


## COUNCIL COMMUNICATION

	Number:	<b>24-215</b>	Meeting:	<b>May 20, 2024</b>
	Agenda Item:	<b>7</b>	Roll Call:	<b>24-0722</b>
	Submitted by:	<b>Steven L. Naber, P.E., City Engineer</b>		

### AGENDA HEADING:

Items regarding the proposed Euclid Avenue 3-Lane Conversion (2nd Avenue to Des Moines River Bridge):

(A) Approving the Concept Plan for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge).

(B) Approving a Professional Services Agreement (PSA) with McClure Engineering Co. d/b/a McClure Engineering Company for professional services for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge), not to exceed \$180,700.

### SYNOPSIS:

The Concept Plan for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge) includes:

- Providing a three (3)-lane cross section on Euclid Avenue (U.S. Highway 6) from 2nd Avenue to the Des Moines River Bridge (curb and gutter changes with the 3-lane cross section are only from 2nd Avenue to 12th Street).
- Hot-mix asphalt resurfacing of Euclid Avenue from 2nd Avenue to the Des Moines River Bridge.
- Construction of curb extensions/bump outs at select intersections along Euclid Avenue from 2nd Avenue to 6th Avenue.
- Replacing and moving the curbs and gutters in on Euclid Avenue between 6th Avenue and 12th Street for the three (3)-lane cross section.
- Construction of curb extensions/bump outs at the intersections of 6th Avenue and Clinton Avenue and 6th Avenue and Douglas Avenue.

Upon approval of the Concept Plan, City staff recommend approval of the PSA with McClure Engineering Co. d/b/a McClure Engineering Company (Dustin Leo, P.E., Chief Executive Officer, 1360 NW 121st Street, Clive, Iowa 50325) for a total cost not to exceed \$180,700, based on hourly rates and reimbursable costs, to provide professional services for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge).

**FISCAL IMPACT:**

Amount for approving Professional Services Agreement: \$180,700

Estimated Total Project Cost: \$3,400,000 (includes approximately \$1.1 Million for hot-mix asphalt resurfacing costs with Iowa Department of Transportation {IDOT} participation)

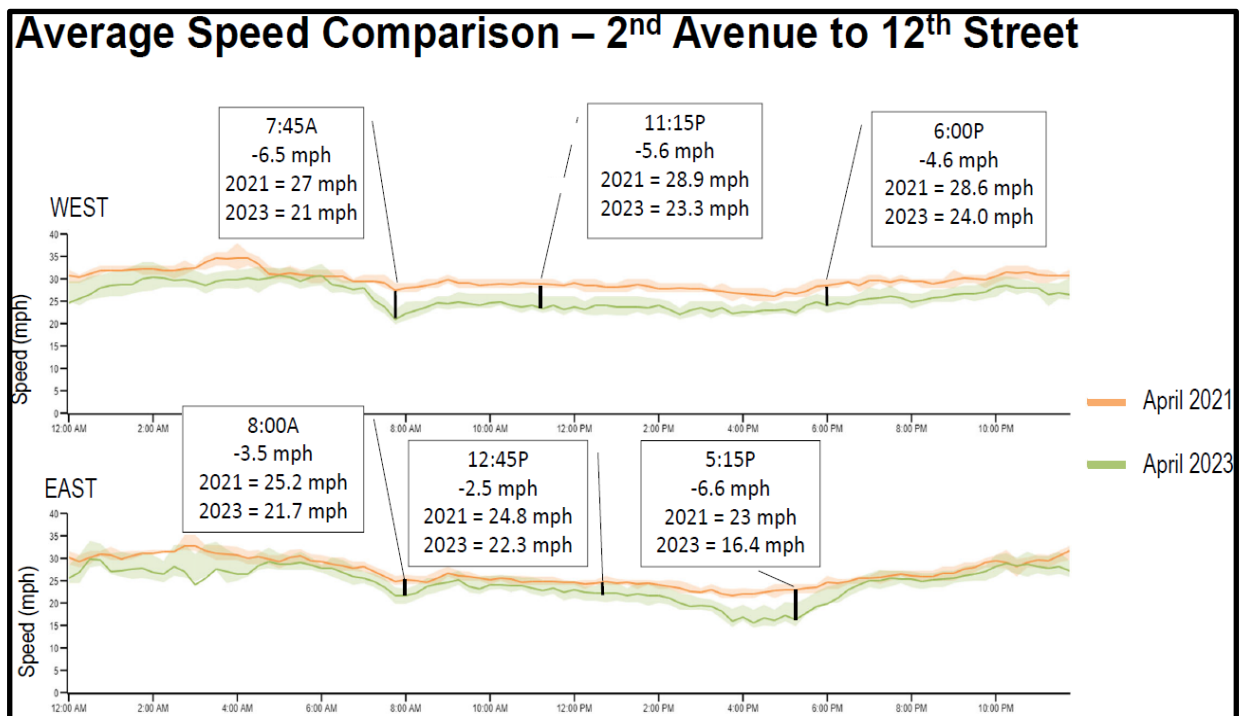
Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 102, E. Euclid Avenue, ST2847, G.O. Bonds

