APPENDIX F: One-Page Summary Reports for Recommended Flood Mitigation Projects and Details (Scope of Work, Components, Benefits, No Negative Impacts Assessment)

Sponsor Sachse

Title Spring Meadows Estates Detention Pond Design



RFPG recommend? Yes

033000007

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.

Watershed HUC# (if known) 120301060406,120301060408,12030106040

Emergency Need? No

Drainage area (mi² 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 1	8		# of structures	9	Critical facilities 0	
Farm/Ranch land im	npacted (acre	es) 0		Roadway(s) impacted (length)	0	
Number of low water	er crossings	0		Historical road closures -		

100-Year Flood Risk Reduction

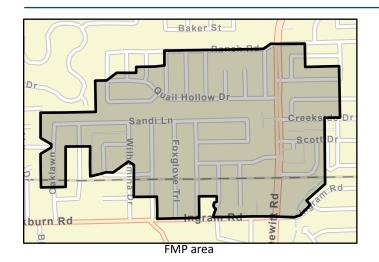
Population removed from 100-yr	18	# of structures removed from 100-yr	9
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits No		Reduction in # of road closures over 10 years	0

Impacts

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

Estimated Cost

Project Cost	\$1,868,000	% Nature-Based	0	BCR	0
Recurring costs	131000	Issues None ar	ticinated		





Regional view of FMP area

West Irving Creek Phases 2, 3, and 4 Title

ID# 033000008 Sponsor Irving STRINIT

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

FIF - 13792; W Irving Creek channel improvements project makes 2.5 miles of concrete channel deeper. Vertical walls allow project to have a similar footprint to minimize impacts. 15 road crossings and several miles of wastewater main need reconstruction

Watershed HUC# (if known) 120301020706

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Dallas

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Riverine? Yes Flood risk type:

Coastal? No

Local? No

Playa? No

Critical facilities 1

Other? No

Population at risk 1,180

of structures 259

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 5

Number of low water crossings

Historical road closures 61

100-Year Flood Risk Reduction

Population removed from 100-yr

1,151

of structures removed from 100-yr

252

Critical facilities removed from 100-yr

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)

Low water crossings removed from 100-yr

Other benefits

5

1

Reduction in # of road closures over 10 years

44

Impacts

Public Recreation, Water Quality

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Negative impacts?

Project Cost \$80,066,000 % Nature-Based 0

BCR 0

Recurring costs 7355000

Issues None anticipated



FMP area



Regional view of FMP area

Arlington VC(A)-1 Drainage and Erosion Improvements Title

ID# 033000016 Sponsor Arlington

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Arlington VC(A)-1 Drainage and Erosion Improvements; unfunded FIF #13646

This project includes improving the drainage in a residential area with an undersized bridge and severe erosion issues.

Watershed HUC# (if known) 120301020506,120301020405

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Tarrant

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	474		# o	f structures 11	18		Crit	ical facilities 0		
Farm/Ranch land i	mpacted (acre	es) 0			Roadway(s) impacted (ler	ngth)	0			
Number of low wa	ter crossings	2			Historical road closures	77				

100-Year Flood Risk Reduction

Population removed from 100-yr	24	# of structures removed from 100-yr
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr 0
Other benefits No		Reduction in # of road closures over 10 years 3

Impacts

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

Estimated Cost

Project Cost	\$2,601,000	% Nature-Based 0	BCR 0
Recurring costs	181000	Issues None anticipated	



FMP area



Regional view of FMP area

Linwood-Lancaster/Foch Title ID# 033000030 Sponsor Fort Worth



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

To decrease the flooding depths near the Norwood/Bledsoe/Crockett intersections, a storm drain alternative was developed. The storm drain system would run along Foch Street and then through Trinity Park to the river.

Watershed HUC# (if known) 120301020105,120301020307

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes

Coastal? No

Local? No

Playa? No

Critical facilities 0

Other? No

Population at risk 4,575

of structures 44

Roadway(s) impacted (length) 1

Farm/Ranch land impacted (acres) 0 Number of low water crossings

Historical road closures 59

100-Year Flood Risk Reduction

Population removed from 100-yr

3,272

of structures removed from 100-yr

10

Critical facilities removed from 100-yr

0

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)

Low water crossings removed from 100-yr

Other benefits

0

Reduction in # of road closures over 10 years 1

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

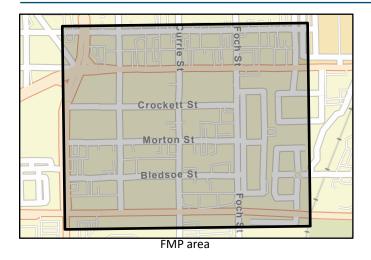
Estimated Cost

Project Cost \$26,528,000 % Nature-Based 0

BCR 0

Recurring costs 783000

Issues None anticipated





Regional view of FMP area

Linwood-University Drive Title

ID# 033000031 Sponsor Fort Worth



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

To mitigate the flooding depths in the Linwood Park area, a storm drain would outfall to the West Fork Trinity River.

Watershed HUC# (if known) 120301020105,120301020307

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Tarrant

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 11,372

of structures 313

Critical facilities 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 5

Number of low water crossings

Historical road closures 81

100-Year Flood Risk Reduction

Population removed from 100-yr

6,882

of structures removed from 100-yr

204

Critical facilities removed from 100-yr

0

3

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)

Low water crossings removed from 100-yr

Reduction in # of road closures over 10 years

Impacts

Negative impacts?

Other benefits

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

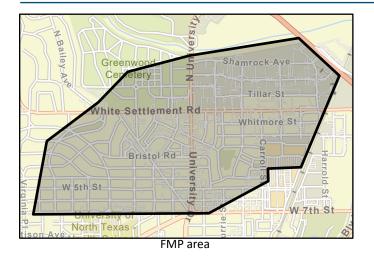
Estimated Cost

Project Cost \$73,277,000 % Nature-Based 0

BCR 0

Recurring costs 3358000

Issues None anticipated





Regional view of FMP area

Zoo Creek Storm Drain Flood Mitigation (Sandage) Title

ID# 033000032

RFPG recommend? Yes

Sponsor Fort Worth

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Construction of Conveyance - Sandage Relief Line Phases 1 & 2 from the 2018 Zoo Creek Storm Drain Flood Mitigation Study Report. Project includes upsizing storm drain lines and installation of a riprap basin.

Watershed HUC# (if known) 120301020502,120301020307

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Riverine? Yes Flood risk type:

Coastal? No

Local? Yes

Playa? No

Other? No

Population at risk 4,008

of structures 574

Critical facilities 92

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 72

100-Year Flood Risk Reduction

Population removed from 100-yr

391

of structures removed from 100-yr

153

Critical facilities removed from 100-yr

37

Farm/Ranch land removed from 100-yr (acres) 0

Low water crossings removed from 100-yr

Road removed from 100-yr (miles) 17

Unknown

Reduction in # of road closures over 10 years 30

Impacts

Negative impacts?

