

| Region Number | FMP ID | FMP Name | FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A* (Yes/No) | Negative Impact Description | Planning level Mitigation Plan (Yes/No) | Mitigation Plan Description | No Negative Impact Determination (Yes/No) | Basis of No Negative Impact Determination (Model, Study, Engineering Judgement) | Model ID | Model Name | Model Submitted |
|---------------|-----------|---|---|---|---|-----------------------------|---|---|----------|---|-----------------|
| 3 | 033000007 | Spring Meadows Estates Detention Pond Design | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 5.0.7 LongBranchFloodS.prj | Yes |
| 3 | 33000008 | West Irving Creek Phases 2, 3, and 4 | N | Increases WSE Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 5.0.7 WestIrvingCreek.prj | Yes |
| 3 | 033000016 | Arlington VC(A)-1 Drainage and Erosion Improvements | N | Increases WSE | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 5.0.3 VCA1.prj | Yes |
| 3 | 033000030 | Linwood-Lancaster/Foch | N | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | ICM Existing - Transportable_Trail_Drive_4_10_17.icmt Proposed - TransportableTrailDr_Linwood.icmt | Yes |
| 3 | 033000031 | Linwood-University Drive | N | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | ICM Existing - Transportable_Trail_Drive_4_10_17.icmt Proposed - Transportable_Linwood_2_27_17.icmt | Yes |

| FMP ID | FMP Name | Study Name and Location | Engineer of Record (Optional) | Engineering Judgement Description |
|-----------|---|--|-------------------------------|--|
| 033000007 | Spring Meadows Estates Detention Pond Design | <i>Long Branch Flood Study</i> , Freese and Nichols, Inc., April 2020 | - | N/A |
| 33000008 | West Irving Creek Phases 2, 3, and 4 | <i>West Irving Creek Drainage Improvements Comprehensive Planning Study</i> , Freese and Nichols, Inc., April 2022 | - | Increase in peak discharge is fully contained within the proposed channel and do not impact adjacent properties. Rise in WSE is in public park area and Sponsor has accepted this condition. Other alternatives were tested to avoid increase in WSE, but it would result in loss of park function. |
| 033000016 | Arlington VC(A)-1 Drainage and Erosion Improvements | <i>2019-10-16 VC(A)-1 Ultimate Conditions Report</i> . Freese and Nichols, Inc. October 2019 | - | The only rise in WSE within the FMP area occurs at the Sylvan Dr crossing (+0.31 ft). Yet, this rise is fully contained within the roadway right-of-way. |
| 033000030 | Linwood-Lancaster/Foch | <i>SWS 081 - Task Order 1 Lancaster/Foch Area Flood Mitigation</i> Dunaway Associates, August 2017 | - | The proposed project would connect to the existing storm drain system and reduce the overall flow across the project study area. However, this improvement results in an increase (approx. 620 cfs) in peak discharge at the outfall into the Clear Fork Trinity River. The elevation of the Clear Fork Trinity River floodplain must be considered when evaluating the hydraulic grade line along the proposed storm drain system. The Lancaster/Foch FMP area of interest is less than 0.25 square miles, but the contributing drainage area is close to 3 square miles -- which is a small fraction of the overall 90 square mile watershed of the Clear Fork Trinity River. Moreover, "with such a large difference between contributing areas, it is unlikely that there will be peak-on-peak conditions for the flood hydrographs of the Trinity River and the proposed storm drain system." (page 6 of the SWS 081 - Task Order 1 Lancaster/Foch Area Flood Mitigation) |
| 033000031 | Linwood-University Drive | <i>SWS 081 - Task Order 3 Linwood Park Flood Mitigation</i> Dunaway Associates, August 2017 | - | The proposed project would intercept the existing storm drain system and reduce flow across University Drive from 2,000 cfs to 200 cfs (90% reduction). However, this improvement results a significant increase (approx. 1,853 cfs) in peak discharge at the outfall to the West Fork of the Trinity River. This increase is due to the timing in which flow arrives to the outfall location. The stormwater volume discharging to the West Fork of the Trinity remains the same. The observed increase in peak discharge will not necessarily coincide with the 100-year peak flow at the West Fork of the Trinity at this outfall. A timing analysis (i.e. hydrologic analysis) may be required to ultimately determine if there is an increase to the 100-year peak discharge and WSELs at the West Fork. To that effect, the Linwood Park Flood Mitigation report indicates that the proposed condition includes "a storm drain discharge point into the West Fork Trinity River. Although the new relief storm drain would replace the existing, smaller storm drain at the outfall point, there will likely need to be coordination with the US Army Corps of Engineers (USACE) regarding discharge into the West Fork as the river is controlled by the levee system (potential Section 408 permitting). The discharge will also need to be coordinated with the Tarrant Regional Water District (TRWD)" (page 5 of Linwood Area Final Report Compiled 2017-0808). |

