

#### **Project Description**

This FMP includes improving the capacity of the crossing by adding a third 12' x 10' barrel to the RCB. This solution also includes raising S Warren St by 2.5' and increasing the capacity of the crossing.

Watershed HUC# (if known) 120301020401	Emergency Need? No
	Drainage area (mi <sup>2</sup> est.) 0
Associated FME's	County Johnson
Associated FMS's -	Associated FMP's -

### Existing 100-Year Flood Risk

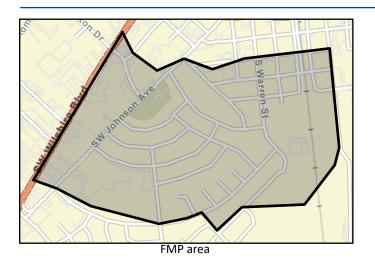
Flood risk type: Riverine? Yes	Coastal? No	Local? No	Playa? No	Other? No
Population at risk 146	# of struc	ctures 60	Critical facilitie	s 4
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted (I	ength) 1	
Number of low water crossings 4		Historical road closures	12	
100-Year Flood Risk Reduction				
Population removed from 100-yr	0	# of structures rem	oved from 100-yr	0
Critical facilities removed from 100-yr	0	Farm/Ranch land re	emoved from 100-yr (acres	) 0
Road removed from 100-yr (miles)	0	Low water crossing	s removed from 100-yr	1
Other benefits Unknown		Reduction in # of ro	oad closures over 10 years	4

Impacts								
Negative impacts?	No	Negative impacts description	N/A					
Water supply contributions?	No	Water supply contribution description	-					

#### **Estimated Cost**

 Project Cost
 \$2,441,000
 % Nature-Based
 0

 Recurring costs
 \_
 Issues
 Unknown







#### **Project Description**

Creek improvements such as gabions and walls to protect utilities, structures, and high-velocity areas from erosion and storm drain improvements such as upsized lines, additional laterals, regraded alleyways, and new curb and gutter along several roads.

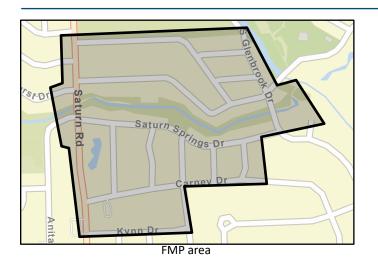
Watershed HUC# (if known) 120301060501	Emergency Need? No
	Drainage area (mi <sup>2</sup> est.) 0
Associated FME's	County Dallas
Associated FMS's -	Associated FMP's -

### Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes		Coastal?	No		Local? No	Playa? No	Other	? No
Population at risk	107			# c	f structures	32		Critical facilities	13	
Farm/Ranch land	impacted (acı	res) 0				Road	dway(s) impacted (length	) 5		
Number of low w	ater crossings	0				Histo	prical road closures 12			
100-Year Flood	Risk Reduct	tion								
Population remov	ed from 100-	yr	18			:	# of structures removed f	rom 100-yr	6	
Critical facilities re	emoved from	100-yr	1				Farm/Ranch land remove	d from 100-yr (acres)	0	
Road removed fro	om 100-yr (mi	les)	1				Low water crossings remo	oved from 100-yr	0	
Other benefits	Unknown						Reduction in # of road clo	osures over 10 years	1	

Impacts							
Negative impacts?	No	Negative impacts description	N/A				
Water supply contributions?	No	Water supply contribution description	-				

#### **Estimated Cost**







#### **Project Description**

Implement and upsize storm drain on Brin St, College St, Rochester St, & Gardner St. Add additional drainage crossing at SH 34. Place inlets at every intersection to capture additional runoff. Upsize railroad crossing and improve adjacent channel.

