

FOREWORD

THESE views and the text are published with the object of illustrating the construction of the superstructure of the Quebec Bridge. Papers giving a more technical description are being presented to the Engineering Institute of Canada by the constructors of the Bridge and those members of the Engineering Profession who wish to follow the subject further are referred to these papers.

This work has been unavoidably delayed and in the meantime publications have appeared which in large measure take from the St. Lawrence Bridge Company the credit to which it is entitled for the design and the construction of the Bridge.

Before the tenders for the Bridge were opened, the adopted design was prepared in detail by the staff of the St. Lawrence Bridge Company in response to an invitation for competitive designs and was recommended for acceptance by an Advisory Board of Engineers appointed by the Government. At the time of the acceptance the span was increased, necessitating a modification in the number of panels and in the sectional area of the members, but the character of the design was not affected by these changes.

On the 4th of April, 1911, the contract, the general and detail plans and the specifications were signed. Under the terms of this contract the design was fully determined

and the Contractors took the entire responsibility for the construction of the Bridge. When the contract was signed the Advisory Engineers and Mr. MacDonald retired, leaving Mr. Ralph Modjeski the only member remaining of the original Board. It was then necessary to re-organize the Board of three engineers provided for by Order-in-Council to carry on the work of checking drawings, inspecting material and workmanship and, generally, to see that the Contractor complied with the terms of the contract and the specification.

A month after the contract was signed, on the 6th of May, 1911, Mr. C. N. Monsarrat was appointed Chairman and Chief Engineer of this Board, and shortly after, Mr. C. C. Schneider was appointed as the third member.

The design of the bridge was settled before Mr. Monsarrat was appointed, the working drawings for the bridge, for the manufacturing plant and for the erection were entirely originated and prepared by the staff of the St. Lawrence Bridge Company, as well as the calculations and the general design. The staff of the St. Lawrence Bridge Company should be given the full credit for the design and for the successful completion of the superstructure of the Bridge.