

# Structural Steel Project Profile

## Plate Girder Bridge

### *Penniac Stream Bridge Fredericton • New Brunswick • Canada*



The bridge at Penniac Stream is a 25-girder bridge (5 girders wide x 5 girders long) spanning over 400' from abutment to abutment. The largest girders were nearly 8' deep x 85' long and weighed in at a little over 23 tons each. In addition to the main girders, Ocean also fabricated an assortment of K-frames, diaphragms and braces to complete the bridge structure. Because of the size of some of the largest girders, special permits and shipping arrangements had to be made and the loads ready to go out early in the morning under police escort.



**Tonnage: 550**  
**Customer: Dunbar Construction**  
**Owner: Province of NB**  
**Structural Engineer: Valron Engineers**  
**Year: 2010**

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