

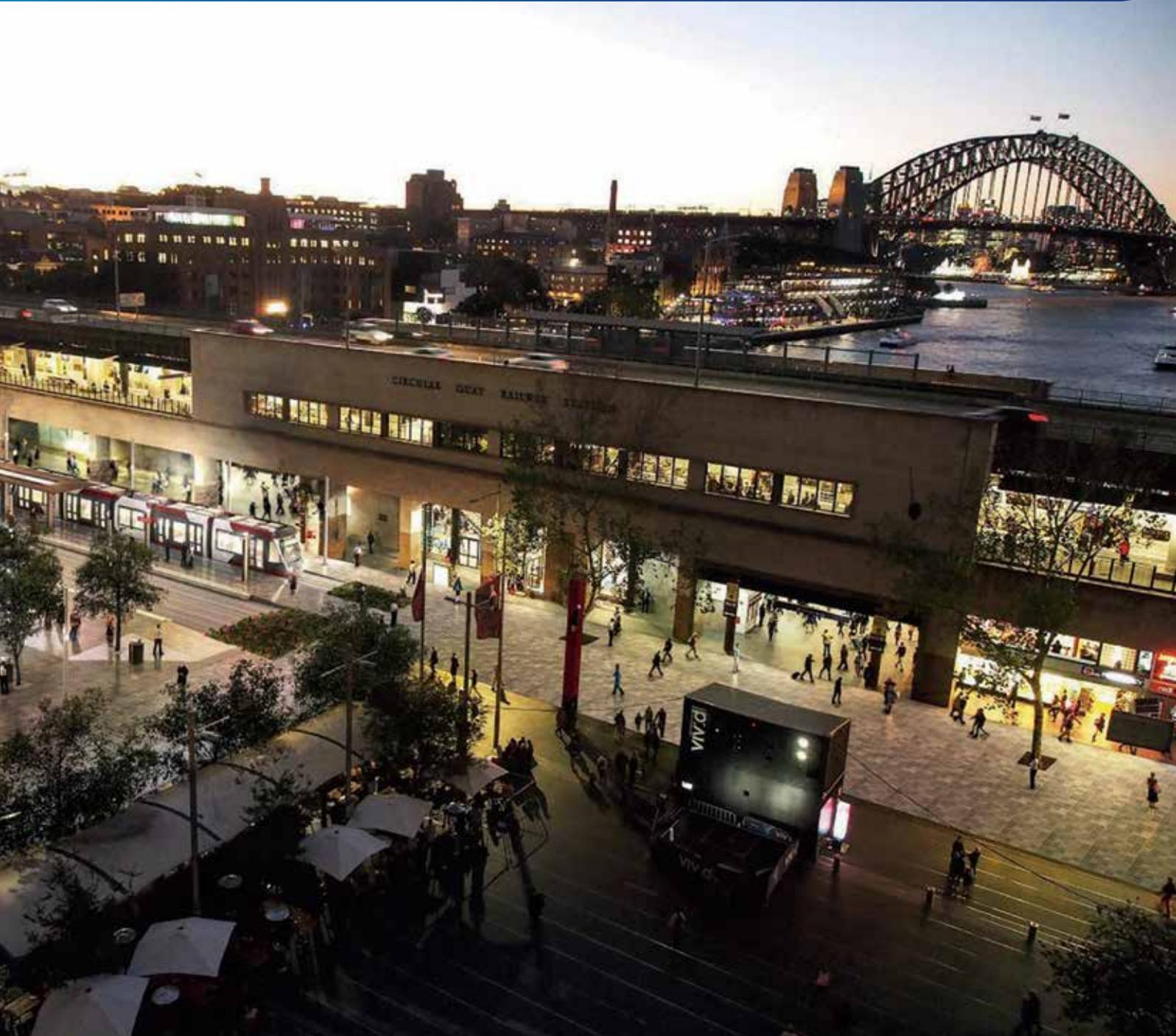


Transport  
for NSW



# Infrastructure and Construction

## Pipeline of Projects



# Message from the Minister

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## **Delivering infrastructure, supporting growth, leveraging technology, creating communities**

NSW is experiencing the largest transport infrastructure program in the state's history, which is delivering more efficient services and new infrastructure to accommodate population growth.

The total infrastructure investment supported by the State is over \$72 billion to 2020-21, with \$41.4 billion of this going towards transport and roads.

