

Total Cost \$ 43,150,000
 Total Number of FMEs 102

Count	FME Name	Description	FME Study Area (sqmi)	Watershed	Bond ID	Estimated Study Cost
1	Spring Gully Watershed Planning Project Near-Term Planning Project: PA03	Planning-level study needed: to identify a strategy in O200-00-00 near O207-01-00 to reduce flooding.	32.7	Spring Gully	F-39	\$ 600,000
2	Spring Gully Watershed Planning Project- Near-term Planning Project: PA04	Planning-level study needed: to lower WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 channel modifications are combined with Thompson Road Storm drainage system improvements.	32.7	Spring Gully	F-39	\$ 250,000
3	Spring Gully Watershed Planning Project - Near-term planning project: PA05	Planning-level study needed: a stormwater detention basin near confluence of O207-00-00 and O207-01-00 required to lower WSEL.	32.7	Spring Gully	F-39	\$ 250,000
4	Carpenters Planning Study N110-00-00 Diversion to P103-00/P103-03	Feasibility study needed to evaluate a proposed interconnection from N110-00-00 to lower Greens Bayou	31.0	Carpenters Bayou	F-124	\$ 500,000
5	Regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management	Further study of regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management	1770.8	Countywide	Z-08	\$ 20,000,000
6	Lower Greens Feasibility Study	Feasibility study to identify recommended flood damage reduction measures to reduce the risk of flooding in the lower stretch of Greens Bayou. Potential solutions include channel conveyance improvements, detention, or bridge adjustments or replacements.	210.1	Greens Bayou	Z-03	\$ 1,000,000
7	Addicks Reservoir Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	138.0	Addicks Reservoir	New Study	\$ 670,000

8	Barker Reservoir Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	128.2	Barker Reservoir	New Study	\$ 620,000
9	Buffalo Bayou Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	101.5	Buffalo Bayou	New Study	\$ 650,000
10	Brays Bayou Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	128.2	Brays Bayou	New Study	\$ 650,000
11	Cypress Creek Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	266.2	Cypress Creek	New Study	\$ 1,230,000
12	Hunting Bayou Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	30.9	Hunting Bayou	New Study	\$ 1,000,000

13	Sims Bayou Watershed Study	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	93.2	Sims Bayou	New Study	\$ 800,000
14	White Oak Bayou Watershed Study	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	110.7	White Oak Bayou	New Study	\$ 800,000
15	Upper Greens Bayou Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	210.1	Greens Bayou	New Study	\$ 980,000
16	Brays Bayou - Poor Farm Ditch	Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyance, evaluated including Atlas 14 rainfall.	3.3	Brays Bayou	C-12	\$ 690,000
17	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	6.3	Brays Bayou	CI-038	\$ 1,020,000
18	Spring Creek - Construction of a Reservoir along Spring Creek	Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed	384.4	Spring Creek	C-50	\$ 870,000
19	White Oak Bayou - Turkey Gully E106-00-00	Develop BCA to become a FMP. Further study of channel modifications from partnership project to restore channel conveyance, evaluated using Atlas 14 rainfall.	6.8	White Oak Bayou	CI-030	\$ 1,330,000

20	Harris County Wide - Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	Further study for design and construction of stormwater detention basins on various City of Houston properties that may reduce the risk of flooding in the area	1770.8	Countywide	CI-026	\$ 500,000
21	Little Cypress Creek - L109-00-00	Further study of Flood Risk Reduction need identified for L109-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	5.6	Little Cypress Creek	New Study	\$ 200,000
22	Little Cypress Creek - L113-00-00	Further study of Flood Risk Reduction need identified for L113-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	15.0	Little Cypress Creek	New Study	\$ 300,000.00
23	Little Cypress Creek - L103-00-00	Further study of Flood Risk Reduction need identified for L103-00-00, L104-00-00, L105-00-00-00, and L122-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	5.2	Little Cypress Creek	New Study	\$ 150,000
24	Greens Bayou - P130-05-02	Further study of Flood Risk Reduction need identified for P130-05-02-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	0.1	Greens Bayou	New Study	\$ 150,000
25	Greens Bayou - P142-00-00	Further study of Flood Risk Reduction need identified for P142-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	1.6	Greens Bayou	New Study	\$ 250,000