Other benefits

Yes

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost \$35,353,000 % Nature-Based 0

BCR 0

Recurring costs _



FMP area



Sunnyvale Urban Flooding Reduction Improvements - Area 1 Title

ID# 033000033

Sponsor Sunnyvale

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

STRINIT



Proposed alternatives to reduce roadway overtopping's during the 100-year ultimate storm such as culvert and ditch improvements.

Watershed HUC# (if known) 120301060501,120301060503

Emergency Need? No

Drainage area (mi² 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

Critical facilities 1

Other? No

Population at risk 56

of structures 14

Roadway(s) impacted (length)

Farm/Ranch land impacted (acres) 0 Number of low water crossings

Historical road closures 7

100-Year Flood Risk Reduction

Population removed from 100-yr

56

of structures removed from 100-yr

14

Critical facilities removed from 100-yr

1

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr

Reduction in # of road closures over 10 years 7

Impacts

Negative impacts?

Other benefits

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost

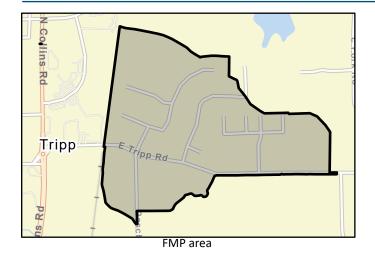
\$4,560,000

% Nature-Based 0

BCR 0

Recurring costs 310000

Issues None anticipated





Regional view of FMP area

Sunnyvale Urban Flooding Reduction Improvements - Area 2 Title

ID# 033000036

Sponsor Sunnyvale

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

STRINIT



Project Description

Proposed alternatives to reduce roadway overtopping's during the 100-year ultimate storm such as culvert, ditch and storm drain improvements.

Watershed HUC# (if known) 120301060503

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Dallas

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood ris	sk type:
-----------	----------

Riverine? Yes

Coastal? No

Local? No

Playa? No

Critical facilities 1

Other? No

Population at risk 113

of structures 35

Roadway(s) impacted (length)

Farm/Ranch land impacted (acres) 0 Number of low water crossings

Historical road closures 8

100-Year Flood Risk Reduction

Population removed from 100-yr

113

of structures removed from 100-yr

32

Critical facilities removed from 100-yr

1

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles) 1

Low water crossings removed from 100-yr

Other benefits

Reduction in # of road closures over 10 years

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost

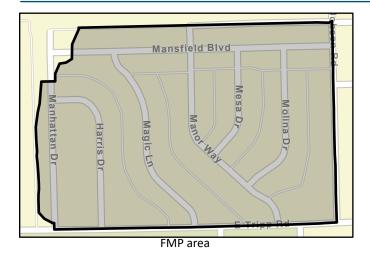
\$5,701,000

% Nature-Based 0

BCR 0

Recurring costs 388000

Issues None anticipated





Regional view of FMP area

Sponsor Richardson

Project 1 - Point North Parkway System Title



RFPG recommend? Yes

033000037

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Prairie Creek; ≈450' channel improvements to lower HGL; proposed RCBC storm sewer main crossing Point N PKWY; new wingwalls; and added 100 LF inlet capacity to reduce sedimentation at Synergy Park Boulevard culverts and reduce flood depths at Point N PKWY

Watershed HUC# (if known) 120301060407 Emergency Need? No Drainage area (mi² est.) 0

Associated FME's County Collin

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine? Y	es	Coastal?	No		Local? Yes		Playa?	No	Other?	No
Population at risk 19	Ð		# c	f structures 4	4			Crit	ical facilities 0		
Farm/Ranch land im	pacted (acres	s) 0			Road	dway(s) impacted	d (length)	1			
Number of low wate	er crossings	0			Histo	orical road closu	res 2				

100-Year Flood Risk Reduction

Population removed from 100-yr	17	# of structures removed from 100-yr
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr 0
Other benefits Unknown		Reduction in # of road closures over 10 years 2

Impacts

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

Estimated Cost

Project Cost \$965,000 % Nature-Based 0 BCR 0 Recurring costs _ Issues Unknown







Regional view of FMP area

Project 4 - Big Horn Lane/Canyon Creek Drive system Title

ID# 033000038 Sponsor Richardson

Reason for Recommendation Action aligns with goals and meets TWDB guidance RFPG recommend? Yes



Project Description

Prairie Creek; Replace existing storm sewer main between Big Horn Lane & Canyon Creek Drive with larger 36" & 48" storm sewer; added 70 LF inlet capacity to reduce the flooding along Big Horn Lane, Canyon Creek Drive & Canyon Creek Country Club property

Watershed HUC# (if known) 120301060407 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Collin Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Flood risk type: Riverine? No	Coasta	l? No	Local? Yes	Playa? No	Other? No
Population at risk 37		# of structures 10		Critical facilities 0	
Farm/Ranch land impacted (acres)	0	Roa	adway(s) impacted (leng	th) 0	
Number of low water crossings	0	His	torical road closures 3		

100-Year Flood Risk Reduction

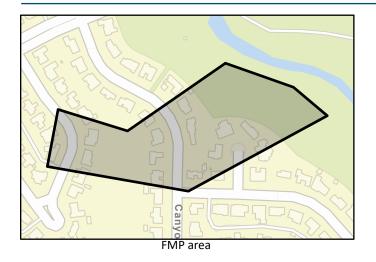
Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0 Other benefits Unknown Reduction in # of road closures over 10 years 3	Population removed from 100-yr	8	# of structures removed from 100-yr 3
2011 In Co.	Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Other benefits Unknown Reduction in # of road closures over 10 years 3	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 3

Impacts

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

Estimated Cost

Project Cost	\$622,000	% Nature-Based 0	BCR 0
Recurring cost	s ₋	Issues Unknown	





Project 6 - Valley Forge Street System Title ID# 033000039 Sponsor Richardson



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Prairie Creek; Parallel culvert crossing KCS Railroad; concrete flume from cul-de-sac to alley parallel to KCS Railroad; replaces existing storm sewer main with 36" & 60" storm sewer; new wingwalls & added 50 LF inlet capacity to keep floodwater in ROW

Watershed HUC# (if known) 120301060407 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Collin, Dallas Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Flood risk type: Riverine	? No	Coastal? No	Local? Yes	Playa? No	Other? No
Population at risk 29		# of structures	11	Critical facilities 0	
Farm/Ranch land impacted	acres) 0		Roadway(s) impacted (length)	0	
Number of low water crossi	ngs 0		Historical road closures 3		

