Risk Assessment - Stanway Viaduct Waterproofing

Reference No: CIV-45363-48
Version No: 1
Assessment Approver: Kevin 'Kev' Jarvis

Replacement of existing fill layer on Stanway Viaduct with a 200mm thick, fibre reinforced concrete slab to improve waterproofing

Department: Civil Engineering
Date Of Assessment: 12 March 2024
Review Due Before: 12 March 2027
Lead Assessor: Ian Scholey
Team:

Construction works

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Risk of injury to workforce as a result of works taking place Construction activities	Volunteers, Staff & Contractors	1) CRITICAL - Elimination: Contractor has full H&S procedures and rules in place - Effective 2) CRITICAL - Elimination: Site is a hard hat area and full PPE to be worn - Effective 3) CRITICAL - Elimination: All large machinery (dumpers, excavators, concrete pump) has a banksman - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Environmental	Concrete spillage leading to contamination of adjacent land and/or watercourse	Public	1) CRITICAL - Elimination: Skip installed to collect washout from concrete pump and delivery lorries - Effective 2) CRITICAL - Elimination: Pier manhole drains sealed before concreting to prevent spillage through drain pipes - Effective 3) CRITICAL - Elimination: Concrete pump positioned on prepared compound site to ensure stability - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Operations	Risk of project over-run impacting train services in early 2024	Everyone	1) CRITICAL - Elimination: Negotiated 4 month works programme instead of normal 2 month shutdown - Effective 2) CRITICAL - Elimination: Regularev assessment of programme and completion date by Contractor and GWSR - Effective 3) CRITICAL - Elimination: Focus on concreting activity which is particularly weather sensitive - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Finance	Risk of works costing more than original budget	Volunteers & Staff	1) CRITICAL - Elimination: Fixed price contracts with Designer/Supervisor and Contractor - Effective 2) CRITICAL - Elimination: 25% contingency funding agreed with Trust - Effective 3) CRITICAL - Elimination: All potential variations assessed and approved by Designer/Supervisor and GWSR - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.
Ends