

# COUNCIL COMMUNICATION

	Number:	<b>26-062</b>	Meeting:	<b>February 23, 2026</b>
	Agenda Item:	<b>8</b>	Roll Call:	<b>26-0223</b>
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Approving and authorizing execution of the Iowa Department of Transportation (IDOT) Iowa's Clean Air Attainment Program (ICAAP) agreement for the SE 14th Street (US 69) Corridor Adaptive Signal Control project.

## SYNOPSIS:

Recommend approval of ICAAP agreement number 2025-ICAAP-03 between the City of Des Moines and the IDOT for the SE 14th Street (US 69) Corridor Adaptive Signal Control project. This agreement will provide funding for the project with the goal of reducing congestion, thereby improving air quality. Improvements include replacing loop detection with video/radar detection, installing Accessible Pedestrian Signal (APS) push buttons for all pedestrian movements, updating pedestrian signal heads and ramps to comply with Public Right-of-Way Accessibility Guidelines (PROWAG), and installing an adaptive traffic signal control system for 25 intersections along E/SE 14th Street from Walker Street to Cummins Road.

## FISCAL IMPACT:

Amount: \$2,594,000 estimated cost

### Funding Source:

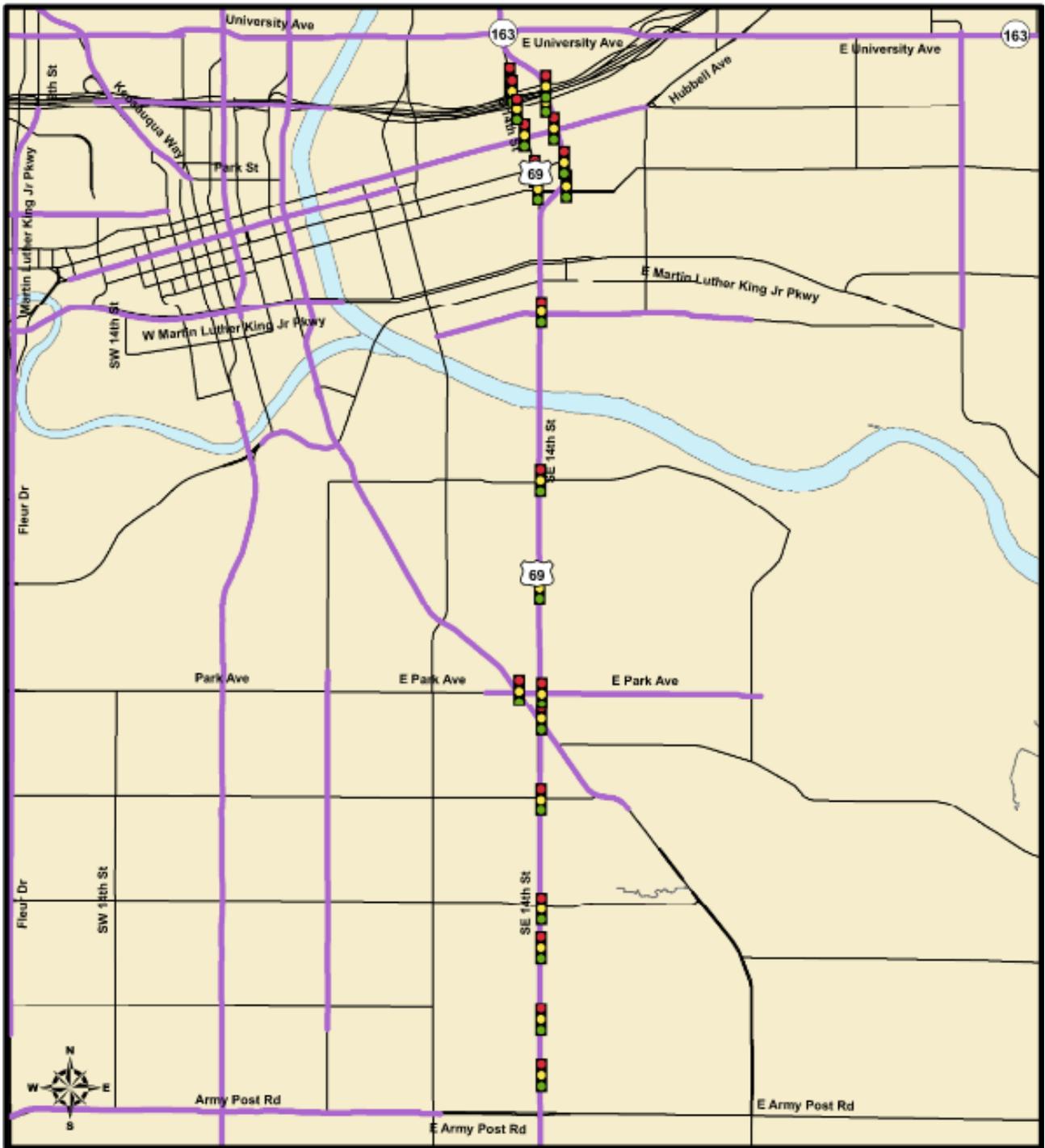
- \$2,075,000 –ICAAP
- \$518,880 – 2026-2027 CIP, Page 173, Traffic System Operation Improvements, TR097

