

Transport Infrastructure Pipeline event

TfNSW Infrastructure Pipeline Event October 2020 presentation

Peter Regan

Deputy Secretary, Infrastructure and Place
Transport for NSW

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Continued strong investment over next 4 years

155+

Projects

25+ Projects

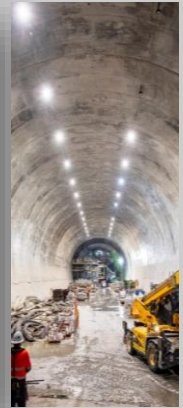
Valued at \$500 million +

78%

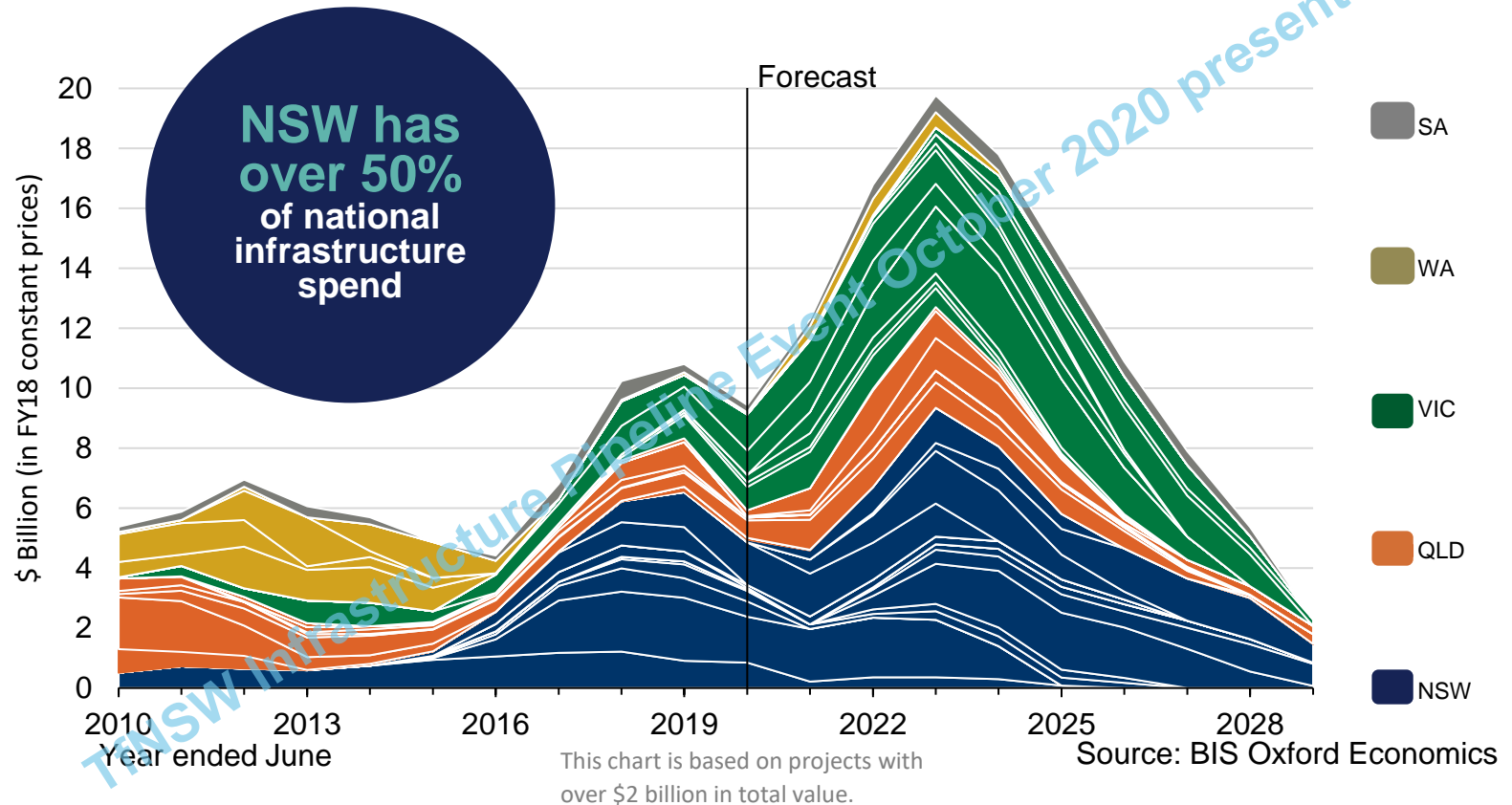
NSW infrastructure
budget dedicated
to Transport
infrastructure

