

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Associated Goals (ID) | Counties | HUC12s | Watersheds | Project Type | Project Area (sqmi) | Flood Risk Type (Riverine, Coastal, Urban, Playa, Other) | Sponsor | Entities with Oversight | Emergency Need (Y/N) | Estimated Project Cost (\$) | Potential Funding Sources and Amount | Flood Risk | | | | | | | | | | FMP ID |
|-----------|----------|-----------|--|---|-----------------------|-------------------|--|--|----------------|---------------------|--|----------|--|----------------------|-----------------------------|--------------------------------------|---|---|--|--------------------------------|-------------------------|---------------------------------------|---|---------------------------------|---|--|-----------|
| | | | | | | | | | | | | | | | | | Area in 100yr (1% annual chance) FldPln | Area in 500yr (0.2% annual chance) FldPln | Est number of structures at 100yr flood risk | Habitable struct at flood risk | Est Popul at flood risk | Critical facilities at flood risk (#) | Number of low water crossings at flood risk (#) | Est number of road closures (#) | Est length of roads at flood risk (Miles) | Est active farm & ranch land at flood risk (acres) | |
| 133000005 | 13 | Nueces | Jourdanton Drainage and Regional Detention Improvements, from SH-16 to Marion Road | Multiple detention ponds, proposed drainage channel, box culverts improvements near Main St and Terrel Ave, Jourdanton | 13000013 | Atascosa | 121101100402 | 13000427 | Channel | 0.11 | Riverine, Urban, | 13003116 | 00000096,00000255,00000290,13003116,13003452 | Y | \$ 2,182,000 | - | 0.02 | 0.00 | 9 | 9 | 27 | 0 | 6 | 8 | 0.4 | 0.2 | 133000005 |
| 133000013 | 13 | Nueces | FH#3.1: Channel lining and conveyance improvements along FM 1581 | Channel lining and conveyance improvements along FM 1581. | 13000013 | Frio | 121101061204 | 13000293 | Channel | 0.02 | Urban, | 13003230 | 13000093,00000255,00000290,13003230,13003452 | N | \$ 2,300,000 | - | 0.0198002 | 0 | 213 | 197 | 751 | 0 | 0 | 5 | 0.8197488 | 0.9028748 | 133000013 |
| 133000015 | 13 | Nueces | Burnt Boot Creek Drainage Improvements from Route 132 to Colonial Parkway | Two-phase project to improve drainage at Burnt Boot Creek in Devine, TX, including detention ponds and/or channel upsizing. | 13000013 | Medina | 121101090103 | 13000380 | Channel | 0.02 | Riverine, | 13003378 | 00000005,00000255,00000290,13003378,13003452 | N | \$ 12,635,000 | - | 0.0244287 | 0 | 586 | 564 | 1912 | 0 | 8 | 6 | 0.1015838 | 0 | 133000015 |
| 133000006 | 13 | Nueces | Rutledge Hollow Creek Tributary Regional Detention Pond Improvements | Proposed 15ac-ft detention pond in downtown Poteet, located at property owned by the City at corner of Avenue B and Kelly St. Pond outlet pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue C. | 13000013 | Atascosa | 121101100203 | 13000416 | Detention Pond | 0.14 | Riverine, | 13003118 | 00000096,00000255,00000290,13003118,13003452 | N | \$ 1,095,000 | - | 0.01 | 0.00 | 438 | 376 | 1748 | 0 | 0 | 6 | 0.2 | 0.0 | 133000006 |
| 133000010 | 13 | Nueces | FH#1.1: Regional detention pond in Davila Street Tributary | Regional detention pond in Davila Street Tributary. | 13000013 | Frio | 121101061204 | 13000293 | Detention Pond | 0.02 | Urban, | 13003230 | 13000093,00000255,00000290,13003230,13003452 | N | \$ 3,900,000 | - | 0.0177893 | 0 | 213 | 197 | 751 | 0 | 0 | 8 | 0.600494 | 0 | 133000010 |
| 133000012 | 13 | Nueces | FH#2.2: Detention ponds in the Pearsall High School Grounds | Detention ponds in the Pearsall High School Grounds. | 13000013 | Frio | 121101061204 | 13000293 | Detention Pond | 0.01 | | 13003230 | 13000093,00000255,00000290,13003230,13003452 | N | \$ 1,200,000 | - | 0.0067135 | 0 | 213 | 197 | 751 | 0 | 0 | 0 | 0 | 0 | 133000012 |
| 133000014 | 13 | Nueces | Downtown Crystal City Regional Detention Pond Improvements | Two proposed detention ponds and a 24" outfall system was used to mitigate the flooding issues in downtown Crystal City | 13000013 | Zavala | 121101040605 | 13000167 | Detention Pond | 0.11 | Riverine, Urban, | 13003432 | 13000092,00000268,00000290,13003432,13003452 | N | \$ 2,909,000 | - | 0.0337984 | 0 | 279 | 261 | 963 | 0 | 0 | 9 | 0.9828042 | 0 | 133000014 |
