


# COUNCIL COMMUNICATION

	Number:	<b>23-282</b>	Meeting:	<b>June 12, 2023</b>
	Agenda Item:	[ _____ ]	Roll Call:	[ _____ ]
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Approving and authorizing the execution of Agreements for Cooperative Public Service between Polk County, Iowa and the City of Des Moines, and between the Iowa Department of Transportation (IDOT) and the City of Des Moines for Traffic Signal Equipment Upgrades as part of the Intelligent Transportation Systems Master Plan – Phase 3 Project.

## SYNOPSIS:

Approving the Agreements for Cooperative Public Service between Polk County and the City of Des Moines, and between IDOT and the City of Des Moines for Traffic Signal Equipment Upgrades as part of the Intelligent Transportation Systems (ITS) Master Plan – Phase 3 Project along Iowa Highway 28/Merle Hay Road, Iowa Highway 415/2nd Avenue and US Highway 69/E 14th Street.

## FISCAL IMPACT:

Amount: \$29,990 – Polk County share  
\$95,693.75 – IDOT share

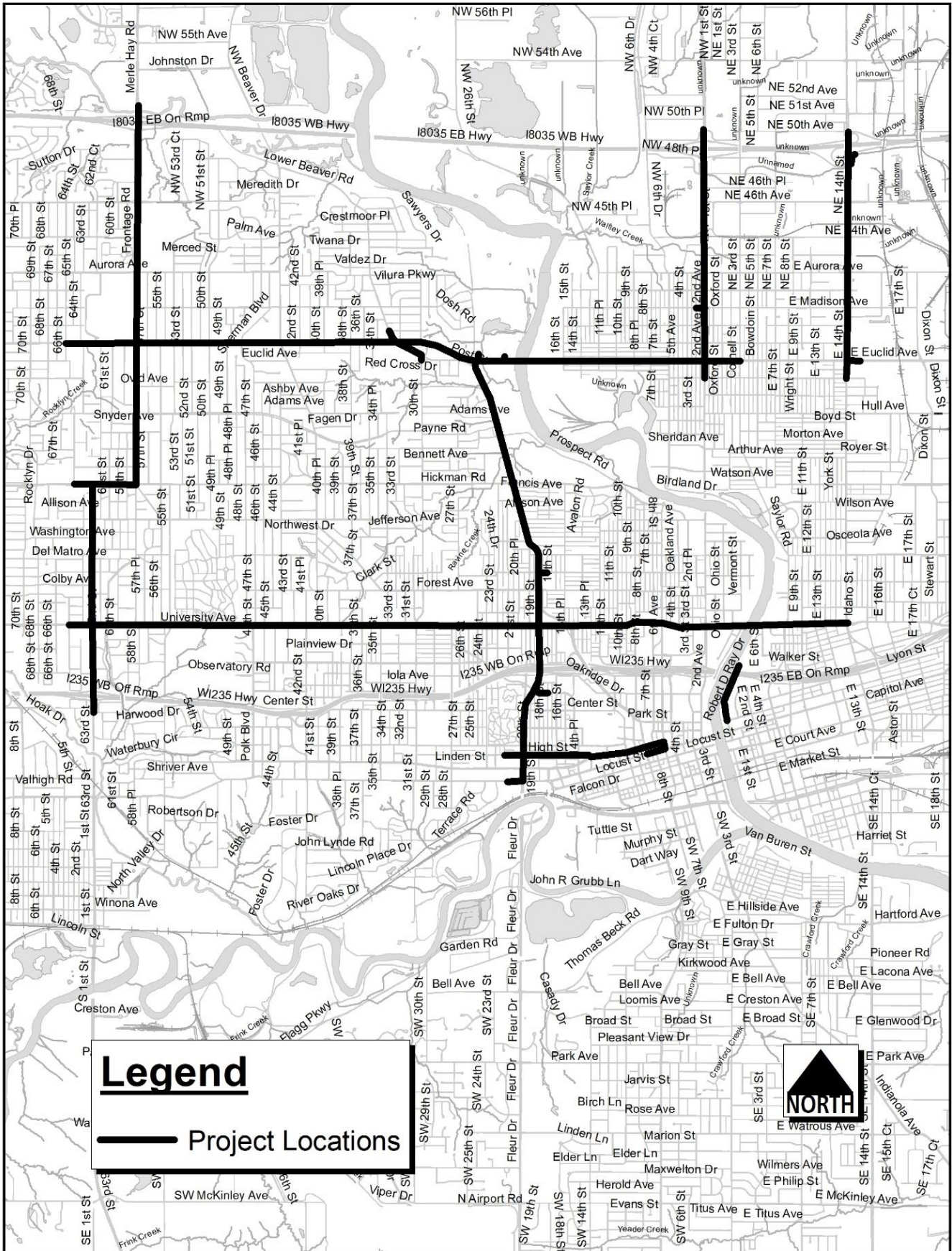
Funding Source: 2023-2024 CIP, Page 178, Traffic System Operation Improvements, TR097