**ADDITIONAL INFORMATION:**

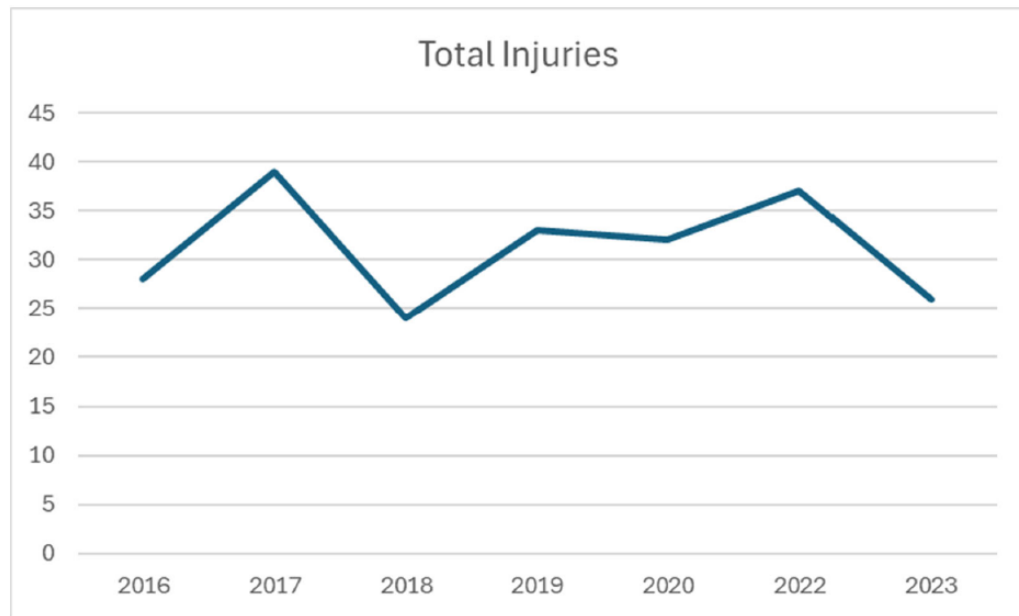
- Prior to August 2021, Euclid Avenue between 12th Street and 6th Avenue was a four (4)-lane cross section (two {2} westbound lanes and two {2} eastbound lanes). Prior to August 2021, Euclid Avenue between 6th Avenue and 2nd Avenue was a five (5)-lane cross section (two {2} westbound lanes, two {2} eastbound lanes, and center continuous two {2}-way left-turn lane).
- Euclid Avenue, also U.S. Highway 6, is under the jurisdiction and maintenance of IDOT.
- In 2018 and 2019, the Highland Park and Oak Park Neighborhood Associations, as well as the Ward Councilmember, made requests to implement a ‘road diet’ converting Euclid Avenue from 12th Street to 2nd Avenue to a three (3)-lane roadway, and add on-street parking on both sides Euclid of Avenue between 2nd Avenue and 6th Avenue. The Oak Park Special Investment District includes this roadway conversion as a goal.
- The goals of the ‘road diet’ project are to improve vehicular and pedestrian safety by calming traffic, add on-street parking that is utilized between 6th Avenue and 2nd Avenue, and generate economic development along the corridor.
- On June 24, 2019, by Roll Call No. 19-047, City Council directed City staff to submit a proposal to IDOT for the Euclid Avenue (U.S. Highway 6) Lane Reduction Pilot Project.
- City staff prepared a proposal to implement a Pilot Project which converts Euclid Avenue from 12th Street to 2nd Avenue to a three (3)-lane cross-section roadway consisting of one (1) westbound lane, one (1) eastbound lane and a center continuous two (2)-way, left-turn lane while adding on-street parking along both sides of Euclid Avenue between 6th Avenue and 2nd Avenue. The parking provided by these modifications is available all day with no peak-hour time restrictions. The Pilot Project improvements were accomplished with pavement markings, temporary curb bump outs (between 2nd Avenue and 6th Avenue to shield the added on-street parking), and signage.
- On July 22, 2019, IDOT approved the City’s Pilot Project proposal, which included the Pilot Project Evaluation Criteria.
- On March 22, 2021, by Roll Call No. 21-0509, City Council held a public hearing on Euclid Avenue Three Lane Pilot Project, 2nd Avenue to 12th Street: Resolution approving plans,

specifications, form of contract documents, engineer's estimate, receiving bids and designating lowest responsible bidder as Van Maanen Electric, Inc. (Nathan S. Van Maanan, President), \$127,825.67.

- In August 2021, the Pilot Project was constructed with pavement markings, temporary curb bump outs (between 2nd Avenue and 6th Avenue to shield the added on-street parking), and signage.
- The daily traffic volumes, around 20,000 vehicles per day, on Euclid Avenue were at the capacity of what a typical three (3)-lane roadway can handle, and City Engineering staff, IDOT staff, and HDR, a traffic engineering consultant to the City, had concerns for potential adverse effects from the Pilot Project (delays causing motorists to take alternate routes down adjacent residential streets, increased fuel consumption and CO2 emissions). City staff and IDOT collected and analyzed before and after Pilot Project data.
- The comparison of before (April 2021) and after (April 2023) data for the Pilot Project showed:
  - **Average Speeds across the Pilot Project decreased from April 2021 to April 2023.** INRIX traffic data, which is data collected anonymously from cars, trucks, taxis, and many other types of vehicles as well as from GPS-enabled smartphones showed that average speeds significantly decreased on Euclid Avenue from 2nd Avenue to 12th Street from April 2021 to April 2023. As shown in the graph below, the average speed of vehicles traveling westbound on Euclid Avenue from 2nd Avenue to 12th Street at 7:45AM during the month of April 2021 was 27 mph, but only 21 mph in April 2023.



- **While traffic volumes on Euclid Avenue increased from 2021 to 2023, crashes did not increase, and injury crashes declined from 2021 to 2023.**

