This Request for Proposals is aimed to attract Engineering Science students at the University of Toronto to provide proposals for the improvement of the mooring system used at the Toronto Sailing and Canoe Club, a small, community-centric volunteer-led club on Humber Bay.

The current mooring system uses heavy rectangular concrete anchors, metal chains and buoys, with some moorings being set up as a triangle with two attachment points, shared with the adjacent moorings at the rear on either side of the boat and one in front of the boat that is exclusively for that mooring. Some of the buoys for the bow (front) mooring are currently tires for some moorings. The other set up is one singular mooring, called swing moorings, placed further from obstacles, so boats can swing freely around without hitting anything. The improved mooring system should reduce the likelihood of the occasional misplacement of a mooring anchor on the lake bed causing misshapen triangular moorings or uneven spacing of swing moorings, which are more challenging to use or risk boat collisions. The moorings are all within the federally owned western breakwater, a concrete wall to reduce erosion by breaking the waves early, absorbing their energy. This provides a relatively calm environment where the moorings and boats stay when not in use.

TSCC is open to all creative and innovative solutions that prevent disruptions to their operations where possible and follow all applicable environmental and legal requirements.