100-Year Flood Risk Reduction

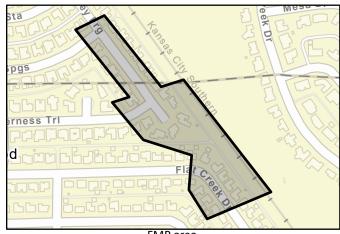
Population removed from 100-yr	18	# of structures removed from 100-yr 5
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr 0
Other benefits Unknown		Reduction in # of road closures over 10 years 3

Impacts

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

Estimated Cost

Project Cost \$755,000 % Nature-Based 0 BCR 0 Recurring costs _ Issues Unknown







Regional view of FMP area

Sponsor Richardson

Project 8 - Lower Canyon Creek Drive System Title



RFPG recommend? Yes

033000040

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Prairie Creek; Replaces the existing storm sewer with larger 24", 36" and 42" storm sewer along Lower Canyon Creek Drive; new 42" storm sewer; and additional 70 LF inlet capacity to keep floodwaters within the road ROW

Watershed HUC# (if known) 120301060407

Emergency Need? No

Drainage area (mi² 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? Yes		Playa?	No	Other? No	
Population at risk	40		# o	f structures	14		Crit	ical facilities 0		
Farm/Ranch land i	mpacted (acre	es) 0			Roadway(s) impacted (l	length)	1			
Number of low wa	tar crossings	0			Historical road closures	- 1				

100-Year Flood Risk Reduction

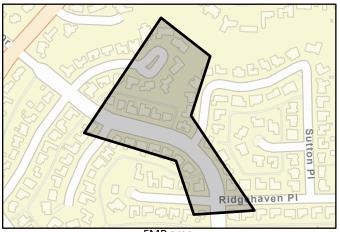
Population removed from 100-yr	30	# of structures removed from 100-yr 9
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr 0
Other benefits Unknown		Reduction in # of road closures over 10 years 1

Impacts

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

Estimated Cost

Project Cost	\$1,502,000	% Nature-l	Based 0	BCR	0
Recurring costs	s -	Issues Un	nknown		



FMP area



Regional view of FMP area

Sponsor Richardson

Project 9 - Grandview Drive System Title



RFPG recommend? Yes

033000041

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Prairie Creek; Replaces the existing storm sewer with larger storm sewer along Grandview Drive; new wingwalls; and additional 100 LF inlet capacity to keep floodwaters within the road ROW

Watershed HUC# (if known) 120301060407

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Dallas

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Riverine? Yes Flood risk type:

Coastal? No

Local? Yes

Playa? No

Critical facilities 0

Other? No

Population at risk 34

of structures 10

Roadway(s) impacted (length)

Farm/Ranch land impacted (acres) 0 Number of low water crossings

Historical road closures 2

100-Year Flood Risk Reduction

Population removed from 100-yr

12

of structures removed from 100-yr

5

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 removed from 100-yr

Other benefits

Unknown

Reduction in # of road closures over 10 years 2

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

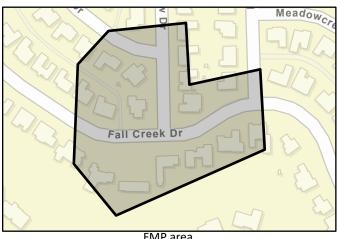
Water supply contribution description -

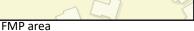
Estimated Cost

Project Cost \$766,000 % Nature-Based 0

BCR 0

Recurring costs _







Regional view of FMP area

Project 16 - Valley Glen drive System Title

ID# 033000042

Sponsor Richardson

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Prairie Creek; Parallel storm sewer along the existing storm sewer alignment and extends the existing system further downstream; new storm sewer; and additional 230 LF inlet capacity to reduce the flooding along Valley Glen Drive and Pleasant Valley Lane

Watershed HUC# (if known) 120301060407

Riverine? No

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Collin

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood	risk	type:

Coastal? No

Local? Yes

Playa? No

Other? No

Population at risk 29

of structures 9

Critical facilities 0

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 2

100-Year Flood Risk Reduction

Population removed from 100-yr

14

of structures removed from 100-yr

2

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 removed from 100-yr

Other benefits Unknown Reduction in # of road closures over 10 years 2

BCR 0

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

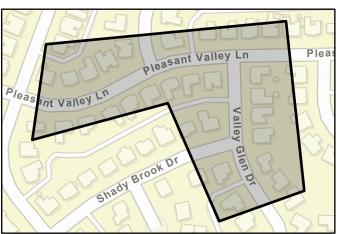
Water supply contributions? No

Water supply contribution description -

Estimated Cost

Recurring costs _

Project Cost \$1,513,000 % Nature-Based 0



FMP area



Regional view of FMP area

Project 19 - Pebblebrook Circle System Title ID# 033000043 Sponsor Richardson



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Prairie Creek; Replaces the existing storm sewer with larger 36" storm sewer near Pebblebrook Circle; new 30" storm sewer; and additional 30 LF inlet capacity to keep floodwaters within the road ROW

Watershed HUC# (if known) 120301060407 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Dallas

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Flood risk type: Rivering	e? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Population at risk 3		# of structures	3	Critical facilities 0	
Farm/Ranch land impacted	(acres) 0		Roadway(s) impacted (length)	0	
Number of low water cross	ngs 0		Historical road closures 2		

100-Year Flood Risk Reduction

Population removed from 100-yr 3 # of structures removed from 100-yr 1 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benefits Unknown Reduction in # of road closures over 10 years 2

Impacts

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

Estimated Cost

Project Cost \$511,000 % Nature-Based 0 BCR 0 Recurring costs _ Issues Unknown





Sponsor Richardson

Project 2 - Campbell Road System Title



RFPG recommend? Yes

033000044

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Cottonwood Creek; Replaces the existing storm sewer main with a larger 30" storm sewer; includes the addition of a 36" and 42" parallel storm sewer; and additional 50 LF inlet capacity near Campbell Road to keep floodwaters within the road ROW

Watershed HUC# (if known) 120301060407,120301050104 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Dallas

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? Yes Riverine? No Coastal? No Playa? No Other? No Flood risk type: # of structures 10 Critical facilities 0 Population at risk 85 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) Number of low water crossings Historical road closures 1

100-Year Flood Risk Reduction

Population removed from 100-yr 60 # of structures removed from 100-yr 6 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 removed from 100-yr Other benefits Reduction in # of road closures over 10 years 1 Unknown