| 133000016 | 13 | Nueces | Kinney St. Pump Station Inlet Modifications | It is recommended that modifications be made to increase the size and capacity of the inlet to the Kinney Street Pump Station to improve its hydraulic efficiency. | 13000013 | Nueces | 121102020200,121102020106,121102020107 | 13000608,13000609,13000615,13000618,13000619,13000620,13000621,13000622,13000623 | Infrastructure | 0.54 | Riverine, Coastal, Urban, Other, | 13002900 | 13000078,00000260,00000290,13000409,13001739,13002900,13003452 | Y | \$ 499,000 | Type A Board Sales Tax - | 0.077705 | 0 | 63 | 6 | 5358 | 1 | 0 | 0 | 3.013833 | 0.02688 | 133000016 |
| 133000017 | 13 | Nueces | Power St. Pump Station Improvements | Improvements to the inlet of Power Street Pump Station will improve upstream drainage hydraulics throughout the basin. It is proposed to widen the inlet as much as possible to reduce head loss at the Power Station Inlet. | 13000013 | Nueces | 121102020200,121102020106,121102020107 | 13000608,13000609,13000615,13000618,13000619,13000620,13000621,13000622,13000623 | Infrastructure | 0.54 | Riverine, Coastal, Urban, Other, | 13002900 | 13000078,00000260,00000290,13000409,13001739,13002900,13003452 | Y | \$ 875,000 | Type A Board Sales Tax - | 0.077705 | 0 | 63 | 6 | 5358 | 1 | 0 | 0 | 3.013833 | 0.02688 | 133000017 |
| 133000018 | 13 | Nueces | Risk Area 06 - Agua Dulce | Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements will be needed. | 13000013 | Nueces, Jim Wells | 121102050506,121102050602 | 13000532,13000561 | Infrastructure | 4.21 | Riverine, Urban, | 13002546 | 13000078,13000080,00000260,00000290,13000409,13000779,13002546,13003452 | Y | \$ 93,479,760 | - | 2.7323279 | 0 | 215 | 191 | 813 | 1 | 0 | 28 | 8.810256 | 1428.5555 | 133000018 |
| 133000019 | 13 | Nueces | Risk Area 05 - Banquete | Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within the area causes overflow into Banquete Creek. | 13000013 | Nueces | 121102050506,121102050601 | 13000532,13000553 | Infrastructure | 4.51 | Riverine, Urban, | 13003454 | 13000078,00000260,00000290,13000409,13000779,13000940,13000980,13003452,13003454 | Y | \$ 64,693,200 | - | 2.1110344 | 0 | 178 | 148 | 744 | 22 | 0 | 25 | 5.1255145 | 1055.4982 | 133000019 |

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Associated Goals (ID) | Counties | HUC12s | Watersheds | Project Type | Project Area (sqmi) | Flood Risk Type (Riverine, Coastal, Urban, Playa, Other) | Sponsor | Entities with Oversight | Emergency Need (Y/N) | Estimated Project Cost (\$) | Potential Funding Sources and Amount | Flood Risk | | | | | | | | | | FMP ID |
|-----------|----------|-----------|--|---|-----------------------|----------|--|--|----------------|---------------------|--|----------|--|----------------------|-----------------------------|--------------------------------------|---|---|--|--------------------------------|-------------------------|---------------------------------------|---|---------------------------------|---|--|-----------|
| | | | | | | | | | | | | | | | | | Area in 100yr (1% annual chance) FldPln | Area in 500yr (0.2% annual chance) FldPln | Est number of structures at 100yr flood risk | Habitable struct at flood risk | Est Popul at flood risk | Critical facilities at flood risk (#) | Number of low water crossings at flood risk (#) | Est number of road closures (#) | Est length of roads at flood risk (Miles) | Est active farm & ranch land at flood risk (acres) | |
| 133000020 | 13 | Nueces | Risk Area 07 - La Paloma Ranch | Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 93. At a culvert crossing with creek B-17 & CR 93, flow overtops the road cutting off main route that connects La Paloma with FM 665. | 13000013 | Nueces | 121102050604,121102050602 | 13000558,13000561 | Infrastructure | 7.17 | Urban, | 13002388 | 13000078,00000260,00000290,13000409,13000779,13003452 | Y | \$ 23,031,510 | - | 4.3363781 | 0 | 13 | 13 | 39 | 4 | 0 | 7 | 1.5585934 | 2643.0698 | 133000020 |
| 133000021 | 13 | Nueces | Risk Area 26 - Balchuck Ln & Digger Ln | Many drainage issues from recent development and runoff from nearby streams cause flooding in the residential areas. | 13000013 | Nueces | 121102020105,121102020103 | 13000612,13000614 | Infrastructure | 1.44 | Riverine, Urban, | 13002900 | 13000078,00000260,00000290,13000409,13002900,13003452 | Y | \$ 19,160,010 | - | 0.7361056 | 0 | 57 | 57 | 171 | 0 | 0 | 3 | 1.391217 | 403.61954 | 133000021 |
| 133000022 | 13 | Nueces | Risk Area 27 - Nottingham Acres | Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow E but ponds up due to existing terrain. | 13000013 | Nueces | 121102020104,121102020105,121102020103 | 13000610,13000612,13000614 | Infrastructure | 5.23 | Riverine, Urban, | 13002900 | 13000078,00000260,00000290,13000409,13002900,13003452 | Y | \$ 49,134,992 | - | 1.736678 | 0 | 67 | 54 | 292 | 7 | 1 | 4 | 1.1771747 | 1002.9603 | 133000022 |
