

Bissett Creek Bridge - Trans Canada Highway

LEA Consulting Ltd. provided structural engineering services for complete rehabilitation of an existing three span bridge over Bissett Creek on Highway 17.

The concrete deck and steel girders were removed and replaced, piers completely reconstructed, and abutments removed below bearing level and rebuilt.

In order to accommodate Trans-Canada highway traffic, a temporary detour road was constructed, and a three span continuous Acrow 700 panel series bridge launched over the creek onto temporary piers and abutments. Removals work started in the spring of 1995 with project completion scheduled for the fall of 1995.



Existing bridge prior to rehabilitation



Temporary Acrow structure in place on pile supported concrete pier caps.

PROJECT SUMMARY

Client:
**Ministry of Transportation,
Ontario**

Location:
Northern Ontario, Canada

Services Provided:
**Structural and Highway
Engineering**

Cost:
\$ 3.5 Million

Completion Date:
1995