

4.0 Portals

4.1 Portal Concept

This section includes the portal face, side walls (dive structures), portal cladding and all associated and visible services and utilities such as barrier systems, detection and security systems, overhead barriers, and cabinets.

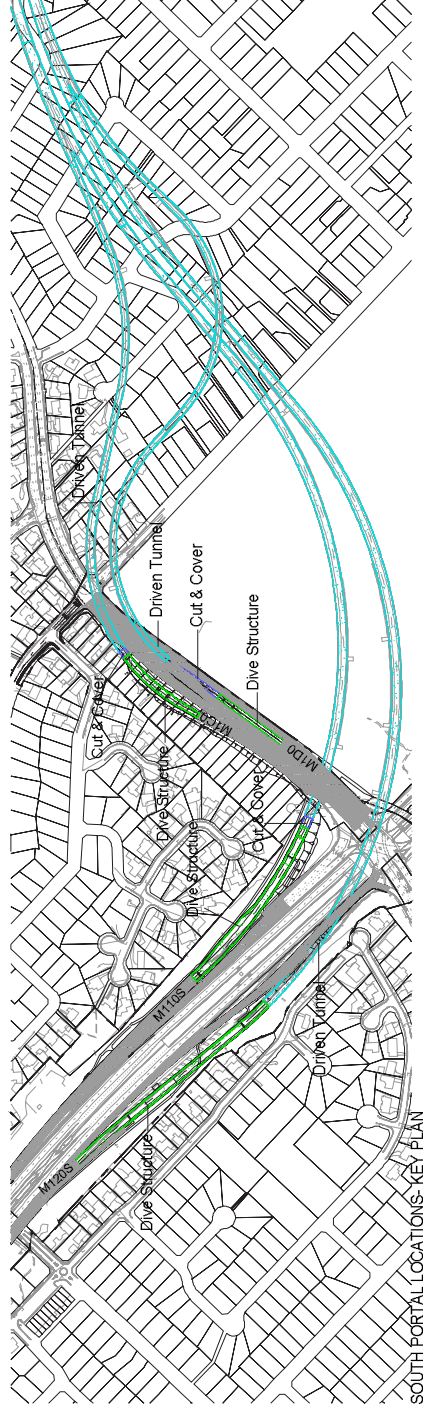
The portals and dive structures are located at:

- Northern interchange, Pacific Highway/Pennant Hills Road; and
- Southern interchange, Pennant Hills Road.

The NorthConnex would have eight portals. Four are located at the northern interchange with the M1 Pacific Motorway and four are located at the southern interchange at the Hills M2 Motorway. As the NorthConnex connects existing motorways, the portal and dive structures are located within constrained environments and generally do not present major faces to people not travelling on the roadway.

The portal concept has been developed in recognition of these conditions.

The portal face includes galvanised mild steel supports to angled throw screens where required. Below this element a sloped metal panel cowl provides light and shadow relief along the portal face and carries the sloped concept into the dive structure. This cowl is illuminated on the lower face, visible to drivers, adding a subtle emphasis to these transition structures. This slope is carried down further to demarcate the change in material from interior tunnel panels to the exterior dive structure ribbed, aluminium sound absorbing panels.



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