The work we are doing now on major projects- including road and rail infrastructure projects such as WestConnex, NorthConnex; Sydney Metro; Sydney CBD, Newcastle and Parramatta Light Rail; Pacific and Newell Hwy upgrades- will deliver city and region shaping benefits for decades to come.

These projects are being delivered with the support of a vibrant and prosperous industry.

We look forward to working in partnership with industry to deliver world class infrastructure, enabling new services for future generations to ensure that NSW remains a great place to live, work and visit.

**The Hon. Andrew Constance MP**

Minister for Transport and Infrastructure

# Our business

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**TfNSW** is committed to delivering better transport for the future of NSW. We're delivering the largest transport infrastructure program Australia has seen - \$41.4 billion of investment over the next four years for game changing projects.

We're embracing the latest technology and ways of doing things to deliver improved outcomes across infrastructure, freight, fleet and technology.

We are working with industry and the community to better respond to change; create a world-class integrated transport system while improving the customer experience on our networks across the state.

## Infrastructure and Services

The Infrastructure and Services (I&S) Division within TfNSW plays a vital role in planning, designing and delivering services that keep NSW moving safely.

From service and operational planning to program design and delivery, and the end stage of asset management and maintenance, we work collaboratively to ensure we deliver a broad range of infrastructure and services which our customers value.

In 2017-18 we will move deeper into the delivery of a number of high profile public transport infrastructure projects including: light rail projects in Sydney, Newcastle and Parramatta; the Northern Beaches Bus-Line; new fleet for NSW TrainLink, Sydney Trains and Sydney Harbour ferries. Delivering cutting edge technology solutions to underpin future transport modes and services is a key focus for us, including meeting the challenges of automated vehicles, automatic signalling, flexible and on-demand transport.

The challenge for us is to deliver better public transport services, at a fast pace to support vibrant growth in cities, and improved links between Sydney and regional NSW.

## Sydney Trains

Sydney Trains provides train services throughout the Sydney CBD and metropolitan area. Sydney Trains deliver capital works and maintains and operates a network across 961km of electrified track and signals, 178 stations, 2,191 electric and diesel cars to deliver 1 million customer journeys per weekday.

Rail is the backbone of public transport in Sydney. We have an extensive construction and maintenance program to renew, upgrade and maintain our assets and we work closely with TfNSW and our NSW TrainLink colleagues to provide improved services to customers and expand the capacity of our network to support growth.

## NSW TrainLink

NSW TrainLink provides intercity, regional and interstate rail and coach services for customers travelling longer distances. Each year our customers take more than 35 million journeys across a 5,892 kilometre network.

