

Part 1 General

1.1 ENTRANCE CLOSURES

- .1 Access to all commercial, institutional or private entrances must be maintained at all times unless arrangements have been made with the property owner. Provide written notification to the Departmental Representative of all arrangements made.

1.2 MIGRATORY BIRD PROTECTION

- .1 Do not destroy active nests (nests with eggs or young birds) of species protected under the Migratory Birds Convention Act, 1994 and/or regulations under that Act.
- .2 Ensure that the proposed structural steel works possibly impacted by nesting are scheduled outside of the prime migratory bird and local bird nesting period of April 15th to August 15th.
- .3 If structure works cannot be scheduled outside the prime nesting season, ensure that bird nesting preventative measures (such as wire screens or tarps) are implemented to prevent new nesting prior to April 15th.
- .4 During nesting seasons, April 15 – August 15, a visual inspection of the work area must be conducted to assess the presence of birds or bird nests prior to beginning the project work. If birds or bird nests are identified within the project area, stop work in the vicinity of the nests, notify the Departmental Representative, and retain a qualified avian biologist to determine if migratory birds or species at risk are present. If identified, consultation with Environment Canada is required to determine appropriate management options.
- .5 Inspect the structure on a daily basis to remove any nests under construction and adjust or install additional preventative measures to prevent further nesting.
- .6 Maintain the preventative measures until August 15th or until the affected work is completed, and remove them when no longer needed.
- .7 In the event that the measures are not successful in preventing nesting in proposed work areas, stop work in the vicinity of the nests, notify the Departmental Representative and retain a qualified avian biologist to determine if migratory birds or species at risk are present. If identified, consultation with Environment Canada is required to determine appropriate management options.

1.3 NAVIGATIONAL CHANNELS

- .1 Do not obstruct the navigation channel. The navigation clearance is 90 meters wide and 11 meters high and is located between pillars 2 and 3.
- .2 Existing navigational lights and markers must remain unobstructed and operational at all times. Provide temporary lights if necessary to the requirements of Transport Canada.
- .3 Prepare Navigational Control Plan, and submit to Transport Canada and Departmental Representative for Approval.
- .4 Supply, erect and maintain warning signs 250 meters upstream and downstream of the site until completion of the project to clearly warn boat traffic of construction operations. Provide reflective surfaces on signs that are in both official languages.

- .5 Install navigational buoys, advance notification signs, and cautionary markers as per approval under the Navigation Protection Act (NPA) issued by Transport Canada.
- .6 Do not commence work during the navigation season until the appropriate signs and markers have been erected.
- .7 Scaffolding or work/platforms over the navigational channel must be marked with flashing amber lights from dusk to dawn and during all periods of restricted visibility, as indicated by the Departmental Representative.

1.4 HOLIDAY RESTRICTIONS

- .1 No work is to be permitted on the site after 7:00 PM on the day preceding any holiday until 6:00 AM on the day following the holiday.
- .2 Holidays include:
 - .1 Good Friday
 - .2 Easter Monday (optional)
 - .3 Victoria Day
 - .4 National Day (June 24)
 - .5 Canada Day
 - .6 Civic Holiday (optional)
 - .7 Labour Day
 - .8 Thanksgiving Day (optional)
 - .9 Christmas Day
 - .10 Boxing Day
- .3 Accompany Departmental Representative for an inspection of the bridge after Canada Day celebrations, at 10:30 PM on July 1st, prior to opening the bridge to vehicular traffic.

1.5 LANE CLOSURES AND RESTRICTIONS

- .1 Prior to installation of access platforms supported by the structure, and prior to applying any other construction loads to the structure, implement a full time closure of the east lane. Inform the Departmental representative of east lane closures two (2) weeks in advance and obtain the Departmental Representative's approval before proceeding with the closure. Maintain the east lane closure at all times until construction loads have been removed from the structure. For the entire duration of the east lane closure, the center lane shall be operated as a reversible lane in accordance with the following:
 - .1 Monday to Friday (weekdays):
 - .1 2:00 PM to 7:00 PM – Northbound to Gatineau
 - .2 7:00 PM to 2:00 PM – Southbound to Ottawa.
- .2 Complete lane closures (simultaneous closure of both the east and center lanes) will be permitted when required elsewhere in the contract documents (e.g. during the execution of steel repairs that must be completed under zero live load condition), or when required for the protection of workers or for the protection of vehicular traffic (e.g. during the east and west truss above deck repairs), and only during the night time closure and weekend closure hours described below. Inform the Departmental Representative of complete lane

closures 2 weeks in advance and obtain the Departmental Representative's approval before proceeding with the closure.