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| 3 | 033000032 | Zoo Creek Storm Drain Flood Mitigation (Sandage) | N | Increases Peak Discharge | Yes | Outfall structure mitigates flows; additional volume is stored in underground storm sewer | Yes | Model, Study | | ICM v 8.0 30149ZooExisting.icmt; 30149ZooCreekSD.icmt | Yes |
| 3 | 033000033 | Sunnyvale Urban Flooding Reduction Improvements – Area 1 | N | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | ICM 9.0.7 Existing - Geometry Name: Sunnyvale Phase 2; Scenario: Base Proposed - Geometry Name: Sunnyvale Phase 2; Scenario: Alternatives-1 | Yes |
| 3 | 033000036 | Sunnyvale Urban Flooding Reduction Improvements - Area 2 | N | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | ICM 9.0.7 Existing - Geometry Name: Phase3_Mesh1_1; Scenario: Base Proposed - Geometry Name: Phase3_Mesh1_1; Scenarios: Tripp Update; StormDrain Improvements; Jobson Improvements | Yes |
| 3 | 033000037 | Project 1 - Point North Parkway System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000038 | Project 4 - Big Horn Lane/Canyon Creek Drive system | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000039 | Project 6 - Valley Forge Street System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000040 | Project 8 - Lower Canyon Creek Drive System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000041 | Project 9 - Grandview Drive System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000042 | Project 16 - Valley Glen drive System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000043 | Project 19 – Pebblebrook Circle System | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSWMM v 2017.1.1 PC_Ex_rev.xp; PC_Alts_P21.xp | Yes |
| 3 | 033000044 | Project 2 – Campbell Road System | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.2 NAN_WATERSHED.hms HEC-RAS 4.1 Nantucket_Branch.prj XPSWMM v2017.1.1 Cotton_Ex.xp; Cotton_Alt2.xp | Yes |

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| 033000032 | Zoo Creek Storm Drain Flood Mitigation (Sandage) | <i>Zoo Creek Storm Drain Flood Mitigation Study</i> . Halff Associates Inc. November 2018 | - | |
| 033000033 | Sunnyvale Urban Flooding Reduction Improvements – Area 1 | <i>Town of Sunnyvale Stormwater Master Plan</i> , Freese and Nichols, Inc., November 2018 | - | Although there are noticeable increases in peak flow at the downstream outfall of the project, the increases to the 100-yr inundation boundary are minimal and do not affect any structures downstream. In most areas, the inundation has been reduced due to proposed drainage infrastructure and building inundation has been greatly reduced. Sheet flow that used to leave Tribb Road and flow south, has been concentrated to flow in the proposed channels. |
| 033000036 | Sunnyvale Urban Flooding Reduction Improvements - Area 2 | <i>Town of Sunnyvale Stormwater Master Plan</i> , Freese and Nichols, Inc., November 2018 | - | Although there are noticeable increases in peak flow at the downstream outfall of the project, the increases to the 100-yr inundation boundary are minimal and do not affect any structures downstream. In most areas, the inundation has been reduced due to proposed drainage infrastructure and building inundation has been greatly reduced. Flow is now concentrated to the east of Jobson Road and to the south of Tribb Road where there are no affected structures. |
| 033000037 | Project 1 - Point North Parkway System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000038 | Project 4 - Big Horn Lane/Canyon Creek Drive system | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000039 | Project 6 - Valley Forge Street System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000040 | Project 8 - Lower Canyon Creek Drive System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000041 | Project 9 - Grandview Drive System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000042 | Project 16 - Valley Glen drive System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000043 | Project 19 – Pebblebrook Circle System | <i>Prairie Creek Watershed Study Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |
| 033000044 | Project 2 – Campbell Road System | <i>Cottonwood Creek Watershed Capital Improvement Plan</i> . Halff Associates, Inc. March 2018 | - | N/A |

