

Public Works and Engineering Update

City Council
January 24, 2023

The logo for the City of Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. This circle is set against a blue background that is part of a larger graphic design on the right side of the slide, which includes a white circle and a grey triangle.



PUBLIC WORKS & ENGINEERING SERVICES

Organizational Chart 37 Full Time Employees



Shannon Hicks
Director



Todd Weinheimer
Assistant Director

37 Signalized Intersections
167 Lane Miles of Roadway
Over 5,000 Signs

10.5 Million Gallons of Water Storage
96 Miles of Water Mains
1,100 Fire Hydrants

76 Miles of Storm Water Mains
72 Miles of Sanitary Sewer Mains
\$100 Million in Bond Projects
\$8.9 Million in Annual Operational Funds



Operations and Maintenance

Operational Projects

- Completed nearly \$1.7M on Addison Road full-depth repairs and received \$496K in Dallas County grant funding
- Completed Belt Line Road repairs
- Completed replacement of Town-wide Malfunction Management Units (MMUs) at Traffic Signals
- Video Detection Replacements on Marsh Road at Addison Town Center Intersection (Target)
- Painting Wheeler (Arapaho) Bridge rails, swoops, and arches in spring 2023



Operational Projects

Fire Hydrant Inspections

- Flow testing, hydrant flushing, and making any necessary repairs
- Completed 1,100 fire hydrant inspections in FY22
- Next round of inspections will begin in the spring of 2023

Fire Hydrant Painting

- Painting fire hydrants “Addison Blue” and adding reflective collars for better visibility at night
- Painted one-third of the Town’s fire hydrants in FY22 and will do another third in FY23

Valve Maintenance Program

- Town staff is operating and inspecting mainline valves throughout the Town
- The goal is to exercise each valve annually