26	San Jacinto River - G103-46-00	Further study of Flood Risk Reduction need identified for G103-46-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	1.1	San Jacinto River	New Study	\$ 200,000
27	San Jacinto River - G103-33-04	Further study of Flood Risk Reduction need identified for G103-33-04 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	1.1	San Jacinto River	New Study	\$ 200,000
28	San Jacinto River - G103-36-00	Further study of Flood Risk Reduction need identified for G103-36-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	10.0	San Jacinto River	New Study	\$ 750,000
29	Greens Bayou - P103-00-00	Further study of Flood Risk Reduction need identified for P103-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	5.5	Greens Bayou	New Study	\$ 300,000
30	Barker - T101-00-00	Further study of Flood Risk Reduction need identified for T101-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	17.3	Barker Reservoir	New Study	\$ 500,000
31	Barker - T103-00-00	Further study of Flood Risk Reduction need identified for T103-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	4.1	Barker Reservoir	New Study	\$ 300,000

32	Buffalo Bayou - W158-00-00	Further study of Flood Risk Reduction need identified for W158-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	1.5	Buffalo Bayou	New Study	\$ 200,000
33	Buffalo Bayou - W130-00-00	Further study of Flood Risk Reduction need identified for W130-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	1.0	Buffalo Bayou	New Study	\$ 100,000
34	Buffalo Bayou - W163-00-00	Further study of Flood Risk Reduction need identified for W163-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	1.4	Buffalo Bayou	New Study	\$ 200,000
35	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	15.5	Addicks Reservoir	C-46	\$ 30,000
36	Addicks Reservoir - Design and Construction of Dinner Creek Stormwater Detention Basin	Develop BCA to become a FMP. Project would provide additional stormwater detention in support of flood damage reduction and could reduce the risk of flooding for approximately 30 multi-family structures in Addicks Reservoir Watershed.	15.5	Addicks Reservoir	C-38	\$ 30,000
37	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek	SDevelop BCA to become a FMP. This project is part of the South Mayde Creek Plan to reduce flood risk 70+ homes & reduce the rainfall event by 340+ acres in pre-Atlas 1% rainfall event.	13.2	Addicks Reservoir	C-36	\$ 30,000

38	Armand Bayou - Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	Study to develop a BCA needed for this project to become a FMP. Design and Construction of this stormwater detention basin could reduce the risk of flooding for over 400 structures in an Atlas 14 1% rainfall event.	4.8	Armand Bayou	C-07	\$ 30,000
39	Armand Bayou Watershed-Basin Expansion and Extension and H&H Study (Phases 1 + 2)	Study to develop a BCA needed for this project to become a FMP. Channel modifications along B115-00-00 requires expansion of B500-04-00 and new detention property	1.1	Armand Bayou	F-99	\$ 30,000
40	Jackson Bayou Watershed Planning Project- R100-00-00	Develop BCA to become a FMP. Priority ranking #1, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Detention and limited channel conveyance improvements.	0.5	Jackson Bayou	F-107	\$ 30,000
41	I100-WP01 Vince Bayou Watershed Planning Project Recommendation	Study to develop a BCA required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry road on left bank of Vince Bayou.	2.1	Vince Bayou	F-104	\$ 30,000
42	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Study to develop a BCA required for this project to become a FMP. A project could reduce the risk flooding for over 2,500 structures and could reduce the frequency and duration of flooding along about 100 miles of roadway.	22.9	Brays Bayou	F-07	\$ 30,000
43	Carpenters Planning Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	Study to develop a BCA required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-foot detention facility providing drainage relief for this portion of the Cloverleaf Community.	0.7	Carpenters Bayou	New Study	\$ 30,000
44	Goose Creek Flood Risk Reduction Phase 1	Study to develop a BCA needed for this project to become a FMP. 1.65 Miles of Goose Creek channel modifications (Downstream of IH 10) with proposed detention basin "J"	6.2	Goose Creek	F-120	\$ 30,000

