We are getting on with the job and building the State’s integrated transport plan, METRONET, just as we promised.

METRONET represents an exciting opportunity for construction and supply chain companies to work with the State Government on projects that will connect Perth in a more sustainable way and create thousands of new jobs.

I’ve seen firsthand the impact rail infrastructure can have on a community when the Mandurah Line was built. We are in a new phase of growth in Western Australia we head towards 3.5 million people. It is more important than ever to support this growth and better connect and move people.

The Thornlie-Cockburn Link and Yanchep Rail Extension projects will support this growth by providing an east-west rail corridor which will link six important strategic centres, and meet increased demand by extending the Joondalup Line in Perth’s north-west corridor.

Combined these two projects are expected to generate around 3,000 jobs for our State.

The success of our city will see the success of our State as we attract more business opportunities and people to WA.

The ongoing delivery of METRONET will drive job growth throughout various local industries. There are now more opportunities for local businesses that have the capability to help plan, develop and implement these projects.

My Government’s number one priority is WA jobs and delivering METRONET is a key element of our plan to boost our local economy.

Hon Mark McGowan MLA
Premier of Western Australia

Perth’s most ambitious program of rail projects since the New MetroRail project will deliver more than 75km of new passenger rail and up to 18 new stations, with the Thornlie-Cockburn Link and the Yanchep Rail Extension projects alone accounting for five new stations.

With more than 32km of new rail track between the two projects as well as new stations, the modifications of existing stations and a significant amount of principal shared pathways the projects will provide opportunities for all levels of business in the construction industry.

The tender process for both projects will begin in August 2018 with a number of differing contracts. Each project’s main works will be bundled into a single Competitive Alliance contract to access the local market and provide the best value for money for Western Australian taxpayers.

Importantly, we are supporting local businesses by creating a Capability Register, which will be shared with the main contractor once appointed. This is an opportunity for all businesses to be part of a historic project for Perth.

Hon Rita Saffioti MLA
Minister for Transport; Planning and Lands
METRONET Overview

METRONET is the Government’s vision to integrate transport and land use planning in Western Australia and provide a framework to support sustainable growth of greater metropolitan Perth over the next 50 to 100 years.

More than just a rail infrastructure program of works, METRONET planning goes beyond the station forecourts to shape and support development of communities within the surrounding walkable catchments.

The Yanchep Rail Extension and the Thornlie-Cockburn Link are two in a series of METRONET projects that will add significantly to Perth’s public transport network.

METRONET is proposed to deliver approximately 72km of new passenger rail and up to 18 new stations, which represents the single largest investment in public transport in Perth’s history.

METRONET creates an opportunity to transform Perth through an expanded rail network that will see urban intensification in more than 5000ha of land within walking distance of new stations, supporting the delivery of the State’s metropolitan growth strategy, Perth and Peel@3.5 million.

The Public Transport Authority (PTA) will be the lead agency delivering the METRONET public transport infrastructure.

Stage 1 projects:
- Forrestfield-Airport Link
- Yanchep Rail Extension
- Thornlie-Cockburn Link
- Morley-Ellenbrook Line
- Byford Rail Extension
- Karnup Station
- Midland Station relocation and Bellevue extension
- Level crossing removal on the Armadale and Midland lines
- Automatic Train Control
- Railcar procurement

The Public Transport Authority (PTA) will be the lead agency delivering the METRONET public transport infrastructure.
The project will support growth and accessibility across the southern suburbs by providing direct access to employment, education and recreation opportunities. It will also create new opportunities for integrated, liveable communities and improve access to employment in the areas surrounding the stations at Nicholson Road and Ranford Road.

The project includes:
- approximately 14.5km of railway extension to connect Thornlie and Cockburn Central stations
- approximately 3km of track duplication between Beckenham and Thornlie stations
- stations, bus interchanges and parking facilities at Nicholson Road and Ranford Road
- relocating 73km of freight lines
- significant modifications at Thornlie to convert it into a through station that accommodates six-car trains
- modified grade separations at Karel Avenue and Ranford Road
- additional platform and significant track work at Cockburn Central

The Thornlie-Cockburn Link will be a new east-west connection on Perth’s passenger rail corridor and is important in developing an efficient and sustainable metropolitan transport system. It will connect the existing Mandurah and Armadale lines and create a through service from Thornlie to Cockburn Central.
The Yanchep Rail Extension is a 14.5km extension of the Joondalup Line from Butler Station to Yanchep, with three new stations at Alkimos, Eglington and Yanchep.

The project will provide a viable alternative to car usage, reduce congestion on the existing and future road network, improve service times for public transport users, and increase mobility to strategic metropolitan centres, including Yanchep and Joondalup. Additionally, the project will act as a catalyst for higher-density development, particularly around station sites, and open up business and development opportunities, particularly around Yanchep, on the metropolitan area's northern urban fringe.

The project includes:
- approximately 14.5km of the existing Joondalup Line
- stations, bus interchanges and parking facilities at Alkimos, Eglington and Yanchep
- final alignment with rail infrastructure at grade or within a cutting (similar to the alignment between Clarkson and Butler stations)
- nine road-over-rail bridges
- 13.8km of principal shared paths
- expansion of Butler Station’s existing bus interchange
Separate environmental studies were completed for both projects in 2017 and 2018. These studies identified a site of significance to Aboriginal people within the Thornlie-Cockburn Link alignment being the Canning River crossing. The PTA has obtained a Section 18 approval for the Canning River Rail Bridge works subject to no piers being positioned in the watercourse.