- .1 Weekday day time complete lane closures will not be permitted.
- .2 Weekday night time complete lane closures will only be permitted between the hours of 7:00 PM and 6:00 AM. Noise by-laws must be respected.
- .3 Weekend complete lane closures will only be permitted between the hours of Friday 7:00 PM and Monday 6:00 AM.
- .3 Ensure that the works do not put users at risk, such as to falling objects. Ensure that working methods, schedules and lane closure(s) are planned accordingly.
- .4 Vehicle lanes to be free of obstructions and in safe condition for public use prior to re-opening lanes for public use.
- .5 Obtain and submit to Departmental Representative all applicable approvals and permits for road closures from Municipal and Provincial authorities before proceeding with closures.

1.6 RESTRICTIONS AND CLOSING OF THE PEDESTRIAN AND CYCLING LANE

- .1 No complete closing of the pedestrian and cycling lane on the bridge will be authorized. Maintain access for pedestrians and cyclists on the bridge at all times.
- .2 When working on the West truss above the pedestrian and cycling lane, provide adequate overhead protection to protect pedestrians and cyclists from falling objects.
- .3 The partial closing of the pedestrian and cycling lane over a maximum length of 50 metres, while maintaining a minimum width of 2.5 metres free for pedestrians and cyclists, will be authorized upon approval by Departmental Representative.

1.7 TIMING OF WORK

- .1 Field measurements and shop drawing preparation to commence upon contract award.
- .2 For a given section of the bridge, complete all the work described below before beginning the following work in the following order of priority:
 - .1 Closure of east lane;
 - .2 Installation of access works for structural repairs to west truss bottom chord L11-L12 and L32-L33;
 - .3 Structural repairs to west truss bottom chord L11-L12 and L32-L33.
 - .4 Installation of access works for remainder of structural repairs and coating, subject to construction load limits;
 - .5 Preparation of surfaces at connections;
 - .6 Prime coating of surfaces at connections;
 - .7 Completion of repair work on the steel structure;
 - .8 Remaining coating work;
 - .9 Dismantling of the access works;
 - .10 Re-opening of the east lane once all construction loads are removed.
- .3 The other works not listed above can be completed at any time.

- .4 For painting work being conducted between October 1 and April 30, provide appropriate cold weather protection regardless of weather conditions. Supply shelter, and heat surfaces and surrounding air to comply with temperature and humidity conditions specified. Costs are deemed to be included in the work associated to specification section 09 97 19 – Painting Exterior Metal Surfaces.

1.8 EXISTING SERVICES

- .1 Make note of the presence of the following utilities on the worksite:
 - .1 Roadway lighting system
 - .2 NCC electrical conduits
 - .3 Navigational lights
- .2 Prior to commencing the work, arrange with the appropriate Utility authorities for the stake out of all underground Utilities and service connections that may be affected by the Work. Observe the location of the stake outs prior to commencing the Work and notify the Departmental Representative and affected Utility immediately of any conflict with the Work so that it can be resolved.
- .3 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .4 Where Work involves breaking into or connecting to existing services, carry out work at times as directed by governing authorities with minimum disturbance to pedestrian and vehicular traffic.
- .5 Provide temporary services when directed by Departmental Representative to maintain critical systems.
- .6 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .7 Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction.
- .8 Damage as a result of work must be repaired at no expense to the Departmental Representative.
- .9 Record locations of maintained, re-routed and abandoned service lines.
- .10 Construct barriers in accordance with Section 01 56 00 –Temporary Barriers and Enclosures.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION