

To: Sylvia Carillo – Trevino, City Manager

From: Elisha Perkins, Project Manager Coordinator

Date: August 23, 2024

Subject: Summary of Engineering and Capital Improvement Projects



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Summary of Engineering and Capital Improvement Projects

Simsboro Aquifer Water Treatment Plant, Well Field and Transmission Facilities

Project Description

The City of Bastrop is designing a new water treatment plant and a wellfield to replace its water supply from shallow alluvial wells, under the influence of the Colorado River, to deep wells that draw from the Simsboro aquifer. Conversion of the City's water supply source to deep groundwater wells will provide the City with a reliable, resilient drinking water supply.

Project Management

The consultant for this project is Freese and Nichols, Inc. and the contractor is Archer Western. The current project manager is Curtis Hancock, Director of Water and Wastewater Department.

Project Status

The overall work schedule for the Simsboro Water Treatment Plant is at 81% and the Budget is at 73%. Notice to proceed was given on September 02, 2022, and 711 of 875 days have accrued with a substantial completion date on December 25, 2024 (845 calendar days) and final completion on January 24, 2025 (875 calendar days).

WWTP#3 Phase I

Project Description

The City of Bastrop is constructing a new Wastewater Treatment Plant to replace the City's existing wastewater plants. The project consists of constructing a new 2.0 MGD (million gallons a day) Wastewater Treatment Plant # 3.

Project Management

The consultant for this project is KSA and the contractor is BAR Construction Inc. The current project manager is Andres Rosales.

Project Status

Pending final punch list completion. Scheduling ribbon cutting for September.

Transfer Lift Station

Project Description

Installation of a transfer lift station and wastewater force main directing the influent from the two existing wastewater treatment plants # 1 & 2 to the new WWTP#3 allowing for the decommission of these plants # 1 & 2.

Project Management

The consultant for the design of this project has been KSA and the consultant for the land acquisition for this project has been 7Arrows Land Staff. The current project manager is Rene Aguilar.

Project Status

The City has recently received the 100% plan set for this project from the consultant and is nearing the end of the land acquisition.

Westside Collection System Phase I

Project Description

Installation of multiple diameter wastewater lines to allow wastewater to gravity flow to the currently in construction Wastewater Treatment Plant #3.

Project Management

The consultant for this project is KSA and the contractor is Smith Contracting. The current project manager is Curtis Hancock, Director of Water and Wastewater Department.

Project Status

Completed, and the final payment is pending.

Westside Collection System Phase II (Construction Only)

Project Description

Installation of multiple diameter wastewater lines, allowing Seton and Hunter's Crossing lift stations to be decommissioned, and wastewater gravity flow to the Wastewater Treatment Plant #3.

Project Management

The contractor is SJ Louis Construction of Texas Ltd, and the current project manager is Curtis Hancock, Director of Water and Wastewater Department.

Project Status

Completed, and the final payment is pending.

WWTP#3 Phase II (Preliminary Study)

Project Description

The City of Bastrop is constructing a new Wastewater Treatment Plant to replace the City's existing wastewater plants. The project consists of constructing a new 2.0 MGD (million gallons a day) Wastewater Treatment Plant # 3.

Project Management

The City has previously contracted with Freese and Nichols to perform this study for \$371,118.00

Project Status

Currently on pause. This will be revisited in FY25.

Agnes Street Extension

Project Description

This project includes extension of Agnes Street from Seton Hospital to the intersection of Agnes Street and Sterling Dr (this is considered a gap completion). This project will require land acquisition and includes design and construction. This project was awarded funding through Hazard Mitigation funds in FY 2021.

Project Management

The consultant for the design of this project has been Kimley-Horn & Associates. The current project manager is Elizabeth Wick, Project Manager, Engineering Department.

Project Status

This project is in the final design stages and will be out for bid in mid-September and set for construction to begin in October.

Blakey Lane Extension

Project Description

This project is to extend Blakey Lane from Edward Burleson Lane to Jessica Place and Old Austin HWY.

Project Management

The consultant for this project has been MWM DesignGroup. The current project manager is Hudson Mills, Project Manager, Engineering Department.

Project Status

This project is in the 90% review stage. We submitted application for grant funding in May 2024. The application is pending review and acceptance.

Financial Way

Project Description

This project is for the design and construction of Financial Way, which is a new street in the Business & Industrial Park and will extend to the east from Jackson Street.

Project Management

This project was designed by Doucet & Associates and constructed by 304 Construction. The project manager was Rene Aguilar.

Project Status

This project is complete.

Cemetery Improvements – Sections 9 Development

Project Description

The erosion control is on the hill located in the back of the cemetery. This cost will be added to the FY2022 budget. The street improvements are ongoing and will be budgeted as needed. The engineering and construction of roads to open section 9 will be budgeted across years so that the plots will be in place to sell when needed.

Project Management

The consultant for this project is Luck Design. The current project manager is Elizabeth Wick, Project Manager, Engineering Department.

Project Status

The City decided to do some of the improvements in house. The waterline that needed to be installed, was done by Bastrop Public Works, and currently the roadway through Section 9 is being constructed by Bastrop Streets and Drainage. The design of the remaining improvements of this project are estimated to be complete August 2024.

Old Iron Bridge

Project Description

This project is to restore the structure to be re-purposed as a deck park with unrestricted pedestrian access.

Project Management

This project is being designed by Huitt-Zollar, Inc, and the current project manager is Elizabeth Wick, Project Manager, Engineering Department.

Project Status

This project estimated to be at 90% design by October 2024.

HA5 Street Maintenance

Project Description

HA5 is a high-density mineral bond that is applied to streets typically between years 2-8 after asphalt has been laid. HA5 retains the critical oils and resins that keep asphalt pavement flexible. For this project, the HA5 product is used to increase the lifespan of the road. Extending the lifespan delays the need to implement the next stage in a pavement preservation program which is mill and overlay.

Project Management

The contractor for this project was Holbrook Asphalt Company and the project was managed by John Eddleton, Director of Bastrop Streets and Drainage.

Project Status

This project is complete.

Water Street Repairs

Project Description

This project includes repairs to the water/wastewater and the street surfaces along Chestnut to Cedar and Gutierrez to Chestnut.

Project Management

This project is being managed by John Eddleton, Director of Bastrop Streets and Drainage.

Project Status

This project is pending.

Additional Street Repairs

Project Description

This project will include mill and overlay to the following streets: Mesquite, Emile, and Childers Street.

Project Management

This project will be managed by John Eddleton, Director of Bastrop Streets and Drainage.

Project Status

This project is pending.