| 133000023 | 13 | Nueces | Risk Area 28 - South Prairie Estates | S Prairie Rd and Rabbit run are inundated by runoff from surrounding areas. | 13000013 | Nueces | 121102020104,121102020105,121102020103 | 13000610,13000612,13000614 | Infrastructure | 6.1 | Riverine, Urban, | 13002900 | 13000078,00000260,00000290,13000409,13002900,13003452 | Y | \$ 34,515,512 | - | 3.185009 | 0 | 32 | 31 | 103 | 29 | 2 | 8 | 1.4983708 | 1717.0046 | 133000023 |
| 133000024 | 13 | Nueces | Risk Area 19 - Driscoll | Initially water flows from Driscoll from S to N, flowing into Petronila Creek. Petronila Creek eventually flows N to S through Driscoll. Petronila splits W around Driscoll and through Driscoll heading E over Highway 77. | 13000013 | Nueces | 121102050604,121102050603 | 13000558,13000560 | Infrastructure | 7.09 | Riverine, Urban, | 13002389 | 13000078,00000260,00000290,13000384,13000409,13000779,13000940,13002389,13003452 | Y | \$ 73,965,664 | - | 4.0539212 | 0 | 311 | 242 | 1416 | 15 | 0 | 47 | 7.7870903 | 2102.0093 | 133000024 |
| 133000025 | 13 | Nueces | Risk Area 11 - Calicoate Farms | Runoff collects and passes over the area near the CO Rd 44 and FM 1694 intersection and surrounding structures before making it's way to Oso Creek and Ditch A to Oso Creek. | 13000013 | Nueces | 121102020102 | 13000613 | Infrastructure | 4.08 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000409,13000940,13000982,13002392,13002900,13003452 | Y | \$ 6,056,940 | - | 2.0726213 | 0 | 46 | 46 | 138 | 21 | 0 | 13 | 0.5 | 1118.5461 | 133000025 |
| 133000026 | 13 | Nueces | Risk Area 20 - Fiesta Ranch | The area is initially flooded through local runoff. Eventually flooding and backwater from Petronilla creek further inundates the area. | 13000013 | Nueces | 121102050605,121102050601 | 13000557,13000558,13000565 | Infrastructure | 6.71 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000384,13000409,13000779,13003452 | Y | \$ 35,398,560 | - | 3.676182 | 0 | 69 | 68 | 214 | 2 | 0 | 11 | 6.1953883 | 2134.4617 | 133000026 |
| 133000027 | 13 | Nueces | Risk Area 03 - Indian Trails | First peak of flooding primarily due to ponding and local drainage within Indian Trails subdivision. Second peak of flooding primarily due to stream flooding reaching the risk area with flow block by portions of FM 1833 and FM 666. | 13000013 | Nueces | 121101110704,121102050506 | 13000463,13000532 | Infrastructure | 5.04 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000409,13000779,13003452 | Y | \$ 33,392,340 | - | 2.9159145 | 0 | 51 | 50 | 160 | 8 | 0 | 6 | 1.8147951 | 1563.4366 | 133000027 |
| 133000028 | 13 | Nueces | Risk Area 01 - Ranch and Cyndie Park | Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low-lying area the neighborhood sits in. | 13000013 | Nueces | 121101110704,121102050506,121102050505 | 13000463,13000532,13000547 | Infrastructure | 7.23 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000409,13003452 | Y | \$ 421,681,184 | - | 5.3920851 | 0 | 104 | 104 | 312 | 4 | 0 | 14 | 7.6540308 | 2334.8569 | 133000028 |
| 133000029 | 13 | Nueces | Risk Area 04 - Ranch Banquette | Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke point. | 13000013 | Nueces | 121102050506 | 13000532 | Infrastructure | 2.58 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000409,13000779,13003452 | Y | \$ 55,453,800 | - | 0.965917 | 0 | 95 | 95 | 285 | 4 | 0 | 8 | 0.4626977 | 286.0787 | 133000029 |
| 133000030 | 13 | Nueces | Robstown Various Drainage Improvements (FH#8,10, 12) | Project consists of city wide drainage improvements to West, East, and North sections of Robstown, to include regional detention facilities and channel / culvert improvements. | 13000013 | Nueces | 121101110705,121101110707,121102050601,121102050604,121102050606,121102050603,121102050608,121102050607,121102020101,121102020102,121102020103 | 13000447,13000448,13000553,13000558,13000559,13000560,13000562,13000563,13000611,13000613,13000614 | Infrastructure | 132 | Riverine, Urban, | 13002392 | 13000078,00000260,00000290,13000409,13000779,13000940,13000982,13002390,13002392,13002900,13003452 | Y | \$ 56,307,272 | - | 66.826607 | 22.386492 | 3643 | 3597 | 11251 | 189 | 1 | 0 | 67.696655 | 37184.672 | 133000030 |

