

Queensland Transport and Roads Investment Program

2022–23 to 2025–26

Southern Queensland Region

Bill Lansbury, Regional Director
Department of Transport and Main Roads

Our Region Southern Queensland

Bill Lansbury
Regional Director

Dereck Sanderson
District Director
Darling Downs District

Steven Dart
District Director
South West District

Hendrik Roux
District Director
Wide Bay Burnett District



Image: Cooroy to Curra Section D – Woodnum interchange overpass. Source: TMR.

Our program – focus areas of investment

- Bruce Highway Upgrade Program
- Road Safety Program
- Roads of Strategic Importance (ROSI)
- Regional Economic Enabling Fund (REEF)
- Warrego Highway East Masterplan

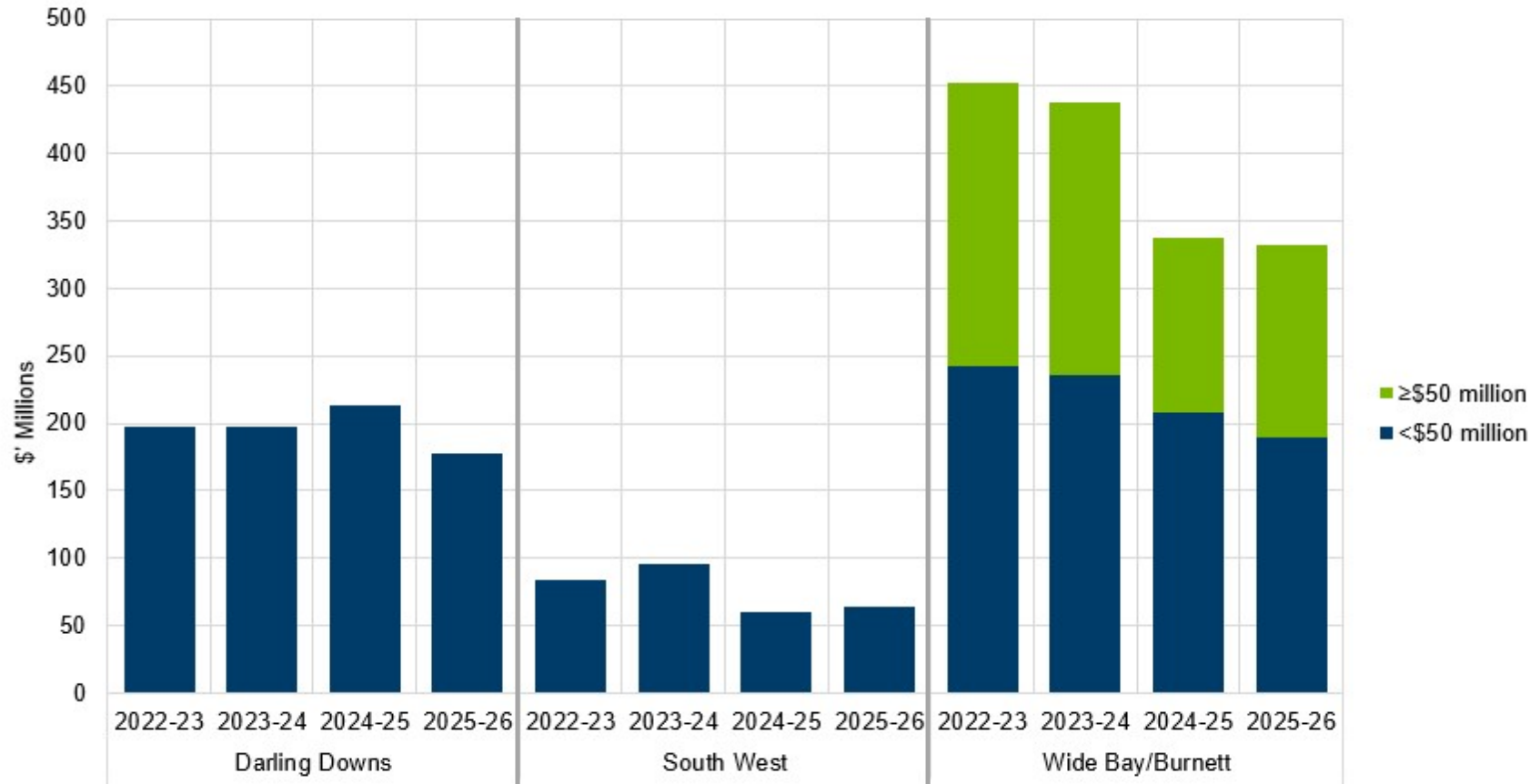
Our program approach – associated challenges

Top challenges	Description
Plant	Peak demand/supplier constraints/resource deficiencies
People	<p>Internal TMR resources at capacity</p> <p>Infrastructure projects in the market concurrently – high demand for quality human resources</p> <p>Difficulty in attracting/retaining technical staff to Western locations</p>
Materials	<p>Supply challenges around culverts and pavement materials</p> <p>Lead times extensive around reinforced concrete pipes, line marking contractors, lighting poles, signage, guardrail</p> <p>Increased demand worldwide for steel</p> <p>Gravel – limited availability of prequalified pits.</p>

Our program approach – associated challenges

Top challenges	Description
Weather	Numerous significant weather events impacting delivery
PUP	Utilities relocation works can impact on timely delivery Services found during construction phase not identified in design
Property acquisitions	Resumption process can impact on delivery
COVID-19	Reliance on the overseas markets to supply materials/componentry from the USA and China. Delays in supply chains impacting overall program delivery Knock on effect, whereby contractors are having difficulty securing subcontract resources.

