

## Description

Planimetric data consists of stationary infrastructure features that can be identified from the air and outlined on high-resolution aerial imagery. DRCOG contracts with a vendor that uses the high-resolution Denver Regional Aerial Photography Project (DRAPP) imagery to manually draw each detailed feature.

## What's new in 2020?

In 2020, the partnership expanded the project area to include Jefferson County, which increased the collection area to almost 1600 square miles.

To help with asset management, a persistent identification number was added to the building, parking, driveway, and sidewalk ramp layers. This new attribute will allow local government staff to track these features as they are built, modified, and replaced over time.

Finally, DRCOG partnered with the GeoEx program at the Front Range Community College to have student volunteers assist DRCOG partners with quality assurance of the final products. Thirteen students participated in this effort over 8 months. Their work ensured that the datasets met our specifications while relieving our partners of this time-consuming task.

## By the numbers

### Features captured:

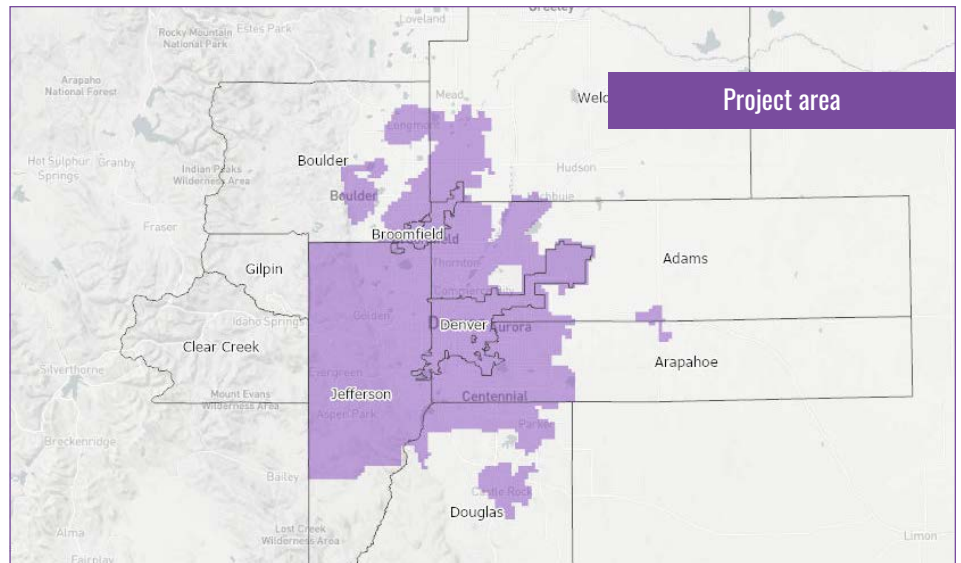
- Building roofprints (polygons)
- Edge of pavement (polygons and lines)
- Parking lots (polygons)
- Sidewalks (polygons and lines)
- Sidewalk ramps (points)
- Trails (lines)
- Driveways (polygons)
- Impervious surface (polygons)

**Cost of data:** \$287,000

**Number of partners:** 20

**Square miles covered:** Approximately 1600

The geographic extent of building roofprints, edge of pavement, parking, ramps, trails and sidewalks captured in the 2020 project is shown below. Other features like driveways, and impervious surface, were collected at smaller extents based on partner need and funding.



# Vendors

Planimetric data capture and delivery was performed by [Kucera International Inc.](#)

# Accessing data

All data produced as a result of this project is available for free public download from [DRCOG's Regional Data Catalog](#).

# Funding partners

- Arapahoe County
- City and County of Denver
- Jefferson County
- City of Arvada
- City of Aurora
- Town of Bennett
- City of Boulder
- Town of Castle Rock
- Dacono
- Town of Erie
- Town of Frederick
- City of Golden
- City of Greenwood Village
- City of Littleton
- City of Longmont
- Town of Morrison
- City of Wheat Ridge
- Mile High Flood District  
South Metro Fire Rescue
- Prospect Recreation and Park District
- Denver Regional Council of Governments

# More information

Visit DRCOG's [website](#) for project update meeting materials and other resources. Data can be downloaded from the [Regional Data Catalog](#).

## QUESTIONS?

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