

# Downs South West Regional Industry Briefing

## Projects to tender during 2015/ 2016

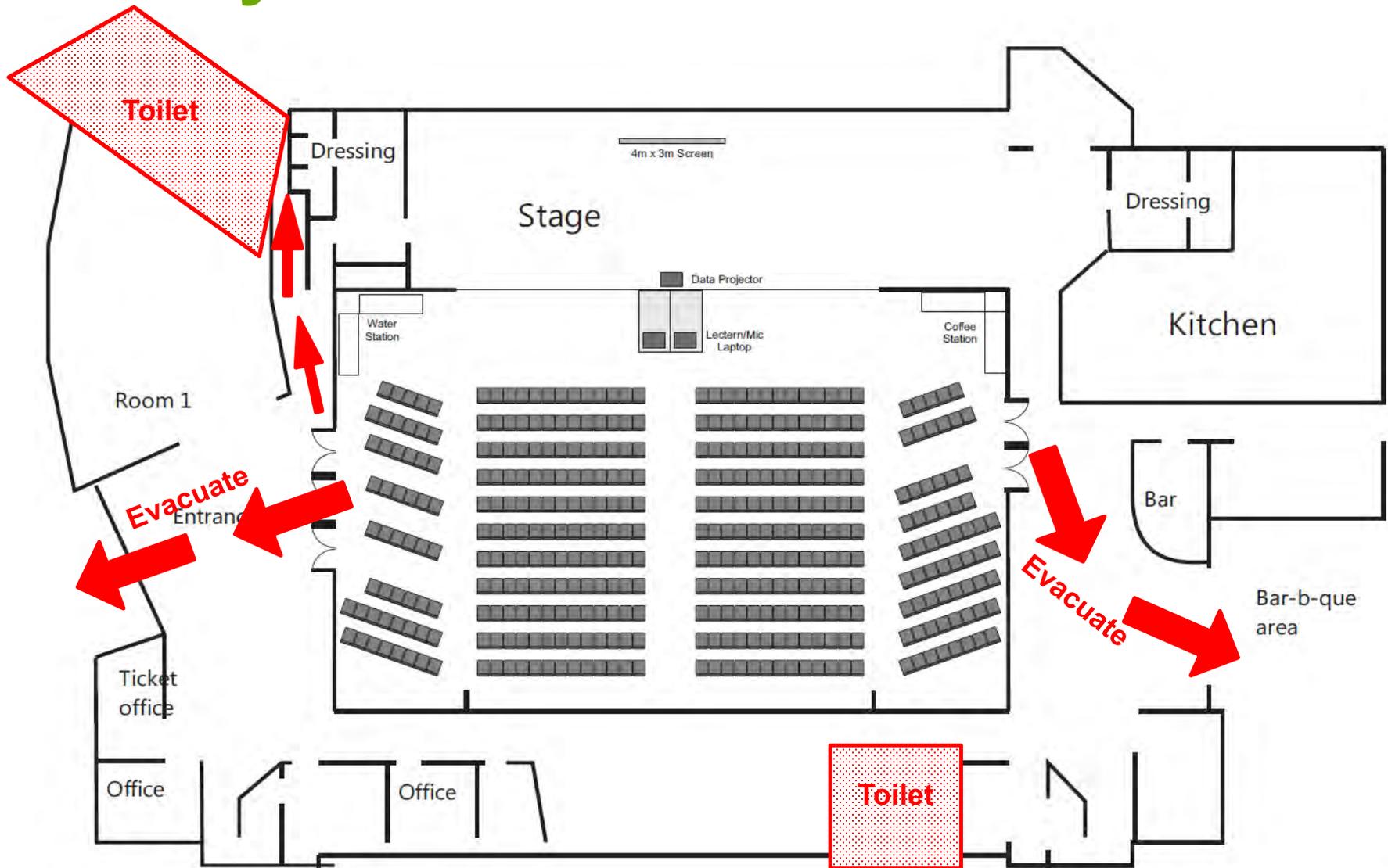
Kym Murphy, Regional Director (Downs South West)

Adam Garvin, Acting District Director (Darling Downs)

Sid Cotter, Regional Planning Manager (Downs South West)

27 August 2015

# Safety and Evacuation



# Agenda

- Overview of industry brief
- Overview of Transport and Main Roads and Downs South West Region
- Overview of Region and District Programs
- Procurement processes
- Planning projects
- Design projects
- Construction projects
- Questions.

# Our values

## Our values



Customers  
First



Ideas into  
Actions



Unleash  
Potential



Be  
Courageous



Empower  
People

# Diversity and inclusion

We have a responsibility to ensure our employee pool reflects and better serves the diverse nature of the Queensland community.

- Diversity brings different perspectives into the workplace.
- An inclusive workplace ensures employees feel confident and supported to contribute and participate fully in the workforce.
- Diverse and inclusive teams:
  - generate new ideas
  - challenge the status-quo
  - introduce fresh ways of looking at problems
  - offer a wider range of potential solutions.