45	Goose Creek Flood Risk Reduction Phase 2	Study to develop a BCA needed for this project to become a FMP. 1.00 Mile of Goose Creek channel modifications (Upstream of IH 10) with proposed detention basin "I"	7.3	Goose Creek	F-120	\$ 30,000
46	Goose Creek Flood Risk Reduction Phase 3	Study to develop a BCA needed for this project to become a FMP. Local channel modifications and crossing structure improvements along O117 and O126	1.4	Goose Creek	F-120	\$ 30,000
47	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	Study to develop a BCA required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheet flow by providing positive drainage outfall for ~200 ac of land.	0.3	Spring Creek	F-119	\$ 30,000
48	Willow Creek Watershed Plan- Immediate: Selective Clearing BNRR to Mouth	Study to develop a BCA required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.	55.4	Willow Creek	F-106	\$ 30,000
49	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Study to develop BCA to become a FMP. Pursue purchase of property for regional detention, floodplain preservation, & habitat preservation.	55.4	Willow Creek	F-106	\$ 30,000
50	Willow Creek Watershed Plan- FM2920 Stormwater Detention Basin	Study to develop a BCA needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek	55.4	Willow Creek	F-106	\$ 30,000
51	Willow Creek Watershed Plan- Kuykendahl Basin	Study to develop a BCA needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek	55.4	Willow Creek	F-106	\$ 30,000
52	Willow Creek Watershed Plan- M121 Basin Stormwater Detention Basin	Study to develop a BCA needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary	55.4	Willow Creek	F-106	\$ 30,000

53	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.	1.1	Galveston Bay	F-98	\$ 30,000
54	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Study to develop a BCA to become FMP. This stormwater detention basin compliments the federal project on White Oak Bayou which will reduce the risk of flooding for 1,800 structures in an Atlas 14 1% rainfall event.	79.4	White Oak Bayou	C-16	\$ 30,000
55	Spring Gully Watershed Planning Project- Project Phase I	Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.	0.5	Goose Creek	F-120	\$ 30,000
56	Spring Gully Watershed Planning Project- Project Phase II	Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.	0.5	Goose Creek	F-120	\$ 30,000
57	Spring Gully Watershed Planning Project- Project Phase III	Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.	0.5	Goose Creek	F-120	\$ 30,000
58	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Study to develop a BCA needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.	0.8	Galveston Bay	F-98	\$ 30,000

59	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Develop BCA to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.	2.0	Galveston Bay	C-58	\$ 30,000
60	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.	0.5	Galveston Bay	F-98	\$ 30,000
61	TC Jester Detention Basin	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is \$10,047,910. this application is requesting \$10,000,000.00 of these funds.	92.8	Cypress Creek	CI-36	\$ 30,000
62	Halls Bayou Drainage Project Bond C-26 & C-27	Develop BCA to become a FMP. FIF application information unavailable.	44.4	Halls Bayou	C-26	\$ 30,000
63	Halls Bayou Drainage Project Bond C-01	Develop BCA to become a FMP. FIF application information unavailable.	44.4	Halls Bayou	C-01	\$ 30,000
64	Westador Stormwater Detention Basin	Develop BCA to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.	92.8	Cypress Creek	CI-36	\$ 30,000
65	Cypress Creek Implementation Plan - Various Detention Sites	Develop BCA to become a FMP. The Implementation Plan identifies that approximately 14,000 acre-feet of stormwater detention volume across 23 different sites reducing flooding risk.	118.4	Cypress Creek	CI-36	\$ 30,000

