

**CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION**

Appld with Amendment to Specify a minimum 9-month timeframe By order of WEST Des Moines CITY Council February 20, 2023

7(b)

ITEM:

DATE: February 20, 2023

Motion – Approval of Design Criteria
Ashworth Road Restriping - 1st Street to 19th Street
To be merged with:
2022 Pavement Markings and On-Street Bike Markings Program (0510-004-2022)

FINANCIAL IMPACT:

Approximately \$100,000 to be funded from account 500.000.000.5250.490 with the ultimate funding anticipated to come from General Obligation Bonds.

BACKGROUND:

The City Council held workshops on November 7, 2022, and January 3, 2023, to discuss the possible inclusion of a multi-use trail and the road design criteria (3-lane vs 4-lane) on the Ashworth Road Improvements. In those meetings and subsequent discussion, the City Council suggested that a section of Ashworth Road be restriped to 3-lanes to observe performance for a stretch of time.

OUTSTANDING ISSUES:

Staff has reviewed this suggestion and recommends the following:

- Remove existing pavement markings and restripe existing Ashworth Road (36 feet wide from curb face to curb face) from 1st Street to 19th Street as a 3-lane roadway with a 12-foot center turn lane and two 11-foot through lanes with a 1-foot curb offset. This will meet design standards per Iowa Statewide Urban Design Standards and Specifications (SUDAS). Modifications to traffic signals at 1st Street and at 8th Street may also be necessary to accommodate the changes to the intersection approaches. If it is determined that a 3-lane cross section is not desired, a 4-lane section can be restored upon reconstruction.
- Perform this work after the 8th Street Reconstruction from Center Street to Office Park Road is completed and open to traffic, which is expected in July 2023. Although the 8th Street Reconstruction project will continue from Office Park Road to Clegg Road and may affect traffic patterns in the area, re-opening 8th Street from Center Street to Office Park Road will lessen the impact to traffic patterns on Ashworth Road.
- Capture performance and crash data on Ashworth Road from 1st Street to 19th Street before and after the restriping occurs. Staff will review the data and anticipate providing a recommendation to the City Council as to the design cross-section for Ashworth Road Improvements from 1st Street to 50th Street in January 2024. The list of criteria staff will use to determine their recommendation are as follows:

**CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION**

7(b)

ITEM:

DATE: February 20, 2023

Motion – Approval of Design Criteria
Ashworth Road Restriping - 1st Street to 19th Street
To be merged with:
2022 Pavement Markings and On-Street Bike Markings Program (0510-004-2022)

FINANCIAL IMPACT:

Approximately \$100,000 to be funded from account 500.000.000.5250.490 with the ultimate funding anticipated to come from General Obligation Bonds.

BACKGROUND:

The City Council held workshops on November 7, 2022, and January 3, 2023, to discuss the possible inclusion of a multi-use trail and the road design criteria (3-lane vs 4-lane) on the Ashworth Road Improvements. In those meetings and subsequent discussion, the City Council suggested that a section of Ashworth Road be restriped to 3-lanes to observe performance for a stretch of time.

OUTSTANDING ISSUES:

Staff has reviewed this suggestion and recommends the following:

- Remove existing pavement markings and restripe existing Ashworth Road (36 feet wide from curb face to curb face) from 1st Street to 19th Street as a 3-lane roadway with a 12-foot center turn lane and two 11-foot through lanes with a 1-foot curb offset. This will meet design standards per Iowa Statewide Urban Design Standards and Specifications (SUDAS). Modifications to traffic signals at 1st Street and at 8th Street may also be necessary to accommodate the changes to the intersection approaches. If it is determined that a 3-lane cross section is not desired, a 4-lane section can be restored upon reconstruction.
- Perform this work after the 8th Street Reconstruction from Center Street to Office Park Road is completed and open to traffic, which is expected in July 2023. Although the 8th Street Reconstruction project will continue from Office Park Road to Clegg Road and may affect traffic patterns in the area, re-opening 8th Street from Center Street to Office Park Road will lessen the impact to traffic patterns on Ashworth Road.
- Capture performance and crash data on Ashworth Road from 1st Street to 19th Street before and after the restriping occurs. Staff will review the data and anticipate providing a recommendation to the City Council as to the design cross-section for Ashworth Road Improvements from 1st Street to 50th Street in January 2024. The list of criteria staff will use to determine their recommendation are as follows:

- Crash Data
- Capture Video and Analyze in Multiple Locations
 - Backups
 - Level of Service
 - General Conflicts
- Capture Speed Data
 - Analyze Speed Differential/Range of Speeds
- Interviews
 - Valley High School Officials
 - Public Safety Employees
 - Metro Waste Authority
 - Des Moines Area Regional Transit (DART)

RECOMMENDATION:

City Council Adopt:

- Motion approving the recommendations listed above.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer

