

# CONSTRUCTION update



WEEK COMMENCING 23 January 2012

## WHAT'S new...

### LANDSCAPING ACROSS THE PROJECT

With less than six months to go on Australia's largest infrastructure project, work is currently focused on fitting out the tunnels and connecting them to the existing road network, while also providing improved pedestrian connectivity with extensive new pathways and landscaping.

Thirteen kilometres of new and upgraded cycle and pathways are being delivered as part of the project, and more than three hectares of new parkland will be provided to the community at completion.

At Toombul the focus has turned to the rehabilitation of Kalinga Park. The massive acoustic shed built for the Airport Link's Tunnel Boring Machine is being dismantled. Kalinga Park will be reinstated on both sides of the North Coast Railway Line with more than 19,500 square metres of additional parkland and pathways created and 118,000 new trees and plants.

In Kedron, 142,000 trees, plants and shrubs will be planted and more than 5,000 square metres of turf will be laid along the banks of Kedron Brook and the primary road corridors in the area.

At Bowen Hills, a new hill-top park is taking shape featuring a public open space for locals and visitors to enjoy, complete with a BBQ, picnic tables, shelters and 115,000 new trees and plants. Nearby Mann Park will also be upgraded with a new playground installed toward Breakfast Creek. Pedestrians and cyclists will also have 1.75kms of new shared pathways.



**Top:** Demobilisation of the Toombul acoustic shed

**Middle:** Beginning of landscaping along Kedron Brook

**Bottom:** Landscaping of hill-top park at Bowen Hills

# BOWEN HILLS UPDATE

## NEW WORK

- Landscaping and painting of the new Gallway Street noise wall

## ONGOING WORK

- Landscaping of the hill-top park, including installation of trees, plants, path lighting and painting of the concrete retaining walls
- Landscaping of the Mann Park playground
- Installation of lighting, gantry signs and median barriers on the Airport Link bridge connections
- 24-hour tunnelling activities from the tunnel portal site, including mechanical and electrical fit-out and commissioning of tunnel support facilities
- Filling of the fire deluge tanks between 12am and 4am and testing of fire safety systems in the tunnel
- Minor footpath reinstatement and services installation work on Lutwyche Road, between Butterfield Street and Newmarket Road
- Flood mitigation work along the edge of Enoggera Creek including excavation, earthwork, minor rock hammering and landscaping
- Signage installation and raising of sewer manhole around the Mayne Road, Hamilton Place and Campbell Street area
- Landscaping of Campbell Street near the Airport Link bridge connections
- Landscaping around the Federation Street busway stop site
- Drainage installation, line marking and work on permanent noise barriers on the Inner City Bypass (ICB)
- Temporary ICB and CLEM7 lane and ramp closures, as required
- Temporary lane closures on Lutwyche Road, with traffic control as required

## UPCOMING WORK

- Road resurfacing in local streets around the tunnel portal site
- Installation of an Air Quality Monitoring Station in parkland between Cartwright Street and Bryden Street



**Top:** Signage installation in northbound tunnel

**Middle:** Viewing platform along Enoggera Creek

**Lower:** Concrete retaining walls for hill-top park

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# WINDSOR LUTWYCHE UPDATE

## NEW WORK

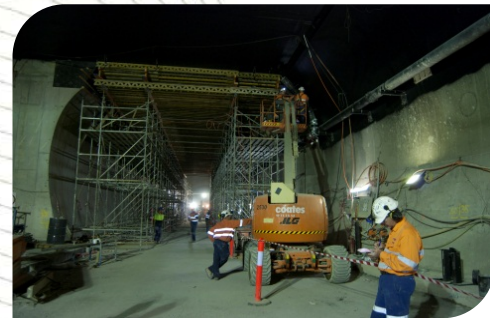
- Footpath reinstatement on Lutwyche Road between High and Stoneleigh Streets
- Construction of the Perry Street noise wall
- Installation of panels on the busway portal

## ONGOING WORK

- Mechanical and electrical fit-out of the Northern Busway tunnel
- Mechanical and electrical fit-out from the Truro Street site for the Airport Link mainline tunnels
- Smoke duct work from the Truro Street site for the Airport Link northbound off-ramp and southbound on-ramp
- Pre-cast panel installation and service installation at the Lutwyche busway station plaza
- Construction of the inbound and outbound bus platforms at the Lutwyche busway station
- Concrete and drainage work at the Lutwyche busway station
- Drainage work within Quarry Park
- Construction of the Perry Street extension
- Work along Lutwyche Road from High Street to Albion Road including kerbing work, traffic signal upgrades, drainage installations and concreting
- Bonython Street water services work
- Footpath reinstatement work on Truro Street and Lutwyche Road between Harris and Thorne Streets
- Service installation on Lutwyche Road between Bradshaw and Thistle Streets
- Installation of fencing within the Lutwyche busway station plaza
- Final pavement overlay on Lutwyche Road between Constitution Road and Fuller Street
- Asphaltting of Truro Street bus lanes

## UPCOMING WORK

- Back-fill of the Truro Street mainline tunnel decline
- Milling of the Lutwyche Road and Bradshaw Street intersection
- Installation of fencing at the rear of the Windsor State School bus stop
- Installation of signals at the Fosbery Street junction for emergency services



