

KINGSWAY PEDESTRIAN BRIDGE

BURNABY, BRITISH COLUMBIA, CANADA



COMPLETED

September 2008

PROJECT COST

\$3 million

Fast + Epp

The Kingsway Pedestrian Bridge spans 44 meters across Kingsway Street, a major arterial roadway.

Its one-of-a-kind construction consists of a timber/steel arch, with a startlingly thin post-tensioned segmental precast concrete walkway acting as tension tie. It is believed to be the first time a bridge arch has been built using steel haunches in combination with a timber drop-in span.

The timber portion of the arch involved bowing, twisting, and assembling individual "spaghetti-like" thin and flexible glue laminated pieces, 7.5 cm thick by 30 m long, to form a strong arch with a warm, elegant aesthetic appeal.

CLIENT

City of Burnaby

ARCHITECT

Perkins + Will Canada

STRUCTURAL
ENGINEER

Paul Fast, P.Eng., P.E., IStructE, BK Berlin

