METRO TUNNEL PROJECT

EXPANDING MELBOURNE’S UNDERGROUND RAIL NETWORK

21 SEPTEMBER 2016

Daniel Cullen
Manager Engineering
Melbourne Metro Rail Authority
A GROWING CITY
Trains out of Loop

It's already at capacity

Victoria population set for 10 million by 2051 amid high immigration

JOHN MASANAUSKAS, AND SAMANTHA LANDY, Herald Sun
July 14, 2016 10:15pm
Subscriber only

POPULATION growth in inner-Melbourne is booming as new figures show Victoria is set for a population of 10 million people by 2051.

Melbourne to be Australia's biggest city by 2050, research predicts

ANDREW JEFFERSON, Herald Sun
January 4, 2016 11:07am
Subscriber only

MELBOURNE is set to become a city of mini cities as its population heads towards 8 million people by 2050, making it Australia's biggest city.

Outer ring home to Melbourne's fastest growing suburbs

SAMANTHA LANDY, Property reporter, News Corp Australia Network
April 26, 2016 3:38pm
Subscriber only

MELBOURNE'S outer ring boasts some of the nation's fastest growing suburbs, a new report shows.
FUTURE RAIL NETWORK PATRONAGE

- Population growth
- Inner city jobs
- Road congestion
- Parking costs
- Environmental impacts
METRO TUNNEL RAIL NETWORK PINCH POINTS

PINCH POINTS ARE AFFECTING RAIL NETWORK OPERABILITY

NORTH MELBOURNE TRAINS QUEUE FOR CITY LOOP

CITY LOOP APPROACHING CAPACITY

RICHMOND TRAINS QUEUE FOR CITY LOOP
PINCH POINTS ARE AFFECTING CBD TRANSPORT OPERABILITY

ACCESS TO PARKVILLE TRAMS & BUSES APPROACHING CAPACITY

ACCESS TO ST KILDA TRAMS APPROACHING CAPACITY
METRO TUNNEL CAPACITY BENEFITS
Melbourne population now at 4.4 million, expected to rise to 8 million by 2051.

$10.9 billion Metro Tunnel Fully Funded

Benefit Cost Ratio of 1.1 and 1.5 with wider economic benefits

Providing capacity for 39,000 additional passengers in each peak period.

Boardings on metro trains to double to 1.5m every weekday by 2031.
METRO TUNNEL ARDEN STATION
METRO TUNNEL PARKVILLE STATION
METRO TUNNEL CBD NORTH STATION
METRO TUNNEL CBD SOUTH STATION

INDICATIVE IMAGE ONLY
METRO TUNNEL  HIGH CAPACITY METRO TRAINS
MANAGING CONSTRUCTION
NEXT STEPS

- Business Case released
- Continue market engagement
- EES Process
- Release Expression of Interest for Major Works
- Commerce Enabling Works (e.g. Service relocation)

2017

- Decision on planning approval (late 2016/early 2017)
- Construction starts (e.g. Site preparation, shafts)

2018

- Award major construction contract
- Commence Major Works

2026

- Target completion date
Director, Systems Integration
Melbourne Metro Rail Authority (MMRA)
Melbourne, Australia

Job description
This specialist engineering role will lead MMRA's multi-workpackage Systems Integration Team (SIT). The SIT will coordinate, facilitate and coordinate the work for the three primary work packages: Murrumbeena Tunnel and Stations, PPP Rail Systems Alliance, Rail Infrastructure Alliance along with the work of other major network projects (e.g. High Capacity Metro Train, Critically Interdependent Projects) to promote, support and assist each work package to deliver highly integrated designs and deliverables that meet the requirements of the Rail Franchise's Safety Accreditation process.

Reporting to the Director - Development and Delivery, this role will form part of the project delivery leadership team. The role will oversee and manage the identification, development and integration of the technical and program interfaces deliverables across the multiple disciplines and work packages required to deliver the SIT's and external inter-dependent projects. The role will also seek, experience and expertise gained from working within complex, multi-disciplinary design and construction projects and environments.

Experience in integration and Systems Engineering and/or Systems Assurance roles for modern rail systems will be highly regarded. The ability to build and maintain strong relationships across a broad range of internal and external stakeholders and to manage and communicate project implications of complex technical issues will be fundamental for success in this role.

Contact the job poster:
Ross Walker
Senior HR Advisor - Metro
Melbourne, Australia

Industry
Transportation/Traveling ...
Government administration, and Civil Engineering

Employment type
Full-time

Experience