 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: July 23, 2018
	Agenda Item No. 45 Roll Call No. [] Communication No. <u>18-389</u> Submitted by: Steven L. Naber, P.E., City Engineer

AGENDA HEADING:

Amending Chapter 114 of the Municipal Code regarding traffic regulation changes as follows:

- A. Speed limit reduction on SW 9th Street from Bancroft Street to Lacona Avenue.
- B. Removal of pedestrian crossing signal on E Grand Avenue at former Brooks Elementary.
- C. Installation of traffic signals – E 46th/Hubbell, SW 63rd/Creston, E 6th/Des Moines, Martin Luther King Jr. Parkway/Prospect.

SYNOPSIS:

Recommend approval of the staff recommendations and the ordinance regarding the traffic regulation changes.

FISCAL IMPACT:

Amount: Minor costs for sign installations.

Funding Source: 2018-19 Operating Budget, Page 84 Engineering Department Traffic and Transportation—Sign, Painting, Signal and Lighting, EG062080.

ADDITIONAL INFORMATION:

- A. A request was received from the Indianola Hills Neighborhood Association, area business owners, and the City Council representative to look at ways to improve safety on SW 9th Street in the area of Davis Avenue and MacRae Park.

A review of crash data over the past five (5) years reveals that the second highest crash type was single-vehicle type crashes. Of the 89 crashes that occurred on SW 9th Street between Kirkwood Avenue and Bancroft Street, 25% were single-vehicle crashes. It appears that many of these involved a vehicle hitting a light pole. In addition, 44% of the overall crashes that occurred resulted in some type of injury, including a fatal crash which occurred near Davis Avenue in 2015.

SW 9th Street is a 4-lane, 40-foot wide street. The narrow lanes combined with the curves, vehicle speeds, and proximity of the light poles seem to be contributing factors to the single-vehicle type crashes that are occurring. SW 9th Street is 35 mph in this area and transitions to 30 mph at Lacona Avenue.

The draft plan for MoveDSM identifies SW 9th Street as a Community Mixed Use street. The proposed guiding policies for a Community Mixed Use street state that the maximum speed limit on a Community Mixed Use street should be 30 mph.

Given the crash history, along with the proposed guiding policies out of MoveDSM, it is recommended that the section of SW 9th Street from north of Lacona Avenue to just north of Bancroft Street be changed from 35 mph to 30 mph. The following revisions to the Municipal Code will place this speed limit into effect.

Sec. 114-1248. Southwest Ninth Street.

Southwest Ninth Street, from Vine Street to Bancroft Street ~~Lacona Avenue~~, 35 miles per hour.

Southwest Ninth Street, from ~~Lacona Avenue~~ Bancroft Street to McKinley Avenue, 30 miles per hour.



- B. GuideDSM - Principal 2, set the vision for great neighborhoods that have quality, well maintained public infrastructure. Many of the City’s midblock pedestrian signals that serve current or former school sites are at the end of their useful life and need replaced. Before planning for a replacement, City staff assessed the need for the signals to remain.

Pedestrians were counted at all midblock school signal locations at current or former school sites. One (1) signal, at the former Brooks Elementary, has the lowest usage and is proposed for removal. More information is below:

General Location	Signal Location	Number of pedestrians crossing per day in crosswalk	Number of pedestrians crossing per day outside of crosswalk	Other Info
Former Brooks Elementary	E Grand Avenue, just east of E 21 st Street	1	7	Building was sold and removed, homes now there

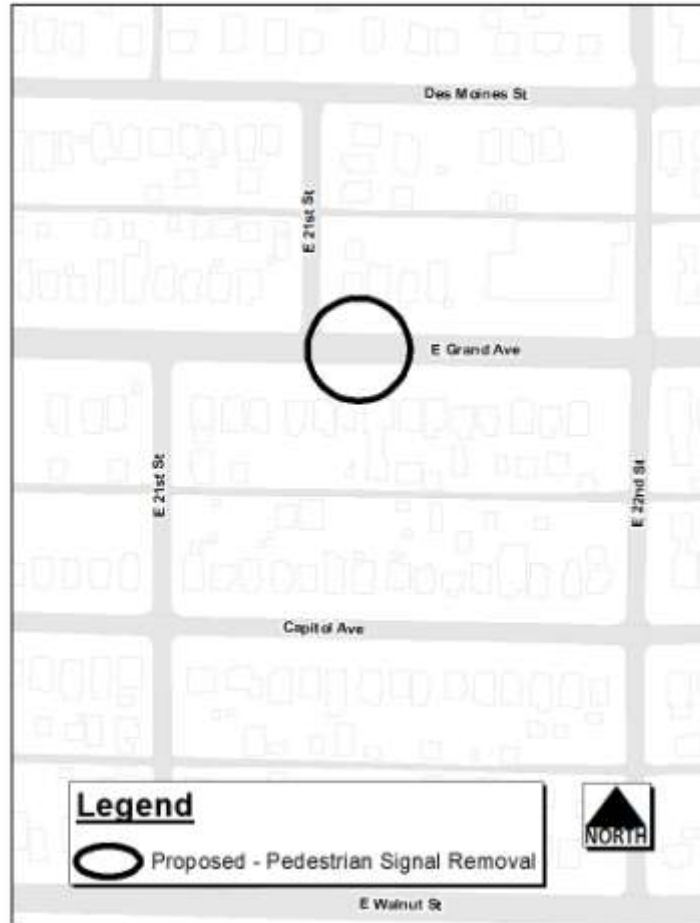
This data demonstrates that more pedestrians are crossing outside of the crosswalk signal which shows that there are available gaps in traffic and people feel okay crossing even without a crossing signal present.

