



## KING WILLIAM STREET BEACON AND GATE **PUBLIC ART** PROJECT

### **CALL FOR ARTISTS**

### **Appendix C / MATERIALS AND METHODS**

The following information is provided as a guideline to assist artists in making appropriate material, equipment and fabrication selections to suit their proposed designs and the site. Depending on the design proposed other materials and methods not discussed here may be acceptable.

Artists selected for Stage 2 will be given the opportunity to consult with structural and electrical engineering consultants engaged by the City of Hamilton to recommend design features, materials and methods to assist artists in developing proposals appropriate and feasible for the site and requirements.

The information in this Appendix should be considered along with site information provided in **Appendix B**.

#### **Material Selection**

Materials and equipment selected must be durable in the environment of a busy public place in all seasons. They should be corrosion, salt and graffiti resistant.

Preferred materials include but are not limited to Aluminum, Bronze (waxable patinas), Granite, Glass and Stainless Steel of a high grade 316. Materials to be avoided include but are not limited to organic materials; such as wood, paper and textiles, plated metals, plastic; such as epoxy and polyurethane, marble and sandstone. It is the responsibility of the Artist to research the accepted durability of the materials they propose. Consideration will be made for alternative materials that are able to withstand elements such as extreme temperature change, sunlight, airborne particulars, salt, etc.

#### **Design and Installation**

The art work shall be fabricated and installed such that it will withstand local wind forces, accounting for wind speeds of 120 kph (75 mph) plus relevant shape-dependent gust factors to 30% and prevent or withstand climbing by the public. Sharp edges and pointed pieces should be avoided. Designs should discourage climbing of the art work by avoiding any features that could be grasped or restrict climbing to a minimum of 3m above grade level.

The Artist is responsible for the final structural and electrical design of all elements of the art work including the foundation and attachment design and delivery to site. The City is responsible for the construction of the foundation and installation. The method, materials and schedule for installation shall be coordinated with and approved by the Director of Tourism and Culture Division or their designate before any fabrication occurs.



### **Retractable Street Closure Gate**

The art work shall incorporate a retractable street closure gate. This Feature will function to close King William St to vehicular traffic from James Street when festivals or other community events are programmed for the street.

The Feature should indicate, when extended and in place, that King William St is closed to vehicles by physically blocking the width of the street and including road closure signage. See Appendix B, page 10, for size and details. The Feature should be designed to open with a master key and operated manually by one person. It should not rely on electricity to open and close.

The form of the gate and how it will be, expanded, collapsed, lowered or unrolled is at the discretion of the artist(s). The gate must be housed and secured on site when the street is open. The design will be subject to approval by the City of Hamilton and its technical advisors. Clearance must be provided from existing utilities in the planter bump-out on the north side of King William Street where a terminus for the feature may be located.

### **Electrical/Digital/Controls**

A power supply of 350W at 120V, 1-phase, is available at the base to power features of the artwork.

All electrical features and fixtures should be energy efficient, durable in an outdoor urban environment and require minimal maintenance.

Electrical and digital controls should be simple to use and have manual controls accessible on the work itself.

### **Ongoing Maintenance**

Art works that require extensive ongoing maintenance on a weekly or monthly basis such as fountains or types of planted materials are discouraged.