



The data consortium consists of Denver Regional Council of Governments members and regional partners with an interest in geospatial data and collaboration. The data consortium newsletter improves communication among local geographic information systems professionals and features updates from all levels of government as they relate to data and geospatial initiatives in our region. This newsletter is published quarterly.

Data consortium annual survey

Your feedback is important to us! Please tell DRCOG how we can serve you better through our facilitation of the data consortium by filling out this [survey](#) by Nov. 8.

Preplan improvements using DRCOG planimetric data

Article submitted by Greg Hericks, GIS specialist at South Metro Fire Rescue. Greg can be reached at 720-989-2658 or greg.hericks@southmetro.org.

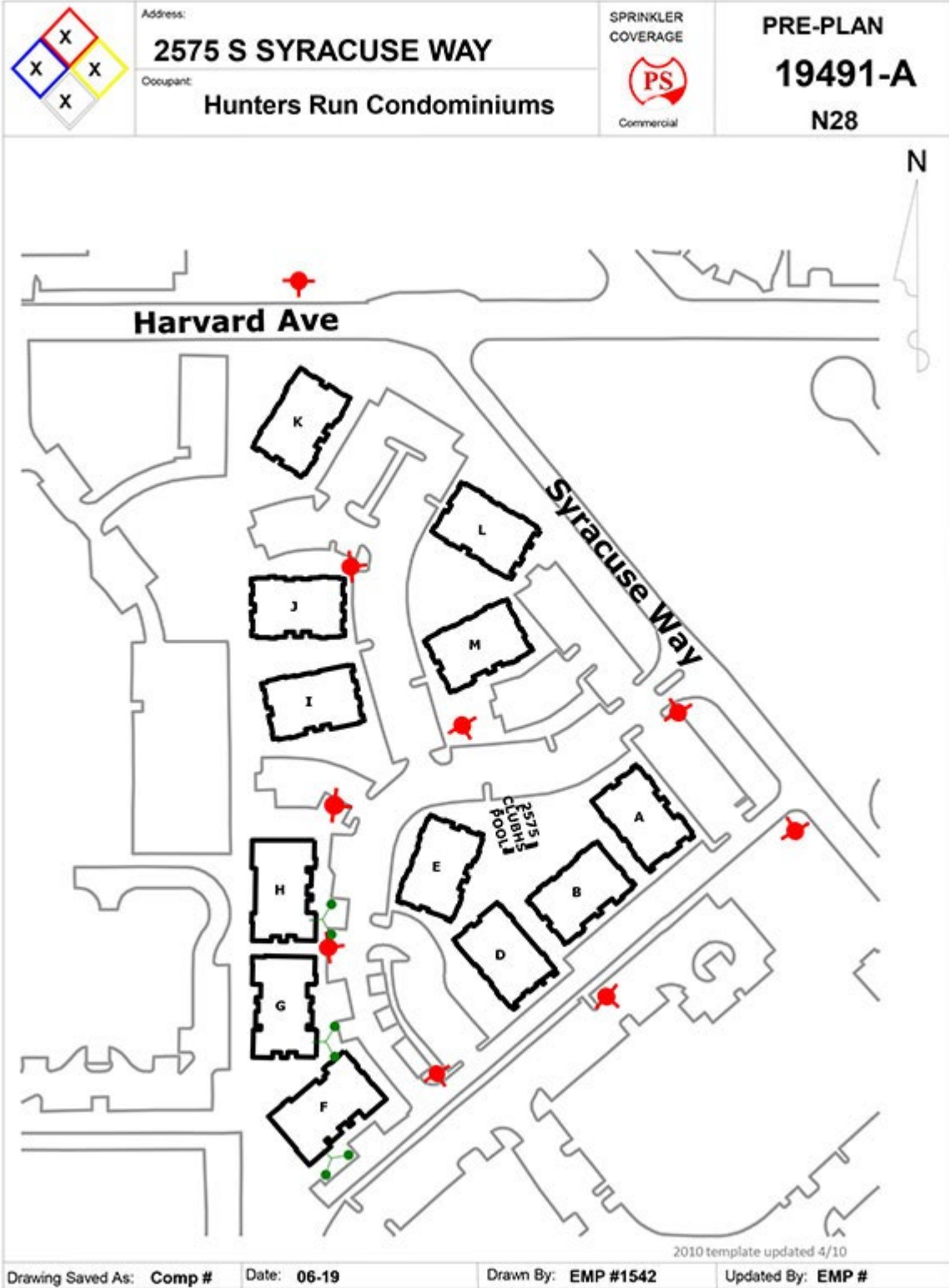
Fire and emergency medical services personnel are faced with a wide variety of emergency scenarios, and many tools and applications are used to ensure public safety and quicken response times. One of the applications used at many fire departments is known as the preplan. With an area of 285 square miles, where 29 fire stations serve over half a million residents of the south Denver metro area, South Metro Fire Rescue maintains over 6,000 preplans—one for each commercial or public building within its vast boundaries. DRCOG's planimetric data has been instrumental in improving the overall preplan process and has resulted in a more accurate and usable product for South Metro