STAFF REVIEWS

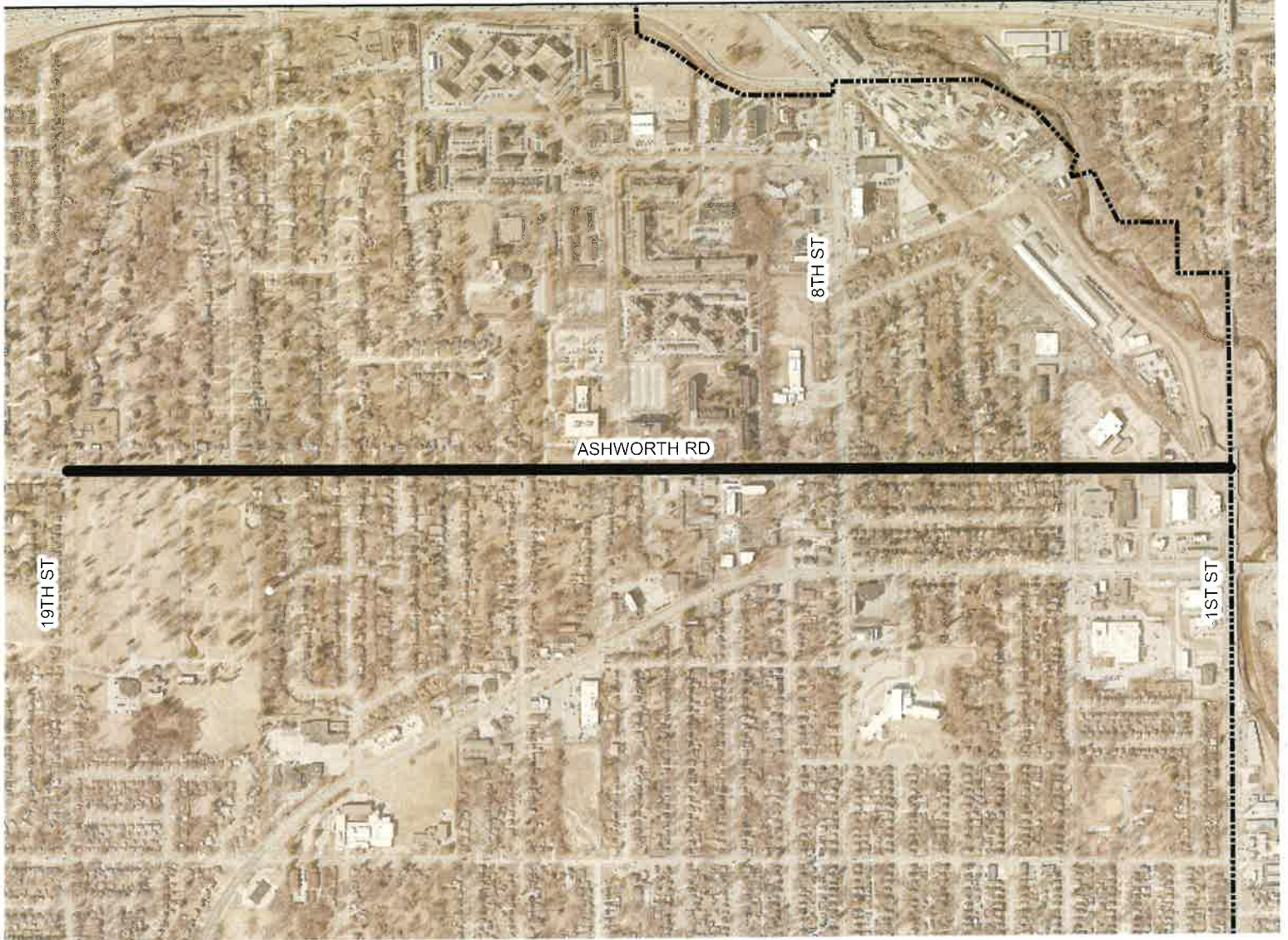
Department Director	Brian J. Hemesath, City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	<i>RTJ</i>

PUBLICATION(S) (if applicable)

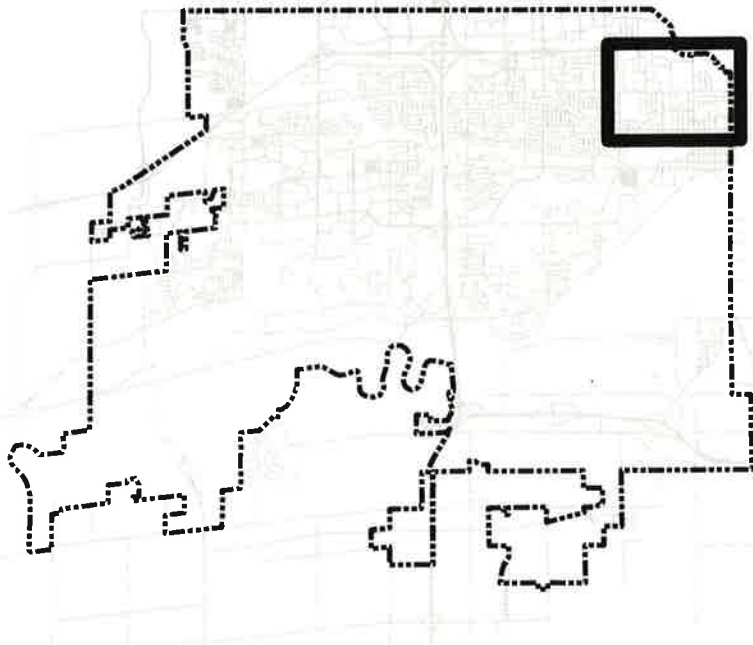
Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services
Date Informed	February 13, 2023
No Deliberation or Action Taken	



VICINITY MAP



LEGEND

PROJECT LOCATION



PROJECT:

Ashworth Road Restriping

LOCATION:

1st Street to 19th Street

DRAWN BY: JPM

DATE: 2/14/2023

PROJECT NUMBER/NAME: 0510-050-201

SHT. 1 of 1