



# Commerce City

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## Council Communication

File Number: Res 2021-53

**Agenda Date:** 7/19/2021

**Version:** 1

**Status:** ATS Review

**In Control:** City Council

**File Type:** Resolution

### RESOLUTION AUTHORIZING EXECUTION OF INTERGOVERNMENTAL AGREEMENT BY AND BETWEEN THE CITY OF COMMERCE CITY AND THE COLORADO DEPARTMENT OF TRANSPORTATION FOR AUTOMATED TRAFFIC SIGNAL PERFORMANCE MEASURES PROJECT

#### **Summary and Background Information:**

The purpose of this resolution is to authorize the Mayor to enter into an IGA with CDOT for the advancement of the ATSPM Project.

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anticipated outcome is improved efficiency and traffic safety through reduction of traffic congestion resulting from outdated signal timing.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.

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

**Staff Member Presenting:** Brent Soderlin, City Engineer

**Financial Impact:** \$237,000 - Commerce City portion is \$47,000.

**Funding Source:** \$189,600 from DRCOG and \$47,400 from Commerce City. PW requested \$47,400 in the 2022 CIPP budget for ATSPM project.

**Staff Recommendation:** Approve.

**Suggested Motion:** I move to approve Resolution 2021-53.