

**Summary of Project**

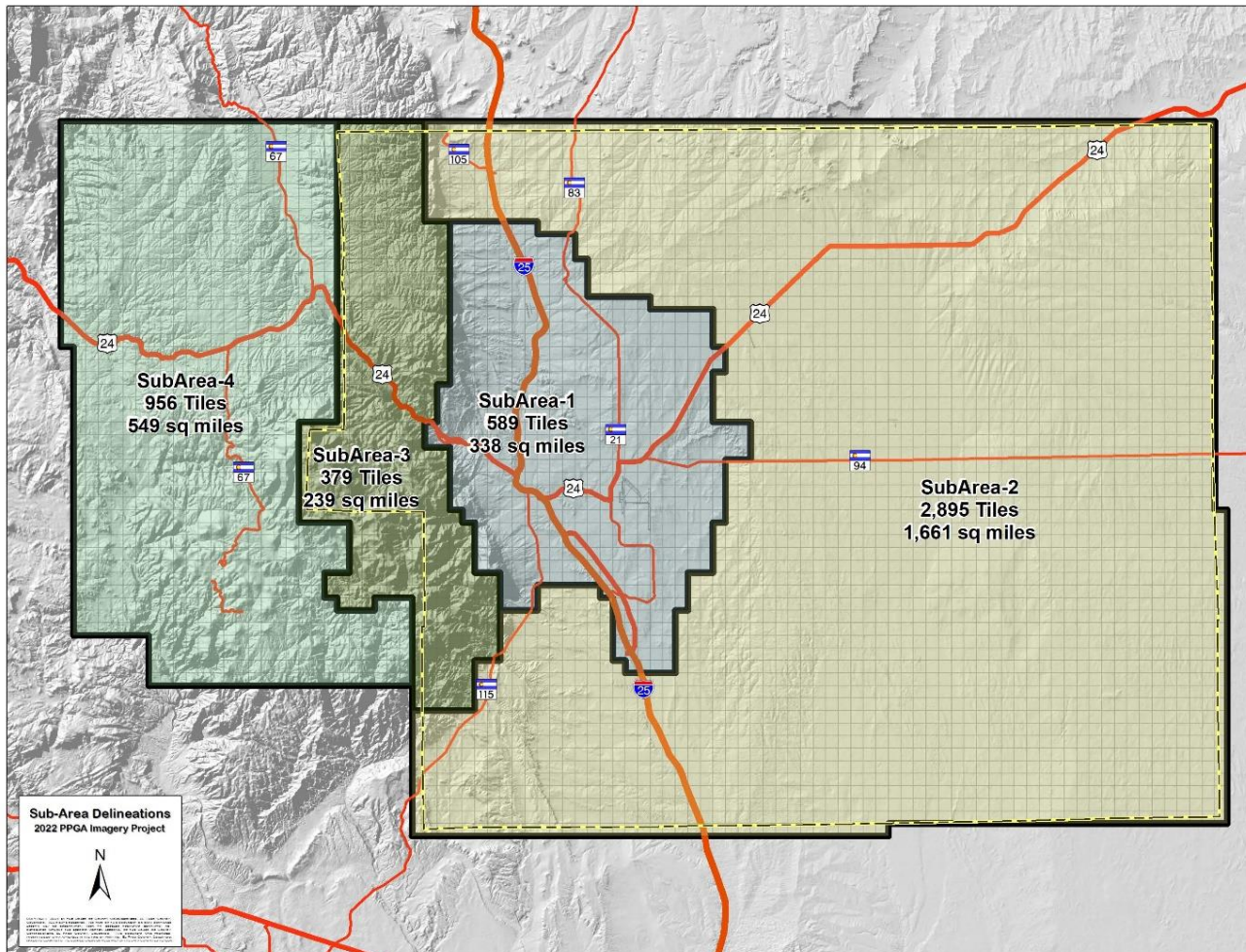
The Pikes Peak Geospatial Alliance (PPGA) is a consortium of government organizations consisting of El Paso County, the City of Colorado Springs, Colorado Springs Utilities (CSU), El Paso/Teller E911, and Teller County.

The purpose of the Orthoimagery Project 2024 (OP2024) is to acquire new color digital orthorectified aerial photography for the extents of El Paso and Teller Counties, including the Colorado Springs metropolitan area. Imagery will be acquired through the 2024 spring/summer flying season and will be commissioned by the PPGA.

