

Kalanagar

'Re-inventing The Urban Infra-structure'



Bryonn Architecture Ltd.
UK : India

www.bryonnarchitectureltd.com

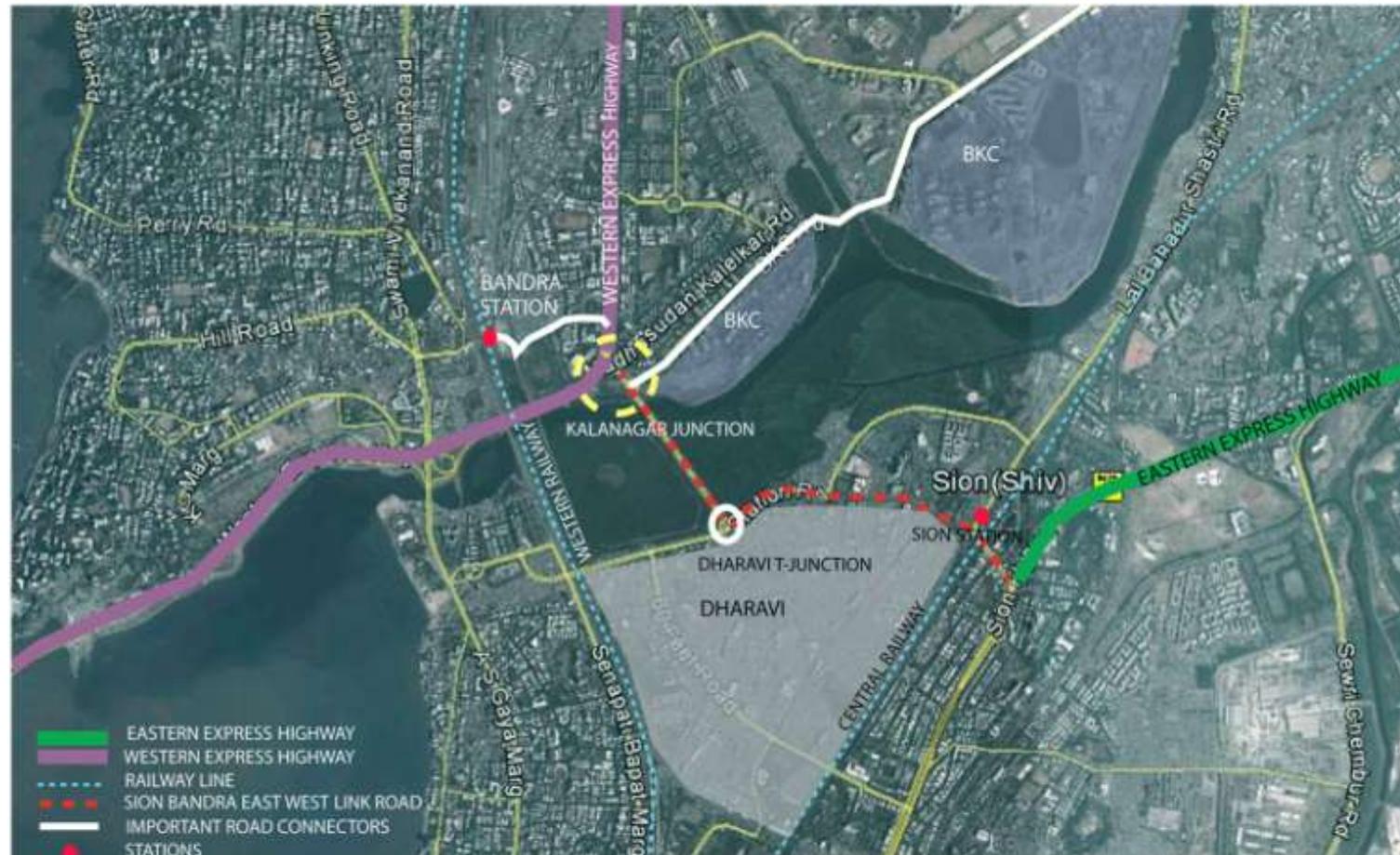
Mumbai

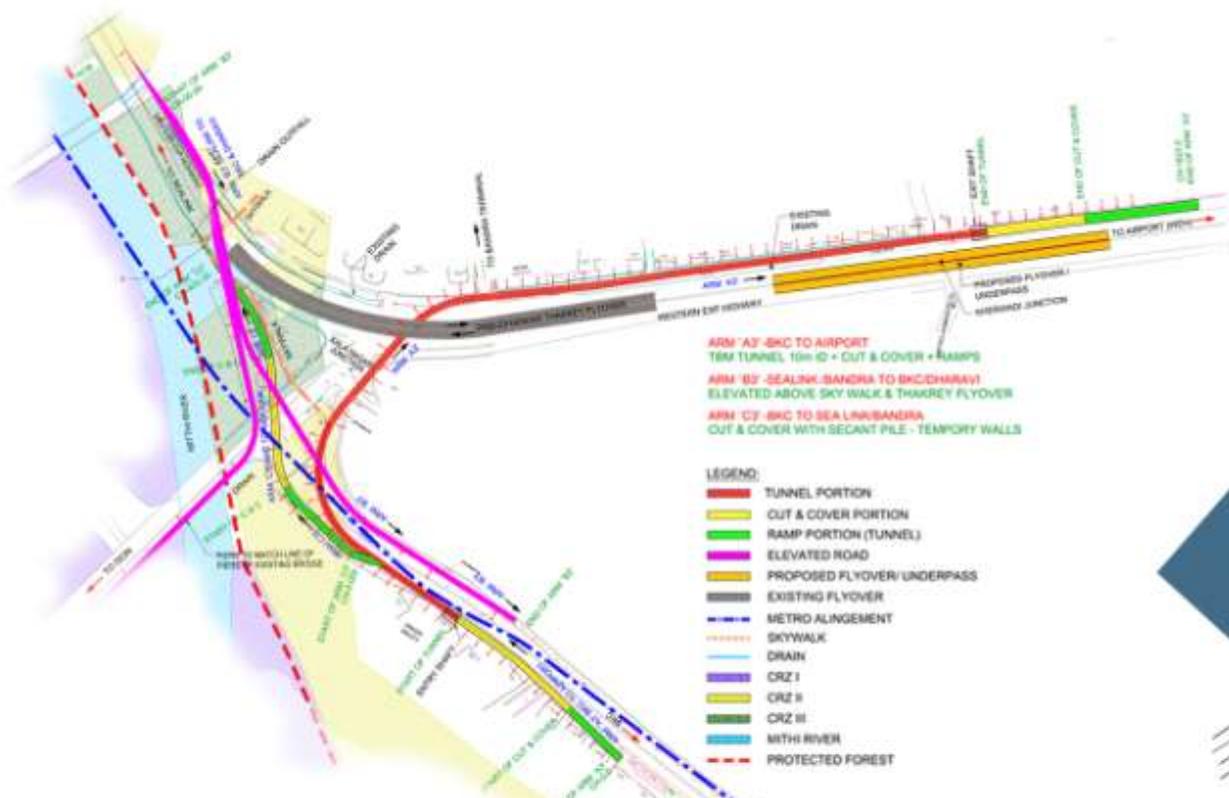
The thriving economic capital of India continues to expand at an exponential rate making it one of the busiest metropolis in the world. With 22 million population and an intense traffic network between North-South and East - West connectivity of Mumbai, Kalanagar junction has been the most challenging nodes of Mumbai.

Situated on the Western Express Highway, the Kala Nagar Traffic junction functions as one of the most important connections in Mumbai, especially for traffic moving from the east to the west of the city.

It poses an ever growing and demanding situation with Mumbai's economic activity witnessing its geographical shift from south of island city to the suburban center.

In Mumbai, traffic congestion, noise, pollution, poor traffic discipline, and inadequate pedestrian facilities have been some of the most pressing issues for the rapidly developing city.





Future Transport infrastructure proposals by MMRDA that would influence the design proposal, bridging the present and future



Existing land use and movement plan

The Site poses a demand to negotiate and re-invent a beau ideal for transport interactions between vehicular and pedestrian movement.

To re-inforce the east-west connectivity through this zone as an efficient multi-functionla transport interchange.

To re-invent a prototype and establish a synergy between people, transport, environment and urban interactions.



