Table 18. Potentially feasible flood management strategies recommended by RFPG

FMS ID	FMS Name	Description	County	Watershed Name	FMS Type	FMS Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)
06-53-0000000001	City of Bellaire Roadway and Drainage Improvements	Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.	Harris County	06-02-0401040402, 06-02-0401040401, 06-02-0401040402, 06-02-0401040401	Other	3.60	Urban/Local	City of Bellaire	Harris County, Harris County Flood Control District, City of Bellaire	No	$ 3,600,000
06-53-0000000004	City of Bellaire Surrounding Area Drainage Improvements	Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.	Harris County	06-02-0401040402, 06-02-0401040401, 06-02-0401040402, 06-02-0401040401	Other	3.60	Urban/Local	City of Bellaire	Harris County, Harris County Flood Control District, City of Bellaire	No	$ 120,000
06-53-0000000006	City of Bunker Hill Community Outreach	Community Outreach (flooded street identification, marking and signage)	Harris County	06-02-0401040303, 06-02-0401040303	Education and Outreach	1.44	Urban/Local	City of Bunker Hill Village	Harris County, Harris County Flood Control District, City of Bunker Hill Village	No	$ 121,000
06-53-0000000007	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.	Harris County	06-02-0401040303, 06-02-0401040303	Other	1.44	Riverine, Urban/Local	City of Bunker Hill Village	Harris County, Harris County Flood Control District, City of Bunker Hill Village	No	$ 606,000
06-53-0000000008	Harris County Hazard Mitigation Action AW-3	Utilizing the existing public outreach capability to develop, deploy, and disseminate targeted outreach projects promoting risk communication, mitigation and resilience to all the hazards of concern.	Harris County		Education and Outreach	1,777.29	Riverine, Urban/Local	Harris County	Harris County, Liberty County Water Control District 1	No	$ 121,000
06-53-0000000009	Harris County Hazard Mitigation Action AW-4	Strive to capture time-sensitive data such as high-water marks, extent and location of hazard, and loss information to support future updates to risk assessments as well as other plans and programs that utilize hazard extent data.	Harris County		Flood Measurement and Warning	1,777.29	Riverine, Urban/Local	Harris County	Harris County, Liberty County Water Control District 1	No	$ 363,000
06-53-0000000010	Harris County Hazard Mitigation Action AW-5	Continue to develop, improve, and implement an enhanced mass public warning and alert system within the Harris County Joint Information Center to provide warning capability throughout Harris County to support the emergency management of all hazards.	Harris County		Flood Measurement and Warning	1,777.29	Riverine, Urban/Local	Harris County	Harris County, Liberty County Water Control District 1	No	$ 121,000
06-53-0000000011	Harris County Hazard Mitigation Action AW-6	Utilize viable and relevant information, data and tools (Hazus models) developed as part of the update to the risk assessment of this plan update to support training and exercise of the County's preparedness, response and recovery programs.	Harris County		Flood Measurement and Warning	1,777.29	Riverine, Urban/Local	Harris County	Harris County, Liberty County Water Control District 1	No	$ 606,000
06-53-0000000012	City of Alvin CRS Application	Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.	Brazoria County	06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Other	15.79	Riverine, Urban/Local	City of Alvin	Brazoria County, City of Alvin	No	$ 30,000
06-53-0000000013	Brazoria County Increased Cost of Compliance Education	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.	Brazoria County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Education and Outreach	1,485.99	Riverine, Coastal, Urban/Local	Brazoria County	Brazoria County	No	$ 24,000
06-53-0000000014	City of Galveston NFIP CRS Rating	Maintain membership of the NFIP's CRS	Galveston County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040500	Other	53.58	Riverine, Coastal, Urban/Local	City of Galveston	Galveston County	No	$ 12,000
06-53-0000000015	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.	Galveston County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Regulatory and Guidance	667.28	Riverine, Coastal, Urban/Local	Galveston County	Galveston County	No	$ 121,000
06-53-0000000016	Waller County Elevation Certificate Requirement	Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA).	Waller County	06-02-0401010104, 06-02-0401010101, 06-02-0401010103, 06-02-0401010201, 06-02-0401010202, 06-02-0401010203, 06-02-0401010204, 06-02-0401030101, 06-02-0401030106, 06-02-0401030303, 06-02-0401030305, 06-02-0401030301, 06-02-0401030302	Regulatory and Guidance	801.24	Riverine, Urban/Local	Waller County	Brookshire Katy Drainage District, City of Katy, Walker County, Waller County	No	$ 61,000
06-53-0000000017	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.	Galveston County	06-02-0402040200, 06-02-0402040100	Regulatory and Guidance	1.89	Riverine, Coastal, Urban/Local	City of Kemah	Galveston County, Harris County, City of Kemah	No	$ 121,000
06-53-0000000018	Galveston County-wide Education and Outreach	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	Galveston County, Harris County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Education and Outreach	667.09	Riverine, Coastal, Urban/Local	Galveston County	Galveston County	No	$ 61,000
06-53-0000000019	Public Information and Awareness in City of New Waverly	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.	Walker County	06-02-0401030101	Education and Outreach	2.22	Urban/Local	City of New Waverly	Walker County, City of New Waverly	No	$ 12,000
06-53-0000000020	Promotion of Flood Insurance in City of Arcola	Promote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.	Fort Bend County	06-02-0402040400	Education and Outreach	2.60	Riverine, Urban/Local	City of Arcola	Fort Bend County, City of Arcola	No	$ 61,000
06-53-0000000021	City of Todd Mission Public Outreach & Education	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	Grimes County	06-02-0401020203, 06-02-0401020206	Education and Outreach	1.96	Riverine, Urban/Local	City of Todd Mission	City of Todd Mission	No	$ 24,000
06-53-0000000022	Increase Public Awareness of Hazards in City of Arcola	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.	Fort Bend County	06-02-0402040400	Education and Outreach	2.60	Riverine, Urban/Local	City of Arcola	City of Arcola	No	$ 61,000
06-53-0000000023	Expand Development of Emergency Notification System in Liberty County	Expand development of emergency notification system/work to establish public awareness of emergency notification process.	Liberty County	06-02-0401030201, 06-02-0401030108, 06-02-0401030109, 06-02-0401030205, 06-02-0401030402, 06-02-0401030203, 06-02-0401030204, 06-02-0401030202, 06-02-0401030401, 06-02-0402030104, 06-02-0402030103, 06-02-0402030102, 06-02-0402030101	Education and Outreach	1,174.31	Riverine, Urban/Local	Liberty County	Liberty County, Liberty County Water Control District 1	No	$ 12,000
06-53-0000000025	Galveston County Stormproof/Retrofit Infrastructure	Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.	Galveston County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Infrastructure Projects	667.37	Riverine, Coastal, Urban/Local	Galveston County	Galveston County, City of Galveston	Yes	$ 6,056,000
06-53-0000000026	Implement Stormwater Management Plan in City of Bayou Vista	Implement stormwater management plan to improve drainage during flood and other weather events.	Galveston County	06-02-0402040200	Regulatory and Guidance	0.45	Riverine, Coastal, Urban/Local	City of Bayou Vista	City of Bayou Vista	No	$ 30,000
06-53-0000000027	Walker County Public Information and Awareness	Purchase high water (flood) indicators for low water river crossing for county roads.	Walker County	06-02-0401010104, 06-02-0401010101, 06-02-0401010102, 06-02-0401010103, 06-02-0401010201, 06-02-0401010202, 06-02-0401010203, 06-02-0401010204, 06-02-0401030101, 06-02-0401030106, 06-02-0401030303, 06-02-0401030305, 06-02-0401030301, 06-02-0401030302	Flood Measurement and Warning	801.02	Riverine, Urban/Local	Walker County	Walker County	No	$ 149,000
06-53-0000000028	City of Bayou Vista Severe Weather Warning Systems	Purchase and install severe weather warning systems	Galveston County	06-02-0402040200	Flood Measurement and Warning	0.45	Riverine, Coastal, Urban/Local	City of Bayou Vista	City of Bayou Vista	No	$ 42,000

