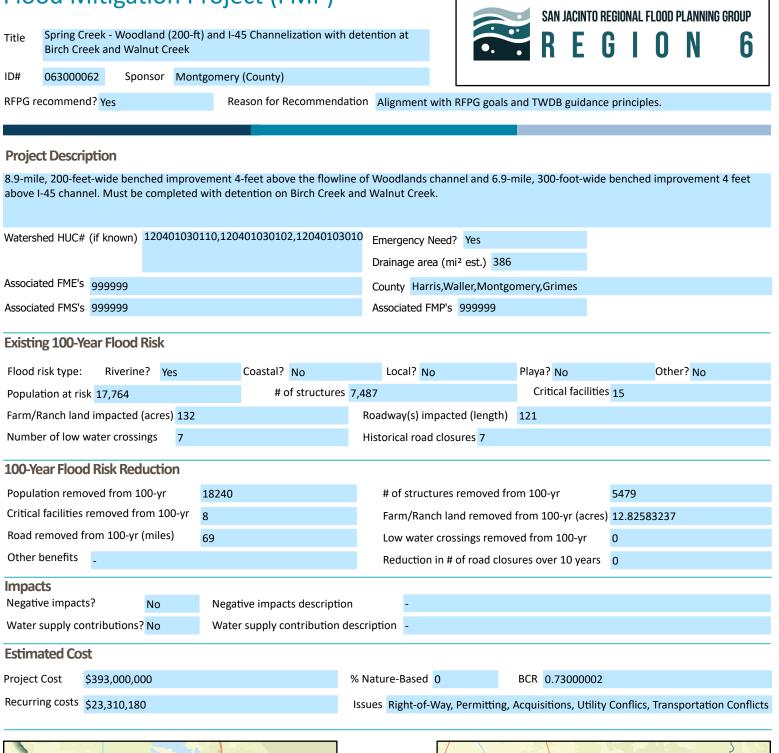
SAN JACINTO REGIONAL FLOOD PLANNING GROUP

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Issues Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts

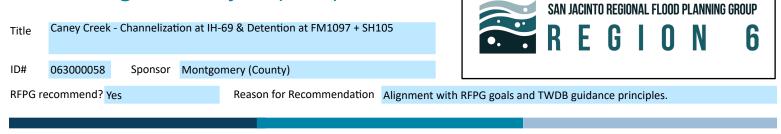












Project Description

Reduce flooding in the Caney Creek watershed by benching/widening a 7.8-mile-long stretch to increase conveyance capacity. Must be constructed with detention at FM1097 or detention at SH105 to capture runoff from Caney Creek.

Watershed HUC# (if known) -	Emergency Need? Yes
	Drainage area (mi ² est.) 371
Associated FME's 999999	County Harris, Liberty, Montgomery, San Jacinto, Walker
Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? N	o Local? No	Playa? No	Other? No
Population at risk 5,370	# of s	structures 3,641	Critical facilities	s 1
Farm/Ranch land impacted (acres) 79		Roadway(s) impacted (l	length) 91	
Number of low water crossings 9		Historical road closures	9	

100-Year Flood Risk Reduction

Population removed from 100-yr	4049	# of structures removed from 100-yr	2422
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	27.31976891
Road removed from 100-yr (miles)	42	Low water crossings removed from 100-yr	0
Other benefits _		Reduction in # of road closures over 10 years	0
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descr	iption -	

Estimated Cost

Project Cost \$469,000,000

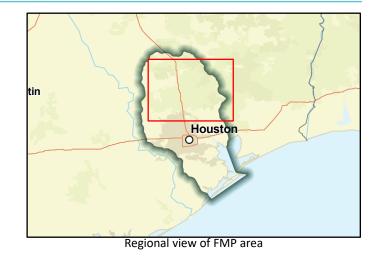
Recurring costs \$31,939,132

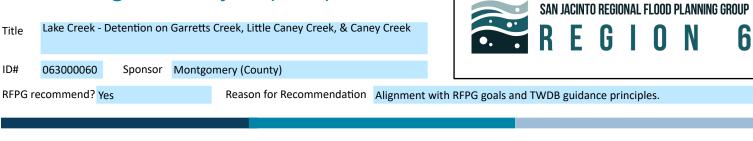
% Nature-Based 0

BCR 0.3000001

Issues Right-of-Way, Permitting, Acquisitions, Utility Conflicts, Transportation







Project Description

The goal of the detention ponds is to reduce flooding in the Lake Creek and West Fork watersheds by constructing earthen impoundments that captures runoff from Garrett's Creek, Caney Creek, & Little Caney Creek.

Watershed HUC# (if known	120401010101,120401010301,12040101030	Emergency Need? Yes	
		Drainage area (mi ² est.) 104	
Associated FME's 999999		County Montgomery, Grimes	
Associated FMS's 999999		Associated FMP's 999999	

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local? No		Playa?	No	Other? No
Population at risk 4	49		# o	f structures 4	79		Critic	al facilities 0	
Farm/Ranch land im	pacted (acre	es) 198			Roadway(s) impacted ((length)	18		
Number of low wate	er crossings	5			Historical road closures	es 5			
100 Veer Fleed D	al. Do du ati								

100-Year	Flood	Risk	Redu	uction
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Population removed from 100-yr	383	# of structures removed from 100-yr	355		
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	-4.00026083		
Road removed from 100-yr (miles)	5	Low water crossings removed from 100-yr	1		
Other benefits _		Reduction in # of road closures over 10 years	1		
Impacts					
Negative impacts? No	Negative impacts description	-			
Water supply contributions? No	Water supply contribution desc	ription -			
Estimated Cost					

Project Cost\$291,000,000% Nature-Based0BCR0.25999999Recurring costs\$7,849,952IssuesRight-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts





																G GROUP	
Title	Blalock Road Dr	ainage Imp	provement	t Project					•.		E	G		0	Ν	6	
ID#	063000327	Sponsor	Piney Poi	int Village	e (Munic	ipality)											
RFPG r	ecommend? Yes			Reason	n for Reco	ommendation	Alignment	with R	FPG goals a	nd TWD	B guic	ance p	rincipl	es.			

Project Description

The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues.