Watershed HUC# (if known) 120301070105	Emergency Need? No
	Drainage area (mi <sup>2</sup> est.) 1
Associated FME's	County Kaufman
Associated FMS's -	Associated FMP's -

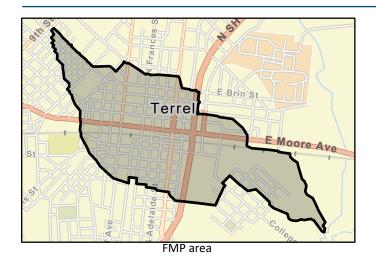
### **Existing 100-Year Flood Risk**

Flood risk type:	Riverine?	Yes	Coastal? N	0	Local? No	Playa? No	Other? No	
Population at risk	651		# of s	structures 67		Critical facilities	4	
Farm/Ranch land i	mpacted (ac	res) 0		Road	dway(s) impacted (length)	3		
Number of low wa	ter crossings	0		Hist	orical road closures 46			
100-Year Flood	00-Year Flood Risk Reduction							
Population remove	ed from 100-	yr	610		# of structures removed fr	om 100-yr	61	
Critical facilities re	moved from	100 yr	~			100 ( )	•	

Critical facilities removed from 100-yr	3 Fa	rm/Ranch land removed from 100-yr (acres) 0						
Road removed from 100-yr (miles)	2 Lo	w water crossings removed from 100-yr 0						
Other benefits Unknown	Re	eduction in # of road closures over 10 years 28						
Impacts	Impacts							
Negative impacts? No	Negative impacts description	N/A						
Water supply contributions? No	Water supply contribution description	ı -						

#### **Estimated Cost**

Project Cost \$27,350,000 % Nature-Based 0 BCR 0 Recurring costs Issues Unknown





Flood Mitigation Project (FMP)						<b>STRINITY</b>
Title	Lois Branch Ma	in Channel	l Improvements			REGIONAL FLOOD PLANNING GROUP
ID#	033000094	Sponsor	Richardson			
RFPG r	ecommend? <mark>Yes</mark>		Reas	son for Recommendation	Action alig	gns with goals and meets TWDB guidance
Proje	ct Description					
Altern	ative proposes ch	iannel geoi	metry modificati	ons for 3,900 LF, drop stru	uctures, culv	vert crossing resizing, and raising one roadway by 1.0 feet.

Watershed HUC# (if known)	120301050104	Emergency Need? No
		Drainage area (mi <sup>2</sup> est.) 0
Associated FME's		County Dallas
Associated FMS's -		Associated FMP's -

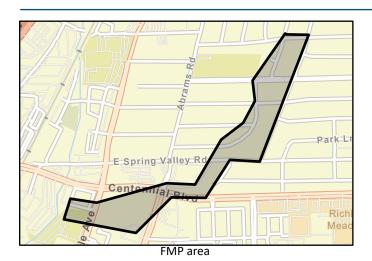
### Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local? No	Playa? No	Other? No
Population at risk 5			# c	of structures 2		Critical facilities	9
Farm/Ranch land im	npacted (acr	es) 0			Roadway(s) impacted (length)	4	
Number of low wate	er crossings	3			Historical road closures 7		
100-Year Flood R	isk Reduct	tion					
Population removed	d from 100-	yr 5	5		# of structures removed fr	om 100-yr	2

Critical facilities r	emoved from 100-yr	8 Fa	rm/Ranch land removed from 100-yr (acres)	0
Road removed fr	om 100-yr (miles)	4 Lo	w water crossings removed from 100-yr	3
Other benefits	Unknown	Re	eduction in # of road closures over 10 years	7
Impacts				
Negative impacts	? No	Negative impacts description	N/A	
Water supply con	tributions? No	Water supply contribution description	n -	

### **Estimated Cost**

Project Cost	\$2,737,000	% Nature-Based 0	BCR 0
Recurring costs	-	Issues Unknown	





FIO		gation	n Proj	Ject (FIVIP)		<b>STRINITY</b>
Title	DMP Phase 1:	Kirven Aven	ue (Project	1)		REGIONAL FLOOD PLANNING GROUP
ID#	033000095	Sponsor	Waxahach	ie		REGIONAL PEOD PEANNING GROUP
RFPG r	ecommend? <mark>Yes</mark>	5		Reason for Recommendation	Action alig	ns with goals and meets TWDB guidance
Proje	ct Description	1				
	0		•	additional parallel system near Upsize Marvin Ave to 8' x 7' R(		ction of Almond St and Sycamore St that extends downstream along

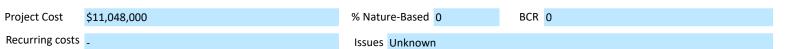
Watershed HUC# (if known)	120301090302	Emergency Need? No	
		Drainage area (mi <sup>2</sup> est.) 0	
Associated FME's		County Ellis	
ssociated FMS's -		Associated FMP's -	

