The government of Macau have awarded MHI the construction of the new 20km Light Rail Transit through the city.

We are the Independent Bridge Consultant for Sai Van Bridge, reviewing and checking the structure design for the incorporation of a new LRT system running through the centre of the existing concrete box girder bridge crossing. The main spans consist of a cable-stayed structure while the approach viaducts are continuous prestressed concrete construction. The modifications required to the bridge crossing include installation of a guideway within the concrete box deck, with modification to emergency escape passages and to the train and road restraint systems within the box.

The LRT system uses rubber tyred vehicles running along elevated gangways, and passes though the existing Sai Van Bridge, a 2km long sea crossing between Macau and Taipa island including a 180m span cable-stayed bridge.