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| 3 | 033000045 | Project 6 – Wisteria Way Circle at Timberlake Circle | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.2 NAN_WATERSHED.hms HEC-RAS 4.1 Nantucket_Branch.prj XPSWMM v2017.1.1 Cotton_Ex.xp; Cotton_Alt2.xp | Yes |
| 3 | 033000062 | Hickory Creek Flood Protection - Alternative 1 | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 5.0.7 HC_34128.prj | Yes |
| 3 | 033000063 | Hickory Creek Flood Protection - Alternative 2 | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 5.0.7 HC_34128.prj | Yes |
| 3 | 033000064 | Hickory Creek Flood Protection - Alternative 3 | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 5.0.7 HC_34128.prj | Yes |
| 3 | 033000065 | Town Creek [Tarrant Ave, Warren St, Johnson Ave, Newton Dr] Safety Improvement | Y | N/A | N/A | N/A | Yes | Study | | N/A | |
| 3 | 033000067 | Ansley Dr. Storm Sewer System Improvement | Y | N/A | N/A | N/A | Yes | Model, Study | | PCSWMM 7.3.3095 | Yes |
| 3 | 033000068 | Main A pump station and conveyance improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 6.3.1 303_03.prj | Yes |
| 3 | 033000069 | Highland Ave. Drainage Improvements | Y | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | ICM 2021.6.1 Existing - Highland_2021_6-1.icmt (Base - 100yr) Proposed - Highland_2021_6-1.icmt (Alt3 - 100yr) | |
| 3 | 033000070 | Fairgrounds Detention Option 3 | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.2 PecanCreek.hms HEC-RAS 5.0.5 PecanCreekUnsteady.prj | Yes |
| 3 | 033000071 | Design/Construction for Holland Lake Spillway | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 4.1 HollandLakeBreach.prj | |

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| 033000045 | Project 6 – Wisteria Way Circle at Timberlake Circle | <i>Cottonwood Creek Watershed Capital Improvement Plan.</i> Halff Associates, Inc. March 2018 | - | N/A |
| 033000062 | Hickory Creek Flood Protection - Alternative 1 | <i>Hickory Creek Flood Protection Plan.</i> Halff Associates, Inc. July 2022 | - | N/A |
| 033000063 | Hickory Creek Flood Protection - Alternative 2 | <i>Hickory Creek Flood Protection Plan.</i> Halff Associates, Inc. July 2022 | - | N/A |
| 033000064 | Hickory Creek Flood Protection - Alternative 3 | <i>Hickory Creek Flood Protection Plan.</i> Halff Associates, Inc. July 2022 | - | N/A |
| 033000065 | Town Creek [Tarrant Ave, Warren St, Johnson Ave, Newton Dr] Safety Improvement | <i>Town Creek and Shannon Creek Master Drainage Plan - 2021 Update.</i> Freese and Nichols, Inc., 2021 | - | N/A |
| 033000067 | Ansley Dr. Storm Sewer System Improvement | <i>City of Westworth Village, TX Master Drainage Plan</i> Kimley-Horn, September 2021 | - | N/A |
| 033000068 | Main A pump station and conveyance improvements | <i>Memorandum: Main A Conveyance and Pump Station Improvements,</i> Freese and Nichols, January, 2023 | - | N/A |
| 033000069 | Highland Ave. Drainage Improvements | <i>Highland Improvements Technical Memorandum.</i> Freese and Nichols, January 2023 | - | There are increases in peak flow upstream between the crossings of Sycamore Street and Highland Avenue, but this is likely due to increase in pipe capacity as a result of the proposed storm drain improvements at this intersection. Additionally, there is an increase in WSELs downstream within the study area closer to the outfall of the project. These increases to the 100-yr inundation boundary are minimal and do not affect any structures downstream. In most areas, the inundation has been reduced due to proposed drainage infrastructure and the overall building inundation has been reduced. |
| 033000070 | Fairgrounds Detention Option 3 | <i>Pecan Creek and North Pecan Watershed Study & Alternatives Analysis.</i> Halff Associates, Inc. February 2021 | - | N/A |
| 033000071 | Design/Construction for Holland Lake Spillway | <i>Holland Lake Dam (TX09628) Hydrologic Assessment & Breach Analysis.</i> Freese and Nichols, Inc., October 2012 <i>Holland Lake Dam and Channel Improvements , 90% Design Plan Set,</i> Freese and Nichols, Inc., July 2017 | - | N/A |

