

Potentially Feasible Flood Management Strategies Identified by RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Nonrecurring, Noncapital Cost (\$)	Estimated Project Cost (\$)	Potential Funding Sources and Amount
042000001	4	Sabine	Orange County Drainage District Design Criteria	Update Design Criteria	04000009, 04000018, 04000019	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Regulatory and Guidance	371	Riverine, Coastal	Orange County	Orange County	Yes		\$50,000	\$0
042000002	4	Sabine	Orange County Property Buyouts	Administer program to acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	04000005	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Property Acquisition and Structural Elevation	371	Riverine, Coastal	Orange County	Orange County	Yes		\$100,000	\$0
042000003	4	Sabine	Orange County Drainage District Flood Warning System	Improvement of existing flood warning system	04000015	Orange	12010005	120100051100, 120100051003, 120100051004, 120100051005	Lower Sabine	Flood Measurement and Warning	371	Riverine, Coastal	Orange County	Orange County	Yes		\$150,000	\$0
042000004	4	Sabine	Orange County Detention Ponds Throughout County	Series of detention ponds to prevent flooding along IH-10, Hwy 12, Hwy 62, and Hwy 87 – the County's evacuation routes.	04000007	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Infrastructure Projects	371	Riverine, Coastal	Orange County	Orange County	Yes		\$44,000,000	\$0
042000005	4	Sabine	Van Zandt County Wide Floodplain Development Regulations	Incorporate higher standards for flood hazard resiliency in local application of the building code.	04000009, 04000018	Van Zandt	12010001	120100010407, 120100010503, 120100010501, 120100010502, 120100010504, 120100010601, 120100010507, 120100010603, 120100010608, 120100010605, 120100010607, 120100010505, 120100010405, 120100010604	Upper Sabine	Regulatory and Guidance	856	Riverine	Van Zandt	Van Zandt	No		\$10,000	\$0
042000006	4	Sabine	Rockwall Countywide Flood Awareness Program	Develop a public education and awareness website to educate and inform Rockwall County residents/businesses about the natural hazards and the potential ways to mitigate them.	04000009	Rockwall	12010001	120100010301, 120100010302	Upper Sabine	Education and Outreach	148	Riverine	Rockwall	Rockwall	No		\$2,775	\$0
042000007	4	Sabine	Franklin County Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Franklin	12010002	120100020201, 120100020202	Middle Sabine	Education and Outreach	294	Riverine	Franklin	Franklin	No		\$11,100	\$0
042000008	4	Sabine	Orange County Emergency Response Staging Area	Staging Area and "lily pads" for use during disaster events.	04000011	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Other	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes		\$10,000	\$0

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04200009	4	Sabine	Orange County Elevation of Residential Structures Program	Elevations of homes within Floodplains throughout County.	04000005	Orange	12010005	120100051005, 120100051004, 120100051100, 120100051003	Lower Sabine	Property Acquisition and Structural Elevation	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes		\$50,000	\$0
04200010	4	Sabine	Orange County Drainage District Additional Gages And Warning Systems	Incorporation of additional rain gauges and flood sensors throughout jurisdiction.	04000015	Orange	12010005	120100051003, 120100051004, 120100051005, 120100051100	Lower Sabine	Flood Measurement and Warning	371	Riverine, Coastal	Orange County Drainage District	Orange County Drainage District	Yes		\$200,000	\$0
04200011	4	Sabine	City of Edgewood Emergency Siren Program	Purchase and install outdoor warning sirens.	04000015	Van Zandt	12010001	120100010502, 120100010504	Upper Sabine	Flood Measurement and Warning	1	Riverine	Edgewood	Edgewood	No		\$10,000	\$0
04200012	4	Sabine	City of Edgewood Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12020001	120100010502, 120100010504	#N/A	Other	1	Riverine	Edgewood	Edgewood	No		\$100,000	\$0
04200013	4	Sabine	City of Greenville NFIP Participation	Increase NFIP Participation. Greenville participates in the NFIP program and needs to strongly encourage through education additional residents and businesses to purchase and maintain flood insurance.	04000009, 04000018	Hunt	12010001	120100010103, 120100010102, 120100010204, 120100010401	Upper Sabine	Regulatory and Guidance	33	Riverine	Greenville	Greenville	No		\$10,000	\$0
04200014	4	Sabine	City of Fruitvale "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Regulatory and Guidance	2	Riverine	Fruitvale	Fruitvale	No		\$10,000	\$0
04200015	4	Sabine	City of Fruitvale Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	04000015, 04000009	Van Zandt	12010001	120100010504, 120100010601	Upper Sabine	Flood Measurement and Warning	2	Riverine	Fruitvale	Fruitvale	No		\$10,000	\$0
04200016	4	Sabine	City of Van "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Regulatory and Guidance	3	Riverine	Van	Van	No		\$10,000	\$0
04200017	4	Sabine	City of Van Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010608, 120100010607	Upper Sabine	Other	3	Riverine	Van	Van	No		\$50,000	\$0
04200018	4	Sabine	City of Grand Saline "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010601, 120100010605	Upper Sabine	Regulatory and Guidance	2	Riverine	Grand Saline	Grand Saline	No		\$10,000	\$0