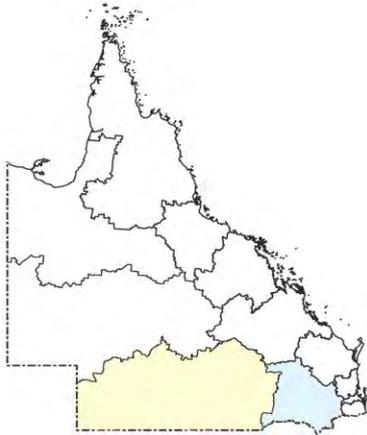


# Overview of the industry brief

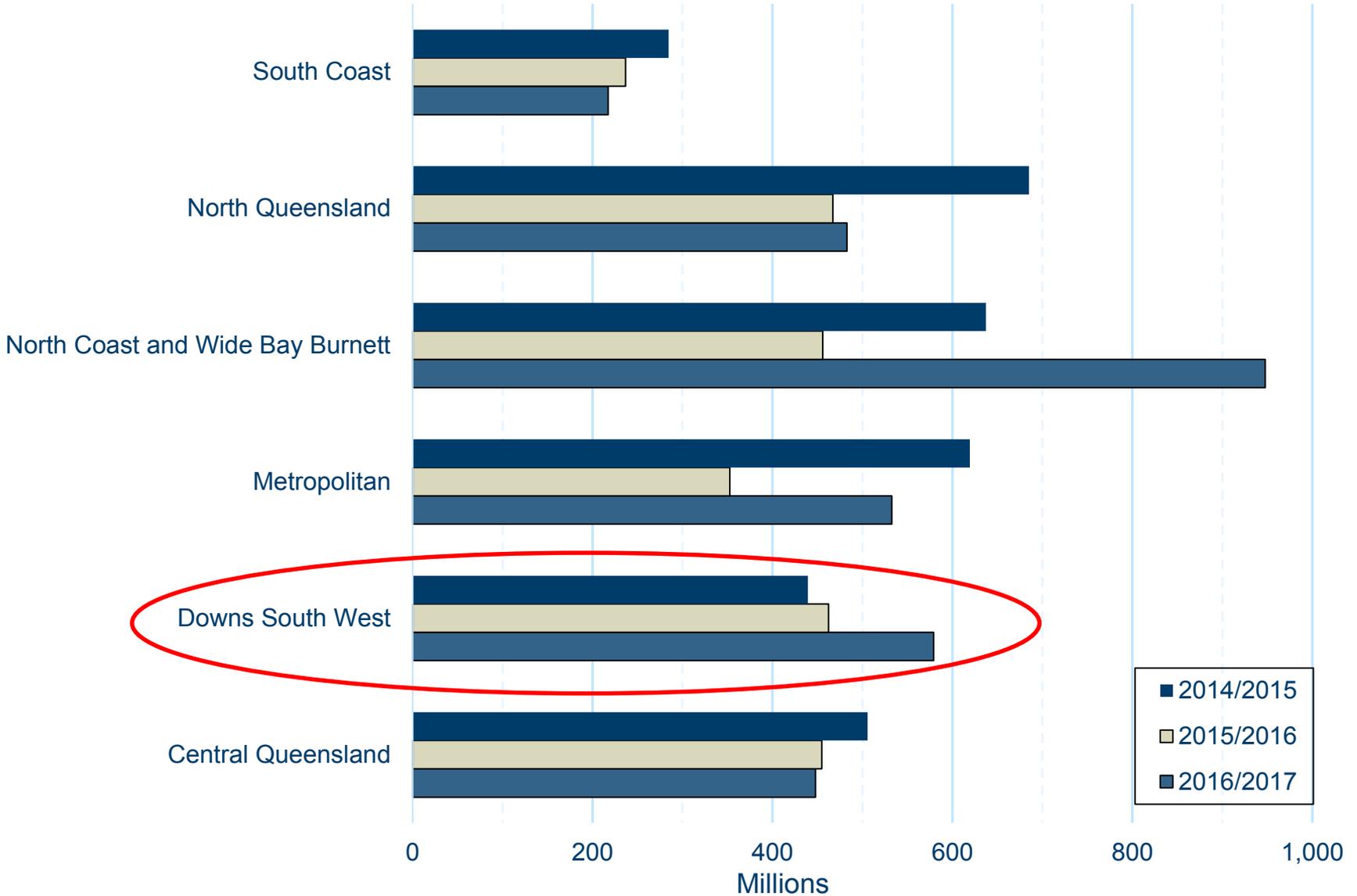
## Aim of the Brief is to:

- Extend the state-wide briefings, delivered by Director-General – Mr Neil Scales, to the local level
- Respond to industry requests for information
- Engage with our stakeholders
  
- Highlight significant projects in the region
- Detail planning, design and construction projects
- Request industry's help in delivering these projects.