47

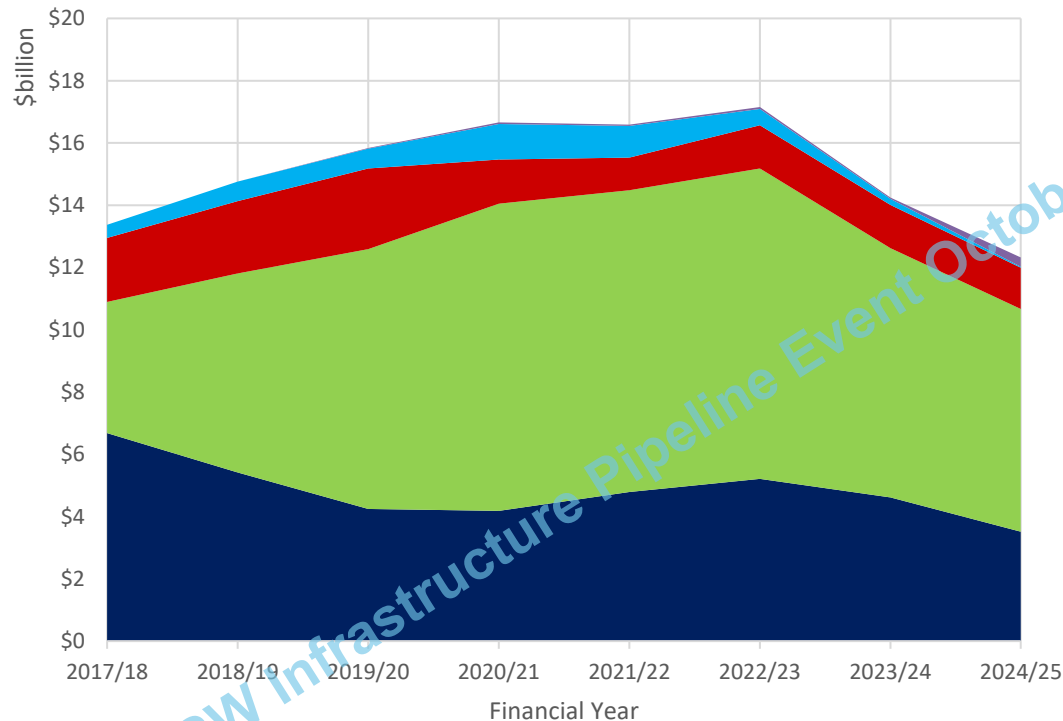
Regional Projects



Mega projects over \$2 billion fuelling Australia's Transport infrastructure wave



The NSW transport major projects forecast spend continues to lift

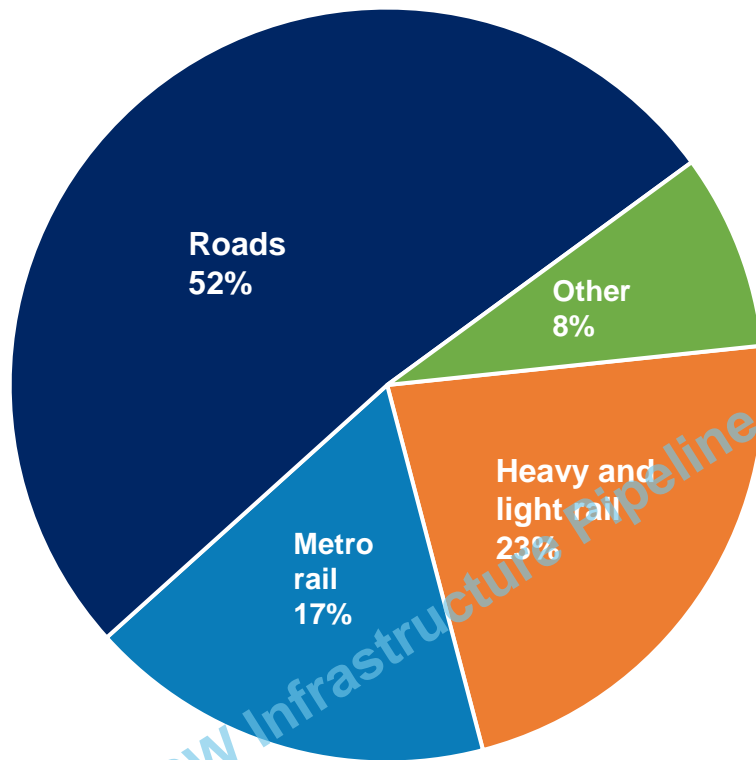


Over \$4
billion more
in next three
years

- Greater Sydney : Placemaking
- Regional and Outer Metropolitan : Rail
- Regional and Outer Metropolitan : Roads
- Greater Sydney : Rail
- Greater Sydney : Roads

Note: data includes projects with scope, funding and/or timing to be confirmed and is subject to change"