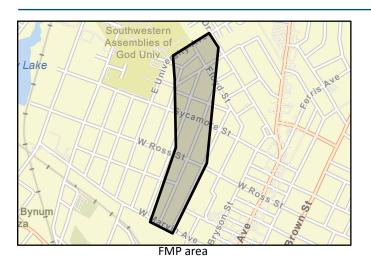
### **Existing 100-Year Flood Risk**

Flood risk type:	Riverine?	Yes	C	oastal?	No		Local? No	Playa? No	Other? No
Population at risk	77			# o	f structures	22		Critical facilities	0
Farm/Ranch land i	mpacted (ac	res) 0				Roa	dway(s) impacted (lei	ngth) 1	
Number of low wa	ter crossings	0				Hist	orical road closures 8	3	
100-Year Flood I	KISK Reduc	πon							
Population remove	ed from 100-	yr	37				# of structures remove	ved from 100-yr	14
Critical facilities re	moved from	100-yr	0				Farm/Ranch land ren	noved from 100-yr (acres)	0
Road removed fro	m 100-yr (mi	iles)	0				Low water crossings	removed from 100-yr	0
Other benefits	Jnknown						Reduction in # of roa	d closures over 10 years	0
Impacts									
Negative impacts?	N	h	Negativ	e imnac	s description	<b>`</b>	N/A		

Estimated Cost			
Water supply contributions?	No	Water supply contribution description	-
Negative impacts?	No	Negative impacts description	N/A

#### Estimated Cost







nood mitigation		EGIO	TDIRITY
Title Estates Drive Bridge Replacem	ient	E	
ID# 033000096 Sponsor Co	pper Canyon	REGION	AL FLOOD PLANNING GROU
RFPG recommend? Yes		ation Action aligns with goals and	meets TWDB guidance
	_		
Project Description			
Replace Estates Drive Bridge over Poin	idexter Creek		
Watershed HUC# (if known) 12030103	30805	Emergency Need? No	
		Drainage area (mi <sup>2</sup> est.) 1	
Associated FME's		County Denton	
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 13	# of structures		Critical facilities 26
Farm/Ranch land impacted (acres) 28		Roadway(s) impacted (length)	3
Number of low water crossings 0		Historical road closures 8	
100-Year Flood Risk Reduction			
Population removed from 100-yr	5	# of structures removed fro	om 100-yr 4
Critical facilities removed from 100-yr		Farm/Ranch land removed	
Road removed from 100-yr (miles)	3	Low water crossings remov	• • • •
Other benefits Unknown	5	Reduction in # of road closu	
Impacts			
Negative impacts? No	Negative impacts descriptio	on N/A	
Water supply contributions? No	Water supply contribution c	description -	
Estimated Cost			
Project Cost \$1,410,000		% Nature-Based 0	BCR 0
Recurring costs _		lssues Unknown	
Parts Part of Contract of Cop	pper Canyon	k Texas	Dallas Lou Austin

FMP area

a Golf

Regional view of FMP area

San Antonio

Pkwy



### **Project Description**

Install 3,200 linear ft of 10'x8', 12'x8', and 16'x8' underground box culvert from the intersection with Phase 2 at Prairie following the PEC 4 Tributary and then traveling down Mulberry to Bernard. Box culvert will contain the 100-yr floodplain.

Watershed HUC# (if known)	120301030902,120301030803,12030103080	Emergency Need? No
		Drainage area (mi <sup>2</sup> est.) 1
Associated FME's		County Denton
Associated FMS's -		Associated FMP's -

### **Existing 100-Year Flood Risk**

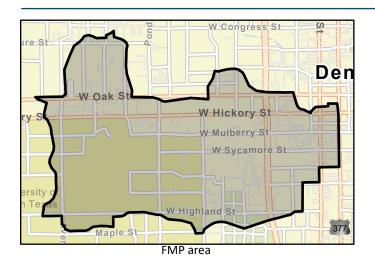
Flood risk type:	Riverine?	Yes	Coastal?	No	Local? No	Playa? No	Other? No
Population at risk	321		# c	of structures 89		Critical facilities	2
Farm/Ranch land ir	npacted (acı	res) 0		Roa	dway(s) impacted (length)	1	
Number of low wat	ter crossings	1		Hist	orical road closures 11		
100-Year Flood R	Risk Reduct	tion					
Population remove	d from 100-	yr 2	44		# of structures removed fro	om 100-yr	81
Critical facilities rer	moved from	100-yr 2			Farm/Ranch land removed	from 100-yr (acres)	0