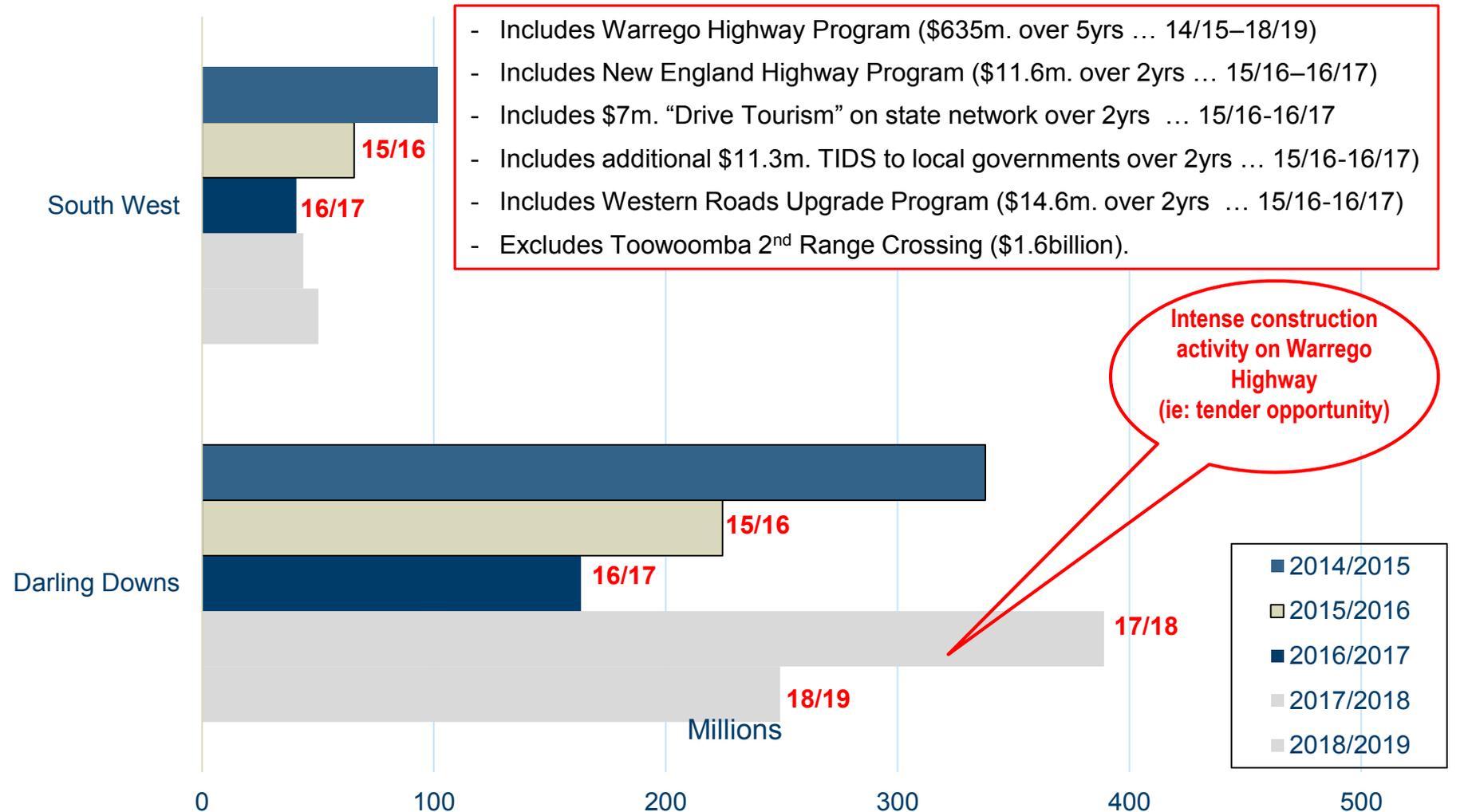
# Downs South West Region



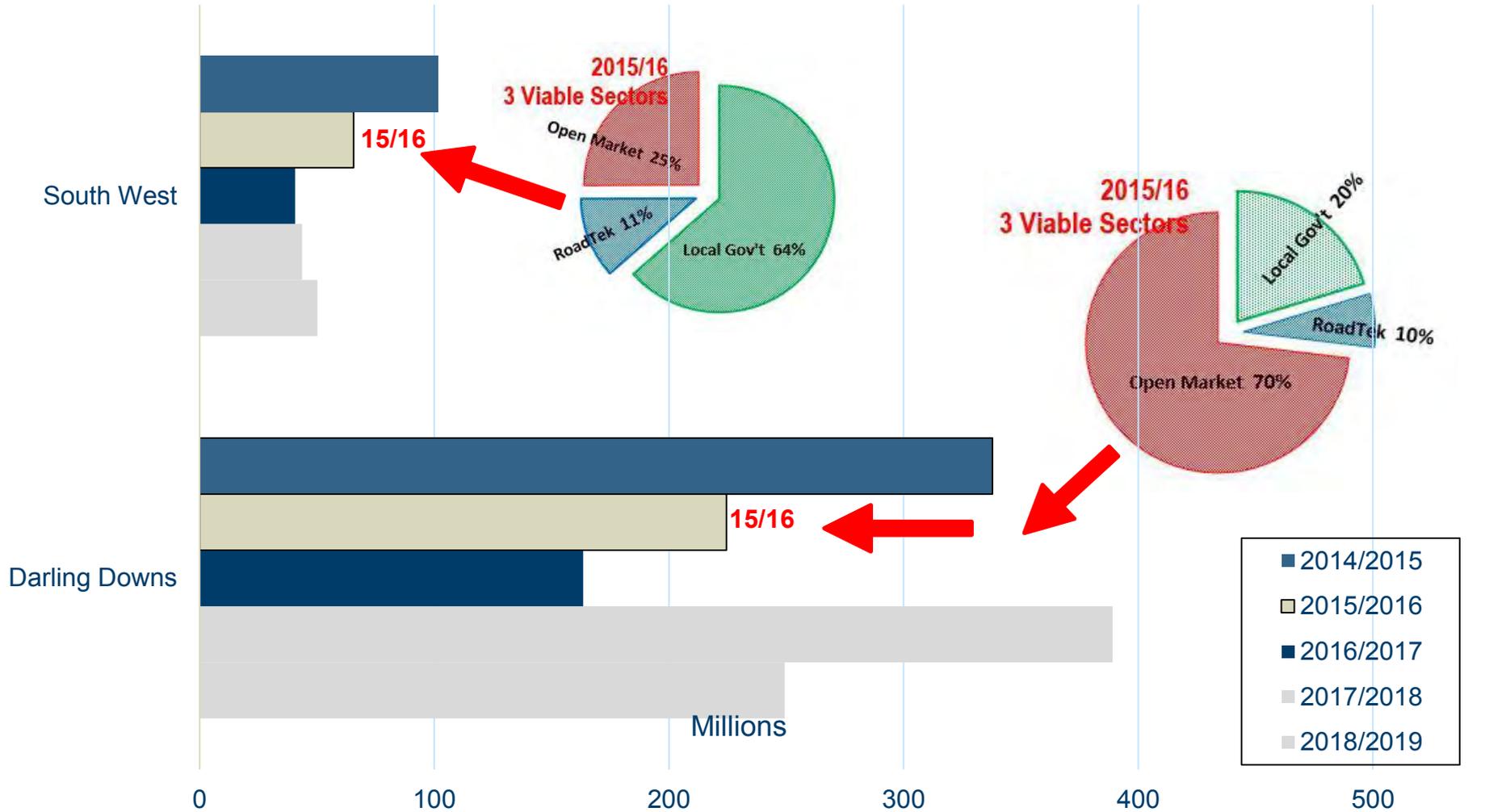
# Transport and Main Roads Regional Program Values



