

Warringah Freeway Upgrade



Location

Multiple locations including North Sydney, Cammeray, Naremburn

Client

CPB Downer JV

Timeframe

2022 – 2027

Scope

- ✓ Geotechnical
- ✓ Environmental
- ✓ Testing

The Warringah Freeway is one of the busiest and most complex road corridors in Australia. This project involves upgrading 4km of Warringah Freeway between North Sydney and Naremburn, upgrading six existing intersections including a new northbound on-ramp at High Street and constructing a new continuous southbound bus lane from Miller Street to the Sydney Harbour Bridge. Alliance have been providing:

- **Piling Supervision:** Piling works are currently underway for the portal structures of the upcoming Western Harbour Tunnel development, various on and off-ramp developments and bridge abutments. Alliance has provided up to four Geotechnical Engineers on-site, every day for the past 6-8 months, each supervising a piling rig across the project.

- **Ground Anchor Inspections:**

Alliance has provided rock face mapping for the bridge abutments and associated rock bolt inspections.

- **Excavation Stability Inspections:**

Visual inspections of exposed embankments and cuts for stability have been carried out by our experienced Geotechnical Engineers. We have provided identification of any potential wedges on rock faces and advice on rock bolting requirements.

- **Earthworks:** Proof roll inspections and foundation inspections completed on the earthworks completed at the site of the previous Cammeray Golf Course for the Western Harbour Tunnel compound development.