North Saskatchewan River Bridge

- The new LRT bridge to be built on the existing pedestrian bridge alignment.
- New LRT bridge to incorporate new pedestrian and bicycle facilities under the bridge deck.
- Existing pedestrian bridge to be demolished prior to new LRT bridge construction.
- During construction, pedestrians and bicyclists will be detoured to Low Level Bridge.
- The project team assessed the feasibility of maintaining the existing pedestrian bridge during construction. Due to increased environmental impact on the River and proximity to existing residential development, this option is not being pursued.
Option 1
Cable Stayed Bridge

Option 2
Extradosed Bridge

Option 3
Variable Box Girder Bridge
Portal - Riverbank

- A portal design will complement the surrounding area and will consider existing trail connections.
- Traction Power Substation will be located near the portal - final location to be determined.
Portal - 102 Avenue

- Aerial view
- Cross section looking North
- Detail of portal
- Portal plan
  - Final design of portal to be coordinated with Quarters Redevelopment Project