## ADDITIONAL INFORMATION:

- The Federal Highway Administration (FHWA) established a Congestion Mitigation and Air Quality Improvement (CMAQ) program that directs Federal transportation funds for projects to reduce congestion and pollution. The IDOT has established the ICAAP program, which includes guidelines on how to prioritize the disbursement of these funds and provides approximately \$4 million annually statewide. ICAAP is implemented through a statewide competitive application process that evaluates each proposed project based on reducing congestion and pollution to help maintain the clean air quality that Iowa enjoys.
- The types of projects that are eligible for ICAAP include traffic flow improvements, shared-ride services, transit improvements, pedestrian and bicycle programs, among others.

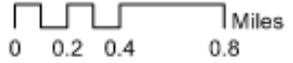
- The IDOT completed a corridor study, the US 69 from County Line Road to I-80 Location Study, in December 2021. In addition to many other infrastructure improvements, the study recommended adaptive traffic signal control be installed along the East 14th/Southeast 14th Street (US 69) corridor from University Avenue to Army Post Road to improve traffic operations and corridor reliability for peak and non-peak times.
- The City of Des Moines' Intelligent Transportation Systems (ITS) Master Plan, adopted at the November 19, 2018, City Council meeting, provided a framework for future traffic management and communication system infrastructure in the City of Des Moines. As part of that plan, adaptive traffic signal control on Southeast 14th Street (US 69) was also recommended.
- The Southeast 14th Street (US 69) Corridor Adaptive Signal Control project will enhance existing loop detection with video/radar detection, install pushbuttons for all pedestrian movements, update pedestrian signal heads, update pedestrian ramps to current standards, and install an adaptive traffic signal control along the corridor. The goal of the project is to promote efficient flow of traffic along the corridor during regular travel conditions and non-recurring congestion caused by unexpected or non-typical events. Installing the adaptive traffic signal control project will stabilize traffic flow and minimize queueing thereby reducing congestion and the amount of vehicle emissions along the corridor. The pedestrian improvements will encourage walking, potentially removing vehicles from the road, adding to the air quality benefit.
- Southeast 14th Street (US 69) is identified as part of the MPO's Congestion Management Process road network, and this project is consistent with MPO's long-range master plan.
- The map below shows the Southeast 14th Street (US 69) Corridor Adaptive Signal Control project limits. The project includes East 14th Street and East 15th Street from Walker Street to East Court Avenue (one-way pair section) as well as Southeast 14th Street from East Court Avenue to Cummins Road. This project will be incorporated into the design and construction of the ITS Master Plan.
- On September 16, 2024, by Roll Call No. 24-1215, City Council approved the ratification and submission of the Iowa Clean Air Attainment Program (ICAAP) funding application for the Southeast 14th Street (US 69) Corridor Adaptive Signal Control project. The City was awarded \$2,075,000 in ICAAP funding.
- The estimated project cost is \$2,594,000, with ICAAP funds in the amount of \$2,075,000. The remaining \$518,880 will be General Obligation Bonds. The project will be let by the DOT and is anticipated to begin construction in Fiscal Year 2027.

# ICAAP: SE 14th St (US 69) Corridor Adaptive Signal Control



## Legend

-  ICAAP Intersections
-  High Injury Network
-  Streets
-  Des Moines City Limits



**PREVIOUS COUNCIL ACTION(S):**

Date: September 16, 2024

Roll Call Number: [24-1215](#)

Action: [Approving](#) submission of the ICAAP funding application to the IDOT for the Southeast 14th Street (US 69) Corridor Adaptive Signal Control. ([Council Communication No. 24-367](#)) Moved by Gatto to adopt. Second by Voss. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

- Anticipated future actions related to this project include ordering construction, receive and file bids, designate lowest bidder, and approve contract and bond; also partial payments to the contractor and final acceptance of work. Additional maintenance costs are expected to maintain adaptive traffic control in the future.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the second floor of T.M. Franklin Cownie City Administration Building, 1200 Locust Street. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to [cityclerk@dmgov.org](mailto:cityclerk@dmgov.org).