FMS ID	FMS Name	Description	County	Watershed Name	FMS Type	FMS Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)
06-53-0000000031	Brazoria County Structure Elevation	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.	Brazoria County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Property Acquisition and Structural Elevation	1,486.24	Riverine, Coastal, Urban/Local	Brazoria County	City of Alvin, Brazoria County, City of Iowa Colony, City of Pearland	Yes	$ 72,673,000
06-53-0000000032	Brazoria County Non-structural Mitigation / Land Preservation	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natural hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.	Brazoria County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Property Acquisition and Structural Elevation	1,486.24	Riverine, Coastal, Urban/Local	Brazoria County	City of Alvin, Brazoria County, City of Iowa Colony, City of Pearland	Yes	$ 78,729,000
06-53-0000000033	City of Bellaire Flood Rescue Plan	Develop a plan to address rescues from both one-story and two-story homes. This includes evacuating disabled/physically impaired/elderly individuals from homes in advance of anticipated extreme rainfall events.	Harris County	06-02-0401040402, 06-02-0401040401	Regulatory and Guidance	3.60	Riverine, Urban/Local	City of Bellaire	City of Bellaire	No	$ 240,000
06-53-0000000034	Brazoria County Dam and Levee Failure Outreach and Education campaign	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.	Brazoria County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Education and Outreach	1,486.24	Riverine, Coastal, Urban/Local	Brazoria County	City of Alvin, Brazoria County, City of Iowa Colony, City of Pearland	No	$ 24,000
06-53-0000000035	Amending Grimes County Floodplain Ordinance	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.	Grimes County	06-02-0401010101, 06-02-0401010301, 06-02-0401010302, 06-02-0401010303, 06-02-0401010103, 06-02-0401010304, 06-02-0401010305, 06-02-0401010306, 06-02-0401020202, 06-02-0401020203, 06-02-0401020207, 06-02-0401020206	Regulatory and Guidance	802.15	Riverine, Urban/Local	Grimes County	Grimes County, City of Todd Mission	No	$ 24,000
06-53-0000000036	Grimes County Property Acquisition	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.	Grimes County	06-02-0401010101, 06-02-0401010301, 06-02-0401010302, 06-02-0401010303, 06-02-0401010103, 06-02-0401010304, 06-02-0401010305, 06-02-0401010306, 06-02-0401020202, 06-02-0401020203, 06-02-0401020207, 06-02-0401020206	Property Acquisition and Structural Elevation	802.15	Riverine, Urban/Local	Grimes County	Grimes County, City of Todd Mission	Yes	$ 115,000
06-53-0000000037	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Acquire homes located down-stream of high hazard dams.	Grimes County	06-02-0401010101, 06-02-0401010301, 06-02-0401010302, 06-02-0401010303, 06-02-0401010103, 06-02-0401010304, 06-02-0401010305, 06-02-0401010306, 06-02-0401020202, 06-02-0401020203, 06-02-0401020207, 06-02-0401020206	Property Acquisition and Structural Elevation	802.15	Riverine, Urban/Local	Grimes County	Walker County	Yes	$ 1,211,000
06-53-0000000039	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.	Galveston County	06-02-0402040300, 06-02-0402040200	Regulatory and Guidance	17.09	Riverine, Urban/Local	City of Santa Fe	City of Santa Fe	No	$ 6,056,000
06-53-0000000040	Waller County Drainage System Maintenance	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.	Waller County	06-02-0401020102, 06-02-0401020103, 06-02-0401020204, 06-02-0401020101, 06-02-0401020201, 06-02-0401020202, 06-02-0401020203, 06-02-0401020205, 06-02-0401020207, 06-02-0401020206, 06-02-0401040102, 06-02-0401040103, 06-02-0401040101, 06-02-0401040203	Infrastructure Projects	517.90	Riverine, Urban/Local	Waller County	Brookshire Katy Drainage District, City of Katy, Walker County, Waller County	No	$ 3,028,000
06-53-0000000041	Waller County Flood Hazard Public Information Campaign	Posting of signage at high profile locations and use of social media to communicate threats/concerns. Flood gauges for common flooded road crossings. Burn ban signs.	Waller County	06-02-0401020102, 06-02-0401020103, 06-02-0401020204, 06-02-0401020101, 06-02-0401020201, 06-02-0401020202, 06-02-0401020203, 06-02-0401020205, 06-02-0401020207, 06-02-0401020206, 06-02-0401040102, 06-02-0401040103, 06-02-0401040101, 06-02-0401040203	Education and Outreach	517.90	Riverine, Urban/Local	Waller County	Brookshire Katy Drainage District, City of Katy, Walker County, Waller County	No	$ 24,000
06-53-0000000042	Waller County Freeboard Requirement Update	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.	Waller County	06-02-0401020102, 06-02-0401020103, 06-02-0401020204, 06-02-0401020101, 06-02-0401020201, 06-02-0401020202, 06-02-0401020203, 06-02-0401020205, 06-02-0401020207, 06-02-0401020206, 06-02-0401040102, 06-02-0401040103, 06-02-0401040101, 06-02-0401040203	Regulatory and Guidance	517.90	Riverine, Urban/Local	Waller County	Brookshire Katy Drainage District, City of Katy, Walker County, Waller County	No	$ 121,000
06-53-0000000043	Install Outdoor Early warning System in Walker County	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.	Walker County	06-02-0401010104, 06-02-0401010101, 06-02-0401010102, 06-02-0401010103, 06-02-0401010201, 06-02-0401010202, 06-02-0401010203, 06-02-0401010204, 06-02-0401030101, 06-02-0401030106, 06-02-0401030303, 06-02-0401030305, 06-02-0401030301, 06-02-0401030302	Education and Outreach	801.17	Riverine, Urban/Local	Walker County	Walker County, City of Huntsville, City of New Waverly	No	$ 1,030,000
06-53-0000000044	Walker County Public Hazard Information and Awareness Campaign	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.	Walker County	06-02-0401010104, 06-02-0401010101, 06-02-0401010102, 06-02-0401010103, 06-02-0401010201, 06-02-0401010202, 06-02-0401010203, 06-02-0401010204, 06-02-0401030101, 06-02-0401030106, 06-02-0401030303, 06-02-0401030305, 06-02-0401030301, 06-02-0401030302	Education and Outreach	801.17	Riverine, Urban/Local	Walker County	Walker County, City of Huntsville, City of New Waverly	No	$ 24,000
06-53-0000000045	Retrofit and Harden the Emergency Operations Center Serving Walker County	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.	Walker County	06-02-0401010104, 06-02-0401010101, 06-02-0401010102, 06-02-0401010103, 06-02-0401010201, 06-02-0401010202, 06-02-0401010203, 06-02-0401010204, 06-02-0401030101, 06-02-0401030106, 06-02-0401030303, 06-02-0401030305, 06-02-0401030301, 06-02-0401030302	Education and Outreach	801.17	Riverine, Urban/Local	Walker County	Walker County, City of Huntsville	No	$ 4,845,000
06-53-0000000046	City of Cleveland Drainage Maintenance	Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	Liberty County, Montgomery County, San Jacinto County	06-02-0401030201, 06-02-0401030108, 06-02-0401030109, 06-02-0401030203, 06-02-0401030202, 06-02-0401030401	Infrastructure Projects	18.81	Riverine, Urban/Local	City of Cleveland	City of Cleveland, Montgomery County, San Jacinto County	No	$ 6,056,000
06-53-0000000047	City of Hilcrest Village Land Acquisition	Purchase additional land for retention pond construction to mitigate flooding in flood zones.	Brazoria County	06-02-0402040400	Property Acquisition and Structural Elevation	0.44	Riverine, Urban/Local	City of Hillcrest Village	City of Hillcrest Village	Yes	$ 303,000
06-53-0000000048	City of Manvel Property Acquisition	Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.	Brazoria County	06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Property Acquisition and Structural Elevation	27.50	Riverine, Urban/Local	City of Manvel	City of Manvel	Yes	$ 2,059,000
06-53-0000000050	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.	Galveston County	06-02-0402040200	Infrastructure Projects	0.45	Riverine, Coastal, Urban/Local	City of Bayou Vista	City of Bayou Vista	No	$ 121,000
06-53-0000000053	City of Santa Fe - Harden Existing Critical Facilities and Infrastructure	Harden existing critical facilities and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.	Galveston County	06-02-0402040300, 06-02-0402040200	Infrastructure Projects	17.09	Riverine, Urban/Local	City of Santa Fe	City of Santa Fe	Yes	$ 2,422,000