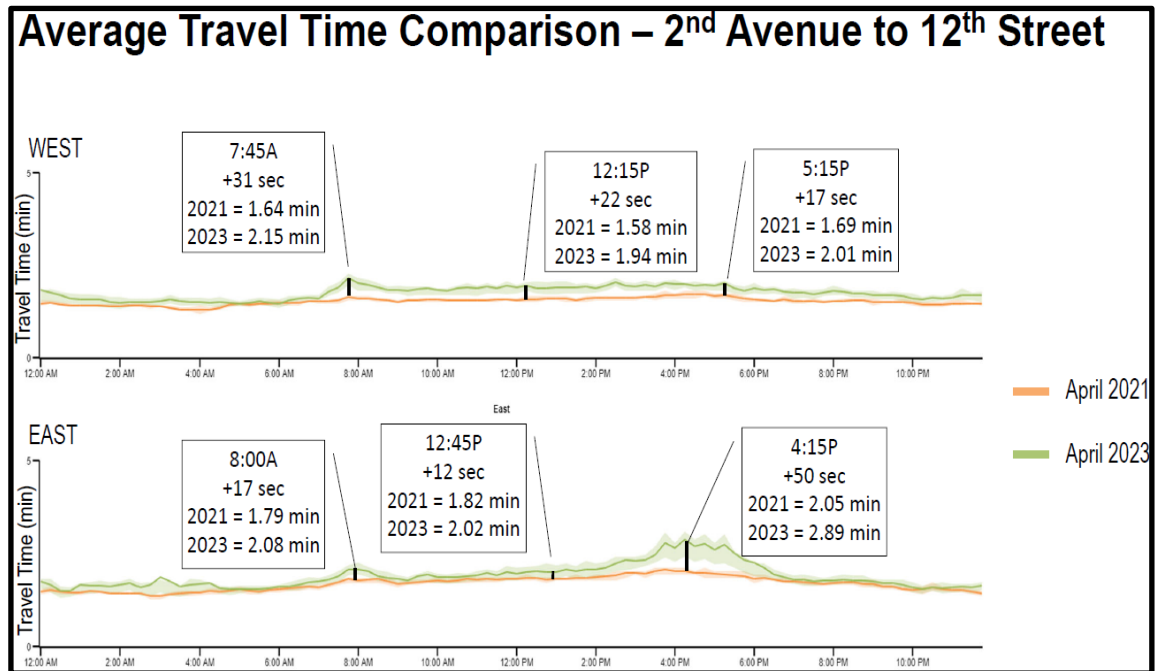


**Above Graph: Total Injuries from Crashes on Euclid Avenue between 12th Street and 2nd Avenue (2016-2023)**

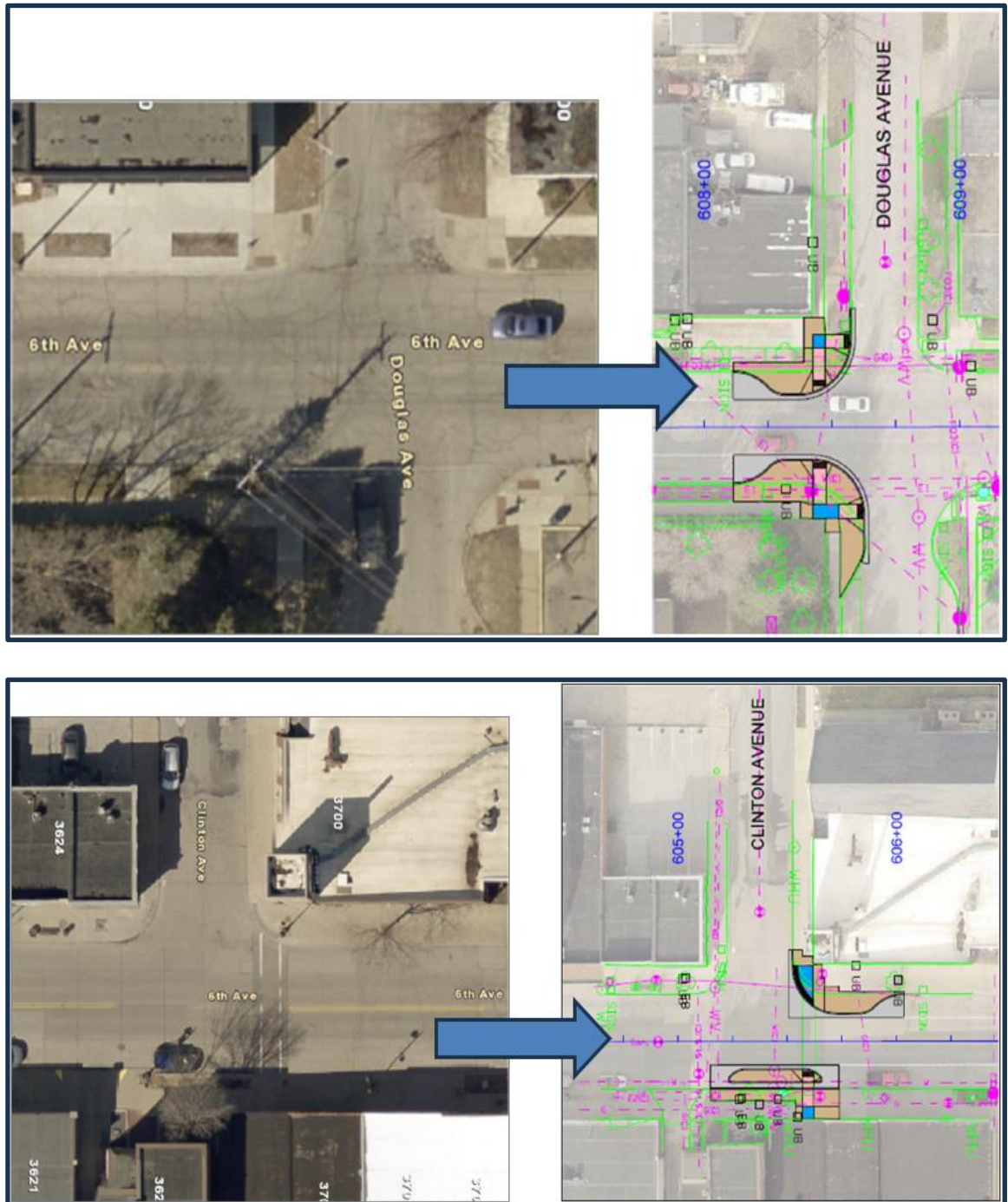
- **On-street parking utilization on Euclid Avenue increased from 2022 to 2023 as more businesses opened along the corridor.** Please see below example table showing parking utilization on Saturday mornings in 2022 compared to 2023.

