

THE 6TH VIRTUAL DESIGN WORLD CUP

"Extension of the central city Melbourne"

Fishermans Bend, located between the existing Melbourne central city and Port Phillip Bay, is the largest, and one of the most significant, urban renewal areas in Australia. For the theme "Extension of the central city Melbourne", **ICE - TECH** team has an idea of designing and planning Fishermans Bend area (especially focus on Lorimer) following the topic "The Green Revolution of Lorimer".

Our goal is turning Lorimer into a green area, a flexible place with a strong connection to Melbourne City and the bay as well as a dynamic, mix of uses and activities place with high quality environment. This improvement can make not only Lorimer residents but Melburnians and visitors also love this city and consider it as one of the world's most distinct place. It is a real revolution of Lorimer that changes Lorimer to "Friendly Green" city. To make that dream come true, we follow the "3R" idea standing for:

RENEW, REFRESH, RELAXING.

RENEW



On average, more than 80,000 people move to Melbourne each year, with approximately 18,000 people working in the Fisherman's Bend. In future, this number may still increase, which puts the pressure on the traffic of this city.

Therefore, at first we **RENEW** transport network:
- Extend available tram system, build up more metro rail system (with new "Lorimer metro station"), extend old Bus routes, build a new "Bus Terminal" and replan streets to make them suitable for pedestrians and cyclists as well as minimize the number of vehicles using fuel on the streets.
- Redesign some roundabouts to improve smooth circulation.
- Provide parking lots at public transport stops, include **robotic parking solution** (Rotary parking).



REFRESH



Lorimer is an area having crowded population and high population growth, so we have to cope with two important requirements at the same time: Make transportation convenient as much as possible (**RENEW** solution), but minimize the negative impact of man on the environment. Based on these requirements, we **REFRESH** the whole Lorimer:
• Covering "green color" all over the entire area by building more "green streets" (Turner St, Hartley St) and "green spaces".
• Reducing air pollution and noise pollution by minimizing the amount of personal means of fossil fuel, encouraging the use of public transport and electric vehicles. Building car park "Sunflower Parking" supporting to charge for electric vehicles.
• Build a sewage disposal system to protect public health and prevents disease as well as pollution from sewage water contaminants.



RECREATE



As we all may know, Lorimer area is known as a "industrial city", it is used primarily for industrial purposes and short of outdoor activities. We want Lorimer to become a place where all people at any ages can live, play and enjoy good time with their family and friends. We intend to build three main buildings in Lorimer following "RELAXING" criteria:
• Sunny library: A library built in a contemporary style for all people and using solar electric for whole activities.
• Garden house: A museum exhibits the insects living in Lorimer.
• Riverside Hotel: a floating hotel on riverside Yarra



GREEN CANOPY



SUNFLOWER PARKING

Aim to construct complex garage with large parking space (426 spaces) and fresh public space for work-out, drinking, dating, etc. Each levels is filled with natural light, creating successively striking vistas of the city.



Using smart sensors camera and auto-updated LED marking system to help find space quickly and more convenience at decision point.



