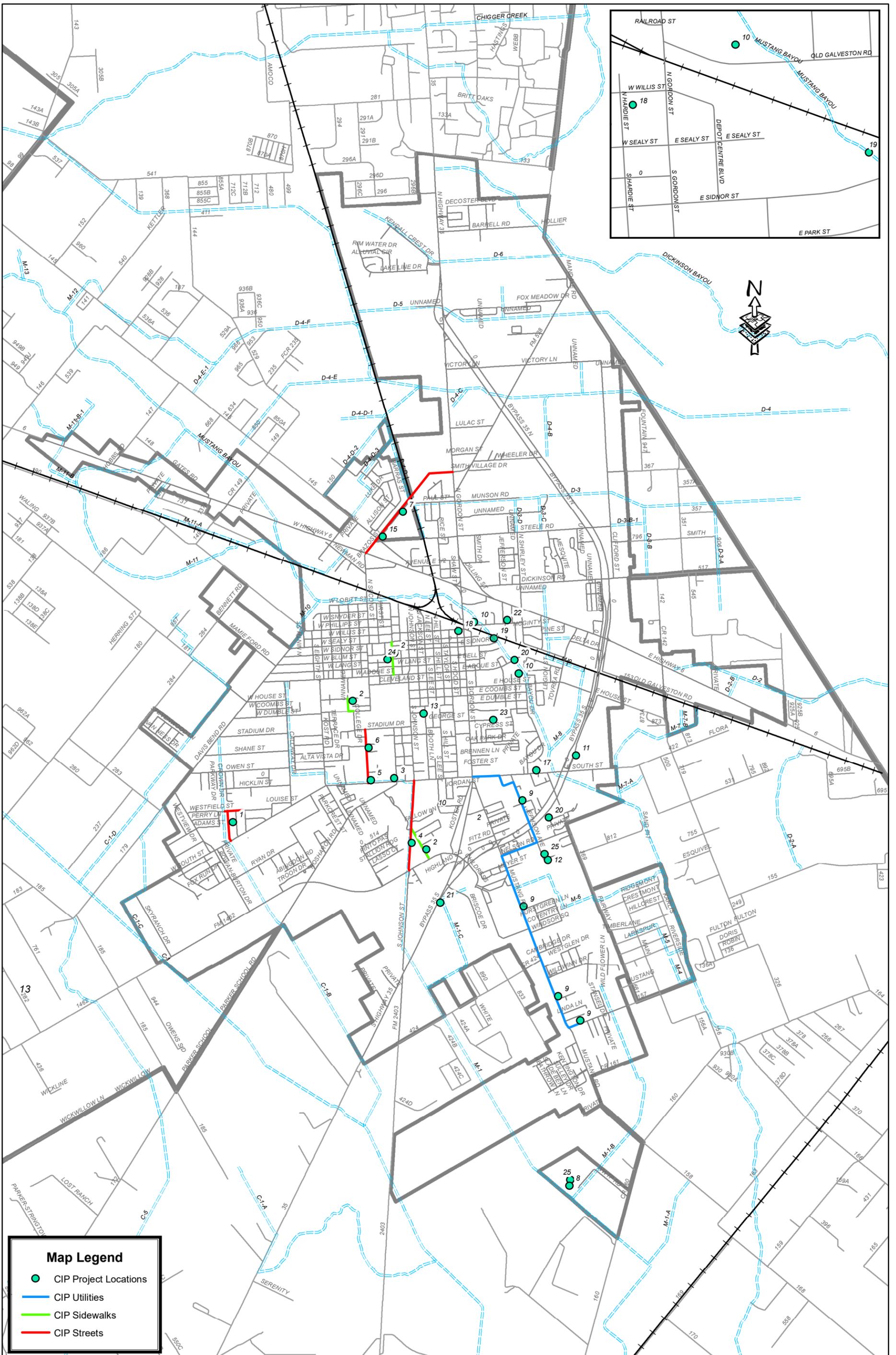


**Capital Improvement Program
Quarterly Report
February 2020**





FY 2020 CIP Project Location Map

Rev. Date 1/30/2020
Engineering Dept.