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042000019	4	Sabine	City of Grand Saline Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains, and culverts	04000011	Van Zandt	12010001	120100010601,	Upper Sabine	Other	2	Riverine	Grand Saline	Grand Saline	No		\$100,000	\$0
042000020	4	Sabine	City of Wills Point "StormReady" Program	Obtain certification in the National Weather Service StormReady Program.	04000009, 04000018	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Regulatory and Guidance	4	Riverine	Wills Point	Wills Point	No		\$10,000	\$0
042000021	4	Sabine	City of Wills Point Flood Emergency Notification System	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	04000015, 04000009	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Flood Measurement and Warning	4	Riverine	Wills Point	Wills Point	No		\$10,200	\$0
042000022	4	Sabine	City of Wills Point Flood Infrastructure Maintenance	Adopt and implement a program for clearing debris from bridges, drains and culverts.	04000011	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Other	4	Riverine	Wills Point	Wills Point	No		\$51,000	\$0
042000023	4	Sabine	City of Wills Point Flood Awareness Program	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	04000009, 04000017	Van Zandt	12010001	120100010501, 120100010502	Upper Sabine	Education and Outreach	4	Riverine	Wills Point	Wills Point	No		\$10,200	\$0
042000024	4	Sabine	City of Fate Flood Access Improvement	Add secondary entry/access roads to existing neighborhoods where possible/enforce two entry/access road requirements in existing code for new construction	04000011	Rockwall	12010001	120100010301	#N/A	Regulatory and Guidance	12	Riverine	Fate	Fate	No		\$400,000	\$0
042000025	4	Sabine	City of Fate Flood Infrastructure Maintenance	Develop and implement a county-wide pre-disaster debris removal and monitoring contracts	04000011	Rockwall	12010001	120100010301	#N/A	Other	12	Riverine	Fate	Fate	No		\$100,000	\$0
042000026	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement a public education campaign to inform the public about mitigation actions they can take to make their family and home safer. Put information and links to outside resources on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12	Riverine	Gladewater	Gladewater	No		\$10,000	\$0

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042000027	4	Sabine	City of Gladewater Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Education and Outreach	12	Riverine	Gladewater	Gladewater	No		\$10,000	\$0
042000028	4	Sabine	City of Gladewater Flood Infrastructure Maintenance Program	Implement program to remove debris from drainage culverts when needed to alleviate potential flooding hazards	04000011	Gregg, Upshur	12010002	120100020402, 120100020403, 120100020405	Middle Sabine	Other	12	Riverine	Gladewater	Gladewater	No		\$20,000	\$0
042000029	4	Sabine	City of Gladewater Flood Awareness Program	Develop, implement and promote a public education campaign to encourage the public to register for the Nixle warning system; put link on city websites and facebook pages.	04000009	Gregg, Upshur	12010002	120100020405	Middle Sabine	Education and Outreach	7	Riverine	Gladewater	Gladewater	No		\$10,000	\$0
042000030	4	Sabine	City of Kilgore "StormReady" Program	Obtain awareness materials from Texas Floodplain Management Association for distribution to the public. Post public awareness content on social media platforms prior to and during flooding.	04000009	Gregg, Rusk	12010002	120100020506, 120100020405, 120100020502, 120100020503	Middle Sabine	Education and Outreach	19	Riverine	Kilgore	Kilgore	No		\$5,000	\$0
042000031	#N/A	#N/A	#N/A	#N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		#N/A	#N/A
042000032	4	Sabine	City of Kilgore Flood Infrastructure Inspection and Maintenance Program	Investigate the current condition of culverts, headwalls, and repairs to culverts and headwalls	04000011	Rusk	12010002	120100020502, 120100020503, 120100020506, 120100020405	Middle Sabine	Other	19	Riverine	Kilgore	Kilgore	No		\$30,000	\$0
042000033	4	Sabine	City of Clarksville City Flood Infrastructure Inspection and Maintenance Program	Monitor flood-prone areas and remove debris from drainage culverts when needed to alleviate potential flooding hazards.	04000011	Gregg, Upshur	12010002	120100020405	Middle Sabine	Other	7	Riverine	Clarksville City	Clarksville City	No		\$20,000	\$0
042000034	4	Sabine	City of Longview Flood Awareness Program	Promote the "Turn Around Don't Drown" campaign, in partnership with DPS.	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	56	Riverine	Longview	Longview	No		\$10,000	\$0
042000035	4	Sabine	City of Longview Flood Mitigation Training Program	Seek state and FEMA sponsored training in flood mitigation for key personnel.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine	Longview	Longview	No		\$2,000	\$0