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Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Associated Goals (ID) | Counties | HUC12s | Watersheds | Project Type | Project Area (sqmi) | Flood Risk Type (Riverine, Coastal, Urban, Playa, Other) | Sponsor | Entities with Oversight | Emergency Need (Y/N) | Estimated Project Cost (\$) | Potential Funding Sources and Amount | Flood Risk | | | | | | | | | | FMP ID |
|-----------|----------|-----------|---|--|-----------------------|--------------|---|-------------------------------------|----------------|---------------------|--|----------|--|----------------------|-----------------------------|--------------------------------------|---|---|--|--------------------------------|-------------------------|---------------------------------------|---|---------------------------------|---|--|-----------|
| | | | | | | | | | | | | | | | | | Area in 100yr (1% annual chance) Fldpln | Area in 500yr (0.2% annual chance) Fldpln | Est number of structures at 100yr flood risk | Habitable struct at flood risk | Est Popul at flood risk | Critical facilities at flood risk (#) | Number of low water crossings at flood risk (#) | Est number of road closures (#) | Est length of roads at flood risk (Miles) | Est active farm & ranch land at flood risk (acres) | |
| 133000031 | 13 | Nueces | City of Gregory Citywide Stormwater Drainage Improvements | Includes ditch improvements for Southwest Outfall and the Southside Diversion, swale and culvert improvements on Black Welder Street, and drainage improvements along HWY 181 Frontage Rd, HWY 35, S. Gregory, and FM 3284. | 13000013 | San Patricio | 121004070403,121102010003,121004050203,121004050204 | 13000043,13000481,13000594,13000596 | Infrastructure | 5.64 | Riverine, Coastal, Urban, | 13002558 | 13000081,00000260,00000290,13000409,13000585,13000586,13002558,13003233,13003452 | Y | \$ 25,079,000 | - | 2.0529549 | 0 | 470 | 425 | 871 | 20 | 0 | 0 | 4.7563891 | 936.36096 | 133000031 |
| 133000033 | 13 | Nueces | Odem Citywide Stormwater Drainage Improvements | Includes ditch regrading along Borden St, expansion of Peters Swale, improvements to Owl Square Ditch and addition of subsurface detention, and drainage system improvements and expansion for Cooper Rd drainage system. | 13000013 | San Patricio | 121004070301,121004070302,121102010001 | 13000030,13000031,13000479 | Infrastructure | 7.47 | Riverine, Coastal, Urban, | 13003412 | 13000081,00000260,00000290,13000409,13000585,13000586,13003412,13003452 | Y | \$ 25,210,000 | - | 1.8223521 | 0 | 137 | 101 | 258 | 6 | 0 | 0 | 3.9464481 | 838.28992 | 133000033 |
| 133000035 | 13 | Nueces | Citywide Stormwater Drainage Improvements - Sinton | Includes drainage improvements for West Sinton, N Vineyard Ave, RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chico. | 13000013 | San Patricio | 121004070302,121004070304 | 13000031,13000046 | Infrastructure | 7.39 | Riverine, Urban, | 13002864 | 13000081,00000260,00000290,13000409,13000585,13002864,13003452 | Y | \$ 103,190,000 | - | 2.005466 | 0 | 1266 | 1059 | 2597 | 5 | 0 | 0 | 8.5975246 | 246.98688 | 133000035 |
| 133000037 | 13 | Nueces | Citywide Stormwater Drainage Improvements - Taft | Ditch improvements along Compress Rd, Industrial St, and in Taft Southwest subdivision, upsized stormsewer on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave. | 13000013 | San Patricio | 121004070403,121004070305 | 13000043,13000044 | Infrastructure | 5.32 | Riverine, Coastal, Urban, | 13002882 | 13000081,00000260,00000290,13000409,13000585,13000586,13002882,13003452 | Y | \$ 32,942,000 | - | 2.5945439 | 0 | 848 | 743 | 1933 | 0 | 1 | 0 | 5.5463672 | 1100.6412 | 133000037 |
| 133000007 | 13 | Nueces | City of Benavides Las Animas Conveyance Infrastructure | 4,000 linear feet, Clear out creek channel and upsize culverts to six 5-ft by 3-ft boxes. | 13000011,13000013 | Duval | 121102040102 | 13000489 | LWC upgrade | 0.01 | Riverine, | 13003410 | 13000079,00000260,13001666,13003410,13003452 | N | \$ 5,214,000 | - | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 2 | 2 | 0.0 | 0.0 | 133000007 |
| 133000009 | 13 | Nueces | CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County Project #8) | Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1520. Proposed solution of 12 - 42" x 30' RCPs and raising the roadway profile by approximately 1' in the structure vicinity. | 13000001 | Frio | 121101070207 | 13000335 | LWC upgrade | 0.01 | Riverine, Urban, | 13000093 | 13000093,00000255,00000290,13003452 | N | \$ 875,000 | - | 0.0060979 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 6500 | 133000009 |