The Proposal

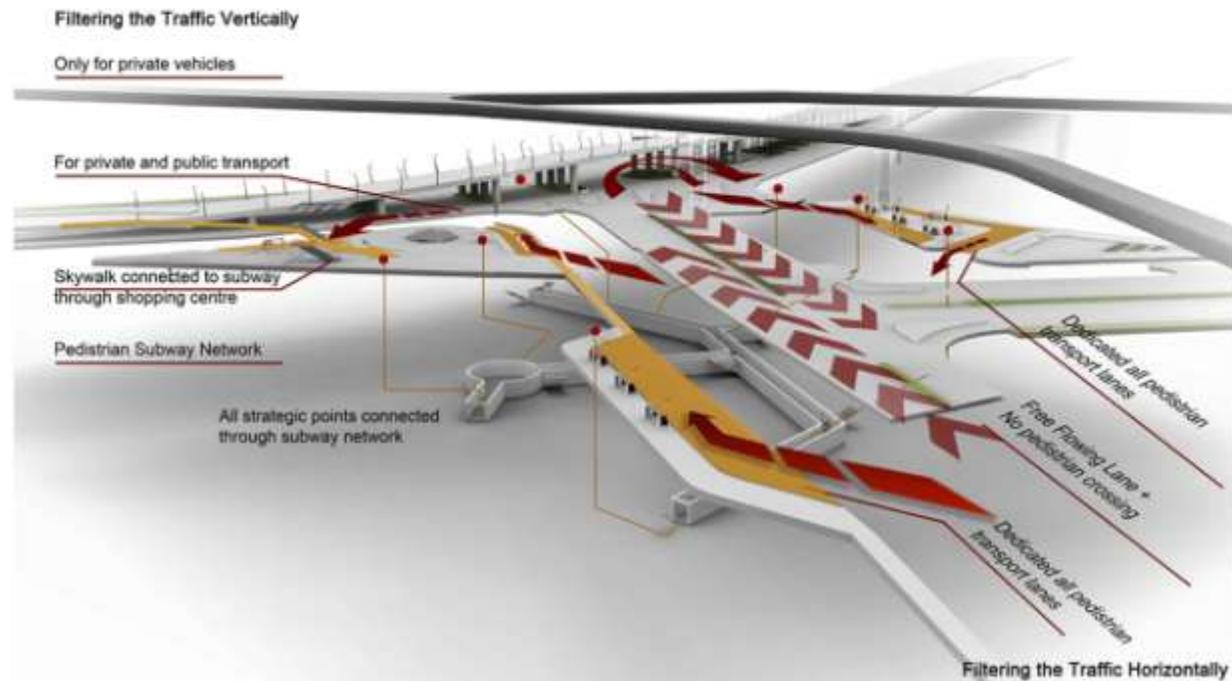


Key Objectives:

- Quick, shortened and safe pedestrian movement across the junction between transport stop overs through subway network.
- Regulate traffic flow and minimizing collision points with round about which would also direct major traffic to BKC via the curved road.
- To provide intelligent commercial spaces
- To redesign the garden space in the form of plaza to create a more efficient organization of pedestrian activities, retail spaces and public transport and future transport infrastructure proposals.
- Creating efficiently connected public transport along the respective routes itself to avoid criss-crossing at this critical junction
- To address the issue of sustainable energy, green environment and abused and degraded urban spaces such as under the flyover areas, misused footpaths, public toilets.
- Provide better commuter experience by providing for public sanitation, covered waiting areas and so on.
- proposing practical and desirable functions for under-used urban spots like under the flyover.



Restructuring The Transport Infrastructure



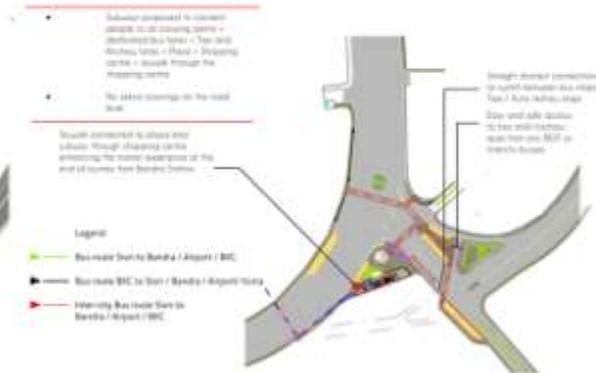
Bus Movement Plan From Airport to BKC / Siar / Bandra



