



REPORT TO: SUA TRUSTEES

MEETING DATE: NOV 16, 2020

Agenda Item:	5b. SUA-20-39
Prior Council Action/Related Items:	None
Background / Issue:	<p>The Oklahoma Department of Transportation (ODOT) is scheduled to rebuild 6th Avenue from Western Road to Perkins Road in 2025.</p> <p>As part of the 6th Avenue road rebuild project, ODOT has requested that the SUA remove all electric lines that run along 6th Avenue from Western Road to Perkins Road.</p> <p>SUA electric lines to be removed as part of this project are located between Western and Blakely along 6th Avenue.</p>
Proposal/Solution:	<p>Scope:</p> <p>The following electric infrastructure needs to be moved:</p> <ol style="list-style-type: none"> 1. 1.2 miles of 69kV transmission line, 2. 3,200 feet of 15kV double-circuit distribution line and 3. 1,200 feet of 15kV distribution line. <p>To accommodate this request, staff is proposing to reroute the transmission line currently located on Western Road between Virginia Street to 6th Avenue and from Western Road to Walnut Street on 6th Avenue.</p> <p>The line will be rerouted from Kinzie Substation south on Sangre Road to a point where 12th Avenue would intersect Sangre Road if it went through the mile section. (See Attachment A).</p> <p>Staff is proposing to create an active transportation trail through this half section that could be used as a walking/biking trail connecting Sangre and Western Road. The trail would serve the utility by allowing easy access to electric infrastructure and keep the easement clear. Initial thoughts are to use some type of natural material such as crushed stone as opposed to concrete. (see Attachment B)</p>

The distribution lines will be relocated to 12th Avenue, as well as a few new segments in the Westwood neighborhood.
(see Attachment C)

To accommodate the change in the transmission system, an additional terminal at Kinzie Substation will need to be built as well as upgrades two existing terminals at the Hospital Substation. This will provide a place to connect the new line at Kinzie Substation and allow the system to properly manage faults.

Project Approach:

If approved, staff will engage an engineering consultant to perform engineering, procurement, and construction management support services (EPCM) as well as easement acquisition support for both the transmission/distribution and substation projects.

As part of the detailed scope, the EPCM will perform the above services as well as confirm the viability of the proposed route, develop a definitive cost estimate, and create a timeline that lines up with the ODOT project.

Staff anticipate the project will include at least the following contracts:

- EPCM – Contract with engineering firm which includes easement acquisition support
- Materials Bid – Poles, transmission packager, substation packager, and distribution packager
- Construction Contractor Bid – Transmission, Distribution including easement clearing
- Construction Contractor Bid – Substations (this could be rolled into the same contract as transmission if we find companies that do both)

Cost:

Below is a rough breakdown of the cost associated with this project. These are preliminary costs based on previous projects, but there are some items for which we do not have pricing information. These costs will be updated and finalized once the engineering consultant is selected and initial design is completed.

Transmission and Distribution	
Engineering and Construction Management	250,000
Materials and Construction	3,400,000
Removal of Conductor	500,000
Easement Acquisition	TBD

	T&D Total	4,150,000
	Kinzie and Hospital Substations	
	Engineering and Construction Management	600,000
	Materials	1,250,000
	Construction	1,500,000
	Substation Total	3,350,000
	Project Total	7,500,000
Financial Impact/Funding Source(s):	Funds are available in the electric rate stabilization fund and will be appropriated by approval of the attached budget amendment.	
Related Strategic Priority:	<p>#1 Effective Services & Accountable Government: Provide effective services and accountable government for all citizens by practicing fiscal responsibility, transparency, and outstanding customer service.</p> <p>#4 Place & Mobility: To develop a strong sense of place that recognizes the interconnectedness of people, buildings and public systems (such as transportation, utilities and parks) that best serve the needs of the public.</p>	
Recommended Action/Motion:	Motion to approve the transmission and distribution relocation project authorizing expenditures up to \$7,500,000 and approve the budget amendment appropriating expenditures from the Electric Rate Stabilization fund.	
Prepared By:	Loren Smith, Electric Utility Director	
Reviewed By:	Melissa Reames, Deputy City Manager	
Submitted By:	Norman McNickle, City Manager	
Attachment(s):	Attachments A-B-C Budget amendment	