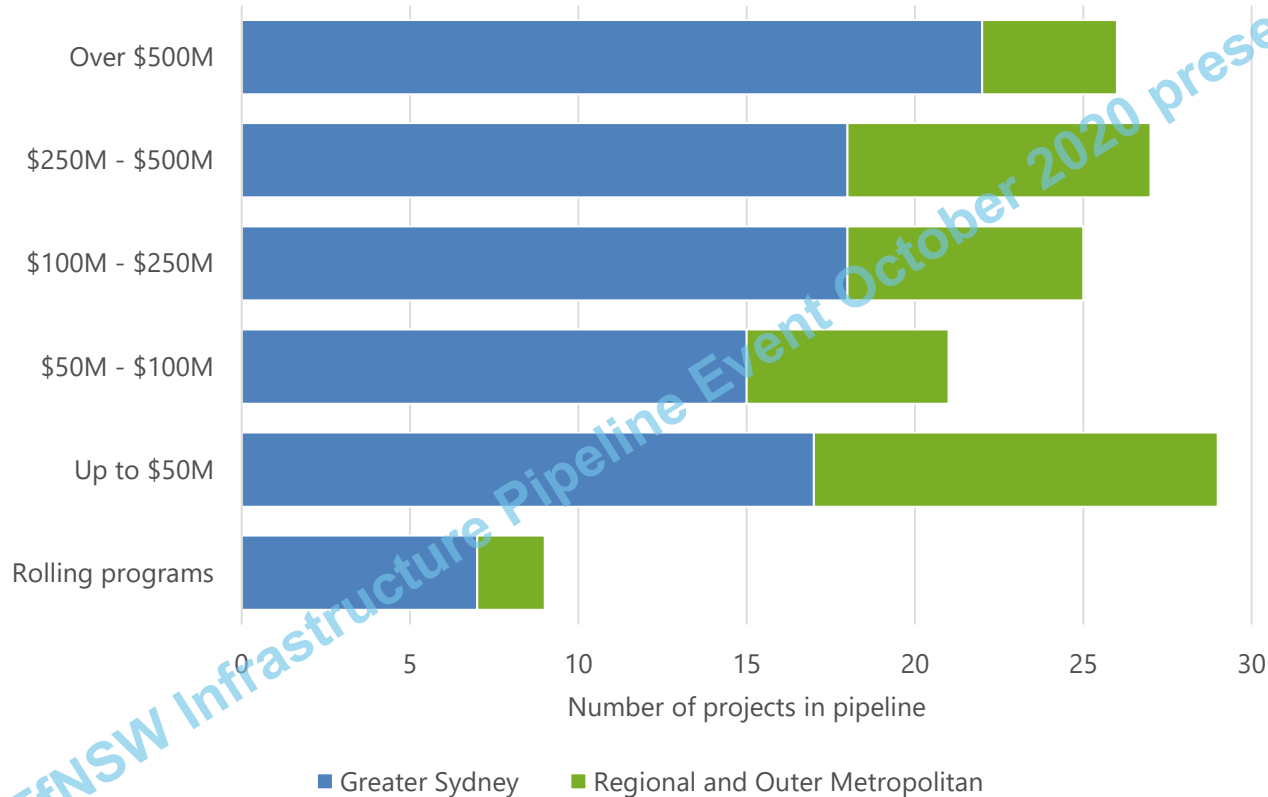
The NSW transport pipeline brings projects from road, rail and Sydney Metro together



Other includes place making, ferry wharves, active transport and technology projects.

