

ORDINANCE/RESOLUTION REQUEST

Please email requests to Jason Gallardo, Department of Transportation & Infrastructure
at pw.ordinance@denvergov.org by **12:00pm NOON on Monday**. Contact Jason with questions.

Please mark one: Bill Request or Resolution Request Date of Request: 1/14/2021

1. Type of Request:

- Contract/Grant Agreement Intergovernmental Agreement (IGA) Rezoning/Text Amendment
- Dedication/Vacation Appropriation/Supplemental DRMC Change

2. Title: (Start with *approves, amends, dedicates*, etc., include name of company or contractor and indicate the type of request: grant acceptance, contract execution, contract amendment, municipal code change, supplemental request, etc.)

Approves a grant from CDOT to deploy infrared cameras for passive pedestrian detection at 17 intersections in pedestrian-heavy areas intersections. Contract #202157405

3. Requesting Agency: Department of Transportation & Infrastructure

4. Contact Person:

Contact person with knowledge of proposed ordinance/resolution	Contact person to present item at Mayor-Council and Council
Name: Michael Finochio	Name: Jason Gallardo
Email: michael.finochio@denvergov.org	Email: jason.gallardo@denvergov.org

5. General description or background of proposed request. Attach executive summary if more space needed:

The goal of this project is to deploy infrared cameras for passive pedestrian detection at 17 intersections in pedestrian-heavy areas intersections around Dicks Sporting Goods Park, the Pepsi Center, schools and midblock crossings. Additional intersections include Park Ave & Wewatta St as well as the Speer Blvd-29th Ave-Federal Blvd triangle due to its proximity to North High School, and the HAWK signal at Brighton Blvd and 33rd in the Rhino district. There are 17 intersections in total (see map and location list). Note that locations can be added, removed or changed throughout the entirety of the project based on funding and other constraints.

Currently in Denver, at intersections with high pedestrian volumes, the City will either install a push button for pedestrians/cyclists to actuate the signal or retime the signal to include a pedestrian recall phase. Intersections with push buttons are not always used by cyclists due to the difficulty accessing them, creating a safety hazard. Additionally, for citizens with visual or other impairments, the push buttons are not always easily accessible and can create a barrier to mobility. Placing the signal in pedestrian recall deteriorates the level-of-service of the intersection and transportation network.

Currently pedestrian detection is in recall which creates delays and makes signal timing less efficient. By taking signals off recall to detect pedestrians we are improving air quality and throughput of all modes of transportation.

The pedestrian detection cameras will place a call to the controller when pedestrians enter an area adjacent to the cross walk in a specific direction, and then hold the pedestrian crossing phase if the pedestrian hasn't finished making their crossing. This will allow Denver to maintain an optimal level-of-service by providing a safe pedestrian crossing phase only when pedestrians are present. This will also address the issues of accessibility of the push buttons by citizens with disabilities. As part of this project, we are also trying to work with vendors to design a system that lets pedestrians know they are being detected.

Construction will involve deploying video detection devices at the intersection or most feasible location for pedestrian detection. These will then be connected to the traffic controller and configured. At the 56th Avenue location, the intersections will be also used for Automated Traffic Signal Performance Measures that include pedestrian volume data.

6. City Attorney assigned to this request (if applicable): Jill Ferguson

7. City Council District: 8

To be completed by Mayor's Legislative Team:

Resolution/Bill Number: RR21 0074

Date Entered: _____

8. ****For all contracts, fill out and submit accompanying Key Contract Terms worksheet****

Key Contract Terms

Type of Contract: (e.g. Professional Services > \$500K; IGA/Grant Agreement, Sale or Lease of Real Property): **Grant**

Vendor/Contractor Name: **CDOT**

Contract control number: **202157405**

Location:

Is this a new contract? Yes No Is this an Amendment? Yes No If yes, how many? _____

Contract Term/Duration (for amended contracts, include existing term dates and amended dates):

Contract Amount (indicate existing amount, amended amount and new contract total): **\$1,158,457.00**

<i>Current Contract Amount</i> (A)	<i>Additional Funds</i> (B)	<i>Total Contract Amount</i> (A+B)
\$1,158,457.00	0	\$1,158,457.00

<i>Current Contract Term</i>	<i>Added Time</i>	<i>New Ending Date</i>
Execution to 12/17/2030		

Scope of work: The goal of this project is to deploy infrared cameras for passive pedestrian detection at 17 intersections in pedestrian-heavy areas intersections around Dicks Sporting Goods Park, the Pepsi Center, schools and midblock crossings. Additional intersections include Park Ave & Wewatta St as well as the Speer Blvd-29th Ave-Federal Blvd triangle due to its proximity to North High School, and the HAWK signal at Brighton Blvd and 33rd in the Rhino district. There are 17 intersections in total (see map and location list). Note that locations can be added, removed or changed throughout the entirety of the project based on funding and other constraints.

Was this contractor selected by competitive process? **N/A. Grant agreement**

Has this contractor provided these services to the City before? Yes No

Source of funds:

<u>Fund</u>	<u>Cost Center</u>	<u>WD Capital Program</u>	<u>Project</u>	<u>Grant ID</u>	<u>Amount</u>
38820	C5011000		GR00001807	Denver Passive Ped	\$926,766.00 CDOT
34993	C5011000	PZ130			\$ 231,691.00 City Match
					Total: \$1,158,457.00

ELEVATE DENVER BOND:

Is this contract subject to: W/MBE DBE SBE XO101 ACDBE N/A

WBE/MBE/DBE commitments (construction, design, Airport concession contracts): **N/A. Grant Agreement.**

Who are the subcontractors to this contract? **N/A. Grant Agreement**

To be completed by Mayor's Legislative Team:

Resolution/Bill Number: RR21 0074

Date Entered: _____