For the 2024 project, CSU was asked by the PPGA to perform contractual and primary project management duties. As part, an amendment to CSU’s existing geo-spatial vendor contract will be put in place to perform the work. This vendor will be used to acquire the aerial imagery and produce all derivative products.

**Project Overview**

The Orthoimagery Project 2024 addresses on-going needs for current digital aerial imagery by multiple governmental agencies in a two-county area of the Pikes Peak region. The areas of interest include the City of Colorado Springs and both El Paso County and Teller County in their entirety. Data is to be acquired such that it meets standard ASPRS class 1 accuracy for orthoimagery products (1.0’ and 2.0’ horizontal accuracy for 6” and 12” resolution areas, respectively). Digital orthorectified aerial imagery will be created for the entire project area.



**Imagery Pricing (<1% Cloud/Shadow, 0.5'-1.5' Accuracy)**

Imagery Area	Product	Cost	Sq Miles	Cost/sq mi	Sq Kilo	Cost/sq km
Entire Project	Class I & II	\$175,226.95	2785	\$62.91	7213	\$24.29
El Paso County	Class I	\$143,570.16	2237	\$64.18	5794	\$24.78
Teller County	Class II	\$31,656.79	548	\$57.76	1419	\$22.30

**2024 Cost Breakdown**

November 28, 2023							
Product Description	Subtotal	Cost Estimates					
		Colorado Springs	CSU	E911	EPC	Teller County	
Total Cost Estimate	\$175,226.95						
Base Product (Sub Areas 1-3)							
Cost Share (%)	100%	25.00%	25.00%	25.00%	25.00%	0%	
8 Bit, 4 Band Ortho Imagery - 6" & 12" Resolution	\$143,570.16	\$35,892.54	\$35,892.54	\$35,892.54	\$35,892.54	\$0.00	
NIR Included	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	\$143,570.16	\$35,892.54	\$35,892.54	\$35,892.54	\$35,892.54	\$0.00	
Secondary Products (Sub Area 4 - Teller County)							
Cost Share (%)	100%	0%	0%	50%	0%	50%	
8 bit, 4 Band Ortho Imagery - 1 Foot Resolution	\$31,656.79	\$0.00	\$0.00	\$15,828.40	\$0.00	\$15,828.40	
NIR Included	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	\$31,656.79	\$0.00	\$0.00	\$15,828.40	\$0.00	\$15,828.40	
Mosaic Deliverables							
JPEG 2000 - PD Areas 1-3 (Colorado Springs Area)*	\$0.00	\$0.00	\$0.00	\$0.00	NA	NA	
JPEG 2000 - PD Areas 1-13 (El Paso County Area)*	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	NA	
JPEG 2000 - PD Areas 14-15 (Teller County Area)*	\$0.00	NA	NA	NA	NA	\$0.00	
JPEG 2000 - PD Areas 1-15 (Entire Project Area)*	\$0.00	NA	NA	\$0.00	NA	NA	
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	\$175,226.95	\$35,892.54	\$35,892.54	\$51,720.94	\$35,892.54	\$15,828.40	\$175,226.95
Variance from estimate	\$0.00						\$0.00

\* Mosaics included in the overall price

**2024 Project Products**

- RGB Imagery with Color Infra-Red Band
- 6" Digital Ortho Tiles (4000'x4000') (Subarea 1)
- 12" Digital Ortho Tiles (4000'x4000') (Subareas 2-4)
- Single 6" image mosaic of the City of Colorado Springs
- Single 12" image mosaic of El Paso County Colorado
- Single 12" Image mosaic of Teller County Colorado
- Updated Digital Elevation Data
- Stereo Model Coverage for a portion of El Paso County

## Intended Uses

- Colorado Springs Utility
  - Utility Backdrop for Infrastructure Data Conversion Process
  - Change Detection Analysis (Growth, Building, Infrastructure)
  - Asset Inventory/Positional Validation
  - Vegetation Analysis & Management
  - Right of Way / Critical Access Analysis
  - Emergency Preparedness & Response
  - Planimetric Basemap Data Maintenance
  - Dam oversight / Reservoir Topographic Mapping
  
- El Paso County, E911, City of Colorado Springs, Regional Building, City of Fountain
  - Police / Fire / Emergency Response / Warrant Service
  - Property Assessment
  - Flood Control / FEMA Flood Zones
  - Other