Watershed HUC	# (if known)	12040104	0303	Emor	gency Need? No					
	(,				u ,					
					age area (mi ² est.) 1					
Associated FME's	5 _			Count	y Harris					
Associated FMS	5 -			Assoc	iated FMP's -					
Existing 100-	ear Flood	Risk								
Flood risk type:	Riverin	e? Yes	Coastal? No	Lo	cal? Yes	Playa? No	Other? No			
Population at ri	sk 1,519		# of structures	364		Critical facilitie	⁵⁵ 0			
Farm/Ranch lar	Farm/Ranch land impacted (acres) -				ay(s) impacted (length)	6				
Number of low	water cross	ings 0		Historic	Historical road closures -					
100-Year Floo	d Risk Rec	luction								
Population rem	oved from 1	.00-yr	498	# o	# of structures removed from 100-yr 54					
Critical facilities	removed fr	om 100-yr	0	Far	Farm/Ranch land removed from 100-yr (acres) -					
Road removed	from 100-yr	(miles)	1	Lov	v water crossings remove	ed from 100-yr	0			
Other benefits	-			Rec	luction in # of road closu	ures over 10 years	0			
Impacts										
Negative impac	ts?	No	Negative impacts description	า	-					
Water supply contributions? - Water supply contribution des					-					
Estimated Co	st									
			% Nature-	Pacod	BCR 0					
Project Cost \$19,323,500 %				/o Mature-	Daseu -	DCN U				

Recurring costs \$1,170,700

Issues -





	U				SAN J	ACINT) REGIO	NAL FLO	OD PLANNING	G GROUP
itle	City of Cleveland Or	dinace Upda	ate Pipeline Right-of-Way	•	R	Ε	G) N	6
)#	063000126 Spc	onsor Cleve	eland (Municipality)							
FPG re	ecommend? No		Reason for Recommendatio	n Yields no direct flood risk re	duction bei	nefits	and do	oes not l	have a BCR.	
roje	ct Description									
dopt	25-foot setback from	pipeline rig	nt-of-way.							
atersl	hed HUC# (if known)	120401030	201,120401030108,12040103010	Emergency Need? No						
				Drainage area (mi ² est.) 19						
socia	ted FME's 999999			County Liberty, Montgomery,	San Jacinto)				
ssocia	ited FMS's 999999			Associated FMP's 999999						
xistir	ng 100-Year Flood	Risk								
	risk type: Riverine		Coastal? No	Local? Yes	Playa? No)		0	ther? No	
	ation at risk 1,037		# of structures 26		Critical		ties 0			
arm/I	Ranch land impacted	(acres) 29		Roadway(s) impacted (length)	27					
lumbe	er of low water crossi	ngs 1		Historical road closures 1						
00-Ye	ear Flood Risk Red	luction								
opula	ation removed from 1	00-yr		# of structures removed fro	om 100-yr		-			
ritica	I facilities removed fro	om 100-yr	-	Farm/Ranch land removed	from 100-y	/r (acr	es) -			
load r	removed from 100-yr	(miles)	-	Low water crossings remov	ed from 10	00-yr	-			
Other	benefits _			Reduction in # of road clos	ures over 1	0 year	rs -			
npac										
-	ve impacts? supply contributions?	No	Negative impacts description Water supply contribution desc	-						
				-						
	ated Cost		0/	Natura Recod						
roject	Cost \$55,000 ing costs \$2,783			Nature-Based 0	BCR -					
ecum	s2,/83		IS	sues Right-of-Way						
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Flood Mitigation Project (FMP)		SAN JA	CINTO REC	IONAL	. FLOOD	PLANNING	GROUP	
Title City of Cleveland Floodplain Land-Use Ordinance			EG		0	N	6	
D# 063000123 Sponsor Cleveland (Municipality)							_	
RFPG recommend? Yes Reason for Recommendati	on Alignment with RFPG goals	and TWDB g	uidance p	princi	oles.			
Project Description								
The city shall adopt a land-use ordinance which prohibits building reside	ntial or commercial structures in	the 100-yea	ar floodpl	ain.				
Natershed HUC# (if known) 120401030201,120401030108,1204010301	0 Emergency Need? No							
	Drainage area (mi ² est.) 19							
Associated FME's 999999	County Liberty, Montgomery,	San Jacinto						
Associated FMS's 999999	Associated FMP's 999999							
Existing 100-Year Flood Risk								
Flood risk type: Riverine? No Coastal? No	Local? Yes	Playa? No			Oth	er? No		
Population at risk 1,037 # of structures 2			facilities ()	Oth			
Farm/Ranch land impacted (acres) 29	Roadway(s) impacted (length)							
Number of low water crossings 1	Historical road closures 1							
LOO-Year Flood Risk Reduction								
Population removed from 100-yr -	# of structures removed fro	om 100-vr						
Critical facilities removed from 100-yr	Farm/Ranch land removed	-	r (acres) -					
Road removed from 100-yr (miles)	Low water crossings remov	Low water crossings removed from 100-yr						
Other benefits	Reduction in # of road clos	ures over 10) years					
mpacts								
Negative impacts? No Negative impacts description	-							
Water supply contributions? No Water supply contribution des	scription -							
Estimated Cost								
	Nature-Based 0	BCR 5						
Recurring costs \$5,514	ssues Relocations							
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Cleveland			Ho	usto	n			

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FMP area

	SAN JACINTO REGIONAL FLOOD PLANNING GROUP					
Title City of Cleveland Flooplain Ordinance Update	REGION 6					
ID# 063000124 Sponsor Cleveland (Municipality)						
RFPG recommend? Yes Reason for Recommendati	on Alignment with RFPG goals and TWDB guidance principles.					
Project Description						
Adopt a land use ordinance which requires any structure within the 100-	wear flood plain to be elevated 2 feet					
Watershed HUC# (if known) 120401030201,120401030108,1204010301	¹⁰ Emergency Need? No					
	Drainage area (mi ² est.) 19					
Associated FME's 999999	County Liberty, Montgomery, San Jacinto					
Associated FMS's 999999	Associated FMP's 999999					
Existing 100-Year Flood Risk						
	Local? Yes Playa? No Other? No					
Flood risk type: Riverine? No Coastal? No Population at risk 1,037 # of structures 2						
Farm/Ranch land impacted (acres) 29	Roadway(s) impacted (length) 27					
Number of low water crossings 1	Historical road closures 1					
-						
100-Year Flood Risk Reduction						
Population removed from 100-yr -	# of structures removed from 100-yr -					
Critical facilities removed from 100-yr	Farm/Ranch land removed from 100-yr (acres) -					
Road removed from 100-yr (miles)	Low water crossings removed from 100-yr -					
Other benefits _	Reduction in # of road closures over 10 years -					
Impacts						
Negative impacts? No Negative impacts description						
Water supply contributions? No Water supply contribution de	scription -					
Estimated Cost						
Project Cost \$109,000 %	6 Nature-Based 0 BCR -					
Recurring costs \$5,514	Issues Permitting					
1725 787	tin					

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		0								SAN	JACINT	O REGIO	NAL FL	OOD F	PLANNIN	GROU	P
Title	Mary's Creek Lower, Middle, and Upper Segment							•. •	R	Ε	G		0	Ν	6	3	
ID#	063000056	Sponsor	Pearland	d (Municip	ality)												
RFPG re	ecommend? <mark>Ye</mark>	S		Reason	for Reco	mmendation	Alignment	with	RFPG goals and	d TWDE	8 guida	nce pri	nciple	s.			

