

# Structural Steel Project Profile

## Plate Girder Bridge



### *Zionville Bridge Fredericton, New Brunswick • Canada*

This new bridge structure, Zionville Road Route 8 Underpass, is located a few kilometers North of Fredericton, NB.

Ocean Steel's Saint John shop supplied four main girders with shop-attached shear studs. The main girders were six feet deep and 148 feet long after field splicing. In addition to the main girders, Ocean also fabricated six abutment diaphragm plate girders, intermediate WT K-frames, and WT lateral braces required to complete the structure.



**Tonnage: 121**  
**Customer: Dunbar Construction**  
**Owner: Province of NB**  
**Structural Engineer: Hillside Consulting Engineers**  
**Year: 2012**



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