**Top:** New bus stop on Lutwyche Road near Windsor State School

**Middle:** Construction of smoke ducts in the northbound tunnel

**Lower Middle:** Bonython Street works

**Lower:** Construction of road base at Lutwyche busway station

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# KEDRON UPDATE

## NEW WORK

- Clarence Road drainage work
- Landscaping on Gympie Road between Cremorne and Howell Streets

## ONGOING WORK

- Electrical service relocation work on Gympie Road
- Installation of drainage and painting on the Stafford/Gympie Road flyovers
- Construction of the Ventilation Station Outlet (VSO) within the Kedron Central site
- 24-hour tunnelling work from the Kedron Central site
- Work on Stafford Road to install sewer infrastructure
- Gympie Road widening work between Broughton and Cremorne Roads
- Services installation at the Kedron Brook busway station
- Lutwyche Road drainage work, street lighting and line marking
- Installation of hand-rails and parapets across Kedron Brook for the Northern Busway bridge
- Landscaping work along Kedron Brook, including installation of riffles
- Back-fill of the Airport Link off-ramp behind the Kedron Park Hotel
- Stafford Road widening work ongoing, including temporary closure of Figgis Street and Bradley Avenue and partial closure of Glenfern Avenue
- Footpath reinstatement on Stafford and Gympie Roads
- Temporary closure of Leckie Road from Gympie Road to install concrete wall units
- Telecommunication service relocation work on Gympie Road

## UPCOMING WORK

- Service installation work on Somerset Road
- Stafford Road widening work ongoing, the next stage is down the centre of Stafford Road from Rose Lane to Bradley Avenue
- Gympie Road widening work ongoing, the next stage is down the centre of Gympie Road between Broughton and Cremorne Roads
- Installation of new bus shelters on Gympie Road
- Installation of Super T beams for the Gympie Road flyover
- Final overlay of the Gympie/Stafford Road flyover
- Final overlay of the Northern Busway bridge



**Top:** Aerial view of Kedron precinct

**Middle:** Construction of Kedron Brook busway station

**Middle lower:** Back-filling of the Kedron tunnel access shaft

**Lower:** Construction of the eastbound on-ramp

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# WOOLOOWIN UPDATE

## NEW WORK

- Placement of temporary fencing and removal of the acoustic noise barrier including planter boxes
- Footpath diversions and detours during noise barrier removal
- Removal of demolished concrete
- Installation of roadway barriers within the tunnels

## ONGOING WORK

- Construction of road pavement in the Airport Link tunnels
- Mechanical and electrical fit-out and painting of tunnels
- Mechanical and electrical fit-out of cross passages
- Mechanical and electrical fit-out of substation
- Construction of smoke duct

## UPCOMING WORK

- Demolition of the Energex substation



**Top:** Aerial view of the Wooloowin worksite

**Lower:** Removal of the concrete hard-stand

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# TOOMBUL UPDATE

## NEW WORK

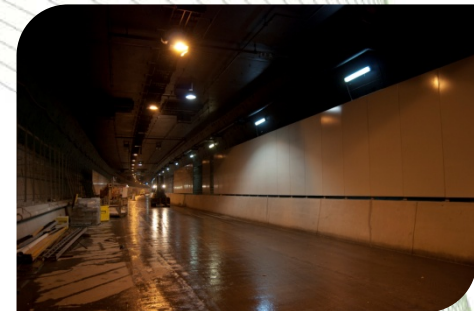
- Installation of gantry posts and gas service along Sandgate Road
- Demobilisation of tower crane, including demolition of footings
- QUU water connection at Sandgate Road in front of substation
- Realignment of the Lewis Street drain at North Coast Railway
- Closure of construction access beneath North Coast Railway
- Flood mitigation work within Schulz Canal

## ONGOING WORK

- Demolition of flood walls and concrete hardstand within Kalinga Park West worksite
- Steel fixing, formwork, concreting and waterproofing of cut and cover tunnel roof slabs
- Construction of tunnel road barriers and drainage within the cut and cover tunnels
- Mechanical and electrical fit-out of the Ventilation Station, electrical substation and Fire Deluge System
- Construction of drainage pit within Kalinga Park East worksite
- Installation of conduits throughout Kalinga Park
- Gas installation along the western side of Sandgate Road
- Construction of a flood wall along the western side of Sandgate Road, north of the East West Arterial Road intersection
- Installation of signage posts along Sandgate Road
- Removal of the acoustic shed in the Kalinga Park West worksite
- Installation of architectural panels at the tunnel portal
- Construction of Air Quality Monitoring Station on private property next to Eagle Junction Creek
- Installation of gantry and sign posts along East West Arterial Road and Sandgate Road
- Installation of living green wall baskets
- BMX track upgrade

## UPCOMING WORK

- Demolition of floodwalls at Kalinga Park East worksite
- Removal of temporary noise barrier and construction of permanent noise barrier from Alma Road to the substation
- Installation of services along the western side of Widdop Street, to the Widdop Street off-ramp
- Fire deluge facility drainage and landscaping work
- Realignment of Wongara Street cul-de-sac and installation of a guard rail
- East West Arterial Road underpass asphaltting, line marking and lighting installation
- Painting of the Ventilation Station Outlet
- Sandgate Road footpath work
- Divert Stuckey Road drain to permanent alignment
- Commissioning of the Ventilation Station



**Top:** Aerial view of Toombul precinct

**Middle:** Foot bridge over Schulz Canal

**Middle lower:** Installation of architectural panels in TBM tunnel

**Lower:** Roof beams installed for cut and cover tunnel

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