Project Description

A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation.

Associated FME's _ County Brazoria,Galveston	
Associated FMS's - Associated FMP's -	1

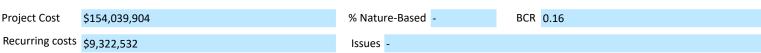
Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal?	No	Local? No	Playa? No	Other? No
Population at risk 10,044	# o	f structures 2,711		Critical facilities	9
Farm/Ranch land impacted (acres) -	-	Roa	dway(s) impacted (le	ngth) 54	
Number of low water crossings	1	Hist	orical road closures -		

100-Year Flood Risk Reduction

Population removed from 100-yr	7614	# of structures removed from 100-yr	2324
Critical facilities removed from 100-y	r 6	Farm/Ranch land removed from 100-yr (acres)	8.499667
Road removed from 100-yr (miles)	34	Low water crossings removed from 100-yr 1	
Other benefits _		Reduction in # of road closures over 10 years	-
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? -	Water supply contribution des	cription -	
Fatimenta d Cart			

Estimated Cost







									SAN JACINTO REGIONAL FLOOD PLANNING GROUP							
Title	City of Bayou Vista Regulations and Permit Requirements Update							•••	R	Ε	G		0	Ν	6	
ID#	063000114	Sponsor	Bayou Vista	(Municipali	ty)											
RFPG recommend? Yes			R	eason for R	ecommendatio	on Alignment	with	RFPG goals an	d TWDE	3 guida	nce pr	inciples				

Project Description

Update regulations and permit requirements to address enhances hazard mitigation strategies.

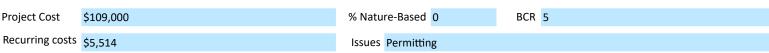
Watershed HUC# (if known) 120402040200	Emergency Need? No
	Drainage area (mi ² est.) 0
Associated FME's 999999	County Galveston
Associated FMS's 999999	Associated FMP's 999999

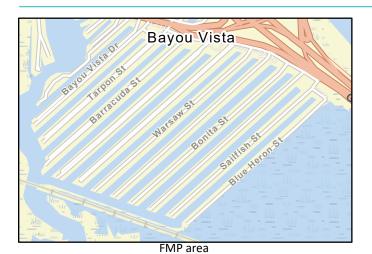
Existing 100-Year Flood Risk

Flood risk type: Rive	erine? No	Coastal?	No	Local? Yes	Playa? No	Other? No
Population at risk 1,476	5	# 0	of structures 1,122		Critical facilities 3	
Farm/Ranch land impac	ted (acres) -		Roa	adway(s) impacted (length)	8	
Number of low water cr	rossings	-	His	torical road closures -		

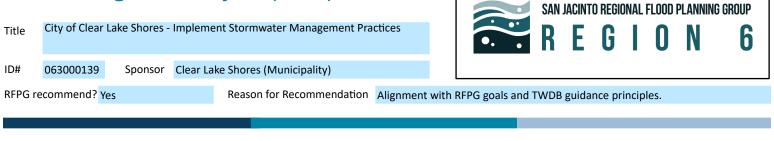
100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)		Low water crossings removed from 100-yr	-
Other benefits		Reduction in # of road closures over 10 years	-
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descript	ion -	
Estimated Cost			









Project Description

The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.

Watershed HUC# (if kno	own) 120402040100	Emergency Need? No
		Drainage area (mi ² est.) 1
Associated FME's 99999	99	County Galveston, Harris
Associated FMS's 99999	99	Associated FMP's 999999

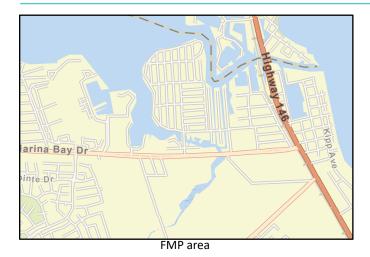
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Loca	I? Yes		Playa? No	Other? No
Population at risk 2,5	597		# o	f structures	633			Critical facilities 4	4
Farm/Ranch land imp	pacted (acr	es) -			Roadway	(s) impacted (leng	gth)	9	
Number of low water crossings 0		Historical road closures 0							

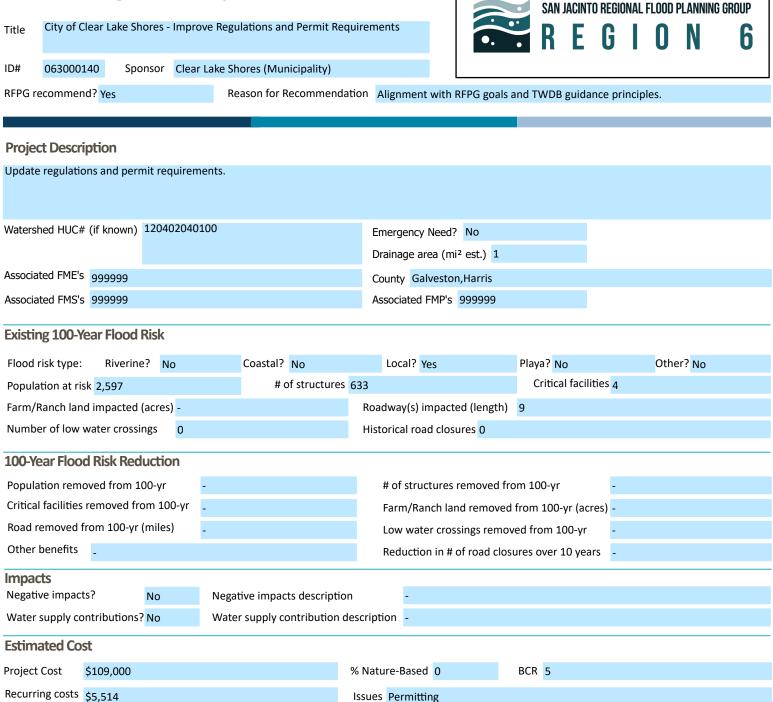
100-Year Flood Risk Reduction

Population removed from 1	00-yr	- # c	f structures removed from 100-yr	-
Critical facilities removed from 100-yr		- Fa	m/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)		- Lo	w water crossings removed from 100-yr	-
Other benefits Environmental		Re	duction in # of road closures over 10 years	-
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contributions? No		Water supply contribution description	-	
Estimated Cost				