Road removed fro	om 100-yr (	miles)	1 Lo	w water crossings removed from 100-yr	1
Other benefits	Unknown		Re	duction in # of road closures over 10 years	2
Impacts					
Negative impacts	?	No	Negative impacts description	N/A	
Water supply con	tributions?	No	Water supply contribution description	-	

#### Estimated Cost

**Project Cost** \$15,973,000 % Nature-Based 0 Recurring costs

Issues Unknown



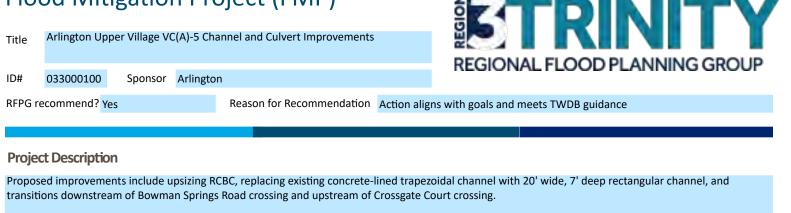


BCR 0

		<b>STRINITY</b>
Title Kingstree Rd Drainage Improvements		
		REGIONAL FLOOD PLANNING GROUP
ID# 033000098 Sponsor Kaufman County	/	
RFPG recommend? Yes Reaso	on for Recommendation Action align	ns with goals and meets TWDB guidance
Project Description		
Proposed bridge installation over creek crossing on improvements.	Kingstree Road to reduce roadway ov	vertopping during storm events. Includes creek channel grading
Watershed HUC# (if known) 120301070109,120301	1070106,12030107011 Emergency N	leed? No
	Drainage area	a (mi² est.) 5
Associated FME's	County Kauf	man
Associated FMS's -	Associated FN	MP's -
Existing 100-Year Flood Risk		
	Dastal? No Local? No	
Population at risk 302	# of structures 212	Critical facilities 0
Farm/Ranch land impacted (acres) 915	• • • •	pacted (length) 1
Number of low water crossings 0	Historical road	closures -
100-Year Flood Risk Reduction		
Population removed from 100-yr 0	# of struct	ures removed from 100-yr 0
Critical facilities removed from 100-yr 0	Farm/Rand	ch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles) 0	Low water	crossings removed from 100-yr 0
Other benefits Unknown	Reduction	in # of road closures over 10 years 0
Impacts		
Negative impacts? No Negative	e impacts description N/A	
Water supply contributions? No Water su	upply contribution description -	
Estimated Cost		
Project Cost \$3,319,000	% Nature-Based	0 BCR 0
Recurring costs	Issues Unknown	1
34 At	oner	k Dallas Texas Austin Houston

ZI.

FMP area



Watershed HUC# (if known)	120301020404	Emergency Need?	No
		Drainage area (mi² e	est.) 0
Associated FME's		County Tarrant	
sociated FMS's -		Associated FMP's -	

**Existing 100-Year Flood Risk** 

Flood risk type: Riverin	? Yes	Coa	astal? No	Local? No	Playa? No	Other? No
Population at risk 43			# of structure	es 21	Critical facilitie	s 0
Farm/Ranch land impacted	(acres) 0			Roadway(s) impac	ted (length) 0	
Number of low water cross	ngs O		Historical road closures 4			
100-Year Flood Risk Red	uction					
Population removed from 2	00-yr	28		# of structures	s removed from 100-yr	13
Critical facilities removed for	om 100-yr	0		Farm/Ranch la	and removed from 100-yr (acres	) 0
Road removed from 100-yr	(miles)	0		Low water cro	ssings removed from 100-yr	0

Other benefits Unkno	own	Rec	luction in # of road closures over 10 years	0
Impacts				
Negative impacts?	No	Negative impacts description	N/A	
Water supply contributi	ons? No	Water supply contribution description		

**Estimated Cost** 

Other benefits

**Project Cost** \$4,504,000 % Nature-Based 0 BCR 0 Recurring costs Issues Unknown







Proposed improvements to the upstream closed storm drain network and the downstream open channel. There are two phases for the storm drain network: trunk line and lateral improvements.