Fire Resue's fire and emergency medical services personnel.

As the name implies, the preplan is a digital document that is reviewed prior to arriving on scene—often en route—and familiarizes first responders with building location and layout. The first page of the building preplan is an overhead drawing or site plan that serves as a map of the property. The site plan is where significant improvements have been made using planimetric data that provides a true representation of the built environment. Basic information, such as building footprints, parking lots and curb lines, is valuable to first responders in determining their quickest and best approach to the building and how it can be accessed from the street. In addition to the site plan, a floor plan (usually the second page) gives greater detail of the building interior.

South Metro Fire Rescue's preplans have evolved significantly over past years. In 2009, a typical preplan was a rudimentary digital rendering consisting of lines, symbols and text that was often distorted, not to scale and limited by the perception and imagination of the artist. Today, preplans are detailed, comprehensive, accurate and to-scale geographic information systems drawings that are far more reliable and useful in emergency situations. Thanks to the availability of DRCOG's planimetric data, South Metro Fire Rescue has saved countless hours in producing a better product. More importantly, South Metro Fire Rescue is equipping its emergency responders with a more accurate preplan that can help shave seconds off response times and contribute to more favorable outcomes in 911 emergency calls.

Sample preplan ([enlarge](#)):



Peer update: The Greater Philadelphia pedestrian network

Article submitted by Kim Korejko, data coordination manager at Delaware Valley Regional Planning Commission. Kim can be reached at 215-238-2936 or kkorejko@dvrpc.org.

Editor's note: Cities, counties and regions across the nation face similar challenges in

their roles as planners, implementors and providers of public services. Periodically, DRCOG features a project by one of our peers to demonstrate how they are using data and technology to address an urban development or transportation topic in their area.

The Delaware Valley Regional Planning Commission is creating a pedestrian facilities network for the Greater Philadelphia region. The GIS dataset inventories the presence of sidewalks and locations where curb ramps and crosswalks are or should be. The inventory will allow Delaware Valley Regional Planning Commission and its planning partners to map and measure the mileage and connectivity of sidewalks in the region or a local area, identify gaps in sidewalk infrastructure and set grounded targets for sidewalk network buildout. The inventory can also serve as a starting point for the development of priorities to address sidewalk gaps in the most appropriate places.

