

# Bonville Upgrade

## Design and Construction Activities

# Project Outline

- Design and Construction, and 10 year Maintenance of the Bonville Upgrade Project awarded to Abigroup Contractors on the 24<sup>th</sup> May 2006.
- Client – Roads and Traffic Authority
- Construction phase completion date – 16<sup>th</sup> September 2008.

- 9.8km of separated dual carriageway
- 8.6km of new service roads and upgrades to local roads
- Two new grade separated interchanges at Mailmans Track and Archville Station Road
- Upgrades and overpasses to local roads at East Bonville Rd, Bonville Station Rd and Williams Rd
- 19 bridges including twin bridges over Pine Ck, Reedys Ck and Bonville Ck
- New heavy vehicle inspection bay on the Northbound carriageway.

- A 60m wide fauna overpass inside the former Pine Ck State Forest Area. Three designated fauna underpasses as well as provisions for fauna at some bridge locations.
- Approximately 30 on site drainage basins, some of which are converted to wetland after the construction phase.
- Posted speed limit to be 100km/hr for the highway and 80km/hr for the service road.
- Cycle access for full length of the Upgrade
- Noise walls and earth mounds to be constructed for noise attenuation.

# Facts and Figures

- One million m<sup>3</sup> of earthworks
- 19 bridges – total of 1.2km length. Longest bridge at Bonville Ck at 165m.
- 110,000m<sup>3</sup> of concrete pavement.
- 25,000m<sup>3</sup> of concrete in the bridges and other drainage structures.
- 3 km of noise walls
- 19 km of drainage pipes
- 200,000 tonnes of aggregates and sand
- Tens of thousand trees and shrubs to be planted.

- Approximately 60 engineers, foreman, and support staff on site.
- Approximately 80 wages personnel plus various subcontractors and suppliers.

# What is Going on Now?

- Preparation and submission of environmental and construction plans to the RTA, DoP, DNR, DEC (NPWS & EPA), DPI (Fisheries & Forests), Coffs Harbour City Council and Bellingen Shire Council.
- Design is well underway. 40 Design packages in total and design work has commenced on 30.
- Geotechnical investigations to assist earthworks and bridge piling designs
- Survey for hydrological modeling and alignment design.
- Site offices along Bonville Station Rd to be set up during September.
- Construction expected to start during October depending on environmental approvals and licences.

# QUESTIONS?