St. Croix River Crossing Project
Public Information Meeting

St. Croix River Crossing, Preliminary Engineering and Design Criteria
Mn/DOT Contract No. 92530
Extensive analysis has been performed to simulate the extradosed bridge construction sequence, verifying that the construction technique is feasible.

Computer modeling of the piers and towers shows an exaggerated view of the stresses on the tower, cross-girder and box girders. These analyses confirm that the pier columns and cross girder are structurally adequate without the addition of a central column.
Minnesota Approach Southwest View Refined VQM

Minnesota Approach Southwest View Single Stem

VQM refined

Single Stem

St. Croix River Crossing
Minnesota Approach Column Alternatives
Exposed cable connections

Covered cable connections

Cover detail

Exposed detail

St. Croix River Crossing

Cable Connection Alternatives
View of Bridge from Wisconsin Bluffs with Overlook at every Tower line

View of Bridge from Wisconsin Bluffs with Overlook at every other Tower line
View of Tower with overlook
View of overlook from beneath
View of Tower without overlook
View of overlook from bridge deck

St. Croix River Crossing
Trail and Overlook Views
St. Croix River Crossing  

Day and Night-time Comparison

Day-time view from Sunnyside Marina

Night-time view from Sunnyside Marina