Southern Queensland regional program values

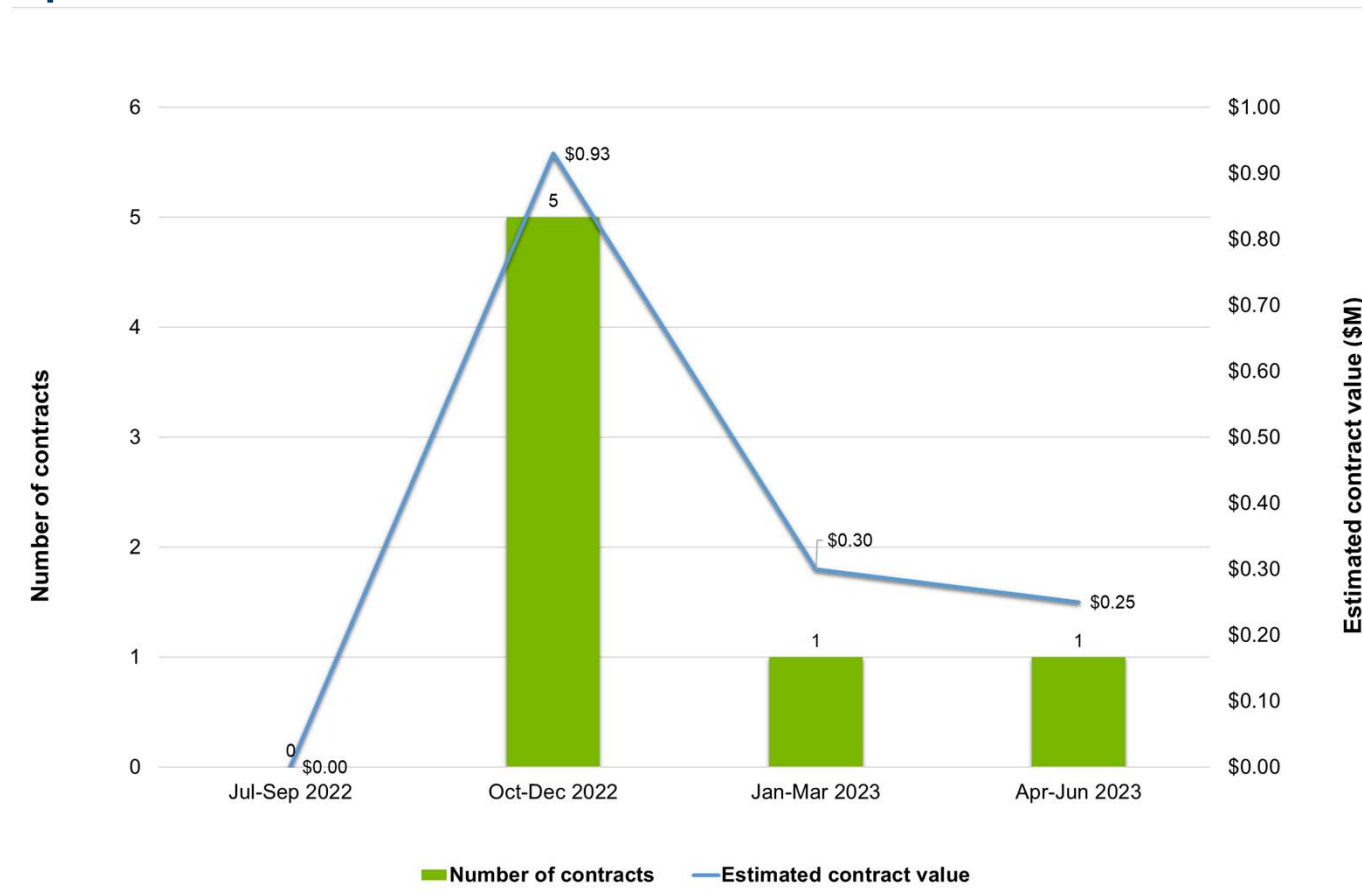


Our program – to be tendered in 2022–23

Project contract values	2022–23	
	Number of contracts	\$(M)
Planning	7	1.48
Design	5	5.43
Construction ≤ \$5 million	3	8.2
Construction > \$5 million to \$25 million	8	94.8
Construction > \$25 million to \$100 million	2	56.20
Maintenance	30	84.1

2022–23 Procurement for planning

Seeking to procure \$1.48 million of services from the market



Approximate number of tenders called per quarter

Toowoomba and Lockyer Valley strategic transport model update

Project details

- Estimated contract value: \$0.26 million
- Data collection, review and update of the Strategic Transport Model and creation of a mesoscopic model for Toowoomba
- Indicative Pre-qualifications: TP3; TE3; TLUM3.



Image: Map: Toowoomba. Source: Interactive Maps – Administrative Boundaries, TMR.

New England Highway Back Creek bridge upgrade bridge and approaches

Project details

- Estimated Contract value: \$0.24 million
- Development of an options analysis and business case (Type 2 OnQ) addressing Back Creek bridge, the northern intersection and heavy vehicle operations around Cooyar
- Pre-qualifications: HD1; TE1; CE1; GE1; TP1; ES1; HE1.

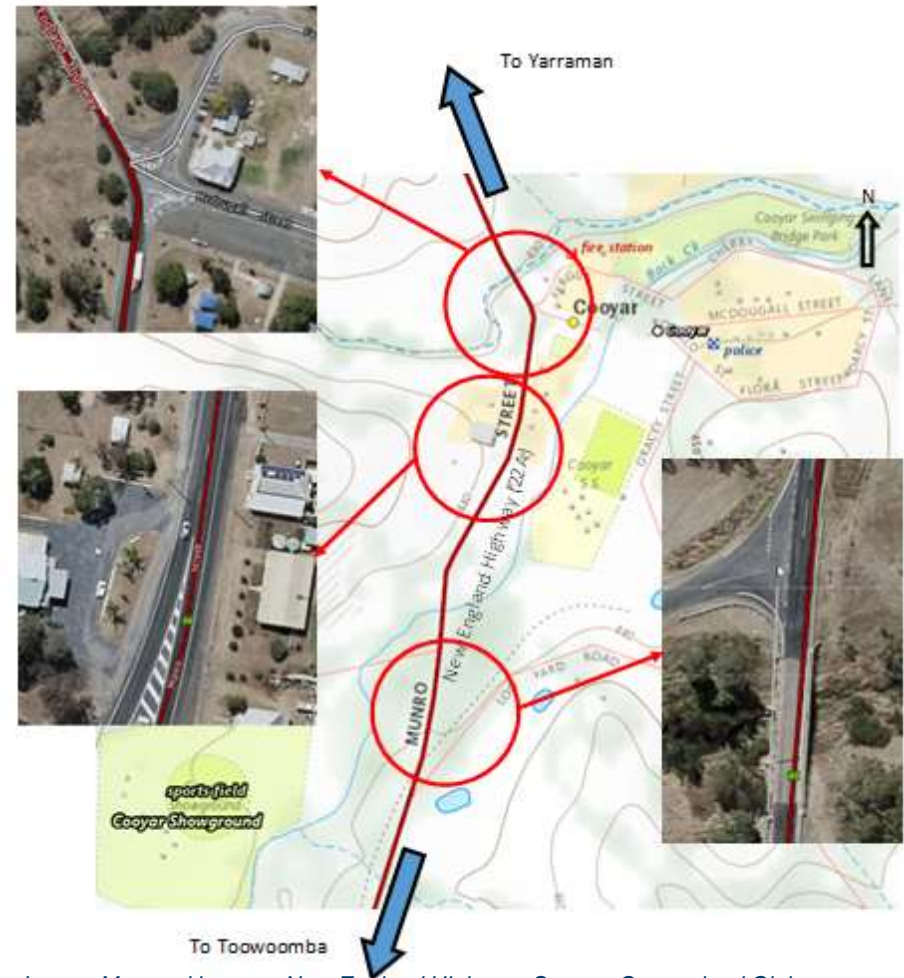


Image: Map and images: New England Highway. Source: Queensland Globe.

Dalby - Cooyar Road improve freight efficiency

Project details

- Estimated Contract value: \$0.13 million
- Investigation into benefits of upgrading Dalby-Cooyar Road to permit higher productivity vehicles. Identification and scoping of the infrastructure works required
- Pre-qualifications: TE1; CE1; TP1; ES1; HE1.



Source: TMR Road Operations (Darling Downs), Queensland Globe

Planning – key planning projects

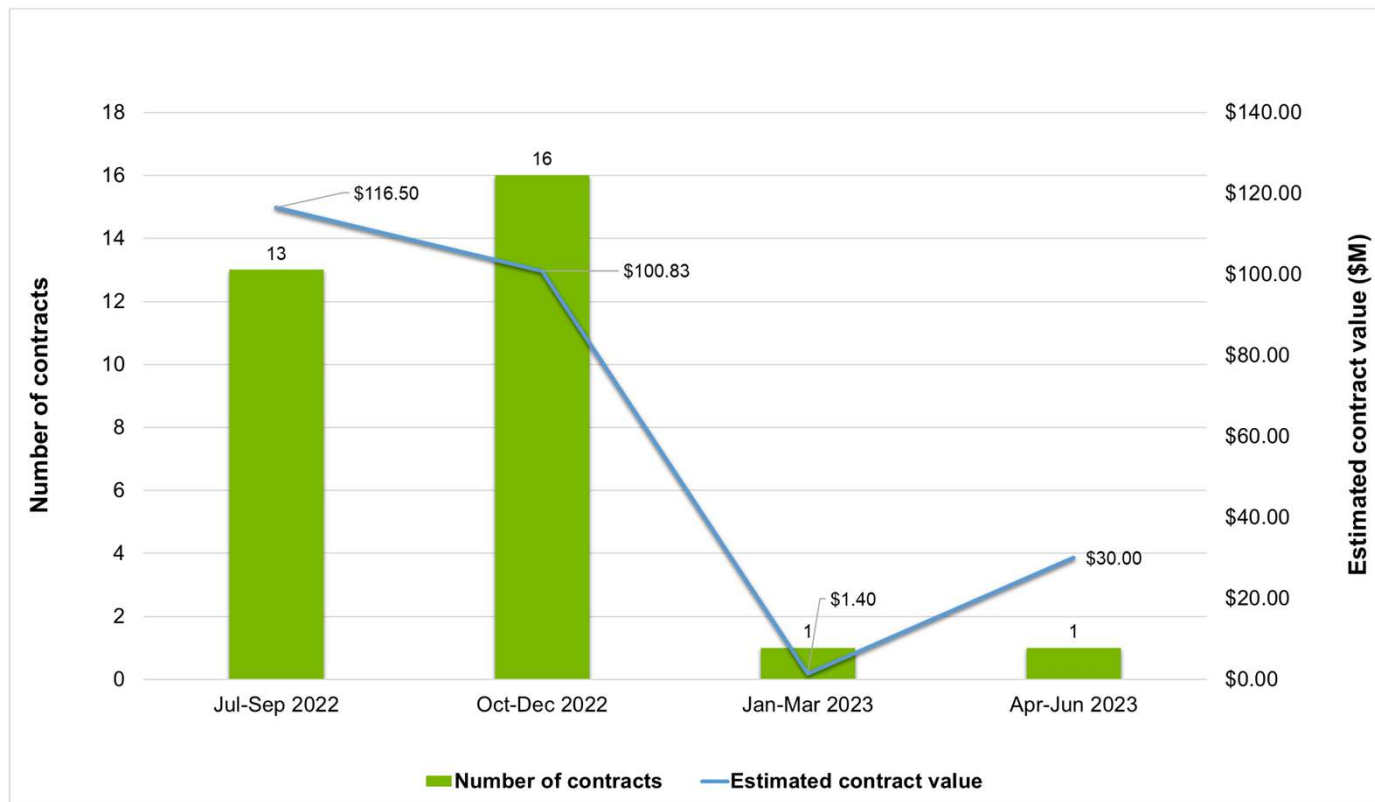
Project name	Work type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Bunya Highway, D'Aguilar Highway (Kingaroy), Youngman Street - Walter Road, cycle facilities, planning	Business Case	Sole invitation	Nil	Oct–Dec 2022	0.15
D'Aguilar Highway (Yarraman - Kingaroy), pavement strengthening and widening, OA and BC	Business Case	Sole invitation	Nil	Oct–Dec 2022	0.15