2020 Concrete Pavement and Drainage Project

| | |
|--|---|
| Project Number: | 1 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Tracy Lynn Lane (Westfield Drive to South Street) and Westfield Drive (C-1-B Ditch crossing to the asphalt transition 125 feet east of Kings Lane). Project location identified as a number 1 on the CIP Project Location Map. |
| Project Description: | This project includes the removal and replacement of concrete pavement / curbs, the installation of storm pipe, manholes, inlets, and sidewalks. |
| Project Justification: | This project will replace the broken and uneven pavement and upgrade the storm system to allow for proper drainage. |
| Current Status: | Currently being designed by Staff. Project moved to FY 2020 on 5/16/2019 due to lack of funding in the FY 2019 budget. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 25-30 years |

| <u>PROJECT COST</u> | | | | | |
|----------------------------|--------------------|---------------|---------------------------|--------------------|--|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | | | | | |
| <u>CONSTRUCTION</u> | \$1,000,000 | | \$1,000,000 | 2020 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$1,000,000 | \$0 | \$1,000,000 | | |



2020 Sidewalk Project

| | |
|--|---|
| Project Number: | 2 |
| Project Type: | Sidewalks |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Project locations identified as number 2 on the CIP project location map. <u>Pearson Rd.</u> (east side between Johnson St. and FM 1462), <u>Durant St.</u> (west side between Adoue St. and Sealy St.), <u>Dumble Street</u> (south side between College Street and Clark Street), and <u>Clark Street</u> (west side between Dumble St. and Fairview Dr.). |
| Project Description: | This project is intended to provide adequate pedestrian access throughout areas of Alvin where pedestrians are frequently observed. Concrete sidewalks will be installed in compliance with Americans with Disabilities Act (ADA) requirements. |
| Project Justification: | To provide adequate pedestrian access, and add sidewalks as proposed in the Comprehensive Plan. |
| Current Status: | Design is complete. Project bid and construction start planned for summer 2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | | | | | |
| <u>CONSTRUCTION</u> | \$250,000 | | \$250,000 | 2019/2020 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$250,000 | \$0 | \$250,000 | | |



Durant Detention Pond

| | |
|--|--|
| Project Number: | 3 |
| Project Type: | Drainage |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Five acre City owned property at the northwest corner of the W. South Street and Durant Street intersection. Project location identified as number 3 on the CIP project location map. |
| Project Description: | This project includes the design and construction of a storm water detention pond on City owned property along Durant Street (5 acres). This is the second of several drainage improvement projects that were recommended in the M-1 Ditch Watershed Study that was completed in January 2011 by Dannenbaum Engineering. |
| Project Justification: | To improve drainage in the M-1 Ditch Watershed by providing detention storage for future storm sewer improvement projects along Durant Street, Moller Road, and Stadium Drive. |
| Current Status: | Project is substantially complete as of 1/15/2020. |
| Impact on Operating Budget: | Yes |
| Estimated Useful Life of Capital Investment: | 30+ years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | \$107,000 | \$122,593 | \$122,593 | 2016 | |
| <u>CONSTRUCTION</u> | \$677,000 | \$351,473 | \$315,000 | 2018 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$784,000 | \$474,066 | \$437,593 | | |



Johnson Street Paving and Drainage Improvements Project

| | |
|--|--|
| Project Number: | 4 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | South Johnson Street from South Street to FM 1462. Project location identified as number 4 on the CIP project location map. |
| Project Description: | This project involves the improvement of paving along Johnson Street from South Street to FM 1462. The project includes the construction of a concrete sidewalk from South Street to Pearson Road along the east side of Johnson Street. |
| Project Justification: | This project will make improvements and upgrades to Johnson Street. |
| Current Status: | The south end of the roadway was opened to traffic on October 4, 2019. Waiting on Comcast to move their lines to the new poles that were installed by Texas New Mexico Power, once complete then the Contractor will complete the sidewalk and project closeout will commence. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | \$200,000 | \$264,650 | \$200,000 | 2018 | |
| <u>CONSTRUCTION</u> | \$1,718,754 | \$1,257,666 | \$2,039,650 | 2019 | |
| <u>GEO. STUDY</u> | \$30,000 | \$28,700 | \$30,000 | 2017 | |
| <u>TOTAL:</u> | \$1,948,754 | \$1,551,016 | \$2,269,650 | | |



