



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: June 7, 2021

Re: Public Hearing – Replacement of Transmission Structures on Route WW.

Executive Summary

This public hearing is for the replacement double circuit 69/161 kV H-frame transmission structures on either side of Route WW near A-1 Auto Recyclers at 3821 Highway WW East. The resolution estimate for this improvement is \$150,000. Funding has been appropriated under Capital Project E0101 for the Replacement of Existing Transmission Systems.

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 foundations 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 foundations 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.

As part of the public improvement process, staff sent letters to all customers and land owners in the affected areas and held an online interested parties meeting between March 4, 2021 and March 11, 2021. At this time, no public comments have been received regarding this proposed project. The resolution estimate for this project is \$150,000 and funding has 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 Systems.

Long-Term Impact: None



Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: 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
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

Direct staff to proceed with the final design for the replacement of transmission structures on Route WW.