**Elevated cycle track**

**Introduction**

Designing an elevated cycle track is totally different than a road bridge, metro bridge or even foot over bridge. Everything must be designed with respect to the cyclist. If someone is driving a car his/her eyes focus on the straight road because of the speed and hence the only road affect him, but for the cyclist, this is very different .as car driver lives in his own environment while cyclist lives in the whole surrounding environment. And hence due to its open nature and slow pace Which means cyclist is more directly connected to urban contexts.

Use of cycles in cities is one of the key solutions to major problems of the city. But still very few peoples use cycles .reasons could be following.

* Lack of cycle track
* Lack of well-lit space
* weather
* Safety (road accident, robbery, etc.)
* More physical work
* Parking

by good urban designing exercise, we could encourage people to use cycles. But building and maintaining cycle track has become extremely difficult in cities .because of lack of space.

So we should change our altitude either upward or downward. The idea of building cycle track downward does not make much sense .as no cyclist will prefer biking in a closed and narrow lane. Because aesthetics is something which matters most for a cyclist as compared to any travel mode available.

So we are taking track upward. Benefits of elevated cycle track are following.

* Safety
* Attractive

And other problem faced by a cyclist can be solved by this concept very efficiently. Building an elevated cycle track not only solve current problems of cyclist but also adds some precious factors which increase the efficiency of the cyclist. Like rising in elevation gives the cyclist a feel of flying through the city. And these small factors increase the biking distance and biking satisfaction of cyclist.

**Why will anyone use cycle instead of a car, motorbike or cab?**

* Cheap
* Directly connected to public transport systems.
* Goodbye to traffic jams.
* Safety
* Makes mind fresh
* Improve fitness
* Feels good to use a beautifully designed space rather than 100 years old automotive.

So we can encourage peoples to use public space on behalf of time and luxury.

Now it should be clear we cannot comprise aesthetic because of the cost factor. Aesthetic from the point of view of a cyclist, someone looking at the track, tourist, and localities. Are very important factors to be considered.

**challenges**

If we are working on a project on such a large scale it operational 24\*7 and in all season. Darkness can be countered by use of lights for safety factors and CCTV camera for surveillance can be installed. but to counter weather we must build a roof on whole track .which has its own challenges.

* Cost
* Track become a closed space (cyclist aesthetics)

As elevated cycle tracks were never built in cities, so the challenge’s it will face are still unknown .even the best ideas have a great probability of failure. And putting lots of money into such project is risky, so the project must be modular, modifiable, and must be designed to later add on facilities, extension ports, and future proof.