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| 3 | 033000072 | Elkins Lake Dam Rehabilitation | N | Increases WSE | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 4.1 RUS_004.prj | |
| 3 | 033000073 | Bonneville/Greenbrook Drainage Improvement | N | Increases WSE | Yes | Additional culverts at d/s road crossing (Woodside Drive) and bank slope recutting allow storage for additional volume | Yes | Model, Study, Engineering Judgement | | HEC-HMS 3.5 Lower_Rush.hms HEC-RAS 5.0.3 RUS_005.prj XPSWMM 2018.1 ExistingConditions.xp; Alt-1 Proposed Conditions.xp | Yes |
| 3 | 033000074 | Lebow Flood Mitigation Project | Y | N/A | N/A | N/A | Yes | Model, Study | | HMS 3.2 Lebow_Schematic_Design.hms HEC-RAS 6.2 Lebow_SD.prj | Yes |
| 3 | 033000075 | Village Creek [Dobson St (CR 714)] Safety Improvements | Y | N/A | N/A | N/A | Yes | Study | | N/A | |
| 3 | 033000077 | White Settlement Rd. Storm Sewer System Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | PCSWMM 7.3.3095 | Yes |
| 3 | 033000078 | Main B pump station, detention, and conveyance improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 6.3.1 303_03.prj | Yes |
| 3 | 033000079 | Cordell Detention Pond (Rayzor Elementary School Pond) | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.2 PecanCreek.hms HEC-RAS 5.0.5 PecanCreekUnsteady.prj | Yes |
| 3 | 033000081 | Town Creek Warren Park Extension | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 6.0 Town2018.prj | |
| 3 | 033000082 | Project 18 - Waterview Dr. Re-route | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSTORMv2020.1 WF_EX_Losses_.xp; WF_Alt_2.xp | Yes |
| 3 | 033000083 | Pumphrey Dr. Storm Sewer System Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | PCSWMM 7.3.3095 | Yes |
| 3 | 033000084 | Channel and Crossing Improvements on Redmond Creek south of the City of Ames | N | Increases Peak Discharge | No | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3.1 303_03.prj | Yes |