Moller Road Storm Sewer and Pavement Improvements Phase 1

| | |
|--|--|
| Project Number: | 5 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund / Bond Funds |
| Assigned: | City Engineer |
| Project Location: | Moller Road near South Street. Project location identified as number 5 on the CIP project location map. |
| Project Description: | This project includes the design of the first of a three phase project to add a storm sewer system, concrete curb and gutter pavement, and sidewalk along Moller Road. This is the third of several drainage improvement projects that were recommended in the M-1 Ditch Watershed Study that was completed in January 2011 by Dannenbaum Engineering. |
| Project Justification: | To improve drainage in the M-1 Ditch Watershed by adding a storm sewer system along Moller Road. |
| Current Status: | Design is complete. Project scheduled to bid in March 2020 for a Summer 2020 construction start. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 30+ years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$250,000 | \$249,932 | \$250,000 | 2018 | |
| <u>CONSTRUCTION</u> | \$1,803,659 | | \$1,800,000 | 2019 | Bond |
| <u>GEO. STUDY</u> | | | | | |
| <u>TOTAL:</u> | \$2,053,659 | \$249,932 | \$2,050,000 | | |



Moller Road Storm Sewer and Pavement Improvements Phase 2 (Design)

| | |
|--|--|
| Project Number: | 6 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Moller Road near South Street. Project location identified as number 6 on the CIP project location map. |
| Project Description: | This project includes the design of the second of a three phase project to add a storm sewer system, concrete curb and gutter pavement, and sidewalk along Moller Road. This is the fourth of several drainage improvement projects that were recommended in the M-1 Ditch Watershed Study that was completed in January 2011 by Dannenbaum Engineering. |
| Project Justification: | To improve drainage in the M-1 Ditch Watershed by adding a storm sewer system along Moller Road. |
| Current Status: | Project design expected to start in April 2020. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 30+ years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$250,000 | | \$250,000 | 2020 | Bond |
| <u>CONSTRUCTION</u> | \$3,550,000 | | \$3,550,000 | 2020 | Bond |
| <u>GEO. STUDY</u> | | | | | |
| <u>TOTAL:</u> | \$3,800,000 | \$0 | \$3,800,000 | | |



FM 528 Extension (Design)

| | |
|--|--|
| Project Number: | 7 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Extension of FM 528 from Gordon Street to Highway 6. Project location identified as number 7 on the CIP project location map. |
| Project Description: | This project involves the construction of the extension of FM 528 from Gordon Street to Highway 6 along right-of-way that has been acquired in the last ten plus years. |
| Project Justification: | Completion of this project will help to relieve traffic congestion at the Gordon Street and Highway 6 intersection, as well as, provide a secondary evacuation route over the railroad tracks in the event that the railroad underpass along Highway 6 floods. |
| Current Status: | The Texas Department of Transportation submitted this project in HGAC's "Call for Projects" on October 31, 2018 in an attempt to obtain federal funding for construction through the TIP. This project was not selected for federal funding through the TIP. HDR was notified by TXDOT in June 2019 that they would not be able to advance funding for this project at this time. TXDOT has the project budgeted to start construction in 2024. Currently working with HDR to map the right-of-way in order to convey it to TXDOT. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 30-35 years |

| PROJECT COST | | | | | |
|---------------------|------------------|----------------|---------------------------|--------------------|--|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$1,000,000 | \$1,186,353.11 | \$1,000,000 | 2018 | |
| <u>CONSTRUCTION</u> | \$15,100,000 | | | | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$16,100,000 | \$1,186,353.11 | \$1,000,000 | | |