| 133000038 | 13 | Nueces | Old Frio City Road at North Prong Creek Bridge | This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge. | 13000013 | Bexar | 121101100101 | 13000405 | LWC upgrade | 0.01 | Riverine, | 00000007 | 00000007,00000255,00000282,13003452 | N | \$ 3,018,000 | - | 0.005582 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 1 | 0 | 133000038 |
| 133000008 | 13 | Nueces | City of Benavides Main City Network Storm Drain Improvements | Clean filled-in trench drain and outfall channel, upsize existing pipes (7,900 linear feet), 12 new inlets. | 13000001,13000013 | Duval | 121102040103,121102040102 | 13000484,13000489 | Storm Drain | 0.3 | Urban, | 13003410 | 13000079,00000260,13001666,13003410,13003452 | N | \$ 8,617,000 | - | 0.04 | 0.00 | 49 | 46 | 168 | 0 | 0 | 14 | 0.9 | 0.2 | 133000008 |
| 133000011 | 13 | Nueces | FH#2.1: Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road | Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road. | 13000013 | Frio | 121101061204 | 13000293 | Storm Drain | 0.06 | Urban, | 13003230 | 13000093,00000255,00000290,13003230,13003452 | N | \$ 8,700,000 | - | 0.0433225 | 0 | 213 | 197 | 751 | 0 | 0 | 17 | 1.8202668 | 0 | 133000011 |

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Reduction in Flood Risk | | | | | | | | | | Pre-Project Level-of-Service | Post-Project Level-of-Service | Cost/Structure removed | Percent Nature-based Solution (by cost) | Negative Impact (Y/N) | Negative Impact Mitigation (Y/N) | Water Supply Benefit (Y/N) | Traffic Count for Low Water Crossings | Benefit-Cost Ratio | RFPG Recommendation (Y/N) | Reason for Recommendation | | |
|-----------|----------|-----------|--|---|---|---|---|---|---|--|--|---|---|--|------------------------------|-------------------------------|------------------------|---|-----------------------|----------------------------------|----------------------------|---------------------------------------|--------------------|---------------------------|---------------------------|--|---|
| | | | | | Number of struct with reduced 100yr (1% annual chance) Flood risk | Number of struct removed from 100yr (1% annual chance) Flood risk | Number of struct removed from 500yr (0.2% annual chance) Flood risk | Habitable struct removed from 100yr (1% annual chance) Flood risk | Est Population removed from 100yr (1% annual chance) Flood risk | Critical facilities removed from 100yr (1% annual chance) Flood risk (#) | Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#) | Est reduction in road closure occurrences | Est length of roads removed from 100yr flood risk (Miles) | Est active farm & ranch land removed from 100yr flood risk (acres) | | | | | | | | | | | | Est reduction in fatalities (if available) | Est reduction in injuries (if available) |
| 133000005 | 13 | Nueces | Jourdanton Drainage and Regional Detention Improvements, from SH-16 to Marion Road | Multiple detention ponds, proposed drainage channel, box culverts improvements near Main St and Terrel Ave, Jourdanton | 8 | 1 | 0 | 1 | 3 | 0 | 2 | 1 | 0 | 0.141616404 | 0 | 0 | <100 | 100 | 2182000 | 30 | N | | N | 211 | 0.699999988 | Y | Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, Close to FMP |
| 133000013 | 13 | Nueces | FH#3.1: Channel lining and conveyance improvements along FM 1581 | Channel lining and conveyance improvements along FM 1581. | 211 | 2 | 0 | 1 | 13 | 0 | 0 | 1 | 0 | 0.045909405 | 0 | 0 | <100 | 100 | 1150000 | 0 | N | | N | 0 | 0.300000012 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, |
| 133000015 | 13 | Nueces | Burnt Boot Creek Drainage Improvements from Route 132 to Colonial Parkway | Two-phase project to improve drainage at Burnt Boot Creek in Devine, TX, including detention ponds and/or channel upsizing. | 512 | 74 | 0 | 61 | 313 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 171000 | 0 | N | | N | 0 | 0.5 | Y | Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, No on-going flood study, |
| 133000006 | 13 | Nueces | Rutledge Hollow Creek Tributary Regional Detention Pond Improvements | Proposed 15ac-ft detention pond in downtown Poteet, located at property owned by the City at corner of Avenue B and Kelly St. Pond outlet pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue C. | 321 | 17 | 0 | 14 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 64000 | 0 | N | | N | 3445 | 3.799999952 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, |