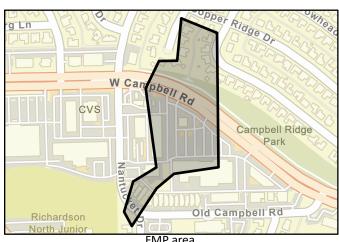
Impacts

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

Estimated Cost

Project Cost \$1,349,000 % Nature-Based 0 BCR 0

Recurring costs _ Issues Unknown



FMP area



Regional view of FMP area

Project 6 - Wisteria Way Circle at Timberlake Circle Title

ID# 033000045

Sponsor Richardson

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Cottonwood Creek; Replace portion of storm sewer system with larger 30" RCP storm sewer & propose RCBC underground system connecting to stub out adjacent to Pinehurst Drive and Wisteria Way; & added 120 LF inlet capacity keeps floodwaters within road ROW

Watershed HUC# (if known) 120301050104

Emergency Need? No

Drainage area (mi² 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? Yes

Playa? No

Critical facilities 0

Other? No

Population at risk 66

of structures 30

Roadway(s) impacted (length)

Farm/Ranch land impacted (acres) 0 Number of low water crossings

Historical road closures 1

100-Year Flood Risk Reduction

Population removed from 100-yr

16

1

of structures removed from 100-yr

10

Critical facilities removed from 100-yr

O

Farm/Ranch land removed from 100-yr (acres) 0

Low water crossings removed from 100-yr

Road removed from 100-yr (miles)

Other benefits

Unknown

Reduction in # of road closures over 10 years 1

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

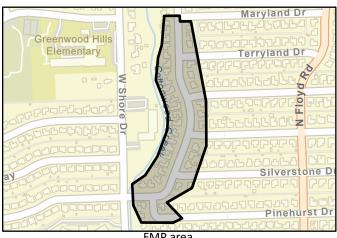
Water supply contribution description -

Estimated Cost

Project Cost \$2,015,000 % Nature-Based 0

BCR 0

Recurring costs _



FMP area



Regional view of FMP area

Sponsor Balch Springs

Hickory Creek Flood Protection - Alternative 1 Title



RFPG recommend? Yes

033000062

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Associated FME's

Hickory Creek Drainage Improvements project 2022 update based on input from the City of Balch Springs. Alternative 1 involves storm water detention pond facilities & the removal of Stein Road at river station 54955 on Hickory Creek was included

Watershed HUC# (if known) 120301050204 Emergency Need? No Drainage area (mi² est.) 1

County Dallas

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 124 Critical facilities 103 Population at risk 462

Farm/Ranch land impacted (acres) 33 Roadway(s) impacted (length)

Number of low water crossings Historical road closures 53

100-Year Flood Risk Reduction

Population removed from 100-yr 90 # of structures removed from 100-yr 31

Critical facilities removed from 100-yr 8 Farm/Ranch land removed from 100-yr (acres) 7

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years Unknown 46

Impacts

Negative impacts? Nο Negative impacts description N/A

Water supply contribution description -Water supply contributions? No

Estimated Cost

Project Cost \$27,272,000 % Nature-Based 0 BCR 0

Recurring costs _ Issues Unknown



FMP area



Regional view of FMP area

Hickory Creek Flood Protection - Alternative 2 Title

Sponsor Balch Springs



RFPG recommend? Yes

033000063

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Hickory Creek Drainage Improvements project 2022 update has input from the City of Balch Springs. Alternative 2 involves channel modifications on Hickory Creek & detention, & the removal of Stein Road at river station 54955 on Hickory Creek was included

Watershed HUC# (if known) 120301050204

Emergency Need? No

Drainage area (mi² est.) 1

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	462		# (of structures 124			Crit	ical facilities	103	
- /p		١ ٥٥					_			

Farm/Ranch land impacted (acres) 33

Roadway(s) impacted (length) 4

Number of low water crossings

Historical road closures 53

100-Year Flood Risk Reduction

Population removed from 100-yr	90	# of structures removed from 100-yr	30
Critical facilities removed from 100-yr	8	Farm/Ranch land removed from 100-yr (acres)	7
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits Unknown		Reduction in # of road closures over 10 years	46

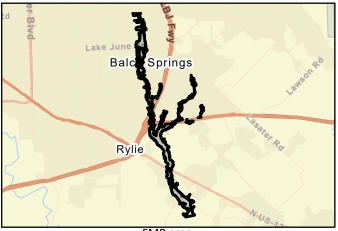
Impacts

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

Estimated Cost

Project Cost \$30,531,000 % Nature-Based 0 BCR 0

Recurring costs _ Issues Unknown



FMP area



Regional view of FMP area

Sponsor Balch Springs

Hickory Creek Flood Protection - Alternative 3 Title



RFPG recommend? Yes

033000064

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Hickory Creek Drainage Improvements project 2022 update based on input from the City of Balch Springs. Alternative 3 involves levee protection with channel modifications & the removal of Stein Road at river station 54955 on Hickory Creek was included

Watershed HUC# (if known) 120301050204 Emergency Need? No Drainage area (mi² est.) 1

Associated FME's County Dallas

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 124 Critical facilities 103 Population at risk 462 Farm/Ranch land impacted (acres) 33 Roadway(s) impacted (length) Number of low water crossings Historical road closures 53

100-Year Flood Risk Reduction

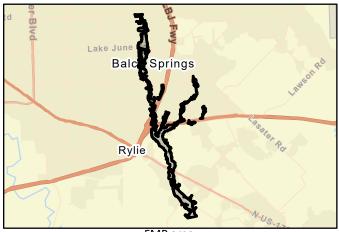
Population removed from 100-yr 152 # of structures removed from 100-yr 49 Critical facilities removed from 100-yr 8 Farm/Ranch land removed from 100-yr (acres) 7 Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Unknown 46

Impacts

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

Estimated Cost

Project Cost \$30,671,000 % Nature-Based 1 BCR 0 Recurring costs _ Issues Unknown







Town Creek [Tarrant Ave, Warren St, Johnson Ave, Newton Dr] Safety Title

Improvement

ID# 033000065 Sponsor Burleson

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Implement safety improvements including high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures at four crossings along Town Creek in Burleson: Tarrant Ave, Warren St, Johnson Ave, and Newton Dr.

