

## BRIDGE 1137 BRIDGE MAINTENANCE

### LOCATION

Rivervale Wattle Grove Link (over S.G. Railway)  
City of Canning

### CLIENT

Advantearing Civil Engineers

### PROJECT MANAGER

Graham Murphy

### DESCRIPTION

In September 2020 Advantearing Civil Engineers, acting as Head Contractor for Main Roads WA, awarded BUSS the contract to complete bridge maintenance to Bridge 1137 located in the City of Canning.

The bridge is a 3-span, prestressed reinforced concrete flat slab structure, 42.1m in length and carries four lanes of vehicular traffic over the S.G. Railway.

The BUSS team mobilised to site in November 2020 to complete the following bridge maintenance works:

- Protective treatment to steelwork;
- Compression joint seal;
- Waterproofing membrane to expansion joint; and
- Abutment crack injection.

### POINTS OF INTEREST

- As the bridge is extremely busy during the day, the works were completed at night;
- Works were completed safely with an effective traffic management system in place;
- Works were completed using a mobile encapsulation system to prevent any dust escaping; and
- Works were successfully completed on budget & to schedule.



Image 1: Bridge 1137 over S.G. Railway



Image 2: Establishment of work site



Image 3: Set up of mobile encapsulation system