

YELLOWKNIFE PAVING PROGRAM

Project	Yellowknife Paving Program
Location	Yellowknife, NWT, Canada
Service	Full Engineering Services
Process	Design/Inspection/Administration
Value	Approximately \$2.5M/Year
Status	Ongoing 2000 - Present (Completed Each October)

FSC Architects & Engineers has been the City of Yellowknife’s design firm of choice since the year 2000. FSC has provided complete engineering services to the City from information gathering through to warranty inspections. The City of Yellowknife lies within the discontinuous permafrost zone in the Northwest Territories. Areas of poor, ice rich sub soils provide the greatest challenges to designing and constructing roadways that will hold up over time. Poor sub-grade conditions results in heaving of the paved roadways which deteriorates the surface over time by creating cracks, ruts and undulations.

Since winning the first paving design contract, FSC has strived to improve its performance on each and every job. One of the loudest complaints voiced by the residents of Yellowknife was the perception that every time the City paved a road, the Utility Company would come by the next year and cut it open to put ductwork in. FSC worked with the City to solve this problem by contacting the Utility Company’s and merging their capital

plan with the City’s to avoid this problem. This initiative has saved time and money for both the City and the Utilities.

FSC does as much as possible to ensure that the City’s Engineers can rest easy during the summer. FSC has completely re-written the technical specifications for the construction contract to put as much onus on the contractor as possible to provide quality construction. FSC has even talked with prospective general contractors about City projects to find out how our designs could be modified to allow the contractor to deliver the project more efficiently. These efforts all translate into projects that are delivered with minimal conflict, on schedule and under budget.

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