



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 21, 2022

Re: Authorizing replacement and installation of electrical transmission structures along both sides of Route WW, west of El Chaparral Avenue; calling for bids through the Purchasing Division or authorizing a contract for the work using a term and supply contractor or authorizing the work utilizing City staff.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing construction and issuing a contract for the work or a bid call through the Purchasing Division for the replacement and installation of electrical transmission structures along both sides of Route WW, west of El Chaparral Avenue, as shown on the attached Location Map. The public hearing for this project was held on June 7, 2021. The estimate is \$150,000 and will be paid from Electric Utility funds.

Discussion

This project will construct two steel H-frame transmission structures on either side of Highway WW, replacing a single structurally weakened wooden H-frame structure on the north side of Highway WW and adding a new structure on the south side of Route WW. The new structures will strengthen the support of the conductors over the roadway by reducing the span lengths. The new steel H-frame structure on the north side of Highway WW will be farther away from the center of Highway WW than the weakened wood pole H-frame structure it is replacing. It will sit on a raised concrete anchor bolt foundation designed to withstand erosive forces.

A second steel H-frame transmission structure will be built on the south side of Highway WW, near the edge of the floodway of the north branch of Grindstone Creek. It will also sit on a raised concrete anchor bolt foundation that has been designed to withstand erosive forces while providing enough height to accommodate grade changes due to the placement of fill at some future date. This new structure has been shifted far enough south of Highway WW to provide room for the possible planned future extension of Stadium Boulevard.

This ordinance authorizes construction either by using City staff, a contractor through the City's term and supply contracts, or by bidding through the City's Purchasing Division, whichever is most appropriate.

An online Interested Parties (IP) meeting was held between March 4, 2021 and March 11, 2021. A public hearing was held on June 7, 2021. The estimate for the project is \$150,000 and funding has previously been appropriated under the annual Capital Improvement Program, project number E0101 for Replacement of Existing Transmission Systems.



Fiscal Impact

Short-Term Impact: Funding has been appropriated for this project under the annual Capital Improvement Program project number E0101 for Replacement of Existing Transmission System, the resolution estimate is \$150,000.

Long-Term Impact: None

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Reliable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

Legislative History

Date	Action
06/07/2021	PH 20-21: Proposed replacement and installation of electrical transmission structures along both sides of Route WW, west of El Chaparral Avenue.
05/17/2021	R74-21: Setting a public hearing: proposed replacement and installation of electrical transmission structures along both sides of Route WW, west of El Chaparral Avenue.
03/4/2021	Interested Parties Meeting

Suggested Council Action

Approval of the ordinance.