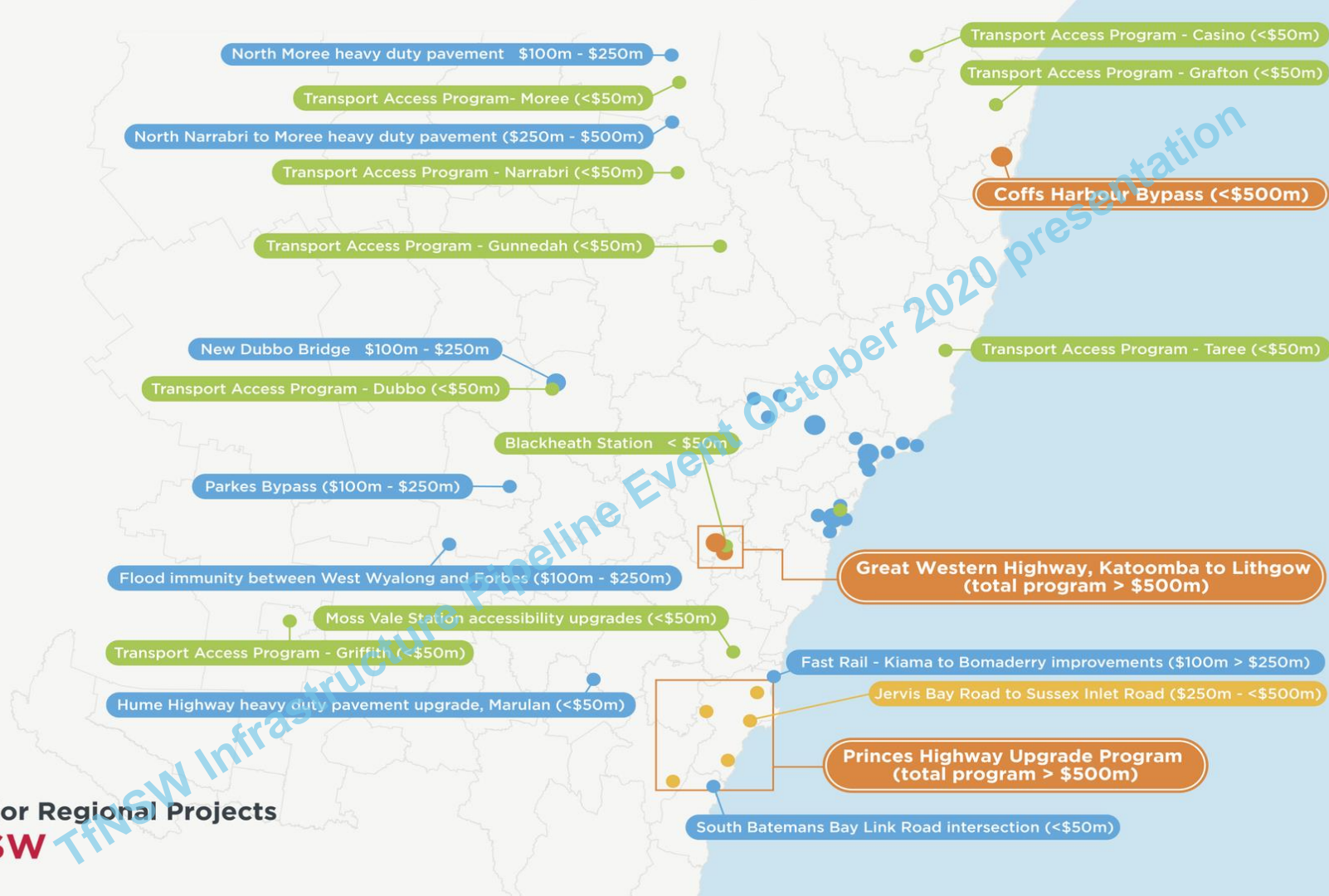


Investment remains strong across Sydney and regional NSW



Major Regional Projects

NSW



\$1 billion+ Major projects and contract packages coming to market

Project / Works Package	Calendar 2020				Calendar 2021				Calendar 2022				Calendar 2023				Calendar 2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
M6 Stage 1				▲	★															
Sydney Metro West - Central Tunnelling		■			▲	★														
Warringah Freeway Upgrade			■		▲	★														
Sydney Metro - Western Sydney Airport - Station Boxes and Tunnelling Package			■			▲		★												
Sydney Metro West - Western Tunnelling		■					▲	★												
M12 Motorway*						■		▲	★											
Western Harbour Tunnel*					■			▲		★										
Coffs Harbour Bypass*						■			▲	★										
Sydney Metro West - Eastern Tunnelling						■				▲		★								
Sydney Metro - Western Sydney Airport - Stations, Systems, Trains, Operations & Maintenance				■			▲					★								
Beaches Link								■			▲		★							
Sydney Metro West - Stations Package (West)								■				▲		★						
Sydney Metro West - Line Wide Systems								■								▲			★	
Sydney Metro West - Trains, Signalling, Maintenance and Operations								■								▲			★	

* Contract package to be determined.



EOI



RFT bids due date



Contract award

The information provided is subject to change (including staging, funding, acquisitions, planning approvals, rail possessions and procurement method).

Early works packages likely to occur before main construction works.

Together we have continued to deliver

It's been challenging...but together we are successfully delivering the largest transport infrastructure investment in the state's history.

