



Chestnut Elevated Storage Tank Restoration

LED Lighting



Chestnut Tank History

1953 Construction Complete and Tank Placed Into Service

1965 Tank Raised 29 Feet

1981 Tank Repainted and Repaired

1993 Tank Repainted and Repaired

2003 Tank Permanently Drained

2014 Tank Inspection – Recommended Repainting to Prevent Corrosion

2020 Tank Inspection – Identified Heavy Metals Recommended Repainting and Minor Structural Repairs

2024 Construction Cost Estimates Obtained



McKinney Now Uses New Water Tower—Plenty of Water

McKinney people are now drinking water from their fine new 540,000 gallon water tower which has just been recently completed down on Market Square. The tank was filled Thursday after a thorough cleaning and Friday it was tied into the mains.

The tank is 154 feet high and was built at cost of nearly \$100,000. It takes the place of the old 56 year old standpipe which is located on South Tennessee street.

The City of McKinney is using over a million gallons of water per day, says Mayor Newsome. However with the new tank in use McKinney need never be in short supply.

At present McKinney is getting its water from three deep wells with one pumping from the Woodbine and two from the Trinity sands.



Tank made by Pittsburgh-Des Moines Steel, Co. who also made steel for St. Louis Gateway

Tank Improvements



Existing View of Chestnut Tank

- Environmental Remediation
- Repainting
- Structural repairs
- Replace and upgrade safety systems
- Accommodations for cellular providers

Screening and Buffering Improvements



Existing View of Chestnut Tank

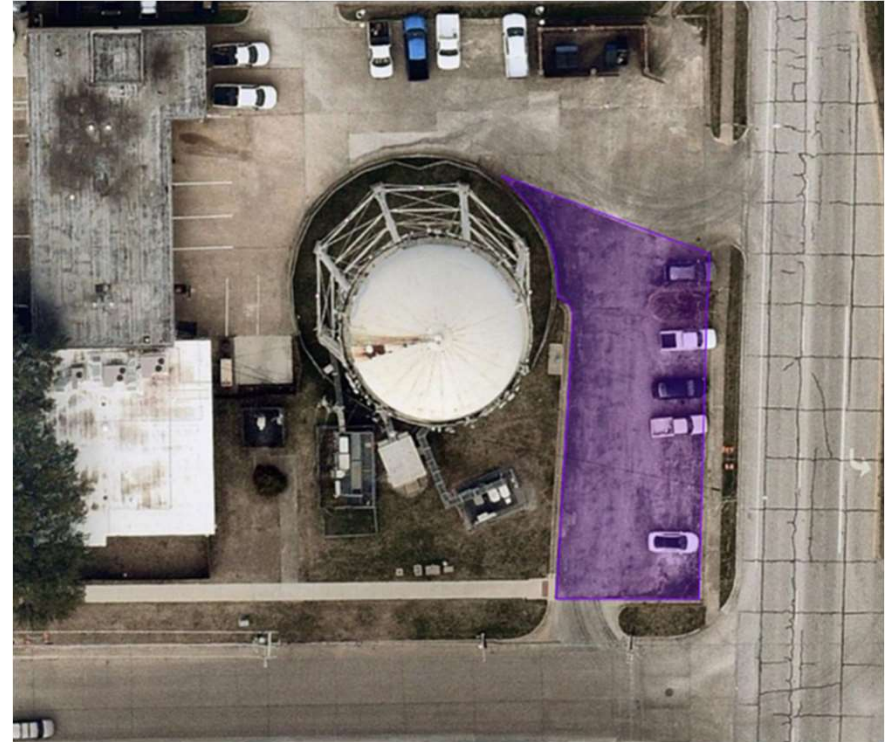


Proposed View of Chestnut Tank



Proposed Landscaping and Ornamental Fence Layout

Pavement Improvements



Proposed Area of Pavement Replacement

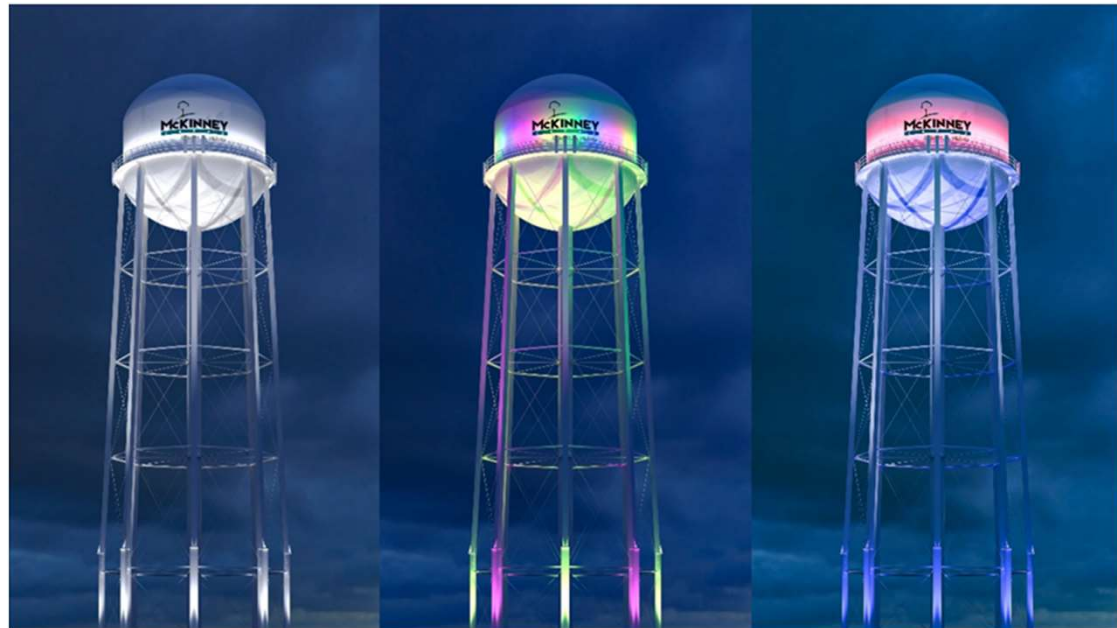
LED Lighting Improvements



- Catwalk mounted LED lights
- LED lighting around the base of the tank
- LED lighting mounted to the exterior legs of the tank
- Programmable lighting control system

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- Construction Schedule: June 2024 – March 2025
- Estimated Total Construction Cost: \$2,455,000
- Estimated LED Lighting Cost: \$485,000
- City grant request of up to \$500,000 from MCDC



Summary