

CITY OF WAUKESHA, WISCONSIN
EQUIPMENT REPLACEMENT FUND EXPENDITURE
Budget Years: 2022 - 2026

Department: Information Technology
Dept. Head: Chris Pofahl
Project Contact: Greg Vanness

Description of Expenditure:	GIS Mapping
Addition or Replacement:	
Initial Cost	\$ 114,000
Anticipated Annual Maintenance Cost/Cost of Operation	
Maintenance Cost Over 5 years	\$ -
TOTAL INVESTMENT	\$ 114,000
Est. Salvage Value of Former Capital Asset	
EST. INITIAL INVESTMENT	\$ 114,000

Justification for Equipment Replacement Fund Expenditure

This funding would provide for the purchase of an aerial photography flight in the spring of 2022, and recurring biennially. EagleView has previously provided aerial photography to supplement those collected by regional agencies on a less-frequent basis, and in addition to the traditional straight-down (orthophoto) imagery, their products includes imagery shot at a 45 degree angle (oblique imagery) from four different directions. The EagleView imagery produced with have certified accuracy standards and be 3" resolution or better. In addition to the imagery, the City will continue to have access to EagleView's web-based and mobile software and functionality, which is integrated into numerous desktop and web-based applications. Finally, the ChangeFinder product provided via this funding will update building outlines to provide a better inventory of the structures in the city, and lay the foundation for future structural changes to be detected in later flights.

Fund-Org.-Object-Project	Funding Sources	FY '22	FY '23	FY '24	FY '25	FY '26	Total
0400-1917-42210	State Shared Rev.	\$ 38,000	\$ -	\$ 38,000	\$ -	\$ 38,000	\$ 114,000
	Total	\$ 38,000	\$ -	\$ 38,000	\$ -	\$ 38,000	\$ 114,000

Fund-Org.-Object-Project	Expenditures	FY '22	FY '23	FY '24	FY '25	FY '26	Total
0400-1917-68160-81224	Pictometry	\$ 38,000	\$ -	\$ 38,000	\$ -	\$ 38,000	\$ 114,000
	Total	\$ 38,000	\$ -	\$ 38,000	\$ -	\$ 38,000	\$ 114,000

How will this improve our service level and efficiency?

Several departments use the existing aerial imagery and oblique viewer functionality, including Police, Fire, Public Works, Community Development, Assessing and Parks, Recreation and Forestry. Potential applications include SWAT or large event preplanning, emergency preparedness, criminal investigations, storm water management, plan preparation, property assessment, etc. All internal users have access to advanced tools to analyze, measure, and mark-up the imagery. In addition, the City makes the imagery available to the public through its existing web mapping applications. Recurring flights ensure up-to-date imagery to