



City of Norman, OK

Municipal Building
Council Chambers
201 West Gray
Norman, OK 73069

Master

File Number: K-2021-72

File ID: K-2021-72

Type: Contract

Status: Consent Item

Version: 1

Reference: Item 16

In Control: City Council

Department: Utilities Department

Cost: \$67,000.00

File Created: 11/18/2020

File Name: Meshek GIS As-Built Linking

Final Action:

Title: CONTRACT K-2021-72: A CONTRACT BY AND BETWEEN THE NORMAN UTILITIES AUTHORITY AND MESHEK & ASSOCIATES, LLC, IN THE AMOUNT OF \$67,000 TO PROVIDE SERVICES FOR LINKING AS-BUILT RECORDS TO THE CITY GEOGRAPHIC INFORMATION SYSTEM FOR WATER AND SANITARY SEWER PROJECTS.

Notes: ACTION NEEDED: Acting as the Norman Utilities Authority, motion to approve or reject Contract No. K-2021-72 with Meshek and Associates, LLC; and, if approved, authorize the execution thereof and transfer of \$33,500 from Project No. WA0239, Segment D Water Line Phase IV, Construction (31993360-46101) and \$33,500 from Project No. WW0058, Wastewater Effluent Reuse, Construction (32999911-46101) to Project No. WA0365, Miscellaneous Water Projects, Design (31993395-46201).

ACTION TAKEN: _____

Agenda Date: 11/24/2020

Agenda Number: 16

Attachments: Contract_K-2021-72

Project Manager: Nathan Madenwald, Utilities Engineer

Entered by: nathan.madenwald@normanok.gov

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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Text of Legislative File K-2021-72

Body

BACKGROUND: The Norman Utilities Department currently operates and maintains the water and sanitary sewer systems including approximately 620 miles of water mains and 500 miles of sanitary sewer mains and associated appurtenances. These mains were installed through a combination of private development projects and capital improvement projects. Upon the

completion of construction, the originally approved plans are marked up by the engineer to document as-built conditions or how the project was actually built to match or account for field conditions.

The City of Norman currently utilizes a file folder system for the storage and access of as-built record documents. While this provides access to the files, the search for the documents can sometimes be inefficient due to variations in file naming or lack of specific record number for each project.

DISCUSSION: Other utilities and municipalities use systems that link records to infrastructure that is stored within a geospatial database or geographic information system (GIS). Through such a system, a unique record identifier is created for each as-built record document and this information is linked to the assets within the GIS database. The records are then accessible by clicking on the asset, by map location.

Meshek & Associates, LLC has previously completed work regarding this effort for the Utilities Department. This work was for a small sample but demonstrated the technology and its ability to be maintained and replicated by City GIS staff for future projects.

Budget transfers are required to fund this project. Funding for the project will be from transfers from separate accounts within the Water Fund (031) and the Water Reclamation Fund (032). Transfers to fund the project are proposed as follows:

Requested Transfer from Segment D Water Line Phase IV, Construction (account 31993360-46101; project WA0239) - \$33,500

Requested Transfer from Wastewater Effluent Reuse, Construction (account 32999911-46101; project WW0058) - \$33,500

The total funding proposed is \$67,000 and the funds will be transferred into Miscellaneous Water Projects, Design (account 31993395-46201; project WA0365)

RECOMMENDATION:

Staff recommends the NUA approve Contract K-2021-72 in the amount of \$67,000 with Meshek & Associates, LLC for As-Built Record Document Linking Services and authorize budget transfers of \$67,000 into the Miscellaneous Water Projects, Design account.