

SCHEDULE I – SCHEDULE

The following is a preliminary estimate of the schedule of Work for this Contract. A detailed schedule will be submitted in accordance with the requirements of Section 01300-Submittals.

	Month				Month				Month				Month			
Week Beginning																
Work Item																

Expand the form and use additional sheets as required to present a complete preliminary schedule for commencement to completion of the Work.

SCHEDULE J - SUPERVISION

We agree not to change the site superintendent without the permission of the Owner and that the site superintendent will be on site during all construction activities.

Site Superintendent:

Name: _____

Number of Years of Construction Experience: _____

Number of Years Employment with Bidding Firm: _____

<u>Project Description</u>	<u>Contract Value</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

References: (List Owners of Projects)

<u>Contact Person</u>	<u>Organization</u>	<u>Telephone Number</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SUBMISSION LABEL

FROM: _____

**TO: City of Regina, City Hall
Main Floor Ambassadors Desk or 5th Floor Purchasing Branch
2476 Victoria Avenue, PO Box 1790
Regina, SK S4P 3C8**

CLOSING DATE: _____

COMPETITION NO: _____

PROJECT NAME: _____



April 22, 2015

(306) 787-2467

City of Regina
2476 Victoria Avenue
REGINA SK S4P 3C8

File number:
2014-WEYB-064-RC4 RENEW

Re: Aquatic Habitat Protection Permit for Bridge Decommissioning and Culvert Installation on Pilot Butte Creek 22-17-19 W2 – RENEWED

Please find enclosed the Aquatic Habitat Protection Permit authorizing the City of Regina to proceed with the bridge decommissioning and culvert installation at the above location insofar as the Water Security Agency is concerned.

It is understood from your email on December 15, 2014 that the work applied for has not been completed and that an extension of the project is required. It is also understood that the scope of the project has changed and now includes replacing the existing westbound and eastbound bridges with 3 precast concrete box culverts of 2.4 m height, 3.0 m width and 0.25 m thickness as well as decommissioning the East gate bridge adjacent to the bridges and reclaiming the area back to its natural state. Work involves excavating the stream bed and installing a temporary coffer dam prior to construction. Appropriate sediment and erosion controls will be applied at all stages of the project as required and monitored. The East gate wooden bridge will be removed as will the road between Coleman Crescent and 60 m East of the bridge. The land will be contoured and seeded.

If the project changes in any way from that submitted, or the conditions of the attached permit cannot be met, this permit is no longer valid. Please contact this office so that further review and approvals may be carried out.

Prior to beginning the work associated with this Aquatic Habitat Protection Permit, a Conservation Officer must be notified at the Ministry of Environment district office in Regina. The phone number for this office is (306) 787-2080 and the e-mail address is Mark.Dietz@gov.sk.ca.

.../2

Permit holders are reminded that the any discharge of any substance that may cause an adverse effect or is covered by *The Environmental Spill Control Regulations* shall be reported to the Ministry of Environment (MOE) at 1-800-667-7525. Should you require more information on discharges and spills, please check Saskspills (<http://www.saskspills.ca/about.asp>) or the MOE website (<http://www.environment.gov.sk.ca>). You may also contact the MOE Client Service Office at 1-800-567-4224.

This Aquatic Habitat Protection Permit is valid only so far as the Water Security Agency is concerned and does not release you from the responsibility of obtaining any other approvals that may be required under federal, provincial or municipal legislation. The permit holder is responsible to obtain the necessary approvals from the local municipality for these improvements. Land control and access are also the responsibility of the permit holder.

If you have any questions, please contact me at (306) 787-2467 or at Tanya.Johnston@wsask.ca.

Sincerely,

Signature Removed

Tanya Johnston
Supervisor, Aquatic Habitat Protection
Environmental and Municipal Management Services

Enclosure

cc: Mark Dietz, Compliance Area Specialist, Ministry of Environment, Regina
Dave Lacharite, Regional Supervisor, Water Security Agency, Weyburn



AQUATIC HABITAT**PROTECTION PERMIT**

Pursuant to Section 36 of *The Environmental Management and Protection Act, 2002*, permission is hereby granted to the City of Regina (“Permit Holder”), and any agents acting on behalf of the City of Regina, to proceed with the bridge replacement and culvert installation on Pilot Butte Creek at 22-17-19 W2.