66	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Study to develop a BCA required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.	52.1	Little Cypress Creek	F-26	\$ 30,000
67	G103-38-00 (Kingwood Diversion Ditch)	Study to develop a BCA required for this to become a FMP. Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	21.7	San Jacinto River	F-14	\$ 30,000
68	G103-80-03.1B (Taylor Gully)	Develop BCA to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.	21.7	San Jacinto River	F-14	\$ 30,000
69	Goose Creek O119-00-00-P001 (Alt 2A1)	Study to develop a BCA needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates	0.2	Goose Creek	F-120	\$ 30,000
70	Goose Creek O119-00-00-P001 (Alt 2A3)	Study to develop a BCA needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost	0.2	Goose Creek	F-120	\$ 30,000
71	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	Develop BCA to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.	1.4	Sims Bayou	F-92	\$ 30,000

72	Greens Bayou (P100-00-00) Mid-Reach Channel Conveyance Improvements From John F. Kennedy Blvd to Veterans Memorial Drive (Ultimate Project (Alternative 3))	Develop BCA to become a FMP. 2,000 ac-ft proposed Hardy stormwater detention basin and channel conveyance improvements throughout the Green's Bayou Mid-Reach (From John F. Kennedy Blvd to Veterans Memorial Drive)	165.7	Greens Bayou	C-20	\$ 30,000
73	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.	1.0	Greens Bayou	C-43	\$ 30,000
74	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	Develop BCA to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou	28.4	Cedar Bayou	New Study	\$ 30,000
75	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	Develop BCA to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	198.3	Cedar Bayou	F-44	\$ 30,000
76	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou	18.7	Cedar Bayou	F-46	\$ 30,000
77	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	Develop BCA to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100	198.3	Cedar Bayou	F-43	\$ 30,000
78	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	Develop BCA to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942	198.3	Cedar Bayou	New Study	\$ 30,000
79	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960	198.3	Cedar Bayou	F-70	\$ 30,000

80	White Oak - SPT and E116 (E116-00-00) Improvements : PA01 thru PA-05	Develop BCA to become a FMP. The "E116-00-00 Flood Reduction Feasibility Study" was completed in March 2022 and provides a decrease riverine and urban flood risk in the area.	6.9	White Oak Bayou	Z-02	\$ 30,000
81	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.	44.4	Halls Bayou	C-23	\$ 30,000
82	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.	44.4	Halls Bayou	C-24	\$ 30,000
83	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 60+ structures & floodplain by 40+ acres.	44.4	Halls Bayou	C-25	\$ 30,000
84	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Develop BCA to become a FMP. Would reduce flood risk for 300+ structures, size of floodplain by 200+ acres. Facilitates future drainage projects by more outfall depth.	44.4	Halls Bayou	C-26	\$ 30,000
85	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.	44.4	Halls Bayou	C-28	\$ 30,000
86	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 150+ structures, size of the floodplain by 90+ acres, frequency & duration of flooding along 3+ miles of roadway in an Atlas 14 1% event.	44.4	Halls Bayou	C-30	\$ 30,000

87	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.	44.4	Halls Bayou	CI-006	\$ 30,000
88	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.	44.4	Halls Bayou	C-41	\$ 30,000
89	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.	4.9	Hunting Bayou	CI-031	\$ 30,000
90	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.	4.9	Hunting Bayou	CI-031	\$ 30,000
91	Luce Bayou (Z100-00-00-P026) Bypass Channel	Develop BCA to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief	74.9	Luce Bayou	F-108	\$ 30,000
92	Luce Bayou (Z100-00-00-P026) Channelization	Develop BCA to become a FMP. Construction of channel improvements along Luce main stem	74.9	Luce Bayou	F-108	\$ 30,000
93	Luce Bayou (Z100-00-00-P026) Upstream Detention	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County	74.9	Luce Bayou	F-108	\$ 30,000
94	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.	102.4	Clear Creek	CI-62	\$ 30,000