Euclid Ave Performance Measures	Before Data (2021)	After Data (2022)	After Data (2023)
<b>Parking Utilization</b> (Average utilization on Saturday)			
8:00am to 9:00am	n/a	2%	2%
9:00am to 10:00am		5%	9%
10:00am to 11:00am		4%	20%
11:00am to 12:00pm		8%	25%

- **Travel times across the Pilot Project marginally increased from April 2021 to April 2023, ranging from an increase of 12 seconds to 50 seconds during peak hours.** INRIX traffic data, which is data collected anonymously from cars, trucks, taxis, and many other types of vehicles as well as from GPS-enabled smartphones showed that average travel times marginally increased on Euclid Avenue from 2nd Avenue to 12th Street from April 2021 to April 2023. As shown in the graph below, the average travel time of vehicles traveling westbound on Euclid Avenue from 2nd Avenue to 12th Street at 7:45AM during the month of April 2021 was 1.64 minutes (or roughly 1 minute 38 seconds) but increased 31 seconds to 2.15 minutes (or roughly 2 minutes 9 seconds) in April 2023.



- **Traffic volumes collected on Euclid Avenue, Douglas Avenue, Ovid Avenue, Oak Park Avenue, Seneca Avenue and Madison Avenue in April 2021 and April 2023 did not indicate a shift of traffic volumes from Euclid Avenue to side streets.**  
Travel volumes on Euclid Avenue increased from April 2021 to April 2023, indicating traffic in general is not leaving or avoiding the corridor.
- Based on the above results, IDOT and City staff do not recommend converting Euclid Avenue from the current three (3)-lane configuration back to a four (4)-lane undivided roadway west of 6th Avenue and a five (5)-lane roadway between 2nd Avenue and 6th Avenue.
- Based on reviewing before and after Pilot Project data and public feedback during the Pilot Project, City staff proposed the following modifications:
  - The three (3)-lane cross section on Euclid Avenue will be extended west from 12th Street down to the Euclid Avenue Bridge over Des Moines River with hot-mix asphalt pavement resurfacing and pavement markings.
  - A right turn lane has been added for eastbound traffic on Euclid Avenue at 2nd Avenue.
  - Two (2) existing, eastbound, DART bus stops on Euclid Avenue at 2nd Avenue and 4th Street will be consolidated into one (1) DART bus stop, due to proximity to each other and reduce bus stoppage time along the corridor.
  - The right turn on red prohibition for northbound traffic at the intersection of Euclid Avenue and 6th Avenue will be removed now that the building at the southwest corner has been removed and the new, proposed building will be set back to allow adequate sight distance.
  - Curb bump outs/extensions will be added to improve intersection visibility and pedestrian crossing safety of 6th Avenue at Douglas Avenue and Clinton Avenue (please see concept drawings below).