Planning – key planning projects

Project name	Work type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Tin Can Bay Road, Gympie Connection Road, Intersection upgrade, business case	Business Case	Restricted tender	Nil	Apr–Jun 2023	0.25
Maryborough - Hervey Bay Road, Ibis Boulevard and Fairway Drive, intersection upgrade, business case	Business Case	Restricted tender	Nil	Jan–Mar 2023	0.30

2022–23 procurement for design, construction and maintenance per quarter

Seeking to procure \$248.73 million of services from the market



Approximate number of tenders called per quarter

Construction projects – design

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Minor Traffic Signals, ITS and Lighting Design – various locations	Detailed Design	SOA	ECS	Nil	Oct–Dec 2022	0.03
Roadside Safety Assessments – various locations	Detailed Design	SOA	ECS	HE2	Jul–Sep 2022	0.2

SOA – Standing Offer Arrangement

ECS – Engineering Consultant Scheme

Construction projects – design

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Pialba - Burrum Heads Road, O'Regan Creek, upgrade existing floodway	Detailed Design – upgrade floodway	CFEP	Select invitation, prequalified	HE2	Oct–Dec 2022	0.4
D'Aguilar Highway (Yarraman - Kingaroy), Alexander Lane to Bunya Highway, improve safety	Detailed Design – proposed re-alignment	CFEP	Select invitation, prequalified	HE2	Oct–Dec 2022	0.3

CFEP – Consultants for Engineering Projects

Tiaro Bypass Project – detailed design

Project details

- Total project budget – \$336 million
- \$268.8 million Australian Government, \$67.2 million Queensland Government
- **Design Contract value – \$4.5 million**

The project is located on Bruce Highway at Tiaro, around 230km north of Brisbane. Design contract to be released to the market in 2022-23 with construction contract to estimated to be released to the market in 2024-25.

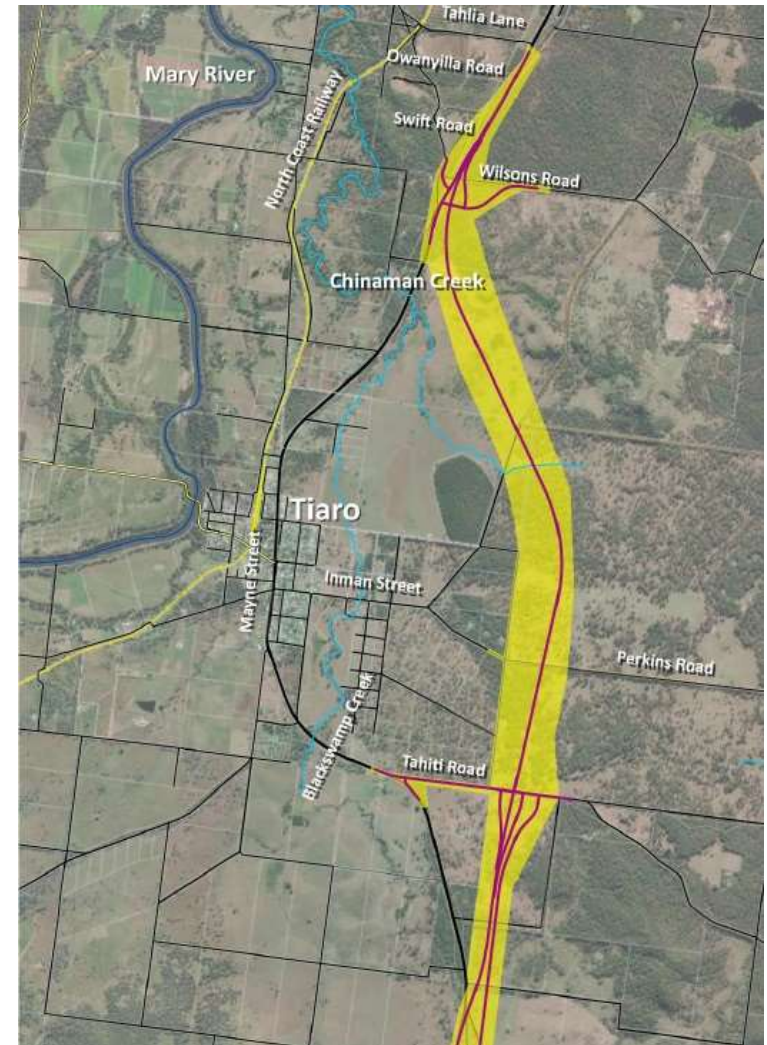


Image: Tiaro Bypass. Source: Tiaro Bypass business case, TMR.

Construction projects ≤ \$5 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Warrego Highway (Miles – Roma) and Wallumbilla South Road Intersection	Intersection Upgrade	TIC-CO	Open tender	F5/R3	Jul–Sep 2022	1.7
Gore Highway (Pittsworth - Millmerran), pavement rehabilitation of priority sections	Rehabilitate Pavement	MIC-CO	Open tender	R2/A2/F5	Jul–Sep 2022	3.0
Warrego Highway (Miles - Roma) Intersection safety improvements	Intersection safety improvements	TIC-CO	Open tender	F5/R3	Jan–Mar 2023**	3.5

TIC-CO – Transport Infrastructure Contract Construct Only

MIC-CO – Minor Infrastructure Contract Construct Only

**Project scope, timing and budget is subject to Australian Government approvals.

Construction projects > \$5 million to \$25 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
New England Highway (Yarraman - Toowoomba), sections 103.53 – 105.15km	Asphalt resurfacing	TIC-CO	Open tender	A4	Oct–Dec 2022	6.0
New England Highway (Toowoomba - Warwick), safety upgrades on high risk roads, sections 0.0 – 5.00km	Improve intersection	TIC-CO	Open tender	R3/A4/ F10	Jul–Sep 2022	6.7
Warrego Highway (Miles - Roma) batter treatment; 101.0 - 141.0km	Batter slope upgrades	TIC-CO	Open tender	F5/R3	Jan–Mar** 2023	6.5

TIC-CO – Transport Infrastructure Contract Construct Only

**Project scope, timing and budget is subject to Australian Government approvals.

Construction projects > \$5 million to \$25 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
2022-23 to 2023-24 Reseals Resurfacing	Reseals resurfacing	TIC-CO	Open tender	Nil	Oct–Dec 2022	9.0
2022-23 to 2023-24 E18 resurfacing prior works for reseals	Resurfacing prior works for reseals	TIC-CO	Open tender	R2	Oct–Dec 2022	12.0

TIC-CO – Transport Infrastructure Contract Construct Only

Construction projects > \$5 million to \$25 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Bruce Highway (Gympie - Maryborough), Curra to Gunalda, sections 23.70 – 28.80km	Road safety enhancement works	TIC-CO	Open tender	R3/ F15 ^{^^}	Oct–Dec 2022	15.0#
Bruce Highway (Gympie - Maryborough), Stratford Road and Mountain Road, section 50.63km	Intersection upgrades					
Bruce Highway, (Gympie - Maryborough) Chapman Road to Stratford Road, sections 48.60 – 50.63km	Road safety enhancement works					
Bruce Highway (Gympie - Maryborough), Brooks Road, sections 52.60 – 53.40km	Improve intersection/s					
Bruce Highway (Gympie - Maryborough), Curra, sections 12.40 – 21.80km	Road safety enhancement works					
<small>TIC-CO – Transport Infrastructure Contract Construct Only # Projects to be delivered as a package of works. ^^ Prequalification levels are subject to change following review of the final design.</small>						

Construction projects >\$5 million to \$25 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Bruce Highway (Gympie - Maryborough), Owanyilla - Tinana	Improve intersections	TIC-CO	Open tender	R3/F20^^	Oct-Dec 2022	19.0#
Bruce Highway (Gympie - Maryborough), 4 Mile, 5 Mile and 6 Mile Roads	Intersection upgrades					
Bruce Highway (Gympie - Maryborough), Lindah Road to Mary River, section 79.9 - 85.2km	Road safety enhancement works					

TIC-CO – Transport Infrastructure Contract Construct Only

#Projects to be delivered as a package of works.