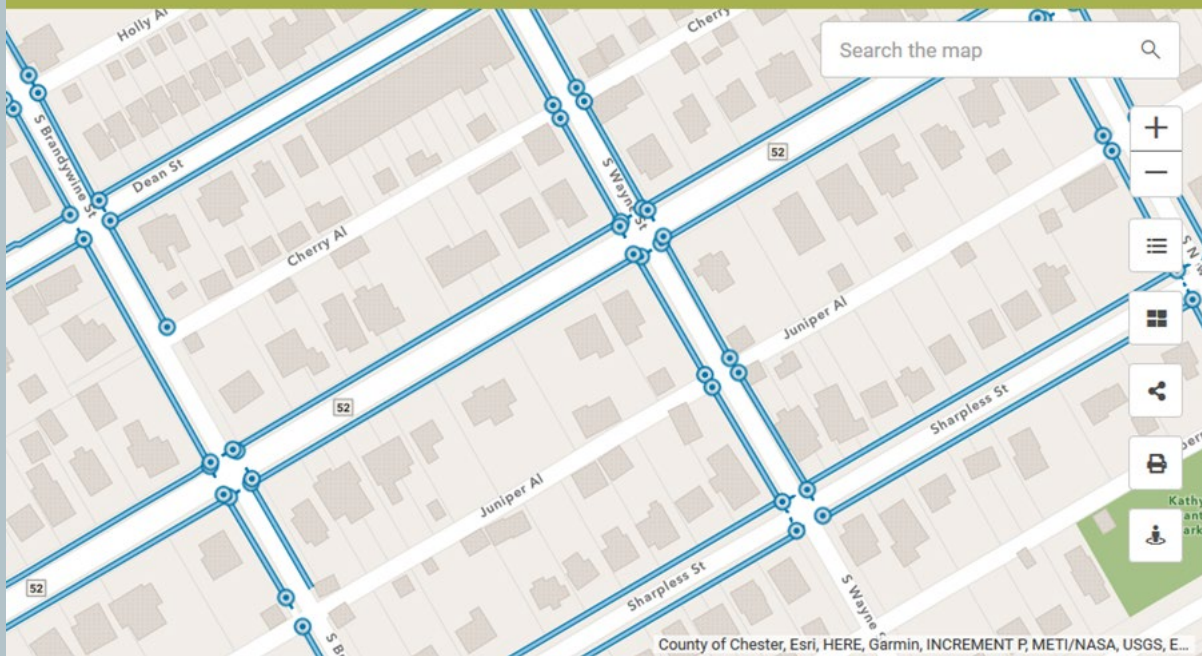
Delaware Valley Regional Planning Commission will be sharing the data through the Greater Philadelphia Pedestrian Portal, a website that: allows for collaboration between local, regional and state planning partners working on pedestrian improvements; provides access to and accommodates maintenance and enhancement of the pedestrian facilities inventory by local entities; and allows local and regional planning partners to share their pedestrian facility priorities.

The pedestrian network for the region will be released in phases, as the data is developed:

Counties	State	Release date
Bucks, Chester, Delaware, Montgomery*	Pennsylvania	Spring 2019
Burlington, Camden, Gloucester, Mercer	New Jersey	Fall 2020
Philadelphia	Pennsylvania	Spring 2020 (anticipated)

*Data for suburban Pennsylvania counties can be [downloaded here](#).

You can follow along with the project by visiting walk.dvrpc.org.



OpenStreetMap importation update

Article submitted by Margaret-Rose Spyker. Margaret is a GIS and data analyst at Xentix Corporation. She can be reached at mspyker.xentix@gmail.com.

In the fall of 2017, a few skilled OpenStreetMap-ers in the Denver community worked with the Denver Regional Council of Governments to prepare an import of planimetric building footprints professionally created from three-inch imagery. From that point, the goal of the project became the import of over 1 million buildings in the nine-county Denver metro area. The import effort is led by a team of OpenStreetMap-ers committed to contributing and validating a series of small bulk uploads. Anyone interested in helping can join the team's [monthly meetup](#).

The kickoff of the effort to engage editors from the OpenStreetMap community to import the data kicked off in summer 2018. Since then the team has imported more than 100,000 planimetric building footprints to bring the total number of buildings to around 300,000. Statistics on the project can be found on the tracking website [OpenStreetMap Denver Buildings Import](#). Some challenges and opportunities have arisen, and much of what has been learned in the first year will help accelerate the process for 2020.

In tandem with the import, the development of a quality control plan has begun. The quality control plan will incorporate address cleaning and unit counts where possible. The projected deadline for the second phase is in 2021, so the Denver Regional Aerial Photography Project 2018 and 2020 data will be invaluable in achieving project timelines.

DRCOG's regional micromobility work group

Article submitted by Emily Lindsey, AICP, transportation technology strategist at DRCOG. Emily can be reached at 303-480-5628 or elindsey@drcog.org.