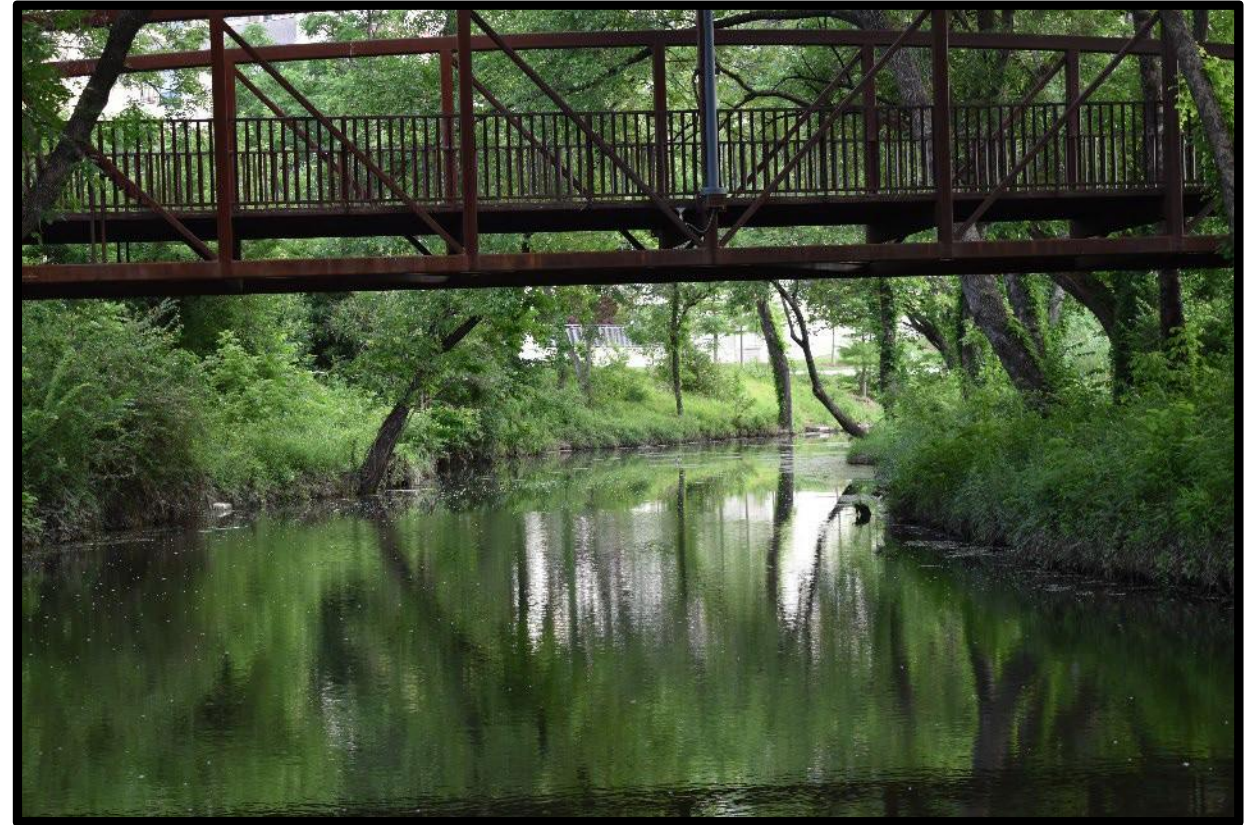
Operational Projects

- Began EPA mandated Lead and Copper Rule Revisions (LCRR), requires to prepare and maintain an inventory of service line materials
- Lining eight manholes throughout Town for FY23
- Purchased two new water quality analyzers to replace outdated units
- Non-Destructive Testing of Redding Trail Water Main
- Water and Wastewater CIP Validation



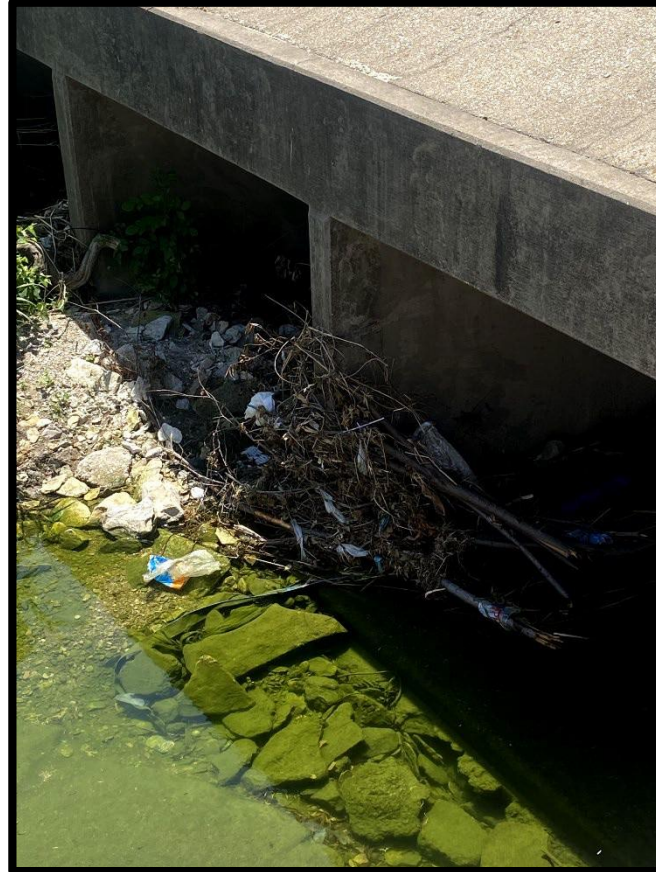
Operational Projects

- Completed year three of the Town's five-year Municipal Separate Storm Sewer System (MS4) permit with Texas Commission on Environmental Quality
- Hosted Earth Day and Sustainability Day Events
- Creating Town owned drainage ditch maintenance plans



Operational Projects

- Inspecting and cleaning of a parallel channel on Midway Road
- Stormwater post-construction Best Management Practices (BMP) Ordinance Update as required by State regulations
- Celestial Place pavement repairs due to infiltration of Stormwater pipes
- Upgrading Blower in GapVax Truck



Major CIP and Bond Projects

Major CIP and Bond Projects

Under Construction Projects

Rawhide Creek ADA and Drainage Improvements

- Began Construction in Mid-November anticipate completion in Fall 2023
- Currently excavating detention facility adjacent to Marsh Lane
- Project Budget \$3.3M

Alpha Road Connector Project

- Began Construction in April of 2022 anticipate completion in March 2023
- 95% of pavement operations are completed
- Project Budget \$3.6M
- Estimated Project Costs \$3.5M



Major CIP and Bond Projects

Under Construction Projects

Traffic Signal and ADA Improvements

- Currently under contract
- Long lead times on traffic signal poles have delayed the start of construction
- Anticipate start of construction in summer 2023
- Project Budget \$1.5M
- Estimated Project Costs \$1.4M

Vitruvian Park Public Infrastructure Phase 9 Block 701 Sewer and Water Improvements

- Contractor is completing punch-list items, anticipate project closeout in January 2023
- Total Project Cost \$765K
- Vitruvian Phase 9 Budget \$2.6M



