Logan Enhancement Project
Fauna connectivity improvements

Andrew Baker – Project Director, Transurban Queensland
Richard Pidgeon – Technical Director, Aurecon
About Transurban Queensland

Transurban Queensland operates and maintains the **go via network** which includes:

- Gateway Motorway
- Logan Motorway
- Clem7
- Go Between Bridge
- Legacy Way
- AirportLinkM7
About the Logan Enhancement Project

First market-led proposal approved in Queensland

- $512 million upgrade of the Logan and Gateway Extension motorways
- First Market-Led Proposal to be approved in Queensland
- Transurban Queensland financed
- D&C Contractor – CPB Contractors Pty Ltd
- Environment and Planning Technical Advisors - Aurecon
- Major construction commenced mid-2017 and scheduled for completion in mid-2019
- Importantly, genuine early consultation and inclusion of environmental community groups in development of design solutions from reference to detailed design.

From Left: Minister for Main Roads – Hon Mark Bailey, Treasurer – Hon Curtis Pitt, TQ GGM – Wes Ballantine
Benefits
Safer liveable communities, jobs and economic growth

- 1,300 direct construction jobs
- New fauna crossings
- 59% decrease in accidents equals safer roads
- New community space at Heathwood
- Less travel times equals increased trip reliability
- Less traffic on local streets
- $1.3 billion in total economic benefits
- Community connectivity for cyclists and pedestrians
About the Logan Enhancement Project

The design
Environmental Context

- Directly south of the trailblazing and well studied Compton Road habitat linking overpass and underpass.
- Located within a significant ecological corridor traversing from west to east across three council districts.
- Urban sprawl, regional population growth and light industry/commercial growth (and transport requirements) are placing further importance on the existing habitat linkages and protection.
- Existing long-established Logan Motorway and Gateway Extension Motorway corridors.
- Project deemed Not a Controlled Action under EPBC Act.
- Offsets required for Koala pursuant to Queensland State Legislation.
Environmental outcomes

- Located within the QLD Government’s designated ecological and conservation corridor The Flinders, Greenbank to Karawatha Corridor.
- Environmental Reference Group (ERG) directly contributed in collaboration with design and construction elements of the project.
- Environmental outcomes
  - Compton Road ramps fauna underpass and fauna fencing
  - Scrubby Creek bridge dry animal access, fauna refuge poles and glider rope bridge
  - Illaween Street fauna overpass, fauna refuge poles, tree planting to encourage fauna movements, glider rope bridge
  - Wembley Road fish/aquatic fauna passageways
  - Logan Motorway and Beaudesert Road fauna underpasses, koala refuge and climbing poles, planting to encourage fauna movements.
What worked

- Being proactive from concept design phase ensuring a collaborative, multi-disciplinary approach from the outset, combining traditional engineering solutions, environmental science and leading expertise in transportation ecology to create cost effective solutions and best practice environmental design.

- In addition to engaging with Commonwealth, State and Local Governments, the LEP established an Environmental Reference Group (ERG) who brought local expertise and knowledge when it was needed the most; during planning and design, and delivered it to the people it impacted the most; the designers and construction contractors.

- By taking the approach that the LEP has, it demonstrated that better outcomes are achieved when a project is given permission to evolve. The result is a design that minimises impacts and contributes to improved ecological connectivity and permeability.

What could be improved

- Convincing governments to be more flexible with regards to offsetting when projects provide a net benefit to environments and ecological communities.

- Research into the value of connective infrastructure for fauna species for potential changes to standard designs and methodology shifts.

- Industry developing incentives for projects to continue to collaborate and involve community reference groups in developing environmental solutions.
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