Bus Movement Plan From Siar + BKC to Bandra / Airport

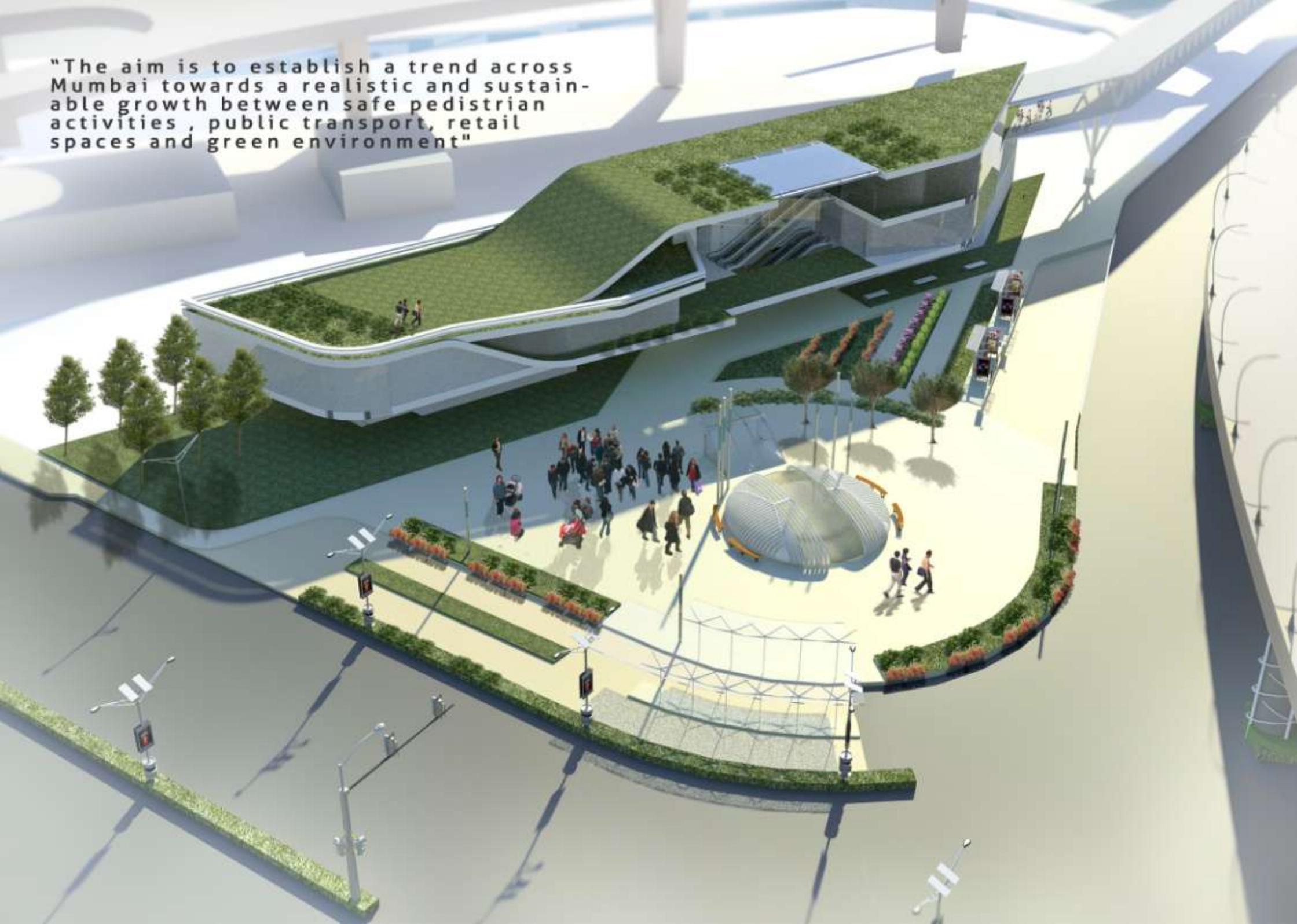


Bus Movement Plan From Bandra to Airport / BKC / Siar



Pedestrian Movement and Subway Network Plan : "Slicing the junction together"

"The aim is to establish a trend across Mumbai towards a realistic and sustainable growth between safe pedestrian activities, public transport, retail spaces and green environment"



"Connecting Skywalk to a more enhanced commuter experience"

- Connecting the existing subway to proposed plaza and subway network through commercial space.
- Giving a market shopping experience for commuters in a more elegant organization of retail spaces.



"Taking a step towards Greener Urban Fabric and Sustainable Environment"

- Introducing green buildings for a controlled energy consumption and injecting fresh green usable spaces in the concrete urban fabric.
- Treating degraded micro urban spaces like under the flyovers with landscape sculptures and green sculpture wall.



- Bus shelters made out of pre-fabricated members that can be extended or assembled to make subway entrance shelters, taxi transport shelters and many more.