# Downs South West Region District program values

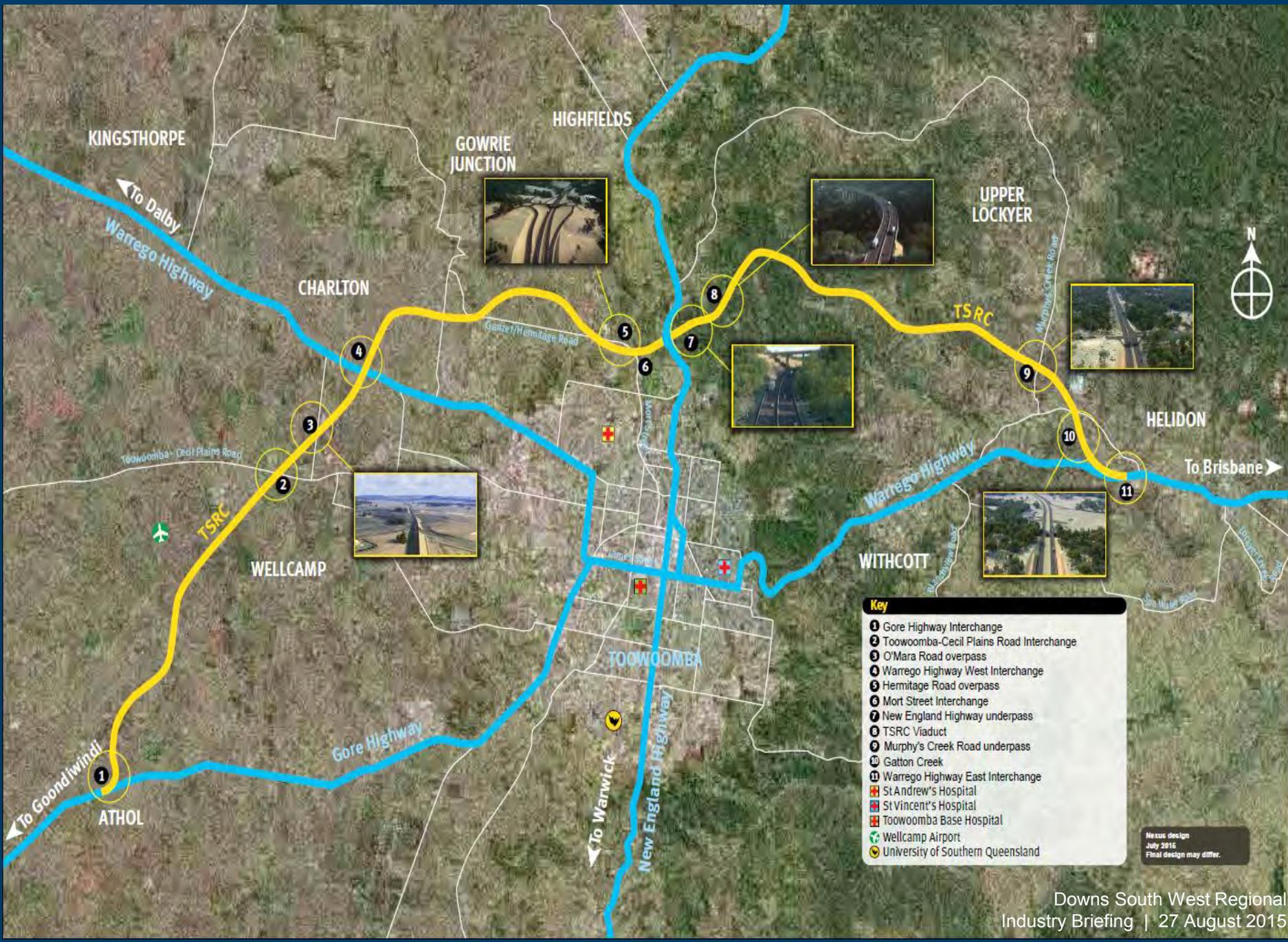


# Downs South West Region three viable sectors



# Toowoomba Second Range Crossing

## Opportunities for industry



**Key**

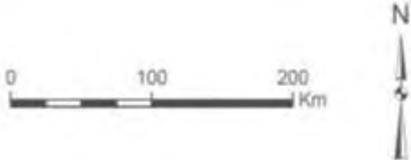
- 1 Gore Highway Interchange
- 2 Toowoomba-Cecil Plains Road Interchange
- 3 O'Mara Road overpass
- 4 Warrego Highway West Interchange
- 5 Hermitage Road overpass
- 6 Mort Street Interchange
- 7 New England Highway underpass
- 8 TSRC Viaduct
- 9 Murphy's Creek Road underpass
- 10 Gatton Creek
- 11 Warrego Highway East Interchange
- St Andrew's Hospital
- St Vincent's Hospital
- Toowoomba Base Hospital
- Wellcamp Airport
- University of Southern Queensland

Nexus design  
 July 2015  
 Final design may differ.

# Engagement with industry

- Recognise constrained market
- Recognise effort by consultants and contractors to understand Transport and Main Roads business
- Tender assessments using combination of price and non-price criteria
- Service local consultancies.

# Significant project locations



# Procurement processes

- **Engineering Consultancy – Planning and Design**
- Overview of Engineering Consultancy Scheme (**ECS**).
  
- **Construction Contract – Construction**
- Overview of Transport Infrastructure Contract – Construct Only (**TIC-CO**).

# Engineering Consultant Scheme (ECS)

- Industry awareness sessions have been held
- ‘One Government’ Engineering Consultant Scheme
- Used to select and engage consultants
- TMR will be using this process
- Offers will be issued via “Vendor Panel” mechanism
- Consultants for Engineering Projects
- Information on the **Housing and Public Works website**  
– *Procurement*
- **Enquiries:** [ECScheme@qld.gov.au](mailto:ECScheme@qld.gov.au).

# Transport Infrastructure Contract – Construct Only (TIC-CO)

- Replaces Road Construction Contract (RCC)
- Streamline a number of contracts
- Broader scope
- Changes include
  - Processes
  - Contract Structure
  - Conditions of Tender and Contract changes
- Information on the **Transport and Main Roads website** –  
*Technical Publications*
- **Enquiries:** [mr.techdocs@tmr.qld.gov.au](mailto:mr.techdocs@tmr.qld.gov.au).