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| 033000072 | Elkins Lake Dam Rehabilitation | <i>Proposed Modifications to Lake Elkins Dam on RUS004 Tributary to Rush Creek</i> . Freese and Nichols Inc., February 2023. | - | Apartment buildings located along Spanish Trail are not flooded and maintain a freeboard of more than 5 ft in proposed conditions. Water surface elevations (WSE) are increased by up to 0.41 ft; however, this does not cause any adverse impacts to insurable structures or means of ingress/egress. More than 2.5 ft of freeboard to the bottom of the bridge deck remains at Spanish Trail in proposed conditions in the 100-year storm. City of Arlington granted a variance for increasing WSE more than allowed by their local criteria. |
| 033000073 | Bonneville/Greenbrook Drainage Improvement | <i>Bonneville/Greenbrook Neighborhood Drainage Study (PWDR 16009)</i> Teague, Nall, and Perkins, December 2020 | - | Any remnant WSE increases are within the City-owned drainage easement |
| 033000074 | Lebow Flood Mitigation Project | <i>2004 CIP - Stream WF-4 Lebow Channel Schematic Plan Summary Report.</i> Teague Nall and Perkins, October 2010 | - | N/A |
| 033000075 | Village Creek [Dobson St (CR 714)] Safety Improvements | <i>Willow Creek and Village Creek Master Drainage Plan - 2023 Update.</i> Freese and Nichols, Inc., January 2023 | - | N/A |
| 033000077 | White Settlement Rd. Storm Sewer System Improvements | <i>City of Westworth Village, TX Master Drainage Plan</i> Kimley-Horn, September 2021 | - | N/A |
| 033000078 | Main B pump station, detention, and conveyance improvements | <i>Memorandum: Main B Conveyance and Pump Station Improvements,</i> Freese and Nichols, January, 2023 | - | N/A |
| 033000079 | Cordell Detention Pond (Rayzor Elementary School Pond) | <i>Pecan Creek and North Pecan Watershed Study & Alternatives Analysis</i> . Halff Associates, Inc. February 2021 | - | N/A |
| 033000081 | Town Creek Warren Park Extension | <i>Town Creek and Shannon Creek Master Drainage Plan - 2021 Update.</i> Freese and Nichols, Inc., 2021 | - | N/A |
| 033000082 | Project 18 - Waterview Dr. Re-route | <i>West Fork of Cottonwood Creek Capital Improvement Projects (CIPs)</i> LJA Engineering, August 2022 | - | N/A |
| 033000083 | Pumphrey Dr. Storm Sewer System Improvements | <i>City of Westworth Village, TX Master Drainage Plan</i> Kimley-Horn, September 2021 | - | N/A |
| 033000084 | Channel and Crossing Improvements on Redmond Creek south of the City of Ames | <i>Memorandum: Channel and Crossing Improvements on Redmond Creek south of the City of Ames,</i> Freese and Nichols, January, 2023 | - | There are minor increases to peak flows downstream of FM 160 in the 10-year and 100-year events, but these changes are merely 0.15% and 0.5% increases in peak flows. It is anticipated that as the design progresses these minor increases in flows can be removed by further refining the proposed improvements. |

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| 3 | 033000085 | Harvest Hills Channel and Drainage Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 3.5 Fish_Div_Sept_2014.hms HEC-RAS 4.1.0 FISH_CREEK_FEB_2015.prj XPSTORM 2017.2.1 HarvestHills.xp | Yes |
| 3 | 033000086 | Project 8a - Cheyenne Dr | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSTORMv2020.1 WF_EX_Losses_.xp; WF_Alt_2.xp | Yes |
| 3 | 033000087 | Johnson Creek - Arkansas Lane and Pioneer Parkway Buyout at Johnson Creek | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 4.1.0 JCRevised.prj | Yes |
| 3 | 033000088 | Project 13 - Mimosa & Melrose Dr | Y | N/A | N/A | N/A | Yes | Model, Study | | XPSTORMv2020.1 WF_EX_Losses_.xp; WF_Alt_2.xp | Yes |
| 3 | 033000089 | Arlington Johnson Creek - Collins Street and Division Street Buyout | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 4.1.0 JCRevised.prj | Yes |
| 3 | 033000090 | Town Creek Railroad and S. Warren Street Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 6.0 Town2018.prj | |
| 3 | 033000091 | Saturn Springs Estates Drainage Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-RAS 5.0.7 Stream2C3.prj XP Storm 2019.1.3 2DSS_Option2_revGO.xp | Yes |
| 3 | 033000092 | Terrell KC1 Watershed Drainage Improvements | N | Increases WSE Increases Peak Discharge | Yes | N/A | Yes | Model, Study, Engineering Judgement | | ICM 9.0 TER17602_ICM 9.0.icmt Existing Geometry: East EX/ULT & Virginia EX/ULT Proposed Geometry: East ALT & Virginia ALT HEC-RAS 5.0.7 KC1.prj Existing Geometry: Existing Proposed Geometry: Proposed w_ RR and Blanche | Yes |
| 3 | 033000094 | Lois Branch Main Channel Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 3.0.1 RichardsonCIP.hms HEC-RAS 6.0.1 LoisBranch.prj | Yes |
| 3 | 033000095 | DMP Phase 1: Kirven Avenue (Project 1) | N | Increases WSE Increases Peak Discharge | Yes | N/A | Yes | Model, Study, Engineering Judgement | | ICM 2021.6 Model Name: Kirven.icmt Existing : Kirven Existing Proposed : Kirven Replace | Yes |
| 3 | 033000096 | Estates Drive Bridge Replacement | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.8 CPP20403.hms HEC-RAS 5.0.7 PoindexterBranch.prj | Yes |