This permit is issued subject to and restricted to the following conditions:

1. Machinery and heavy equipment must arrive at the project site clean and free of fluid leaks or accumulations of external contaminants that may include, but are not limited to: oil, fuel, grease, other lubricants, soils, mud or plant materials.
2. Machinery and heavy equipment must be cleaned, fuelled, serviced and stored in a manner that will not contaminate the bed, bank or boundary of any water body or watercourse.
3. No machinery or heavy equipment is to enter water under any circumstances. The only exceptions are the use of necessary attached booms, buckets, other tools, or implements.
4. Effective measures must be used to minimize any damage to the bed, bank or boundary of water bodies and watercourses from the transport and operation of heavy equipment. Machinery and heavy equipment must to be located and operated from a stable location above the natural bank.
5. Work shall be done under dry or frozen conditions. If the site is not dry or frozen, then work may occur, but only under isolated (de-watered site) conditions and flows must be bypassed around the work site (e.g. by damming and pumping). Heavy machinery and equipment may be used below the natural bank and boundary if the work site has been isolated appropriately. If there is potential for damage to the bed or banks to occur as a result of the operation of heavy equipment, then appropriate measures must be used to prevent rutting and compaction (e.g. swamp mats).
6. Cofferdams must be constructed of clean, non-erodible materials such as sand bags, Aquadam-type installations, steel or wood walls, concrete blocks, clean riprap, etc. Earthen fill material containing fine sediments shall not be used unless, prior to its placement within the watercourse, it is contained using a non-erodible material that will prevent the release of sediment contained therein. Once installed, cofferdams shall be appropriately sealed (e.g. lined with heavy gauge plastic, the bottom sealed with sand bags, etc.), as required, to prevent the coffer dam structures from leaking.

7. Material for coffer dams must be obtained from outside the bed bank or boundary of any watercourse or water body. Upon removal, coffer dam locations must be restored and stabilized to the approximate original width, depth, and substrate of the watercourse or water body.
8. Downstream water flow must be maintained at the natural flow rate at all times for the duration of the project (i.e. water flows are not to be impeded).
9. An energy dissipation area must be installed if water will be pumped downstream to prevent sediment transport.
10. The discharge areas for all pumps must be armoured with clean rock, geo-textile fabric or some other energy dissipating device to prevent erosion and scouring of the watercourse bed and bank at the points of discharge. For any dewatering activities, water shall be released into a well-vegetated area or settling basin and not directly into the watercourse, provided the water is able to return to the watercourse after sediment has filtered out. Water entering the watercourse will be of equal or better quality than the receiving water.
11. Salvaged or decommissioned piles from timber bridges must be removed at or below the existing streambed elevation.
12. For bridges being removed or replaced, all bridge components, temporary structures and project debris shall be removed from the site and disposed of in approved locations. No bridge materials shall be burned, buried or disposed of on site. This does not include the clean, granular material deposited to create mounds.
13. Measures must be taken (e.g. shrouding) to collect debris created during the demolition of wood box culverts.
14. The culverts must be appropriately sized to accommodate expected water flows and not result in the restriction of natural stream flow patterns.
15. The culverts must be installed in a manner that will not result in it becoming perched or hanging.
16. The culvert inlet and outlet must be adequately protected with rock rip-rap to prevent erosion and scour of the bed and banks.
17. All concrete products must be sufficiently cured to prevent leaching before being placed into the lake.
18. Materials such as oil, asphalt and tar used in road repairs must not enter watercourses or water bodies.
19. After the permanent removal of a bridge crossing, the crossing site shall be restored to the approximate original width, depth and substrate of the watercourse.

20. No earthen fill, sand or any other material shall be pushed into the water or deposited below the bank.
21. When contouring, material shall only be pulled back from the shoreline and stabilized in a manner that prevents it from eroding into any water body or watercourse. Stabilization materials and methods used shall follow the natural contours of the shoreline along the bank of the water body or watercourse.
22. Effective erosion control measures must be installed, monitored, maintained and replaced or upgraded as necessary prior to, during and following project completion to ensure they remain effective until the project site stabilizes and re-vegetates.
23. Existing vegetation shall be retained as much as possible. Root systems must not be disturbed or dug out and brush is to be cut off at ground level.
24. Rock rip rap, gravel and other excavated material shall be obtained from outside the bed, bank or boundary of any watercourse or water body, with the exception of materials that need to be relocated as part of the project. These materials must also be clean and free from oil, grease or other contaminants.
25. Excavated and stockpiled materials shall be located above the bank and stabilized so they will not erode into any water bodies or watercourses.
26. All disturbed project site areas, including disturbed slopes adjacent to any water body, shall be stabilized with short and long-term erosion control measures that have been tailored to site conditions.
27. Hazardous substances such as fuel, oil, grease, paint, and solvents must be stored where they will not contaminate any water body or watercourse and disposed of appropriately.
28. All contractors are to receive copies of all permits before they begin any work. A copy of the permit must be on site at all times and available for review by a Conservation Officer.
29. All spills of any oil, fuel, hydraulic fluids or waste dangerous goods must be immediately contained and reported to a Conservation Officer at (306) 787-2080. All spills meeting or exceeding the quantities specified in the *Environmental Spill Control Regulations* must be reported and handled according to the regulations. The Provincial Spill Control Centre (Spill Line) is 1-800-667-7525.
30. The Permit Holder is solely responsible for all design, safety, and workmanship aspects of all works associated with this permit.
31. The Water Security Agency or Ministry of Environment may order the Permit Holder to cease any or all work regarding this project if, in the Agency's opinion, the work is or may cause harm to the environment.