# Concept Phase Planning

- Options Analysis and Business Case
- Project Management Services

# Downs South West Region

## Options Analysis & Business Case Development

Planning Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
<b>265/18B/11</b>	Warrego Highway (Toowoomba – Dalby) Stage 3: Duplicate to 4 lanes Kingsthorpe – Oakey (Options Analysis & Business Case)	Plan for the extension of 4 lanes between Kingsthorpe – Oakey.	Ch.19.1 – Ch.27.0km Kingsthorpe-Hayden Rd. – Oakey Connection Rd. (approx.)	Q3 July – Sept 2015	\$500,000	ECS (restricted)
<b>265/18B/910</b>	Warrego Highway (Toowoomba – Dalby) Charlton Bypass (Options Analysis)	Options for an alternative route, connecting Warrego Highway (west of Gowrie Mtn.) with 2 <sup>nd</sup> Range Crossing.	Ch.11.6 – Ch.18.5km Tw’ba 2 <sup>nd</sup> Range Crossing – Kingsthorpe turnoff (approx.)	Q4 Oct – Dec 2015	\$200,000	ECS (restricted)
<b>222/18C/10</b>	Warrego Highway (Dalby - Miles) Chinchilla Heavy Vehicle Route Strategy (Options Analysis & Business Case)	Investigate options for a strategy to manage HV movement through Chinchilla township, to ease growing congestion through town.	Ch.77.5km – Ch.83.5km Dawson Gate Rd. – Rocky Creek. (approx.)	Q4 Oct – Dec 2015	\$500,000	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Downs South West Region

## Options Analysis & Business Case Development

Planning Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
<b>265/D001/900</b>	New England Highway Geham – Drayton Connection Road (Options Analysis)	Investigate alignments options linking north Toowoomba – south Toowoomba. Recommend preferred option	North to south via western outskirts of Toowoomba	Q4 Oct – Dec 2015	\$300,000	ECS (restricted)
<b>262/22C/3</b>	New England Highway (Warwick- Wallangarra) Safety Upgrade Package (OA & Business Case)	- 1x overtaking lane - Widen & install WCLT - Intersection upgrades	Ch.27.0km. – Ch.79.0km Dalveen – Wallangarra (south of Warwick)	Q4 Oct – Dec 2015	\$60,000	ECS (restricted)
<b>265/22A/xx</b>	New England Highway (Yarraman–Toowoomba) Overtaking Lanes (2 off) (OA & Business Case)	- 2x overtaking lanes - Select locations - Prepare Business Case report	Ch.0.0km. – Ch.71.0km Yarraman – Crows Nest townships.	Q4 Oct – Dec 2015	\$150,000	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Downs South West Region

## Options Analysis & Business Case Development

Planning Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
265/C025/4	New England Highway (Yarraman–Toowoomba) Cycle Path (Bridge St. – Highfields) (OA & Business Case)	Investigate on-road and off-road alignments for a bikeway linking CBD with satellite community. Recommend preferred option.	Ch.104.8 – Ch.116.1km Cawdor Rd. - Bridge St. (approx.)	Q4 Oct – Dec 2015	\$300,000	ECS (restricted)
265/18A/901	Warrego Highway (Ipswich - Toowoomba) East Creek Culvert flood immunity (OA & Business Case)	Options for improved flood immunity of James Street at East Creek/ Kitchener Street Intersection.	Ch.93.2km – Ch.94.2km East Creek	Q1 Jan – March 2016	\$90,000	ECS (restricted)
262/17B/903	Cunningham & New England Highways Warwick Bypass Corridor (Options Analysis)	Investigate alignment options around Warwick City to define a corridor for future preservation.	North & western outskirts of Warwick City	Q2 April – June 2016	\$150,000	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Downs South West Region

## Project Management Services

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
Various	Various	Project manage multiple planning projects and the resources, to deliver Business Case documents.	Toowoomba & Roma Offices	Q3 July – Sept 2015	10mths duration (approx.)	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Detailed Design

## - Scheme Preparation

# Darling Downs District

## Detailed Design & Scheme Preparation

Design Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
<b>239/4144/2</b>	Gatton – Esk Road Widening & pavement rehabilitation (Stage 2).	Widen narrow seal & rehabilitate pavement. - upgrade rural intersections	Ch 0.0km – Ch.11.6km Roundabout – Kelly Rd. (in sections)	Q3 July - Sept 2015	\$200,000 (approx.)	ECS (restricted)
<b>265/D001/803</b>	Toowoomba – Cecil Plains Road Taylor Street A.C. pavement rehabilitation	Drawings and scheme documents for: Mill out distressed pavement & replace with a 2 layer A.C. pavement. (220-250mm deep)	Ch 1.2km – Ch.1.9km Greenwattle – McDougall Street	Q3 July - Sept 2015	\$50,000 (approx.)	ECS (restricted)
<b>265/18B/10</b>	Warrego Highway Intersection Upgrade (Sabine Road at Jondaryan)	Minor realignment of Warrego Highway to provide improved storage for trucks between OLC on Sabine Road.	Ch. 43.2km – Ch.44.0km Sabine Rd. at Jondaryan	Q4 Oct – Dec 2015	\$300,000 (approx.)	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Warrego Highway Intersection Upgrade

## Sabine Road Intersection at Jondaryan



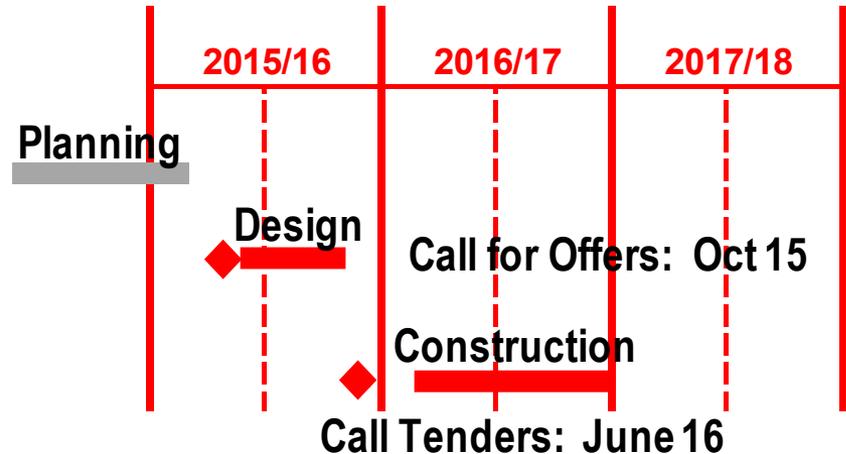
44km west of Toowoomba

# Scope and timetable

- 265/18B/10
- Project Scope
  - Realign Warrego Highway to the south, away from the railway line.
  - Reconstruct Sabine road intersection with Warrego to provide truck storage between rail crossing & highway.
- Timetable
  - Detailed design - October 2015
  - Construction - June 2016

