



Commerce City

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Council Communication

File Number: Ord 2345

Agenda Date: 8/2/2021

Version: 1

Status: ATS Review

In Control: City Council

File Type: Ordinance

AN ORDINANCE AMENDING THE 2021 BUDGET OF THE CITY OF COMMERCE CITY, COLORADO BY THE RECOGNITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION GRANT FUNDS FOR \$189,600 FOR THE IMPLEMENTATION OF AUTOMATED TRAFFIC SIGNAL PERFORMANCE MEASURES (ATSPM) AND THE AUTHORIZATION OF THE EXPENDITURE THEREOF

Summary and Background Information:

The City applied for and received a grant through the DRCOG Regional Operations & Technology (RTO&T) Set-Aside program. The City was awarded the grant in September of 2020. This program funds transportation technology improvements to traffic signal systems, intelligent transportation system projects, and other technology projects associated with any travel mode.

The City's project consists of signal technology upgrades that implement Automated Traffic Signal Performance Measures (ATSPM). An ATSPM system will continuously collect and analyze traffic signal operations data. The ATSPM utilizes high-resolution data collected by the traffic signal controller and parses this data into key measures of signal operations. ATSPM implementation will provide City staff with information needed to proactively identify and correct deficiencies in signal timing/operations and manage traffic signal maintenance/operations more efficiently. ATSPM's will also support the validation of other technologies and operational strategies, coordination plans and future connected vehicle systems and will allow a focus on proactive operations and maintenance practices. The anticipated outcome is improved efficiency and traffic safety through reduction of traffic congestion resulting from outdated signal timing.

The project scope includes implementation of ATSPM at twenty three (23) intersections along five (5) arterial corridors. The project will include implementation along 56th Avenue, Quebec Parkway, Highway 2, 104th Avenue and Tower Road. Additionally, in order to facilitate the ATSPM implementation, signal controllers, communication and detection systems will need to be upgraded at several existing signalized intersections.

July 19, 2021 Resolution 2021-53 approving the IGA was passed. This ordinance recognizes the grant funds associated with this project.

Staff Responsible (Department Head): Joe Wilson, Public Works Director

Staff Member Presenting: PW will answer questions as needed

Financial Impact: \$237,000 - Commerce City \$47,400, DRCOG \$189,600.

Funding Source: DRCOG

Staff Recommendation: Approve Ordinance 2345

Suggested Motion: Motion to approve Ordinance 2345