



City of Blaine

10801 Town Square Drive NE

Blaine MN 55449-8100

City Hall 763-784-6700 | BlaineMN.gov

August 18, 2022

RE: Traffic Control Change at Radisson Road/116th Ave/ Arnold Palmer Dr, City Project No. 23-05

Background Information

The City of Blaine conducted an Intersection Control Evaluation of the intersection at Radisson Road and 116th Avenue/Arnold Palmer Drive in 2019. Based on the study results and their concern for the safety of the driving public, the Blaine City Council is proposing that this full access intersection be converted to a $\frac{3}{4}$ access as shown on the back of this page. The study found there were nine crashes at this intersection from 2014-2018 and that seven of the crashes would have been eliminated with the proposed $\frac{3}{4}$ access intersection.

Traffic Analysis Summary

- Crash analysis found that the critical crash index for 2014 – 2018 was 0.88 and for 2017 – 2021 increased to 0.98.
- Introduction of a $\frac{3}{4}$ access intersection would reroute the east and westbound left turning and through traffic volumes.
- The westbound left turning/through volume is significantly higher than the eastbound left turning/through volume (812 westbound vs. 93 eastbound from 6AM to 7PM).
- The maximum 15-minute volume for minor street westbound left turns/throughs (eliminated with $\frac{3}{4}$ access) is 32 from 7:30 to 7:45AM; the maximum hour is 121 from 6:45 to 7:45AM.
- The 121 peak hour westbound movements could become northbound u-turns at the Radisson Road/119th Avenue traffic signal.
- The 2019 traffic counts found that the intersection met traffic signal warrants. A traffic signal, while meeting warrants, does not meet the half-mile spacing requirements of Anoka County for a minor arterial road with a 50-mph speed limit.

More Information and Contacts

For more information regarding the study results and project schedule is available at, BlaineMN.gov/RoadProjects or contact City Engineer Dan Schluender at, dschluender@blainemn.gov or 763-785-6158.