TO: Mayor Shaun Sipma
Members of the City Council

FROM: Stephen Joersz P.E. P.T.O.E., Traffic Engineer

DATE: April 19, 2021

SUBJECT: RIGHT TURN ON RED PROHIBITION FOR THE W BURDICK EXPWY TRAFFIC SIGNALS AT 16TH ST SW AND 6TH ST SW (4429)

I. RECOMMENDED ACTION
It is recommended that council pass an ordinance to add a right turn on red prohibition to the following locations:
1. Northbound 16th Street SW at W Burdick Expressway.
2. Northbound 6th Street SW at W Burdick Expressway.
4. Westbound W Burdick Expressway at 6th Street SW.

II. DEPARTMENT CONTACT PERSONS
Lance Meyer, City Engineer 857-4100
Stephen Joersz, Traffic Engineer 857-4100

III. DESCRIPTION
A. Background
The W Burdick Expressway traffic signals at 16th Street SW and 6th Street SW are currently in the process of being replaced as part of city project 4429 – 2019 Signal Improvements. Combine this infrastructure improvement with the city’s signal retiming effort; staff is exploring the safety improvement concept of Leading Pedestrian Interval at these two West Burdick Expressway traffic signals.

Combining Leading Pedestrian Interval along with prohibiting Right Turn on Red has proven to be a simple, low cost safety countermeasure that can benefits pedestrians while having a minimal impact on vehicle traffic.

Engineering staff is proposing to install digital No-Turn on Red signs for each of the locations referenced above. These signs are similar to what is throughout the City of Minot. Such examples include southbound N Broadway at 11th Avenue SW and at University Avenue. The No-Turn on Red is planned to only be operated when there is a conflicting pedestrian phase called. If no pedestrian is present, the sign will not indicate a No-Turn on Red and the vehicle is free to turn on red.

B. Proposed Project
N/a

C. Consultant Selection
N/a
IV. IMPACT:

A. Strategic Impact:
A safer and more visible pedestrian crossing for residents of the City of Minot.

B. Service/Delivery Impact:
N/a

C. Fiscal Impact:
The digital No Turn on Red signs will be changed ordered into the City of Minot project 4429 – 2019 Signal Improvement Project. Funds will come out of the Traffic Department’s Street Lights & Signals maintenance budget.

<table>
<thead>
<tr>
<th>Project Costs</th>
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<tbody>
<tr>
<td>W Burdick Expwy and 6t St SW</td>
<td>$12,316.00</td>
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<tr>
<td>W Burdick Expwy and 16th St SW</td>
<td>$ 4,365.00</td>
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<td>Total</td>
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Traffic Department’s Street Lights and Signals Maintenance Budget
$16,681.00

V. ALTERNATIVES
N/a

VI. TIME CONSTRAINTS
N/a

VII. LIST OF ATTACHMENTS

A. Proposed Resolution (W Burdick Right Turn on Red Prohibited)