| 133000010 | 13 | Nueces | FH#1.1: Regional detention pond in Davila Street Tributary | Regional detention pond in Davila Street Tributary. | 182 | 31 | 0 | 30 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 3900000 | 0 | N | | N | 0 | 1.700000048 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, |
| 133000012 | 13 | Nueces | FH#2.2: Detention ponds in the Pearsall High School Grounds | Detention ponds in the Pearsall High School Grounds. | 205 | 8 | 0 | 7 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 150000 | 0 | N | | N | 0 | 0.5 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, |
| 133000014 | 13 | Nueces | Downtown Crystal City Regional Detention Pond Improvements | Two proposed detention ponds and a 24" outfall system was used to mitigate the flooding issues in downtown Crystal City | 185 | 94 | 0 | 93 | 289 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 31000 | 0 | N | | N | 0 | 8.100000381 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, |
| 133000016 | 13 | Nueces | Kinney St. Pump Station Inlet Modifications | It is recommended that modifications be made to increase the size and capacity of the inlet to the Kinney Street Pump Station to improve its hydraulic efficiency. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | < 100-Year | < 100-Year | 499000 | | N | | N | | 0.071000002 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000017 | 13 | Nueces | Power St. Pump Station Improvements | Improvements to the inlet of Power Street Pump Station will improve upstream drainage hydraulics throughout the basin. It is proposed to widen the inlet as much as possible to reduce head loss at the Power Station Inlet. | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | < 100-Year | < 100-Year | 875000 | | N | | N | | 0.035 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000018 | 13 | Nueces | Risk Area 06 - Agua Dulce | Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements will be needed. | 164 | 41 | 0 | 39 | 137 | 0 | 0 | 2 | 3 | 103.4671936 | 0 | 0 | < 100-Year | < 100-Year | 2279994.25 | | N | | N | | 0.046 | Y | Sponsor Requested; Emergency Evacuation Route |
| 133000019 | 13 | Nueces | Risk Area 05 - Banquete | Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within the area causes overflow into Banquete Creek. | 82 | 86 | 0 | 74 | 74 | 0 | 0 | 2 | 0 | 156.7686005 | 0 | 0 | < 100-Year | < 100-Year | 752246.5 | | N | | N | | 0.07 | Y | Sponsor Requested; Emergency Evacuation Route |

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Reduction in Flood Risk | | | | | | | | | | Pre-Project Level-of-Service | Post-Project Level-of-Service | Cost/Structure removed | Percent Nature-based Solution (by cost) | Negative Impact (Y/N) | Negative Impact Mitigation (Y/N) | Water Supply Benefit (Y/N) | Traffic Count for Low Water Crossings | Benefit-Cost Ratio | RFPG Recommendation (Y/N) | Reason for Recommendation | |
|-----------|----------|-----------|--|---|---|---|---|---|---|--|--|---|---|--|------------------------------|-------------------------------|------------------------|---|-----------------------|----------------------------------|----------------------------|---------------------------------------|--------------------|---------------------------|---------------------------|---|
| | | | | | Number of struct with reduced 100yr (1% annual chance) Flood risk | Number of struct removed from 100yr (1% annual chance) Flood risk | Number of struct removed from 500yr (0.2% annual chance) Flood risk | Habitable struct removed from 100yr (1% annual chance) Flood risk | Est Population removed from 100yr (1% annual chance) Flood risk | Critical facilities removed from 100yr (1% annual chance) Flood risk (#) | Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#) | Est reduction in road closure occurrences | Est length of roads removed from 100yr flood risk (Miles) | Est active farm & ranch land removed from 100yr flood risk (acres) | | | | | | | | | | | | Est reduction in fatalities (if available) |