FMS ID	FMS Name	Description	County	Watershed Name	FMS Type	FMS Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)
06-53-0000000054	City of Santa Fe - Drainage System Maintenance	Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.	Galveston County	06-02-0402040300, 06-02-0402040200	Infrastructure Projects	17.09	Urban/Local	City of Santa Fe	City of Santa Fe	No	$ 6,000
06-53-0000000055	Liberty County Floodplain Acquisition	Acquisition of property in the floodplain.	Liberty County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Property Acquisition and Structural Elevation	667.08	Riverine, Urban/Local	Liberty County	City of Dayton, Liberty County	Yes	$ 908,000
06-53-0000000056	City of Galveston Floodplain Manager Increase	Increase and maintain number of floodplain managers in the building division through training and certification.	Galveston County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040500	Regulatory and Guidance	211.72	Riverine, Coastal, Urban/Local	City of Galveston	Galveston County	No	$ 12,000
06-53-0000000057	City of Galveston SRL and RL Property Mitigation	Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repetitive Loss properties and structures damaged by flooding.	Galveston County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040500	Property Acquisition and Structural Elevation	211.72	Riverine, Coastal, Urban/Local	City of Galveston	Galveston County, City of Galveston	Yes	$ 97,000
06-53-0000000058	City of Bunker Hill Village Non-Structural Mitigation Projects	Non-structural mitigation measure - buried powerlines, tree management and generators	Harris County	06-02-0401040303	Other	1.44	Riverine, Urban/Local	City of Bunker Hill Village	Harris County, Harris County Flood Control District, City of Bunker Hill Village	No	$ 121,000
06-53-0000000059	Hardening of Critical Facilities in City of Mission Todd	Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.	Grimes County	06-02-0401020203, 06-02-0401020206	Infrastructure Projects	2.01	Riverine, Urban/Local	City of Todd Mission	Grimes County, City of Todd Mission	Yes	$ 30,000
06-53-0000000060	Harris County Mitigation Buyout and Relocation Program	This program is designed to assist owners whose properties were damaged by a natural disaster and or in an area that is designated hopelessly deep in the floodplain and repetitively flooded, to relocate outside the threat of flooding.	Harris County		Property Acquisition and Structural Elevation	1,770.82	Riverine, Coastal, Urban/Local	Harris County	Harris County, Harris County Flood Control District, City of Houston, Liberty County Water Control District 1	Yes	$ 90,841,000
06-53-0000000061	City of Alvin Full Time Floodplain Administrator	Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support.	Brazoria County, Galveston County, Fort Bend County	06-02-0402040300, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Regulatory and Guidance	25.17	Riverine, Urban/Local	City of Alvin	City of Alvin	No	$ 121,000
06-53-0000000062	City of Pearland SRL and RL Property Acquisition	Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.	Brazoria County, Fort Bend County, Harris County	06-02-0401040501, 06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Property Acquisition and Structural Elevation	48.85	Riverine, Urban/Local	City of Pearland	Brazoria County, Brazoria Drainage District 4, City of Pearland	Yes	$ 121,000
06-53-0000000063	Harris County Wide Voluntary Buyout Program	Targeted home buyouts to reduce flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost-effective and/or beneficial.	Harris County		Property Acquisition and Structural Elevation	1,777.29	Riverine, Coastal, Urban/Local	Harris County Flood Control District	Harris County, Harris County Flood Control District, City of Houston, Liberty County Water Control District 1	Yes	$ 605,607,000
06-53-0000000064	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.	Galveston County	06-02-0402040200	Property Acquisition and Structural Elevation	14.28	Riverine, Coastal, Urban/Local	Galveston County	Galveston County, City of Galveston, City of Hitchcock, City of Jamaica Beach, City of La Marque, City of Santa Fe, City of Texas City	No	$ 36,336,000
06-53-0000000065	Liberty County Regional Coordination	Work with adjoining counties regarding flooding and drainage issues.	Liberty County	06-02-0401030201, 06-02-0401030108, 06-02-0401030109, 06-02-0401030205, 06-02-0401030402, 06-02-0401030203, 06-02-0401030204, 06-02-0401030202, 06-02-0401030401, 06-02-0402030104, 06-02-0402030103, 06-02-0402030102, 06-02-0402030101	Other	1,174.46	Riverine, Coastal, Urban/Local	Liberty County	Chambers County, Harris County, City of League City, San Jacinto County, Liberty County Water Control District 1	No	$ 606,000
06-53-0000000071	Chambers County Flood Model and Map Management System	Develop and implement a web-based system to manage flood models and mapping and regulate future development.	Chambers County	06-02-0402030105, 06-02-0402030104, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	53.78	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, City of Beach City, City of Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District	No	$ 44,000
06-53-0000000072	Chambers County Property Acquisition	This flood management strategy proposes that funds be established for Chambers County to implement a county-wide voluntary property acquisition program for structures located within the 100-year floodplain or the floodway of an existing watercourse.	Chambers County	06-02-0402030105, 06-02-0402030104, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	53.78	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, City of Beach City, City of Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District	No	$ 436,000
06-53-0000000073	Chambers County Drainage Criteria Manual Update	Update Drainage Criteria Manual for the County to minimize and eliminate the possibility of future development adversely impacting downstream communities.	Chambers County	06-02-0402030105, 06-02-0402030104, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	53.78	Riverine, Coastal	Chambers County	Chambers County, Harris County, Liberty County, City of Baytown, City of Beach City, City of Mont Belvieu, San Jacinto Region Boundary, Chambers-Liberty Counties Navigation District, Gulf Coast Waste Disposal Authority, Port of Houston Authority, Harris County Flood Control District, Houston-Galveston Area Council, Chambers County Improvement District 3, Chambers County Improvement District 2, Chambers-Liberty Counties Improvement District	No	$ 154,000
06-53-0000000074	West Fork San Jacinto River floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	Montgomery County	06-02-0401030110, 06-02-0401010207, 06-02-0401010308, 06-02-0401010401, 06-02-0401010402, 06-02-0401010403, 06-02-0401020211, 06-02-0401020213, 06-02-0401030104, 06-02-0401030102, 06-02-0401030105, 06-02-0401010205, 06-02-0401010206, 06-02-0401010404, 06-02-0401010501	Other	215.78	Riverine	Bayou Land Conservancy	Bayou Land Conservancy	No	$ 49,041,000

