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I am a Civil Engineer who graduated from the University of Waterloo in 1982. My career of almost 40 years has been split between communications systems and construction / project management, and for the last 16 years running the Highway and Tolling Operations at 407 ETR. From 1995 to 1998 I was the Project Manager, Tolling for Canadian Highways International who coordinated and oversaw the development and implementation of the world's first All Electronic Open Road Toll System as part of the \$927M project to construct Highway 407, one of the first and largest P3 projects of the day.

I have worked internationally in the Philippines (Telecom) , Israel (Cross Israel Highway) and Ecuador (New Quito Airport) helping me to have a diverse perspective and the ability to adapt and work in and to appreciate different cultures, as well as demonstrating a desire and ability for innovation and lifelong learning.

I am interested in being a Board Member of ITS Canada to share my experience and to continue to learn from others, while also adding the perspective of a Private Toll Road Authority to the Board. Under my leadership at 407 ETR we have deployed traditional ITS at 407 ETR starting with Tolling and more recently: Dynamic Message Signs, and IP CCTV cameras, as well as a Pilot Project joint with Kapsch, MTO and Metrolinx to deploy and test V2X technology. We consider our Highway as Canada's longest Living Lab and are very interested in collaborating with others including the Manufacturers of CAV/AV technology to help develop and optimize highway infrastructure including ITS components to be most conducive and compatible with this new developing technology. I have been involved with the workshops and collaboration initiatives started by NRC and Transport Canada since 2017 and continue to participate in the workshops and the GCcollab group: Canadian Intelligent Transportation Systems (ITS) Living Labs Community of Practice.

I believe through collaboration and cooperation, between different and diverse groups and people with different perspectives, Canada can be a leader and influencer in ITS and the future of Transportation. There are great opportunities through ITS technology, to both increase capacity and utilization of existing infrastructure, and also to improve safety for all of those who use this infrastructure. I believe my experience with Tolling, as well as Operations of a Highway can be an asset to ITS Canada in achieving the goals and objectives of the 2020 – 2025 Strategic Plan.