OUTSIDE PARKING LOT

REDUCE TIME SOLUTION

Reduce time solution to ensure smooth traffic flow



METRO ROUTE CONNECT PRECINCT

TO THE BAY

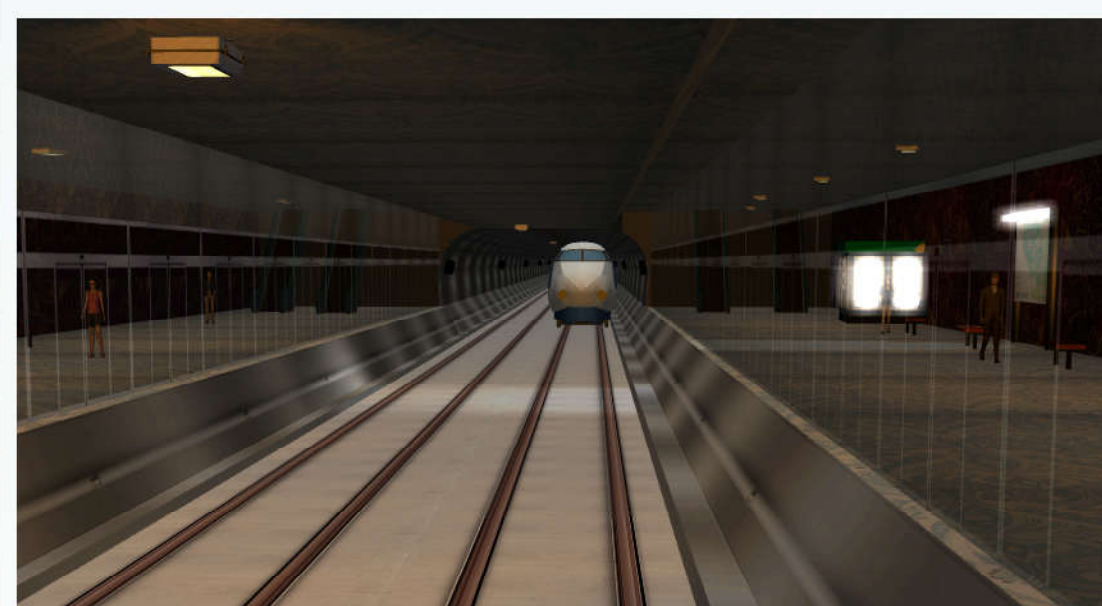
Wirraway

Sandridge

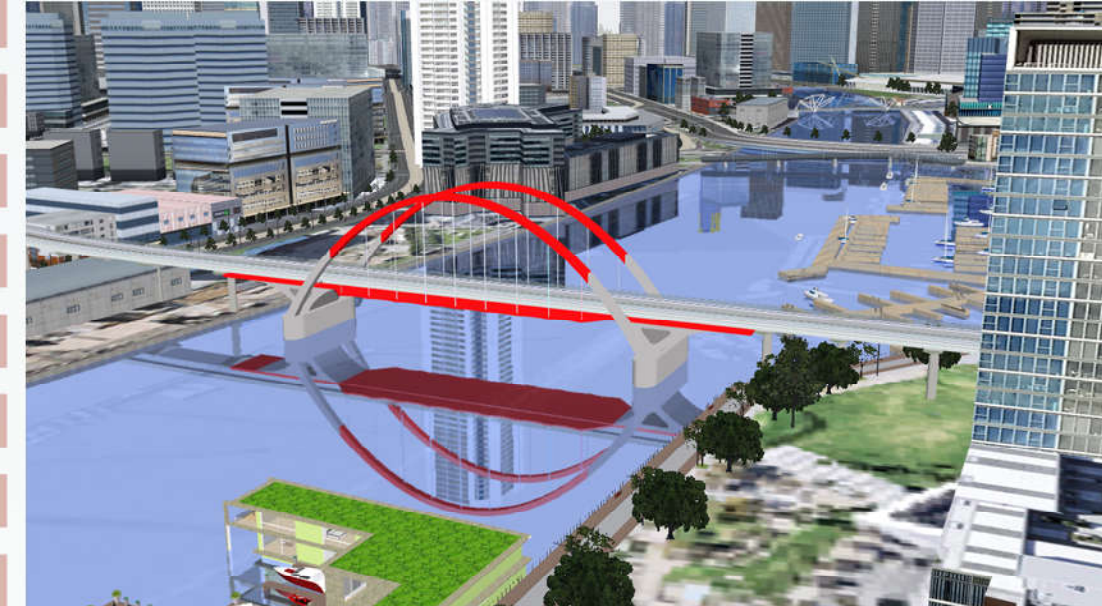
Lorimer Station

TO MELBOURNE CENTER

Three terminals are located in the center of three 3 areas which are 10-minute walking far from residential area below. They will encourage residents to walk and ride a bike rather than use vehicles using fuel.



Metro tunnel



The elevated Metro system across the Yarra River is not only a major transportation route connecting Fishermans Bend to the city center but also a modern beauty of Melbourne.



Creating an beautiful and safe pedestrian way for residents, workers and visitors.

GARDEN HOUSE

The Garden House is a museum, where people can visit and learn about plants and insects. The garden house project is designed in order to raise people's awareness about nature as well as the importance of nature.

Bus route is extended to attract more people of all age, especially students and families.



SUNNY LIBRARY



METRO STATION

Lorimer Station

