

CSP PACIFIC **The Nu-Guard PVB Story**

CSP PACIFIC **SCRIT Design Brief**

- Proven vehicle retention system
- Handrail for cycle protection
- Balustrade to act as a pedestrian barrier
- Meet the NZ Building Code
- Small footprint
- Ground driven posts
- Transitions to a standard guardrail system & terminal ends
- Post yield allowing to be installed in retaining walls
- Accommodate Horizontal & Vertical Curves

SCRIT
Rebuilding Infrastructure

CSP PACIFIC **Nu-Guard PVB Product Development**

- Nu-Guard 31™ steel Guardrail System
 - Crash tested to MASH TL-3 & NCHRP 350 TL-4
 - Accepted by NZTA
 - Proven performance
- Key factors in developing PVB
 - System developer sign off
 - Handrail to meet horizontal & vertical loads of the NZTA Bridge Manual
 - Meet relevant NZ Building Code Clauses
 - Aesthetically pleasing
 - Easily installed or retrofitted to existing Nu-Guard 31™ installation

CSP PACIFIC **Nu-Guard PVB Review Process**

- Prototype of PVB system built
- System Developer signed off to maximum posted speed limit of 70kph
- SCRIT sign off of the design
- Structural design review
- Producer statement covering:
 - NZ Building Code
 - NZTA Bridge Manual

CSP PACIFIC **Nu-Guard PVB is Launched**