By removing old school crossing signals with low usage, the City will not be placing resources towards maintaining or replacing something that is no longer needed. This will allow the City to allocate its resources to the right places and focus on traffic control needs at other school or midblock pedestrian crossing locations with higher usage.

At their July 10, 2018 meeting, a consensus of the Transportation Safety Committee membership present concurred with staff recommendation to remove the midblock crossing signal on E Grand Avenue, east of E 21st Street, at the former Brooks Elementary School site. In addition, the Fairground Neighborhood Association was made aware of this proposed removal. The following revision to the Municipal Code will remove this pedestrian signal.

~~Sec. 114-1541.01. East Grand Avenue.~~

~~East Grand Avenue, on the north side, at a point 5 feet east of East Twenty-first Street, pedestrian signal.~~



C. These traffic regulations are necessary for the installation of traffic signals at the following intersections.

- E 46th Street and Hubbell Avenue—this traffic signal was installed in 2017 as part of the E 46th Street and Hubbell Avenue Intersection Improvements project. The Municipal Code was not updated at that time to include the traffic signal.
- SW 63rd Street and Creston Avenue—this traffic signal was installed in June 2018 as part of the 63rd Street and Creston Avenue Traffic Signals project.
- E 6th Street and Des Moines Street—this traffic signal is currently under construction as part of the E 6th Street and Des Moines Street Traffic Signals project. It is anticipated to be completed in summer 2018.
- Martin Luther King Jr Parkway and Prospect Road—this traffic signal is currently under construction as part of the Martin Luther King Jr Parkway and Prospect Road Traffic Signals project. It is anticipated to be completed in August 2018.

Sec. 114-1427. Avenue Frederick M. Hubbell.

Avenue Frederick M. Hubbell and East Forty-sixth Street, traffic control signal.

Sec. 114-1440.5. Creston Avenue.

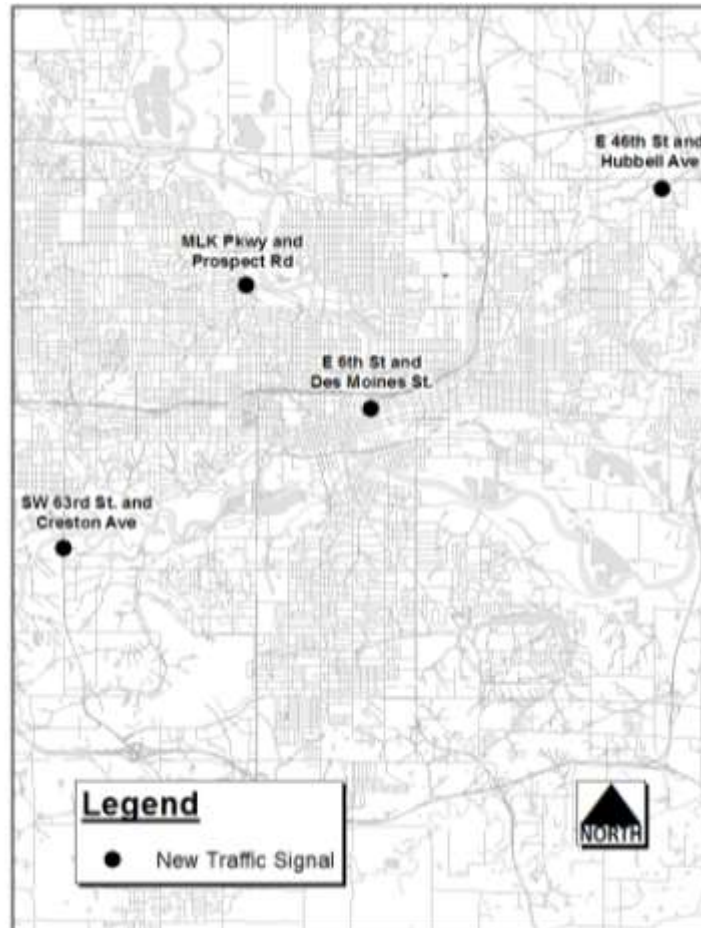
Creston Avenue and Southwest Sixty-Third Street, traffic control signal.

Sec. 114-1445.05. Des Moines Street.

Des Moines Street and East Sixth Street, traffic control signal

Sec. 114-1476. Martin Luther King Jr Parkway.

Martin Luther King Jr Parkway and Prospect Road, traffic control signal.



PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S):

Board: Transportation Safety Committee

Date: July 17, 2018

Resolution Number: N/A

Action: Moved by Scott Bents to approve staff recommendation that the section of SW 9th Street from Lacona Avenue to just north of Bancroft Street be changed from 35 mph to 30 mph; seconded by Jim Windsor. Motion passed 8:0

Board: Transportation Safety Committee

Date: July 10, 2018

Resolution Number: N/A

Action: A consensus of the membership present concurred with staff recommendation to remove the pedestrian crossing signal on E Grand Avenue at former Brooks Elementary.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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