## Timetable:

### 265/18B/10: Sabine Road Intersection



# Risks and delivery mechanism

## Risks

Traffic management due to:

- proximity to railway line
- proximity to Jondaryan township
- maintaining the highway open to traffic.

## Delivery mechanism

Transport Infrastructure Contract – Construct Only (**TIC-CO**)

Single stage tender process

## Procurement

Design – ECS (restricted)

Construction – Open Tender via “QTender” and “Works to Tender” document

# Darling Downs District

## Detailed Design & Scheme Preparation

Design Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
222/18C/6	Warrego Highway Chinchilla Rail Crossing Upgrade	Capacity improvements to Warrego Highway on approaches to in town signalised railway crossing.	Ch.80.3km – Ch.81.0km Short St. – Park St. in Chinchilla.	Q1 Jan – March 2016	\$400,000 (approx.)	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

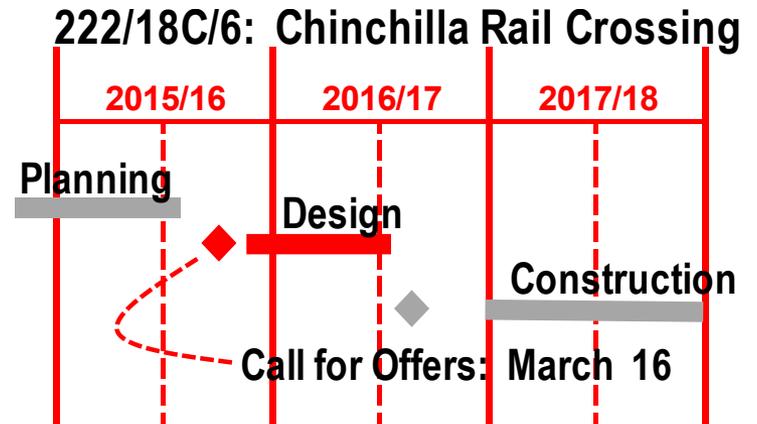
# Warrego Highway

## Chinchilla Rail Crossing Upgrade



# Scope and timetable

- 222/18C/6
- Project Scope
  - Capacity improvements to Warrego Highway on both approaches to the intown signalised railway crossing.
  - Upgrade intersections with the highway, within the approaches to the rail crossing, to optimise traffic flow between highway and side roads.
- Timetable
  - Detailed design – March 2016



# Risks and delivery mechanism

## Risks

Traffic management to:

- Maintain efficient through traffic flow on the national highway.
- Maintain efficient access to adjacent households, businesses and hospital.

Noise and disruption to local citizens.

## Procurement

Design – ECS (restricted)

# Darling Downs District

## Detailed Design & Scheme Preparation

Design Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
222/18C/7	Warrego Highway Oakey – Miles Safety Upgrade Packages	Prepare drawings & documentation for packages of safety treatments. - widenings & WCLT. - intersection upgrades - verge treatments	Warrego Highway (18B & 18C) (Oakey – Miles) - various locations	Q2 April – June 2016	\$300,000 (approx.)	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Construction Projects

- Open Market Tender
- Contract Management Services

# Darling Downs District

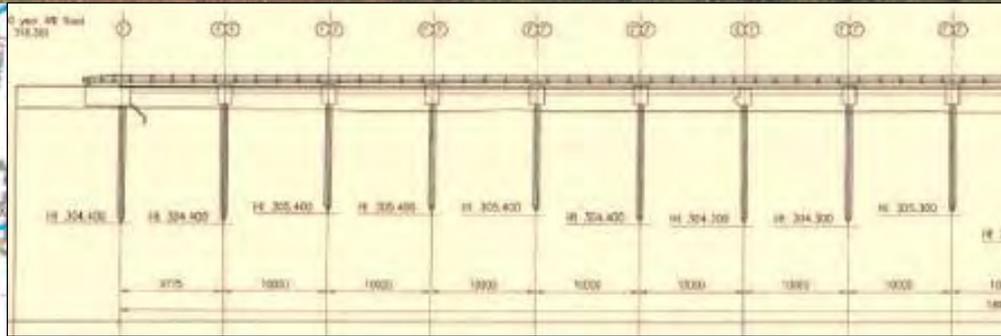
## Construction

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$m)	Procurement method & Notes
<b>222/340/3</b>	Dalby – Kogan Road Widening South of Macalister	Widen narrow seal to 9.0m (in sections)	Ch.11.5km – Ch.47.3km Condamine River – Kogan township (in sections)	Q3 July – Sept 2015	\$2.0m	TIC-CO
<b>222/18C/5</b>	Warrego Highway (Dalby – Miles) Jingi Jingi Creek Bridge & Approaches	Construct concrete bridge & approaches	Ch.52.5km – Ch.54.0km (53km west of Dalby)	Q4 Oct – Dec 2015	\$20.0m	TIC-CO