Watershed HUC# (if known) 120301020401 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Johnson

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 52 Critical facilities 4 Population at risk 148 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 1 Number of low water crossings Historical road closures 11

100-Year Flood Risk Reduction

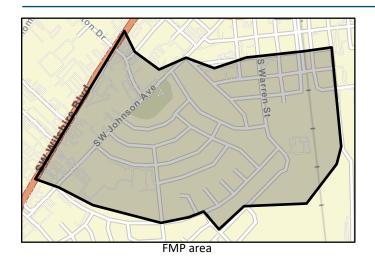
Population removed from 100-yr 0 # of structures removed from 100-yr 0 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Unknown

Impacts

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

Estimated Cost

Project Cost \$367,000 % Nature-Based 0 BCR 0 Recurring costs _ Issues Unknown





Regional view of FMP area

Sponsor Westworth Village

Ansley Dr. Storm Sewer System Improvement



RFPG recommend? Yes

033000067

Title

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Replace 1400 LF concrete drainage channel with storm sewer, 6 storm sewer inlets to replace curb cuts drain into existing channel, upgrading existing junction box for storm sewer, & pavement above proposed storm sewer between Burton Hill Road & Oaks Lane

Watershed HUC# (if known) 120301020105

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Historical road closures 3

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	No	Local? No	Playa? No	Other? No
Population at risk	589		# 0	of structures 2		Critical facilities 1	
Farm/Ranch land ir	npacted (ac	res) 0		R	oadway(s) impacted (length)	0	

100-Year Flood Risk Reduction

Number of low water crossings

Population removed from 100-yr	589	# of structures removed from 100-yr	2
Critical facilities removed from 100-yr	1	Farm/Ranch 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 impacts description

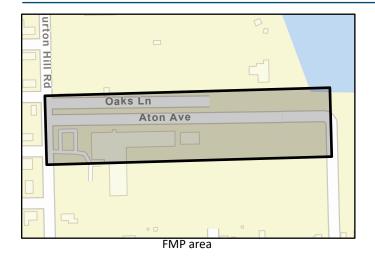
N/A

Water supply contributions? No Water supply contribution description -

Estimated Cost

Project Cost \$4,225,000 % Nature-Based 0 BCR 0

Recurring costs - Issues Unknown





Main A pump station and conveyance improvements

ID# 033000068

Sponsor Liberty County Water Control Improvement District

RFPG recommend? Yes



Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Title

The proposed improvements include the rehabilitation and upsizing of Pump Station A, upsizing the North Travis Street Culverts to 5-8'x8' box culverts, and channel improvements along the Main A channel.

Watershed HUC# (if known) 120302030301

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Liberty

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 2,008

of structures 217

Critical facilities 2

Farm/Ranch land impacted (acres) 40 Number of low water crossings

Roadway(s) impacted (length) 5

Historical road closures 34

100-Year Flood Risk Reduction

Population removed from 100-yr

1,850

of structures removed from 100-yr

167

Critical facilities removed from 100-yr

1

Farm/Ranch land removed from 100-yr (acres) 9

Road removed from 100-yr (miles) 4

Low water crossings removed from 100-yr

Other benefits Unknown

Reduction in # of road closures over 10 years 20

Impacts

Negative impacts?

No

Negative impacts description

N/A

Water supply contributions? No

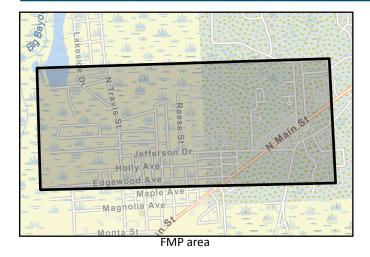
Water supply contribution description -

Estimated Cost

Project Cost \$7,639,000 % Nature-Based 0

BCR 4

Recurring costs





Highland Ave. Drainage Improvements 033000069 Sponsor Waxahachie



RFPG recommend? Yes

Title

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Upsize Highland SD system from Sycamore St through W Marvin Ave to 10'x4' RCB & add 36" RCP at UPRR culvert. Acquire parcels along creek south of BNSF RR to detain 64,000 CY. Install drop inlet at Harding St. & W. Main St., & add 24" RCP along Highland

Watershed HUC# (if known) 120301090302 Emergency Need? No Drainage area (mi² est.) 1

Associated FME's County Ellis

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 127 Critical facilities 0 Population at risk 830 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) 1 Number of low water crossings Historical road closures 25

100-Year Flood Risk Reduction

Population removed from 100-yr 33 # of structures removed from 100-yr 20 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 removed from 100-yr Other benefits Reduction in # of road closures over 10 years Unknown

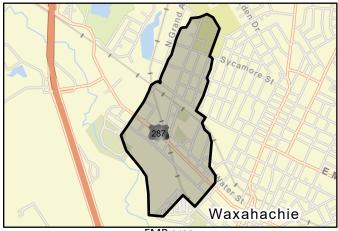
Impacts

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

Estimated Cost

Project Cost \$9,365,000 % Nature-Based 0 BCR 2

Recurring costs _ Issues Unknown



FMP area



Fairgrounds Detention Option 3 Title

ID# 033000070 Sponsor Denton

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Detention upstream of Denton Center Shopping Mall along North Pecan Creek

Watershed HUC# (if known) 120301030902,120301030803,12030103080

Emergency Need? No

Drainage area (mi² est.) 5

Associated FME's

County Denton

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Riverine? Yes Flood risk type:

Coastal? No

Local? No

Playa? No

Other? No

Population at risk 6,458

of structures 469

Critical facilities 40

Farm/Ranch land impacted (acres) 22

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 30

100-Year Flood Risk Reduction

Population removed from 100-yr

Road removed from 100-yr (miles)

1,228

of structures removed from 100-yr

114

Critical facilities removed from 100-yr

5

3

Farm/Ranch land removed from 100-yr (acres) 2

Low water crossings removed from 100-yr

Other benefits Unknown Reduction in # of road closures over 10 years 5

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost \$24,234,000 % Nature-Based 0

BCR 0

Recurring costs _





Regional view of FMP area

Sponsor Weatherford

Title Design/Construction for Holland Lake Spillway



RFPG recommend? Yes

033000071

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Upgrade dam to be able to pass the 25% PMF and meet TCEQ dam safety requirements. Add an emergency spillway through the right abutment of the dam along with raising the top of dam elevation.

Watershed HUC# (if known) 120301020206

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Parker

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type: Riv	iverine? Yes	5	Coastal?	No	Local? No		Playa? No	Other? No
Population at risk 2			# o	f structures	1		Critical facilities ()
Farm/Ranch land impa	acted (acres)	0			Roadway(s) imp	acted (length)	0	
Number of low water of	crossings	0			Historical road o	closures 0		

100-Year Flood Risk Reduction

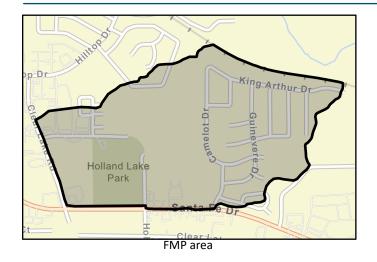
Population removed from 100-yr	2	# of structures removed from 100-yr	1
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	0
Other benefits Unknown		Reduction in # of road closures over 10 years	0

Impacts

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

Estimated Cost

Project Cost	\$3,860,000	% Nature-Based 0	BCR	0
Recurring cost	s ₋	Issues Unknown		





Elkins Lake Dam Rehabilitation Title 033000072 Sponsor Dalworthington Gardens



RFPG recommend? Yes

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Associated FMP's -

Project Description

Associated FMS's -

Modify dam to pass required 75% PMF and meet TCEQ criteria. Addition of two 60-in diameter culverts to the existing spillway and widening of vegetated approach channel. Raise the crest of the dam to 569.5 ft.