Project Cost	\$109,000	% Nature-Based 0	BCR -
Recurring costs	\$5,514	Issues Right-of-Way, Permitting	











Title City of Galveston Land Use Mapping		REGIONAL FLOUD PLANNING GROUP
ID# 063000152 Sponsor Galveston (Municipa	ality)	
RFPG recommend? Yes Reason for	or Recommendation Alignment with RFPG goals and	nd TWDB guidance principles.
Project Description		
Develop proposed land use mapping to allow easier cor	nsideration of hazards.	
Watershed HUC# (if known) 120402040300,120402040		
	Drainage area (mi ² est.) 211	
Associated FME's 999999	County Galveston	
Associated FMS's 999999	Associated FMP's 999999	
Existing 100-Year Flood Risk		
-	al? No Local? Yes	Playa? No Other? No
	# of structures 21,858	Critical facilities 509
Farm/Ranch land impacted (acres) -		409
Number of low water crossings 0	Historical road closures 0	-05
-		
100-Year Flood Risk Reduction		
Population removed from 100-yr -	# of structures removed from	m 100-yr -
Critical facilities removed from 100-yr	Farm/Ranch land removed f	rom 100-yr (acres) -
Road removed from 100-yr (miles)	Low water crossings remove	ed from 100-yr -
Other benefits _	Reduction in # of road closu	res over 10 years -
Impacts		
Negative impacts? No Negative imp	pacts description -	
Water supply contributions? No Water supply	y contribution description -	
Estimated Cost		
Project Cost \$11,000	% Nature-Based 0	BCR -
Recurring costs \$557	Issues -	





FMP area

1100		nuga			ojet		1 1 1 1	' /				SAN	JACINT	O REGIO)NAL FL()OD P	LANNING	GROUP
ītle	City of G	alveston Fr	eeboai	rd Requi	rement	Enfor	cement				••••	R	Ε	G		0	Ν	6
D#	0630001	L53 Spo	onsor	Galvest	ton (Mu	nicipa	lity)											
RFPG re	ecommen	d? Yes			Reas	son fo	r Recon	nmendati	on Alignment	vith RFPG	goals and	I TWDB	8 guida	nce pr	inciples			
Projec	ct Descri	ption																
Conside	er adoptio	on and enfo	rceme	nt of fre	eboard	requir	ement i	nto City's	s Flood Damage	Preventio	n Ordinar	nce.						
Watersł	hed HUC#	(if known)	12040)204030	0,12040)2040	200,120	4020404	⁰ Emergency N	eed? No								
									Drainage are		.) 211							
Associa	ted FME's	999999							County Galv									
Associa	ted FMS's	999999							Associated FI		999							
Existir	ng 100-Y	ear Flood	Risk															
Flood	risk type:	Riverin	e? Ye	s	C	Coasta	I? No		Local? Ye	5	P	laya? <mark>N</mark>	lo		C	Othe	r? No	
Popula	ation at ris	sk 64,300					# of stru	ctures 2	1,858			Critica	al facili	ties 50)9			
		d impacted) -					Roadway(s) im	pacted (le	ength) 40	09						
Numbe	er of low v	water cross	ings	0					Historical road	closures	0							
100-Ye	ear Floo	d Risk Rec	luctio	n														
Popula	ation remo	oved from 1	.00-yr	-					# of struct	ures remo	ved from	100-yr		-				
Critical	l facilities	removed fr	om 10	0-yr _					Farm/Rand	ch land re	moved fro	om 100-	-yr (ac	res) -				
Road r	emoved f	rom 100-yr	(miles) -					Low water	crossings	removed	from 1	.00-yr	-				
Other	benefits	-							Reduction	in # of roa	ad closure	s over	10 yea	rs -				
Impac																		
-	ve impact		No		-			scription	-									
Water	supply co	ntributions	? No		Water s	supply	contrib	ution de	scription -									
Estim	ated Cos	st																
	Cost	\$100,000						%	6 Nature-Based	0	В	CR 5						
Project																		





FMP area

		-						SA	V JACINI	O REGI	ONAL	FLOOD	PLANNIN	G GROUP
Title	37th Street In	nprovement	Project				•.	R	Ε	G		0	Ν	6
ID#	063000311	Sponsor	Galvest	on (Municipality)										
RFPG re	ecommend? <mark>Ye</mark>	S		Reason for Recommendation	Alignment wi	th F	RFPG goals a	nd TWD	B guida	nce pr	incip	les.		

Project Description

The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes.

Watershed HUC# (if known)	Emergency Need? No
	Drainage area (mi ² est.) 212
Associated FME's 999999	County Galveston
Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	Yes	Local? No	Playa? No	Other? No
Population at risk 3,	732		# c	f structures	146	Critical facilities 8	
Farm/Ranch land imp	pacted (acr	es) -			Roadway(s) impacted (length	5	
Number of low wate	r crossings	-			Historical road closures -		

100-Year Flood Risk Reduction

Population removed from 10	0-yr	3741	# of structures removed from 100-yr	146		
Critical facilities removed from	m 100-yr	8	Farm/Ranch land removed from 100-yr (acres)	-		
Road removed from 100-yr (r	niles)	-	Low water crossings removed from 100-yr -			
Other benefits _			Reduction in # of road closures over 10 years	-		
Impacts						
Negative impacts?	No	Negative impacts description	-			
Water supply contributions? No Water supply contribu			ption -			
Estimated Cost						

mated

Project Cost	\$75,000,000	% Nature-Based 0	BCR	0.08
Recurring costs	\$290,000	Issues -		





FMP area



Associated FME's 999999	County Galveston	1	
Associated FMS's 999999	Associated FMP's	999999	

Existing 100-Year Flood Risk

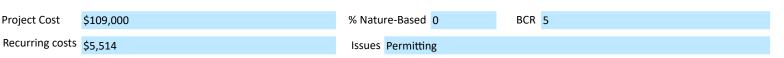
Flood risk type: Riverine? No	Coastal? No	Local? Yes	Playa? No	Other? No
Population at risk 275	# of structures	1,276	Critical facilities 4	
Farm/Ranch land impacted (acres) -		Roadway(s) impacted (length)	14	
Number of low water crossings -		Historical road closures -		

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	
Road removed from 100-yr (miles)	-	ow water crossings removed from 100-yr	-
Other benefits _		Reduction in # of road closures over 10 years	-
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descripti	on -	
Ectimated Cost			