95	Clear Creek - Hughes Stormwater Detention (SWD) Basin	Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.	200.3	Clear Creek	F-02	\$ 30,000
96	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Develop BCA to become a FMP. Major maintenance to restore channel conveyance capacity.	200.3	Clear Creek	CI-003	\$ 30,000
97	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	15.5	Addicks Reservoir	C-47	\$ 30,000
98	Clear Creek Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project	197.0	Clear Creek	New Study	\$ 900,000
99	Halls Bayou Watershed Study	Watershed-wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to convert existing Halls Ahead Master Plan models to MAAPNXT and Atals 14 data to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project	45.0	Halls Bayou	New Study	\$ 750,000
100	Hunting Bayou H119-02-00	Further study of Flood Risk Reduction need identified for H119-02-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	2.0	Hunting Bayou	New Study	\$ 250,000

101	Hunting Bayou H126-00-00	Further study of Flood Risk Reduction need identified for H126-00-00 through the HCFCF 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	1.0	Hunting Bayou	New Study	\$ 150,000
102	San Jacinto River G103-00-00	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	50.0	San Jacinto River	New Study	\$ 1,000,000
					FME Total	\$ 43,150,000

Total Cost \$ 2,928,966,000
Total Number of FMPs 34

Count	FMP Name	Description	FMP Study Area (sqmi)	Watershed	Bond ID	Estimated Study Cost
1	Brays Bayou Watershed Flood Risk Reduction Projects	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharpstown (2018 Bond Project C-13)	N/A	Brays Bayou	C-13	\$ 107,061,000
2	Sims Bayou Flood Risk Reduction Projects	Sims Bayou CDBG MIT Application - South Post Oak SWDB C147/C547; South Shaver SWDB C506-01-00-E003; Salt Water Ditch SWDB & Channel Improvements C118-00-00 (2018 Bond Projects C-08, C-09, C-10)	N/A	Sims Bayou	C-08, C-09, C-10	\$ 99,653,000
3	Halls Bayou Flood Risk Reduction Projects	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT (2018 Bond Projects C-41, C-23, C-28, C-30, C-24, C-26, C-01)	N/A	Halls Bayou	C-01, C-23, C-24, C-26, C-28, C-30, C-41	\$ 99,653,000
4	E101-00-00 Flood Risk Reduction Project	Little White Oak Flood Risk Reduction Project	N/A	White Oak Bayou	F-09	\$ 120,015,000
5	Greens Mid-Reach Project	Greens Mid-Reach (2018 Bond Project C-20)	N/A	Greens Bayou	C-20	\$ 120,284,000
6	P118-25-00 and P118-25-01 Flood Risk Reduction Project	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01 (2018 Bond Project C-28)	N/A	Halls Bayou	C-28	\$ 28,100,000
7	P118-23-00 and P118-23-02 Flood Risk Reduction Project	Halls Bayou Drainage Project Bond C-26 & C-27 (P118-23-00 and P118-23-02) (2018 Bond Project C-26)	N/A	Halls Bayou	C-26	\$ 36,500,000