Watershed HUC# (if known) 120301020405 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Tarrant

Existing 100-Year Flood Risk

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

100-Year Flood Risk Reduction

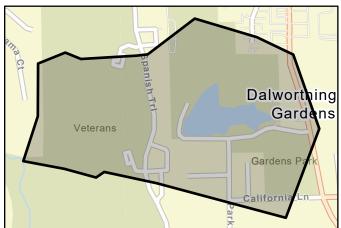
Population removed from 100-yr 0 # of structures removed from 100-yr 0 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Unknown

Impacts

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

Estimated Cost

Project Cost \$1,705,000 % Nature-Based 0 BCR 0 Recurring costs Issues Unknown







Regional view of FMP area

Bonneville/Greenbrook Drainage Improvement Title

ID# 033000073 Sponsor Arlington

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Other? No

Project Description

Proposed improvements include realignment of storm drain, upsizing of existing trunk lines, and addition of curb inlets through Greenbrook Dr and Huntwick. Includes construction of Downstream Channel Improvement Option 1 to offset negative impacts

Watershed HUC# (if known) 120301030902,120301030803,12030103080

Emergency Need? No

Drainage area (mi² est.) 5

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
Population at risk	44		# c	of structures	14			Crit	ical f

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 0

Number of low water crossings

Historical road closures 4

100-Year Flood Risk Reduction

Unknown

Population removed from 100-yr 37 Critical facilities removed from 100-yr O Road removed from 100-yr (miles) 0

Farm/Ranch land removed from 100-yr (acres) 0

of structures removed from 100-yr

Low water crossings removed from 100-yr

Reduction in # of road closures over 10 years 3

Impacts

Other benefits

Negative impacts?

Yes

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost \$4,939,000 % Nature-Based 0

BCR 0

Critical facilities 0

12

Recurring costs



FMP area



Regional view of FMP area

Lebow Flood Mitigation Project Title ID# 033000074 Sponsor Fort Worth



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Improve storm water conveyance while minimizing impact on existing residential structures, maintain a 'no-rise' condition in the existing 100-yr WSE. The project includes: Section 404 permit, phased implementation, and utility relocations.

Watershed HUC# (if known) 120301020501

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Riverine? Yes Flood risk type:

Coastal? No

Local? No

Playa? No

Other? No

Population at risk 1,246

of structures 321

Critical facilities 9

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 55

100-Year Flood Risk Reduction

Population removed from 100-yr

Road removed from 100-yr (miles)

1,078

of structures removed from 100-yr

277

Critical facilities removed from 100-yr

0 3 Farm/Ranch land removed from 100-yr (acres) 1

Low water crossings removed from 100-yr

Other benefits

Unknown

Reduction in # of road closures over 10 years 12

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost \$84,725,000 % Nature-Based 1

BCR 2

Recurring costs _



FMP area



Regional view of FMP area

Village Creek [Dobson St (CR 714)] Safety Improvements Title

ID# 033000075 Sponsor Burleson STRINIT

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Implement safety improvements including automatic closure gates with flashers on the north and south side of the floodplain, flood hazard signs and staff gauges at CR 714 along Village Creek in Burleson.

Watershed HUC# (if known) 120301020401 Emergency Need? No Drainage area (mi² est.) 0 Associated FME's County Johnson

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 8 Critical facilities 1 Population at risk 18 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) Number of low water crossings Historical road closures 2

100-Year Flood Risk Reduction

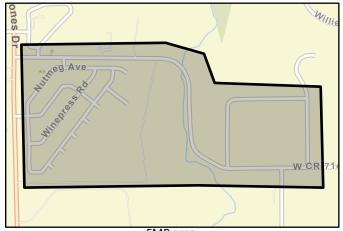
Population removed from 100-yr 0 # of structures removed from 100-yr 0 Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Unknown

Impacts

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

Estimated Cost

Project Cost \$273,000 % Nature-Based 0 BCR 0 Recurring costs _ Issues Unknown







Title White Settlement Rd. Storm Sewer System Improvements

ID# 033000077 Sponsor Westworth Village

055000077 Spoilsoi Westworth Village

RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Upgrade of 1940 LF of existing storm sewer, 5 existing junction boxes, and 2 headwalls from east of Burton Hill Road to west of Tanny Street. Construction of 5 new inlets and 5 curb inlet extensions.

Watershed HUC# (if known) 120301020105

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

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 18		# of structures 13		Critical facilities 2	

Farm/Ranch land impacted (acres) 2 Roadway(s) impacted (length) 1

Number of low water crossings 0 Historical road closures 5

100-Year Flood Risk Reduction

Population removed from 100-yr	18	# of structures removed from 100-yr 13	
Critical facilities removed from 100-yr	2	Farm/Ranch 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 2	

Impacts

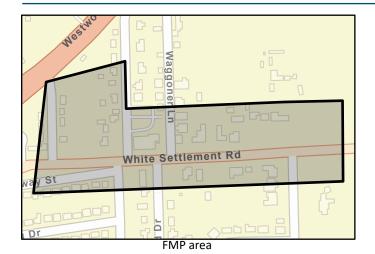
 Negative impacts?
 No
 Negative impacts description
 N/A

 Water supply contributions?
 No
 Water supply contribution description

Estimated Cost

Project Cost \$1,904,000 % Nature-Based 0 BCR 0

Recurring costs - Issues Unknown





Main B pump station, detention, and conveyance improvements

ID# 033000078

Sponsor Liberty County Water Control Improvement District



RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Title

The proposed improvements include the rehabilitation and upsizing of Pump Station B, upsize the culverts at North Travis Street, Milam Street and Woods Drive, and construction of a detention basin upstream of Main Street.

Watershed HUC# (if known) 120302030301

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Liberty

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? N	lo	Local? No	Playa? No	Othe	er? No
Population at risk	3,280		# of s	structures	324	Critical	facilities 7	
Farm/Ranch land in	mpacted (acr	es) 17			Roadway(s) impacted (le	ength) 6		
Number of low wa	ter crossings	1			Historical road closures	30		

100-Year Flood Risk Reduction

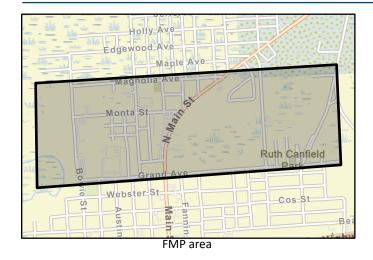
Population removed from 100-yr	12	# of structures removed from 100-yr
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr 0
Other benefits Unknown		Reduction in # of road closures over 10 years 0

Impacts

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

Estimated Cost

Project Cost	\$14,433,000	% Natu	re-Based 0	BCR	2
Recurring costs	5 -	Issues	Unknown		





Cordell Detention Pond (Rayzor Elementary School Pond) Title

ID# 033000079

RFPG recommend? Yes

Sponsor Denton

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Detention pond located on the intersection of W University Drive and Malone Street along Pecan near Rayzor Elementary School. Pond capacity will be approximately 90 acre-feet with a surface area of approximately 12 acres.