Estimated Cost

Project Cost







Thood Windgation 1			SAN JA	ACINTO I	REGIO	NAL F	LOOD F	PLANNING	GROUP
Title City of Friendswood Ordinance	es and Regulation Update	•.	R	E	G		0	Ν	6
ID# 063000113 Sponsor Frie	endswood (Municipality)								
RFPG recommend? No	Reason for Recommendat	tion Project has been completed							
Project Description									
Adopt higher codes and update ordina	nces and regulation to promote h	nazard mitigation strategies.							
Material 4406# (if tracture) 12040204	0200 120402040100								
Watershed HUC# (if known) 12040204	0200,120402040100	Emergency Need? No							
Associated FME's 999999		Drainage area (mi ² est.) 21							
Associated FMS's 999999		County Galveston, Harris							
Associated FMS S 999999		Associated FMP's 999999							
Existing 100-Year Flood Risk									
Flood risk type: Riverine? No	Coastal? No	Local? Yes	Playa? No				Othe	r? No	
Population at risk 4,640	# of structures	1,680	Critical	facilitie	es 2				
Farm/Ranch land impacted (acres) 18		Roadway(s) impacted (length)	38						
Number of low water crossings 5		Historical road closures 5							
100-Year Flood Risk Reduction									
Population removed from 100-yr	-	# of structures removed fro	om 100-yr		-				
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)							
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr							
Other benefits _		Reduction in # of road close	ures over 10	0 years	-				
Impacts	_								
Negative impacts? No	Negative impacts description								
		corintion							
Water supply contributions? No	Water supply contribution de	-							
	Water supply contribution de	-							
Water supply contributions? No Estimated Cost Project Cost \$109,000		% Nature-Based 0	BCR 5						





FMP area

Title	City of Friend Phase I	swood - Clea	ar Creek li	nline & Offline Detention - Bay Are	ea Blvd.
ID#	063000424	Sponsor	Friends	vood (Municipality)	
RFPG re	commend? <mark>Ye</mark>	2S		Reason for Recommendation	Alignment with RF



FPG goals and TWDB guidance principles.

Project Description

This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.

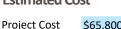
Watershed HUC# (if known)	120402040200,120402040100	Emergency Need? No
		Drainage area (mi ² est.) 21
Associated FME's 999999		County Galveston, Harris
Associated FMS's 999999		Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local? Yes		Playa? No	Other? No
Population at risk 1	6,927		# c	f structures 4,95	2		Critical facilities	189
Farm/Ranch land im	pacted (acr	es) 728		Ro	adway(s) impact	ted (length)	575	
Number of low wate	er crossings	11		Hi	storical road clos	sures 11		

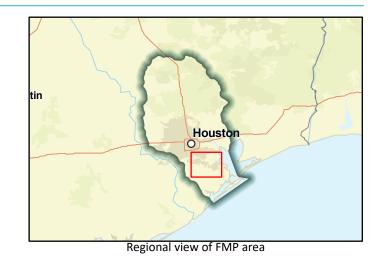
100-Year Flood Risk Reduction

Population removed from 100-y	r -		# of	structures removed from 100-yr	172
Critical facilities removed from 1	00-yr 💈	2	Farm	n/Ranch land removed from 100-yr (acres)	2.84645985
Road removed from 100-yr (mile	es) 7	7	Low	water crossings removed from 100-yr	0
Other benefits _			Redu	uction in # of road closures over 10 years	0
Impacts					
Negative impacts? No		Negative impacts description		-	
Water supply contributions? No		Water supply contribution descri	ption	-	
Estimated Cost					



Project Cost	\$65,800,000	% Nature-Based -	BCR	0.03
Recurring costs	\$10,000	Issues -		





Floc	od Mitig	gati	on F	roje	ect (Fl	VP)								
Title	City of Manvel (City Or	dinance					•.				DNAL FLOO	D PLANNI N	1 6 GRUUP
ID#	063000129	Spons	or Man	vel (Mur	icipality)									
RFPG re	ecommend? <mark>Yes</mark>			Re	ason for Red	commendat	tion Alignment w	vith RFPG goals	and TWD	B guida	ince pr	inciples.		
Projec	t Description													
The city	y shall adopt a la	nd use	ordinanc	e which i	requires any	structure v	vithin the 100-yea	r floodplain to	be elevate	ed 2 fee	et abov	e base flo	ood eleva	ition.
Watersh	ned HUC# (if kno	wn) 1	20402040	200,120	402040400,	120402040	10 Emergency Ne	eed? No						
							Drainage area	(mi ² est.) 27						
Associat	ted FME's 99999	99					County Brazo	oria						
Associat	ted FMS's 99999	99					Associated FM	1P's 999999						
Existin	ng 100-Year Flo	ood Ri	sk											
Flood r	risk type: Riv	erine?	No		Coastal?	0	Local? Yes		Playa?	No		Ot	her? <mark>No</mark>	
Populat	tion at risk 6,741	1			# of	structures	1,250		Critic	al facil	ities <mark>8</mark>			
Farm/R	Ranch land impac	cted (a	cres) 179				Roadway(s) imp	pacted (length)	43					
Numbe	er of low water c	rossing	s O				Historical road	closures 0						
100-Ye	ear Flood Risk	Redu	ction											
Populat	tion removed fro	om 100	-yr	-			# of structu	ires removed fr	om 100-y	r	-			
Critical	facilities remove	ed fron	n 100-yr	-			Farm/Ranc	h land removed	from 100)-yr (ac	res) -			
Road re	emoved from 10	0-yr (m	niles)	-			Low water	crossings remo	ved from	100-yr	-			
Other b	benefits _						Reduction i	in # of road clos	sures over	10 yea	ars -			
-	ts ve impacts? supply contributi		lo	-	tive impacts r supply con									
			-		· · · · / · · · ·		har a g							
	ated Cost	00					Matura Dece I							
Project (. ,						% Nature-Based (BCR 5					
Recurrin	ng costs \$5,211						Issues Permitting	5						
										2				623
				Deiloy	Pd -									5