Wastewater Treatment Plant Optimization Improvements Phase II

| | |
|--|---|
| Project Number: | 8 |
| Project Type: | Sewer |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | 2015 Certificate of Obligation Bond Funds |
| Assigned: | City Engineer/Public Services Director |
| Project Location: | Wastewater Treatment Plant. Project location identified as number 8 on the CIP project location map. |
| Project Description: | Phase II of this project includes installation of a non-potable water system, belt press, rehabilitation of the aeration system, and rehabilitation of the digester tank as well as upgrades to the laboratory. |
| Project Justification: | Upgrade the WWTP to meet state and federal regulations. |
| Current Status: | Project substantially complete as of 12/30/2019. Staff is currently working with the design consultant to closeout the project. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| <u>PROJECT COST</u> | | | | | |
|----------------------------|------------------|---------------|---------------------------|--------------------|------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | | \$766,500 | | 2016 | Bond |
| <u>CONSTRUCTION</u> | | \$4,730,985 | | 2016 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$0 | \$5,497,485 | \$0 | | |



Fairway and South Street Water Line Improvements

| | |
|--|---|
| Project Number: | 9 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2018 Certificate of Obligation Bond Funds |
| Assigned: | City Engineer / Public Services Director |
| Project Location: | Project location identified as number 9 on the CIP project location map. |
| Project Description: | New 12-inch water transmission line along South Street, Bowman Drive, Jephson Lane, Nelson Road, Mustang Road, and Verhalen Road to connect the Dyche Water Tower and the Verhalen Water Tower. New 10-inch water line along Fm 1462 and new 6-inch water line along Koster Road to replace existing 2.25-inch water lines. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | McKinney Construction, Inc. is waiting on the City to obtain an easement from the Catholic Church so that the final 55' of water line and the tie in at Gordon Street can be installed. Staff is currently working with the church to finalize the easement document and schedule the completion of the work. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| <u>PROJECT COST</u> | | | | | |
|----------------------------|--------------------|--------------------|---------------------------|--------------------|------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$670,400 | \$528,111 | \$528,111 | 2018 | Bond |
| <u>CONSTRUCTION</u> | \$3,352,000 | \$1,228,796 | \$1,228,796 | 2018 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$4,022,400 | \$1,756,907 | \$1,756,907 | | |



Lift Stations 14 and 17 Rehabilitation

| | |
|--|--|
| Project Number: | 10 |
| Project Type: | Sewer |
| Strategic Plan: | 2015 Utility Master Plan - Wastewater CIP Projects - 2020 |
| Funding: | 2018 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | Identified as project number 10 on the CIP project location map. |
| Project Description: | This project includes the rehabilitation of lift stations 14 and 17. The condition assessment results showed these lift stations to be in very poor condition. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | T & C Construction, Ltd. is currently completing the site work at both lift station sites. Both lift stations were placed online January 2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|-----------------------|--------------------|------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$260,000 | \$225,645 | \$225,645 | 2018 | Bond |
| <u>CONSTRUCTION</u> | \$1,300,000 | \$867,673 | \$867,673 | 2018 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$1,560,000 | \$1,093,318 | \$1,093,318 | | |



Lift Station 30 Expansion & HWY 35 Bypass Gravity Mains

| | |
|--|---|
| Project Number: | 11 |
| Project Type: | Sewer |
| Strategic Plan: | 2015 Utility Master Plan - Wastewater CIP Projects - 2020 |
| Funding: | 2018 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | Lift Station 30 Expansion and HWY 35 Bypass gravity mains. Project location identified as number 11 on the CIP project location map. |
| Project Description: | This project includes the expansion of lift station 30 from a firm capacity of 4.61 MGD to a firm pumping capacity of 9.0 MGD. This project includes a new 24 inch force main, and the upsizing of the gravity lines to 36 inches immediately upstream and downstream of lift station 30. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | LJA Engineering completed the 90% design in February 2019. City Council approved Staff's request for additional design services to increase the capacity of the proposed lift station to 11.5 MGD to accommodate additional development on 5/2/2019. LJA has completed the design and sent it to TCEQ for final review. KDM Aquisition Services, Inc. is currently working on acquiring the additional property that is required for the expansion. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|-------|
| <u>DESIGN</u> | \$1,495,900 | \$760,515 | \$679,865 | 2018 | Bonds |
| <u>CONSTRUCTION</u> | \$10,064,900 | | \$10,064,900 | 2019/2020 | Bonds |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$11,560,800 | \$760,515 | \$10,744,765 | | |



