

Case Study – Grand Pacific Walk

Project Name: Grand Pacific Walk – Shared Path

Location: Wollongong, New South Wales

Builder: Abergeldie Complex Infrastructure

Locker Webforge Product

- Monowills Link Velocity Balustrade - Full Barrier to loading C3
- Monowills Link Velocity Balustrade - Full Barrier to loading C1

Specifications

- Austroads – Guide to Road Design Part 6A: Paths for Walking & Cycling
- NCC – Anti Climb & Edge Protection

Webforge Locker worked directly with Abergeldie Complex Infrastructure & Wollongong Council to design and supply a Barrier solution for 1640 l/m of walkways running from Coalcliff to Stanwell Park running parallel to the iconic Grand Pacific Drive.

Being a coastal walkway the pathway meandered up and around steep terrain including a 340 metre elevated footbridge. Being a functional bike path, Monowills Link Velocity Balustrade – Full Barrier was chosen as it met the design requirements for shared paths, able to provide the edge protection required, and was capable of achieving both standard C3 loadings along with higher grade C1 loadings where the sheer cliff edges were present.



Case Study – Grand Pacific Walk



Product Optimisation

- Correct barrier type applied to meet specification
- Bespoke baseplate designed & engineered to maximize path width
- Parts optimised for manufacture efficiency, wastage & cost
- Stanchion cadence & CHS wall thickness adapted throughout the pathway to achieve C3 / C1 loadings as needed, based on project fall risk grading
- Removal of unnecessary stanchions / fixing points