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042000036	4	Sabine	Longview Flood Mitigation Floodplain Development Regulations	Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to regulate new development within the floodplain. Review and revise ordinances, when needed.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine	Longview	Longview	No		\$0	\$0
042000037	4	Sabine	City of Longview Online Flood Awareness Program	Place links on local websites to free FEMA training for independent study via the internet, such as 15-271 "Anticipating Hazardous Weather and Community Risk."	04000009	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Education and Outreach	56	Riverine	Longview	Longview	No		\$0	\$0
042000038	4	Sabine	City of Longview Regulatory Flood Hazard Map Program	Work with state and federal agencies to maintain current flood maps.	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine	Longview	Longview	No		\$0	\$0
042000039	4	Sabine	City of Longview Property Acquisition Program	Implementation of program to purchase properties in floodplain areas to reserve them from development.	04000005	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Property Acquisition and Structural Elevation	56	Riverine	Longview	Longview	No		\$100,000	\$0
042000040	4	Sabine	City of Longview Property Acquisition Program	Implementation of program to purchase severe loss-repetitive loss homes in floodplain areas to reserve them from development.	04000005	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Property Acquisition and Structural Elevation	56	Riverine	Longview	Longview	No		\$100,000	\$0
042000041	4	Sabine	City of Longview Dam Development	Promote FEMA-recommended construction methods for any new dam	04000009, 04000018	Gregg	12010002	120100020506, 120100020601, 120100020504, 120100020505, 120100020602	Middle Sabine	Regulatory and Guidance	56	Riverine	Longview	Longview	No		\$10,000	\$0
042000042	4	Sabine	City of Hideaway Flood Awareness Program	Conduct public outreach to educate homeowners on flood mitigation measures for their homes.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2	Riverine	Hideaway	Hideaway	No		\$10,500	\$0

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042000043	4	Sabine	City of Hideaway Floodplain Development Regulations	Mandate 2 FT Freeboard on Hideaway Lakes Dams	04000009, 04000018	Smith	12010002	120100020102	Middle Sabine	Regulatory and Guidance	2	Riverine	Hideaway	Hideaway	No		\$10,000	\$0
042000044	4	Sabine	City of Hideaway Flood Awareness Program	Public Awareness of Evacuation Routes from rising water from dam failure.	04000009	Smith	12010002	120100020102	Middle Sabine	Education and Outreach	2	Riverine	Hideaway	Hideaway	No		\$10,500	\$0
042000045	4	Sabine	City of Hideaway Dam Reliability Program	The city will remove trees from earthen dams on hideaway lakes #2 and #3 to mitigate erosion and assist with soil adhesion.	04000011	Smith	12010002	120100020102	Middle Sabine	Other	2	Riverine	Hideaway	Hideaway	No		\$60,000	\$0
042000046	4	Sabine	City of Winona Flood Awareness Program	Conduct public outreach to homeowners and residents on flood mitigation measures for their residents.	04000009	Smith	12010002	120100020107, 120100020303	Middle Sabine	Education and Outreach	2	Riverine	Winona	Winona	No		\$104,000	\$0
042000047	4	Sabine	City of Royse City Floodplain Management Ordinances	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	#N/A	Regulatory and Guidance	18	Riverine	Royse City	Royse City	No		\$10,000	\$0
042000048	4	Sabine	City of Royse City "StormReady" Program	Achieve certification by the National Weather Service as a "StormReady" Community.	04000009, 04000018	Rockwall, Collin, Hunt	12010001	120100010202, 120100010301, 120100010302	#N/A	Regulatory and Guidance	18	Riverine	Royse City	Royse City	No		\$10,000	\$0
042000049	4	Sabine	City of Como Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads and to "Turn Around; Don't Drown."	04000009	Hopkins	12010003	120100030201	Lake Fork	Education and Outreach	1	Riverine	Como	Como	No		\$10,000	\$0
042000050	4	Sabine	City of Cumby Flood Awareness Program	Develop and implement the "Turn Around, Don't Drown Program"	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	1	Riverine	Cumby	Cumby	No		\$0	\$0
042000051	4	Sabine	City of Cumby Flood Awareness Program	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads	04000009	Hopkins	12010003	120100030101, 120100030104	Lake Fork	Education and Outreach	1	Riverine	Cumby	Cumby	No		\$11,500	\$0
042000052	4	Sabine	City of Marshall Property Acquisition Program	Encourage development of acquisition and management strategies to preserve open space for flood mitigation and water quality in the floodplain.	04000005	Harrison	12010002	120100020703, 120100020701, 120100020702, 120100020704	Middle Sabine	Property Acquisition and Structural Elevation	30	Riverine	Marshall	Marshall	No		\$50,000	\$0