- City staff recommend proceeding with the design of the following Concept Plan for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge):
  - Providing a three (3)-lane cross section on Euclid Avenue (U.S. Highway 6) from 2nd Avenue to the Des Moines River Bridge (curb and gutter changes with the three (3)-lane cross section are only from 2nd Avenue to 12th Street).
  - Hot-mix asphalt resurfacing of Euclid Avenue from 2nd Avenue to the Des Moines River Bridge.
  - Construction of curb extensions/bump outs at select intersections along Euclid Avenue from 2nd Avenue to 6th Avenue.



- Replacing and moving the curbs and gutters in on Euclid Avenue between 6th Avenue and 12th Street for the three (3)-lane cross section.
  - Construction of curb extensions/bump outs at the intersections of 6th Avenue and Clinton Avenue and 6th Avenue and Douglas Avenue.
- City staff presented these results and recommendations at a public meeting on April 24, 2024, at the Polk County Northside Community Center.
- A Request for Proposals (RFP) for professional services for the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge) Project was issued and posted on the City's website. A selection committee of Engineering Department staff reviewed and rated the four (4) proposals received in response to the RFP. McClure Engineering Company was selected for this project based upon the selection criteria in the RFP and their project understanding and relevant project experience.
- City staff negotiated a PSA with McClure Engineering Company for a total cost not to exceed \$180,700, based on hourly rates and reimbursable costs, to provide project/contract management, project coordination, final design phase services, survey services, and bidding phase services.
- If City staff and its consultant, McClure Engineering Company, start design of the Concept Plan in late May 2024, construction would be anticipated to start in the summer 2025. IDOT has agreed to participate in the cost of the hot-mix asphalt resurfacing Euclid Avenue as part of the project.

**PREVIOUS COUNCIL ACTION(S):**

Date: March 22, 2021

Roll Call Number: [21-0509](#)

Action: [On](#) Euclid Avenue Three Lane Pilot Project, 2nd Avenue to 12th Street: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receiving bids and designating lowest responsible bidder as Van Maanen Electric, Inc. (Nathan S. Van Maanan, President), \$127,825.67. ([Council Communication No. 21-123](#)) Moved by Westergaard to adopt. Motion Carried 7-0.

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

Board: Transportation Safety Committee

Date: June 11, 2019

Resolution Number: N/A

Action: Motion was made by Dave Ferree to express support to the City Council that the City present the Proposed Euclid Avenue Lane Reduction Pilot Project to IDOT; seconded by Meg Schneider. Motion passed 7-0.

Board: Transportation Safety Committee

Date: May 14, 2024

Resolution Number: N/A

Action: Motion was made by Tony Filippini to approve the recommended permanent improvement project on Euclid Avenue between 2nd Avenue and the Des Moines River Bridge; seconded by Meg Schneider. Motion passed 7-0.

### **ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

City staff do not anticipate any future Council actions on this Professional Services Agreement at this time; however, unanticipated changes to this Professional Services Agreement will require a Supplemental Agreement which may require Council action. The City Council should anticipate future Council actions related to proceeding with construction of the Euclid Avenue three (3)-Lane Conversion (2nd Avenue to Des Moines River Bridge).

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 first floor of City Hall, 400 Robert D Ray Drive. 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).