^^Prequalification levels are subject to change following review of the final design.

Construction projects > \$5 million to \$25 million

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Bruce Highway (Gin Gin - Benaraby), various locations sections 20.18 – 37.13km	Road safety enhancement works	TIC-CO	Open tender	R3/ F20 ^{^^}	Oct–Dec 2022	20.6#
Bruce Highway (Gympie - Benaraby), upgrade rest areas, sections 20.76 and 37.13km	Construct new and upgrade rest areas					
Bruce Highway (Gin Gin - Benaraby), sections 11.60 – 11.85km.	Pavement works					
Bruce Highway (Gin Gin - Benaraby), Barton Road, sections 46.30 – 46.84km	Intersection improvements					
Bruce Highway (Gin Gin - Benaraby), east Claxton Road and Rickards Road	Intersection improvements					
Bruce Highway (Gin Gin - Benaraby), sections 5.8 - 36.2km	Road safety enhancement works					

TIC-CO – Transport Infrastructure Contract Construct Only
Projects to be delivered as a package of works.
^^ Prequalification levels are subject to change following review of the final design.

Gore Highway (Millmerran - Goondiwindi) Wyaga Creek flood improvement

Project details**

- Jointly funded Australian and Queensland governments 80:20
- Total project budget – \$45.24 million
- **Estimated Contract value – \$26.2 million**

The project includes the construction of a new offline alignment to the west and improvement of waterway at the Wyaga Creek crossing.

** Project scope, timing and budget is subject to Australian Government approvals.



Image: Map and images, Gore Highway. Source: Wyaga Creek business case, TMR.

Gore Highway (Millmerran - Goondiwindi) Wyaga Creek flood improvement

Risks and delivery mechanism

Key risks	Contract type
Inclement weather affecting ability to work on structure	TIC-CO
Lead time in ordering culvert components	Pre-qualification levels
	R3/B2/F20

Timetable	Date
Contract Award	Jan 2023**
Construction commence	Mar 2023**
Construction complete	Oct 2024**

TIC-CO – Transport Infrastructure Contract Construct Only
**Project scope, timing and budget is subject to Australian Government Approvals.

Maryborough – Hervey Bay Road and Pialba – Burrum Heads Road upgrade intersection

Project details**

- Jointly funded Australian and Queensland governments 80:20
- Total project budget – \$44.1 million
- **Contract value – \$30.0 million**

The project includes duplication and major intersection upgrades.

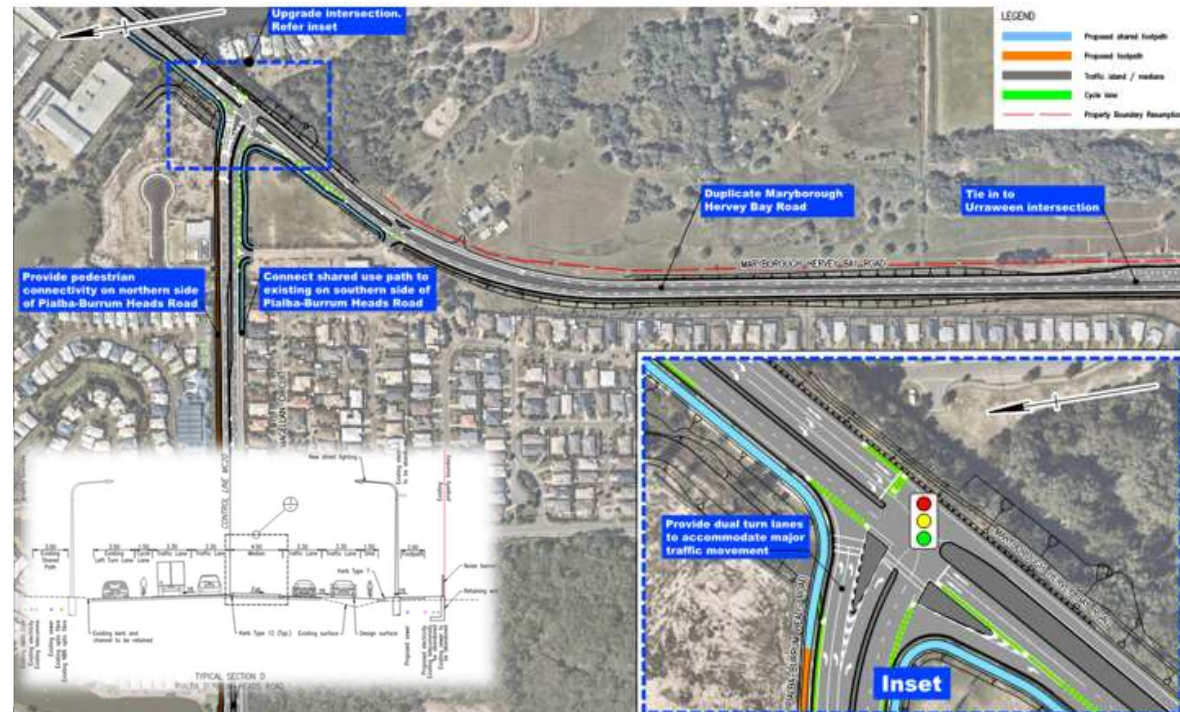


Image: Aerial and Drawing: Maryborough – Hervey Bay Road and Pialba – Burrum Heads Road intersection.
Source: Maryborough – Hervey Bay Road and Pialba – Burrum Heads Road business case, TMR.

**Project scope, timing and budget is subject to Australian Government approvals.

Maryborough – Hervey Bay Road and Pialba – Burrum Heads Road upgrade intersection

