

3. Campbell Road pedestrian and cycleway bridge

A dedicated pedestrian and cycle bridge would be constructed between the eastern shores of Alexandra Canal and Campbell Road just east of the site of the proposed City Farm at Sydney Park. The bridge is designed to become a memorable and integral legacy of the project. This bridge would increase connectivity across the regional cycleway network joining Mascot Town Centre, Sydney Park and St Peters. It would contribute significantly to connectivity for pedestrians as well as Sydney's regional cycle network.

At approximately 540m, the bridge would become one of the longest pedestrian bridges in NSW. The design of the bridge would feature a simple and elegant steel box solution. The design of the steel box option also allows for an integrated pedestrian handrail and safety throw screen where required, whilst maintaining the symmetry of the structure and continuous substructure.

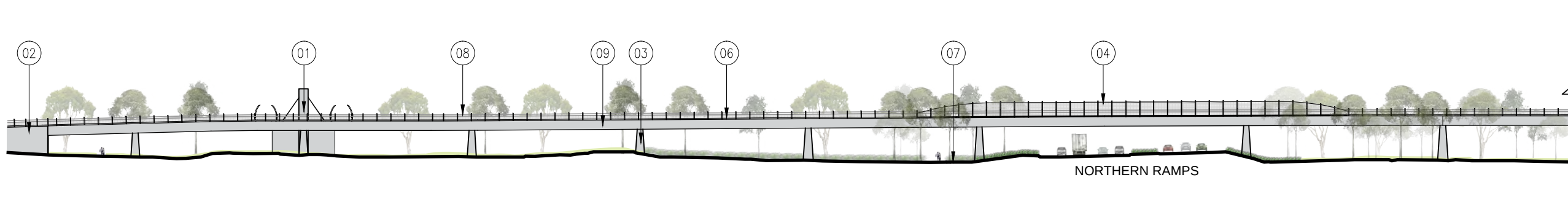
The bridge would feature integrated pedestrian lighting within the anti-throw screen posts where required. Outside anti-throw screen areas an extended curved post would be utilised for an integrated light post, maintaining the visual integrity of the bridge form across the entire structure. Feature up-lighting of the bridge and bridge piers would also be included.



Figure 76 Artist impression of Campbell Road Pedestrian and Cycleway Bridge



01 PEDESTRIAN AND CYCLE BRIDGE OVER NORTHERN RAMPS - PLAN
1:1000



02 PEDESTRIAN AND CYCLE BRIDGE OVER NORTHERN RAMPS - ELEVATION
1:1000

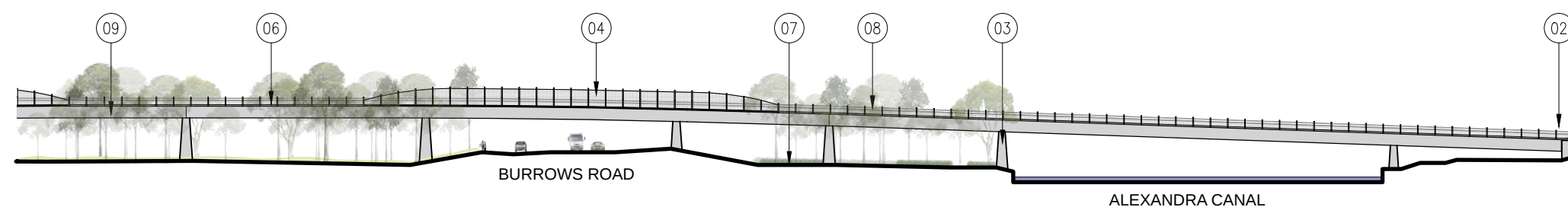
Figure 77 Indicative pedestrian and cycle bridge over northern ramps



LEGEND

- 01 PEDESTRIAN AND CYCLEWAY
BRIDGE OVER CAMPBELL ROAD
- 02 BRIDGE ABUTMENT
- 03 BRIDGE PIER
- 04 ANTI THROW SCREEN
- 05 SHARED PATH
- 06 BRIDGE DECK
- 07 GROUND LEVEL
- 08 PEDESTRIAN AND CYCLIST HANDRAIL
- 09 ALUMINIUM CLADDING
- 10 INTEGRATED PEDESTRIAN LIGHTING