54" Eastside Interceptor

| | |
|--|--|
| Project Number: | 12 |
| Project Type: | Sewer |
| Strategic Plan: | 2015 Utility Master Plan - Wastewater CIP Projects - 2020 |
| Funding: | 2018/2019/2020 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | Replacement 54" Eastside Interceptor. Project location identified as number 12 on the CIP project location map. |
| Project Description: | This project includes the construction of a 54 inch wastewater line from the 35 Bypass to the WWTP. The model showed the existing 27 inch and 33 inch wastewater lines do not have enough capacity to convey existing peak flows to the plant. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Freese and Nichols submitted the 100% plans, specs, and revised cost estimate on 7/18/2019. KDM Acquisition Services, Inc. is currently working on acquiring the seven utility easements that are required for the project. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$2,165,300 | \$2,076,000 | \$2,076,000 | 2018 | Bond |
| <u>CONSTRUCTION</u> | \$13,251,153 | | \$11,797,760 | 2019/2020 | Bond |
| <u>OTHER</u> | \$31,000 | \$31,000 | | 2019 | Bond |
| <u>TOTAL:</u> | \$15,447,453 | \$2,107,000 | \$13,873,760 | | |



Water Line Improvements Phase I

| | |
|--|---|
| Project Number: | 13 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2018 and 2019 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | General project location identified as project 13 on the CIP project location map. |
| Project Description: | New 10-inch, 8-inch, and 6-inch water lines to connect and replace existing small water lines in the area bounded by Adoue Street, Gordon Street, South Park Drive, and Johnson Street. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Council awarded the bid on 6/20/2019 to Scohil Construction Services, LLC. The Preconstruction Meeting was held on 8/6/2019 and a Notice to Proceed was issued for 8/21/2019 for this 210 calendar day project. The contractor has completed approximately 48% of the work. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|---------------------------|--------------------|-------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$510,800 | \$433,300 | \$922,985 | 2018 | Bond |
| <u>CONSTRUCTION</u> | \$2,553,800 | \$1,590,645 | \$2,005,595 | 2018/2019 | Bonds |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$3,064,600 | \$2,023,945 | \$2,928,580 | | |



Northwest and Northeast Sanitary Sewer Basin Evaluation Survey

| | |
|--|--|
| Project Number: | 14 |
| Project Type: | Sewer |
| Strategic Plan: | 2015 Utility Master Plan - Wastewater CIP Projects - 2020 |
| Funding: | 2018 Water and Sewer Bond Funds |
| Assigned: | City Engineer / Public Services Director |
| Project Location: | Northwest and Northeast Sanitary Sewer Basins in the northern portion of the City. |
| Project Description: | Utilities Master Plan recommended that a Sanitary Sewer Evaluation Survey be conducted throughout the Northeast and Northwest Basins to identify sources of Inflow and Infiltration. Once sources of I/I are found, the City should address them as required to reduce excess water from entering the wastewater system. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Freese and Nichols submitted the final draft of Technical Memo #2 that details the results and rehabilitation recommendations identified in the study on July 22, 2019. The report recommends \$855,700 in I and I rehabilitation work. Final study report documents received in December 2019. Staff requested a proposal for engineering design services for the design of the rehabilitation work on 1/10/2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | \$95,300 | \$95,200 | \$95,300 | 2018 | |
| <u>CONSTRUCTION</u> | \$855,700 | | \$850,000 | 2020 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$951,000 | \$95,200 | \$945,300 | | |



Water Plant #6 Tank Replacement

| | |
|--|---|
| Project Number: | 15 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2018 Certificate of Obligation Bond Funds |
| Assigned: | City Engineer |
| Project Location: | Water Plant No. 6 Ground Storage Tank Replacement identified as project number 15 on the CIP project location map. |
| Project Description: | Decommission three existing 0.43 MG ground storage tanks and add new 1.5 MG ground storage tank at Water Plant No. 6 |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | The new tank has been constructed by the tank manufacturer and is currently being disinfected prior to filling for the thirty day foundation settlement period. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$526,500 | \$319,400 | \$319,400 | 2018 | Bond |
| <u>CONSTRUCTION</u> | \$2,632,500 | \$2,446,526 | \$2,446,526 | 2018 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$3,159,000 | \$2,765,926 | \$2,765,926 | | |