FMP area

Flo	od N	litigat	tion P	roje	ect (F	MP)					SAN	JACINT	O REGIO	DNAL	FLOOD	PLANNING	GROUP
Title	City of N	1anvel GIS D	atabase Im	proveme	nts				•	•	R	Ε	G		0	Ν	6
ID#	0630001	32 Spo	nsor Man	vel (Mun	icipality)												
RFPG r	ecommen	d? Yes		Re	ason for F	Recomment	dation /	Alignm	ent with RFPG goals	and	TWDB	guida	nce pr	incip	les.		
Droio	et Deceri	ntion															
Improv		-	•	•	•				ire data. Data to be	used	for fu	ture d	rainage	e infr	astruc	ture plan	ning and
Waters	hed HUC#	(if known)	120402040	200,1204	40204040	0,12040204	4010 EI	merger	ncy Need? No								
								-	e area (mi ² est.) 27								
Associa	ated FME's	999999					C	ounty	Brazoria								
Associa	ated FMS's	999999					A	ssociat	ed FMP's 999999								
Existi	ng 100-Y e	ear Flood F	Risk														
Flood	risk type:	Riverine	? No		Coastal?	No		Local	? Yes	Pla	ya? N	0			Othe	er? No	
Popula	ation at ris	k 6,741			# 0	of structure	s 1,250				Critica	l facili	ties <mark>8</mark>				
Farm/	Ranch land	d impacted (acres) 179				Roa	adway(s) impacted (length)	43							
Numb	er of low v	vater crossir	ngs O				Hist	torical	road closures 0								
100-Y	ear Flood	d Risk Red	uction														
Popula	ation remo	oved from 10	00-yr	-				# of st	ructures removed f	rom 1	00-yr		-				
Critica	l facilities	removed fro	om 100-yr	-				Farm/	Ranch land remove	d fron	n 100-	yr (acr	es) -				
Road	removed f	rom 100-yr (miles)	-				Low w	vater crossings remo	ved f	rom 1	00-yr	-				
Other	benefits	-						Reduc	tion in # of road clo	sures	over 1	L0 yea	rs -				
Impa Negati	cts ive impact	s?	No	Negat	ive impac	ts descripti	ion	_									
-		ntributions?				ontribution		tion -									
	ated Cos																
Project		\$21,000					% Nat	ure-Ba	sed 0	BCF	२ -						
-	ing costs						Issues										





ribba wittigation ribject (rivir)		SAN JACINT	O REGIONAL FLOOD	PLANNING GROUP
Title City of Manvel Land-Use Ordinance Adoption	•		GIO	N 6
ID# 063000130 Sponsor Manvel (Municipality)				
RFPG recommend? Yes Reason for Recommenda	tion Alignment with RFPG goals a	nd TWDB guida	nce principles.	
Project Description				
The city shall adopt a land-use ordinance which prohibits building resid	ential or commercial structures in	the 100-year flo	odplain.	
Watershed HUC# (if known) 120402040200,120402040400,120402040	10 Emergency Need? No			
	Drainage area (mi ² est.) 27			
Associated FME's 999999	County Brazoria			
Associated FMS's 999999	Associated FMP's 9999999			
Fuinting 100 Year Flood Diels				
Existing 100-Year Flood Risk				
Flood risk type: Riverine? No Coastal? No	Local? Yes	Playa? No	Oth	er? No
Population at risk 6,741 # of structures	1,250	Critical facili	ties 8	
Farm/Ranch land impacted (acres) 179	Roadway(s) impacted (length)	43		
Number of low water crossings 0	Historical road closures 0			
100-Year Flood Risk Reduction				
Population removed from 100-yr	# of structures removed fro	m 100-yr	-	
Critical facilities removed from 100-yr	Farm/Ranch land removed	from 100-yr (ac	res) -	
Road removed from 100-yr (miles)	Low water crossings remove	ed from 100-yr	-	
Other benefits	Reduction in # of road closu	ires over 10 yea	rs -	
Impacts				
Negative impacts? No Negative impacts description	ı -			
Water supply contributions? No Water supply contribution d	escription -			
Estimated Cost				
Project Cost \$103,000	% Nature-Based 0	BCR 5		
Recurring costs \$5,211	Issues Permitting, Relocations			
		AT I		2

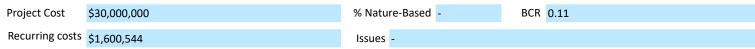


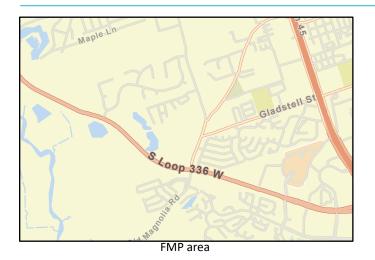


FMP area

						,				•	SAN	JACINT	O REGI	ONAL	FLOOD	PLANNIN	G GROUP
Title	Rivershire Wes	t - Grand L	ake Creek	Watershe	ed				•.	•	R	Ε	G		0	Ν	6
ID#	063000453	Sponsor	Conroe (I	Municipa	lity)												
RFPG re	ecommend? Yes			Reason	for Reco	mmendatior	Alignmen	t with F	RFPG goals	and ⁻	rwdb	guida	nce pr	incip	es.		
Proied	t Description																
This pro	oject is located i posed bridge m	n a residen	•				ng, floodwa	lls, and	upsizing o	culver	ts to ro	oute a	nd cor	ntain	flow. A	dditiona	ally, there

Watershed HUC# (if known)	120401010	0207,120401010401	Emergency Need? No						
			Drainage area (mi ² est.) 2						
Associated FME's			County Montgomery						
Associated FMS's -			Associated FMP's -						
Existing 100-Year Flood	Risk								
Flood risk type: Riverine	? Yes	Coastal? No	Local? Yes	Playa? No	Other? No				
Population at risk 1,890		# of structures 6	590	Critical facilitie	25 10				
Farm/Ranch land impacted	(acres) 2		Roadway(s) impacted (length)	11					
Number of low water crossi	ngs O		Historical road closures 0						
100-Year Flood Risk Red	uction								
Population removed from 10	00-yr	566	# of structures removed fro	om 100-yr	100				
Critical facilities removed fro	om 100-yr	1	Farm/Ranch land removed	from 100-yr (acres	s) 0				
Road removed from 100-yr	(miles)	2	Low water crossings remove	ved from 100-yr	0				
Other benefits			Reduction in # of road clos	ures over 10 years	0				
Impacts		_							
Negative impacts?	No	Negative impacts description	-						
Water supply contributions?	9 -	Water supply contribution de	scription -						
Estimated Cost									
	_								







		0		,	(,				SA	N JACI	NTO RE	GIONA	L FLOOD	PLANNIN	3 GROUP
Title City of Hitcock - Improve Regulations and Permit Requirements										E	G		0	Ν	6
ID#	063000142	Sponsor	Hitchcoc	k (Munic	ipality)										
RFPG re	ecommend? Yes	5	n for Recommendat	t with I	RFPG goals a	nd TWI	OB guio	dance	princi	ples.					
-	t Descriptior														
Improve	e regulations ar	na permit re	quiremen	its to pro	mote hazard mitiga	ion strategies.									