# : Approximate quarter to be called based on calendar years 2015 and 2016.

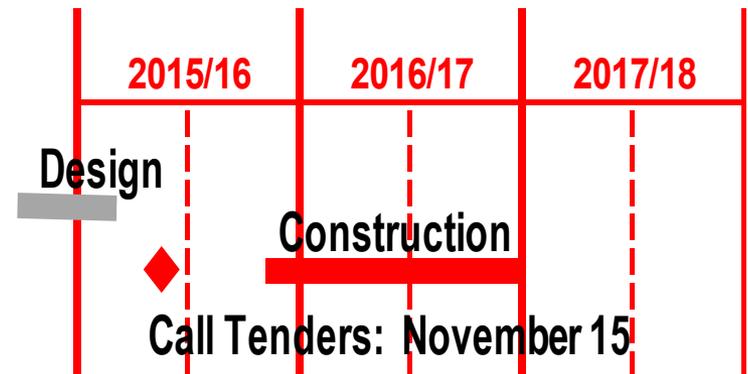
# Warrego Highway (Dalby – Miles)

## Jingi Jingi Creek



# Scope and timetable

- 222/18C/5
- Project Scope
  - 17x 10.0m (170m) span; prestressed, deck unit bridge.
  - Offset to southern side of existing highway (close).
  - Reconstruct road approaches & road furniture.
- Timetable
  - Construction – November 2015



# Risks and delivery mechanism

## Risks

Traffic management options:

- Option 1: via sidetrack.
- Option 2: utilise existing culverts (progressive dismantling)

Safety – proximity of through traffic to the worksite

Geotechnical – deep blacksoil

## Delivery mechanism

Transport Infrastructure Contract – Construct Only (**TIC-CO**)

Single stage tender process

## Prequalification level

B 2; R 2; F25

## Procurement

Open Tender via “QTender” and “Works to Tender” document

# Darling Downs District

## Construction

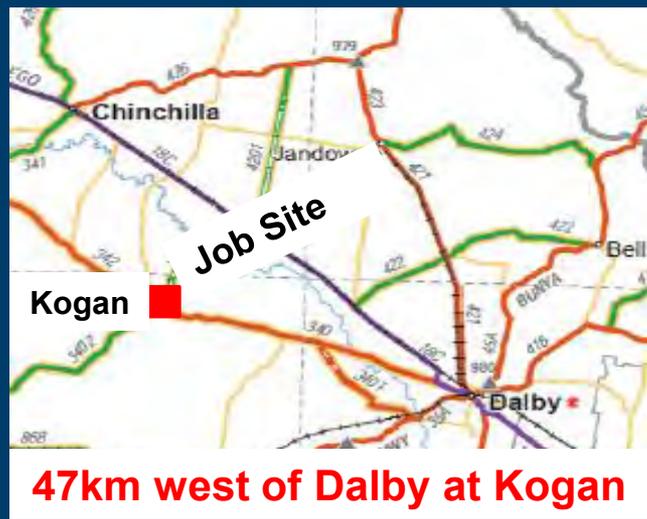
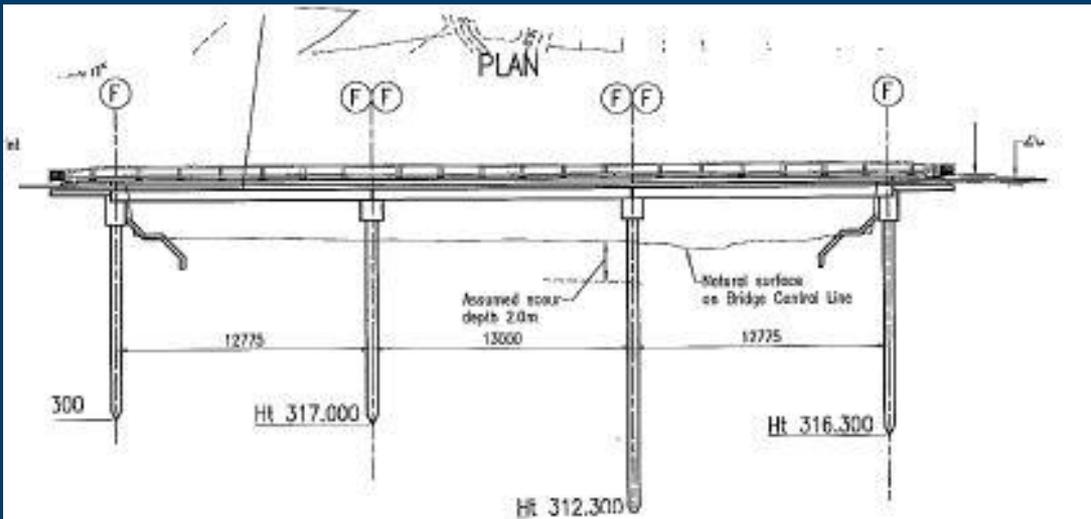
Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$m)	Procurement method & Notes
222/340/5	Dalby – Kogan Road Kogan Creek Bridge & Approaches	Construct concrete bridge & approaches	Ch.47.3 – Ch.47.6km. Eastern outskirts of Kogan township	Q4 Oct – Dec 2015	\$4.0m	TIC-CO

# : Approximate quarter to be called based on calendar years 2015 and 2016.

**Dalby – Kogan Road**

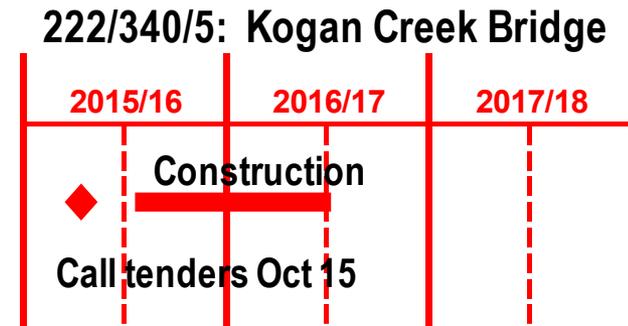
**Kogan Creek Bridge**





# Scope and timetable

- 222/340/5
- Project Scope
  - Three span prestressed concrete; deck unit bridge.
  - On existing horiz & vertical alignment
  - Reconstruct road approaches & road furniture.
  - Existing side-track in place (needs work)
- Timetable
  - Construction – October 2015



# Risks and delivery mechanism

## Risks

Traffic management via sidetrack

Safety – proximity of through traffic to the worksite

## Delivery mechanism

Transport Infrastructure Contract – Construct Only (TIC-CO)