Risks and delivery mechanism

Key risks

Timelines for PUP services relocation

Contract type

TIC-CO

Pre-qualification levels

R3/F25

Timetable

Date

Contract Award

April - June 2023**

Construction commence

Late 2023**

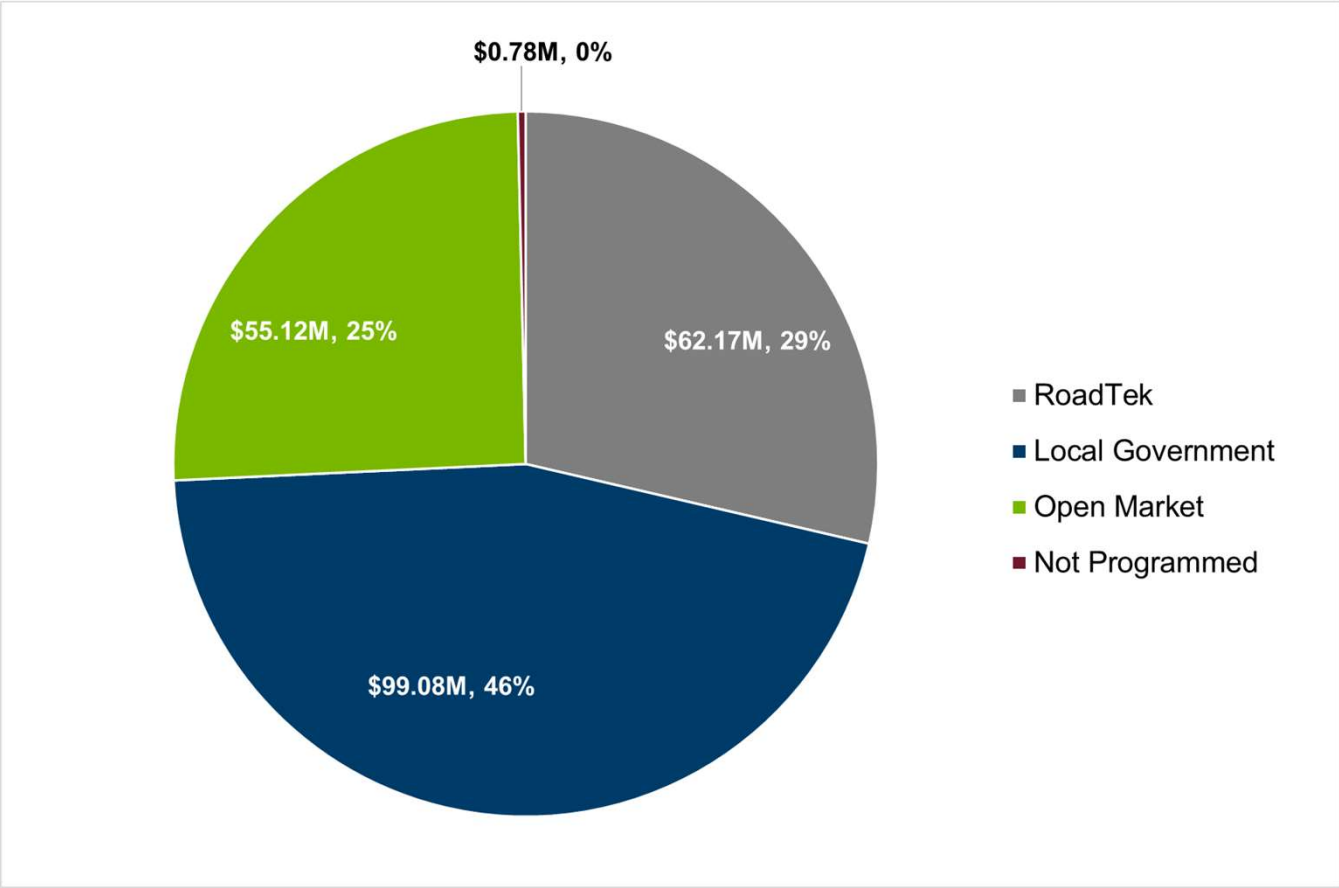
Construction complete

Late 2024**

TIC-CO – Transport Infrastructure Contract Construct Only

** Project scope, timing and budget is subject to Australian Government Approvals.

2022–23 Maintenance, preservation and environment sector distribution



Maintenance program

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Warrego Highway (Dalby - Miles), 2022-23 to 2023-24 pavement rehabilitation	Rehabilitate Pavement	MIC-CO	Open tender	A4	Oct–Dec 2022	1.0
Cunningham Highway, E17 Asphalt Resurfacing	Asphalt Resurfacing	MIC-CO	Open tender	A4	Oct–Dec 2022	1.3
2022-23 to 2023-24 E18 resurfacing prior works for reseals	Resurfacing Prior Works for Reseals	MIC-CO/MIC-SI	Various	R2	Oct–Dec 2022	1.4

MIC-CO – Minor Infrastructure Contract Construct Only

MIC-SI – Minor Infrastructure Contract Sole Invitee

Maintenance program

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Darling Downs District 2022-23 Pavement rehabilitation final sealing works	Rehabilitate Pavement	MIC-CO	Open tender	R2/A4	Jan–Mar 2023	1.4
2022-23 E17 programmed maintenance program	Asphalt Resurfacing	TIC-CO	Open tender	A3	Jul–Sep 2022	2.0#
Bruce Highway, 2022-23 E17 Asphalt reseal program						
2022-23 E17 programmed maintenance program	Asphalt Resurfacing	TIC-CO	Open tender	A3	Oct–Dec 2022	2.0

MIC-CO – Minor Infrastructure Contract Construct Only
TIC-CO – Transport Infrastructure Contract Construct Only
#Projects to be delivered as a package of works.

Maintenance program

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
2022-23 Asphalt Concrete Resurfacing	Asphalt Concrete Resurfacing	TIC-CO	Open tender	A4	Oct–Dec 2022	2.8
2022-23 E17 Reseal Program, State funded	Reseal Work Western Region	TIC-CO	Open tender	Nil	Jul–Sep 2022	3.5#
2022-23 E17 Reseal Program						

TIC-CO – Transport Infrastructure Contract Construct Only

#Projects to be delivered as a package of works.

Maintenance program

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Landsborough Highway (Augathella - Tambo), 47.0 - 51.70km, rehabilitate pavement	Pavement Rehabilitation	TIC-CO	Open tender	F5/R2	Jul-Sep 2022	3.6#
2022-23 E17 Reseal Program, State funded	Reseal Work Eastern Region	TIC-CO	Open tender	Nil	Jul-Sep 2022	3.9#
2022-23 E17 Reseal Program						

TIC-CO – Transport Infrastructure Contract Construct Only
 #Projects to be delivered as a package of works.

Maintenance program

Project name	Work type	Contract type	Procurement method	Pre-qual levels	Approximate quarter to be called	Estimated contract value (\$M)
Darling Downs Lockyer Valley, Southern Downs, Goondiwindi, Toowoomba, Western Downs Regional Councils and RoadTek (Toowoomba and Lockyer Valley) and (Southern Downs)	Road maintenance	RMPC	Sole Invitee	Nil	July–Sep 2022	22.7
South West Balonne, Bulloo, Maranoa, Murweh, Quilpie, Paroo Shire Councils and RoadTek (Downs South-West)	Road maintenance	RMPC	Sole Invitee	Nil	July–Sep 2022	21.2
Wide Bay Burnett Bundaberg, North Burnett, Fraser Coast, Gympie, South Burnett, Cherbourg Aboriginal, RoadTek	Road maintenance	RMPC	Sole Invitee	Nil	July–Sep 2022	17.3

