

responsibilities between the conservation group and planning, Mike joined the planning, infrastructure and economic development department in April 2019 to work full time on Ottawa's Community Energy Transmission Strategy, Energy Evolution.



Case Study #2: Smart Solutions With Leak Remediation At Ottawa's LRT

Ottawa's first underground LRT system resulted in major waterproofing challenges that had to be solved using unconventional methods. Construction schedules are getting more aggressive and yesterday's waterproofing technologies do not allow for hostile environments of today's below grade construction methodologies. William will be showcasing underground waterproofing design details, requirements, materials used, sub-trade practices and challenges for controlling/planning construction from a General Contractors perspective. During the final stages of construction water became a real issue on the new 2.5km underground alignment, design/trade/GC responsibility and cause will be presented with strong lessons learned. Smart solutions for stopping blind side water leaks and international product availability and the limits as determined by actual site testing and proven case studies. This presentation will also discuss how lessons learned on the LRT project are being applied to the Center Block underground renovation project currently under construction.

Presenter: William Coleman, Construction Manager, EllisDon Corp.

In his role as a professional engineer and senior leader at EllisDon, William brings to the forefront a wealth of experience and proficiency within the construction industry, particularly in the realm of General Contracting. His comprehensive background spans across Heavy Civil, Industrial, and Commercial sectors, where he has adeptly overseen a diverse range of intricate projects with precision and finesse.