



**TO:** Mayor Tom Ross  
Members of the City Council

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

**DATE:** February 21, 2022

**SUBJECT: SOUTHBOUND S BROADWAY RIGHT TURN RESTRICTION AT BURDICK  
EXPWY W (4752)**

**I. RECOMMENDED ACTION**

1. Recommend that Council pass an ordinance to add a right-turn restriction for the following location:
  - a. Southbound S Broadway at Burdick Expwy W

**II. DEPARTMENT CONTACT PERSONS**

Lance Meyer, City Engineer	(701) 857-4100
Stephen Joersz, Traffic Engineer	(701) 857-4100

**III. DESCRIPTION**

A. Background

Two traffic accidents, one in November 2022 and the other in January 2023, resulted in two traffic signals at the intersection of S Broadway and Burdick Expwy W being knocked down. After the knockdowns, portable traffic signals were placed at the intersection the following day. This was followed up by the City repurposing old traffic signals as a long-term temporary solution. Considering that the S Broadway and Burdick Expwy W traffic signals were originally installed in 1989, city staff felt it was in the city's best interest to replace the entire intersection's traffic signal system rather than just the two signals that were knocked down.

Since 2021, the City implemented right-turn restrictions at the following intersections in an attempt to improve pedestrian safety:

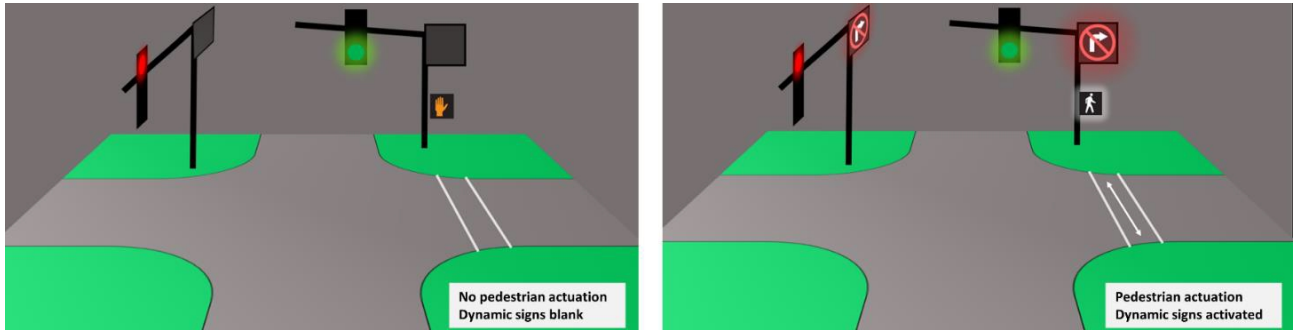
- 1) Burdick Expwy W and 6<sup>th</sup> Street SW
- 2) Burdick Expwy W and 16<sup>th</sup> Street SW
- 3) 16<sup>th</sup> Street SW and 16<sup>th</sup> Avenue SW

B. Proposed Projects

City staff is proposing to install a dynamic no right-turn sign for southbound S Broadway at Burdick Expwy W to improve crossing safety for pedestrians. Southbound is the only approach at S Broadway and Burdick Expwy W where this improvement is applicable. The other three approaches are controlled by yield signs.

To understand how this proposed improvement functions. After a pedestrian pushbutton is pressed, any right turn movements that conflict with the pedestrian crossing that is displaying "WALK" would be prohibited from turning. In other words, if the major road has green, and the parallel crosswalk has "WALK" displayed, the sign would be activated for the major road. At the same time, the sign would be activated for the applicable minor road

approach as well i.e. a temporary “no turn on red” is in effect. For this intersection, a southbound right-turn restriction will turn on for a north side of Burdick Expwy W and west side of S Broadway pedestrian WALK phase.



- 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:  
City staff is currently in the design phase for the S Broadway and Burdick Expwy W traffic signal replacement. It is anticipated that this dynamic sign addition will cost approximately \$5,000. If the proposed ordinance is approved, the improvement will be incorporated in the initial signal design bid. \$315,000 is currently budgeted in the City’s Capital Improvement Plan for Signal Pole/Mast Arm Replacements for 2023.

#### V. CITY COUNCIL ASPIRATIONS

This item achieves the aspirations of Safe and Welcoming.

#### VI. ALTERNATIVES

1. Council could choose to deny the proposed ordinance. This would remove the dynamic no right-turn from the new traffic signal system.

#### VII. TIME CONSTRAINTS

Staff is currently in design for the new S Broadway and Burdick Expwy W traffic signal system. Action on this proposed ordinance allows staff direction to either include or not include the dynamic no right-turn sign in the initial design and bid.

#### VIII. LIST OF ATTACHMENTS

- A. Proposed Ordinance – Southbound S Broadway Right Turn Restriction at Burdick Expwy W