

Chapter 5 Project Description

“A new access road between the Burnt Bridge Creek Deviation and Sydney Road at Balgowlah, providing direct connectivity to Beaches Link from key catchments along Sydney Road east and west, improving local network performance and providing direct local access to the new and improved open space and recreation facilities at Balgowlah - Page5-3”

How can the description of key catchment be defined for the small number of vehicles that might use the new access road.

“The following surface connections and road works would be provided at the Burnt Bridge Creek Deviation at Balgowlah:

- Upgrade and integration work along and around Burnt Bridge Creek Deviation and Sydney Road
- A new access road between the Burnt Bridge Creek Deviation and Sydney Road at Balgowlah, to provide access to the Beaches Link and to the new and improved open space and recreation facilities
- A connection from the eastbound ramp tunnel to Burnt Bridge Creek Deviation would provide access on to northbound Condamine Street, and to eastbound Sydney Road (via the new access road)
- A connection from southbound Burnt Bridge Creek Deviation to the westbound ramp tunnel would provide access from southbound Condamine Street, and from westbound Sydney Road (via the new access road).- Page 5.4

The connection to Sydney road should be via the existing intersection of Condamine street and Sydney Road

Burnt Bridge Creek Deviation, Balgowlah. Ventilation tunnels would connect the eastbound ramp tunnels to the ventilation outlet at Burnt Bridge Creek Deviation at Balgowlah

The ventilation out let should be created over the cut and fill and bridge the road to the east into the Dudley Street acquisition area

The posted speed limit on the mainline tunnels would be 80 km/h.

On and off ramps would allow for one or two lanes of traffic, depending on location (refer to Section 5.2.5). The posted speed limit for on and off ramps will vary along their length to match the surface connection they will integrate with to enter and exit the mainline tunnel.

Surface road works at Balgowlah

Surface road works would be required along and around the Burnt Bridge Creek Deviation, Manly Road and Sydney Road at Balgowlah, North Balgowlah and Seaforth to connect and integrate the project with the surrounding road network. The surface road works would include:

- Realignment and widening of the Burnt Bridge Creek Deviation including cut and cover and trough works east of Hope Street
- Localised adjustment of a small section of Burnt Bridge Creek for road widening and extension of the existing culvert and provision of scour protection This is not a localised adjustment but a destruction of the existing creek and creation of a storm water Canal . You will destroy the habitate of the eastern watern lizards that live in the bank and and the destruction of the habitate of many different types of bird bird life
- A new access road which would:
 - Provide connectivity to new car parking facilities at Balgowlah for the new and improved

open space and recreation facilities. Does this mean there is no parking on the proposed access road , if that is the case you will force users into the adjoining residential streets.

- Provide connectivity from the Beaches Link tunnel to and from Sydney Road via a new traffic light intersection on the Burnt Bridge Creek Deviation to a new traffic light intersection at Sydney Road/Maretimo Street Two sets of lights and a pedestrian crossing within 300 metres?.

- Minor changes to local roads, including intersection works at Maretimo Street, and localised traffic calming measures, as required
- Retaining walls to support cut rock faces and retain fill embankments
- Relocation of existing utilities impacted by the project at various locations where surface works are required (refer to Section 5.2.9)
- Local access for motorway facilities
- A new cul-de-sac on Dudley Street to align with the new and improved open space and recreation facilities.

Details of the surface road works are summarised in Table 5-7 and shown in Figure 5-21. An indicative cross-section through the Burnt Bridge Creek Deviation and the ramp trough structures

is shown in Figure 5-22.

Table 5-7 Surface road works at Balgowlah, North Balgowlah and Seaforth

5-31v **Realignment and widening of the Burnt Bridge Creek Deviation**

The Burnt Bridge Creek Deviation would be realigned and widened to allow connection of the ramp tunnels with the surface road network, including:

- Surface road works from Sydney Road to around the existing Kitchener Street bridge to reconfigure Burnt Bridge Creek Deviation to integrate with the new Beaches Link tunnel connection
- A new traffic light intersection on Burnt Bridge Creek Deviation at the end of the current configuration of Dudley Street to connect to a new access road through to Sydney Road (see following section in this table for further information on the new access road)
- A two lane ramp from the northbound mainline tunnel, widening to four lanes at the surface to provide two free flow lanes for northbound through traffic on the Burnt Bridge Creek Deviation and two right turning traffic lanes into the new access road
- Provision of two lanes connecting Burnt Bridge Creek Deviation southbound to the westbound ramp tunnel

Realignment of the Burnt Bridge Creek Deviation (east of Hope Street) around the Beaches Link trough structure to maintain a variable single/twin traffic lanes and single bus lane in each direction following completion of construction. This would require widening of the existing Burnt Bridge Creek Deviation corridor, mainly to the east of the existing alignment in the area of the existing Dudley Street

- Median reconstruction, asphalt resurfacing and linemarking works to incorporate adjacent Burnt Bridge Creek Deviation widening works at the intersection of Sydney Road, Burnt Bridge Creek Deviation and Manly Road and further north along Burnt Bridge Creek Deviation.

New access road

A new access road would be constructed at Balgowlah to connect the Burnt Bridge Creek Deviation with Sydney Road. The new access road would allow traffic from the ramp tunnel to access Sydney Road and travel to and from Manly, Balgowlah, North Balgowlah and Seaforth to access Beaches Link. The new road would also provide access for users of the new and improved open space and recreation facilities at Balgowlah. The new access road would include:

- Mostly two traffic lanes in each direction, with a posted speed limit of

up to 60 km/h

- New traffic light intersections at the Burnt Bridge Creek Deviation at the end of the current configuration of Dudley Street and at Sydney Road at the intersection of Maretimo Street
- Widening of Sydney Road at the new intersection between the new access road, Sydney Road and Maretimo Street to allow for turning lanes and maintenance of through traffic lanes on Sydney Road. There would be no access between the new access road and Maretimo Street
- A driveway off the new access road to access the motorway facilities
- A new car park off the access road to provide parking for users of the new open space and recreation facilities
- Pedestrian and cyclist facilities along and across the new access road (refer to Section 5.2.8).