Wayfinding Signs Project

| | |
|--|--|
| Project Number: | 16 |
| Project Type: | Wayfinding |
| Strategic Plan: | Planning for directional movement in the City to key locations. |
| Funding: | General Fund |
| Assigned: | Economic Development Director |
| Project Location: | Corporate City Limits |
| Project Description: | To develop a wayfinding signage system that will create a uniqueness about Alvin while also improving the economic vitality of lesser known parts of the City that tourists and visitors may not be aware of. |
| Project Justification: | By implementing wayfinding signage, visitors will be easily directed to key locations creating a more positive experience and it will encourage others to see what the City of Alvin has to offer beyond the visible elements on the main roadways. |
| Current Status: | Ongoing (12/09/19): Since the last stakeholders meeting Wednesday July 10, 2019, staff has reviewed the wayfinding master plan and has requested four (4) separate revision requests. The most recent revision requests were made on Monday, November 25, 2019. Once the revised document has been received by staff, it will be reviewed and a stakeholders meeting will be scheduled for the group to review the document. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | N/A |

| PROJECT COST | | | | | |
|----------------------|------------------|------------------|-----------------------|--------------------|--|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$50,000 | \$49,500 | \$49,500 | 2019 | |
| <u>CONSTRUCTION</u> | \$180,500 | \$180,500 | \$105,500 | 2020 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$230,500 | \$230,000 | \$155,000 | | |



Fire/EMS Station

| | |
|--|--|
| Project Number: | 17 |
| Project Type: | Facilities |
| Strategic Plan: | Planning for the replacement of aged facilities. |
| Funding: | General Projects Fund and Certificates of Obligations. |
| Assigned: | Rex W. Klesel |
| Project Location: | City owned 4.38 Acres at the corner of Bellaire Boulevard and South Street. Identified as project number 17 on the CIP project location map. |
| Project Description: | This project is to design and construct a new Fire and Emergency Medical Services (EMS) Station on the 4.36 acre property at the corner of Bellaire Boulevard and South Street that was purchased in December 2017. |
| Project Justification: | Compelling reasons to construct a new station include, but are not limited to expanding service coverage to the south and east quarters of the Fire Department response territory. Also, the two existing stations lack sufficient windstorm ratings and have inadequate sleeping quarters for staff. |
| Current Status: | City Council awarded the bid to construct the Fire/EMS building to Division One on 11/7/2019 for an amount not to exceed \$11,673,900. The Contractor visited the site on 12/6/2019 to see where to set up a construction trailer. The Architect is finalizing plans to incorporate the 0.5 acre tract that was recently purchased for stormwater detention. |
| Impact on Operating Budget: | Once the construction of the facility is complete, there will be utility operational and maintenance costs associated with the new facility. |
| Estimated Useful Life of Capital Investment: | 50+ Years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|-----------------------|--------------------|------|
| <u>DESIGN</u> | \$1,754,743 | \$1,754,743 | \$1,210,743 | 2018 | |
| <u>CONSTRUCTION</u> | \$14,300,000 | \$11,673,900 | \$14,170,600 | 2019 | Bond |
| <u>OTHER</u> | \$310,000 | \$310,000 | | 2018 | |
| <u>TOTAL:</u> | \$16,364,743 | \$13,738,643 | \$15,381,343 | | |



Willis Street Downtown Parking Lot

| | |
|--|---|
| Project Number: | 18 |
| Project Type: | Public Parking |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | General Projects Fund |
| Assigned: | City Engineer |
| Project Location: | Project location identified as number 18 on the CIP project location map. |
| Project Description: | This project includes the installation of a concrete public parking lot on the City owned property at the southeast corner of the Willis and Hardie intersection. |
| Project Justification: | To create additional public parking in the downtown area. |
| Current Status: | Adams Surveying is currently researching the ownership of the alley that runs behind the City and Chamber properties. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 30-40 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--------|
| <u>DESIGN</u> | | | | | |
| <u>CONSTRUCTION</u> | \$120,000 | | \$120,000 | 2019 | |
| <u>OTHER</u> | \$3,200 | \$3,200 | \$3,200 | 2019 | Survey |
| <u>TOTAL:</u> | \$123,200 | \$3,200 | \$123,200 | | |



