



**Project Title:** Rehabilitation of Major Culverts

**Client:** New Brunswick Department of Transportation (NBDOT)

## Project Description:

GEMTEC Limited has been involved with the New Brunswick Department of Transportation (NBDOT) project for the rehabilitation of major metal culverts. This project consists of identifying suitable candidate culverts for upgrading by constructing a concrete liner within the metal culvert to prolong the life of these structures. The majority of these culverts are in highway sections of considerable fill and would be particularly expensive and difficult to replace.

GEMTEC has provided design services for the rehabilitation work on several of these culverts and prepared contract drawings and documents for tendering purposes. The design work includes hydraulic analysis; structural components for the placing of concrete; fish passage requirements; and all other site work requirements necessary for the rehabilitation of the metal pipe or arch. Some sites require additional work such as the installation of headwalls while some sites may have to be reconsidered for future replacement rather than rehabilitation.