Thank you
for keeping
NSW
moving

M8

Open to traffic

Light
Rail

Open from
Circular Quay
to Kingsford

Sydney
Metro

2 tunnels under
Sydney
Harbour
complete

Pacific
Highway

131kms of
155kms
upgrade now
open to traffic

Silver City
Highway

Sealing
completed

Northern
Beaches

Hospital Road
open to traffic

Golden
Highway

Upgrades
complete

M1

Pacific
Motorway
upgrade open

Scone
Bypass

Open to traffic

Tabulam
Bridge

Open

Gunnedah
Bridge

Open

Barrington
Bridge

Open

Grafton
Bridge

Open

North
Connex

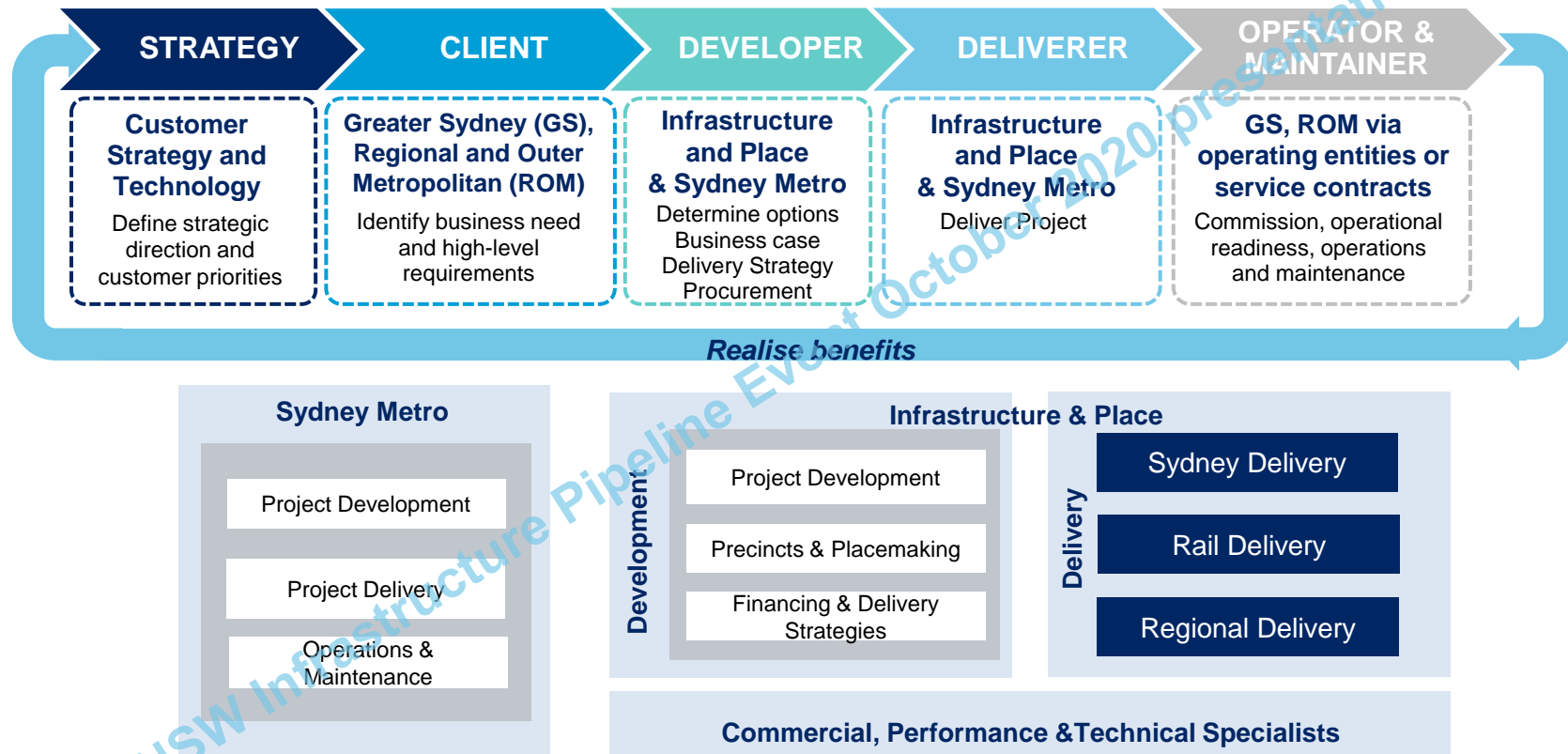
Opening Soon

Camilla Drover

Head of Commercial, Performance and Strategy
Transport for NSW

TfNSW Infrastructure Pipeline Event - October 2020 presentation

Operating model for projects



More than \$3 billion in contracts awarded to June 2020

Contract Form	Awarded Value	Description	Contractor	Contract Awarded (FY)
Public-Private Partnership	\$1,567 M	Sydney Metro City & Southwest - Trains, Signaling, Operation & Maintenance, OTS2 Project Deed	OpCo2 Parties	Q3 19/20
Integrated Station Development	\$452 M	Sydney Metro City & Southwest - Pitt Street Station	CPB Contractors Pty Limited	Q1 19/20
Integrated Station Development	\$315 M	Sydney Metro City & Southwest - Waterloo Station	Mirvac & John Holland Pty Ltd	Q2 19/20
Incentivised Delivery Agreement	\$261 M	More Trains More Services 2 - South	Laing O'Rourke Australia Construction Pty Limited and Kellogg Brown & Root Pty Ltd	Q1 19/20
Incentivised Delivery Agreement	\$258 M	More Trains More Services 2 - North	Next Rail (John Holland Pty Ltd and Jacobs Group (Australia) Pty Ltd)	Q2 19/20
Design & Construct	\$199 M	Nowra Bridge project - Princes Highway Upgrade	Fulton Hogan Construction Pty Ltd	Q3 19/20
Construct Only	\$76 M	Wells Crossing to Glenugie - Section 2A - Northbound - Main Civil Works	Lendlease Engineering Pty Ltd	Q3 19/20
Design & Construct	\$45 M	Leppington Multi Storey Car Park	A W Edwards Pty Ltd	Q4 19/20
Alliance	\$34 M	2018TT New Intercity Fleet AC Feeders Upgrade	Novo Rail	Q1 19/20
Construct Only	\$20 M	Great Western Highway (Church and Parkes Street) Project	Ward Civil & Environmental Engineering Pty Ltd	Q2 19/20
Design & Construct	\$16 M	Station Upgrades D&C Framework Package 3 – Como Station	Degnan Constructions Pty Ltd	Q4 19/20
Design & Construct	\$14 M	Station Upgrades D&C Framework Package – Beecroft Station	Gartner Rose Pty Ltd	Q1 19/20
Construct Only	\$14 M	Repainting of Martin Bridge	EPTEC SERVICES PTY LTD	Q4 19/20
Construct Only	\$13 M	Stage 4 Echuca-Moama Bridge - Moama Intersections	Excell Gray Bruni Pty Ltd	Q4 19/20
Construct Only	\$13 M	Enabling Works - Waterfall	Abergeldie Contractors Pty Limited	Q2 19/20
Design & Construct	\$12 M	Station Upgrades D&C Framework Package – Niagara Park	Gartner Rose Pty Ltd	Q4 19/20
Design & Construct	\$11 M	Station Upgrades D&C Framework Package – Ourimbah Station	Gartner Rose Pty Ltd	Q4 19/20
Construct Only	\$10 M	Rankin Park to Jesmond Shared Path Bridge Construction	Daracon Contractors Pty Ltd	Q4 19/20

Skills and training

New mandatory requirements for skills, training and diversity in all NSW Government Infrastructure Projects valued at more than \$100million effective from 1 July 2020.



