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 2018?

In 2018, the data partnership made several adjustments to make the product easier to develop, describe and use. First, the project area was converted into a tiled coverage (like imagery) so that feature extents would be consistently aligned. The partnership also expanded geographic coverage of several features so that more than half of the features offered have matching extents.

In response to partner demand, additional features were offered that have never been captured for the partnership before, including impervious surface, poles and signs, and pavement markings. Poles, signs and pavement markings are primarily used to seed asset management systems and then are subsequently maintained by city and county staff.

The sidewalk capture criteria was also adjusted (changing the minimum from 5-foot to 3-foot) and the attribution was expanded to allow for better identification of inadequate infrastructure.

Finally, two private companies also contributed to the partnership, adding extra value to the features by creating attribution (addressing and sidewalk widths) that had previously been cost-prohibitive. The companies provided attribution as an in-kind contribution to the project. The extra attribution is available exclusively to funding partners as a benefit of their participation.

By the numbers

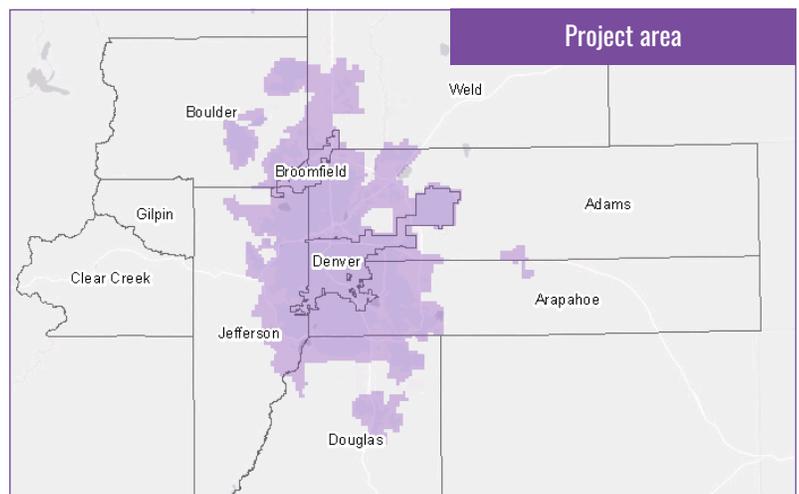|	
Features captured:	Building roofprints (polygons) Edge of pavement (polygons and lines) Parking lots (polygons) Sidewalks (polygons and lines) Sidewalk ramps (points) Trails (lines) Driveways (polygons) Impervious surface (polygons) Poles and signs (points) Pavement markings (lines)
Cost of data:	$425,000
Number of partners:	30
Square miles covered:	Approximately 1,200

The geographic extent of building roofprints, edge of pavement, parking, ramps, trails and sidewalks captured in the 2018 project is shown below. Other features like driveways, impervious surface, poles and signs, and pavement markings 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
- Douglas County
- Jefferson County
- City of Arvada
- City of Aurora
- Town of Bennett
- City of Boulder

- Town of Castle Rock
- City of Centennial
- City of Commerce City
- Town of Erie
- Town of Firestone
- Town of Frederick
- City of Golden
- City of Greenwood Village

- City of Lakewood
- City of Littleton
- City of Lone Tree
- City of Longmont
- City of Louisville
- Town of Morrison
- City of Thornton
- City of Wheat Ridge

- E-470 Public Highway Authority
- Urban Drainage and Flood Control District
- Denver Water
- Denver Regional Council of Governments

Additionally, two companies – BuildingFootprintsUSA and Felsburg Holt & Ullevig – contributed in-kind services.

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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