



Two tender packages and design options were developed: a rigid option (concrete base) and a flexible option (asphalt).

Highway 417 - Eastbound Lanes Reconstruction Ministry of Transportation Ontario

This project involved the design and contract preparation for a full reconstruction of a section of the eastbound lanes of Highway 417.

Two tender packages and design options were developed: a rigid option (concrete base) and a flexible option (asphalt). An environmental inventory and fisheries habitat report were prepared and remedial measures were developed and implemented.

The rehabilitation of two bridges and the replacement or extensions of 63 culverts were integral components of this assignment. The detailed design included vertical alignment modifications, drainage improvements, clear zone and road safety improvements, pavement marking, guardrail replacement and the design of two transfer lanes/crossovers for the detouring of vehicular traffic into the westbound lanes.

Services provided by the Ainley Group were base-plan preparation, detailed design, contract documentation and preparation of cost estimates.

Project Facts

Client: Ministry of Transportation

Scope of Work:

- Rehabilitation of two bridges
- Replacement or extension of 63 culverts
- Base-plan preparation
- Detailed design:
 - Vertical alignment modifications
 - Drainage improvements
 - Road safety improvements
 - Pavement marking
 - Guardrail replacement
 - Two transfer lanes/crossovers for vehicular traffic detouring.
- Cost estimates
- Contract documentation.

Project Cost: \$25,000,000
(2001/2002)