



STAFF REPORT

Board of Aldermen

AN ORDINANCE APPROVING PHASE TWO OF THE PLANIMETRIC AND TOPOGRAPHIC MAPPING PROJECT WITH PICTOMETRY INTERNATIONAL CORPORATION.

FIRST READING: AUGUST 9, 2022

FINAL READING: AUGUST 23, 2022

Initiated By: Information Technology

Approved By: *Lisa Westfall*

Financial Impact: Budgeted in the next year's budget

Community Plan 2030: LU-1:Growth

FACTS:

In January of 2019 Ordinance No. 2019-0015 attached as Staff Report Exhibit 1, was approved to fund a contract with Pictometry International Corp. for digital orthophotography, planimetric and topographic mapping data. The approved contract total was \$147,990.22. The agreement included two flyover projects, one which occurred in 2019 which cost \$67,828.86 and was paid at that time via the approved ordinance. The second phase of this agreement is due in early 2023. Collecting this important data every four years is critical to keeping our geographical data accurate and up-to-date. The approval of this ordinance would enable staff to proactively lock in the flight dates on the company's flight schedule for early 2023 and ensure we obtain the best flight times for optimized data collection. It is important that data collection flights are obtained in late winter or early spring when the foliage is mostly clear in our area which enables the flights to collect the best photo imagery. Staff will not be submitting the final payment of \$73,995.11 until 2023 and funds will be budgeted in the 2023 budget appropriations.

DETAILED ANALYSIS:

This information is captured via flights over our city using multi-cameras to capture obliques that include sides of buildings and structures. This specialized software and methodology for data collection provides our GIS division critical updates to this data which is used by all city departments for a plethora of uses and projects, as well as the public. The capture and use of this information, including oblique data, allows the city to geo-reference the oblique imagery that the city uses for emergency services for ingress/egress on properties. Pictometry uses a capture system that acquires the geo-location of a camera during image acquisition, and controls multiple cameras separately. The vendor's measuring software determines from an oblique image, the distance along the surface of the earth following the actual terrain instead of a straight line that ignores changing terrain.

BACKUP DOCUMENTATION:

Staff Report Exhibit 1 – Ordinance No. 2019-0015