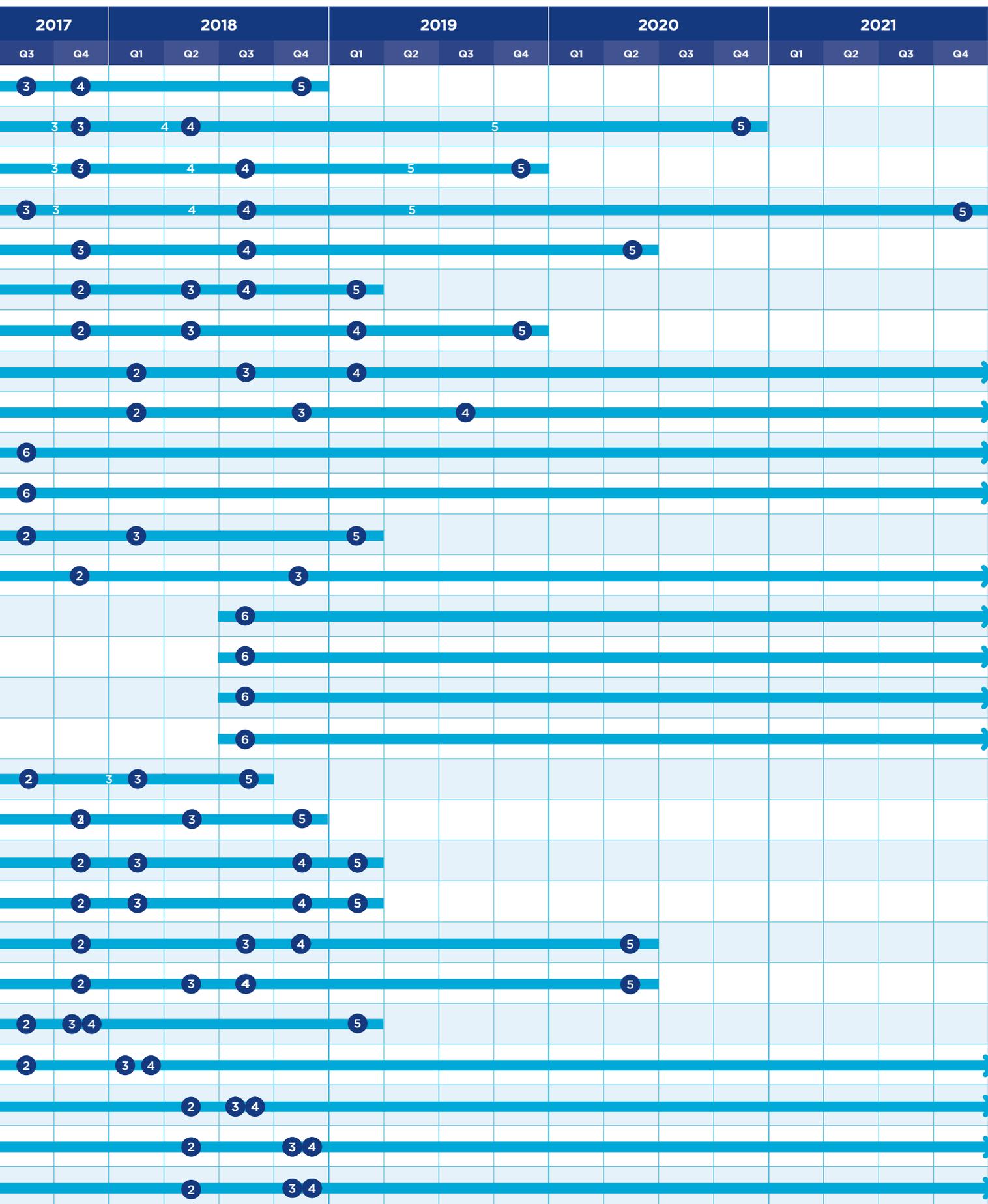
As part of the Transport cluster, we work closely with our colleagues in TfNSW and Sydney Trains to provide safe, clean, comfortable and reliable services. Contract and procurement management plays a vital role in ensuring the success of our business through selecting and managing the performance of our suppliers, particularly those that deliver customer facing services and support our regional delivery capability. We have a collaborative working relationship with suppliers and a program of works designed to deliver benefits to both parties.

# Infrastructure and Construction Pipeline

Program Type	Project Name	Indicative Total Cost
New Intercity Fleet (NIF)	NIF New Intercity Fleet - Commissioning & Stabling	\$\$
New Intercity Fleet (NIF)	NIF New Intercity Fleet - Stations & Signalling	\$\$\$
New Intercity Fleet (NIF)	NIF New Intercity Fleet - Maintenance Facility	\$\$\$\$
New Intercity Fleet (NIF)	NIF Power Upgrades	\$\$\$\$
New Intercity Fleet (NIF)	NIF Route Clearance	\$\$\$
Parramatta Light Rail (PLR)	Early Works	TBC
Parramatta Light Rail (PLR)	Enabling Works	TBC
Parramatta Light Rail (PLR)	SOM Package Works	TBC
Parramatta Light Rail (PLR)	Infrastructure Package Works	TBC
Metro Bus & Ferry Planning & Development	Bus Priority Infrastructure Program	\$\$\$\$
Metro Bus & Ferry Planning & Development	Growth Services Program	\$\$\$\$
Metro Bus & Ferry Planning & Development	Parramatta River - new ferries and services	\$\$
Regional Rail*	Regional Rail Project	TBC
Transport Access Program (TAP3)*	Ferry Wharves	\$\$\$\$\$
Transport Access Program (TAP3)*	Regional and Rural Stations	
Transport Access Program (TAP3)*	Sydney Trains Stations	
Transport Access Program (TAP3)*	Intercity Stations	
Service Delivery and Asset Management	STA Contract 6 Franchise	TBC
Service Delivery and Asset Management	Electric Bus Trial EOI	TBC
Intelligent Congestion Management Program*	Core Intelligent Transport System	\$\$
Intelligent Congestion Management Program*	Enhanced Functionality	\$
Intelligent Congestion Management Program*	Business Intelligence	\$
Intelligent Congestion Management Program*	Research Development and Innovation	\$
Automated Systems*	Transaction Manager	\$
Automated Systems*	Technical Integrator	\$\$
Automated Systems*	Business Integrator	\$\$
Automated Systems*	Trackside and ETCS works (2 packages)	\$\$\$\$
Automated Systems*	Traffic Management System works	\$\$\$