Mustang Bayou Bank Repair

| | |
|--|--|
| Project Number: | 19 |
| Project Type: | Park / Drainage |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | General Fund |
| Assigned: | City Engineer / Parks Director / City Attorney |
| Project Location: | Two areas along the bank of Mustang Bayou that washed out during Hurricane Harvey. Project location identified as number 19 on the CIP project location map. |
| Project Description: | This project includes the design and repair of two locations along Mustang Bayou where the bayou side slope failed due to flood waters from Hurricane Harvey. |
| Project Justification: | This project is needed to restore the portion of the Hike and Bike Trail that was destroyed due to the side slope failure and to restore the bayou. |
| Current Status: | GC Engineering submitted 90% design plans on 5/10/2019 for Staff review. In June 2019 FEMA informed the City that mitigation funds would not be available for the recommended repair option to the Hike and Bike Trail area of erosion near House Street. On 8/23/2019 GC Engineering submitted a phased option to repair the erosion near House Street. FEMA is currently evaluating for funding. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | \$156,408 | \$156,408 | \$156,408 | 2018 | |
| <u>CONSTRUCTION</u> | \$302,126 | | | | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$458,534 | \$156,408 | \$156,408 | | |



Hike and Bike Trail Phase III Design

| | |
|--|---|
| Project Number: | 20 |
| Project Type: | Parks |
| Strategic Plan: | Extending the existing hike and bike trail as a key addition to the Alvin trail system for non-motorized transportation |
| Funding: | General Fund |
| Assigned: | Parks and Recreation Director |
| Project Location: | Identified on the CIP project location map as project number 20 . South Street to Mustang Road within the Corporate City Limits. |
| Project Description: | Design third phase of the existing Hike and Bike Trail adding approximately 1.6 miles of trail to the existing 1.7 miles. |
| Project Justification: | Provide non-motorized transportation from downtown Alvin to Alvin Community College. |
| Current Status: | Kimley-Horn is conducting a drainage analysis and topographic study in preparation for the preliminary design. |
| Impact on Operating Budget: | Yes |
| Estimated Useful Life of Capital Investment: | 20+ years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | \$100,000 | \$100,000 | \$100,000 | 2019/2020 | |
| <u>CONSTRUCTION</u> | \$2,756,000 | | | | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$2,856,000 | \$100,000 | \$100,000 | | |



Disc Golf Course

| | |
|--|---|
| Project Number: | 21 |
| Project Type: | Disc Golf |
| Strategic Plan: | Promote Alvin's future Disc Golf Course as a regional amenity. (Parks Master Plan 4.2.2) |
| Funding: | Hotel Occupancy Tax Fund |
| Assigned: | Parks and Recreation Director |
| Project Location: | Approximately 38.45 acres south of Briscoe Park within the Corporate City Limits. Identified as number 21 on the CIP project location map. |
| Project Description: | Develop a lighted eighteen hole disc golf course with pedestrian walking path. |
| Project Justification: | Activate undeveloped city owned property and integrate into parks system to provide a regional attraction which promotes recreational tourism. |
| Current Status: | Project complete as of January 2020. |
| Impact on Operating Budget: | Yes |
| Estimated Useful Life of Capital Investment: | 20+ years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| <u>DESIGN</u> | | \$30,600 | | 2018 | |
| <u>CONSTRUCTION</u> | \$275,000 | \$787,531 | \$300,000 | 2019 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$275,000 | \$818,131 | \$300,000 | | |



Water Line Improvements Phase 2

| | |
|--|---|
| Project Number: | 22 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2019 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | General project location identified as project 22 on the CIP project location map. |
| Project Description: | New 10-inch, 8-inch, and 6-inch water lines to connect and replace existing small water lines in the area bounded by State Highway 6, State Highway 35 Bypass, Sealy Street, and Second Street. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | LJA completed the 60% design plans and submitted to Staff for review on 1/8/2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$422,000 | \$396,250 | \$422,000 | 2019 | Bond |
| <u>CONSTRUCTION</u> | \$2,109,900 | | \$2,109,900 | 2019 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$2,531,900 | \$396,250 | \$2,531,900 | | |