FMS ID	FMS Name	Description	County	Watershed Name	FMS Type	FMS Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)
06-53-0000000075	Spring Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels below Lake Conroe and upstream of Spring Creek. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	Harris County, Waller County, Montgomery County, Grimes County		Other	452.91	Riverine	Bayou Land Conservancy	Bayou Land Conservancy	No	$ 39,845,000
06-53-0000000076	Lake Creek floodplain preservation	Partnerships to acquire/place conservation easements on high-quality floodplain parcels upstream of the West Fork San Jacinto River. This pre-disaster strategy enhances resilience and floodplain function per ASFPM best practices.	Montgomery County, Grimes County		Other	327.13	Riverine	Bayou Land Conservancy	Bayou Land Conservancy	No	$ 52,105,000
06-53-0000000077	Updates to San Jacinto River Authority Lake Conroe Reservoir Forecast Tool	Update to forecasting tool, including the incorporation of latest modeling analyses and methodologies, latest software, additional stream gauge data, and/or other improvements to increase accuracy and accessibility.	Montgomery County, Grimes County, Walker County		Flood Measurement and Warning	450.03	Riverine	San Jacinto River Authority	San Jacinto River Authority	No	$ 320,000
06-53-0000000078	San Jacinto River Watershed Gage Network Expansion	Install up to 42 rain/stream gages in Montgomery, Waller, Grimes, Walker, San Jacinto, and Liberty counties to enhance flood warning in the San Jacinto River Watershed.	Waller County, Liberty County, Montgomery County, Grimes County, San Jacinto County, Walker County		Flood Measurement and Warning	2,388.08	Riverine	San Jacinto River Authority	San Jacinto River Authority	No	$ 1,296,000
06-53-0000000079	Harris County Community Based Catastrophe Insurance	Community Based Catastrophe Insurance to reduce impact of flood damages in areas several feet deep in the floodplain where structural projects to reduce flooding are not cost effective	Harris County		Regulatory and Guidance	1,768.51	Riverine, Coastal	Harris County Flood Control District	Harris County Flood Control District	Yes	$ 1,533,000
06-53-0000000080	Harris County Flood Control District's Flood Warning System	The Harris County Flood Control District's Flood Warning System relies on 188 gage stations strategically placed throughout Harris County bayous and their tributaries that contain sensors that transmit flows and water levels during times of heavy rain	Harris County		Flood Measurement and Warning	1,768.51	Riverine, Coastal	Harris County Flood Control District	Harris County Flood Control District	No	$ 1,278,000
06-53-0000000081	City of Houston Green Infrastructure Program	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc.	Harris County, Brazoria County, Fort Bend County, Waller County, Montgomery County		Regulatory and Guidance	671.68	Riverine, Urban/Local	City of Houston	City of Houston	No	$ 10,000
06-53-0000000082	City of Houston Open Space Preservation	Acquire and preserve open spaces adjacent to floodplain areas.	Harris County, Brazoria County, Fort Bend County, Waller County, Montgomery County		Property Acquisition and Structural Elevation	671.68	Riverine, Coastal, Urban/Local	City of Houston	City of Houston	No	$ 1,000,000
06-53-0000000083	City of Houston- Harden Sewage Lift Stations	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Harris County, Brazoria County, Fort Bend County, Waller County, Montgomery County		Property Acquisition and Structural Elevation	671.68	Urban/Local	City of Houston	City of Houston	No	$ 250,000
06-53-0000000084	City of Houston Workorder Management System	Workorder Management System: Upgrade existing route management software to install and integrate a system to track the flow of service requests during extreme weather events.	Harris County, Brazoria County, Fort Bend County, Waller County, Montgomery County		Other	671.68	Riverine, Urban/Local	City of Houston	City of Houston	No	$ 1,000,000
06-53-0000000085	City of Houston- Harden Existing Critical Facilities	Relocating fire stations from the flood plain. Harden/retrofit critical facilities to hazard-resistant levels, Kingwood area	Harris County, Montgomery County	06-02-0401010502, 06-02-0401010501, 06-02-0401010404, 06-02-0401020213, 06-02-0401030110, 06-02-0401030205, 06-02-0401030402	Property Acquisition and Structural Elevation	43.28	Riverine, Urban/Local	City of Houston	City of Houston	No	$ 22,000,000
06-53-0000000086	City of Houston Retention Pond Ordinance	Adopt an ordinance to require retention ponds in all new developments and to validate retention ponds in existing high-risk flood areas.	Harris County, Brazoria County, Fort Bend County, Waller County, Montgomery County		Regulatory and Guidance	671.68	Riverine, Urban/Local	City of Houston	City of Houston	No	$ 5,000
06-53-0000000087	Cit of Baytown Education and Awareness Program	Educate residents on local hazards and safety steps through media, social media, flyers, and bulletins. Include weather alert links and department contacts with personnel info to help reduce injuries, fatalities, and property damage.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Education and Outreach	38.19	Urban/Local	City of Baytown	City of Baytown	No	$ 5,000
06-53-0000000088	City of Baytown Green Infrastructure Program	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc., implementing bioswales for parking lots and streets.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	38.19	Riverine, Urban/Local	City of Baytown	City of Baytown	No	$ 10,000
06-53-0000000089	City of Baytown Green Infrastructure Inclusion	Develop and implement policies that encourage the inclusion of green infrastructure into City Development Projects to mitigate natural hazards.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	38.19	Riverine, Urban/Local	City of Baytown	City of Baytown	No	$ 15,000
06-53-0000000090	City of Baytown Home Elevation and Acquisition Program	Implement a home elevation / home acquisition program to identify SRL/RL residential properties and grant funding opportunities to ensure compliance with local building codes, floodplain ordinance, and CRS requirements.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Property Acquisition and Structural Elevation	38.19	Riverine, Coastal, Urban/Local	City of Baytown	City of Baytown	No	$ 1,000,000
06-53-0000000091	City of Baytown- Harden Existing Critical Facilities	Enhance and elevate generators at identified critical city facilities, utilities, and infrastructure systems by replacing end of life equipment with natural-gas powered generators.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Infrastructure Projects	38.19	Riverine, Urban/Local	City of Baytown	City of Baytown	No	$ 1,000,000
06-53-0000000092	City of Baytown Emergency Operations Center Improvements	Improve and harden the Baytown Emergency Operations Center to include expansion, renovation, and upgrade to sustain emergency services and core city services.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Infrastructure Projects	38.19	Riverine, Urban/Local	City of Baytown	City of Baytown	No	$ 3,000,000
06-53-0000000093	City of Baytown Higher Standard Implementation	Review and where feasible implement higher standards that incorporate disaster resistant and hazard mitigation principles into local building codes, floodplain ordinances, and fire codes.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	38.19	Riverine, Coastal, Urban/Local	City of Baytown	City of Baytown	No	$ 125,000
06-53-0000000094	City of Baytown Structure Retrofitting and Relocation Program	Where appropriate, support retrofitting, purchase or relocation of structures located in hazard areas, prioritizing those that have experienced repetitive losses and/or are located in high- or medium-risk hazard areas.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Property Acquisition and Structural Elevation	38.19	Riverine, Coastal, Urban/Local	City of Baytown	City of Baytown	No	$ 1,000,000
06-53-0000000095	City of Baytown- Harden Sewer Lift Stations	Elevate Electronic Controls for Sewer Lift Stations 24" above 500- year NFIP Floodplain.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Property Acquisition and Structural Elevation	38.19	Riverine, Coastal, Urban/Local	City of Baytown	City of Baytown	No	$ 2,000,000
06-53-0000000096	City of Baytown Flood Hazard Public Education Program	Develop public education program for home owners on flood hazards and flood mitigation techniques to reduce flood damages to property.	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Education and Outreach	38.19	Urban/Local	City of Baytown	City of Baytown	No	$ 20,000
06-53-0000000097	City of Baytown Community Rating System Classification Improvement	Improve City of Baytown CRS Classification from Class 5 to Class 4	Chambers County, Harris County	06-02-0401040705, 06-02-0401040706, 06-02-0402030105, 06-02-0402030106, 06-02-0402030200	Regulatory and Guidance	38.19	Urban/Local	City of Baytown	City of Baytown	No	$ 50,000