## Indicative Total Cost

\$: <\$10m   
 \$\$: \$10m-\$50m   
 \$\$\$: \$50m - \$100m   
 \$\$\$\$: \$100m - \$500m   
 \$\$\$\$: \$500m - \$1bn   
 \$\$\$\$: >\$1bn   
 \*Subject to Final Business Case



Details subject to change

**Indicative Phase**

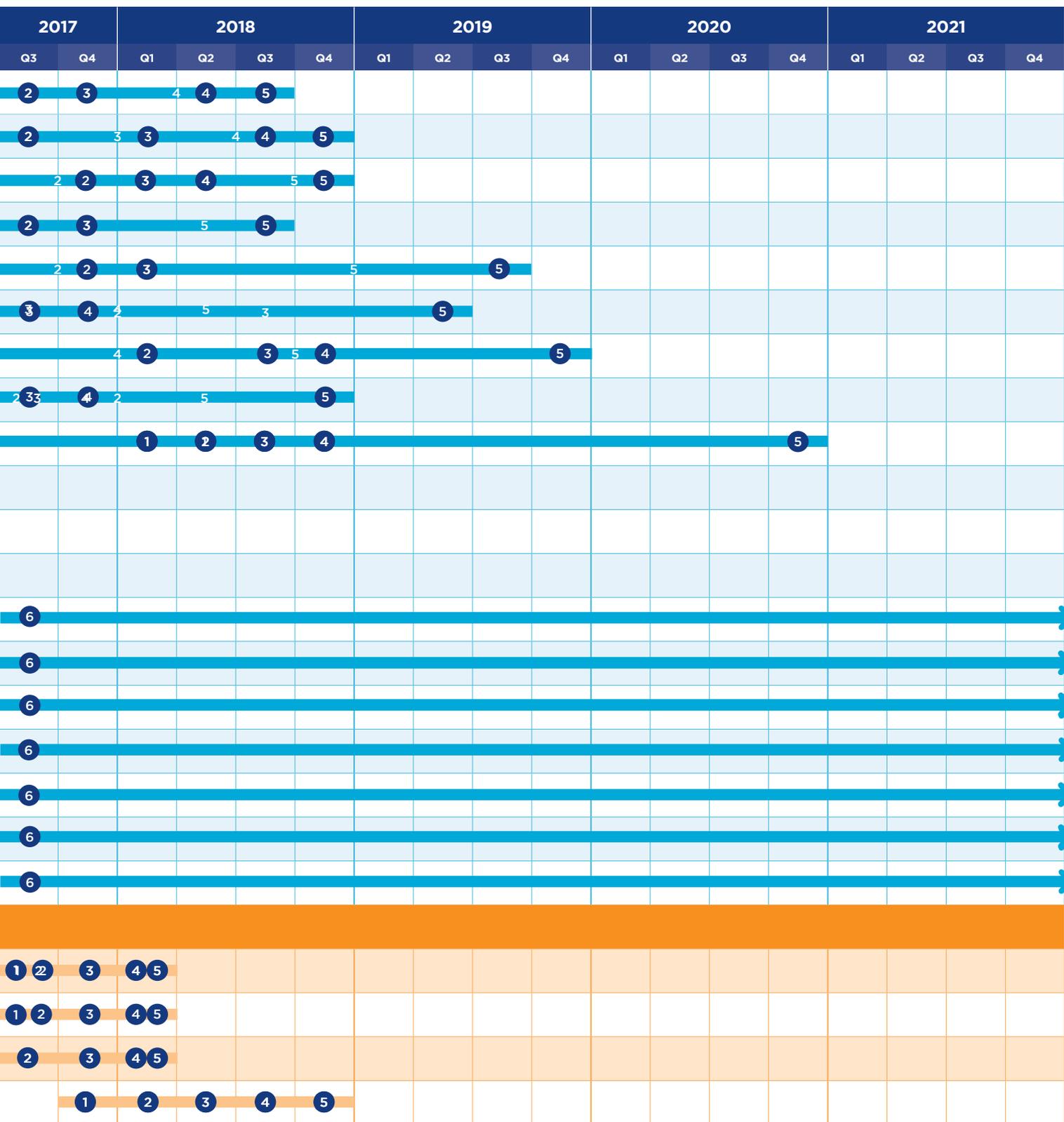
- 1 Detailed Design
- 2 Invite Tender
- 3 Contract Award
- 4 Construction
- 5 Complete
- 6 Rolling Program of Works

