



Dependence on Railway Infrastructure Tokyo

Tokyo local residence relay on the railway infrastructure in order to travel within the city, the over loaded infrastructure system sometimes stressing on the residence.



Future City Illustration - New Urban Form

Creating an Utopian city has always been the utmost dream of every planners, urbanists and architects. The most influ-ential "City of the Future" by Harvey Wiley Corbett in 1913 has inspired many people on what should a city be with skyscrapers, sky bridges, pedestrian streets and transportation infrastructures that are connected together in many layers. This image also inspired one of the greatest architects and urbanists of all time – Le Corbusier.



Continuous Monument - Super Studio

In the late 1960, a team called Super Studie environed what would happen in the future city development. The team designed a series of concept deving called Continuous Monument. The daving was an image of the new future showing that all cities formation will be controlled and connected by a continuous grid seen as a monumental mega structure. This monument is enormously cut through the earth surface and connect cities to cities.





Hybridization Between Architecture and Infrastructure

Above case studies showing the possibilities of hybridization between architecture and infrastructure. Such proposal used to be experimental, but nowaday, it happen in different cities in the world. The utmost idea is to finding a pedes-trians owned space in the city for public use.



Tokyo Railway Infrastructure

Looking at any major cities in Tolyo, a continuous transportation infrastructure appears that is cutting through the city surface, delivering people to their destination. It looks similar to the sketches illustrated by Super Studio. However, lets not forget the damage that the Japanese people had during the 2-11 earthquakes in 2011. All the railway system shut down, the city immediately shut down.



Annual Subway Ridership



 Shinjuku Station
 2
 Shibuya Station
 3
 Ikebukuro Station

 Shinagawa Station
 10
 Takadanobaba Station
 12
 Shimbashi Station
 8 14 Tokyo Station Akihabara Station Ueno Station

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Topography Mapping

JR Yamanote Line Condition Understanding the JR Yamanote line condition can allow finding the opportunity that allow for the physical condition of the railway.



JR Yamanote Line Stations Statics

.R Yamanete line is the sillivey loop line in Todyo, Jopan is opported by East Japan Failway Company. It is the world busient analway line and also one of the most important lines in Todyo. Is traital length is 324 Silliometers. Since the JR Yamanote line is at the heart of Tokyo, it is estimated around that 3.66 million passenges ride every day on its 29 stations per day on 12 lines serving 279 stations.

Programs along JR Yamanote Line



Programs around City Centre

Tokyo's city centers are generate from the station itself, which become a major node in the urban context. The important idea is to understand how the railways could connect with these nodes together. Although the existing railways physical-by connected, operators could also connect by 35/VeC4, a pedestrian pathway, generating a series of recreational programmes. Therefore, to analysis the existing programs along the R1 Yamanote line could provide the chance of finding the opportunity to developing the new urban form

The railway services delivering victors to their designated city centers, thus the city center become the most econom-cital violable district. To analysis the color contex, programs mapping within 1 than rails distance from the station shall provides hence on rather what types of building programs are the majority in the area, then it can provides the suitable programs to be built on this location and connect with the Sky Deck.



Hamamatsucho - Shimbashi Station

Shimbashi area is a major commercial district, many workers need to access to this station everyday. The idea of proposing mix used programs such as workshop, library and theater is to provide local workers with activities during their time after works. In order to maint the vibrant and dynamic qualifies that mentioned above, Shimbashi station is one of the best locations to be selected for such an experimental proposal.



The Linear City proposal is focusing on the open space generated from the JR Yamanote line above. The use of existing space is mainly for railway transportation. Through reading the existing Tokyo context, city center is generate from the station itself, which become a major node in the urban context. The question is how to connecting these nodes together, Albhough the existing railway is physically connected, open spaces could also connect by a Sky-Deck, a pedestrians pathway, generating a series of recreational programmes. Such proposal shall create an utility areas and multi functions network. This network could provide a better public space only for pedestrians, so that the residents can experience the city in a difference perspective.