RMPC – Road Maintenance Performance Contract

Indicative material demand

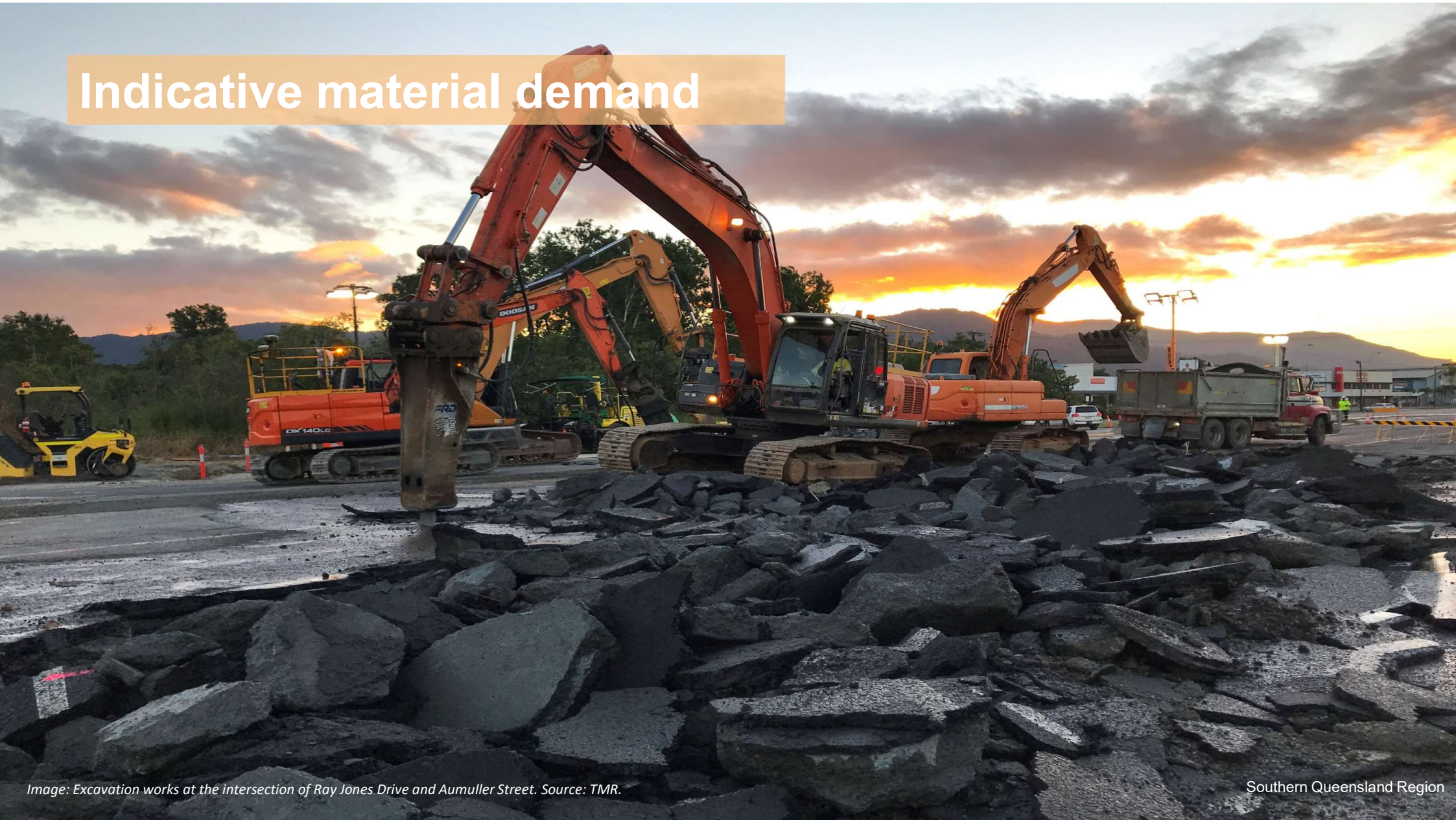
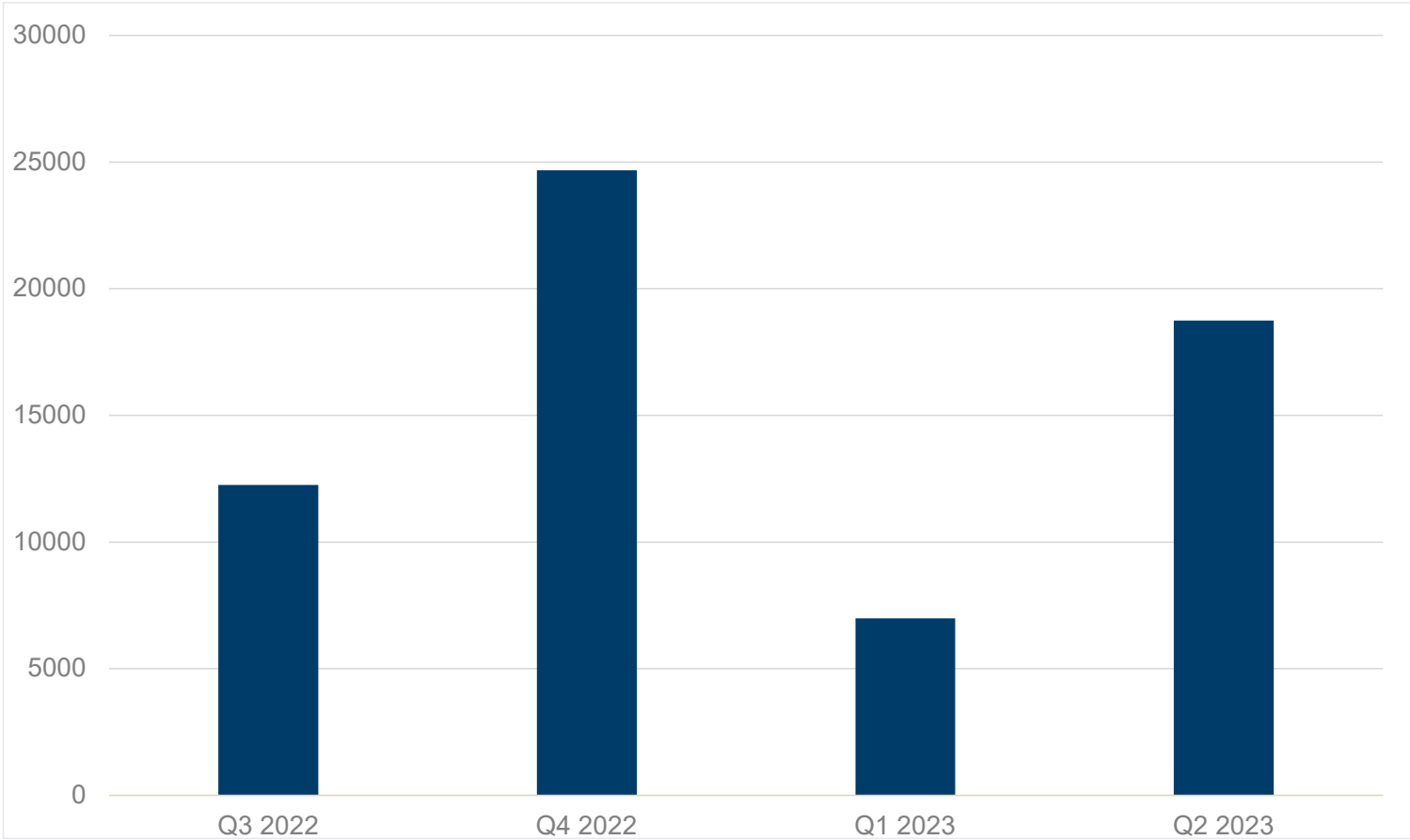
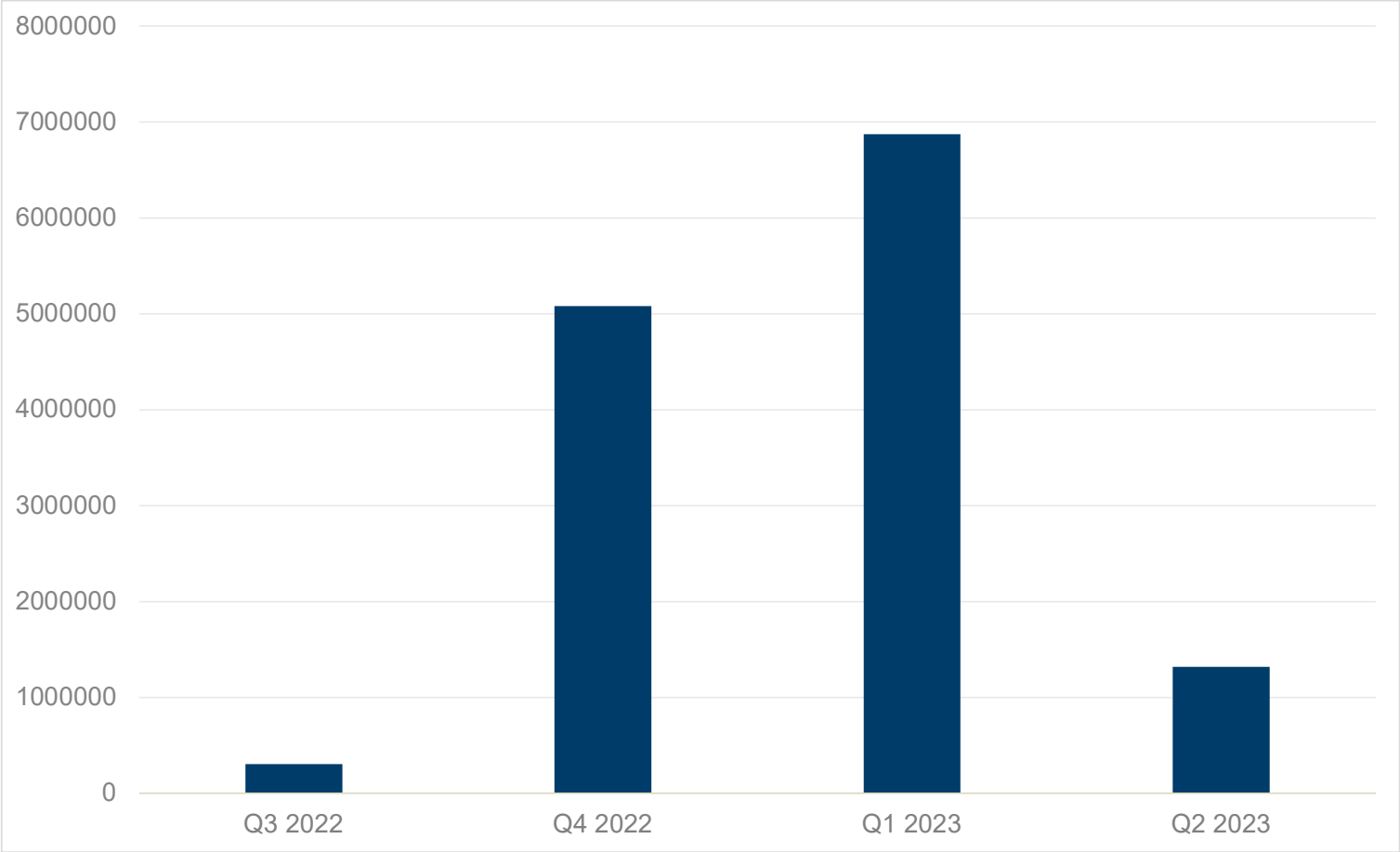


Image: Excavation works at the intersection of Ray Jones Drive and Aumuller Street. Source: TMR.