20% of the total project workforce to be made up of 'learning workers'



20% of all trades positions on a project made up of apprentices



apply the Aboriginal Participation in Construction Policy



doubling the number of women in trade related work



8% of the total project workforce is aged less than 25 years



reporting the employment and training outcomes for people from the local region (local region to be defined in the contract).

Safety is always our priority

- We remain committed to partnering with you on safety
- Our Project SafeR initiative is expanding across Transport
- Providing safety data is now a reporting requirement as part of G22 (edition 6) update.



Together we can achieve more



- ✓ Resourced and positioned to better support our relationship with industry
- ✓ Harmonisation of contracts and related documents
- ✓ More consistency in financial assessments and contract performance assessments
- ✓ New technical services registration scheme for roads contractors
- ✓ Continuing our focus on early engagement
- ✓ Transparent and more frequent engagement on the pipeline
- ✓ More opportunities for feedback and collaboration.

Transport industry engagement portal

- Ease of access for up to date information
- Single source of information
- Calendar of industry events
- Access to in depth project information
- Feedback platform.

Transport infrastructure industry portal

This portal is industry's gateway to Transport infrastructure project, pipeline and industry engagement information.

You will have access to events, project focus sessions, the Transport Infrastructure Pipeline and engagement opportunities.

We welcome your feedback on the portal and questions on the pipeline and our engagement activities.



