

# **DESIGN & ACCESS STATEMENT DAS rev1**

## **1. Introduction**

This Design & Access Statement accompanies an outline planning application for a replacement single-lane modular bridge at Forge Mews, Bassaleg.

The proposal reuses existing structural supports and maintains pedestrian access and services throughout construction.

## **2. Design Principles**

### **2.1 Use**

The bridge will restore vehicular access to 19 homes and provide a safe pedestrian route.

### **2.2 Amount**

4.0m carriageway

3.0m walkway

No new land required

No new foundations as steel bridge connected to existing beams and diaphragm

### **2.3 Layout**

The bridge follows the existing alignment, supported on the existing West Abutment and East Pier.

### **2.4 Scale**

The modular bridge has a shallower structural depth than the existing deck, increasing freeboard and improving flood resilience.

### **2.5 Appearance**

Appearance is reserved for later approval, but modular steel systems typically present a clean, unobtrusive profile.

## **3. Access**

### **3.1 Vehicular Access**

Restored via a single-lane controlled system.

### **3.2 Pedestrian Access**

Maintained throughout construction using the existing 13.25m deck width.

### **3.3 Service Access**

The existing beams beneath the deck (W1, W2, W5, W6 and C1, C2, C5, C6) are retained as non-load-bearing elements. They support existing utilities and avoid unnecessary demolition, while the modular bridge carries all structural loads independently.

### **3.4 Inclusive Access**

The walkway will be level, continuous, and compliant with accessibility standards.

#### **4. Environmental Considerations**

No works in the river

No change to floodplain

No new foundations

Minimal carbon footprint

No ecological disturbance

#### **5. Conclusion**

The proposal is safe, sustainable, and proportionate. It restores essential access while minimising environmental impact and construction disruption.