Station itself becomes the city center that attract people to access and accumulate activities. Therefore the station building should have a good and easy access for visitors to access to a 5ky-Deck. However, the cyclists should access in a far distance away from the stations, due to preventing circulation conflict between pedestrians and cyclists. From this thesis design, an example of mater layout proposal is illustrating from Shinbashi stations. A curve to the station of how the station center and Cyclist. From Shinbashi station of how the station path of the station static access prime the station static access and access points for the station static access prime station of how the station static access prime station access. Although locations and C. Cyclists access points, are away from the station static as the statine next its stall remain less than 1 Mo distance from A and D.





Shumbashi Station - Skydeck Circulation

Image above showing how the relationship between the skydeck to the station front plaza. It is important to have an easy access for visitor to be able to travel to the sky deck. Being the major open space in front of the station plaza, it provide a good circulation access to commerci to both layers.

CHINELE HEREIN





D. Bicycle User Access Point Commercial



C. Bicycle User Access Point Gathering



D. Hamamatsucho Station Sports Facilities

Skydeck Access and Activities

Access Locations

0 1

Man

Shimbashi Station Front Plaza Shimbashi station fort plaza is one of the most famous and popular plaza within Takyo district, often time-the plaza have held many types of event. Therefore is important to create an attractive and eyes catching building structure to provide a nice scenery. Moreover, being one of the open space within the Shimbashi city center, the proposal try to maintain a lower building height.

Exploded Diagram - Building Composition

 A. Building Roof
 C. Workshop Space and Theatre
 E. Sky Deck
 G. Station Support Columns
 I. Pedestrian Designated Utilities on Sky Deck

 8. Support Column
 D. Library
 F. Bicycle Fast Lane and Pedestrian Walkway
 H. Existing Railway Track and Retail Space
 J. Ground Connection



Linear City - Shimbashi Skydeck

This thesis intends to seek the opportunities for the future development of Tokyo city. As one of the most expansive living cities in the world, finding a balanced solution between economical aspect and quality of living is the most challenging question for city development. Tokyo is one of the most developed city, making big changes in the city planning is dif-ficult. The thesis research shows the background of city development in order to analysis of Tokyo city conditions. Find the potential of the railway redevelopment, so that more areas within Tokyo cudd be linked topether allowing for better quality of life and economical prosperity.



This project is taking advantage in an very expressive way of the situation by adding a new layer of activities on the ring of the Yamanote line. Therefore, this section showing how each of these layers connecting with each others. Although these layers physically separated, however, they are spatially connected.











Existing Railway Shimbashi station

Bicycle Land and Pedestrian Walkway







Station Platform - Bicycle Lane

The Building structure mainly separately in four major parts due to its functional use. These four parts of building element are visually identical, however it is still working under the same building structure. These four elements are well connect-ed even though they are separated. In order to create a well visual connection for railway platform and bicycle lane, the bicycle lane extended in between the spaces of railway platform and Sky-Deck empower the linkage from the ground level layer to the upper level.



Left Wing - Library and Bicycle Parking

Above the Station Structure, there is a circulation separating two building structures, the left wing and the right wing. The left wing consists three parts of small scaled structural building elevated from the Sky-Deck. It can open up the ground level space, creating more public space for the visitors. It also allow the separation privacy between the library space and the open space. Also, there is a bicycle parking providing to visitors for their access.





Skydeck

The Sky-Deck is a extensive public space above the JR Yamanote line railway. It allows for a unique experience for visitor experiencing Tokyo city center differently. It break through the enormous size of the infrastructure to a human activities scale. Where this is the pedestrian owned space and allow the city to create a second layer above the ground.



Right Wing - Theatre and Workshop Space

The right wing building structure is a dynamic form with fluid space. It is a big contrast to the left wing building structure but under the similar roof structure system. The functional programmes providing to the office workers for their time after work. The theater space allow for performance and conference. Meanwhile there are varieties of workshop spaces such as dance hall, multipurpose hall, computer learning center providing to the public.