Project pipeline

Explore the interactive Infrastructure Pipeline 2024 table, filter by



Project briefings

Watch 20-minute presentations from the project directors of



Engagement strategy

Our revised approach towards engagement



Provide feedback

Transport for NSW invites industry to supply their feedback and request





Sydney Metro

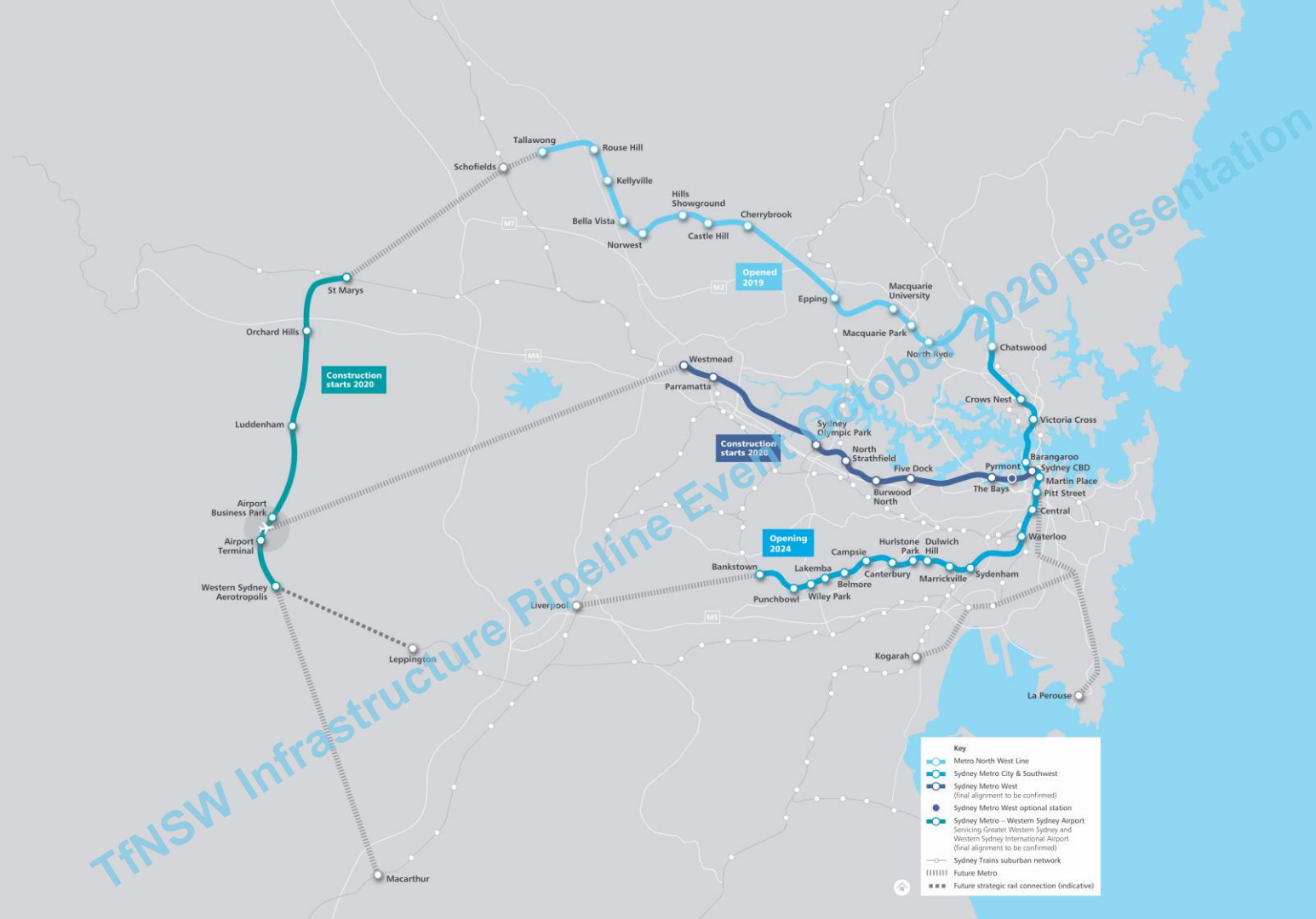
21 October 2020



Sydney Metro overview and update

Jon Lamonte

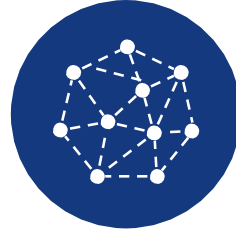
Chief Executive, Sydney Metro



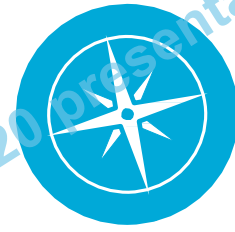
Sydney Metro values



SAFETY & WELLBEING



COLLABORATION



INTEGRITY



INNOVATION



EXCELLENCE



ACHIEVEMENT

My commitment to health and safety today, sets the future for a safe tomorrow.

Meaningful. Mindful. Measurable.

Health and safety is up to me.

Metro North West Line

Operations update



21.7

Million patronage



127,123

Services delivered

Overall service performance for 2019-20

- Services delivered: 99%
- Service frequency within 1 minute: 98.5%
- Journey time below 37 minutes: 94%

Metro North West Line

Lessons learnt

- Thoughtful design drives excellence in customer satisfaction and systems performance.
- Metro is more than a railway, it reconnects suburbs and re-designs our places.
- Operational readiness is a critical activity.
- Interfaces are areas of focus at all levels.
- Successful operations is all about continuous improvement.
- Collaborative relationships are critical.



Bella Vista Station, Metro North West Line

Metro – Tunnelling

Lessons learnt

- Inclusion of the invert within the tunnelling package.
- Potential for cast-in fixtures for follow-on contractors to reduce drilling.
- Standardised tunnelling technical specification.
- Rationalisation of station box configurations and sizes.



Tunnel Boring Machine Wendy breakthrough at Blues Point on Sydney Metro City & Southwest

