This thesis models a system of movement. Any space containing obstacles and needing to be traversed offers resistance to whom or whatever may be trying to navigate it.

This resistance transfers directly to inefficiencies of both time and resources.

In the case of a city the problem becomes multiplied by both the number and complexity of obstacles and is then exponentially complicated by the number of individuals and their direction of travel.

Attempting the removal of all obstacles for all involved is futile. The answer lies in offering an alternative to the majority and doing so in a way that encourages its utilization.

The Construct

The physical presence of this project, the tracks the stations and the support buildings, will indubitably change each and every place it becomes part of. It will need to actively exist in its surroundings in a way that reflects a conscious and creative design effort.

Longevity/Durability

Similar to any large government funded project there will be an obligation to the tax paying public to ensure that the design of the mechanics throughout the entire development is done with the intention of a long service life and that the ability to withstand a workload above what would be expected is engineered into them.

Efficiency

For a system to be called on to run constantly with high loads and low maintenance there will need to be serious and educated thought towards the ability of this system to not only provide for its own energy needs but also possibly provide excess for consumption elsewhere.

City Provident

In 100 Years...