

Environment Act Licence

Manitoba
Environment



Licence No. 1888 R
Issue Date August 15, 1994

(Revised Date: March 29, 1995)

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125)

THIS LICENCE IS ISSUED TO:

THE CITY OF WINNIPEG: "the Licencee"

for the construction and operation of the Development being the Main Street and Norwood Bridges across the Assiniboine and Red Rivers in the City of Winnipeg. The Development involves the construction of a divided facility with four lanes in each of the northbound and southbound directions including modifications to associated roadworks and facilities within the project limits extending from between York Avenue and Broadway on Main Street, Monck Avenue on St. Mary's Road, Marion and Goulet Streets to a point 100 meters east of St. Mary's Road and to points 50 and 100 meters west of Harkness Street on Stradbroke and River Avenues, respectively:

DEFINITIONS:

In this Licence:

- "dBA" means a denotation used to indicate a unit of sound measurement;
- "dB (decibel)" means a dimensionless measure of sound level or sound pressure level where the sound level = $20 \log_{10} \frac{\text{pressure (actual)}}{\text{pressure (reference)}}$;
- "L_{dn}" means the day-night average sound level; i.e., the 24 hour A-weighted sound level, with a 10 decibel penalty added to the night-time (11:00 p.m. to 7:00 a.m.) levels. The L_{dn} shall be based upon the design year traffic volume, and shall be in accordance with the outdoor sound level limits for residential areas adjacent to regional transportation facilities set out in the City of Winnipeg's "MOTOR VEHICLE NOISE POLICIES AND GUIDELINES". *(The point of reception for determining noise impacts as defined in the City of Winnipeg's "MOTOR VEHICLE NOISE POLICIES AND GUIDELINES," shall be at the limit of the outdoor recreational area closest to the roadway and at a height of 1.2 meters above ground.)*;
- "L_{eq}(1) (energy equivalent level)" means the A-weighted sound level (as decibels {dBA}) of a constant or steady sound, for a one hour period, which has an amount of acoustic energy equivalent to that contained in the sound being measured;

"outdoor recreational area" means an area as defined in the City of Winnipeg's "MOTOR VEHICLE NOISE POLICIES AND GUIDELINES" as a ground level outdoor recreational living area adjacent to a residential unit accommodating a variety of individual outdoor activities.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS:

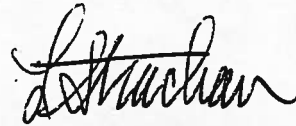
1. The Licencee shall construct the Development in accordance with the alignment, configuration and design as described within the *Environment Act Proposal, dated September 1993* and the *Environmental Impact Assessment Report for the Main Street and Norwood Bridges Project, March 1994*, except as otherwise required by this Licence.
2. The Licencee shall, prior to beginning any construction of the Development, submit an Engineering Report to the Director for approval. The Engineering Report shall:
 - a) contain the results of a completed field monitoring program of background noise levels (L_{dn}) for outdoor recreational areas in the residential areas adjacent to the Development;
 - b) recommend specific pedestrian and cyclist safety measures to be incorporated into the final design of the Development;
 - c) recommend measures to manage runoff from the bridge decking and to contain hazardous material runoff from directly entering the Red and Assiniboine Rivers during a contingency event; and
 - d) recommend monitoring programs to be undertaken after completion of construction of the Development for traffic noise, pedestrian and cyclist safety and fish spawning in the area of the development.
3. The Licencee shall construct, as part of the Development, the measures to minimize runoff from the bridge decking entering the Red and Assiniboine Rivers as recommended in the Engineering Report required by Clause 2 of this Licence and as approved by the Director.
4. The Licencee shall, no later than one year after completion of construction of the Development, implement the monitoring programs required by Clause 2(d) of this Licence and as approved by the Director.
5. The Licencee shall, no later than one year after completion of the monitoring programs required in Clause 4 of this Licence, provide the Director with a second Engineering Report. This Report shall include an analysis of the data generated by the monitoring programs related to noise, pedestrian and cyclist safety, and fish spawning.

6. The Licencee shall, prior to the final design stage of the foundation aspects for the Main Street and Norwood bridges, consult and reach an agreement with the Water Resources Branch on the mitigation requirements to protect the groundwater system during construction of the bridge foundations.
7. The Licencee shall, on Sundays and statutory holidays, and between the hours of 11:00 p.m. to 7:00 a.m. local time from Monday to Saturday during the construction of the Development, cease any construction activity which results in a $L_{eq}(1)$ (energy equivalent level) which exceeds the background level by 5 dBA in residential areas adjacent to the Development.
8. The Licencee shall, during construction of the Development, maintain access to affected residential properties.
9. The Licencee shall, during construction of the Development, consult with the Historic Resources Branch, Manitoba Department of Culture, Heritage and Citizenship to arrange for the recovery of any archaeological material.
10. The Licencee shall, during construction of the Development, undertake measures to ensure that runoff containing suspended soil particles is minimized from entering the Red and Assiniboine Rivers to the extent possible.
11. The Licencee shall, during construction of the Development, undertake measures to ensure that demolition and construction debris is prevented from entering the Red and Assiniboine Rivers.
12. The Licencee shall, during construction, adhere to the Manitoba Department of Natural Resources Guidelines titled *Recommended Fish Protection Procedures for Stream Crossings in Manitoba*.
13. The Licencee shall, between April 1 to June 15 of each year of construction of the Development, cease all construction activities that may impact upon the Red and Assiniboine River stream channels and which may affect fish mobility and fish habitat. During the first year of construction instream work on the Red River shall be permitted to begin by June 1 and shall be limited to the installation of support piling for the temporary work bridges.
14. The Licencee shall, prior to April 1 of each year during construction, ensure that all areas of the Red and Assiniboine River banks that are disturbed by the construction activities are rip-rapped with rock to limit erosion and sedimentation into the Red and Assiniboine Rivers.
15. The Licencee shall, during construction, and in accordance with *Manitoba Regulation 97/88R* respecting *Storage and Handling of Gasoline and Associated Products*, ensure that any temporary fuel storage areas established for the construction of the Development are contained by an impermeable dike and are located a minimum distance of 100 meters away from the high water line of the Red and Assiniboine Rivers.
16. The Licencee shall, at the completion of construction, ensure that the banks of the Red and Assiniboine Rivers are stabilized from channel level to high water elevation at bank-full conditions.

17. The Licencee shall, during and at the completion of construction, cleanup the construction area and deposit all resulting debris at a Waste Disposal Ground operating under the authority of Manitoba Regulation 150/91.
18. The Licencee shall, at the completion of construction, landscape and vegetate all areas disturbed during the construction with native and/or introduced plant species in order to restore and enhance the site and to protect against soil erosion.

REVOCATION

If in the opinion of the Director the Licencee has not complied or is not complying with the specifications, limits, terms or conditions set out herein, the Director may revoke, temporarily or permanently, this Licence.



Larry Strachan, P. Eng.
Director
Environment Act

File No.: 3563.00