## ADDITIONAL INFORMATION:

- The City of Des Moines, in coordination with Polk County and IDOT has developed plans to improve and upgrade the traffic signal equipment at several intersections on the north side of Des Moines along Iowa Highway 415/2nd Avenue and US Highway 69/E 14th Street. Several of the intersections that are proposed to be upgraded are currently owned by IDOT but maintained by the City of Des Moines as part of an annual maintenance agreement. Furthermore, there are currently fiber optic communication connections between IDOT traffic signals and traffic signals owned and maintained by Polk County. For continuity and consistency in the traffic signal equipment along these corridors, the traffic signal equipment and communications of these intersections would greatly benefit if upgraded as part of the City of Des Moines, ITS Master Plan – Phase 3 Project.
- The City of Des Moines ITS Master Plan Report was completed and adopted by the City Council in June 2018. The Report outlines a seven-phase implementation plan to upgrade of the City's ITS systems (traffic signals, communication network, video camera observation system, central management software, etc.) which will enable the City to actively manage traffic during peak travel times, special events, construction detours, and emergency situations. This capability will provide

safer and more efficient travel for people throughout the region as they travel to, from, or within Des Moines.

- Phase 3 of the ITS Master Plan implementation includes upgrading the traffic signal system communications infrastructure, communications network, traffic signal cabinet/controller and ITS equipment of the traffic signals identified in the map below.
- On December 12, 2022, by Roll Call No. 22-1943, City Council passed a resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating the lowest responsive, responsible bidder as Iowa Signal, Inc. (Wayne Lesley, President), for \$1,959,104.35.
- The intersections currently owned by IDOT and maintained by the City of Des Moines as part of an annual maintenance agreement that will be upgraded as part of this project include:
  - US 69/NE 14th Street and Broadway Avenue
  - US 69/NE 14th Street and I-35/80 South Ramp Terminal
  - US 69/NE 14th Street and I-35/80 North Ramp Terminal
  - IA 415/2nd Avenue and NW 47th Place/NW 48th Place
  - IA 415/2nd Avenue and I-35/80 South Ramp Terminal
  - IA 415/2nd Avenue and I-35/80 North Ramp Terminal
  - IA 28/Merle Hay Road and I-35/80 South Ramp Terminal
  - IA 28/Merle Hay Road and I-35/80 North Ramp Terminal
- The intersections currently owned and maintained by Polk County that will be upgraded as part of this project include:
  - IA 415/2nd Avenue and Aurora Avenue
  - IA 415/2nd Avenue and Broadway Avenue
- The City of Des Moines is the lead agency for this project and will be performing design and construction management. The proposed agreements have the City of Des Moines, Polk County, and IDOT sharing in the projects costs based on the ownership of the traffic signal equipment at each intersection.
- IDOT shall reimburse the City of Des Moines as part of this Cooperative Agreement for traffic signal upgrades at the above-listed intersections. The estimated cost of these upgrades is \$95,693.75.
- Polk County shall reimburse the City of Des Moines as part of this Cooperative Agreement for traffic signal upgrades at the above listed intersections. The estimated cost of these upgrades is \$29,990.



**Legend**

**— Project Locations**



**PREVIOUS COUNCIL ACTION(S):**

Date: December 12, 2022

Roll Call Number: [22-1943](#) and [22-1944](#)

Action: [On](#) Intelligent Transportation System Phase 3: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating the lowest responsive, responsible bidder as Iowa Signal, Inc. (Wayne Lesley, President), \$1,959,104.35. ([Council Communication No. 22-576](#)) Moved by Sheumaker to adopt. Second by Gatto. Motion Carried 7-0.

- (A) [Approval](#) of contract and bond and permission to sublet. Moved by Sheumaker to adopt. Second by Gatto. Motion Carried 7-0.

**BOARD/COMMISSION ACTION(S):**

Board: Transportation Safety Committee

Date: September 11, 2018

Resolution Number: N/A

Action: Motion was made by Jim Windsor to support investments in new technology and infrastructure; seconded by Scott Bents. Motion passed 8-0.

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Additional anticipated actions for the project include professional services agreement for design of construction plans, ordering construction, public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also, partial payments to the contractor and final acceptance of work.

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