

BRIDGE 9149 BRIDGE MAINTENANCE

LOCATION

Corner of Aberdeen Street & Fitzgerald Street
Northbridge, WA

CLIENT

Advantearing Civil Engineers

PROJECT MANAGER

Graham Murphy

DESCRIPTION

In late 2020 Advantearing Civil Engineers, acting as Head Contractor for Main Roads WA, awarded BUSS the contract to complete bridge maintenance to Pedestrian Bridge 9149 located in Northbridge, WA. The bridge, constructed in 1999, is a 2-span steel box girder structure which carries a pedestrian footbridge over the Graham Farmer Freeway Westbound Offramp.

The BUSS team mobilised to site in January 2021 to complete the following bridge maintenance works:

- Surface preparation, high pressure water cleaning and application of protective coatings to steelwork of bridge piers, bridge deck box section and bridge balustrade;
- Application of Denso wrapping of bridge piers (below ground);
- Installation of edge seal sealant between balustrade and concrete deck;
- Surface preparation and application of anti-graffiti coatings to concrete abutments and wing walls;
- Clear debris and vegetation on approach 2 gutters and under bridge;
- Complete concrete repairs to bridge abutment;
- Installation of sealant in joint cracks between panels and patch repairs to abutment 2 wing walls;
- Installation of waterproofing system to concrete deck;
- Complete crack repairs to surface at approach 1 and 2; and
- Restore line marking on bridge.

POINTS OF INTEREST

- Surface preparation & coating works completed during night shift while freeway was closed; and
- Works successfully completed on budget & to schedule.



Image1: Coating works in progress during nightshift



Image 2: Bridge pier Denso wrapping in progress



Image 3: Prior to works

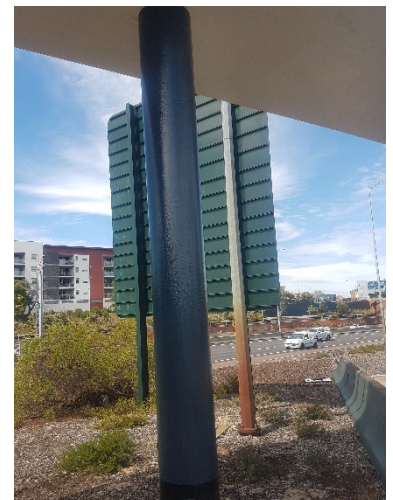


Image 4: Denso wrapping & coatings complete