FMS ID	FMS Name	Description	County	Watershed Name	FMS Type	FMS Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Strategy Cost ($)
06-53-0000000098	Brazoria Drainage District No. 4 New DCM Regulatory Guidelines	BDD4's 2013 drainage rules support safe development and require review every 5 years. A major update was made in July 2023, with minor amendments since. Continued updates are encouraged to align with current laws and improve consistency and efficiency.	Galveston County, Harris County, Brazoria County, Fort Bend County	06-02-0402040200, 06-02-0402040400, 06-02-0402040100	Regulatory and Guidance	86.52	Urban/Local	Brazoria Drainage District 4	Brazoria Drainage District 4	No	$ 50,000
06-53-0000000099	Dickinson Bayou Property Acquisition	Acquisition of undeveloped property from a willing seller to preserve floodplain storage & develop regional detention capacity to reduce future flood risks.	Galveston County, Harris County, Brazoria County	06-02-0402040200, 06-02-0402040100	Property Acquisition and Structural Elevation	25.52	Riverine, Urban/Local	Galveston County Consolidated Drainage District	Galveston County Consolidated Drainage District	No	$ 240,000
06-53-0000000100	Repetitive Loss Property Acquisition Prioritization	Identification and prioritization of repetitive loss structures based on current and future flood risk to support targeted buyout and elevation projects.	Galveston County, Harris County, Brazoria County	06-02-0402040200, 06-02-0402040100	Property Acquisition and Structural Elevation	25.52	Riverine, Urban/Local	Galveston County Consolidated Drainage District	Galveston County Consolidated Drainage District	Yes	$ 100,000