Watershed HUC# (if known) 120402040300,120402040200	Emergency Need? No
	Drainage area (mi ² est.) 91
Associated FME's 999999	County Brazoria, Galveston
Associated FMS's 999999	Associated FMP's 999999

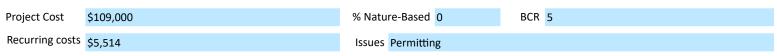
Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No	Local? Yes	Playa? No	Other? No
Population at risk 5	,294		# c	f structures 2,6	55	Critical facilities 1	.2
Farm/Ranch land im	pacted (acr	es) -			Roadway(s) impacted (lengt	ו) 73	
Number of low wate	er crossings	0			Historical road closures 0		

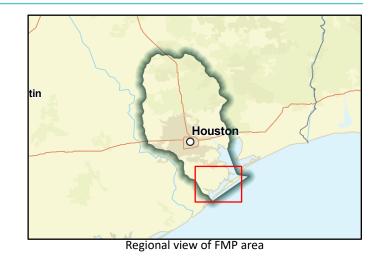
100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits _		Reduction in # of road closures over 10 years	-
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution descript	ion -	

Estimated Cost







Title	City of La Marque - Improve Regulations and Permit Requirements						•.	R	Ε	G	(N	6
ID#	063000146	Sponsor	La Marque	(Municipality)									
RFPG re	ecommend? <mark>Ye</mark>	25		Reason for Recommendation	Alignment v	with F	RFPG goals ar	nd TWDB	guidar	nce prii	nciples.		
D !	t Deservised a												

SAN JACINTO REGIONAL FLOOD PLANNING GROUP

Project Description

Improve regulations and permit requirements to promote hazard mitigation strategies.

Watershed HUC# (if known) 120402040200	Emergency Need? No
	Drainage area (mi ² est.) 14
Associated FME's 999999	County Galveston
Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? No	o Coast	tal? No	Local? Yes	Playa? No	Other? No
Population at risk 1,455		# of structures 829		Critical facilities 8	
Farm/Ranch land impacted (acres)) -	Roa	dway(s) impacted (length)	31	
Number of low water crossings	1	Hist	orical road closures 1		

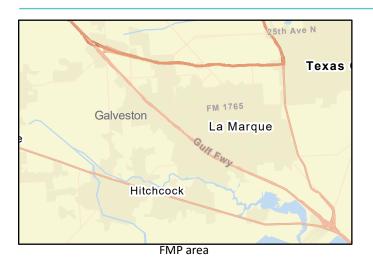
100-Year Flood Risk Reduction

Population removed fro	om 100-yr	- #	f of structures removed from 100-yr	-
Critical facilities removed from 100-yr		- F	arm/Ranch land removed from 100-yr (acres)	-
Road removed from 10	00-yr (miles)	- l	ow water crossings removed from 100-yr	-
Other benefits		F	Reduction in # of road closures over 10 years	-
Impacts				
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contribut	tions? No	Water supply contribution description	on -	

Estimated Cost

Project Cost







Guikk

W-FM-517

FMP area

W-FM-517

Dickinson

High

	-	-				SAN J	ACINT	O REGIO)NAL F	LOOD	PLANNING	GROUP
Title	City of League City Freeboar	d Ordinance	2		•.	R	Ε	G		0	Ν	6
ID#	063000115 Sponsor L	eague City (Municipality)									
RFPG re	ecommend? Yes	Re	ason for Recommendati	on Alignment with	RFPG goals a	nd TWDB	guidaı	nce pr	incipl	es.		
Projec	t Description											
	city ordinance to require 24"	of freeboar	rd in the floodplain.									
Watara	ned HUC# (if known) 120402	040200 120	402040100									
watersi		040200,120	402040100	Emergency Need?								
Associa	ted FME's 999999			Drainage area (mi								
	ted FMS's 999999			County Galveston Associated FMP's								
A330Cla	J J J J J J J J J J J J J J J J J J J			Associated I Mill's	555555							
Existir	ng 100-Year Flood Risk											
Flood	risk type: Riverine? Yes		Coastal? No	Local? Yes		Playa? No)			Othe	r? No	
Popula	tion at risk 13,675		# of structures 5	,251		Critica	l facili	ties 25	5			
Farm/F	Ranch land impacted (acres) 1	.,308		Roadway(s) impact	ed (length)	105						
Numbe	er of low water crossings 2	2		Historical road clos	ures 2							
100-Ye	ear Flood Risk Reduction											
Popula	tion removed from 100-yr	-		# of structures	removed from	m 100-yr		-				
Critical	facilities removed from 100-	yr _		Farm/Ranch la	nd removed f	from 100-y	yr (acr	es) -				
Road r	emoved from 100-yr (miles)	-		Low water cros	sings remove	ed from 10)0-yr	-				
Other	benefits _			Reduction in #	of road closu	res over 1	0 yea	rs -				
Impac	ts											
0	ve impacts? No		tive impacts description	-								
Water	supply contributions? No	Wate	r supply contribution des	scription -								
Estima	ated Cost											
Project			%	Nature-Based 0		BCR 5						
Recurri	ng costs \$5,514		I	ssues Permitting								
Frier	Webster	gue City	Hanna	tin		~		Hou	ston			

Title	Lower Clear Creek Alterr	Creek & Dicki native 3	• • •	RE	G		0			
ID#	063000026	Sponsor	League	City (Municipality)						
RFPG re	ecommend?	/es		Reason for Recommendation	Alignment with	h RFPG goals and ⁻	TWDB guidar	nce pri	ncipl	es.



Project Description

The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening.

Watershed HUC# (if	f known)	120402040200,120402040100	Emergency Need? No
			Drainage area (mi ² est.) 110
Associated FME's 9	99999		County Brazoria, Galveston, Harris
Associated FMS's 9	99999		Associated FMP's 9999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes	s Coastal?	No	Local? No	Playa? No	Other? No
Population at risk 10,260	# c	of structures 3,642		Critical facilities 18	
Farm/Ranch land impacted (acres)	131	Roa	dway(s) impacted (length)	119	
Number of low water crossings	9	Hist	orical road closures 9		

100-Year Flood Risk Reduction

Population removed from 100-yr	3653	# of structures removed from 100-yr93	
Critical facilities removed from 100-yr	8	Farm/Ranch land removed from 100-yr (acres)	16.10678864
Road removed from 100-yr (miles)	26	Low water crossings removed from 100-yr	1
Other benefits _		Reduction in # of road closures over 10 years	1
Impacts			
Negative impacts? No	Negative impacts description	-	
Water supply contributions? No	Water supply contribution des	cription -	

Estimated Cost

Project Cost \$1,150,000,000

% Nature-Based 0

BCR 0.06

Recurring costs \$69,672,864

Issues Right-of-Way, Permitting, Acquisitions, Relocations, Utility Conflicts





Regional view of FMP area

Title	City of Santa F	e - Improve	Regulations ar	nd Permit Re	quirements			•	•						PLANNIN N	G GROUP	
ID#	063000149	Sponsor	Santa Fe (Mu	nicipality)													
RFPG r	ecommend? Yes	5	Re	ason for Rec	ommendation	Alignment	with	RFPG goals	s and [·]	TWDB	guida	nce pri	incipl	es.			

