



Kingsway Pedestrian Bridge | Burnaby, BC

Busby Perkins + Will

The 43 m x 3 m Kingsway Pedestrian Bridge is a landmark structure connecting Metrotown with the growing commercial and residential areas to the north of Kingsway in Burnaby, British Columbia. Structural components of this bridge are a combination of wood and steel material. The project utilizes a steel base yolk frame that supports elegant, double-curved glulam frames, stainless steel rods that suspend a pre-cast concrete deck and a ¼-in coated steel plate that serves as the roof. The guardrail system includes frameless glass with cast stainless steel brackets. The project also includes concrete support piers, access stairs, architectural lighting consisting of LED lamps inset into the steel base yolks and a continuous blue LED light strip following the curved roof edge. The striking double-curved glulam wood form hovers above the footbridge that crosses Kingsway at McMurray Avenue, blending an elegant design solution and with an inviting passage across a busy intersection.



Wood materials used:

6 m x 30 m glulam beams, curved and arched in two directions



Project team:

Architectural:

Busby Perkins + Will
1220 Horner Street
Vancouver, BC
V6B 2Y5
604.684.5446

Structural:

Fast & Epp Structural Engineers
201-1672 West 1st Avenue
Vancouver, BC
V6J 1G1
604.731.7412

General Contractor:

Dominion Fairmile
130-2985 Virtual Way
Vancouver, BC