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Douglas County  
100 Third Street  
Castle Rock, CO 80104

April 30<sup>th</sup> 2026

Denver Regional Council of Governments (DRCOG)  
1001 17th Street  
Denver, CO 80202

Re: Letter of Interest – Regional Transportation Operations and Technology (RTO&T) Set-Aside Call-for-Projects

To the DRCOG Selection Committee,

I am writing to express the County's strong interest in pursuing DRCOG RTO&T Set-Aside to support the deployment of advanced traffic controller solution along the South Broadway corridor in Douglas County in 2027. This project directly supports DRCOG's regional priorities of safe operations, efficient travel, travel time reliability, equitable access, environmental sustainability, and advancing intelligent transportation technologies across the Denver metro area.

South Broadway is one of Douglas County's most heavily traveled north-south corridors, serving as a critical connection between residential neighborhoods, commercial centers, regional transit routes, and adjacent jurisdictions. As travel demand continues to grow, the corridor experiences recurring congestion, extended delays at key intersections, and limited operational flexibility due to aging signal infrastructure.

Preliminary operational assessments indicate that modernizing the South Broadway signal system in 2027 could reduce intersection delay by 10% or more, improve travel-time reliability, and support measurable reductions in emissions and fuel consumption. These improvements will benefit not only Douglas County residents but also the broader region, given South Broadway's role as a key multimodal arterial roadway.

The proposed 2027 project includes upgrades at ten (10) signalized intersections:

- South Broadway & Back Country Dr / Wildcat Reserve Pkwy
- South Broadway & Winterthur Way / Fairchild Dr
- South Broadway & Salford Ln / Sylvester Rd
- South Broadway & Kendrick Castillo Way / Burgundy Dr
- South Broadway & East Highlands Ranch Pkwy
- South Broadway & Northridge Recreation Center
- South Broadway & Plaza Dr / Northridge Rd
- South Broadway & Dad Clark Dr / Centennial Blvd
- South Broadway & Eastbound C-470 Ramp
- South Broadway & Westbound C-470 Ramp

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This project will replace outdated equipment with modern Advanced Traffic Controller (ATC) systems, improving reliability, safety, and operational efficiency. Each intersection will be equipped with:

- ATC Cabinet – \$37,000 (Approx.)
- ATC Controller – \$5,500 (Approx.)
- Advance Detection @ 900' – \$25,000 (Approx.)

The estimated total (equipment only) cost per intersection is approximately \$67,500, resulting in a total project cost of around \$675,000 for all ten intersections. With inflation factored in we are estimating a total project cost of \$700,000 with a 17.5% county match of \$122,500.

Upgrading the corridor with next-generation traffic controllers, cabinets and detection will allow us to:

- Implement traffic responsive signal timing that responds to real-time traffic fluctuations in vehicles, pedestrians and bicycles.
- Enhance functionality to mitigate vehicle & pedestrian conflicts by supporting flashing yellow arrow signal heads improving safety for vehicles, pedestrians, cyclists, and transit riders
- Enhance corridor coordination to reduce stops, queues, and travel-time variability
- Leverage high-resolution data for performance monitoring and ongoing optimization
- Prepare the corridor for future technologies, including connected-vehicle applications

This project aligns closely with DRCOG's vision for a connected, data-driven transportation network and supports long-term regional goals related to congestion mitigation, air quality, and system efficiency. South Broadway has a planned DRCOG re-timing project beginning in 2026 which only adds additional validity to a well-positioned, well-defined project with clear operational needs, and complimented by an experienced staff familiar with the technology proposed for deployment. The project is also entirely within Douglas County Right-of-Way and is isolated from CDOT's ITS infrastructure.

We appreciate DRCOG's continued leadership in advancing innovative transportation solutions and welcome the opportunity to submit a full application. We look forward to collaborating on a project that delivers meaningful, measurable benefits to the traveling public and strengthens the region's transportation system.

Thank you for your consideration.

Sincerely,

Jason Oldham  
Traffic Engineering and Operations Manager  
Douglas County  
720-673-4201  
joldham@douglasco.gov