

Aylesford Level Crossing URX

Under Road Crossing



THE PROJECT

A new Under Road Crossing (URX) was required to route new DC jumper cables within the 6-FOOT under the Level Crossing at Aylesford Station. Aylesford Station Level Crossing is the only road providing access to the residential and industrial estates to the north of the crossing. Traffic Management including a temporary road bridge was in place through out to provide 24/7 access for businesses, residents, and emergency services while the excavation and construction of the concrete duct block proceeded one carriage way at a time.



Project Started

**Dec
2024**

Project Ended

**May
2025**

Client

**Network
Rail Kent**

THE DELIVERABLES

- Development and implementation of civil engineering designs for Under Road Crossings (URX), including necessary temporary works to facilitate safe and efficient execution.
- Deployment of a high-capacity temporary bridge capable of supporting a 12-tonne axle weight, alongside comprehensive Traffic Management measures to maintain traffic flow and safety.
- Careful extraction and disposal of previously installed asbestos-containing ducts, adhering to strict environmental and health regulations to ensure safety.
- Construction of a robust duct block system to house and protect essential electrical infrastructure.
- Laying and securing new direct current jumper cables to support and enhance electrical connectivity within the network.

CHALLENGES & SOLUTIONS

AMI Projects provided continuous access to a landlocked industrial and housing estate, preventing disruption to local traffic with deployment of a Traffic Management and a temporary road bridge. The team utilised jacks and machine skates to move the temporary road bridge a total of 17 times during a demanding 52-hour Possession, refining the process with a trial run at Sunbelt in Derby.

URX Construction Works were carried out stage by stage to allow us to work on one side of the carriage way whilst keeping the other side open to traffic. Once we completed a pre-determined number of stages, traffic was temporarily held before moving the bridge on to the other carriage way, the traffic management was reconfigured and the road reopened.