| 133000020 | 13 | Nueces | Risk Area 07 - La Paloma Ranch | Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 93. At a culvert crossing with creek B-17 & CR 93, flow overtops the road cutting off main route that connects La Paloma with FM 665. | 0 | 2 | 0 | 2 | 6 | 0 | 0 | 1 | 0 | 74.78546906 | 0 | 0 | < 100-Year | < 100-Year | 11515755 | N | N | | | 0.002 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000021 | 13 | Nueces | Risk Area 26 - Balchuck Ln & Digger Ln | Many drainage issues from recent development and runoff from nearby streams cause flooding in the residential areas. | 16 | 18 | 0 | 18 | 54 | 0 | 0 | 0 | 1 | 41.27039719 | 0 | 0 | < 100-Year | < 100-Year | 1064445 | N | N | | | 0.056000002 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000022 | 13 | Nueces | Risk Area 27 - Nottingham Acres | Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow E but ponds up due to existing terrain. | 48 | 13 | 0 | 13 | 39 | 0 | 0 | 0 | 0 | 59.66348648 | 0 | 0 | < 100-Year | < 100-Year | 3779614.5 | N | N | | | 0.032000002 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000023 | 13 | Nueces | Risk Area 28 - South Prairie Estates | S Prairie Rd and Rabbit run are inundated by runoff from surrounding areas. | 12 | 4 | 0 | 4 | 12 | 0 | 0 | 0 | 0 | 23.00584412 | 0 | 0 | < 100-Year | < 100-Year | 8628878 | N | N | | | 0.007 | Y | Sponsor Requested; High Risk Area |
| 133000024 | 13 | Nueces | Risk Area 19 - Driscoll | Initially water flows from Driscoll from S to N, flowing into Petronila Creek. Petronila Creek eventually flows N to S through Driscoll. Petronila splits W around Driscoll and through Driscoll heading E over Highway 77. | 212 | 70 | 0 | 42 | 406 | 0 | 0 | 2 | 1 | 34.22998047 | 0 | 0 | < 100-Year | < 100-Year | 1056652.25 | N | N | | | 0.032000002 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000025 | 13 | Nueces | Risk Area 11 - Callicoate Farms | Runoff collects and passes over the area near the CO Rd 44 and FM 1694 intersection and surrounding structures before making it's way to Oso Creek and Ditch A to Oso Creek. | 19 | 2 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 7.608707428 | 0 | 0 | < 100-Year | < 100-Year | 3028470 | N | N | | | 0.027000001 | Y | Sponsor Requested; High Risk Area |
| 133000026 | 13 | Nueces | Risk Area 20 - Fiesta Ranch | The area is initially flooded through local runoff. Eventually flooding and backwater from Petronilla creek further inundates the area. | 38 | 29 | 0 | 29 | 87 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | < 100-Year | < 100-Year | 1220640 | N | N | | | 0.063000001 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |
| 133000027 | 13 | Nueces | Risk Area 03 - Indian Trails | First peak of flooding primarily due to ponding and local drainage within Indian Trails subdivision. Second peak of flooding primarily due to stream flooding reaching the risk area with flow block by portions of FM 1833 and FM 666. | 44 | 6 | 0 | 6 | 18 | 0 | 0 | 0 | 0 | 51.73093414 | 0 | 0 | < 100-Year | < 100-Year | 5565390 | N | N | | | 0.022 | Y | Sponsor Requested |
| 133000028 | 13 | Nueces | Risk Area 01 - Ranch and Cyndie Park | Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low-lying area the neighborhood sits in. | 96 | 1 | 0 | 1 | 3 | 0 | 0 | 1 | 1 | 38.85055923 | 0 | 0 | < 100-Year | < 100-Year | 421681216 | N | N | | | 0.002 | Y | Sponsor Requested; High Risk Area |
| 133000029 | 13 | Nueces | Risk Area 04 - Ranch Banquette | Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke point. | 66 | 17 | 0 | 17 | 51 | 0 | 0 | 0 | 0 | 7.049866199 | 0 | 0 | < 100-Year | < 100-Year | 3261988.25 | N | N | | | 0.021 | Y | Sponsor Requested |
| 133000030 | 13 | Nueces | Robstown Various Drainage Improvements (FH#8,10, 12) | Project consists of city wide drainage improvements to West, East, and North sections of Robstown, to include regional detention facilities and channel / culvert improvements. | 3482 | 9 | 0 | 4 | 62 | 6 | 0 | 0 | 11 | 388.952301 | 0 | 0 | < 100-Year | < 100-Year | 6256363 | N | N | | | 0.824000001 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area |

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

| FMP ID | RFPG No. | RFPG Name | FMP Name | Description | Reduction in Flood Risk | | | | | | | | | | Pre-Project Level-of-Service | Post-Project Level-of-Service | Cost/Structure removed | Percent Nature-based Solution (by cost) | Negative Impact (Y/N) | Negative Impact Mitigation (Y/N) | Water Supply Benefit (Y/N) | Traffic Count for Low Water Crossings | Benefit-Cost Ratio | RFPG Recommendation (Y/N) | Reason for Recommendation | | | | |
|-----------|----------|-----------|---|--|---|---|---|---|---|--|--|---|---|--|------------------------------|-------------------------------|------------------------|---|-----------------------|----------------------------------|----------------------------|---------------------------------------|--------------------|---------------------------|---------------------------|--|--|---|--------------------------------|
