

## PROJECT PROFILE

**Owner:** Translink  
**Engineer:** Bilfing Berger & CH2MHill  
**Concrete Supplier:** Rempel Brothers Concrete Ltd.  
**Placers:** Neelco, R-Four

# Golden Ears Bridge

## Golden Ears Bridge Project

The Golden Ears Bridge, a 1 kilometer (0.62 mile) 6 lane cable stayed bridge, is the largest improvement to the Greater Vancouver Area road system in over 20 years. Construction started in June 2006 and once open in the spring of 2009, the Golden Ears Bridge will connect the communities of Surrey and Langley on the south side of the Fraser River to Pitt Meadows and Maple Ridge on the north side of the Fraser River.

Designed to replace the Albion Ferry to enhance traffic flow in the Greater Vancouver Area, the Golden Ears Bridge is an adaptation of the Alex Fraser cable stayed bridge. With many years of international experience, the Golden Crossing Constructors modified the design to create a much lower profile bridge as well as other various improvements.

## Cementec's Con-Fume™ Silica Fume

Cementec Con-Fume™ Silica Fume was used in approximately 6,000 cubic meters (7,800 cubic yards) of concrete on the Golden Ears Bridge project. Rempel Brothers Concrete Ltd. was impressed with the consistent qualities that Con-Fume™ gave to the plastic and hardened concrete. Con-Fume™ Silica Fume is specially engineered for enhanced flowability in pneumatic storage and batching equipment.

With vast experience supplying the round the clock demands of the construction industry, Cementec was able to provide a high quality silica fume product to the Golden Ears Bridge project while maintaining the flexibility to meet any changes in the construction schedule.

## Silica Fume

Silica Fume is a pozzolanic material used to produce high performance concrete for increased strength, impermeability and durability. Silica fume reacts with the hydration products of Portland cement forming calcium silicate hydrate gel, which enhances strength and durability by consuming weaker calcium hydroxide.

## Cementec Industries

Cementec is an award winning engineering, materials manufacturer with expertise and experience. Established in 1987, Cementec Industries is a Calgary based company and the only producer of silica fume in Western North America. Cementec is a member of ACI, APEGA and Provincial and State ready mix associations.

## Contact Us

For more information contact Cementec Industries Inc.  
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Toll-free 24 hour order desk: 1-866-256-1367  
[www.cementec.ca](http://www.cementec.ca)

## Maple Ridge, BC