Major CIP and Bond Projects

Under Construction Projects

Midway Road Reconstruction

- Southbound lanes from Belt Line to Proton are under construction
- Anticipate major paving operations south of Belt Line Road to be completed by spring of 2023
- Temporary signals being installed north of Belt Line
- Major paving operations north of Belt Line expected in next few weeks
- Current Estimated Costs \$41.1M



Major CIP and Bond Projects

Recently Completed Projects

Kellway Lift Station Bypass Project

- Completed in August 2022
- Budgeted \$1.1M
- Total Project Cost \$854K

Surveyor Chloramine Booster Station Project

- Completed in November 2022
- Budgeted \$1.3M
- Total Project Cost \$1.3M

Winnwood Bridge Armoring Project

- Construction completed in December 2022
- Project Budget \$450,000
- Estimated Total Cost \$400,000



Major CIP and Bond Projects

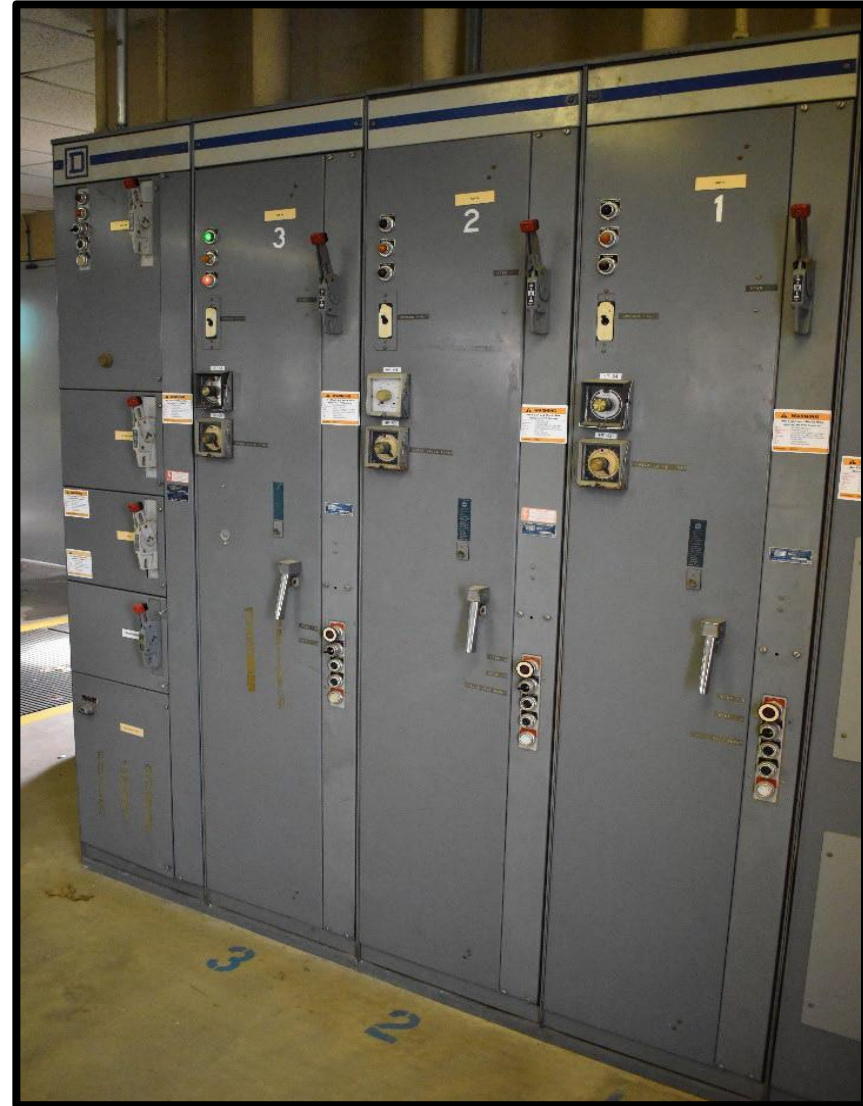
Upcoming Projects

Lake Forest Drive Water and Sewer Improvements

- Bidding for construction in February 2023
- Anticipate 10 months of construction
- Project Budget \$1.2M

Surveyor Pump Station Electrical Upgrades

- Bidding for construction in January 2023
- Anticipate 6 months of construction
- Construction timing will be heavily dependent on availability of electrical components
- Project Budget \$1.2M



Major CIP and Bond Projects

Upcoming Projects

Keller Springs Road Reconstruction

- Working on ROW and easement acquisitions
- Opened proposals for construction in November 2022
- Recommending to reject the two proposals that were received due to them being over the project budget.
- Town staff and the design engineer will work together to implement ways to reduce the project cost and make the proposals more competitive
- Staff will re-issue the RFP once the projects once the altered design and scope are finalized