Single stage tender process

## Prequalification level

B 2; R 2: F 5

## Procurement

Construction – Open Tender via “QTender” and “Works to Tender” document

# Darling Downs District

## Construction

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$m)	Procurement method & Notes
<b>265/18B/9</b>	Warrego Highway Overtaking Lanes (Oakey - Dalby)	Construct Overtaking Lanes (east & west) at 4 sites.	4 sites between Jondaryan and Dalby.	Q2 April – June 2016	\$35m	TIC-CO
<b>265/18B/10</b>	Warrego Highway Intersection Upgrade (Sabine Road at Jondaryan)	Construct Intersection	Ch 43.2km – Ch.44.0km Sabine Rd. at Jondaryan	Q2 April – June 2016	\$4m	TIC-CO

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Warrego Highway Intersection Upgrade

## Sabine Road Intersection at Jondaryan



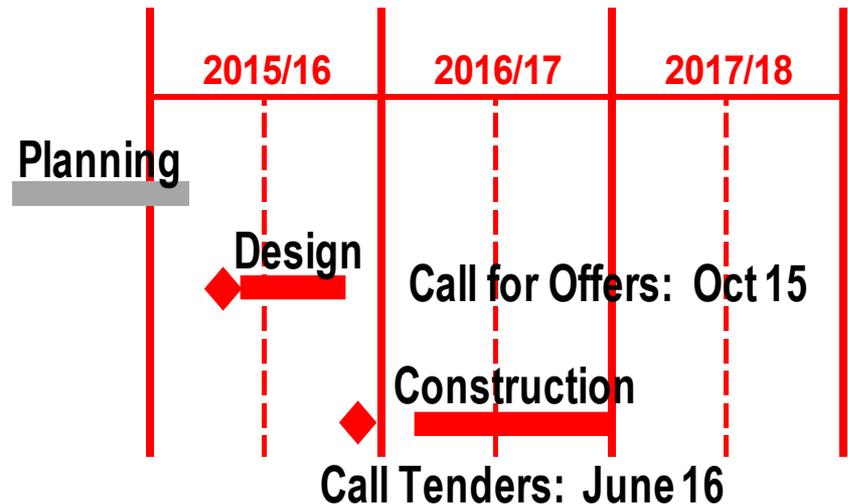
44km west of Toowoomba

# Scope and timetable

- 265/18B/10
- Project Scope
  - Realign Warrego Highway to the south, away from the railway line.
  - Reconstruct Sabine road intersection with Warrego to provide truck storage between rail crossing & highway.
- Timetable
  - Detailed design - October 2015
  - Construction - June 2016

## Timetable:

### 265/18B/10: Sabine Road Intersection



# Risks and delivery mechanism

## Risks

Traffic management due to:

- proximity to railway line
- proximity to Jondaryan township
- maintaining the highway open to traffic.

## Delivery mechanism

Transport Infrastructure Contract – Construct Only (TIC-CO)

Single stage tender process

## Prequalification level

R 2; F 10

## Procurement

Design – ECS (restricted)

Construction – Open Tender via “QTender” and “Works to Tender” document

# Darling Downs District

## Contract Management Services

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract Duration	Procurement method & Notes
222/18C/4	Warrego Highway (Dalby – Miles) Brigalow – Chinchilla Upgrade	Overview & supervision on behalf of TMR as the Principal. 1x Site Engineer 1x Superintendant 1x Inspector	Ch.66.2km – Ch.77.5km (eastern approach to Chinchilla)	Q3 July – Sept 2015	10mths duration (approx.)	ECS (restricted)

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Darling Downs District

## Reseal Program (bitumen spraying & asphalt)

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
222/35A/707 222/86A/703 262/17C/704 265/22B/709	<b>OSCR network Variable spray</b>	- traffic control - supply&spray binder. - supply&spread aggreg	Various locations in Darling Downs district	Q3 July – Sept 2015	\$7.0m (approx.)	Minor Works
239/18A/701	<b>NH network Variable spray</b>	- traffic control - supply&spray binder. - supply&spread aggreg	Warrego Highway Various sections within Lockyer Valley area	Q4 Oct - Dec 2015	\$2.2 m (approx.)	Minor Works
222/45A/704	<b>Asphalt – Dalby</b>	- traffic control - supply&place AC.	Bunya Highway Various sections within Western Downs area	Q4 Oct - Dec 2015	\$1.1m (approx.)	Minor Works
265/18B/7xx	<b>Asphalt – Toowoomba</b>	- traffic control - supply&place AC.	Warrego Highway Various sections within Toowoomba area	Q4 Oct - Dec 2015	\$1.9m (approx.)	Minor Works
265/D001/803	Toowoomba – Cecil Plains Road <b>Taylor Street A.C. pavement rehab.</b>	Mill out & replace with a 2 layer A.C. pavement. (220-250mm deep)	Ch 1.2km – Ch.1.9km Greenwattle – McDougall Street.	Q4 Oct - Dec 2015	\$400,000 (approx.)	Minor Works
239/18A/7yy	Warrego Highway <b>Asphalt – Laidley</b>	- traffic control - supply&place AC.	Warrego Highway Various sections within Lockyer Valley area	Q1 Jan - March 2016	\$1.1m (approx.)	Minor Works

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# South West District

## Reseal Program (bitumen spraying & asphalt)

Project	Project Name	Description & Scope	Location	Approx. quarter to be called #	Approx. contract value (\$)	Procurement method & Notes
Various	OSCR network <b>Western Contract</b>	- traffic control - supply&spray binder. - supply&spread aggreg	Quilpie Shire Bulloo Shire Paroo Shire Murweh Shire	Q3 July – Sept 2015	\$3.1m (approx.)	Minor Works
Various	OSCR & National networks <b>Eastern Contract</b>	- traffic control - supply&spray binder. - supply&spread aggre	Maranoa Shire Balonne Shire	Q4 Oct - Dec 2015	\$2.4m (approx.)	Minor Works

# : Approximate quarter to be called based on calendar years 2015 and 2016.

# Questions?

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# Thank you

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