

### Kurilpa Bridge

October 2009

The Kurilpa Bridge (originally known as the Tank Street Bridge) is a \$63 million pedestrian and bicycle bridge over the Brisbane River in Brisbane, Queensland, Australia. The bridge connects Kurilpa Point in South Brisbane to Tank Street in the Brisbane central business district. In 2011, the bridge was judged World Transport Building of the Year at the World Architecture Festival. The Kurilpa Bridge is a multiple-mast, cable-stay structure based on principles of tensegrity producing a synergy between balanced tension and compression components to create a light structure that is incredibly strong. The bridge is 470m long with a main span of 128m and features two large viewing and relaxation platforms, two rest areas, and a continuous all-weather canopy for the entire length of the bridge. A canopy is supported by a secondary tensegrity structure. It is estimated that 550 tons of structural steel including 6.8 km of spiral strand cable are incorporated into the bridge. The bridge is lit with a sophisticated LED lighting system which can be programmed to produce an array of different lighting effects. Depending on lighting configurations, 75%-100% of the power required is provided by solar energy



#### Scope of Works:

- 46 x Space Cannon Zues RGB/DMX 6 Deg
- 32 x Space Cannon Helyos RGB/DMX 20 Deg
- 8 x Space Cannon Helyos RGB/DMX 30 Deg
- 32 x Space Cannon Helyos RGB/DMX Rect
- 32 x Space Cannon Nike 9 RGB/DMX
- 1 x DMX E-Streamer
- 2 x DMX Splitter
- 1 x DMX/Ethernet Gateway
- 1 x Ethernet/DMX Gateway
- 2 x DMX Autoswitchers