Airport Parkway Reconstruction

- Currently at 95% design
- Working on ROW and easement acquisitions
- Construction is scheduled to follow the completion of Keller Springs
- Project Budget \$9.4M



Major CIP and Bond Projects

Upcoming Projects

Quorum Drive Reconstruction

- Issued RFP for design services and are in negotiations
- Construction will immediately follow Midway Road Construction
- Project Budget \$27.6M

Montfort Drive Reconstruction

- Construction will immediately follow completion of Quorum Drive Project
- Project Budget \$7.3M

Bella Lane North Connector

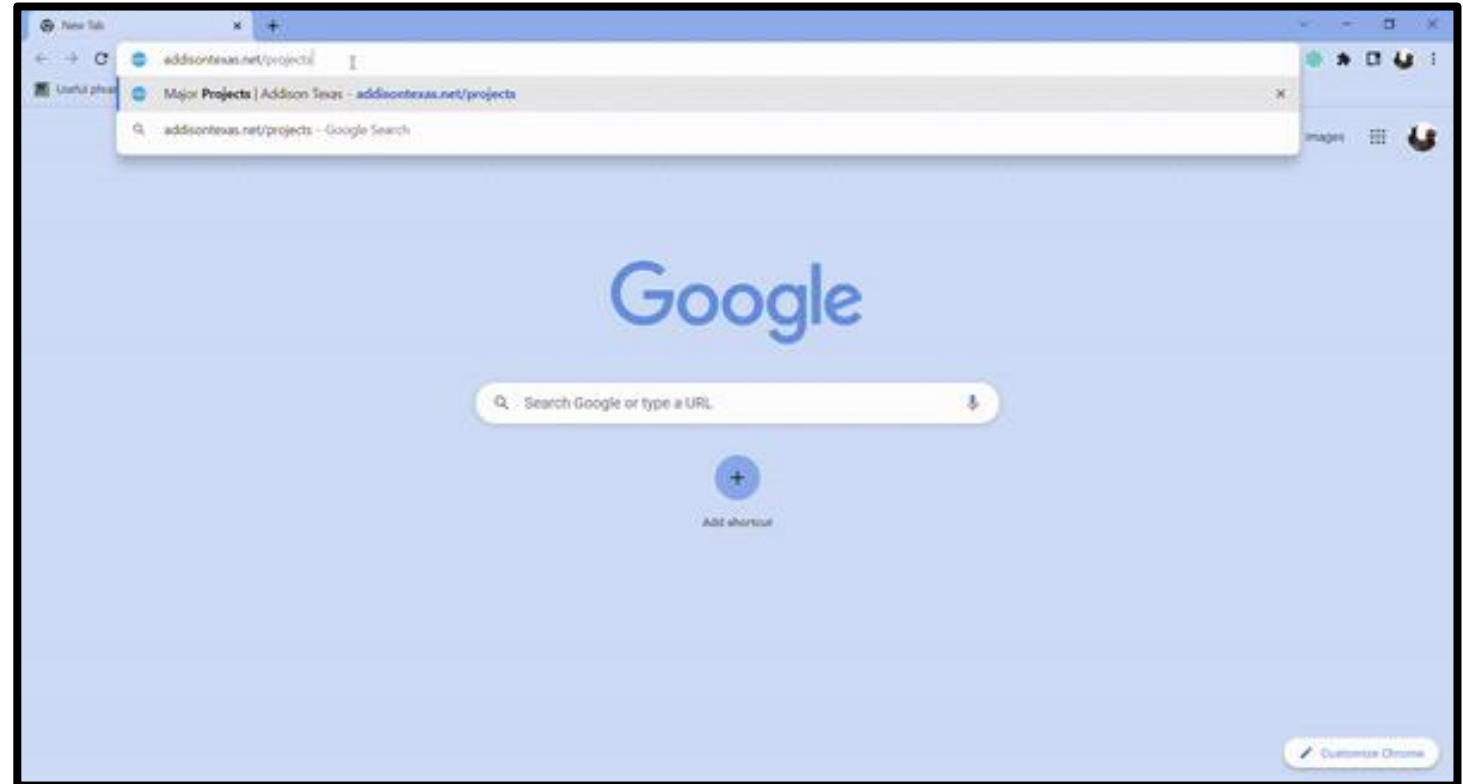
- Recent changes to the updated Vitruvian development affected the design of the project, currently on hold



Projects Updates Website

ADDISON

- Project updates can be found at addisontx.net/projects
- Website has list of many projects across multiple departments.
- Scan the QR code below for the link!



Questions?