The Thornlie-Cockburn Link Ranford Road Station site is located partially on top of a former landfill and the footprint intersects a number of Bush Forever Sites.

The Yanchep Rail Extension alignment passes through Bush Forever Site 289 Ningana Bushland, which is an environmentally sensitive area.

Batter stabilisation will be required along the Yanchep Rail Extension alignment, as it is substantially in cuttings and passes through dune systems.

The projects have been referred separately to the Environmental Protection Authority and are under assessment. METRONET and the PTA have adopted a collaborative approach to stakeholder consultations and are laying on an ongoing basis with the Environmental Protection Authority Services Unit and other regulatory agencies.

Environmental and Heritage Management Plans, to be prepared by the project, must comply with Construction Environmental Management Plans produced by the PTA as a requirement of the environmental approval process for both projects.

Reputational standing with stakeholders and the community is of high importance to the PTA. The management of construction issues such as noise, vibration, groundwater, dust and construction traffic will require detailed planning and robust management and monitoring measures. Delivering sustainable and water-wise outcomes is also of high importance.

A number of policies and strategies must be taken into account when tendering for the projects.

Environmental and heritage considerations

The rail routes for both projects pose a number of environmental and heritage considerations, which are being addressed through active and ongoing consultations. This will continue to be a strategic priority for both projects.

Policies and strategies

The Western Australian Industry Participation Strategy (WAIPS) aims to provide local businesses with fair and reasonable opportunity to access and win State Government supply contracts.

The WAIPS has been developed to give effect to the objectives within the Western Australian Jobs Act 2017 (WA Jobs Act), an act that aims to maximise opportunities for local businesses to supply to the State Government market. The WAIPS represents a new era in the State Government purchasing for both agencies and industry as it applies to all State agencies and all forms of procurement. WAIPS becomes fully operational on October 1, 2018.

The PTA is supporting WAIPS by providing networking opportunities at the METRONET Construction Industry Briefing in July 2018 and will be providing a capability register from registered WA businesses to the successful tenderers.

Aboriginal employment and Aboriginal business engagement are key areas of endeavour for the PTA. Prospective tenderers should note the State Government’s encouragement of Aboriginal participation.

Other relevant legislation and policies include:

- Building Local Industry (WAIPS)
- Construction Contracts Act 2004 (WA)
- Railway Safety National Law Act (WA) 2015
- Government Building Training Policy
- Building and Construction Industry Codes of Conduct
**Procurement approach**

The Yanchep Rail Extension and Thornlie-Cockburn Link will be delivered through a number of different forms of contract:

**Forward works procurement timeline**

<table>
<thead>
<tr>
<th>Milestones</th>
<th>Expected timeframe</th>
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<tbody>
<tr>
<td>RFT Stage</td>
<td></td>
</tr>
<tr>
<td>RFT release</td>
<td>Early-2019</td>
</tr>
<tr>
<td>RFT close</td>
<td>Early-2019</td>
</tr>
<tr>
<td>Negotiate</td>
<td></td>
</tr>
<tr>
<td>Negotiations begins</td>
<td>Mid-2019</td>
</tr>
<tr>
<td>Contract Award</td>
<td></td>
</tr>
<tr>
<td>Successful contract awarded</td>
<td>Mid-2019</td>
</tr>
</tbody>
</table>

**Main works procurement timeline**

<table>
<thead>
<tr>
<th>Milestones</th>
<th>Expected timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFP Phase</td>
<td></td>
</tr>
<tr>
<td>RFP release</td>
<td>August 2018</td>
</tr>
<tr>
<td>RFP closing</td>
<td>October 2018</td>
</tr>
<tr>
<td>Shortlist announced</td>
<td>Late-2018</td>
</tr>
<tr>
<td>AD commencement</td>
<td>Late-2018 / Early-2019</td>
</tr>
<tr>
<td>AD submission</td>
<td>Mid-2019</td>
</tr>
<tr>
<td>Contract award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mid-2019</td>
</tr>
</tbody>
</table>

Procurement for the forward works contracts will involve the following four phases:

- Request for Tender
- Negotiate
- Award

Procurement for the main works contract will involve the following four phases:

- Request for Proposals
- Alliance Development Stage
- Negotiate
- Award

**Forward works**

Forward works packages are expected to be delivered through Design and Construct fixed-priced contracts. The main works for both projects will be bundled and delivered through a single Design and Construct Competitive Alliance contract. Using differing forms of contracts has been adopted to provide the best value for money and opportunity for the local market.

Forward works will focus on the investigations, bulk earthworks, service diversions and site establishment. The main works contract will include the design and construction of all major rail and building works elements.

**Probit**

The PTA has engaged 2020 Global Business Consultants as Probit Auditor. Should you have any queries, you are invited to contact 2020 Global Business Consultants as follows:

Bruce Donald
Director
(08) 9485 2023
bruce@2020global.com.au
As work on the other METRONET projects continues to progress, a number of projects will be moving from planning and approvals to procurement.

Expected to be among the first of these are the Bayswater Station upgrade and the removal of the Denny Avenue Level crossing.

More information on upcoming projects will be available on the METRONET website and all tenders will be released via tenders.wa.gov.au.

Sign up for general project information and updates on the METRONET website.