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FMS ID	Flood Risk			Reduction in Flood Risk																		Cost/ Structure removed	Considerati on of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommen dation (Y/N)	Reason for Recommen dation				
	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk	Estimated reduction in fatalities (if available)								Estimated reduction in injuries (if available)			
042000001	341.08	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000002	341.08	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000003	341.08	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000004	341.08	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	None	No			
042000005	203.25	10.49	1,080	452	1,954	13	9	0	79	26,372	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000006	15.24	1.06	191	149	786	0	11	0	15	3,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000007	0.12	0.02	1	0	4	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000008	341.07	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			

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	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk	Estimated reduction in fatalities (if available)								Estimated reduction in injuries (if available)
042000009	341.07	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000010	341.07	58.82	16,974	14,040	44,427	276	22	0	364	17,171	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000011	0.28	0.02	27	11	32	0	0	0	1	29	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000012	0.28	0.02	27	11	32	0	0	0	1	29	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000013	13.53	1.26	429	254	6,227	28	0	0	26	1,339	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000014	0.99	0.04	4	1	12	0	0	0	2	127	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000015	0.99	0.04	4	1	12	0	0	0	2	127	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000016	0.01	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000017	0.01	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		
042000018	0.60	0.07	82	34	225	1	0	0	2	24	0	0	0	0	0	0	0	0	0	0			0	0	No	Non-Structural	No		



FMS ID	Flood Risk			Reduction in Flood Risk																	Cost/ Structure removed	Considerati on of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	RFPG Recommen dation (Y/N)	Reason for Recommen dation				
	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk								Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)		
042000019	0.60	0.07	82	34	225	1	0	0	2	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000020	0.32	0.04	12	4	36	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000021	0.32	0.04	12	4	36	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000022	0.32	0.04	12	4	36	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000023	0.32	0.04	12	4	36	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000024	1.19	0.14	21	21	128	0	1	0	3	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000025	1.19	0.14	21	21	128	0	1	0	3	164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000026	7.45	0.66	146	103	300	0	0	0	4	308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		

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	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk	Estimated reduction in fatalities (if available)								Estimated reduction in injuries (if available)
042000027	7.45	0.66	146	103	300	0	0	0	4	308	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000028	7.45	0.66	146	103	300	0	0	0	4	308	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000029	3.50	0.26	25	9	49	0	0	0	1	118	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000030	7.03	0.94	296	224	1,284	3	3	0	15	96	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000031	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A			#N/A	#N/A	#N/A	#N/A	#N/A		
042000032	7.03	0.94	296	224	1,284	3	3	0	15	96	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000033	3.50	0.26	25	9	49	0	0	0	1	118	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000034	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000035	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		

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	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk	Estimated reduction in fatalities (if available)								Estimated reduction in injuries (if available)
042000036	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000037	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000038	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000039	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000040	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000041	17.05	2.19	1,379	1,024	12,707	9	0	0	41	295	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		
042000042	1.22	0.05	249	224	365	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0			0	0	No	Non- Structural	No		

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	Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk	Number of low water crossings removed from 100yr (1% annual chance)	Estimated reduction in road closure occurrence s	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk	Estimated reduction in fatalities (if available)								Estimated reduction in injuries (if available)			
042000043	1.22	0.05	249	224	365	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000044	1.22	0.05	249	224	365	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No		
042000045	1.22	0.05	249	224	365	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000046	0.66	0.08	8	4	9	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000047	8.83	0.77	131	92	552	0	8	0	19	1,451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000048	8.83	0.77	131	92	552	0	8	0	19	1,451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000049	0.06	0.01	3	2	1	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000050	0.04	0.00	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000051	0.04	0.00	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			
042000052	7.06	0.80	561	374	4,969	0	0	0	18	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	Non- Structural	No			