32. The Water Security Agency or Ministry of Environment may order the Permit Holder to do any further work required to rectify any actual or potential problems that is deemed necessary to protect the environment.
33. The Permit Holder agrees to all conditions and/or orders regarding this permit.
34. This permit is valid until **March 31, 2016**. Re-application is required if further work is planned.

Signature Removed

Tanya Johnston, Supervisor, Aquatic Habitat Protection
Environmental and Municipal Management Services

Department of Fisheries and Oceans Canada (DFO)

The Fisheries Protection Program (the Program) of Fisheries and Oceans Canada received your proposal on June 3, 2014.

Based on the information provided, your proposal has been identified as a project where a *Fisheries Act* authorization is not required given that serious harm to fish can be avoided by following standard measures. Proposals in this category are not considered to need an authorization from the Program under the *Fisheries Act* in order to proceed. In order to comply with the Act, it is recommended that you follow our guidance tools which can be found at the following website (<http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html>). It remains your responsibility to meet the other requirements of federal, provincial and municipal agencies.

Should your plans change or if you have omitted some information in your proposal such that your proposal meets the criteria for a site specific review, as described on our website (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>), you should complete and submit the request for review form that is also available on the website.

Should you have any questions or concerns about the compliance of your proposal with the *Fisheries Act*, you may wish to engage an environmental professional familiar with measures to avoid impacts to fish and fish habitat (<http://www.dfo-mpo.gc.ca/pnw-ppe/env-pro-eng.html>).

Yours sincerely,

Jennifer Thomas
A / Team Leader, Triage and Planning
Fisheries and Oceans Canada

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential *Fisheries Act* violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat and self-assessment tools that enable you to determine *Fisheries Act* requirements are available at DFO's "Working Near Water" website at <http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm>. For all occurrence reports, or project proposals where you have determined, following self-assessment, that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries you can also call 1 855 852-8320.

Amrutha Raghu

From: Thorsteinson, Inga
Sent: Thursday, May 15, 2014 11:16 AM
To: 'Amrutha Raghu'
Subject: RE: Opt in request

Hi Ruth,

In the case of 2011-600425 Pilot Butte Creek, it was determined as not navigable at that location. Unless local conditions have changed for that creek, that decision would be still valid and an opt in for that location would not be accepted, nor necessary as we wouldn't have a mandate there.

Regards,

Inga Thorsteinson

NPP Officer/ Agent de la PPN
Transport Canada/ Transports Canada
344 Edmonton Street, Winnipeg MB R3C 0P6
Government of Canada / Gouvernement du Canada
T (204) 983-8316F (204) 983-8316

From: Amrutha Raghu [mailto:amrutha_raghu@clifton.ca]
Sent: Thursday, May 15, 2014 10:15 AM
To: Thorsteinson, Inga
Cc: Bryce Jardine
Subject: Opt in request

Good morning Inga,

I was with Bryce when we had a phone discussion about the questions about the vessel size and manoeuvrability this morning.

We are working with another client for bridge replacement over the pilot butte creek, Regina. Our client have previously determined through the Transport Canada that the work is not subject to NWPA and therefore approval from NWPA is not required. The file no is 8200-2011-600425.

Just wondering if the previous letter from Transport Canada serves the purpose of opt-in under the new act or do we have to go through the process again? It would be great if you could help me out with this.

Thank you for your time.

Ruth

Work Smart, Work Safe.

Amrutha Raghu, M.A.Sc
Environmental Engineer
Clifton Associates Ltd.
340 Maxwell Crescent, Regina, Saskatchewan S4N 5Y5



Ministry of
Tourism, Parks,
Culture and Sport

Heritage Conservation Branch
2nd Floor, 3211 Albert Street
Regina, Saskatchewan
S4S 5W6

(306) 787-2848
jennifer.thompson@gov.sk.ca

April 24, 2014

Our File: 14-850

Ms. Amrutha Raghu
Clifton Associates Ltd.
340 Maxwell Crescent
REGINA SK S4N 5Y5

Dear Ms. Raghu:

**RE: Victoria Avenue Bridge Replacement:
W ½ 22-17-19-W2M;
HERITAGE RESOURCE REVIEW**

Thank you for referring this project to our office for review.

In determining the need for, and scope of, heritage resource impact assessment (HRIA) pursuant to S. 63 of *The Heritage Property Act*, the following factors were considered: the presence of previously recorded heritage sites, the area's overall heritage resource potential, the extent of previous land disturbance, and the scope of new proposed land development.

There are no recorded archaeological sites located in potential conflict with the proposed development. The project is located on land that has previously been disturbed by development. As such, the potential for heritage sites to be adversely affected by this project is low. Therefore, our office has no concerns with the project proceeding as planned.

If you have any questions, please do not hesitate to contact me.

Sincerely,
[Signature Removed](#)

Dr. Jennifer A. Thompson
Archaeologist/GIS Specialist
Archaeological Resource Management