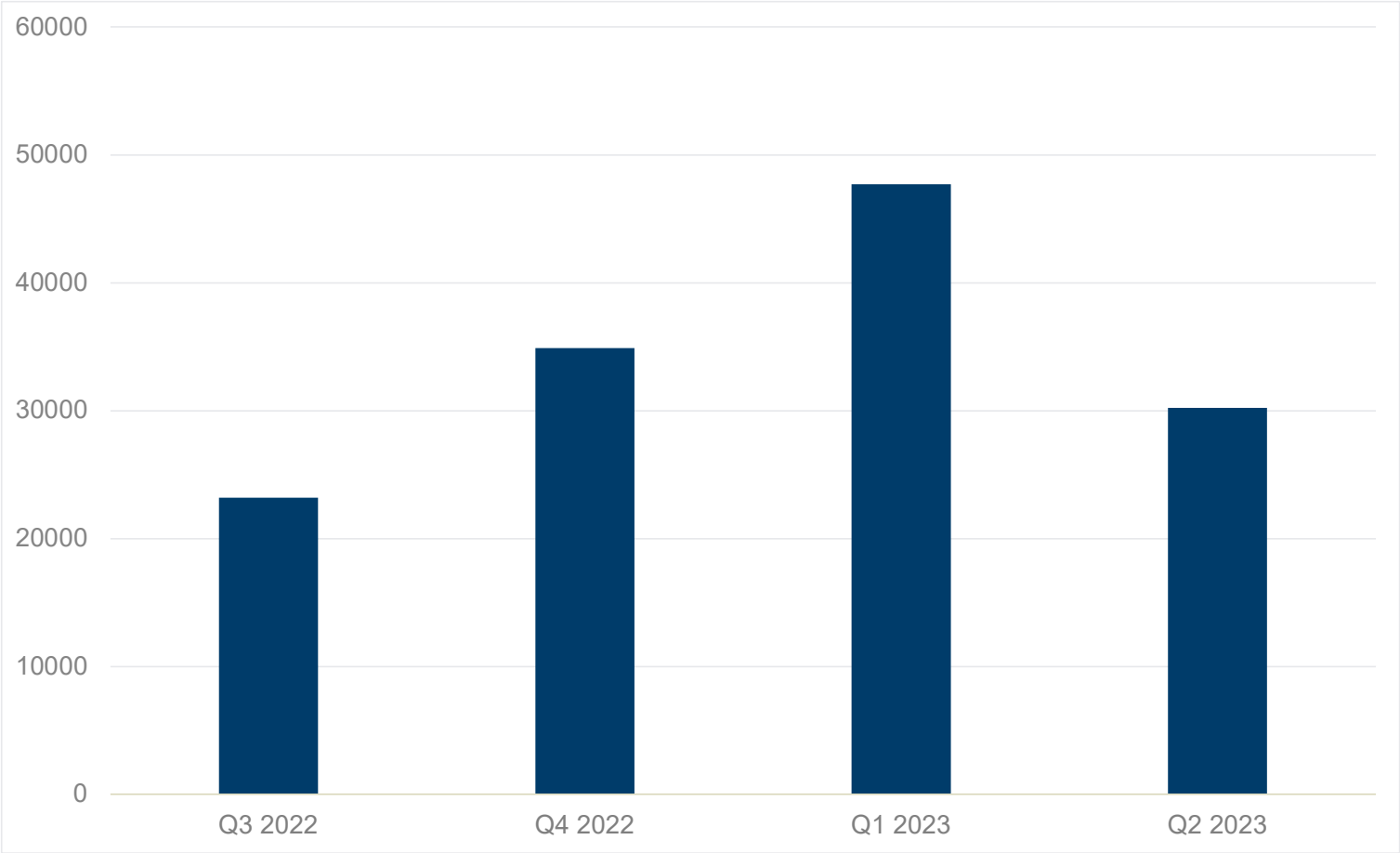
Estimated asphalt demand (tonnes)



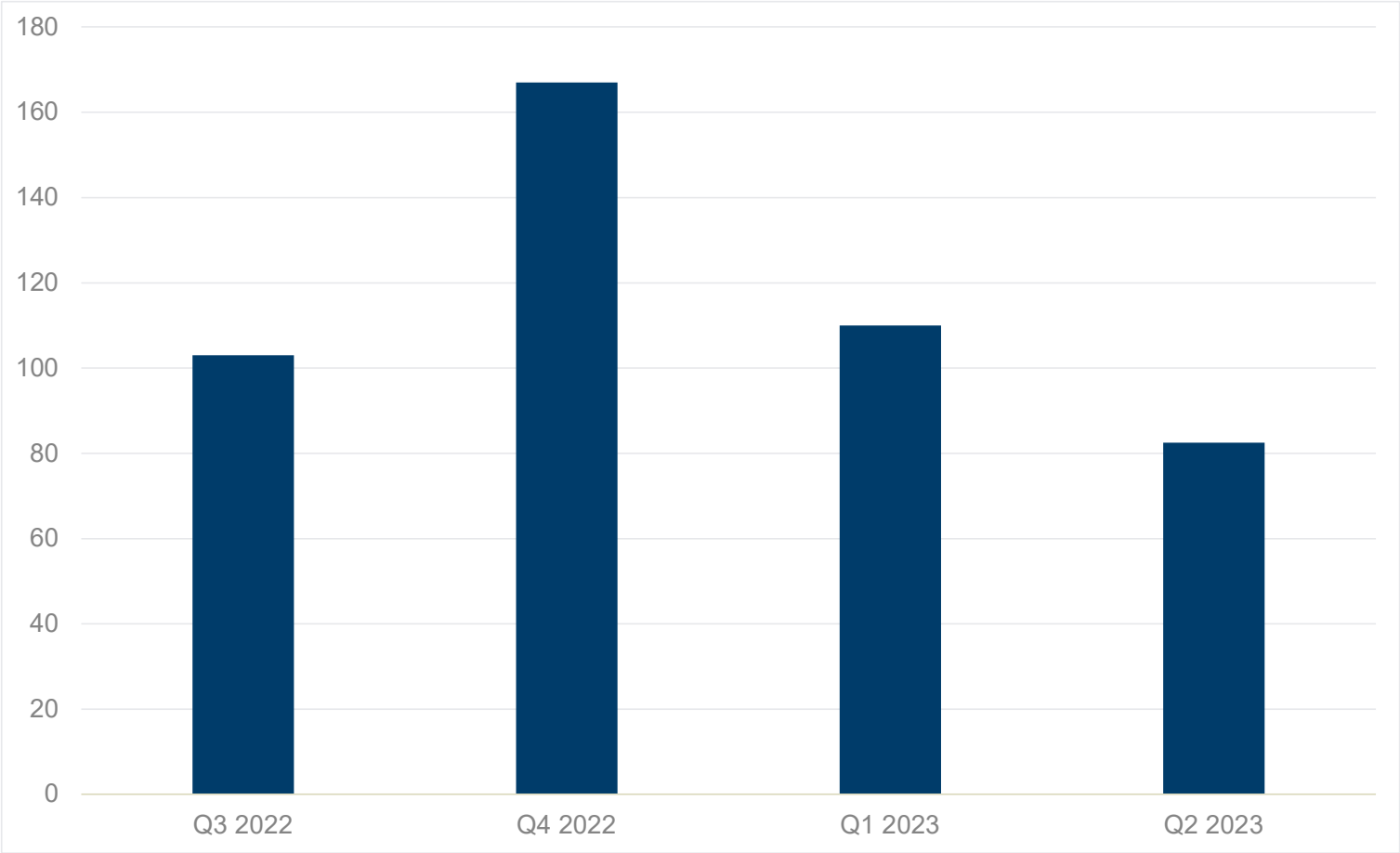
Estimated bitumen demand (litres)