Watershed HUC# (if known) 120301030902

Emergency Need? No

Drainage area (mi² est.) 0

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 3,225

of structures 297

Critical facilities 84

Farm/Ranch land impacted (acres) 3

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 52

100-Year Flood Risk Reduction

Population removed from 100-yr

373

of structures removed from 100-yr

42

Critical facilities removed from 100-yr

2

0

Farm/Ranch land removed from 100-yr (acres) 0

Reduction in # of road closures over 10 years

Road removed from 100-yr (miles)

Unknown

Low water crossings removed from 100-yr

Impacts

Negative impacts?

Other benefits

Nο

Negative impacts description

N/A

Water supply contributions? No

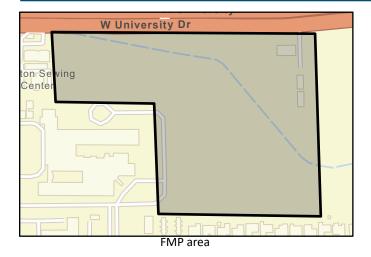
Water supply contribution description -

Estimated Cost

Project Cost \$15,497,000 % Nature-Based 0

BCR 0

Recurring costs _





Regional view of FMP area

Town Creek Warren Park Extension 033000081 Sponsor Burleson



RFPG recommend? Yes

Title

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

This alternative proposes voluntary acquisitions of structures at risk of flooding and extending the existing Warren Park. This extension would include a park with walking paths, exercise pads, and a dog park.

Watershed HUC# (if known) 120301020401 Emergency Need? No

Drainage area (mi² est.) 0

County Johnson

Associated FME's

Associated FMP's -Associated FMS's -

Existing 100-Year Flood Risk

Local? No Riverine? Yes Coastal? No Playa? No Other? No Flood risk type: # of structures 75 Critical facilities 4 Population at risk 174 Farm/Ranch land impacted (acres) 0 Roadway(s) impacted (length) Number of low water crossings Historical road closures 13

100-Year Flood Risk Reduction

Population removed from 100-yr 65 # of structures removed from 100-yr 28 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 removed from 100-yr Other benefits Unknown Reduction in # of road closures over 10 years

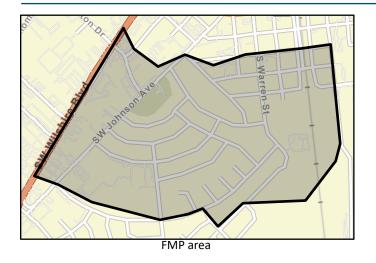
Impacts

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

Estimated Cost

Project Cost \$10,346,000 % Nature-Based 0 BCR 0

Recurring costs _ Issues Unknown





Title Project 18 - Waterview Dr. Re-Route

033000082 Sponsor Richardson



RFPG recommend? Yes Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

ID#

The project consists of replacing RCP with larger diameter RCP, constructing new RCBC, constructing additional curb inlets, and new junction boxes with manholes.

Watershed HUC# (if known) 120301050104 Emergency Need? No

Drainage area (mi² 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 12	22		# of structures	35	Critical facilities 0	
Farm/Ranch land im	pacted (acre	es) 1		Roadway(s) impacted (length)	0	
Number of low water	er crossings	1		Historical road closures 3		

100-Year Flood Risk Reduction

Population removed from 100-yr	118	# of structures removed from 100-yr	33
Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	1
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	1
Other benefits Unknown		Reduction in # of road closures over 10 years	2

Impacts

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

Estimated Cost

Project Cost	\$11,500,000	% Nature-Based	0	BCR	0
Recurring costs		Issues Unknow	n		





Pumphrey Dr. Storm Sewer System Improvements Title

ID# 033000083

Sponsor Westworth Village

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Upgrade of 280 LF of existing sewer, 2 existing inlets, and 1 headwall

Watershed HUC# (if known) 120301020105

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:

Riverine? Yes Coastal? No Local? No

Playa? No

Critical facilities 1

Other? No

Population at risk 3

of structures 2

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 1

100-Year Flood Risk Reduction

Farm/Ranch land impacted (acres) 2

Population removed from 100-yr

2

0

of structures removed from 100-yr

2

Critical facilities removed from 100-yr

Farm/Ranch land removed from 100-yr (acres) 2

Low water crossings removed from 100-yr

Road removed from 100-yr (miles) Other benefits Unknown

Reduction in # of road closures over 10 years 1

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

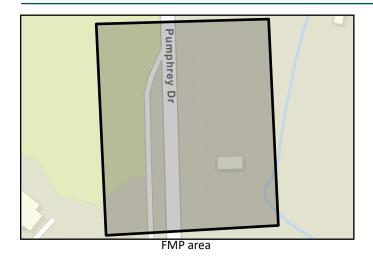
Water supply contribution description -

Estimated Cost

Project Cost \$221,000 % Nature-Based 0

BCR 0

Recurring costs _





Regional view of FMP area

Channel and Crossing Improvements on Redmond Creek south of the City of Title

Ames

ID#

033000084

Sponsor Liberty County Water Control Improvement District

RFPG recommend? Yes



Project Description

The proposed improvements include channel widening to a 5' bottom width and a trapezoidal shape with 4:1 side slopes. The primary crossing of Redmond Creek will be upsized to 4-8'x7' RCB and a crossing to the west will be upsized to a 2-3'x2' RCB.

Watershed HUC# (if known) 120302030204,120302030303

Emergency Need? No

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Drainage area (mi² est.) 1

Associated FME's

County Liberty

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 3	09		# of structures	190	Critical facilities 0	
Farm/Ranch land in	npacted (acr	es) 659		Roadway(s) impacted (length)	3	
Number of low wat	er crossings	0		Historical road closures 15		

100-Year Flood Risk Reduction

Population removed from 100-yr	0	# of structures removed from 100-yr
Critical facilities removed from 100-yr	0	Farm/Ranch 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 impacts description	N/A
Water supply contributions?	No No	Water supply contribution description	-

Estimated Cost

Project Cost	\$1,255,000	% Nature-	e-Based 0	BCR	2
Recurring cost	s -	Issues Ur	Inknown		





Harvest Hills Channel and Drainage Improvements Title

ID# 033000085 Sponsor Arlington

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

RFPG recommend? Yes

Option 2 (Briar Meadow Diversion) DS channel improvements gives a 100-year LOS to protect structures, uses larger pipes, channel widening for conveyance, 6 buyouts, positive overflow & separate outfalls of existing dual 48" RCPs. Total cost \$12,656,000.