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| 033000085 | Harvest Hills Channel and Drainage Improvements | <i>Harvest Hills and Briar Meadow Neighborhood Drainage Study.</i> Westra Consultants, April 2019 | - | N/A |
| 033000086 | Project 8a - Cheyenne Dr | <i>West Fork of Cottonwood Creek Capital Improvement Projects (CIPs)</i> LJA Engineering, August 2022 | - | N/A |
| 033000087 | Johnson Creek - Arkansas Lane and Pioneer Parkway Buyout at Johnson Creek | <i>Johnson Creek Watershed Study Task 6 Project Prioritizing.</i> Jacobs Engineering Group Inc. February | - | N/A |
| 033000088 | Project 13 - Mimosa & Melrose Dr | <i>West Fork of Cottonwood Creek Capital Improvement Projects (CIPs)</i> LJA Engineering, August 2022 | - | N/A |
| 033000089 | Arlington Johnson Creek - Collins Street and Division Street Buyout | <i>Johnson Creek Watershed Study Task 6 Project Prioritizing.</i> Jacobs Engineering Group Inc. February 2017 | - | N/A |
| 033000090 | Town Creek Railroad and S. Warren Street Improvements | <i>Town Creek and Shannon Creek Master Drainage Plan - 2021 Update.</i> Freese and Nichols, Inc., 2021 | - | N/A |
| 033000091 | Saturn Springs Estates Drainage Improvements | <i>Saturn Springs Estates Drainage Improvements.</i> O'Brien Engineering, Inc. October 2021 | - | N/A |
| 033000092 | Terrell KC1 Watershed Drainage Improvements | <i>Drainage Master Plan: KC1 Channel Improvements</i> , City of Terrell, Freese and Nichols, Inc., June 2020 | - | The combined improvements in this watershed are expected to increase discharges downstream; however, these flows are discharged to an engineered channel that has the necessary additional capacity. Additionally, the area downstream of the engineered channels is generally undeveloped land in existing conditions. |
| 033000094 | Lois Branch Main Channel Improvements | <i>Floyd Branch Watershed Capital Improvement Plan.</i> Freese and Nichols. April 2010 | - | N/A |
| 033000095 | DMP Phase 1: Kirven Avenue (Project 1) | <i>City of Waxahachie Drainage Master Plan: Kirven Avenue Project Area</i> , Freese and Nichols, Inc., May 2020 | - | The proposed improvements increase the water surface elevation at the outfall near the intersection of Marvin Ave and Harbin Ave. However, comparative analysis demonstrates that this increase does not affect any properties and/or structures. Furthermore, the proposed storm drain improvements both upstream and downstream are sized to contain the increases in peak discharge. |
| 033000096 | Estates Drive Bridge Replacement | <i>Poindexter Branch Master Drainage Study.</i> Teague, Nall, and Perkins | - | N/A |

| Region Number | FMP ID | FMP Name | FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A* (Yes/No) | Negative Impact Description | Planning level Mitigation Plan (Yes/No) | Mitigation Plan Description | No Negative Impact Determination (Yes/No) | Basis of No Negative Impact Determination (Model, Study, Engineering Judgement) | Model ID | Model Name | Model Submitted |
|---------------|-----------|--|---|-----------------------------|---|-----------------------------|---|---|----------|---|-----------------|
| 3 | 033000097 | PEC-4 Phases 3&4 | N | Increases Peak Discharge | N | N/A | Yes | Model, Study, Engineering Judgement | | XPSTORM 2021.3 PEC4_Ph_3_4_Tc30_8x18_updated_v2_Bernard_30Perc_NoRelic_Detailed_Ph4opt_60perc_v2_ph12_11_10.xp | |
| 3 | 033000098 | Kingstree Rd Drainage Improvements | N | Increases WSE | No | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3 Kingstree.prj | Yes |
| 3 | 033000100 | Arlington Upper Village VC(A)-5 Channel and Culvert Improvements | Y | N/A | N/A | N/A | Yes | Model, Study | | HEC-HMS 4.2.1 VCA_5.hms HEC-RAS 5.0.7 VC(A)5.prj | Yes |
| 3 | 033000101 | Channel improvement on Brockbank Channel Basin north of SH 183 | N | Increases Peak Discharge | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 5.0.7 Brockbank.prj | Yes |
| 3 | 033000107 | Plantation Ridge Channel Improvements | Y | N/A | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3 PraireMeadow.prj | Yes |
| 3 | 033000108 | CR-243 Drainage Improvements | N | Increases WSE | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3 GunRange.prj | Yes |
| 3 | 033000109 | Valley View/Ravenhill-Devonshire Drainage Improvements | Y | N/A | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3 ValleyView.prj | Yes |
| 3 | 033000110 | CR-4116 Drainage Improvements | Y | N/A | N/A | N/A | Yes | Model, Study, Engineering Judgement | | HEC-RAS 6.3 CR4116.prj | Yes |