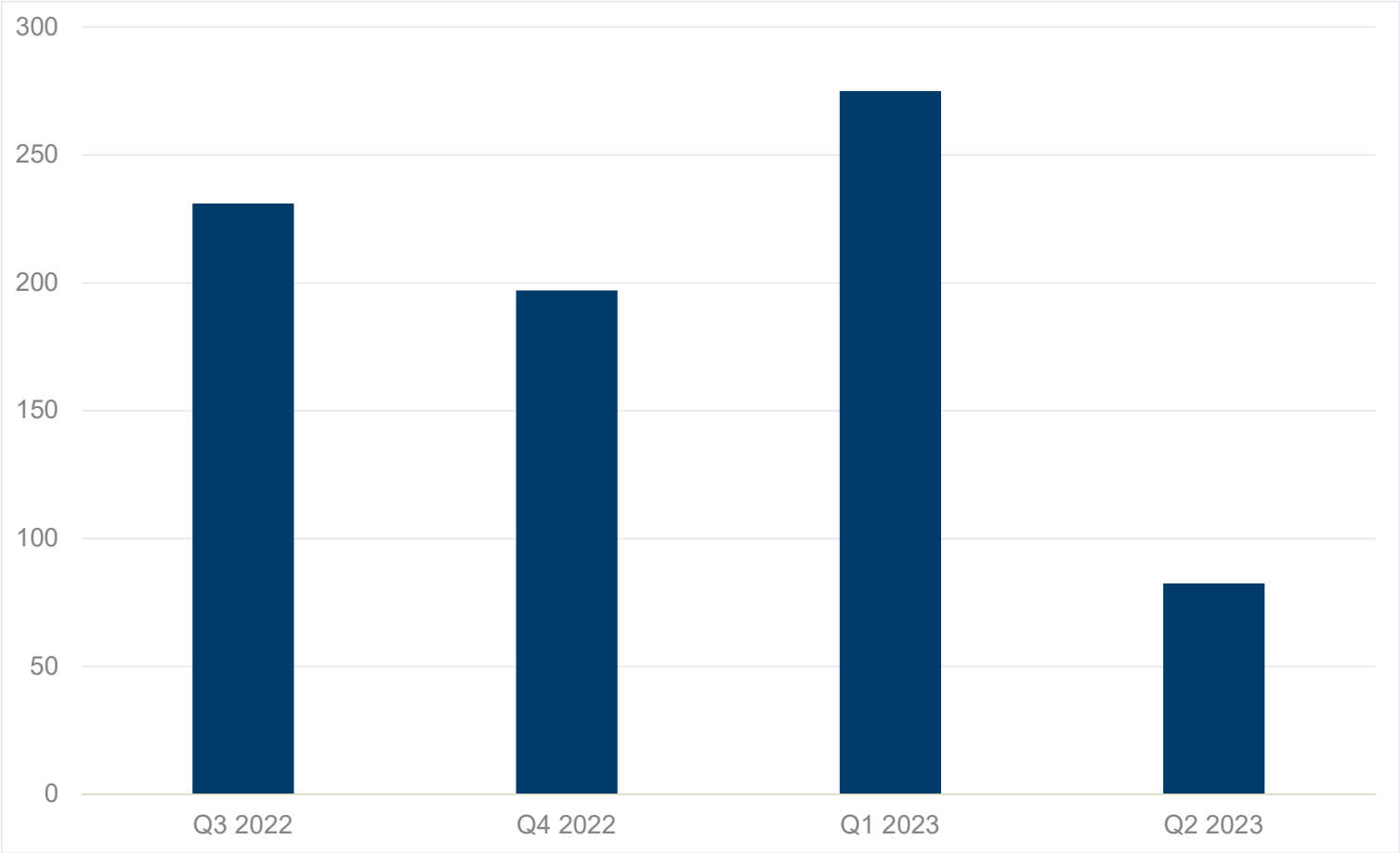
Estimated granular demand (tonne)



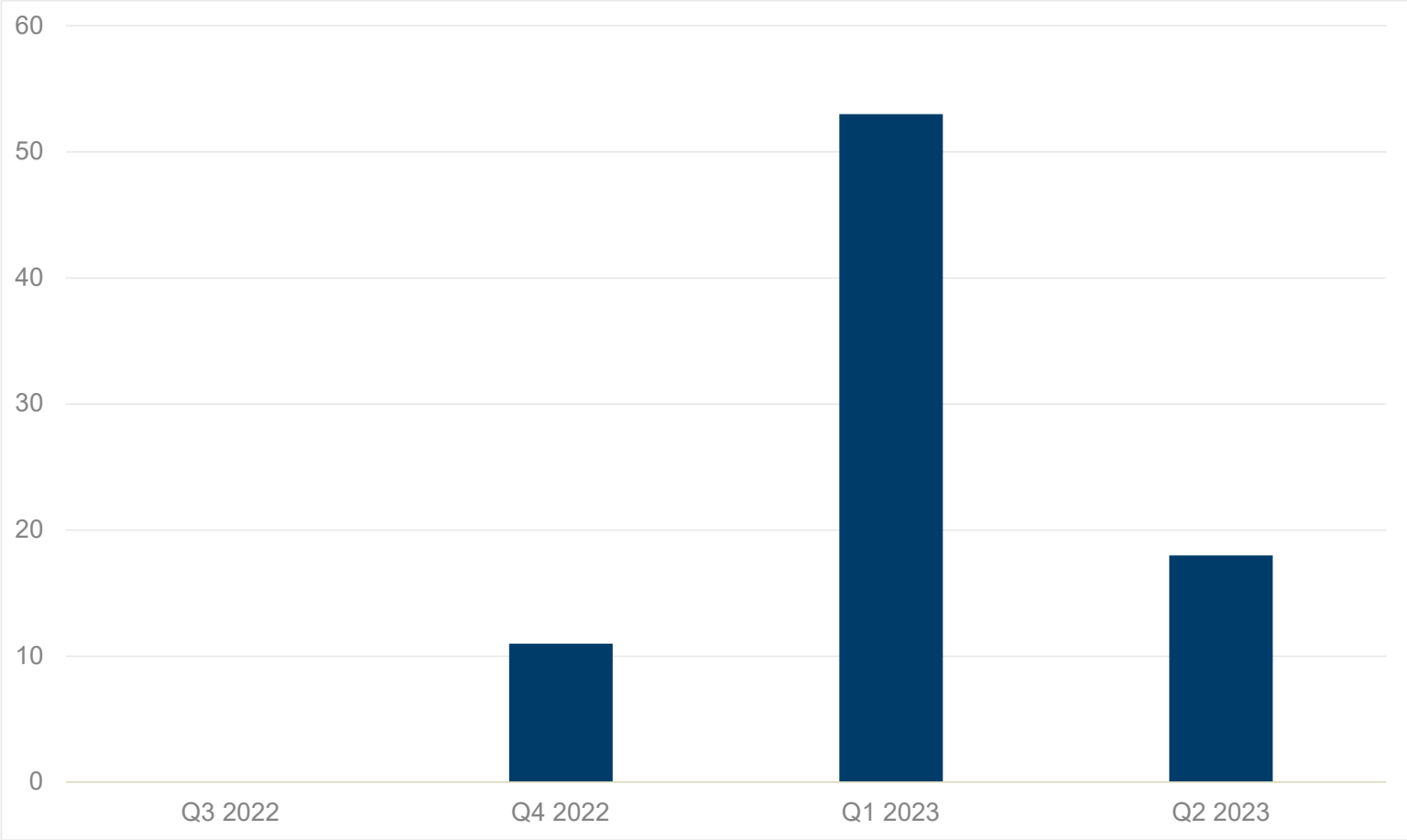
Estimated concrete demand (m³)



Estimated culvert demand (linear metres)



Estimated deck unit demand



Our 2022–23 program – external, industry supplied workforce

Functional role requirement	Additional resource requirements (estimate)		
	Darling Downs	South West	Wide Bay Burnett
Project Manager (Engineer)	-	2	3
Project Manager (Planning)	4	-	1
Roadworks Inspector	-	-	3
Contract Administrator	-	-	1
Contract Administrators Representative	-	-	1
Civil Engineer	-	-	1

An aerial photograph showing a road construction project in a lush, green forested area. A dirt road is under construction, with a paved road visible on the left. In the foreground, there is a large construction site with various pieces of machinery, including a large crane or excavator, and a white truck. The background shows a dense forest extending to the horizon under a clear sky.

Our program – industry engagement

For further information on Southern Queensland Region's program email:

SQR_Communications@tmr.qld.gov.au

Image: Saltwater Creek project. Source Georgiou

Southern Queensland Region

Thank you and stay connected



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Department of Transport and Main Roads



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