Watershed HUC# (if known)	120301020706	Emergency Need? N	١o
		Drainage area (mi² e	est.) 0
Associated FME's		County Dallas	
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	50		# of structure	s 39	Critical faciliti	es 0	
Farm/Ranch land impacted (acres) 0			Roadway(s) impacted	(length) 1			
Number of low water crossings 0			Historical road closure	es 7			
100-Year Flood Risk Reduction							
Deputation ramava	d from 100		<u> </u>	# of structures rea	moved from 100 vr	20	

Negative impact	s?	No	Negative impacts description	N/A	
Impacts					
Unknown				Reduction in # of road closures over 10 years	1
Other benefits				Reduction in # of road closures over 10 years	1
Road removed from 100-yr (miles)		miles)	1	Low water crossings removed from 100-yr	0
Critical facilities removed from 100-yr		0	Farm/Ranch land removed from 100-yr (acres)	0	
Population removed from 100-yr		60	# of structures removed from 100-yr	39	

Water supply contributions? N	0	Water supply contribution description	-

% Nature-Based 0

#### **Estimated Cost**

Recurring costs

Project Cost \$15,197,000

Issues Unknown





BCR 0

Prairie-Meadow 10

FMP area

Count

B

Flood Mitigation Project (FM	P)	TP	INITY
Title Plantation Ridge Channel Improvements			
ID# 033000107 Sponsor Kaufman County	REGI	ONAL FLOOI	D PLANNING GROUP
RFPG recommend? Yes Reason for Recon	nmendation Action aligns with goals	s and meets TWDB gu	idance
<b>Project Description</b> Proposed 40' natural channel connecting Prairie Meadow and H protect residential lots from offsite flooding.	ielms Trail. Also includes significant i	mprovements to culve	erts and new drainage ditches to
Watershed HUC# (if known) 120301060506,120301070103	Emergency Need? No		
	Drainage area (mi <sup>2</sup> est.)	1	
Associated FME's	County Kaufman		
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 604 # of stru	uctures 196	Critical facili	ties 0
Farm/Ranch land impacted (acres) 113	Roadway(s) impacted (len	gth) 0	
Number of low water crossings 0	Historical road closures -		
100-Year Flood Risk Reduction			
Population removed from 100-yr 1	# of structures remove	ed from 100-yr	4
Critical facilities removed from 100-yr 0	Farm/Ranch land rem	oved from 100-yr (acr	res) 4
Road removed from 100-yr (miles) 0	Low water crossings re	emoved from 100-yr	0
Other benefits Unknown	Reduction in # of road	l closures over 10 year	rs O
Impacts           Negative impacts?         No         Negative impacts destricts destricts destricts           Water supply contributions?         No         Water supply contributions			
Estimated Cost			
Project Cost \$7,966,000	% Nature-Based 0	BCR 1	
Recurring costs _	Issues Unknown		
No state of the st	k		Dallas

Texas

Austin

Regional view of FMP area

San Antonio

Louisia

Houston

Flood Mitigation Pro	oject (FMP)	EGION	TDI	
Title CR-243 Drainage Improvements		<b>2</b>		ANNING GROUP
ID# 033000108 Sponsor Kaufma	n County	REGION	ALFLOODPI	ANNING GROUP
RFPG recommend? Yes	Reason for Recommendation	n Action aligns with goals and	meets TWDB guidance	2
			_	
Project Description				
Proposed culvert upgrades and roadside dr	ainage ditch improvements to i	reduce roadway overtopping al	ong County Road 243.	
Watershed HUC# (if known) 12030107010	2,120301070103,12030107010	Emergency Need? No		
		Drainage area (mi <sup>2</sup> est.) 4		
Associated FME's		County Kaufman		
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 167	# of structures 70		Critical facilities 1	
Farm/Ranch land impacted (acres) 807		Roadway(s) impacted (length)	2	
Number of low water crossings 0		Historical road closures -		
100-Year Flood Risk Reduction				
Population removed from 100-yr 0		# of structures removed fro	om 100-yr 0	
Critical facilities removed from 100-yr 0		Farm/Ranch land removed		
Road removed from 100-yr (miles) 0		Low water crossings remov		
Other benefits Unknown		Reduction in # of road close		
Impacts			•	
	Negative impacts description	N/A		
	Water supply contribution desc			
Estimated Cost				
	0/ 1	Nature Deced		
Project Cost \$4,767,000		Nature-Based 0	BCR 1	
Recurring costs _	lss	sues Unknown		
			~~	
	Club Lake	k Texas	Dalla	S Louisia
FMP area		8	San Antonio Regional view of	Houston FMP area