# Infrastructure and Construction Pipeline

Program Type	Project Name	Indicative Total Cost
Automatic Train Protection	Trackside areas 4 & 5	\$\$\$
Automatic Train Protection	Trackside areas 6, 7 & 8	\$\$
Automatic Train Protection	Trackside areas 1 & 9	\$\$\$
Automatic Train Protection	M sets	\$\$
Automatic Train Protection	C & K sets	\$\$
More Trains, More Services Program	Rail Services Power Upgrades (Feeders, Substations and OHW)	\$\$\$\$
More Trains, More Services Program	Sydney Growth Trains Power Upgrades	\$\$
More Trains, More Services Program	Stations Capacity Upgrades (6 stations)	\$\$
Active Transport	Sutherland to Cronulla Active Transport Link (SCATL)	\$\$
In development, unfunded at ideation stage	Redfern Station Renewal*	TBD
In development, unfunded at ideation stage	Central Station Renewal*	TBD
In development, unfunded at ideation stage	Circular Quay Renewal*	TBD
In development, unfunded at ideation stage	Medium Term (3 to 10 years) Rail Capacity Upgrades	TBD
In development, unfunded at ideation stage	T1 Line Capacity Upgrade	TBD
in development, unfunded at ideation stage	T4 Line Capacity Upgrade	TBD
In development, unfunded at ideation stage	T8 Line Capacity Upgrade	TBD
In development, unfunded at ideation stage	Sydney Yard Capacity Upgrade	TBD
In development, unfunded at ideation stage	Fleet Stabling Maintenance Enablers	TBD
In development, unfunded at ideation stage	Transport asset commercial development opportunities	TBD
<b>Sydney Trains Pipeline FY 17 18 opex and capex budget</b>		
Station Improvements	Station Refresh Package 5 (30 Stations)	TBC
Station Improvements	Ticket office refurbishment works and repurposing	\$
Station Improvements	Station improvement works, platform reconstruction; resurfacing	\$\$
Station Improvements	Car Parking and repurposing station buildings	TBC

## Indicative Total Cost

\$: <\$10m    \$\$: \$10m-\$50m    \$\$\$: \$50m - \$100m    \$\$\$\$: \$100m - \$500m    \$\$\$\$: \$500m - \$1bn    \$\$\$\$: >\$1bn    \*Subject to Final Business Case



Details subject to change

**Indicative Phase**

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# Infrastructure and Construction Pipeline

Program Type	Project Name	Indicative Total Cost
Station Improvements	Bike Sheds	TBC
Station Improvements	Uplift of Retail Spaces for Tier 1 Stations	TBC
Station Improvements	Digital Advertising	TBC
Fleet Maintenance Centres	Improvement works including upgrades to maintenance centres railpads and track slabs.	\$\$
Fleet Maintenance Centres	Maintenance centre roofing and associated works	\$
Fleet Maintenance Centres	Depots Signals & Control Systems	\$
Fleet Maintenance Centres	Various maintenance centre repairs, maintenance & construction works	\$\$
Rail infrastructure, track and rail corridor	Central Flyovers - Painting, refurbishment works	\$
Rail infrastructure, track and rail corridor	Tunnel Refurbishment City Circle	\$
Rail infrastructure, track and rail corridor	Ballast maintenance	\$
Rail infrastructure, track and rail corridor	Vegetation: Vegetation control; Arborist Inspections & Reporting; high voltage feeder clearance; LiDAR aerial survey	\$\$
Rail infrastructure, track and rail corridor	Rail Infrastructure - corridor improvements	\$
Rail infrastructure, track and rail corridor	MSA - Bridge Painting x 2 packages	\$\$
Rail infrastructure, track and rail corridor	MSA - Bridge Refurbishment x 2 packages	\$\$
Rail infrastructure, track and rail corridor	MSA - Culverts x 2 packages	\$
Rail infrastructure, track and rail corridor	MSA - Drainage	\$
Rail infrastructure, track and rail corridor	MSA - Geotech x 2 packages	\$
Rail infrastructure, track and rail corridor	EOI for Electrical Isolations Improvement Project New Metal Clad integrated CB's	\$
Rail infrastructure, track and rail corridor	Bridge Refurbishments including Concrete Road Works, Piling, Traffic Management, Survey and Steel Girders	\$
Rail infrastructure, track and rail corridor	Traffic Management Services	\$\$
Rail infrastructure, track and rail corridor	Replacement of Ultrasonic Rail Flaw Inspection Equipment	\$
Signalling	Yard Signalling Maintenance agreement	\$
Signalling	Resignalling at Central Coast and Western regions	\$\$\$
Rolling stock	Routine Maintenance to various Rail Vehicles	\$\$
Rolling stock	Modifications to various maintenance vehicles and spoil wagons	\$\$
Rolling stock	Technology Enabled Projects - CCTV Stream; passenger information systems; door systems	TBC

