

Ministry of Transportation, Ontario

Aurigo's capital planning system handles \$52 billion in projects for Canada's largest infrastructure program

CASE STUDY

The Ministry of Transportation, Ontario (MTO) oversees planning, engineering, construction, and maintenance activities to maximize highway capacity and efficiency, promote safety, and protect the existing infrastructure. Each year, MTO invests billions of dollars into these capital programs, with an aim to move people and goods safely, efficiently, and sustainably.

Customer challenges

The Ministry's manual capital planning process could not keep pace with business requirements and the need for financial control. Details of its projects were maintained in different worksheets and depended on manual data entry. The process was inflexible, error-prone, and non-scalable.

MTO needed a customizable capital planning solution based on a Commercial-off-the-shelf (COTS) package to manage its annual budget for expansion and rehabilitation projects. This solution was necessary to manage multiyear and current year capital programs as well as business processes, including:

- Multiyear capital planning
- Project management and administration
- Budget allocation, approvals, and authorization
- Expense management
- Forecasting for each program, project, and cost center
- Cash flow management
- Project monitoring and reporting
- Resource optimization



Ontario is the **most populous** province in Canada and the second largest in the country by total area.

- Total area: **415,000 square miles**
- Total population: **14.5 million**
- Lane-miles of highway: **24,000+**
- Bridges and structures: **2,800+**
- Remote airports: **29**

MTO builds transit and transportation infrastructure. It also promotes innovative new technology to strengthen road safety.

To do this, the Ministry needed:

- Business process automation
- The ability to import and export data through a new MTO data hub combining data from multiple external services
- A modernized user experience for data entry
- A dashboard to display user-defined project information
- Query and reporting functionality
- Superior auditing capabilities
- Application administration capabilities
- Extensive integration of multiple systems

Aurigo at MTO

Aurigo's capital planning solution offered MTO a complete, sophisticated forecasting, scheduling, and budgeting engine. Launched in 2013, the system provided the Ministry with reengineered end-to-end workflows to manage the entire capital program life cycle.

Aurigo replaced the Ministry's existing system and consolidated the team onto a unified platform, ensuring a dependable single source of truth. The implementation of the capital planning module enhanced efficiency by automating workflows for reviews and approvals, enabling smooth collaboration with consultants and construction managers. The solution also provided what-if analysis, a multiyear outlook, work records, completion status, financial reports, expenditure curves, fund status, and real-time analytics. The decade-long relationship between MTO and Aurigo has allowed the Ministry to monitor progress efficiently and improve capital program health.

Highlights



\$52 billion

in capital projects centrally managed in Aurigo Masterworks



5000+

projects managed on a single platform



Integration

seamless integration of systems for location and expense management

Business processes automated:

- Multiyear capital planning
- Budget and resource management
- Cash flow management
- What-if analysis and region-wide forecasting
- Expenses and payment management



"We are pleased with the user experience provided by Aurigo Masterworks. Based on my positive firsthand involvement, I can validate Masterworks' functionality and ease of use, as well as recommend this solution for improving the management of your capital construction projects."

Mark Binko,

Senior Business Consultant,
Ministry of Transportation, Ontario