Flood Mitigation Project (FMP)						<b>STRINITY</b>			
Title Valley View/Ravenhill-Devonshire Drainage Improvements						REGIONAL FLOOD PLANNING GROUP			
ID#	033000109	Sponsor	Kaufma	n County					
RFPG r	ecommend? <mark>Yes</mark>			Reason for Recommendation	Action aligr	s with goals and meets TWDB guidance			
Droio	at Description								

#### Project Description

Proposed culvert upgrades and grading improvements to reduce roadway overtopping along Valley View Road and Ranch Road near Ravenhill Road intersection.

Watershed HUC# (if known) 120301060502,120301060505	Emergency Need? No
	Drainage area (mi <sup>2</sup> est.) 1
Associated FME's	County Kaufman
Associated FMS's -	Associated FMP's -

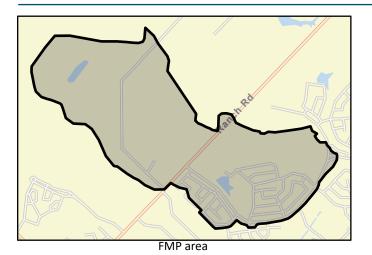
### **Existing 100-Year Flood Risk**

Flood risk type:	Riverine?	Yes	Coastal? No	Local? No	Playa? No	Other? No	
Population at risk 7	70		# of structure	es 20	Critical faciliti	es 0	
Farm/Ranch land in	npacted (acr	res) 154		Roadway(s) impacted (	length) 0		
Number of low water crossings 0				Historical road closures	; -		
LOO-Year Flood Risk Reduction							
Population remove	d from 100-	yr O		# of structures rem	oved from 100-yr	0	

Critical facilities removed from 100-yr		n 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	1		
Road removed from 100-yr (miles)		niles)	0	Low water crossings removed from 100-yr	0		
Other benefits Unknown				Reduction in # of road closures over 10 years	0		
Impacts	Impacts						
Negative impacts?	? N	lo	Negative impacts description	N/A			
Water supply cont	tributions? N	lo	Water supply contribution descr	iption -			

### **Estimated Cost**

Project Cost \$6,691,000 % Nature-Based 0 BCR 1 Recurring costs Issues Unknown







#### **Project Description**

Proposed upgrades to roadway drainage ditches and culverts along CR4116 to reduce structural inundation on both sides of the road. Includes additional collection channels to direct flow around existing structures.

Watershed HUC# (if known) 120301050401	Emergency Need? No		
	Drainage area (mi <sup>2</sup> est.) 1		
Associated FME's	County Kaufman		
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 14	6			# c	f structures	62		Critical facilitie	s 0	
Farm/Ranch land imp	pacted (acr	es) 169				Roa	dway(s) impacted (length	) 0		
Number of low water crossings 0			Historical road closures -							
100-Year Flood Risk Reduction										
Population removed	from 100-y	/r	0				# of structures removed	from 100-yr	0	
Critical facilities removed from 100-yr 0		0	Farm/Ranch land removed from 100-yr (acres) 0							
Road removed from	100-yr (mil	es)	0				Low water crossings rem	oved from 100-yr	0	
Other benefits Un	known						Reduction in # of road cl	osures over 10 years	0	
Impacts										

Negative impacts?	No	Negative impacts description	N/A
Water supply contributions?	No	Water supply contribution description	-

#### **Estimated Cost**

Project Cost	\$8,019,000	% Nature-Based 0	BCR	0
Recurring costs	-	Issues Unknown		

