

SP TO BE INCLUDED IN ALL BRIDGE PROJECTS WITH A NAVIGABLE WATERCOURSE

1.1. ACCOMMODATION OF NAUTICAL TRAFFIC

Unless otherwise approved, the Contractor shall implement and maintain measures to safely accommodate nautical traffic through the work site at all times during the construction period when the watercourse is in an unfrozen and navigable condition.

Accommodation of nautical traffic shall be carried out in accordance with the following Provisions, or as directed by the Consultant:

- i) Complete closure of the watercourse to navigation will not be permitted at any time during construction unless prior approval has been received from the Department. If approval to implement complete watercourse closures is granted, additional measures including, but not limited to, the implementation of portages may be required.
- ii) Prior to any in-stream work, the Contractor shall conduct a visual survey and/or carry out rod sounding of the streambed in order to document the pre-construction condition of the watercourse.
- iii) The Contractor shall supply and install four (4) warning signs prior to the commencement of any construction operations that may affect nautical traffic.

Signs shall be a minimum of 1.2 m high x 1.8 m wide, and shall display the following message in black lettering on a yellow background:



Two signs shall be installed, one on each bank, at clearly visible locations both upstream and downstream of the Works.

Signs installation locations shall be in accordance with the following:

WIDTH OF WATERWAY	MINIMUM DISTANCE FROM BRIDGE OR WORKS
Less than 10 m	25 m
10 m to 20 m	50 m
20 m to 50 m	100 m
Over 50 m	200 m

Warning signs shall be inspected on a daily basis and shall be maintained in place until the completion of construction operations. Signs damaged or lost during the course of construction shall be repaired or replaced by the Contractor immediately.

- iv) Isolation installations and associated in-stream construction equipment/devices shall be delineated with yellow flashing beacons at night, and during periods of restricted or non-activity.

Beacons supplied by the Contractor shall be approved for use by the Consultant prior to placement and shall be installed at 5.0 m intervals in a manner acceptable to the Consultant.

- v) The Contractor shall document all complaints that may be received from the boating public and shall forward a record of each complaint to the Consultant on a daily basis. The Contractor shall address each complaint to the satisfaction of the Consultant within 48 hours of receipt.

The Contractor shall also forward a record of each complaint as well as copies of all correspondence addressing the complaint, to the Department within 7 days of initial receipt.

- vi) At the completion of construction activities including site restoration, the Contractor shall carry out a visual inspection and/or rod sounding of the streambed to verify that the post-construction streambed profiles do not present additional navigational hazards when compared to the previously existing conditions.

If, in the opinion of the Consultant, increased or additional hazards are deemed to be present, the Contractor shall carry out all remedial work necessary to mitigate these hazards to the satisfaction of the Consultant.

- vii) Additional requirements may be associated with terms and conditions of approval under the *Canadian Navigable Waters Act* (CNWA) or accommodations resulting from a public resolution process under the CNWA.

All costs associated with the accommodation of nautical traffic will be considered incidental to the Work, and no separate or additional payment will be made.

Remediation of additional post-construction navigational hazards deemed by the Consultant to be the result of the Contractor's operations shall be repaired by the Contractor at his expense. Payment for remediation of additional post-construction navigational hazards deemed by the Consultant to be a result of conditions beyond the Contractor's control will be made on an "Extra Work" basis in accordance with Specification 1.2, General.