

5th Ave NE and Banner Way NE Traffic Analysis

We have conducted a rigorous engineering study to assess traffic flow and delays at the intersection of 5th Ave NE and Banner Way NE with all-way stop control (AWSC) and a signal. We determined that a full traffic signal will be the most suitable option for the intersection of Banner Way NE & 5th Ave NE with protected bike lanes (PBLs). Signalizing the intersection with the planned lane configuration provides a reduction in delay over maintaining all-way stop control with the same lane configuration.

	AM		Midday		PM	
Scenario	Delay (s)	LOS	Delay (s)	LOS	Delay (s)	LOS
AWSC w/PBLs	147	F	96	F	157	F
Signal w/PBLs	58	E	50	D	52	D

Summary of the vehicle delay and LOS for AM Peak, Midday, and PM Peak from Synchro