

NR/L2/CIV/003/F001: APPROVAL IN PRINCIPLE				
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GRIP Stage	4	Date	5th February 2021	

Project title	Control Period 6 - Year 3 UB 303/130 Craig Burn			
Project Number	2614			
Location	Between Stromferry and Duncraig Stations			
ELR	KYL	Mileage	056 miles 0693 yards	
Asset Number	UB 303/130	OS grid reference	NG 8222 3325	
RRD Reference Nr.				
DRRD Reference Nr.				
CR-T Reference Nr.	IP-SNE003-001			
Other AiP Documents Associated with this submission				

PART 1: DETAILS

1.1 Proposed Works

The scope of works outlined in the CRT includes;

- *Development of scour protection/repair details for all substructure elements in order to reduce EX2502 scour risk score to 10.0 - it should be noted that as part of implementation works a post works EX2502 assessment will be required to confirm a post works score of 10.0 for all substructure elements.*
- *Solution to include provision for training walls upstream of current footprint.*
- *Detailed schedule of masonry repairs for all substructure elements below 500mm above high tide mark - this should include defects beneath water line. Repairs should be based on Network Rail Standard Details where appropriate.*

The proposed works achieves this by providing a hard invert set below the river bed level in order to maintain the riparian habitat.

A toe beam which captures the upstream wingwalls helping to divert water through the structure and mitigating the potential for scour below the wingwall foundations. This toe beam will continue through the structure and will cover approximately the first third of the downstream wingwalls.

Rock armour stone will be placed at both the inlet and outlet to help protect the ends of the wingwalls.

Masonry repairs between the top of the concrete toe beam and 500mm above the highest tide level.

1.1.1 Existing Layout

UB 303/130 is a single span masonry arch bridge crossing the Craig Burn and tidal lagoon at Craig Farm, situated between Stromferry Station (low mileage) and Duncraig Station (high mileage). The structure carries the bi-directional, non-electrified line with a maximum speed of 30mph.