



**BUSINESS OF THE CITY COUNCIL
CITY OF MERCER ISLAND**

**AB 6224
February 7, 2023
Consent Agenda**

AGENDA BILL INFORMATION

TITLE:	AB 6224: 2023 Aerial Mapping Project Interlocal Agreement	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution
RECOMMENDED ACTION:	Authorize the City Manager to enter into and execute the interlocal agreement with eCityGov Alliance and other area jurisdictions for the 2023 Aerial Mapping Project.	

DEPARTMENT:	Administrative Services
STAFF:	Ali Spietz, Chief of Administration Leah Llamas, GIS Coordinator
COUNCIL LIAISON:	n/a
EXHIBITS:	1. Interlocal Agreement with other area jurisdictions and the E Gov Alliance for the 2023 Aerial Mapping Project
CITY COUNCIL PRIORITY:	n/a

AMOUNT OF EXPENDITURE	\$ 30,000
AMOUNT BUDGETED	\$ 30,000
APPROPRIATION REQUIRED	\$ n/a

EXECUTIVE SUMMARY

This agenda bill seeks City Council authorization to direct the City Manager to enter and execute an interlocal agreement with eCityGov Alliance and area jurisdictions for high-accuracy aerial orthophotography for the 2023 Aerial Mapping Project.

- Since 2004, the City has joined surrounding cities and the eCityGov Alliance for aerial orthophotography.
- The proposed interlocal agreement will save the parties money by having one company conduct the photography.
- This round of orthophotography will capture changes in the Island since the last round in 2020.
- The City’s total cost for the project, including vendor, administrative, and supplemental fees, will not exceed the \$30,000 budgeted for the project in the adopted 2023-2024 budget.

BACKGROUND

Beginning in 2004, and every 2-3 years since, regional Cities have collaborated in the collection of high-resolution aerial orthophotography. In 2020, the City participated in a regional aerial imagery project to

provide updated digital aerial photo imagery of the City limits and adjacent areas. This effort is being repeated in 2023 to obtain updated imagery of changes that have occurred within the City since 2020 when the previous imagery was taken. New aerial acquisition is required periodically to capture changes over time. Aerial photos also support the maintenance of above-ground supplemental products such as roadways, property, building outlines, utility assets, contour lines, and digital elevation models (DEM).

ISSUE/DISCUSSION

This project is managed by the eCityGov Alliance and involves many other partners in King County including, among others, Bellevue, Bothell, Sammamish, Mercer Island, Issaquah, and Newcastle. The goal is to provide participants with high-resolution aerial imagery and related geographic information system (GIS) products at a significantly reduced cost as compared to obtaining this information individually. Additionally, by obtaining all data from a single vendor at the same time, the project creates a single common database across the region.

The previous project resulted in the current 2020 high-resolution (3" pixel) aerial imagery contained in the City's GIS system and is used daily by staff and community members. The imagery product from this project is used in many utility and transportation capital improvement projects, community planning and development services project review, and many other City programs.

Today there are other methods available for taking aerial photos such as using images from commercial providers including Google or using drones for photography. The proposed project provides the City with a higher resolution photo than is available for cost from providers such as Google. The photo is also taken during leaf-off periods to improve visibility. The proposed project provides a turn-key product that is orthorectified to the surface of the earth and matched to the City's existing GIS system, requiring only a simple upload to put the product to use.

The City benefits in the following ways by participating in this project:

- The Police Department uses aerial photos for mapping incident scenes and for planning emergency response for everything from an individual site up to the regional level. This information is also utilized for various disaster planning and emergency operation response needs.
- The Fire Department uses City and regional aerial maps for response planning, to update addresses, and verify property location. Specific buildings use a special color to indicate if the midi-fire truck is required and rescue efforts can be planned to a very detailed level.
- The Parks Maintenance Division uses aerial photos for a visual inventory of existing parks, planning for future parks, analysis of park topography, and for high-quality grant application exhibits.
- Public Works can see a host of benefits including improved data for stormwater conveyance studies, impervious surfaces, the extent of street improvements, transportation design improvements, and improved exhibits for public hearings and open houses. New or improved data can also be collected for street channelization (pavement markings), curb, gutter, and sidewalk information. Transportation Planning utilizes the data for both large- and small-scale (e.g., neighborhood) capital improvement projects.
- Community Planning & Development uses the data for an extensive number of purposes, including high-quality maps, graphics for public hearings, over-the-counter customer service, open houses, code compliance investigations, building permits, land use approval application review, and land use verification.

- Other City department staff may utilize this information for a variety of exhibits and displays to communicate with the public concerning city projects or issues. This information is used by city staff and consultants for public outreach events and presentations.

PROJECT COST

The eCityGov Alliance will serve as the contracting agent for the project, executing and administering a professional services agreement with its selected vendor. The funding for the Project will be shared by the participants and be of three types:

- A. Vendor fees. Attachment 2 to Exhibit 1 is a project pricing spreadsheet of the vendor costs for each participant. These amounts are based on a per-map cost negotiated with the vendor, with participant totals varying depending on the extent to which areas of interest overlap. Mercer Island's costs for vendor fees is approximately \$11,200.
- B. Administrative fees. As shown in Attachment 2 to Exhibit 1 , each participant will pay an administrative fee based on costs incurred by the eCityGov Alliance to pay for the contracted project manager and the administrative work associated with the project, including contract creation and management, financial management and transactions, contractor management and general project oversight. Mercer Island's estimated costs for vendor fees is \$6,800.
- C. Supplemental fees. The City may request supplementary mapping products such as topographic contours, edge of roads, building outlines, utility assets, Lidar, and digital elevation models (DEM). These fees will be set based on the contract with the vendor to conduct this additional work and will be invoiced by the Alliance to pay the Vendor. Mercer Island's estimated costs for supplemental fees will not exceed \$12,000.

The City's total cost for the project will not exceed the \$30,000 budgeted for the project in the adopted 2023-2024 budget.

RECOMMENDED ACTION

Authorize the City Manager to enter and execute the interlocal agreement with eCityGov Alliance and other area jurisdictions for the 2023 Aerial Mapping Project substantially in the form attached as Exhibit 1.