Table 18. Potentially feasible flcTable 18. Potentially feasible flood management strategies recommended by RFPG

		Flood Risk											Reduction in flood risk						
FMS ID	Non-recurring, Non-capital Cost ($)	Area in 1% annual Flood risk	Area in 0.2% annual Flood Risk	Estimated number of structures at 1% annual flood risk[B]	Residential structures at 1% annual flood risk	Estimated Population at 1% annual flood risk	Critical facilities at 1% annual flood risk (#)	Emergency facilities at 1% annual flood risk (#)	Number of low water crossings in project area at 1% annual flood risk (#)	Estimated length of roads at 1% annual flood risk (miles)	Estimated number of road closures (#)	Estimated active farm & ranch land at 1% annual flood risk (acres)[A]	Number of structures with reduced 1% annual Flood risk[B]	Number of structures removed from 1% annual Flood risk[B]	Number of structures removed from 0.2% annual Flood risk[B]	Residential structures removed from 1% annual Flood risk	Estimated Population removed from 1% annual Flood risk	Critical facilities removed from 1% annual Flood risk (#)	Number of low water crossings removed from 1% annual Flood risk (#)
06-53-0000000001	$ 180,000	2.96	0.50	6106	5712	27533	65	55	0	74.43	0	0	0	0	0	0	0	0	0
06-53-0000000004	$ 6,000	2.96	0.50	6106	5712	27533	65	55	0	74.43	0	0	0	0	0	0	0	0	0
06-53-0000000006	$ 6,100	0.46	0.32	441	425	1231	1	1	0	10.68	0	0	0	0	0	0	0	0	0
06-53-0000000007	$ 30,300	0.46	0.32	441	425	1231	1	1	0	10.68	0	0	0	0	0	0	0	0	0
06-53-0000000008	$ 6,100	936.32	274.52	565507	477205	2686031	6219	4723	531	12061.71	531	110209	0	0	0	0	0	0	0
06-53-0000000009	$ 18,200	936.32	274.52	565507	477205	2686031	6219	4723	531	12061.71	531	110209	0	0	0	0	0	0	0
06-53-0000000010	$ 6,100	936.32	274.52	565507	477205	2686031	6219	4723	531	12061.71	531	110209	0	0	0	0	0	0	0
06-53-0000000011	$ 30,300	936.32	274.52	565507	477205	2686031	6219	4723	531	12061.71	531	110209	0	0	0	0	0	0	0
06-53-0000000012	$ 1,500	6.10	2.77	1884	1214	3369	6	5	3	37.13	3	1526	0	0	0	0	0	0	0
06-53-0000000013	$ 1,200	219.65	54.33	33589	27612	75148	225	153	44	591.71	44	64045	0	0	0	0	0	0	0
06-53-0000000014	$ 600	43.17	2.09	23910	21117	65631	207	179	0	411.36	0	1081	0	0	0	0	0	0	0
06-53-0000000015	$ 6,100	220.93	44.47	72494	63397	155271	580	409	73	1424.43	73	31054	0	0	0	0	0	0	0
06-53-0000000016	$ 3,000	90.73	11.72	953	793	1327	7	7	30	60.14	30	17060	0	0	0	0	0	0	0
06-53-0000000017	$ 6,100	0.97	0.30	668	475	2935	2	1	0	12.47	0	14	0	0	0	0	0	0	0
06-53-0000000018	$ 3,000	220.84	44.46	72496	63398	155273	580	409	73	1424.17	73	31038	0	0	0	0	0	0	0
06-53-0000000019	$ 600	0.40	0.08	29	21	26	0	0	0	1.40	0	81	0	0	0	0	0	0	0
06-53-0000000020	$ 3,000	0.33	0.05	211	174	236	1	1	2	1.01	2	97	0	0	0	0	0	0	0
06-53-0000000021	$ 1,200	0.65	0.11	30	10	17	0	0	0	0.06	0	100	0	0	0	0	0	0	0
06-53-0000000022	$ 3,000	0.33	0.05	211	174	236	1	1	2	1.01	2	97	0	0	0	0	0	0	0
06-53-0000000023	$ 600	183.12	31.91	8634	5412	9817	30	23	18	360.79	18	41653	0	0	0	0	0	0	0
06-53-0000000025	$ 302,800	220.92	44.47	72494	63398	155271	580	409	73	1423.14	73	31058	0	0	0	0	0	0	0
06-53-0000000026	$ 1,500	0.14	0.01	50	49	79	0	0	0	0.01	0	0	0	0	0	0	0	0	0
06-53-0000000027	$ 7,400	90.70	11.72	953	793	1327	7	7	30	60.14	30	17057	0	0	0	0	0	0	0
06-53-0000000028	$ 2,100	0.14	0.01	50	49	79	0	0	0	0.01	0	0	0	0	0	0	0	0	0