| | | | | | Number of struct with reduced 100yr (1% annual chance) Flood risk | Number of struct removed from 100yr (1% annual chance) Flood risk | Number of struct removed from 500yr (0.2% annual chance) Flood risk | Habitable struct removed from 100yr (1% annual chance) Flood risk | Est Population removed from 100yr (1% annual chance) Flood risk | Critical facilities removed from 100yr (1% annual chance) Flood risk (#) | Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#) | Est reduction in road closure occurrences | Est length of roads removed from 100yr flood risk (Miles) | Est active farm & ranch land removed from 100yr flood risk (acres) | | | | | | | | | | | | Est reduction in fatalities (if available) | Est reduction in injuries (if available) | | |
| 133000031 | 13 | Nueces | City of Gregory Citywide Stormwater Drainage Improvements | Includes ditch improvements for Southwest Outfall and the Southside Diversion, swale and culvert improvements on Black Welder Street, and drainage improvements along HWY 181 Frontage Rd, HWY 25, S. Gregory, and FM 3284. | 379 | 31 | 0 | 30 | 100 | 9 | 0 | 0 | 0 | 3 | 247.0028839 | 0 | 0 | < 100-Year | < 100-Year | 809000 | 0 | N | N | | | 0.037 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area | |
| 133000033 | 13 | Nueces | Odem Citywide Stormwater Drainage Improvements | Includes ditch regrading along Borden St, expansion of Peters Swale, improvements to Owl Square Ditch and addition of subsurface detention, and drainage system improvements and expansion for Cooper Rd drainage system. | 36 | 60 | 0 | 59 | 187 | 0 | 0 | 0 | 0 | 2 | 136.3219147 | 0 | 0 | < 100-Year | < 100-Year | 420166.6563 | 0 | N | N | | | 0.027000001 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area | |
| 133000035 | 13 | Nueces | Citywide Stormwater Drainage Improvements - Sinton | Includes drainage improvements for West Sinton, N Vineyard Ave, RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chico. | 661 | 398 | 0 | 360 | 1460 | 3 | 0 | 0 | 0 | 4 | 5.840640068 | 0 | 0 | < 100-Year | < 100-Year | 259271.3594 | 0 | N | N | | | 0.068999998 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area | |
| 133000037 | 13 | Nueces | Citywide Stormwater Drainage Improvements - Taft | Ditch improvements along Compress Rd, Industrial St, and in Taft Southwest subdivision, upsized stormsewer on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave. | 635 | 115 | 0 | 102 | 436 | 0 | 0 | 0 | 0 | 1 | 230.8940735 | 0 | 0 | < 100-Year | < 100-Year | 286452.1875 | 0 | N | N | | | 0.088 | Y | Sponsor Requested; Emergency Evacuation Route; High Risk Area | |
| 133000007 | 13 | Nueces | City of Benavides Las Animas Conveyance Infrastructure | 4,000 linear feet, Clear out creek channel and upsize culverts to six 5-ft by 3-ft boxes. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 5214000 | 0 | N | N | 170 | | 0.200000003 | Y | Yes, High Risk Area, Low Water Crossing, Close to FMP | |
| 133000009 | 13 | Nueces | CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County Project #8) | Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1520. Proposed solution of 12 - 42" x 30' RCPs and raising the roadway profile by approximately 1' in the structure vicinity. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | <1 | 2 | 875000 | 0 | N | N | 20 | | 4.300000191 | Y | Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, Close to FMP | |
| 133000038 | 13 | Nueces | Old Frio City Road at North Prong Creek Bridge | This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 1 | 0 | 0 | 0 | 0 | Less than the 100 year | 100 year | 0 | 0.029999999 | N | #N/A | N | 945 | | 0.100000001 | Y | R12 HDR Identification Process |
| 133000008 | 13 | Nueces | City of Benavides Main City Network Storm Drain Improvements | Clean filled-in trench drain and outfall channel, upsize existing pipes (7,900 linear feet), 12 new inlets. | 24 | 25 | 0 | 24 | 82 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | <100 | 100 | 345000 | 0 | N | N | 0 | | 0.800000012 | Y | Yes, High Risk Area, Close to FMP | |
| 133000011 | 13 | Nueces | FH#2.1: Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road | Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road. | 212 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <100 | 100 | 8700000 | 0 | N | N | 0 | | 0.100000001 | Y | Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study, | |