

STREET SMART

a new way of living the city

PRINCIPAL COMPONENTS OF THE NETWORK

Implementation of the Street Smart road system will occur in several phases. Prioritizing commercial streets, major thoroughfares, regular thoroughfares and then connecting streets.

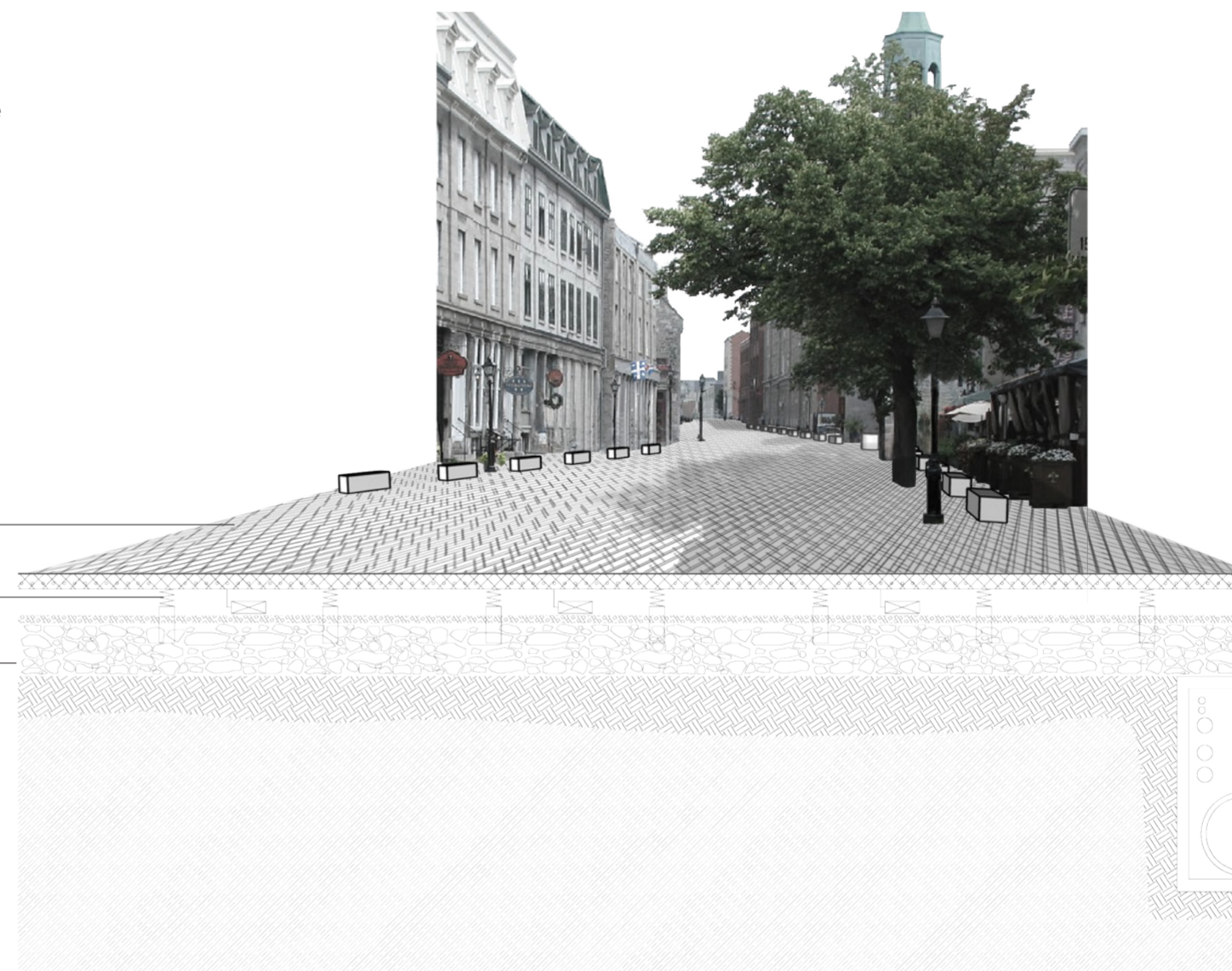


PRINCIPAL COMPONENTS OF THE SYSTEM

The system contains several layers:

- the top a perforated grid that will allow for water percolation and will reinstate a natural water cycle.
- Imbedded in the perforated grill, will be sensors to recognize pattern flow and lights to direct the traffic accordingly (thresholds will be pre-determined to set the standard)
- piezoelectric generators will produce energy from the vibrations from vehicles as they drive along the road which will power the light system
- thermal heating will be gathered through movements by the metro system which will ensure by clearing any snow for continuous visibility of the signals

perforated grid with integrated lights and sensors
 piezoelectric energy system (springs and generators)
 water retention system made with recycled material
 thermal energy system to ensure visibility during the winter season



Road networks constitute an entity, which plays a prominent role in structuring the built environment and in providing physical connections.

By exploring the potential of these relationships, we propose to transfer the governance of the street from a disembodied political generalization to an actualized public engagement. Circulation arteries will be reborn as a living organism engendered by a continuous flow of communication between the user and the technology.

Grounded in Michel Deronzier's "Street Sharing Theory," Street Smart proposes a socially sustainable model for directing traffic hierarchies based on the particular needs of its actors. Through the infrastructure, space allocation would be permitted to continually redefine itself to optimize real-time movement, while considering a comprehensive analysis of previous collective use.

This inclusive approach, democratic in nature, serves to empower the citizen, to bring to the foreground the feeling of being part of a larger community, past and present, to encourage the user appropriate her space and in doing so, share in a sense of responsibility.

PRINCIPAL COMPONENTS OF THE ROAD

The intelligent technology is comprehensive in nature. Space is negotiated through the users actions and through algorithms set by previous patterns of movement.