DRCOG's regional micromobility work group was formed in early 2019 to implement action items from two recently completed planning efforts: DRCOG's [Active Transportation Plan](#) and the [Mobility Choice Blueprint report](#). The work group is made up of representatives from member governments and local partners including the Colorado Department of Transportation and the Regional Transportation District that are interested in small, human- and electric-powered transportation solutions such as bikes and scooters. One of the primary goals of the group is to collaborate on policy areas where a shared regional approach would benefit communities throughout the Denver region.

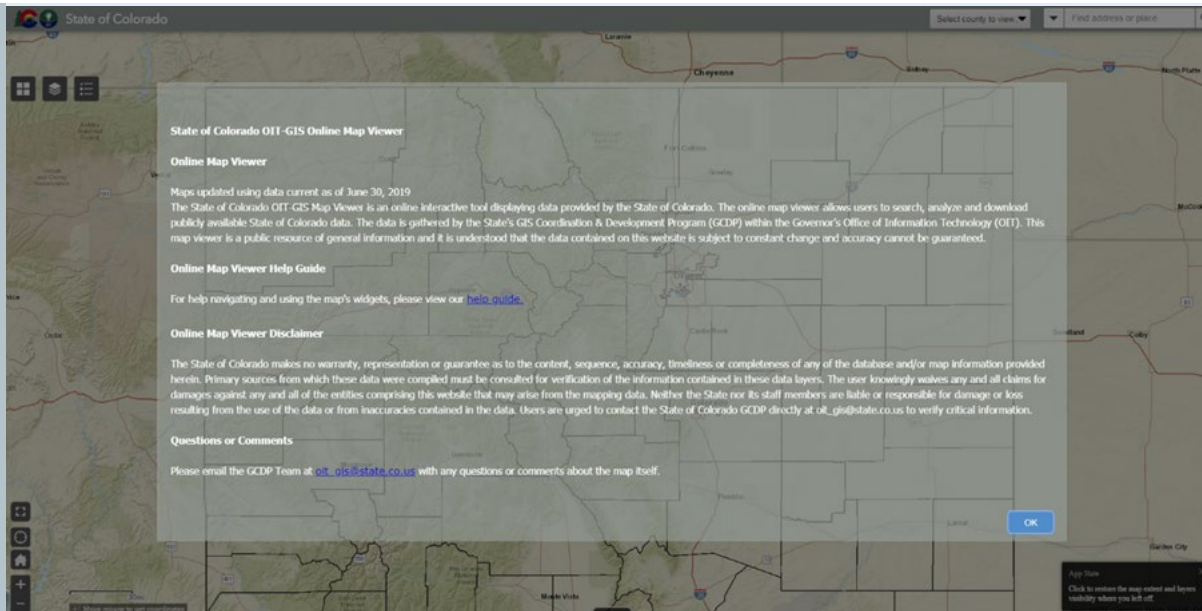
One such regional approach is collaboration on shared micromobility data standards, collection and evaluation. Public agencies can use the data generated from shared micromobility devices to regulate, evaluate and plan more effectively. The information can help communities better understand the effects of micromobility devices and how they relate to civic goals from mobility and safety to equity and air quality. Two of the most common specified data formats for micromobility data are the [General Bikeshare Feed Specification](#) and [Mobility Data Specification](#).

For more information on the micromobility work group and data, please contact Emily Lindsey, transportation technology strategist, at elindsey@drcog.org.

Introducing the new State of Colorado viewer

Article submitted by Genie Hays, GIS analyst at the Colorado Governor's Office of Information Technology. Genie can be reached at 303-764-6871 or genie.hays@state.co.us.

The State of Colorado has launched the new [State of Colorado viewer](#)! The viewer is an online interactive tool displaying data provided by the State of Colorado. The online map viewer allows users to search, analyze and download publicly available State of Colorado data. The data hosted on the viewer has been gathered from Colorado counties and state agencies by the GIS Coordination and Development program within the Governor's Office of Information Technology. For more information on the Office of Information Technology GIS team as well as its other projects, please visit its [Confluence page](#).



Denver GIS Day

Article submitted by Doug Genzer, GIS data administrator at the City and County of Denver. Doug can be reached at 720-913-4839 or Douglas.Genzer@denvergov.org.