Water Line Improvements Phase 3

| | |
|--|---|
| Project Number: | 23 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2019 Water and Sewer Bond Funds |
| Assigned: | City Engineer |
| Project Location: | General project location identified as project 23 on the CIP project location map. |
| Project Description: | New 8-inch and 6-inch water lines to connect and replace existing small diameter water lines in the area bounded by House Street, Bayou Drive, South Street, and Gordon Street. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Design to start in May 2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | \$510,700 | | \$510,700 | 2020 | Bond |
| <u>CONSTRUCTION</u> | \$2,553,200 | | \$2,553,200 | 2020 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$3,063,900 | \$0 | \$3,063,900 | | |



Water Plant #4 Tank Replacement

| | |
|--|---|
| Project Number: | 24 |
| Project Type: | Water |
| Strategic Plan: | 2015 Utility Master Plan - Water CIP Projects - 2020 |
| Funding: | 2020 Water and Sewer Bonds |
| Assigned: | City Engineer |
| Project Location: | Water Plant No. 4 Ground Storage Tank Replacement identified as project number 24 on the CIP project location map. |
| Project Description: | Decommission the existing 0.21 and 0.43 Million Gallon (MG) steel ground storage tanks and add a new 1.0 MG concrete ground storage tank at Water Plant #4. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Design to begin in August 2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 20-25 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$351,000 | | \$351,000 | 2020 | Bond |
| <u>CONSTRUCTION</u> | \$1,755,000 | | \$1,755,000 | 2020 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$2,106,000 | \$0 | \$2,106,000 | | |



Peak Flow Storage Basin

| | |
|--|--|
| Project Number: | 25 |
| Project Type: | Sewer |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | 2020 Water and Sewer Bond Funds |
| Assigned: | City Engineer/Public Services Director |
| Project Location: | Wastewater Treatment Plant. Project location identified as number 25 on the CIP project location map. |
| Project Description: | This project includes the construction of a 1.0 million gallon (MG) peak flow storage basin at the wastewater treatment plant. |
| Project Justification: | Identified in the 2015 Utility Master Plan by Freese and Nichols, Inc. that was approved by the City Council on March 3, 2016. |
| Current Status: | Design to start in September 2020. |
| Impact to Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 30-35 years |

PROJECT COST

| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
|---------------------|------------------|---------------|---------------------------|--------------------|------|
| <u>DESIGN</u> | \$214,500 | | \$214,500 | 2020 | Bond |
| <u>CONSTRUCTION</u> | \$1,072,500 | | \$1,072,500 | 2020 | Bond |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$1,287,000 | \$0 | \$1,287,000 | | |



2020 Asphalt Pavement Project (Contractor)

| | |
|--|---|
| Project Number: | 26 |
| Project Type: | Streets |
| Strategic Plan: | Maintain Infrastructure |
| Funding: | Sales Tax Fund |
| Assigned: | City Engineer |
| Project Location: | Project locations to be determined. |
| Project Description: | This project involves the rehabilitation of various asphalt streets within the City of Alvin. The project includes the reclamation, stabilization, and overlay of asphalt streets. The project locations will be determined based on recommendations from the 2014 Asphalt Pavement Assessment by JET Consulting. |
| Project Justification: | To improve existing infrastructure. |
| Current Status: | Design to start in February 2020. |
| Impact on Operating Budget: | No |
| Estimated Useful Life of Capital Investment: | 10-15 years |

| PROJECT COST | | | | | |
|---------------------|------------------|---------------|---------------------------|--------------------|--|
| | <u>ESTIMATED</u> | <u>ACTUAL</u> | <u>FUNDS BUDGETED</u> | <u>FISCAL YEAR</u> | |
| <u>DESIGN</u> | | | | | |
| <u>CONSTRUCTION</u> | \$500,000 | | \$500,000 | 2020 | |
| <u>OTHER</u> | | | | | |
| <u>TOTAL:</u> | \$500,000 | \$0 | \$500,000 | | |