8	P118-27-00 Flood Risk Reduction Project	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00 (2018 Bond Project C-30)	N/A	Halls Bayou	C-30	\$ 16,600,000
9	D111-00-00 Flood Risk Reduction Project	Brays Bayou - Poor Farm Ditch (2018 Bond Project C-12)	N/A	Brays Bayou	C-12	\$ 31,000,000
10	P118-26-00 Flood Risk Reduction Project	Halls Bayou Drainage Project Bond C-01 : P118-26-00 (2018 Bond Project C-01)	N/A	Halls Bayou	C-01	\$ 22,300,000
11	O100-00-00 Flood Risk Reduction Project	Goose Creek Flood Risk Reduction (2018 Bond Project F-120)	N/A	Goose Creek	F-120	\$ 50,000,000
12	M500-10-00 Flood Risk Reduction Project	Willow Creek Watershed Plan - M120 Detention/Preservation Site (2018 Bond Project F-106)	N/A	Willow Creek	F-106	\$ 65,000,000
13	E500-24-00 Flood Risk Reduction Project	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin (2018 Bond Project C-16)	N/A	White Oak Bayou	C-16	\$ 42,600,000
14	U101-00-00 Flood Risk Reduction Project	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Detention for South Mayde Creek (2018 Bond Project C-36)	N/A	Addicks Reservoir	C-36	\$ 52,000,000
15	K500-23-00 Flood Risk Reduction Project	TC Jester Detention Basin - Basin K500-23 (2018 Bond Project CI-035)	N/A	Cypress Creek	CI-035	\$ 30,100,000
16	G103-38-00 Diversion Channel Flood Risk Reduction Project	G103-38-00 (Kingwood Diversion Ditch) (2018 Bond Project F-14)	N/A	San Jacinto River	F-14	\$ 82,300,000
17	G103-80-03.1B Flood Risk Reduction Project	G103-80-03.1B (Taylor Gully) (2018 Bond Project F-14)	N/A	San Jacinto River	F-14	\$ 46,500,000
18	D118-00-00 Flood Risk Reduction Project	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction Combination II (2018 Bond Project F-07)	N/A	Brays Bayou	F-07	\$ 190,000,000
19	K100-00-00 Flood Risk Reduction Project	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stuebner Airline Road (2018 Bond Projects CI-36 and CI-20)	N/A	Cypress Creek	CI-20, CI-36	\$ 345,300,000
20	K100-00-00 Flood Risk Reduction Project	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	N/A	Cypress Creek	CI-20, CI-36	\$ 549,400,000

21	B500-04-00 and B115-00-00 Flood Risk Reduction Project	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	N/A	Armand Bayou	F-99	\$ 9,400,000
22	B109-00-00 Flood Risk Reduction Project	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	N/A	Armand Bayou	C-07	\$ 32,100,000
23	A100-00-00 Flood Risk Reduction Project	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	N/A	Clear Creek	C-03, F-02	\$ 494,000,000
24	P118-00-00 Mainstem Flood Risk Reduction Project	P118-E006 (Hardy West) (2018 Bond Project C-41)	N/A	Halls Bayou	C-41	\$ 35,300,000
25	P118-00-00 Mainstem Flood Risk Reduction Project	P518-11-E002 (P118-21 Phase II Detention) (2018 Bond Project C-41)	N/A	Halls Bayou	C-41	\$ 13,000,000
26	P118-00-00 Mainstem Flood Risk Reduction Project	Mainstem Evaluation Projects - Veterens Memorial (2018 Bond Project C-41)	N/A	Halls Bayou	C-41	\$ 33,000,000
27	P118-00-00 Mainstem Flood Risk Reduction Project	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	N/A	Halls Bayou	C-41	\$ 36,800,000
28	P118-00-00 Mainstem Flood Risk Reduction Project	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	N/A	Halls Bayou	C-41	\$ 41,200,000
29	U501-06-00 Flood Risk Reduction Project	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek (Basin 1) (2018 Bond Project C-46)	N/A	Addicks Reservoir	C-46	\$ 16,500,000
30	U500-01-00 Flood Risk Reduction Project	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	N/A	Addicks Reservoir	C-37	\$ 2,600,000
31	U501-07-00 Flood Risk Reduction Project	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	N/A	Addicks Reservoir	C-48	\$ 11,400,000
32	U520-01-00 Flood Risk Reduction Project	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	N/A	Addicks Reservoir	C-38	\$ 32,400,000
33	N100-00-00 Mainstem Flood Risk Reduction Project	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	N/A	Carpenters Bayou	F-124	\$ 30,400,000

34	E116-00-00 Flood Risk Reduction Project	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	N/A	White Oak Bayou	Z-02	\$ 6,500,000
					FME Total	\$ 2,928,966,000