FMS ID	Non-recurring, Non-capital Cost ($)	Area in 1% annual Flood risk	Area in 0.2% annual Flood Risk	Estimated number of structures at 1% annual flood risk[B]	Residential structures at 1% annual flood risk	Estimated Population at 1% annual flood risk	Critical facilities at 1% annual flood risk (#)	Emergency facilities at 1% annual flood risk (#)	Number of low water crossings in project area at 1% annual flood risk (#)	Estimated length of roads at 1% annual flood risk (miles)	Estimated number of road closures (#)	Estimated active farm & ranch land at 1% annual flood risk (acres)[A]	Number of structures with reduced 1% annual Flood risk[B]	Number of structures removed from 1% annual Flood risk[B]	Number of structures removed from 0.2% annual Flood risk[B]	Residential structures removed from 1% annual Flood risk	Estimated Population removed from 1% annual Flood risk	Critical facilities removed from 1% annual Flood risk (#)	Number of low water crossings removed from 1% annual Flood risk (#)
06-53-0000000031	$ 3,633,600	219.90	54.41	33594	27612	75154	225	153	44	591.80	44	64117	0	0	0	0	0	0	0
06-53-0000000032	$ 3,936,400	219.90	54.41	33594	27612	75154	225	153	44	591.80	44	64117	0	0	0	0	0	0	0
06-53-0000000033	$ 12,000	2.96	0.50	6106	5712	27533	65	55	0	74.43	0	0	0	0	0	0	0	0	0
06-53-0000000034	$ 1,200	219.90	54.41	33594	27612	75154	225	153	44	591.80	44	64117	0	0	0	0	0	0	0
06-53-0000000035	$ 1,200	43.82	5.89	501	314	390	1	0	11	24.16	11	12765	0	0	0	0	0	0	0
06-53-0000000036	$ 5,800	43.82	5.89	501	314	390	1	0	11	24.16	11	12765	0	0	0	0	0	0	0
06-53-0000000037	$ 60,600	43.82	5.89	501	314	390	1	0	11	24.16	11	12765	0	0	0	0	0	0	0
06-53-0000000039	$ 302,800	7.19	2.39	2282	1888	3353	13	8	5	26.47	5	1195	0	0	0	0	0	0	0
06-53-0000000040	$ 151,400	93.11	17.95	4037	2948	5853	4	1	17	134.68	17	41700	0	0	0	0	0	0	0
06-53-0000000041	$ 1,200	93.11	17.95	4037	2948	5853	4	1	17	134.68	17	41700	0	0	0	0	0	0	0
06-53-0000000042	$ 6,100	93.11	17.95	4037	2948	5853	4	1	17	134.68	17	41700	0	0	0	0	0	0	0
06-53-0000000043	$ 51,500	90.71	11.72	953	793	1327	7	7	30	60.14	30	17057	0	0	0	0	0	0	0
06-53-0000000044	$ 1,200	90.71	11.72	953	793	1327	7	7	30	60.14	30	17057	0	0	0	0	0	0	0
06-53-0000000045	$ 242,200	90.71	11.72	953	793	1327	7	7	30	60.14	30	17057	0	0	0	0	0	0	0
06-53-0000000046	$ 302,800	10.53	1.74	1058	596	3732	20	20	1	54.67	1	961	0	0	0	0	0	0	0
06-53-0000000047	$ 15,100	0.15	0.04	78	74	180	0	0	0	1.37	0	5	0	0	0	0	0	0	0
06-53-0000000048	$ 103,000	11.56	4.33	634	485	983	4	4	6	24.11	6	4011	0	0	0	0	0	0	0
06-53-0000000050	$ 6,100	0.15	0.01	50	49	79	0	0	0	0.01	0	0	0	0	0	0	0	0	0
06-53-0000000053	$ 121,100	7.19	2.39	2282	1888	3353	13	8	5	26.47	5	1195	0	0	0	0	0	0	0

FMS ID	Non-recurring, Non-capital Cost ($)	Area in 1% annual Flood risk	Area in 0.2% annual Flood Risk	Estimated number of structures at 1% annual flood risk[B]	Residential structures at 1% annual flood risk	Estimated Population at 1% annual flood risk	Critical facilities at 1% annual flood risk (#)	Emergency facilities at 1% annual flood risk (#)	Number of low water crossings in project area at 1% annual flood risk (#)	Estimated length of roads at 1% annual flood risk (miles)	Estimated number of road closures (#)	Estimated active farm & ranch land at 1% annual flood risk (acres)[A]	Number of structures with reduced 1% annual Flood risk[B]	Number of structures removed from 1% annual Flood risk[B]	Number of structures removed from 0.2% annual Flood risk[B]	Residential structures removed from 1% annual Flood risk	Estimated Population removed from 1% annual Flood risk	Critical facilities removed from 1% annual Flood risk (#)	Number of low water crossings removed from 1% annual Flood risk (#)
06-53-0000000054	$ 300	7.19	2.39	2282	1888	3353	13	8	5	26.47	5	1195	0	0	0	0	0	0	0
06-53-0000000055	$ 45,400	220.96	44.48	72496	63395	155271	580	409	72	1424.54	72	31059	0	0	0	0	0	0	0
06-53-0000000056	$ 600	43.78	2.10	22641	19884	65500	204	178	0	398.09	0	1081	0	0	0	0	0	0	0
06-53-0000000057	$ 4,800	43.78	2.10	22641	19884	65500	204	178	0	398.09	0	1081	0	0	0	0	0	0	0
06-53-0000000058	$ 6,100	0.46	0.32	441	425	1231	1	1	0	10.68	0	0	0	0	0	0	0	0	0
06-53-0000000059	$ 1,500	0.71	0.11	26	10	11	0	0	0	0.06	0	95	0	0	0	0	0	0	0
06-53-0000000060	$ 4,542,100	444.51	200.09	143642	120807	590954	2332	0	89	0.00	89	0	0	0	0	0	0	0	0
06-53-0000000061	$ 6,100	7.43	3.09	1916	1234	3407	6	5	3	40.63	3	1941	0	0	0	0	0	0	0
06-53-0000000062	$ 6,100	29.08	7.76	17760	15374	48554	145	133	13	367.75	13	3065	0	0	0	0	0	0	0
06-53-0000000063	$ 30,280,400	936.32	274.52	565507	477205	2686031	6219	4723	531	12061.71	531	110209	0	0	0	0	0	0	0
06-53-0000000064	$ 1,816,800	7.67	1.80	2718	2315	4426	25	23	9	65.67	9	811	0	0	0	0	0	0	0
06-53-0000000065	$ 30,300	183.21	31.91	8636	5413	9818	30	23	18	360.94	18	41661	0	0	0	0	0	0	0
06-53-0000000071	$ 2,200	27.17	7.31	1459	580	4495	26	1	2	44.14	2	4889	0	0	0	0	0	0	0
06-53-0000000072	$ 21,800	27.17	7.31	1459	580	4495	26	1	2	44.14	2	4889	0	0	0	0	0	0	0
06-53-0000000073	$ 7,700	27.17	7.31	1459	580	4495	26	1	2	44.14	2	4889	0	0	0	0	0	0	0
06-53-0000000074	$ 2,452,000	93.65	19.32	14016	11185	35376	145	120	16	400.76	16	8847	0	0	0	0	0	0	0