Please join the City and County of Denver's GIS Day celebration on Wednesday, Nov. 20, from 10 a.m. to 2 p.m. in the Webb Building atrium (201 W. Colfax Ave.). This event is free, open to the public and does not require registration. GIS Day is an international event that recognizes the importance of geography and advances in geographic information systems technology. GIS is used to map, visualize and analyze data in order to better understand our world and effectively make decisions.

This year's event will showcase a wide range of GIS products, tools and applications from Denver's GIS community. Come learn how GIS is being deployed to improve the city. To celebrate this year's event, there will be a live music performance, free food, cake, prizes, presentations and interactive map displays.

Website: denvergov.org/gisday

GIS Day event schedule

10 a.m. - GIS Day kick-off

- opening remarks by David Edinger (chief information officer, City and County of Denver Technology Services)

10:30 a.m. – Map, poster gallery, networking and live music performance

- band to be determined

11:30 a.m. - Keynote speaker

- Frank Biasi – digital director, National Geographic Maps

12:15 p.m. - GIS lightning talks

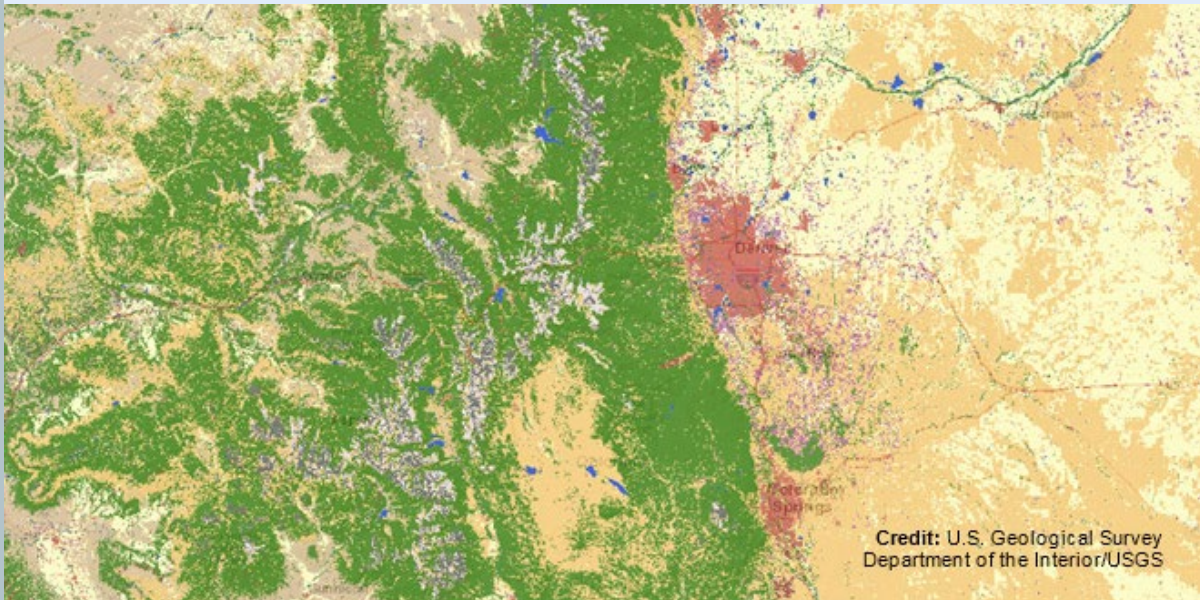
- to be determined

All day

- vendor displays
- exhibits
- map gallery
- food
- raffle

New feature on the Regional Data Catalog

Check out the new feature on our Regional Data Catalog – [land use land cover!](#)



Upcoming events

- data consortium meeting: Nov. 14 at 10 a.m. at the DRCOG offices
- [GISCO events](#)
- [OpenStreetMap Colorado Meetups](#)

Engage with us

- This quarterly newsletter reaches more than 300 people, has a higher-than-average open rate, and is written by professionals like you. It's the perfect place to show off your projects, highlight your great work and contribute ideas to the GIS community in the Denver region. Newsletter release dates are the 15th of January, April, July and October (or the next business day afterward). Please contact Ashley Summers at 303-480-6746 or asummers@drcog.org to contribute.
- Did you miss a newsletter or a meeting? [Visit our website](#) for past newsletter issues and DRDC meeting materials.



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