03 PEDESTRIAN AND CYCLE BRIDGE OVER NORTHERN RAMPS - PLAN
1:1000



04 PEDESTRIAN AND CYCLE BRIDGE OVER NORTHERN RAMPS - ELEVATION
1:1000

Figure 78 Indicative pedestrian and cycle bridge over New M5 ramps



Figure 79 Artist impression bridges over Campbell Road - view Northwest

4. Sydney Park pedestrian and cyclist bridge

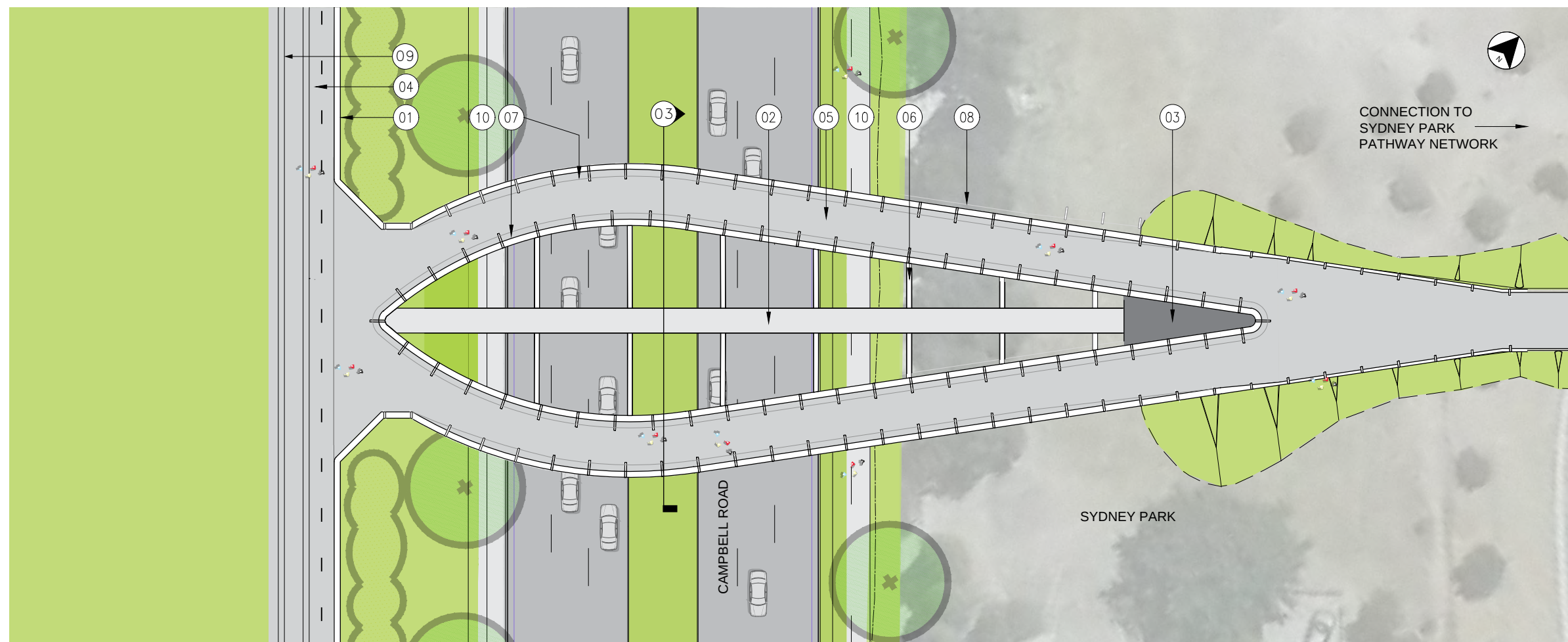
The Sydney Park connection would provide level access between the southern reaches of Sydney Park and the new Campbell Road pedestrian and cycle bridge. The design of the shared path bridge would also feature a simple and elegant steel box solution, with a symmetrical tied steel box arch structure and an approximate 66 metre span. At its highest point, the arch is approximately 13.5 metres above Campbell Road and 6 metres above the separated paths. The superstructure consists of two spines of composite steel box girders, each supporting one 4 metres wide path, with safety throw screens provided to both sides of each separated path.

The bridge features a series of circular arcs including the horizontal separated paths curved alignment and the steel box arch structure complementing the adjacent landscape environment of Sydney Park and the proposed landscape mounding treatments for St Peters interchange.

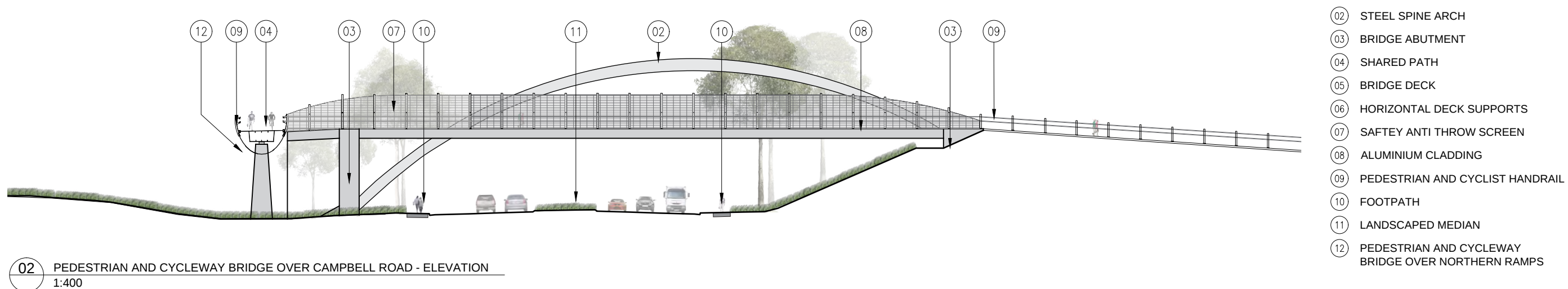
The bridge would also feature integrated pedestrian lighting within the anti-throw screen posts, maintaining the visual integrity of the bridge form across the entire structure.



Figure 80 Artist impression of Sydney Park connecting bridge



01 PEDESTRIAN AND CYCLEWAY BRIDGE OVER CAMPBELL ROAD - PLAN
1:400



02 PEDESTRIAN AND CYCLEWAY BRIDGE OVER CAMPBELL ROAD - ELEVATION
1:400

Figure 81 Indicative pedestrian and cycle bridge over Campbell Road