Localised adjustment of Burnt Bridge Creek 5.32

Due to the widening of the Burnt Bridge Creek Deviation, Burnt Bridge Creek would require localised adjustment to facilitate an extension of the existing box culvert crossing of Burnt Bridge Creek Deviation. Scour protection would also be required at the outlet of the extended culvert. It should be noted that the waterway was previously realigned during construction of Burnt Bridge Creek Deviation in 1982. The localised adjustment would be carried out within the previously modified section of Burnt Bridge Creek. **This is the destruction of the creek and moving it 50 metres at least to the East. This in effect converts the creek to a drain . The existing creek has not been disturbed on the eastern bank for over 50 years. The proposal completes the destruction of the habitate the Transport did in the 80's to the western bank.**



Legend

Tunnels

- Beaches Link driven tunnel
- Surface connection
- Cut and cover

Surface features

- Surface road
- Bus lane
- Pedestrian / active transport links
- New open space and recreation facilities (subject to further consultation)
- Trough structure

Operational infrastructure

- Ventilation outlet
- Ventilation tunnel
- Operational facilities and ancillary infrastructure
- Permanent water quality basin

Existing infrastructure

- Existing noise barrier

A new access road between the Burnt Bridge Creek Deviation and Sydney Road at Balgowlah, to provide access to the Beaches Link and the new and improved open space and recreation facilities at Balgowlah

The open space area is not new . It has existed for 100 years . 95 years as a public golf course.

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If the tunnels become congested, or in instances of reduced traffic speeds, jet fans would be used to maintain air flow and acceptable in-tunnel air quality.

The traffic design of having a set of lights at the exit of the tunnel creates a road blockage to slow or stop the traffic which will hence affect the air flow and the tunnel air quality

The final layout of the new and improved open space and recreation facilities at Balgowlah, including shared user paths, are subject to further consultation with Northern Beaches Council and the community.

Ventilation exit portals and discharged into the atmosphere via the ventilation outlets. This ventilation method delivers and disperses tunnel air high into the atmosphere and avoids impact to ambient air quality around the tunnel portals. The primary motive force for airflow through the tunnel is the vehicle piston effect, which can be supplemented by jet fan operation, typically at lower average traffic speeds, if required

This is not supported by the design of having traffic stopped and banked back at the tunnel exit because of the traffic lights to turn right. . This exit should be 2 kms down the road at the existing intersection of Condamine street and Burnt Creek deviation

Landscape treatments around the Balgowlah surface works and operational ancillary infrastructure would include (refer to Figure 5-28):

- Screening of motorway facilities using landscape planting What 25 -35 metre high trees
- Landscape planting to assist the integration of the tunnel portals into the surrounding landscape
- Revegetation of minor disturbed area of Burnt Bridge Creek with an appropriate mix of native vegetation This is major disturbance
- A vegetated screening buffer between residential dwellings along the eastern boundary of the new and improved open space and recreation facilities at Balgowlah.

Balgowlah

The project has identified the potential for residual land at Balgowlah to be re-purposed as new and improved open space and recreation facilities for the community.

A dedicated consultation process jointly led by Transport for NSW and Northern Beaches Council will take place to give the community an opportunity to provide input into the final layout of the new and improved open space and recreation facilities at Balgowlah. This consultation will be separate to the consultation for the environmental impact statement. This process will start after the environmental impact statement public exhibition period and well in advance of construction starting. As part of this consultation process, a community reference group will be established, with representative stakeholder groups and the community, to support Transport for NSW and Northern Beaches Council with the development of this important public space.

The Council does not have a sports Strategy so what is needed is not known. The end result is not available for 5 years so any decision is out of date. What are you going to provide to replace the 46000 rounds of golf

The project would return an area, equivalent to around 90 per cent of the current open space, to the community as new and improved open space and recreation facilities. Residual land, primarily to the east and north of the new access road, would progressively become available through the construction period, which would facilitate re-purposing it to the new open space and recreation facilities. This would allow it to be handed over progressively for use by the community. The new open space and recreation facilities to the west of the proposed access road, between the access road and Burnt Bridge Creek Deviation, would be constructed and handed over to Northern Beaches Council after completion of the project. Construction of the new and improved open space and recreation facilities is discussed further in Chapter 6 (Construction work).

An indicative layout of the new and improved open space and recreation facilities at Balgowlah is provided in Figure 5-28. This layout is subject to consultation, but as shown could include new cricket nets, playgrounds, soccer fields, amenities blocks, a multi-purpose oval, netball/basketball courts, and general public open space areas and pathways. An access road and centrally located car park would also be provided.

The layout is a fiction as it does not even show the \$1 million dollar amenities block recently completed on the existing Balgowlah Oval.



Indicative only – subject to design development

Legend

Tunnels

- Beaches Link driven tunnel
- Surface connection

Surface features

- Surface road
- Bus lane
- Pedestrian / active transport links
- New open space and recreation facilities (subject to further consultation)
- Trough structure

Operational infrastructure

- Ventilation outlet
- Operational facilities and ancillary infrastructure
- Permanent water quality basin

Indicative open space and recreation facilities

- Amenity block
- Cricket nets
- Netball/ Basketball
- Open space
- Playground