*TWDB Technical Guidance - Exhibit C Section 3.6.A

**Additional details regarding nature of impacts and reasoning for accepting impacts based on engineering judgment is included in individual project descriptions (See Appendix F)

| FMP ID | FMP Name | Study Name and Location | Engineer of Record (Optional) | Engineering Judgement Description |
|-----------|--|--|-------------------------------|--|
| 033000097 | PEC-4 Phases 3&4 | <i>PEC-4 Phases 1-4 Drainage Improvements - Drainage Report</i> , Freese and Nichols, Inc., May 2018 | - | Proposed improvements cause the peak discharge at the outfall to increase. The report indicates that the channel and culvert capacities downstream of SH 183 are adequate to receive this increase in discharge. A conservative 100-yr tailwater condition was adopted for the design of Phases 1 and 2, which were designed with sufficient capacity to add Phases 3 and 4 in the future. |
| 033000098 | Kingstree Rd Drainage Improvements | <i>Draft Report: Kaufman County FIF - Countywide Drainage Study</i> . Freese and Nichols, April, 2023. | - | WSE increases above 0.35 ft are contained within a small portion of the drainage ditch on the north side of the roadway. All other affected areas, including residential structures, experience a decreases in WSE or an increase below 0.35 ft. |
| 033000100 | Arlington Upper Village VC(A)-5 Channel and Culvert Improvements | <i>Upper Village Creek & Trinity River Tributaries Watershed Studies PWDR17003(A)</i> Pacheco Koch, January 2021 | - | N/A |
| 033000101 | Channel improvement on Brockbank Channel Basin north of SH 183 | <i>Brockbank Channel Alignment Study</i> , Pacheco Koch Consulting Engineers, Inc., July 2022 | - | These channel and culvert improvements cause the peak downstream discharge to increase from 1420 cfs to 1780 cfs at SH 183. The report notes that the channel and culvert capacities downstream of SH 183 are adequate to receive this increase in discharge. |
| 033000107 | Plantation Ridge Channel Improvements | <i>Draft Report: Kaufman County FIF - Countywide Drainage Study</i> . Freese and Nichols, April, 2023. | - | N/A |
| 033000108 | CR-243 Drainage Improvements | <i>Draft Report: Kaufman County FIF - Countywide Drainage Study</i> . Freese and Nichols, April, 2023. | - | All impacts are located upstream of the roadway and cause rises in WSE outside of the County easement. It is anticipated that nearby property owners will be notified of impacts prior to construction. There are no significant increases to WSE at upstream structures, and all increases at upstream structures are less than 0.35 ft. |
| 033000109 | Valley View/Ravenhill-Devonshire Drainage Improvements | <i>Draft Report: Kaufman County FIF - Countywide Drainage Study</i> . Freese and Nichols, April, 2023. | - | N/A |
| 033000110 | CR-4116 Drainage Improvements | <i>Draft Report: Kaufman County FIF - Countywide Drainage Study</i> . Freese and Nichols, April, 2023. | - | N/A |

ical Guidance - Exhibit C Section 3.6.A

**Additional details regarding nature of impacts and reasoning for accepting impac