

B741/40 Muck Bridge Replacement

Client:	East Ayrshire Council
Form of Contract:	ICE 7th Conditions of Contract
Duration:	Nov 2011 to Nov 2012
NRS Role:	Principal Contractor



Main Description

Project Description:

This project involved the replacement of a steel bridge with an in-situ box culvert.

The works involved:

- Design and Construction of Temporary Road and temporary bridge to accommodate traffic during demolition and re-construction of Muck Bridge
- Diversion of Watercourse to facilitate the works, with reinstatement of river to existing channel upon completion
- Deep Soil Mixing Ground Improvement for foundation to new structure/carrigeway
- Construction of new reinforced concrete box culvert bridge structure and associated wing walls
- 150m of new carrigeway construction, 6.8m wide, on bridge approaches and over new deck, including associated carrigeway drainage, kerbing, footpath and installation of service ducts in verges.
- Construction of Random Rubble Masonry parapets, road restraint system (70 linear metres)
- All associated fencing, barrier, signing, and lining works.

Works took place adjacent to a site of specific scientific interest (as defined by Scottish Natural Heritage). The works area was also prone to flooding and additional protection measures were required on site to enable works to progress.