## Indicative Total Cost

\$: <\$10m

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\*Subject to Final Business Case

2017		2018				2019				2020				2021			
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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# Transforming Transport

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Our infrastructure program is at peak capacity with around \$1 billion of new capital being delivered every month. That work rate will continue for the next few years as TfNSW rolls out iconic projects connecting Sydney with WestConnex, NorthConnex, Sydney Metro, and light rail. Projects are also underway to ease congestion in Sydney and other major centres, improving access at railway stations and upgrading our fleet of intercity trains, regional and suburban trains, buses and ferries. We're also focusing on the regions – fixing country rail and country roads.

Transforming transport is more than building infrastructure, TfNSW is exploring opportunities for technological innovation; strategic land use and urban development; engaging communities to shape transport, responding to a more mobile customer asking for 'on-demand' transport options and solutions.

TfNSW will be delivering \$41.4 billion of fresh capital during the next four years. We are leveraging this pipeline of work to increase economic productivity, in addition to infrastructure construction, we are using the assets we own more effectively, saving money and time, reducing congestion and extending the economic life of public goods.

There is a growing need for public transport, roads and freight services, our planners have identified a number of 'megatrends' which will change transport:

- 1 Rapid technological innovation
- 2 Expanding customer choice and empowerment
- 3 Live, work and study anywhere
- 4 Environmental sustainability and energy security
- 5 A growing and ageing population

Technological innovation will enable Transport to deliver new services in different ways to improve efficiency of the mass transit network and revolutionise the customer experience.

Working together with our industry partners means we can increase our capability and capacity to deliver the most innovative solutions to transform transport.

# Our people

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Contact us to get more information regarding working together, our projects and procurement. TfNSW's dedicated Stakeholder and Industry Engagement team facilitates our relationships with industry partners.

Simply email: [stakeholder.relations@transport.nsw.gov.au](mailto:stakeholder.relations@transport.nsw.gov.au) or subscribe to our industry newsletters at: <https://www.transport.nsw.gov.au/about-us/our-mandate/industry-engagement>

## How to work with us

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To stay up to date with Transport's projects and get involved with suitable initiatives, simply:

- 1 **Tenders** - Sign up for alerts at NSW eTenders. Current tenders for our projects are available via the NSW Government eTendering website. Prospective tenderers are encouraged to view all tender documentation prior to submitting their applications and read the tender invitation instructions. Some tenders will need to be submitted online through the e-tendering website, however, others will need to be submitted in hard copy directly to Transport for NSW.
- 2 **Monitor** the list of awarded contracts to seek out opportunities with our delivery partners.
- 3 **Prequalification Panels** - Prepare your organisation and obtain or maintain prequalification with whole-of-government prequalification panels. Prequalified suppliers may be invited to tender by an government agency. Prequalification is not as a guarantee of work but determines a contractor's eligibility to tender for work, subject to meeting any local legislative / regulatory requirements. For more information visit: <https://www.procurepoint.nsw.gov.au/before-you-buy/prequalification-schemes-0>

Newly formed companies may also apply and will be assessed on a case by case basis.

## Contact us

For more information on how you can play a role during this exciting time in Transport's history visit, [transport.nsw.gov.au/projects](https://transport.nsw.gov.au/projects).

### Disclaimer

While all care is taken in producing and publishing this work, the details included are subject to change.