Watershed HUC# (if known) 120301020606

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

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 1	164		# 0	of structures 44			Crit	ical facilities 4		
Farm/Panch land in	nnacted (ac	coc) O			o advuavil s	\impacted (length)	2			

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length) 2

Number of low water crossings

Historical road closures 17

100-Year Flood Risk Reduction

Population removed from 100-yr	164	# of structures removed from 100-yr	44
Critical facilities removed from 100-yr	3	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
Other benefits Unknown		Reduction in # of road closures over 10 years	4

Impacts

Negative impacts? No Negative impacts description N/A

Water supply contribution description -Water supply contributions? No

Estimated Cost

Project Cost \$15,063,000 % Nature-Based 0 BCR 0

Recurring costs Issues Unknown



FMP area



Regional view of FMP area

Project 8A - Cheyenne Dr Title 033000086 Sponsor Richardson



RFPG recommend? Yes

ID#

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Project 8a replaces existing storm sewer mains with larger storm sewers and increases the number of curb to gutter inlets to reduce flooding.

Watershed HUC# (if known) 120301050104

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Dallas

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? N	٧o	Local? No		Playa?	No	Other? No	
Population at risk 2	0		# of	structures	7		Crit	ical facilities 1		
Farm/Ranch land im	npacted (ac	res) 0			Roadway(s) impacte	d (length)	0			

Number of low water crossings

Historical road closures 3

100-Year Flood Risk Reduction

Population removed from 100-yr	20	# of structures removed from 100-yr	7
Critical facilities removed from 100-yr	1	Farm/Ranch land removed from 100-yr (acres)	0
Road removed from 100-yr (miles)	0	Low water crossings removed from 100-yr	1
Other benefits Unknown		Reduction in # of road closures over 10 years	3

Impacts

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

1

Estimated Cost

Project Cost \$792,000 % Nature-Based 0 BCR 0

Recurring costs _ Issues Unknown



FMP area



Regional view of FMP area

Johnson Creek - Arkansas Lane and Pioneer Parkway Buyout at Johnson Creek Title

ID# 033000087 Sponsor Arlington STRINIT

RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Property acquisition of approximately twenty four (24) structures along Arkansas Lane and Pioneer Parkway. No channel improvements planned.

Watershed HUC# (if known) 120301020702

Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's

County Tarrant

Associated FMS's -

Associated FMP's -

Existing 100-Year Flood Risk

Flood	risk	type:	
-------	------	-------	--

Riverine? Yes

Coastal? No

Local? No

Playa? No

Critical facilities 7

Other? No

Population at risk 157

of structures 24

Farm/Ranch land impacted (acres) 0

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 5

100-Year Flood Risk Reduction

Population removed from 100-yr

157

of structures removed from 100-yr

24

Critical facilities removed from 100-yr

O

0

Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)

Low water crossings removed from 100-yr

Other benefits Unknown Reduction in # of road closures over 10 years

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

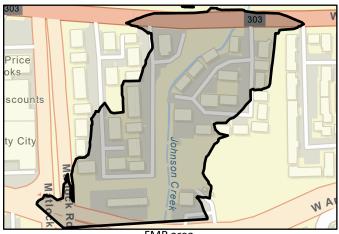
Water supply contribution description -

Estimated Cost

Project Cost \$7,675,000 % Nature-Based 0

BCR 0

Recurring costs



FMP area



Regional view of FMP area

Title Project 13 - Mimosa & Melrose Dr

ID# 033000088 Sponsor Richardson



RFPG recommend? Yes

Reason for Recommendation Action aligns with goals and meets TWDB guidance

Project Description

Project 13 proposes upsizing existing storm sewer mains and laterals, adding parallel storm sewers, and adding additional curb to gutter inlets to eliminate the 140 cfs of uncollected flow going to the east, alleviating ponding at the intersection.

Watershed HUC# (if known) 120301050104 Emergency Need? No

Drainage area (mi² est.) 0

Associated FME's - County Dallas

Associated FMS's - Associated FMP's -

Existing 100-Year Flood Risk

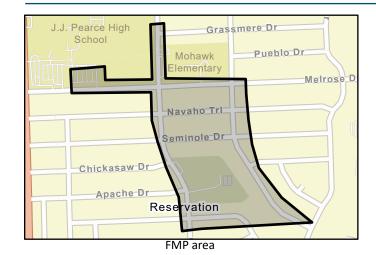
Flood risk type: Riverine?	lo Coastal	No	Local? No	Playa? No	Other? No
Population at risk 0	#	of structures 0		Critical facilities 0	
Farm/Ranch land impacted (acres	s) 0	Roa	dway(s) impacted (length)	1	
Number of low water crossings	0	His	torical road closures 5		

100-Year Flood Risk Reduction

Critical facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0 Other benefits Unknown Reduction in # of road closures over 10 years 3	Population removed from 100-yr	0	# of structures removed from 100-yr	0
collection (in	Critical facilities removed from 100-yr	0	Farm/Ranch land removed from 100-yr (acres)	0
Other benefits Unknown Reduction in # of road closures over 10 years 3	Road removed from 100-yr (miles)	1	Low water crossings removed from 100-yr	0
	Other benefits Unknown		Reduction in # of road closures over 10 years	3

Impacts

Estimated Cost





Arlington Johnson Creek - Collins Street and Division Street Buyout

ID# 033000089 RFPG recommend? Yes

Title

Sponsor Arlington

Reason for Recommendation Action aligns with goals and meets TWDB guidance



Project Description

Property acquisition of approximately one hundred twenty four (124) structures along Collins Street and Division Street. No channel improvements planned.

Watershed HUC# (if known) 120301020702

Emergency Need? No

Drainage area (mi² est.) 1

Associated FME's

County Tarrant

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 640

of structures 119

Critical facilities 39

Farm/Ranch land impacted (acres) 1

Roadway(s) impacted (length)

Number of low water crossings

Historical road closures 21

100-Year Flood Risk Reduction

Population removed from 100-yr

640

0

of structures removed from 100-yr

119

Critical facilities removed from 100-yr

0

Farm/Ranch land removed from 100-yr (acres) 0

Low water crossings removed from 100-yr

Road removed from 100-yr (miles)

Other benefits Unknown

Reduction in # of road closures over 10 years

Impacts

Negative impacts?

Nο

Negative impacts description

N/A

Water supply contributions? No

Water supply contribution description -

Estimated Cost

Project Cost \$30,258,000 % Nature-Based 0

BCR 0

Recurring costs _



FMP area



Regional view of FMP area