

Durham Region – Traffic Management Centre Whitby, Ontario

The Regional Municipality of Durham's Traffic Engineering and Operations Division monitors and manages traffic flow, detects and clears incidents, and provides travelers with real-time road, traffic and transit information.

Applied Electronics designed and integrated a large-scale video wall into the new traffic management centre in Whitby, Ontario. The 2x5 array of 70" (diagonal) screens enable the centre's operators to monitor traffic, detect, respond and facilitate the clearance of incidents and improve traffic flow. The system enables multiple applications to be viewed and manipulated in real time and allows for multiple preset layouts to be viewed. The large screen size and high resolution allow for fewer cubes to create the overall wall size and the long lamp life provides low maintenance and a cost-effective solution.

The new Traffic Operations Centre consolidates both engineering and operations in one facility and will house the Region's computerized signal control system. The Centre currently operates over 500 traffic control signals and numerous traffic cameras, and with its state-of-the-art communications and traffic monitoring technologies, it will also support Durham's Emergency Management Office (DEMO). In the event of an emergency, the facility will ultimately house all operating services such as dispatch, road maintenance and repair and transit operations, in addition to traffic management.

