

## 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.

## 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)

**Cost of data:** \$212,000

**Number of partners:** 27

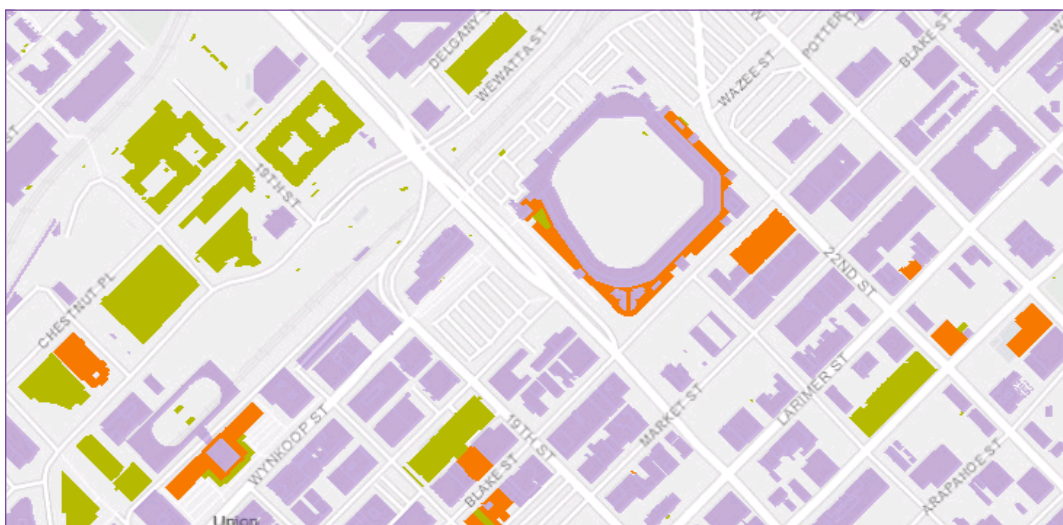
**Square miles covered:** Approximately 1,100

## What's new in 2016?

DRCOG's first planimetric project in 2014 collected features from scratch, meaning that everything had to be manually drawn. The project was time-consuming and expensive. The 2016 project leveraged that significant investment by only capturing changes and not redrawing the original data. Regularly updating the data not only saves time and money, it provides valuable information on areas of change.

The 2016 planimetric data contains information on changes including modifications, additions and demolitions. Potential applications include quantifying new impervious surface or locating recent infrastructure investments.

The image below shows modifications to existing building roofprints (orange) and new building roofprints (green) in downtown Denver.



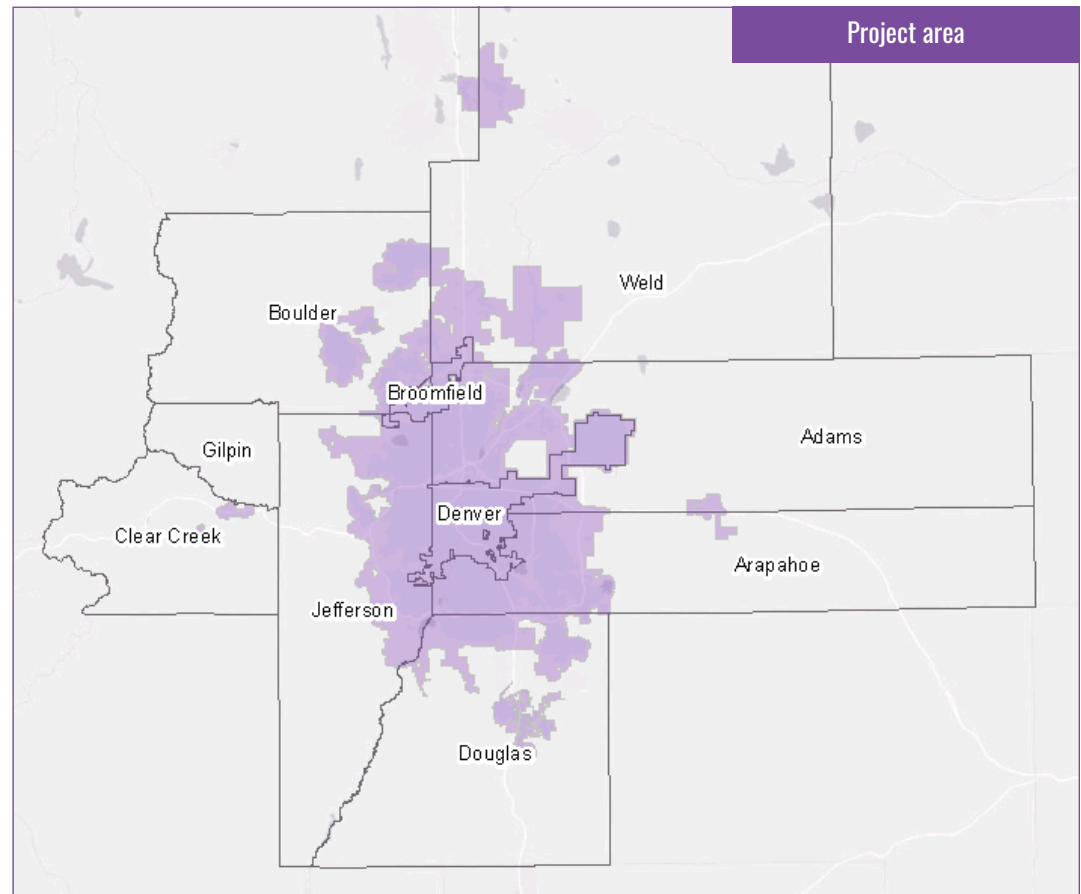
## Vendors

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](#).

The geographic extent of building roofprints included in the 2016 project is shown in the image below. Some features like sidewalks were captured at different geographic extents based on partner need and funding.



## Funding partners

- Adams County
- Arapahoe County
- City and County of Denver
- Jefferson County
- City of Arvada
- City of Aurora
- Town of Bennett
- City of Boulder
- City of Centennial
- City of Commerce City
- City of Englewood
- Town of Erie
- City of Fort Lupton
- Town of Frederick
- City of Glendale
- City of Golden
- City of Greenwood Village
- City of Littleton
- City of Lone Tree
- City of Louisville
- City of Thornton
- City of Westminster
- City of Wheat Ridge
- Town of Windsor
- Denver Water
- Regional Transportation 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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