FMS ID	Non-recurring, Non-capital Cost ($)	Area in 1% annual Flood risk	Area in 0.2% annual Flood Risk	Estimated number of structures at 1% annual flood risk[B]	Residential structures at 1% annual flood risk	Estimated Population at 1% annual flood risk	Critical facilities at 1% annual flood risk (#)	Emergency facilities at 1% annual flood risk (#)	Number of low water crossings in project area at 1% annual flood risk (#)	Estimated length of roads at 1% annual flood risk (miles)	Estimated number of road closures (#)	Estimated active farm & ranch land at 1% annual flood risk (acres)[A]	Number of structures with reduced 1% annual Flood risk[B]	Number of structures removed from 1% annual Flood risk[B]	Number of structures removed from 0.2% annual Flood risk[B]	Residential structures removed from 1% annual Flood risk	Estimated Population removed from 1% annual Flood risk	Critical facilities removed from 1% annual Flood risk (#)	Number of low water crossings removed from 1% annual Flood risk (#)
06-53-0000000075	$ 1,992,300	148.53	35.52	21853	17986	68057	151	131	62	523.63	62	26340	0	0	0	0	0	0	0
06-53-0000000076	$ 2,605,300	88.45	10.18	1944	1508	2273	2	1	11	65.57	11	20643	0	0	0	0	0	0	0
06-53-0000000077	$ 16,000	122.23	13.26	5660	4712	11603	24	8	25	76.09	25	15541	0	0	0	0	0	0	0
06-53-0000000078	$ 64,800	519.49	116.69	27280	0	76613	130	0	102	0.00	102	0	0	0	0	0	0	0	0
06-53-0000000079	$ 76,700	441.92	200.10	143588	120752	976848	2132	0	84	0.00	84	0	0	0	0	0	0	0	0
06-53-0000000080	$ 63,900	441.92	200.10	143588	120752	976848	2132	0	84	0.00	84	0	0	0	0	0	0	0	0
06-53-0000000081	$ 500	368.28	110.78	288699	239272	1972920	3740	3040	373	6224.02	373	10087	0	0	0	0	0	0	0
06-53-0000000082	$ 50,000	368.28	110.78	288699	239272	1972920	3740	3040	373	6224.02	373	10087	0	0	0	0	0	0	0
06-53-0000000083	$ 12,500	368.28	110.78	288699	239272	1972920	3740	3040	373	6224.02	373	10087	0	0	0	0	0	0	0
06-53-0000000084	$ 50,000	368.28	110.78	288699	239272	1972920	3740	3040	373	6224.02	373	10087	0	0	0	0	0	0	0
06-53-0000000085	$ 1,100,000	29.90	3.73	8747	7933	26591	67	65	7	230.82	7	961	0	0	0	0	0	0	0
06-53-0000000086	$ 300	368.28	110.78	288699	239272	1972920	3740	3040	373	6224.02	373	10087	0	0	0	0	0	0	0
06-53-0000000087	$ 300	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000088	$ 500	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000089	$ 800	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000090	$ 50,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000091	$ 50,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000092	$ 150,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000093	$ 6,300	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000094	$ 50,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000095	$ 100,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000096	$ 1,000	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0
06-53-0000000097	$ 2,500	16.81	6.68	7800	6625	28930	145	99	13	274.92	13	921	0	0	0	0	0	0	0

FMS ID	Non-recurring, Non-capital Cost ($)	Area in 1% annual Flood risk	Area in 0.2% annual Flood Risk	Estimated number of structures at 1% annual flood risk[B]	Residential structures at 1% annual flood risk	Estimated Population at 1% annual flood risk	Critical facilities at 1% annual flood risk (#)	Emergency facilities at 1% annual flood risk (#)	Number of low water crossings in project area at 1% annual flood risk (#)	Estimated length of roads at 1% annual flood risk (miles)	Estimated number of road closures (#)	Estimated active farm & ranch land at 1% annual flood risk (acres)[A]	Number of structures with reduced 1% annual Flood risk[B]	Number of structures removed from 1% annual Flood risk[B]	Number of structures removed from 0.2% annual Flood risk[B]	Residential structures removed from 1% annual Flood risk	Estimated Population removed from 1% annual Flood risk	Critical facilities removed from 1% annual Flood risk (#)	Number of low water crossings removed from 1% annual Flood risk (#)
06-53-0000000098	$ 2,500	51.02	11.81	23677	19947	60130	158	145	27	442.01	27	8617	0	0	0	0	0	0	0
06-53-0000000099	$ 12,000	15.46	4.97	5033	4744	11835	24	24	10	130.69	10	3540	0	0	0	0	0	0	0
06-53-0000000100	$ 5,000	15.46	4.97	5033	4744	11835	24	24	10	130.69	10	3540	0	0	0	0	0	0	0

Table 18. Potentially feasible flcTable 18. Potentially feasible flood management strategies recommended by RFPG

FMS ID	Estimated length of roads removed from 1% annual flood risk (miles)	Estimated reduction in road closure occurrences	Estimated active farm & ranch land removed from 1% annual flood risk (acres)[A]	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Percent Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
06-53-0000000001	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000004	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000006	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000007	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000008	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000009	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000010	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000011	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000012	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000013	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000014	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000015	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000016	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000017	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000018	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000019	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000020	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000021	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000022	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000023	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000025	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000026	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000027	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000028	0.00	0	0.00	0	0	0	0	No	No	No

FMS ID	Estimated length of roads removed from 1% annual flood risk (miles)	Estimated reduction in road closure occurrences	Estimated active farm & ranch land removed from 1% annual flood risk (acres)[A]	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Percent Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
06-53-0000000031	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000032	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000033	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000034	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000035	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000036	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000037	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000039	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000040	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000041	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000042	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000043	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000044	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000045	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000046	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000047	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000048	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000050	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000053	0.00	0	0.00	0	0	0	0	No	No	No

FMS ID	Estimated length of roads removed from 1% annual flood risk (miles)	Estimated reduction in road closure occurrences	Estimated active farm & ranch land removed from 1% annual flood risk (acres)[A]	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Percent Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
06-53-0000000054	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000055	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000056	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000057	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000058	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000059	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000060	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000061	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000062	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000063	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000064	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000065	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000071	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000072	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000073	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000074	0.00	0	0.00	0	0	0	100	No	No	No

FMS ID	Estimated length of roads removed from 1% annual flood risk (miles)	Estimated reduction in road closure occurrences	Estimated active farm & ranch land removed from 1% annual flood risk (acres)[A]	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Percent Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
06-53-0000000075	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000076	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000077	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000078	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000079	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000080	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000081	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000082	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000083	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000084	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000085	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000086	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000087	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000088	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000089	0.00	0	0.00	0	0	0	100	No	No	No
06-53-0000000090	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000091	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000092	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000093	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000094	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000095	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000096	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000097	0.00	0	0.00	0	0	0	0	No	No	No

FMS ID	Estimated length of roads removed from 1% annual flood risk (miles)	Estimated reduction in road closure occurrences	Estimated active farm & ranch land removed from 1% annual flood risk (acres)[A]	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Cost/ Structure removed	Percent Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)
06-53-0000000098	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000099	0.00	0	0.00	0	0	0	0	No	No	No
06-53-0000000100	0.00	0	0.00	0	0	0	0	No	No	No