City & Southwest

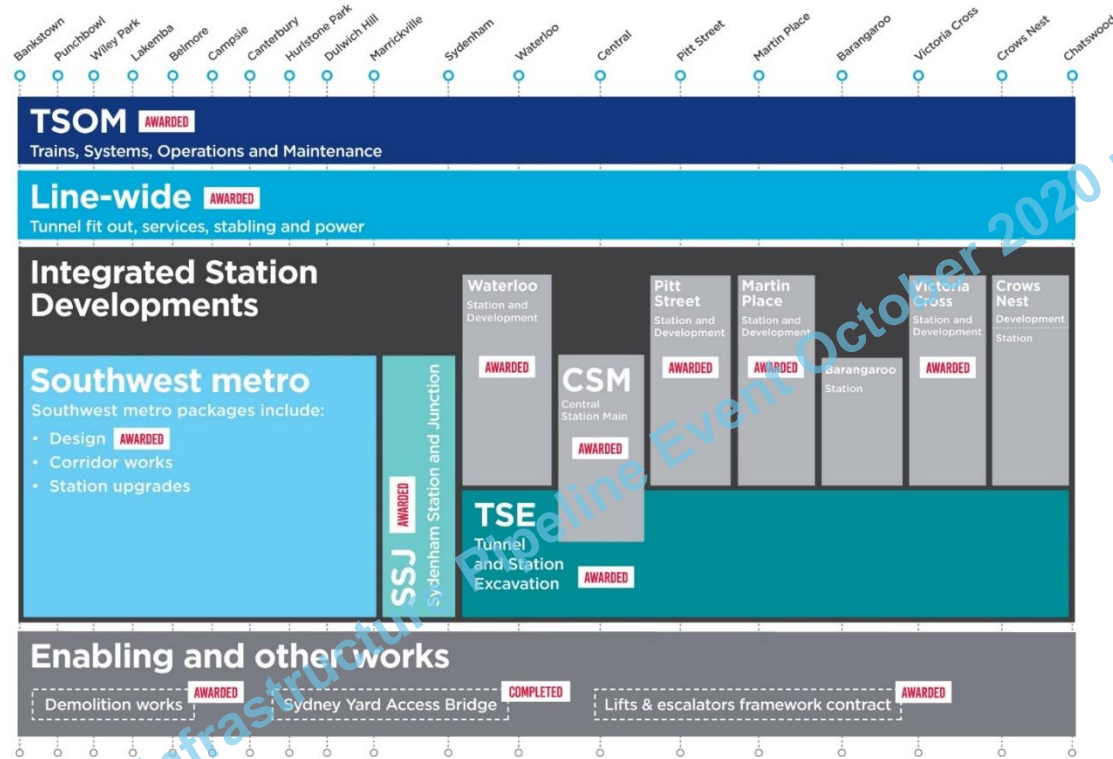
Achievements and progress

- ✓ Tunnelling complete: Tunnel and Station Excavation (TSE) handed over first sections of tunnel to Systems Connect.
- ✓ Line-wide tunnel fit out underway with over 50km of rail welded by Systems Connect.
- ✓ Northern Concourse canopy installation underway, Central Walk excavation underway, metro box excavation more than 50% complete at Central Station.
- ✓ Martin Place Integrated Station Development (ISD) bulk excavation complete at North site.
- ✓ Pitt Street ISD public exhibition of Environmental Impact Statement (EIS) and Stage 2 State Significant Development Application (SSDA).
- ✓ Waterloo ISD early community engagement for Stage 2 SSDA and start of tunnel fitout activities.
- ✓ Victoria Cross ISD approval of Stage 2 SSDA.



'Hockey sticks' are lifted into place on the new roof over the Northern Concourse at Central Station

City & Southwest



Place-making

Sydney Metro will help deliver housing and employment growth, creating new and diverse opportunities to support changing communities



An artist's impression of the southern entrance to the future metro station at Martin Place, being delivered as part of Sydney Metro City & Southwest

Engineering Design Solutions

Integration between Sydney Metro and Mott MacDonald

Vision

- Provide industry-leading design and engineering work that supports the delivery of a world-class metro, engages our people and enables successful partnerships with local and global businesses.

Work packages

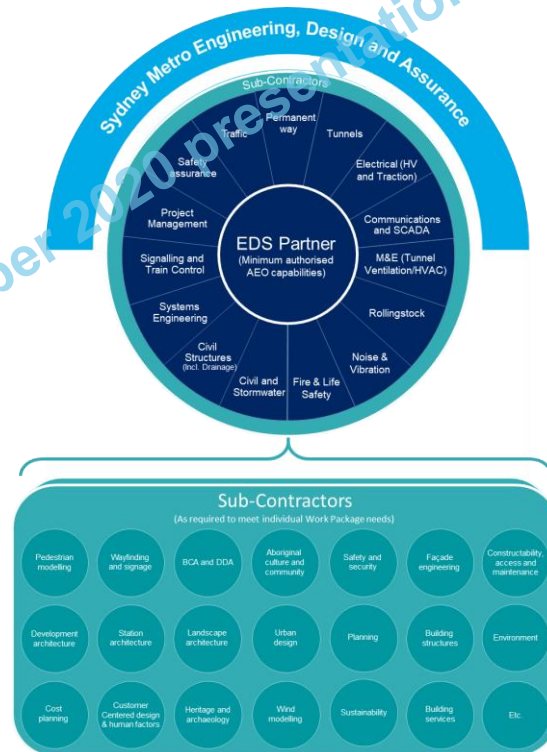
- Work in the Engineering Design Solutions (EDS) space will be delivered through the Partnership in the form of Work Packages.

Partner and Sub-Contractor scope

- The EDS scope will be to provide design, engineering, assurance, design management and coordination.

Request further details via:

- engineeringdesignsolutions@mottmac.com



Shadow Operator

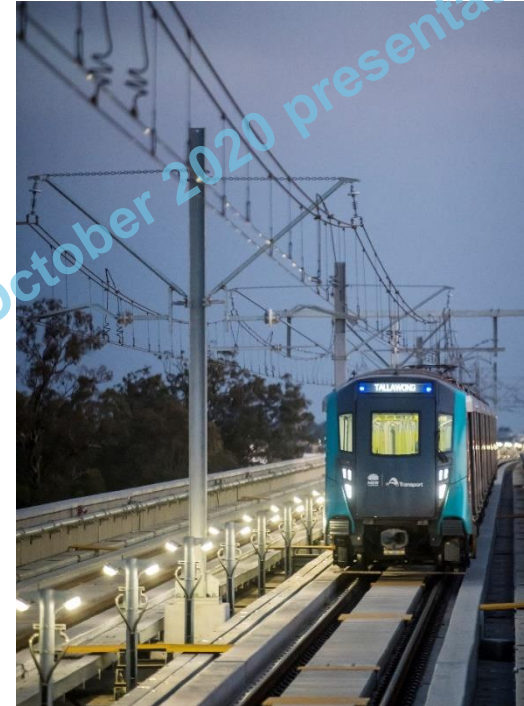
Ricardo Rail Australia, supported by Seoul Metro

Vision

- Drive a customer focused, operable and maintainable design at the lowest whole of life cost.

Role

- Provide operations and maintenance resources, specialist advice and international metro expertise during design, procurement and delivery.
- Fully integrated into the Operations, Customer & Place Making team.



Metro North West Line