

WinHacks 2020 – City of Windsor Data Challenge!

Huron Church Road is major arterial roadway, connecting Canada to the United States of America. This roadway sees over 34,000 vehicles per day. The corridor serves as the main link from Highway 401 to the Ambassador Bridge, but it also serves as a connection from south Windsor to the University of Windsor for students. Along the corridor are small to medium sized businesses and restaurants. Finally, Huron Church Road is a division road between West Windsor and Windsor, those residents on the west side of Huron Church must cross this major road multiple times daily.

Major concerns from residents involve back up of traffic along the corridor from the bridge to the 401. Often trucks block intersections, preventing side street traffic from crossing Huron Church. Additionally, smaller vehicles attempting to access the local businesses and / or the University get caught in this traffic.

Are there any discernible patterns on a weekly, monthly basis that indicate dates, days or times where backups are most prominent? Based on this pattern, what changes can be made (technology changes only, not physical) to the roadway to help move traffic better along the corridor and allow local traffic to get to their destination more efficiently.

Additionally, how can we quantify the economic, social and environmental costs related to these backups?