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known) 120402040300,12040	02040200	Emergency Need? No		
		Drainage area (mi ² est.) 17		
Associated FME's 999999		County Galveston		
Associated FMS's 999999		Associated FMP's 999999		
Existing 100-Year Flood Risk				
Flood risk type: Riverine? Yes C	Coastal? No	Local? Yes	Playa? No	Other? No
Population at risk 748	# of structures 400	I	Critical facilities	^s 1
Farm/Ranch land impacted (acres) -	R	loadway(s) impacted (length)	4	
Number of low water crossings 9	Н	listorical road closures 9		
100-Year Flood Risk Reduction				
			100	
Population removed from 100-yr		# of structures removed fr	,	-
Critical facilities removed from 100-yr		Farm/Ranch land removed	from 100-yr (acres) -
Road removed from 100-yr (miles)		Low water crossings remove	ved from 100-yr	-
Other benefits _		Reduction in # of road clos	ures over 10 years	-
Impacts				
Negative impacts? No Negative	ve impacts description	-		
Water supply contributions? No Water	supply contribution descr	iption -		
Estimated Cost				
Project Cost \$109,000	% N	lature-Based 0	BCR 5	
Recurring costs \$5,514	lssu	ues Permitting		



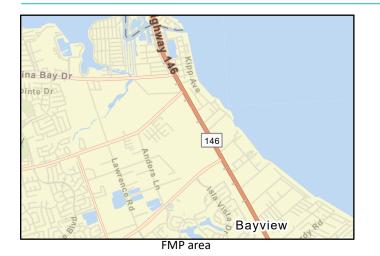


	SAN JACINTO REGIONAL FLOOD PLANNING GROUP
Title City of Kemah - Improve Regulations and Permit Require	ments REGION 6
ID# 063000144 Sponsor Kemah (Municipality)	
RFPG recommend? Yes Reason for Recommend	nendation Alignment with RFPG goals and TWDB guidance principles.
Project Description	
Improve regulations and permit requirements to promote hazard	mitigation strategies.
Watershed HUC# (if known) 120402040200,120402040100	Emergency Need? No
	Drainage area (mi ² est.) 2
Associated FME's 999999	County Galveston,Chambers
Associated FMS's 999999	Associated FMP's 999999
Existing 100-Year Flood Risk	
Flood risk type: Riverine? No Coastal? No	Local? Yes Playa? No Other? No
Population at risk 2,792 # of struct	tures 562 Critical facilities 7
Farm/Ranch land impacted (acres) -	Roadway(s) impacted (length) 12
Number of low water crossings -	Historical road closures -
100-Year Flood Risk Reduction	
Population removed from 100-yr -	# of structures removed from 100-yr -
Critical facilities removed from 100-yr	Farm/Ranch land removed from 100-yr (acres) -
Road removed from 100-yr (miles)	Low water crossings removed from 100-yr -
Other benefits _	Reduction in # of road closures over 10 years -

		neu	action in a road closures over 10 years	-
Impacts				
Negative impacts?	No	Negative impacts description	-	
Water supply contribution	s? No	Water supply contribution description	-	
Estimated Cost				

Estimated Cost

% Nature-Based 0 BCR 5 Project Cost \$109,000 Recurring costs \$5,514 Issues Permitting





Flood Mittgation Project (FIVIP)	SAN JACINTO REGIONAL FLOOD PLANNING GROUP
Title City of Kemah - Update Floodplain Ordinance	$\mathbf{A} \mathbf{B} \mathbf{C} \mathbf{C} \mathbf{C} \mathbf{C} \mathbf{C} \mathbf{C} \mathbf{C} C$
ID# 063000145 Sponsor Kemah (Municipality)	
RFPG recommend? Yes Reason for Recommendat	tion Alignment with RFPG goals and TWDB guidance principles.
Project Description	
Update floodplain ordinance to ensure compliance with minimum stand	lard of NFIP.
Natershed HUC# (if known) 120402040200,120402040100	Emergency Need? No
	Drainage area (mi ² est.) 2
Associated FME's 999999	County Galveston, Chambers
Associated FMS's 999999	Associated FMP's 999999
Existing 100-Year Flood Risk	
Flood risk type: Riverine? No Coastal? No	Local? Yes Playa? No Other? No
Population at risk 2,792 # of structures	562 Critical facilities 7
Farm/Ranch land impacted (acres) -	Roadway(s) impacted (length) 12
Number of low water crossings -	Historical road closures -
100-Year Flood Risk Reduction	
Population removed from 100-yr	# of structures removed from 100-yr -
Critical facilities removed from 100-yr	Farm/Ranch land removed from 100-yr (acres) -
Road removed from 100-yr (miles)	Low water crossings removed from 100-yr -
Other benefits	Reduction in # of road closures over 10 years -
Impacts Negative impacts? No Negative impacts description	
Water supply contributions? No Water supply contribution de	
Estimated Cost	
	% Nature-Based 0 BCR 5
Recurring costs \$5,514	Issues Permitting

Γ





FMP area

										SA	N JACIN	TO REGIO	DNAL F	LOOD	PLANNING	GROUP	
Title	City of Tiki Islar	nd - Improv	e Regulati	ons and I	Permit R	equirements			•.	R	Ε	G		0	Ν	6	
ID#	063000148	Sponsor	Tiki Islan	d (Munic	ipality)												
RFPG r	ecommend? <mark>Yes</mark>			Reason	for Rec	ommendatior	Alignment	: with R	RFPG goals a	and TWD)B guida	nce pr	inciple	es.			

Project Description

Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.

Watershed HUC# (if known) 120402040200	Emergency Need? No
	Drainage area (mi ² est.) 2
Associated FME's 999999	County Galveston
Associated FMS's 999999	Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	No	Coastal?	No		Local? Yes	Playa? No	Other? No
Population at risk 1,6	581		# o	f structures 1	,006		Critical facilities 6	3
Farm/Ranch land imp	pacted (acre	es) -			Road	dway(s) impacted (length)	10	
Number of low wate	r crossings	0			Hist	orical road closures 0		

100-Year Flood Risk Reduction

Population removed from 100-yr		- # c	f structures removed from 100-yr	-
Critical facilities removed from 100-yr		- Fai	m/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)		- Lov	w water crossings removed from 100-yr	-
Other benefits _		Re	duction in # of road closures over 10 years	-
Impacts				
Negative impacts? No		Negative impacts description	-	
Water supply contributions? No		Water supply contribution description	-	

Estimated Cost

Project Cost

